

Hangar 1 Data Summary Submittal

Low Occupancy Area of Zone 2

Former Naval Air Station Moffett Field, California

prepared on behalf of
Planetary Ventures, LLC

prepared by
Rincon Consultants, Inc.

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Acronyms and Abbreviations

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

Executive Summary

Rincon Consultants, Inc. (Rincon) has prepared this Data Summary Submittal (DSS) on behalf of Planetary Ventures, LLC (PV) for the sampling and analytical activities associated with abatement activities within the low occupancy area of Zone 2 of Hangar 1 (Figure 1), located at the Former Naval Air Station Moffett Field, California. This work was conducted pursuant to the Agency-approved Final Hangar 1 Non-Time-Critical Removal Action (NTCRA) Work Plan. This DSS has been prepared to document achievement of the Cleanup Goals for the structural steel within the low occupancy area of Zone 2 of Hangar 1.

The National Association of Corrosion Engineers (NACE) inspections indicated that the lead and polychlorinated biphenyl (PCB) impacted paint was successfully removed and the surface cleanliness goal has been met, as shown in Attachment 1, and the Data Usability Assessment (DUA) indicates that the collected confirmation wipe sampling data are suitable for comparison against the numerical Cleanup Goals. The 95-percent upper confidence limit (UCL) for the mean lead confirmation in the 62 confirmation wipe samples collected from within the low occupancy area of Zone 2 was approximately 190 micrograms per square feet ($\mu g/ft^2$), which is below the numerical Cleanup Goal for lead (i.e., 250 $\mu g/ft^2$). The 95-percent UCL for the mean PCB concentration in the confirmation wipe samples was not calculated because PCBs were not detected above the highest reported laboratory quantitation limit of 1 microgram per 100 square centimeters (i.e., 1 $\mu g/100\ cm^2$) in any of the confirmation samples collected from within the low occupancy area of Zone 2.

Based on the NACE inspections and the lead and PCB confirmation wipe sampling results, the low occupancy area of Zone 2 is suitable for unrestricted use. Based on the findings presented herein, PV requests that the United States Environmental Protection Agency (U.S. EPA) and San Francisco Regional Water Quality Control Board (Water Board) provide concurrence that no further abatement is required for the low occupancy area of Zone 2.

1 Introduction

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

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

This DSS has been prepared to document achievement of the Cleanup Goals for the structural steel within the low occupancy area of Zone 2 of Hangar 1 and includes:

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

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

[1] The low occupancy area of Zone 2 includes the entirety of Enclosure B/C, as well as the area above the arch pin (i.e., 55-feet above the hangar floor) in Enclosures A and D.

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

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

2 Attainment of Cleanup Goals

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

Substrate	Chemicals	Elements	Cleanup Goals
Non-Porous Surfaces	• Lead • PCBs	• Visual Inspection by qualified NACE/SSPC surface coating inspector	• No visible paint remains • Achievement of NACE 3/SSPC SP-6 surface preparation and visible cleanliness standard
		• Collection and analysis of wipe confirmation samples	• Lead: <250 micrograms per square foot (µg/ft^2) • PCBs: ≤10 micrograms per 100 square centimeters (µg/100 cm^2)

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

The visual inspection (Section 2.1) and confirmation wipe sampling (Section 2.2) results indicate that the Cleanup Goals have been met and no additional abatement is necessary within the low occupancy area of Zone 2.

2.1 Visual Inspections

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

Within the low occupancy area of Zone 2, the qualified NACE inspector confirmed that all visible paint had been removed from the abated surfaces and that the abated surfaces achieved a NACE #3/SSPC SP-6 surface cleanliness standard or better. The NACE inspection reports are included in Attachment 1.[5]

[4] Abatement in Zone 2 was completed on November 14, 2022.

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

2.2 Confirmation Sampling Results

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

2.2.1 Initial Abatement and Sampling Efforts

A total of 148 confirmation wipe samples[6] were collected from the low occupancy area of Zone 2, including QC samples (i.e., media blank samples and field duplicate samples). Of the 148 confirmation wipe samples and associated QC samples, seventy-four (74) were lead wipe samples and 74 were PCB wipe samples, including:

- Sixty-two (62) lead confirmation wipe samples and 62 PCB confirmation wipe samples;
- Four lead media blank samples and four PCB media blank samples; and,
- Eight lead duplicate confirmation wipe samples and eight PCB duplicate confirmation wipe samples.

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

2.2.2 Re-Abatement and Re-Sampling Efforts

Due to high lead concentrations in the original confirmation wipe samples collected from some areas within the low occupancy area of Zone 2, three areas were re-abated, re-cleaned, and re-sampled. Specific details regarding these locations are presented in Table 1. As PCBs were not detected in any of the confirmation wipe samples, re-abatement due to elevated PCB concentrations was not necessary.

Table 1 Lead Wipe Re-Abatement Summary

Initial Sample ID	Initial Lead Concentration (µg/ft²)	Lead Concentration After Re-Abatement (µg/ft²)
ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221007-LA	400	24
ARCH-C2E-DG-3 TO 3.5-221007-FB	360	9.6
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-LA	420	11
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-DUP-LA	280	14

Within Zone 2 Enclosure B/C, lead was detected above the Cleanup Goal in 19 samples.[7] Although the reported concentrations were not greater than 5-times the Cleanup Goal for lead, and less than 10-percent of the analytical results within the low occupancy area were greater than 3-times the Cleanup Goal, Certified Coatings Company (CCC) and McCarthy opted to re-abate at three locations. The approximately 2,000 square foot areas represented by each of these sample locations (for a total of approximately 6,000 square feet) were re-abated, re-cleaned, and re-sampled, which resulted in the collection of three additional lead samples and one additional duplicate lead sample. As seen in Table 1, the lead concentrations in the confirmation wipe samples collected following re-abatement were all below the Cleanup Goal.

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

[7] The confirmation wipe samples which exceeded the Cleanup Goal for lead in Enclosure B/C were collected on October 7, 2022.

2.2.3 Evaluation of the Confirmation Wipe Sampling Data

Once re-abatement, re-cleaning, and re-sampling activities were completed, a total of 16 of the lead confirmation wipe samples collected, or 25-percent, exceeded the Cleanup Goal of <250 µg/ft^2; however, none of these samples exceeded 3 or 5-times the Cleanup Goal.

All PCB confirmation wipe sample results were below 1.0 µg/100 cm^2, the highest of the reported laboratory quantitation limits (QL); therefore, none of the PCB sample results exceeded the Cleanup Goals for the low occupancy area of ≤100 µg/100 cm^2.

Rincon calculated the 95-percent UCL for the mean lead concentration in the confirmation wipe samples using Version 5.2 of the ProUCL program (U.S. EPA, 2022). The 95-percent UCL of the mean lead concentration was calculated using all lead confirmation wipe samples; the results for the media blank samples, the lower of the duplicate sampling results, and the original results from locations that were re-abated and re-sampled were not included in the calculation of the 95-percent UCL. The 95-percent UCL input and output files are included in Attachment 4. As shown in Table 2, the 95-percent UCL of the mean lead concentration (i.e., 190 µg/ft^2) in the confirmation wipe samples is below the Cleanup Goal. The 95-percent UCL of the mean PCB concentration was not calculated because PCBs were not detected above laboratory QLs in any of the confirmation wipe samples collected.

Table 2 95-Percent UCL for Confirmation Wipe Samples

Analyte	Method	Cleanup Goal	95% UCL
Lead	US EPA Method 3050M/6010B	<250 µg/ft^2	190 µg/ft^2
PCB	US EPA Method 8082	≤100 µg/100 cm^2	--[a]

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

3 Data Usability Assessment

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

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

3.1 Data Verification

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

A field audit, which included a review of the field sampling protocols, was conducted on September 28, 2022. Rincon's field manager observed field personnel conducting field sampling activities to confirm that all activities were conducted in accordance with standard operating procedures (SOPs) developed for field sampling activities associated with the NTCRA.[8] The results of the field audit indicated that the field activities being conducted at Hangar 1, including confirmation wipe sampling activities, were being conducted in accordance with the NTCRA Work Plan as well as the SOPs developed for field activities associated with the NTCRA.

Field QC samples were collected in accordance with the UFP-QAPP. A summary of the total number of samples and field QC samples is provided for lead and PCBs in Table 3 and Table 4, respectively.

Table 3 Lead Wipe Sample Summary

	No. of Lead Confirmation Wipe Samples	No. of Field Duplicates or Frequency	No. of Media Blanks or Frequency
Required frequency per UFP-QAPP Worksheet #20-2	1 sample per every 2,000 ft^2 of abated steel	10%	5%
Anticipated Number of Samples	73 [a]	8 [10%]	4 [5%]
Actual Square Footage within the Low Occupancy Area of Zone 2	113,570 ft^2		
Samples Collected	62	8	4
Actual Frequency	1 sample per 1,800 ft^2 of abated steel	12.9%	6.5%
Re-Abatement Samples Collected	4	1	--

Notes:
[a] Original sample counts outlined in the UFP-QAPP were based on an estimated surface area of 145,000 ft^2 of steel.

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

Table 4 PCB Wipe Sample Summary

	No. of PCB Confirmation Wipe Samples	No. of Field Duplicates or Frequency	No. of Media Blanks or Frequency
Required frequency per UFP-QAPP Worksheet #20-2	1 sample per every 2,000 ft^2 of abated steel	10%	5%
Anticipated Number of Samples	73 [a]	8 [10%]	4 [5%]
Actual Square Footage within the Low Occupancy Area of Zone 2	113,570 ft^2		
Samples Collected	62	8	4
Actual Frequency	1 sample per 1,800 ft^2 of abated steel	12.9%	6.5%

Notes:
[a] Original sample counts outlined in the UFP-QAPP were based on an estimated surface area of 145,000 ft^2 of steel.

As the total square footage of steel in Zone 2 was lower than that estimated in Worksheet #20-2, fewer confirmation wipe samples were collected in the low occupancy area than outlined in Worksheet #20-2 of the UFP-QAPP. The actual confirmation lead and PCB wipe sampling frequency (i.e., one sample per 1,800 square feet [ft^2] of abated steel) was slightly greater than the frequency per the UFP-QAPP (Worksheet #20-2) as were the frequencies of field duplicate and media blank samples for these sample types.

3.2 Data Validation

LDC conducted data validation on the analytical laboratory reports for the confirmation wipe samples collected, which included a review of chain-of-custody forms and laboratory deliverables. Stage 3 validation was conducted on 61 samples and Stage 2A validation was conducted on the remaining 87 samples (Attachment 5).

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

3.3 Data Precision

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

3.3.1 Laboratory Duplicate Samples

A summary of laboratory duplicate samples is presented in Table 5.

Table 5 Laboratory Duplicate Sample Summary

Laboratory QC Sample	No. of Lab QC Samples Analyzed	MPC	No. of Lab QC Samples Exceeding MPC	Percentage of Laboratory QC Samples that Exceeded the MPC
LCS/LCSD - Lead	11	RPD ≤20%	0	0%
LCS/LCSD - PCB	10	RPD ≤20%	0	0%

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

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

3.3.2 Field Duplicate Samples

A summary of the field duplicate samples is provided in Table 6.

Table 6 Field Duplicate Sample Summary

Analyte – Sample Type	No. of Field Duplicate Samples Collected	MPC	No. of Field Duplicate Samples in Exceedance of the MPC	Percentage of Field Duplicate Samples that Exceeded the MPC
Lead – Wipe	8[a]	RPD ≤100%	1	13%
PCB – Wipe	8	RPD ≤100%	--[b]	--[b]

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

The lead field duplicate samples met the MPC outlined in the UFP-QAPP for 7 of the 8 duplicate samples (i.e., 87 percent); the agreement between results of the original sample and the duplicate sample indicate that the cleaning procedures used prior to sampling were implemented consistently throughout the abated area and that the field sampling was conducted in a reproducible manner. While RPD for the field duplicate sample pair (i.e., ARCH-C2W-DG-6 TO 6.5-221101-FB and ARCH-C2W-DG-6 TO 6.5-221101-DUP-FB from SDG# 471964) that exceeded the MPC was 168-percent, to be conservative, the highest of the duplicate sample pair results was used in the calculations of the 95-percent UCL.

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

3.4 Data Accuracy/Bias

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

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

systematic error, with both parameters potentially resulting from analytical error. Data accuracy is evaluated using laboratory QC samples.

3.4.1 Laboratory QC Samples

A summary of the laboratory QC samples is provided in Table 7.

Table 7 Laboratory QC Sample Summary

Laboratory QC Samples	No. of Samples Analyzed	MPC	No. of Samples Outside of the MPC	Percentage of Samples that do not meet MPC
Lead LCS and LCSD	22	%R 80-120%	0	0%
Lead Method Blank Samples	11	<QL	0	0%
PCB LCS and LCSD	20	%R 60-140%	2	10%
PCB Method Blank Samples	10	<QL	0	0%
Notes: %R: Percent Recovery				

All laboratory QC samples for lead confirmation wipe samples met the MPC outlined in the UFP-QAPP.

Two PCB laboratory QC samples (i.e., one LCS/LCSD pair with low percent recovery for Aroclor 1016 and Aroclor 1260) were outside the MPC outlined in the UFP-QAPP. Low recoveries indicate that the reported results may be biased low. Nevertheless, based on the magnitude of the low LCS and LCSD recovery, the fact that PCBs were not reported in any of the samples associated with the LCS/LCSD pair at concentrations above the laboratory reporting limit of 0.5 µg/100 cm^2, and that the laboratory analytical reporting limit is two orders of magnitude lower than the Cleanup Goal for PCBs, it is unlikely that PCB concentrations in any of the samples associated with this LCS/LCSD pair exceeded the numerical Cleanup Goals. Data qualifiers (i.e., "UJ" flags) were applied to all Aroclors in cases where low LCS and LCSD recovery were observed (i.e., all samples from SDG# 473361). "UJ" flags indicate the compound or analyte was analyzed for but not detected and the sample detection limit is an estimated value.

3.4.2 Laboratory Surrogate Spikes

PCB samples are spiked with two surrogates during analysis, tetrachloro-m-xylene (TCMX) and decachlorobiphenyl (DCB). The percent recovery of both surrogates is recorded during analysis and indicates analytical method performance with each sample.

One PCB laboratory method blank sample from SDG# 470460 reported TCMX and DCB surrogate recoveries lower than the laboratory defined limits. Low surrogate recoveries indicate that the analytical results may be biased low. Because PCBs were not reported for the affected method blank sample above the laboratory analytical reporting limit of 0.5 µg/100 cm^2 indicates that the method blank sample results meet the criteria outlined in the UFP-QAPP (i.e., laboratory method blank results should have analytical results less than the laboratory QL).

One PCB confirmation wipe sample (i.e., ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-LA) reported a DCB surrogate recovery lower than the laboratory defined limits. Low surrogate recovery indicates that the analytical results may be biased low. The fact that PCBs were not reported for the affected sample above the laboratory analytical reporting limit of 0.5 µg/100 cm^2 and that the laboratory analytical reporting limit is more than two orders of magnitude lower than the Cleanup Goal for PCBs, it is unlikely that PCB concentrations in the affected sample exceeded the numerical Cleanup Goals. Data qualifiers (i.e., "UJ" flags) were applied to PCB results in the case where the confirmation wipe sample had low surrogate recoveries.

3.4.3 Field QC Samples

A summary of the field media blank samples is provided in Table 8.

Table 8 Field QC Sample Summary

Laboratory QC Samples	No. of Samples Analyzed	MPC	Percentage of Samples that do not meet MPC
Lead Media Blank Samples	4	<QL	25%
PCB Media Blank Samples	4	<QL	0%

Lead was detected above the laboratory QL in one of the four media blank samples collected. As described in the Data Summary Submittal for the High Occupancy Area of Zone 1 (Rincon, 2023), the lead reported in media blank samples is likely a result of low concentrations of lead dust that are known to be in the air following abatement and cleaning activities within the enclosures as opposed to lead contamination in the wipe sampling media.[10] No lead results were less than 5-times the concentration of lead detected in the associated media blank sample, therefore no data qualifiers were added to the lead confirmation wipe sample results. PCBs were not detected above laboratory QLs in any of the media blank samples.

3.5 Summary of Representativeness, Completeness, and Comparability

3.5.1 Representativeness

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

A field audit, which included a review of the field sampling protocols, was conducted on September 28, 2022. Sample collection and analysis was performed in compliance with the field and laboratory SOPs included in the UFP-QAPP for the collection and analysis of lead and PCB confirmation wipe samples. All confirmation wipe samples were analyzed within acceptable sample holding times and all field and laboratory personnel adhered to the appropriate sample handling and storage requirements outlined in the UFP-QAPP. Because the samples were collected in accordance with the procedures outlined in the UFP-QAPP, the samples should be considered representative of the materials that were sampled.

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

3.5.2 Completeness

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

Table 9 Completeness for Confirmation Wipe Samples

Analyte – Sample Type	Total No. of Samples	Usable Results (%)	Unusable Results (%)	% Completeness - MPC
Lead – Wipe	74	100%	0%	>90%
PCB – Wipe	74	100%	0%	>90%

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

As described in Sections 3.4.1, 3.4.2, and 3.4.3 data qualifiers were applied to some of the data. These data qualifiers were determined not to affect the ability to compare confirmation wipe sample data to respective Cleanup Goals.

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

3.5.3 Comparability

Comparability is a qualitative term that expresses the confidence with which a data set can be compared with another. Data is considered comparable if quality assurance (QA)/QC measures, such as sample collection procedures, analytical methods, reporting units, and analytical reporting limits are equivalent for the samples within a data set. Adherence to QA/QC measures assures that samples collected in similar conditions (i.e., the low occupancy area of Zone 2) are comparable. Comparability criteria are met if, based on data validation, the sample collection and analytical procedures are determined to have been followed, or variations in sample collection and analytical procedures were deemed to not have resulted in sample results being rejected.

To ensure comparability of the data generated for the low occupancy area of Zone 2, sample collection and analytical procedures adhered to the requirements outlined in the UFP-QAPP. Based on the field audit conducted on September 28, 2022, as well as regular reviews of field forms and chain-of-custody forms, it was determined that field activities, including confirmation wipe sampling activities, were conducted in accordance with the NTCRA Work Plan as well as SOPs developed for field activities associated with the NTCRA.

As described in the Data Summary Submittal for the High Occupancy Area of Zone 1 (Rincon, 2023), the Project Team noticed that the extraction method that had been used for PCB confirmation and clearance wipe samples collected from Zones 1 and 2 prior to November 16, 2022, was a different method than the extraction methods included in the UFP-QAPP and UFP-QAPP Attachment D-2. The team worked with Enthalpy Analytical, LLC (Enthalpy) to demonstrate that the extraction method used was capable of meeting the Project Cleanup Goals. Rincon prepared the memorandum, *PCB Wipe Extraction Method Used on NTCRA Samples Collected Before November 16, 2022* (PCB Memorandum), dated December 23, 2022, and submitted it to the Agencies. In an email correspondence dated January 24, 2023, the U.S. EPA acknowledged the completion of their review of the PCB Memorandum. As stated

in the email correspondence, the U.S. EPA concurred with the conclusions presented in the PCB Memorandum and has no further questions or concerns regarding PCB wipe extraction methods. The PCB Memorandum and revised UFP-QAPP pages were included as attachments to the Zone 1 High Occupancy Data Summary Submittal (Rincon, 2023).

While the reporting limits for some of lead and PCB confirmation wipe samples collected in the low occupancy area of Zone 2 exceeded the laboratory specific QL outlined in Worksheet #15 of the UFP-QAPP, the discrepancy in the laboratory specific QL was determined to not affect the quality of the data. See Section 3.6 for additional details.

3.6 Sensitivity

A summary of the sensitivity for the confirmation wipe samples is summarized in Table 10.

Table 10 Sensitivity Comparison for Confirmation Wipe Samples

Analyte	Method	Cleanup Goal	Laboratory Specific QL in UFP-QAPP	Maximum QL Reported
Lead	U.S. EPA Method 3050M/6010B	<250 µg/ft^2	0.5 µg/ft^2	0.54 µg/ft^2
PCB	U.S. EPA Method 8082	≤100 µg/100 cm^2	0.5 µg/100 cm^2	1 µg/100 cm^2

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

While the QL achieved for the PCB samples collected on September 15 and 16, 2022 and three of the samples collected on October 8, 2022, exceeded the QLs specified in the UFP-QAPP, Rincon and Enthalpy resolved the issue prior to confirmation sampling in Enclosure D.

4 Clearance Wipe Sampling Results

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

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

Rincon conducted a review of laboratory analytical reports for the clearance wipe samples collected in Zone 2. The data review process included:

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

The tabulated results and final analytical laboratory reports for the clearance wipe samples collected in Zone 2 are presented in Attachment 6. The average lead clearance sampling results for Enclosure A, B/C, and D are 57, 76, and 104 µg/ft^2, respectively. PCBs were not detected above the maximum laboratory QL (i.e., 1.0 µg/100 cm^2) in any of the clearance wipe samples.

Flags were applied to clearance sample results in Attachment 6 based on Rincon's review of the analytical reports. "UJ" flags were applied to results for 25 PCB sample results where low surrogate recoveries were observed. While surrogate recoveries were outside of the acceptable recovery ranges, the recoveries were not within ranges that would warrant rejection.[12] In addition, "b" flags were applied to six lead sample results due to low recoveries for lead in the presence of high concentrations of aluminum in the interference check standards; however, these recoveries did not have any impact on data quality.[13]

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

In accordance with Worksheet #17 of the UFP-QAPP, the average concentration of lead and PCBs in the clearance samples were compared with the Clearance Goals. As the averages of the clearance sampling results for the cleaned scaffolding, structural steel, and enclosure materials were below the Clearance Goals of <250 µg/ft^2 for lead and ≤10 µg/100 cm^2 for PCBs, these materials were adequately

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

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

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



decontaminated, and no additional decontamination was required for the three enclosures within Zone 2.

5 Conclusions

Based on the NACE inspections and the DUA, the lead and PCB confirmation wipe sampling results are suitable for comparison against their respective Cleanup Goals. The 95-percent UCL for the mean lead concentration in the confirmation wipe samples collected within the low occupancy area of Zone 2 was approximately 190 µg/ft^2, which is below the Cleanup Goal for lead (i.e., 250 µg/ft^2). The 95-percent UCL for the mean PCB concentration in the confirmation wipe samples was not calculated because PCBs were not detected above the highest reported laboratory quantitation limit of 1 µg/100 cm^2 in any of the confirmation samples collected from within the low occupancy area of Zone 2.

Given that the 95-percent UCL for lead confirmation wipes is below the Cleanup Goal for lead and that no PCBs were detected above the highest laboratory reporting limit, the low occupancy area of Zone 2 is suitable for unrestricted use. PV requests that the U.S. EPA and Water Board provide concurrence that no further abatement is required for the low occupancy area of Zone 2.

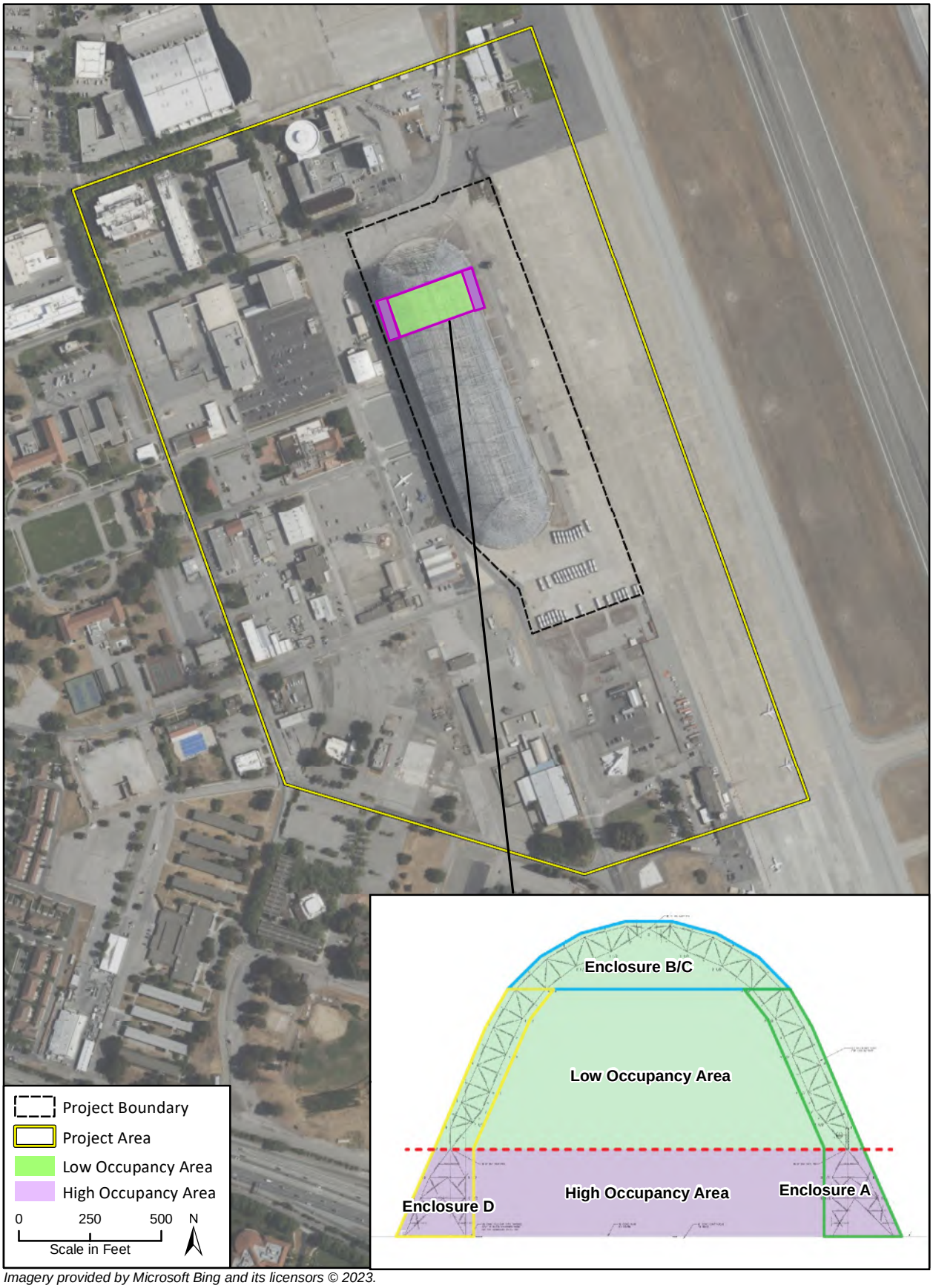
6 References

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

Rincon Consultants, Inc. (Rincon). 2023. *Hangar 1 Data Summary Submittal, High Occupancy Area of Zone 1, Former Naval Air Station Moffett Field, California.* March 2023.

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

Figures



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Plan Map and Cross Section of Zone 2

Figure 1

Attachment 1

NACE Inspection Forms

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

Client Representative: McCARTHY
Certified Supervisor: CHRISTIAN PARRA
Work Location: MOFFET FIELD,CA.94305
Owner: GOOGLE
Task: ABRASIVE BLASTING IN ZONE 2 AREA A

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

Environmental Conditions:

	5:24 AM	9:24 AM	1:24 PM	5:24 PM					Specified Conditions
Time									
Dry Bulb	63.3 °F	77.8 °F	91.1 °F	79.5 °F					40-120 F
Wet Bulb	58.3 °F	66.5 °F	72.4 °F	65.8 °F					
Depression	5.0 °F	11.3 °F	18.7 °F	13.7 °F					
Relative Humidity	73.9%	54.1%	38.1%	45.9%					85%
Dew Point	54.9 °F	59.9 °F	62.0 °F	56.8 °F					
Steel temp	62.4 °F	77.1 °F	91.3 °F	79.1 °F					40-120 F
Difference	7.5 °F	17.2 °F	29.3 °F	22.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

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

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

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

PRESS-O-FILM™ Made in U.S.A.
sample 8-29-22 3.4
reading 3.4
gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

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

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

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

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

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

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

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

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-STARTED
ABRASIVE BLASTING IN ZONE 2 AREA A AT LEVEL 21
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/29/22
QC Supervisor Signature: _____ Date: 8/29/22

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Tuesday, August 30, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 AREA A		MOFFET FIELD,CA. 94305

Environmental Conditions:

	6:48 AM	10:48 AM	2:48 PM	6:48 PM					Specified Conditions
Time									
Dry Bulb	64.8 °F	77.4 °F	82.9 °F	77.1 °F					40-120 F
Wet Bulb	59.7 °F	65.5 °F	67.6 °F	65.5 °F					
Depression	5.1 °F	11.9 °F	15.3 °F	11.6 °F					
Relative Humidity	74.1%	51.5%	42.8%	52.4%					85%
Dew Point	56.3 °F	58.1 °F	57.9 °F	58.3 °F					
Steel temp	63.6 °F	77.1 °F	83.0 °F	76.5 °F					40-120 F
Difference	7.3 °F	19.0 °F	25.0 °F	18.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

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

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

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

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

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 2 AREA FROM GROUND LEVEL TO LEVEL 21.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/30/22
QC Supervisor Signature: _____ Date: 9/1/22

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, August 31, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 AREA A		MOFFET FIELD,CA. 94305

Environmental Conditions:

	6:48 AM	10:48 AM	2:48 PM	6:48 PM					Specified Conditions
Time									
Dry Bulb	63.2 °F	71.3 °F	80.4 °F	77.0 °F					40-120 F
Wet Bulb	58.7 °F	62.4 °F	66.0 °F	64.7 °F					
Depression	4.5 °F	8.9 °F	14.4 °F	12.3 °F					
Relative Humidity	76.8%	59.9%	44.1%	49.5%					85%
Dew Point	55.8 °F	56.6 °F	56.5 °F	56.7 °F					
Steel temp	62.2 °F	70.6 °F	80.0 °F	76.7 °F					40-120 F
Difference	6.4 °F	14.0 °F	23.5 °F	20.0 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

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

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

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.7 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 9.6.22 reading 3.7 gage less 2.0 mils or 50 µm

PRIMER

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

INTERMEDIATE ☐ **FINISH** ☐

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

Notes: PERFORMED A BLOTTER TEST ON 3 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 2 AREA A LEVELS 2,5,9,12,13,21.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 08/31/22
QC Supervisor Signature: _____ Date: 9/6/22

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Tuesday, September 6, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 AREA A		MOFFET FIELD,CA. 94305

Environmental Conditions:

	6:48 AM	10:48 AM	2:48 PM	6:48 PM					Specified Conditions
Time									
Dry Bulb	78.4 °F	94.2 °F	104.8 °F	98.0 °F					40-120 F
Wet Bulb	65.2 °F	73.2 °F	76.4 °F	74.5 °F					
Depression	13.2 °F	21.0 °F	28.4 °F	23.5 °F					
Relative Humidity	47.0%	33.8%	22.6%	29.8%					85%
Dew Point	56.5 °F	61.4 °F	59.1 °F	61.1 °F					
Steel temp	78.1 °F	94.8 °F	105.7 °F	98.7 °F					40-120 F
Difference	21.6 °F	33.5 °F	46.6 °F	37.6 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

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

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

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

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST ON 5 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 2 AREA A LEVELS 2,4,5,12,18,21.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 09/06/22
QC Supervisor Signature: _____ Date: 9/8/22

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, September 7, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 AREA A		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:21 AM	9:21 AM	1:21 PM	5:21 PM					Specified Conditions
Time									
Dry Bulb	75.6 °F	79.6 °F	92.1 °F	91.5 °F					40-120 F
Wet Bulb	65.2 °F	69.2 °F	72.3 °F	71.6 °F					
Depression	10.4 °F	10.4 °F	19.8 °F	19.9 °F					
Relative Humidity	56.0%	58.5%	35.4%	34.8%					85%
Dew Point	58.8 °F	63.8 °F	60.8 °F	59.8 °F					
Steel temp	75.3 °F	79.4 °F	92.5 °F	91.9 °F					40-120 F
Difference	16.5 °F	15.7 °F	31.7 °F	32.1 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

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

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

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 9-8-22
reading 3.4
gage less 2.0 mils or 50 µm

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST ON 5 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 2 A LEVELS 1,2,3,4,8,11 and 20.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 09/07/22
QC Supervisor Signature: _____ Date: 9/8/22

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Thursday, September 8, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 AREA A		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:21 AM	9:21 AM	1:21 PM	5:21 PM					Specified Conditions
Time									
Dry Bulb	74.5 °F	81.2 °F	95.8 °F	96.4 °F					40-120 F
Wet Bulb	64.8 °F	70.0 °F	72.2 °F	72.0 °F					
Depression	9.7 °F	11.2 °F	23.6 °F	24.4 °F					
Relative Humidity	58.4%	56.2%	27.4%	25.5%					85%
Dew Point	58.9 °F	64.2 °F	56.9 °F	55.3 °F					
Steel temp	74.0 °F	80.8 °F	96.4 °F	97.0 °F					40-120 F
Difference	15.0 °F	16.7 °F	39.5 °F	41.6 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

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

SURFACE PREPARATION

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

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

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

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



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST ON 5 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 2 A LEVELS 1,3,7,8,11,14,15,19.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 09/08/22
QC Supervisor Signature: _____ Date: 9/9/22

Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Friday, September 9, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 AREA A		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:21 AM	9:21 AM	1:21 PM	5:21 PM					Specified Conditions
Time									
Dry Bulb	73.5 °F	75.5 °F	88.9 °F	86.0 °F					40-120 F
Wet Bulb	63.1 °F	65.9 °F	70.7 °F	68.9 °F					
Depression	10.4 °F	9.6 °F	18.2 °F	17.1 °F					
Relative Humidity	55.0%	59.2%	37.9%	39.0%					85%
Dew Point	56.3 °F	60.2 °F	60.0 °F	58.2 °F					
Steel temp	73.0 °F	75.1 °F	89.4 °F	86.1 °F					40-120 F
Difference	16.7 °F	14.9 °F	29.4 °F	27.9 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

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

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

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

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

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

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

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST ON 5 AIR HOLDING TANKS ACCORDING TO ASTM D4285-CONTINUE
ABRASIVE BLASTING IN ZONE 2 A LEVELS 0,1,3,6,7,10,11,14,18,19.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 09/09/22
QC Supervisor Signature: _____ Date: 9/9/22

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

Client Representative:	McCarthy	Project:	HANGAR 1
Certified Supervisor:	Christian Parra	Inspector:	Ray Blackburn
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Monday, September 26, 2022
Owner:	Google	Address:	FORMER NAVAL AIR STATION
Task:	Sand blast Zone 2B & 2C		MOFFET FIELD,CA. 94305

Environmental Conditions:

	941am	1241pm	341pm						Specified Conditions
Time									
Dry Bulb	69.1 °F	73.3 °F	76.2 °F						35-120 F
Wet Bulb	61.2 °F	64.0 °F	65.5 °F						
Depression	7.9 °F	9.3 °F	10.7 °F						
Relative Humidity	62.9%	59.2%	56.0%						85%
Dew Point	55.9 °F	58.2 °F	59.4 °F						
Steel temp	68.7 °F	72.9 °F	75.7 °F						35-250 F
Difference	12.8 °F	14.7 °F	16.3 °F						+5 F
Conditions	acceptable	acceptable	acceptable						

Environmental Controls? All temps were taken inside containment. Dust collection is monitored by a Manometer.
Work area illumination value: 20 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. Elcometer Model No. G319—T Serial No. RL09165

SURFACE PREPARATION

☐ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

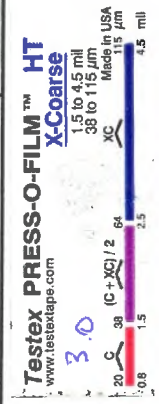
Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]

Specified Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☑]	SP 7 [☐]	SP 10 [☐]	SP 11 [☐]	ATTACH PICTURE OF TEXTEX TAPE OR GAUGE
Actual Cleaning:	SP 1 [☐]	SP 2 [☐]	SP 3 [☐]	SP 5 [☐]	SP 6 [☐]	SP 7 [☐]	SP 10 [☑]	SP 11 [☐]	

Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type Garnet Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☐] NO [☑]
Profile specified: 2 mils Actual Profile: 3.15 mils

PRIMER

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



INTERMEDIATE ☑ **FINISH** ☐

Satisfactory Intercoat-cleaning Completed: YES [☑] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☑] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Paint mixed per manufacturer's instructions: YES [☑] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. 40°F Max. Storage Temp. 100°F Actual Storage Temperature



Notes: Sand blast (lead abatement) Zone 2, Area B & C on levels 27-22.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Ray Blackburn Date: 09/26/22
QC Supervisor Signature: [signature] Date: 9/28/22
Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCarthy	Project:	HANGAR 1
Certified Supervisor:	Christian Parra	Inspector:	Ray Blackburn
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Tuesday, September 27, 2022
Owner:	Google	Address:	FORMER NAVAL AIR STATION
Task:	Sand blast Zone 2B & 2C		MOFFET FIELD,CA. 94305

Environmental Conditions:

	625am	1025am	225pm	425pm					Specified Conditions
Time									
Dry Bulb	66.7 °F	67.2 °F	71.9 °F	74.1 °F					35-120 F
Wet Bulb	57.9 °F	59.5 °F	62.6 °F	63.9 °F					
Depression	7.9 °F	9.3 °F	10.7 °F	10.2 °F					
Relative Humidity	57.1%	62.5%	58.4%	56.0%					85%
Dew Point	51.1 °F	54.0 °F	56.5 °F	57.4 °F					
Steel temp	66.2 °F	66.5 °F	71.2 °F	73.5 °F					35-250 F
Difference	15.1 °F	12.6 °F	14.7 °F	16.1 °F					+5 F
Conditions	acceptable	acceptable	acceptable	acceptable					

Environmental Controls? All temps were taken inside containment. Dust collector ventilation is monitored by a Manometer.
Work area illumination value: 20 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. Elcometer Model No. G319---T Serial No. RL09165

SURFACE PREPARATION

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

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

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

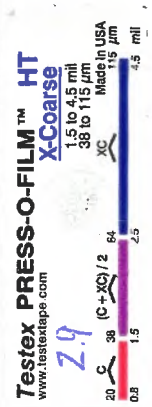
ATTACH PICTURE OF TEXTEX TAPE OR GAUGE



PRIMER

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

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



INTERMEDIATE ☑ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☑] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☑] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Paint mixed per manufacturer's instructions: YES [☑] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____

Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. 40 F Max. Storage Temp. 100 F Actual Storage Temperature

Notes: Sand blast (lead abatement) Zone 2, Area B & C on levels 27-22.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 09/27/22
QC Supervisor Signature: _____ Date: 9/28/22

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

Client Representative:	McCarthy	Project:	HANGAR 1
Certified Supervisor:	Christian Parra	Inspector:	Ray Blackburn
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, September 28, 2022
Owner:	Google	Address:	FORMER NAVAL AIR STATION
Task:	Sand blast Zone 2B & 2C		MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	626am	926am	1226pm	226pm	426pm				
Dry Bulb	65.5 °F	68.5 °F	74.5 °F	78.0 °F	79.1 °F				35-120 F
Wet Bulb	58.5 °F	61.4 °F	64.2 °F	66.4 °F	67.4 °F				
Depression	7.0 °F	7.1 °F	10.3 °F	11.6 °F	11.7 °F				
Relative Humidity	65.2%	66.4%	55.6%	53.2%	53.3%				85%
Dew Point	53.5 °F	56.8 °F	57.6 °F	59.5 °F	60.6 °F				
Steel temp	64.8 °F	68.2 °F	74.2 °F	77.7 °F	78.6 °F				35-250 F
Difference	11.3 °F	11.4 °F	16.6 °F	18.2 °F	18.0 °F				+5 F
Conditions	acceptable	acceptable	acceptable	acceptable	acceptable				

Environmental Controls? All temps were taken inside containment. Dust collector ventilation is monitored by a Manometer.
Work area illumination value: 20 - 50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. Elcometer Model No. G319---T Serial No. RL09165

SURFACE PREPARATION

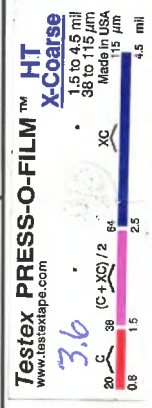
☐ **STEEL** ☐ **CONCRETE** ☑ **WOOD** ☐ **OTHER**

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

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

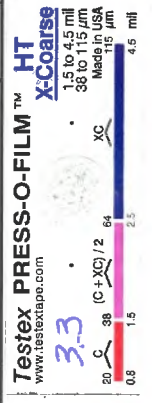
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type Garnet Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☐] NO [☑]
Profile specified: 2 mils Actual Profile: 3.45 mils

OF TEXTEX TAPE OR GAUGE



PRIMER

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



INTERMEDIATE ☑ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES [☑] NO [☐]
Soluble Salt Test Performed: YES [☐] NO [☑] Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Paint mixed per manufacturer's instructions: YES [☑] NO [☐]
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ Typical Wet Film Readings: _____ mils
Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____
Min. Storage Temp. 40 F Max. Storage Temp. 100 F Actual Storage Temperature

Notes: Sand blast (lead abatement) Zone 2, Area B & C on levels 27-22.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 09/28/22
QC Supervisor Signature: _____ Date: 9/28/22

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Thursday, September 29, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 B AND C		MOFFET FIELD,CA. 94305

Environmental Conditions:

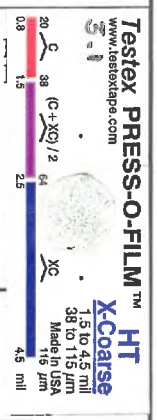
									Specified Conditions
Time	5:28 AM	9:28 AM	1:28 PM	5:28 PM					
Dry Bulb	66.4 °F	65.7 °F	76.8 °F	80.2 °F					40-120 F
Wet Bulb	59.2 °F	60.5 °F	65.2 °F	67.3 °F					
Depression	7.2 °F	5.2 °F	11.6 °F	12.9 °F					
Relative Humidity	64.8%	73.9%	52.1%	49.5%					85%
Dew Point	54.2 °F	57.1 °F	57.9 °F	59.6 °F					
Steel temp	61.6 °F	64.8 °F	76.9 °F	80.2 °F					40-120 F
Difference	7.4 °F	7.6 °F	19.0 °F	20.7 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

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

SURFACE PREPARATION

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

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



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: INSPECTED ZONE 2 B&C FOR BLASTED PERCENTAGES,PERFORMED A PROFILE AND BLOTTER TEST,
CONTINUE ABRASIVE BLASTING IN 2B LEVEL23 AND 26 AND 2C ON LEVELS 24 AND 26.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 09/29/22
QC Supervisor Signature: _____ Date: 10/1/22

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Friday, September 30, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 B AND C		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:28 AM	9:28 AM	1:28 PM	5:28 PM					Specified Conditions
Time									
Dry Bulb	62.4 °F	66.4 °F	81.1 °F	84.8 °F					40-120 F
Wet Bulb	57.3 °F	59.5 °F	67.1 °F	68.7 °F					
Depression	5.1 °F	6.9 °F	14.0 °F	16.1 °F					
Relative Humidity	72.9%	66.1%	45.9%	41.6%					85%
Dew Point	53.6 °F	54.7 °F	58.3 °F	58.9 °F					
Steel temp	61.0 °F	65.5 °F	81.2 °F	85.1 °F					40-120 F
Difference	7.4 °F	10.8 °F	22.9 °F	26.2 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

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

SURFACE PREPARATION

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

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

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

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

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

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: INSPECTED ZONE 2 B&C FOR BLASTED PERCENTAGES,PERFORMED A PROFILE AND BLOTTER TEST,
CONTINUE ABRASIVE BLASTING IN 2B LEVELS 22,25 AND 26 AND 2C ON LEVELS 23,24 AND 26.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 09/30/22
QC Supervisor Signature: _____ Date: 10/1/22

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Monday, October 3, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 B AND C		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:28 AM	9:28 AM	1:28 PM	5:28 PM					Specified Conditions
Time									
Dry Bulb	76.6 °F	79.6 °F	78.7 °F	72.1 °F					40-120 F
Wet Bulb	73.6 °F	74.4 °F	71.3 °F	65.0 °F					
Depression	3.0 °F	5.2 °F	7.4 °F	7.1 °F					
Relative Humidity	86.8%	78.3%	69.6%	68.1%					85%
Dew Point	72.4 °F	72.2 °F	67.9 °F	61.0 °F					
Steel temp	77.3 °F	79.8 °F	78.7 °F	71.4 °F					40-120 F
Difference	4.9 °F	7.6 °F	10.8 °F	10.4 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

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

SURFACE PREPARATION

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

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

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

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

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 10/4/22
reading 3.5
gage less 2.0 mils or 50 µm

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST,CONTINUE ABRASIVE BLASTING IN ZONE 2B LEVEL 25 AND ZONE 2C LEVELS 22,23 AND 24.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 10/03/22
QC Supervisor Signature: _____ Date: 10/7/22

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Tuesday, October 4, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 B AND C		MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:28 AM	9:28 AM	1:28 PM	5:28 PM					
Dry Bulb	62.7 °F	64.3 °F	63.9 °F	66.5 °F					40-120 F
Wet Bulb	58.6 °F	59.3 °F	58.1 °F	59.1 °F					
Depression	4.1 °F	5.0 °F	5.8 °F	7.4 °F					
Relative Humidity	78.1%	74.3%	70.2%	63.5%					85%
Dew Point	55.0 °F	55.9 °F	54.0 °F	53.7 °F					
Steel temp	61.8 °F	63.4 °F	63.0 °F	64.8 °F					40-120 F
Difference	6.0 °F	7.5 °F	9.0 °F	11.0 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

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

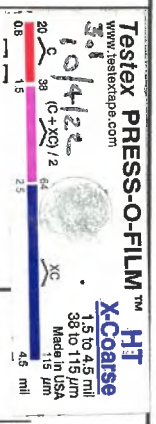
SURFACE PREPARATION

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

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

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

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



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST,CONTINUE AND FINISH ABRASIVE IN ZONE 2 AREAS B AND C FROM LEVELS 22 TO 27.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 10/04/22
QC Supervisor Signature: _____ Date: 10/7/22

Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD,CALIFORNIA
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Thursday, October 13, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 B AND C		MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:02 AM	9:02 AM	12:02 PM	5:02 PM					
Dry Bulb	59.2 °F	61.8 °F	69.2 °F	69.3 °F					40-120 F
Wet Bulb	55.5 °F	57.1 °F	61.4 °F	62.0 °F					
Depression	3.7 °F	4.7 °F	7.8 °F	7.3 °F					
Relative Humidity	79.1%	74.7%	63.2%	65.6%					85%
Dew Point	52.8 °F	53.7 °F	56.2 °F	57.3 °F					
Steel temp	58.1 °F	61.0 °F	69.5 °F	68.9 °F					40-120 F
Difference	5.3 °F	7.4 °F	13.3 °F	11.6 °F					+5 F
Conditions	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE	ACCEPTABLE					

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

SURFACE PREPARATION

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

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

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

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

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 10-13-22 reading 3.6 gage less 2.0 mils or 50 µm

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST;RE-BLASTED 3 AREAS WHERE WE FAILED THE CLEARANCE WIPE
SAMPLE TEST IN ZONE 2 AREA B LEVELS 22 AND 23.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

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

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, November 2, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 AREA D-		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:01 AM	9:01 AM	1:01 PM	5:01 PM					Specified Conditions
Time									
Dry Bulb	52.7 °F	51.6 °F	56.6 °F	61.7 °F					40-120 F
Wet Bulb	48.2 °F	47.6 °F	50.4 °F	54.5 °F					
Depression	4.5 °F	4.0 °F	6.2 °F	7.2 °F					
Relative Humidity	71.5%	74.0%	63.0%	61.4%					85%
Dew Point	43.7 °F	43.6 °F	44.2 °F	48.3 °F					
Steel temp	51.4 °F	50.2 °F	55.3 °F	60.2 °F					40-120 F
Difference	7.6 °F	6.5 °F	11.1 °F	11.9 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

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

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

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

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

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 11-2-22 reading 3.0 gage less 2.0 mils or 50 µm

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST;STARTED ABRASIVE BLASTING AGAIN IN ZONE 2D LEVELS 18,10,8,6,4,3, AND 2 AFTER WIPE SAMPLING YESTERDAY AND A RAIN OUT. ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 11/02/22
QC Supervisor Signature: _____ Date: 11-5-22

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Thursday, November 3, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 AREA D		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:01 AM	9:01 AM	1:01 PM	5:01 PM					Specified Conditions
Time									
Dry Bulb	52.2 °F	51.7 °F	54.9 °F	62.2 °F					40-120 F
Wet Bulb	46.9 °F	45.6 °F	47.4 °F	52.5 °F					
Depression	5.3 °F	6.1 °F	7.5 °F	9.7 °F					
Relative Humidity	65.6%	60.1%	53.6%	48.2%					85%
Dew Point	41.1 °F	38.3 °F	38.4 °F	42.4 °F					
Steel temp	50.8 °F	50.0 °F	53.3 °F	60.6 °F					40-120 F
Difference	9.7 °F	11.7 °F	14.9 °F	18.3 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

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

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

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

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.8 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 11/4/22 reading 3.8 gage less 2.0 mils or 50 µm

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST;CONTINUE ABRASIVE BLASTING AGAIN IN ZONE 2D LEVELS 18,10,8,6,4,3, 2 AND GROUND LEVEL.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 11/03/22
QC Supervisor Signature: _____ Date: 11-5-22

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Thursday, November 10, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 AREA D		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:21 AM	09;21	1:21 PM	5:21 PM					Specified Conditions
Time									
Dry Bulb	53.2 °F	53.0 °F	65.7 °F	63.2 °F					40-120 F
Wet Bulb	48.7 °F	48.6 °F	56.7 °F	54.6 °F					
Depression	8.5 °F	4.4 °F	9.0 °F	8.6 °F					
Relative Humidity	71.1%	72.4%	55.4%	54.9%					85%
Dew Point	44.1 °F	44.3 °F	49.4 °F	46.8 °F					
Steel temp	51.7 °F	51.7 °F	64.6 °F	62,					40-120 F
Difference	7.6 °F	7,4	15.3 °F	15.8 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

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

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

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

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

Pressure Washing: N/A PSI

Comments: Pre cleaning, solvent clean, as needed.

Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)

Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]

Profile specified: 2 mils Actual Profile: 3.5 mils

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

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST;CONTINUE ABRASIVE BLASTING AGAIN IN ZONE 2D LEVELS 1,2,3,5,7 AND 9
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 11/10/22
QC Supervisor Signature: _____ Date: 11-14-22

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

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Friday, November 11, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 AREA D		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:21 AM	09;21	1:21 PM	5:21 PM					Specified Conditions
Time									
Dry Bulb	53.0 °F	52.4 °F	55.8 °F	61.3 °F					40-120 F
Wet Bulb	47.1 °F	46.9 °F	49.9 °F	53.8 °F					
Depression	5.9 °F	5.5 °F	5.9 °F	7.5 °F					
Relative Humidity	62.6%	64.8%	64.4%	59.2%					85%
Dew Point	40.6 °F	40.9 °F	44.0 °F	47.0 °F					
Steel temp	51.5 °F	51.0 °F	54.7 °F	60.6 °F					40-120 F
Difference	11.0 °F	10.0 °F	10.7 °F	13.6 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

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

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

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

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

PRESS-O-FILM™ Made in U.S.A.
sample 11-10-22 reading 3.6 gage less 2.0 mils or 50 µm
X COARSE Plus (useful range: see data sheet)
TESTEX NEWARK, DE 19715 USA

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORMED A BLOTTER TEST;CONTINUE ABRASIVE BLASTING AGAIN IN ZONE 2D LEVELS 1,2,3,4,5,7,9.

ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: Date: 11/11/22
QC Supervisor Signature: Date: 11-14-22

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Tuesday, November 15, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	SPOT BLASTING/BLOWING DOWN IN ZONE 2 D		MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:21 AM	09;21	1:21 PM	5:21 PM					
Dry Bulb	54.0 °F	56.0 °F	60.2 °F	66.9 °F					40-120 F
Wet Bulb	47.0 °F	47.8 °F	50.0 °F	54.9 °F					
Depression	7.0 °F	8.2 °F	10.2 °F	12.0 °F					
Relative Humidity	55.8%	50.3%	42.4%	40.7%					85%
Dew Point	38.6 °F	37.8 °F	37.3 °F	42,3					
Steel temp	52.5 °F	54.5 °F	58.9 °F	66.1 °F					40-120 F
Difference	13.9 °F	16.7 °F	21.6 °F	23.9 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

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

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

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

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

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 10-13-22 reading 3.2 gage less 2.0 mils or 50 µm

PRIMER

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

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

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

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

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

Notes: INSPECTED BLASTED STEEL AND MARKED MISSED AREAS FOR SPOT BLASTING,SPOT BLASTED THOSE AREAS AND THEN STARTED BLOWING DOWN SPENT GRIT AND DUST AFTER COMPLETION OF BLASTING.
ALL SANDBLASTING AND COATING OPERATIONS WILL BE PERFORMED INSIDE THE CONTAINMENT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 11/15/22
QC Supervisor Signature: _____ Date: 11/15/22

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Wednesday, November 16, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	PERFORMED CONFIRMATION WIPE SAMPLES IN ZONE 2D		MOFFET FIELD,CA. 94305

Environmental Conditions:

									Specified Conditions
Time	5:21 AM	09;21	1:21 PM	5:21 PM					
Dry Bulb	54.9 °F	55.9 °F	62.5 °F	66.6 °F					40-120 F
Wet Bulb	46.4 °F	46.6 °F	50.8 °F	53.1 °F					
Depression	8.5 °F	9.3 °F	11.7 °F	13.5 °F					
Relative Humidity	46.8%	41.5%	36.0%	30.1%					85%
Dew Point	35.0 °F	32.9 °F	35.2 °F	34.4 °F					
Steel temp	53.5 °F	54.5 °F	61.4 °F	66.1 °F					40-120 F
Difference	18.6 °F	21.6 °F	26.2 °F	31.8 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

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

SURFACE PREPARATION

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

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

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

Pressure Washing: N/A PSI
Comments: Pre cleaning, solvent clean, as needed.
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 3.8 mils

PRESS-O-FILM™ Made in U.S.A.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample reading 3.8 mils gage less 2.0 mils or 50 µm

PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: PERFORM A BLOTTER TEST-BLEW DOWN STEEL-STARTED PERFORMING CONFIRMATION WIPE SAMPLES IN ZONE 2 AREA D;SURFACE PREPARATION WAS COMPLETED ON 11/15/22,THIS QC.REPORT WAS BACK DATED TO REFLECT THE SURFACE PREPARATION COMPLETION DATE.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 11/16/22
QC Supervisor Signature: _____ Date: 11-17-22
Form No. QC0005 Revision: 0 Rev. Date 28-Oct-20
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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Attachment 2

Tabulated PCB and Lead Confirmation Wipe Sampling Analytical Results

Validated Confirmation Wipe Sampling Results - Low Occupancy Area within Zone 2

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

			Lead	PCBs								
			Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	Enclosure	µg/ft^2	Concentration - µg/100 cm^2								
Cleanup Goal (Low Occupancy Zone)			<250	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-220915-LA	9/15/2022	A	260	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-220915-LA	9/15/2022	A	130	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-220915-LA	9/15/2022	A	130	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2E-PS-6.5-220915-G	9/15/2022	A	160	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2E-PS-6.5-220915-DUP-G	9/15/2022	A	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2E-EXT-8 TO 9-220915-WF	9/15/2022	A	90	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2E-EXT-7 TO 8-220915-WF [b]	9/15/2022	A	91	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2E-EXT-7 TO 8-220915-DUP-WF	9/15/2022	A	100	--	--	--	--	--	--	--	--	--
ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-LA	9/15/2022	A	190	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-LA	9/15/2022	A	130	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-DUP-LA	9/15/2022	A	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2E-INT-4.5 TO 5.5-220915-WF	9/15/2022	A	230	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2E-INT-4.5 TO 5.5-220915-DUP-WF [b]	9/15/2022	A	170	--	--	--	--	--	--	--	--	--
ARCH-C2E-PS-5.5-220915-G	9/15/2022	A	210	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2E-DG-6 TO 6.5-220915-FB	9/15/2022	A	130	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2E-PS-4.5-220916-G	9/16/2022	A	110	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2E-DG-4 TO 4.5-UP-C2.1-VS-220916-LA	9/16/2022	A	240	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1E-DG-1.5 TO 2-C1.3-DG-221007-LA	10/7/2022	B/C	370	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2E-EXT-1 TO 2-221007-WF	10/7/2022	B/C	250	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2E-DG-2 TO 2.5-DG-221007-FB	10/7/2022	B/C	250	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2E-DG-2 TO 2.5-DG-221007-DUP-FB [b]	10/7/2022	B/C	250	--	--	--	--	--	--	--	--	--
ARCH-C2E-DG-1 TO 1.5-UP-C2.6-HS-221007-LA	10/7/2022	B/C	250	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-LA	10/7/2022	B/C	160	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-DUP-LA	10/7/2022	B/C	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C1E-DG-2.5 TO 3-DN-C1.5-VS-221007-LA	10/7/2022	B/C	180	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C1E-DG-3 TO 3.5-UP-C1.6-HS-221007-LA	10/7/2022	B/C	240	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C1E-DG-3 TO 3.5-DN-C1.6-DG-221007-LA	10/7/2022	B/C	110	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221007-LA [c]	10/7/2022	~~B/C~~	~~400~~	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221014-LA	10/14/2022	B/C	24	--	--	--	--	--	--	--	--	--
ARCH-C2E-DG-2 TO 2.5-221007-FB	10/7/2022	B/C	150	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2E-PS-2.5-221007-G	10/7/2022	B/C	230	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2E-DG-3 TO 3.5-221007-FB [c]	10/7/2022	~~B/C~~	~~360~~	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2E-DG-3 TO 3.5-221014-FB	10/14/2022	B/C	9.6	--	--	--	--	--	--	--	--	--
ARCH-C2E-DG-3 TO 3.5-221007-DUP-FB	10/7/2022	B/C	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2E-DG-2 TO 2.5-UP-C2.4-HS-221007-LA	10/7/2022	B/C	120	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221007-LA	10/7/2022	B/C	240	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2E-DG-2.5 TO 3-DN-C2.3-VS-221007-LA	10/7/2022	B/C	230	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2E-DG-3 TO 3.5-UP-C2.1-HS-221007-LA	10/7/2022	B/C	260	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-LA [c]	10/7/2022	~~B/C~~	~~420~~	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-LA [b]	10/14/2022	B/C	11	--	--	--	--	--	--	--	--	--
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-DUP-LA [d]	10/7/2022	~~B/C~~	~~280~~	--	--	--	--	--	--	--	--	--
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-DUP-LA	10/14/2022	B/C	14	--	--	--	--	--	--	--	--	--
ARCH-C2E-EXT-3 TO 4-221007-WF	10/7/2022	B/C	340	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Validated Confirmation Wipe Sampling Results - Low Occupancy Area within Zone 2

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

			Lead	PCBs								
			Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	Enclosure	µg/ft²	Concentration - µg/100 cm²								
Cleanup Goal (Low Occupancy Zone)			<250	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100	≤100
ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-LA	10/8/2022	B/C	210	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-DUP-LA	10/8/2022	B/C	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2W-EXT-1 TO 2-221008-WF	10/8/2022	B/C	290	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-DG-1.5 TO 2-221008-FB	10/8/2022	B/C	130	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-LA	10/8/2022	B/C	170	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008-LA	10/8/2022	B/C	190	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-LA	10/8/2022	B/C	130	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
ARCH-C1W-DG-2 TO 2.5-UP-C1.3-HS-221008-LA	10/8/2022	B/C	92	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221008-LA	10/8/2022	B/C	150	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C1W-DG-3 TO 3.5-UP-C1.6-HS-221008-LA	10/8/2022	B/C	310	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C1W-DG-3 TO 3.5-DN-C1.4-DG-221008-LA	10/8/2022	B/C	110	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C1W-DG-3 TO 3.5-DN-C1.4-VS-221008-LA	10/8/2022	B/C	320	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-INT-1.5 TO 2.5-221008-WF [b]	10/8/2022	B/C	230	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-INT-1.5 TO 2.5-221008-DUP-WF	10/8/2022	B/C	450	--	--	--	--	--	--	--	--	--
ARCH-C2W-PS-3-221008-G	10/8/2022	B/C	250	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-DG-3 TO 3.5-221008-FB [b]	10/8/2022	B/C	290	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-DG-3 TO 3.5-221008-DUP-FB	10/8/2022	B/C	380	--	--	--	--	--	--	--	--	--
ARCH-C2W-PS-3.5-221008-FB	10/8/2022	B/C	180	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-DG-2.5 TO 3-DN-C2.3-VS-221008-LA	10/8/2022	B/C	170	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-DG-3 TO 3.5-UP-C2.1-HS-221008-LA	10/8/2022	B/C	180	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-LA	10/8/2022	B/C	260	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-DUP-LA	10/8/2022	B/C	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-LA	11/1/2022	D	92	<0.5	<0.5	<0.5	<0.51	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-DUP-LA	11/1/2022	D	--	<0.42	<0.42	<0.42	<0.43	<0.42	<0.42	<0.42	<0.42	<0.42
ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-LA	11/1/2022	D	58	<0.5	<0.5	<0.5	<0.51	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-PS-4.5-221101-G	11/1/2022	D	58	<0.5	<0.5	<0.5	<0.51	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-INT-4.5 TO 5.5-221101-WF	11/1/2022	D	120	<0.5	<0.5	<0.5	<0.51	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-INT-4.5 TO 5.5-221101-DUP-WF [b]	11/1/2022	D	110	--	--	--	--	--	--	--	--	--
ARCH-C2W-DG-5 TO 5.5-221101-FB	11/1/2022	D	54	<0.5	<0.5	<0.5	<0.51	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C1W-DG-5 TO 5.5-DN-C1.5-DG-221101-L-LA	11/1/2022	D	88	<0.5	<0.5	<0.5	<0.51	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-PS-5.5-221101-G	11/1/2022	D	110	<0.5	<0.5	<0.5	<0.51	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-LA	11/1/2022	D	86	<0.5	<0.5	<0.5	<0.51	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-DUP-LA	11/1/2022	D	--	<0.5	<0.5	<0.5	<0.51	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-DG-6 TO 6.5-221101-FB [b]	11/1/2022	D	8.8	<0.5	<0.5	<0.5	<0.51	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-DG-6 TO 6.5-221101-DUP-FB	11/1/2022	D	100	--	--	--	--	--	--	--	--	--
ARCH-C2W-PS-6.5-221101-G	11/1/2022	D	98	<0.5	<0.5	<0.5	<0.51	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH-C2W-EXT-7 TO 8-221101-WF	11/1/2022	D	71	<0.5	<0.5	<0.5	<0.51	<0.5	<0.5	<0.5	<0.5	<0.5
ARCH C1W-DG-7 TO 7.5-DN-C1.3 DG-221116-LA	11/16/2022	D	74	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
ARCH C2W-EXT-8 TO 9-221116-WF	11/16/2022	D	54	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
95-Percent UCL (Low Occupancy) [e]			191	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0

Validated Confirmation Wipe Sampling Results - Low Occupancy Area within Zone 2

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

			Lead	PCBs								
			Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	**Sample Date**	**Enclosure**	**µg/ft²**	**Concentration - µg/100 cm²**								
Cleanup Goal (Low Occupancy Zone)			**<250**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**	**≤100**
220915-MEDBLANK1	9/15/2022	A	<0.54	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
221007-MEDBLANK1	10/7/2022	B/C	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
221008-MEDBLANK2	10/8/2022	B/C	**0.6**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
221101-MEDBLANK1	11/1/2022	D	<0.54	<0.5	<0.5	<0.5	<0.51	<0.5	<0.5	<0.5	<0.5	<0.5

Acronyms and Abbreviations:

NTCRA: Non-Time-Critical Removal Action

PCBs: polychlorinated biphenyls

µg/100 cm²: micrograms per 100 square centimeters

µg/ft²: micrograms per square foot

UCL: Upper Confidence Limit

UFP-QAPP: Uniform Federal Policy Quality Assurance Project Plan

UJ: Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

U.S. EPA: United States Environmental Protection Agency

-- : Not analyzed/not applicable

Notes:

The 95-percent UCL was calculated using Version 5.2 of ProUCL program published by the U.S. EPA. The highest of the recommended UCL is presented in this table. The 95-percent UCL output file is presented in Attachment 4.

[a] Location ID corresponds to the Field ID in the Laboratory Analytical Reports.

[b] The lower result of each duplicate sample pair collected was not included in the calculation of the 95-percent UCL. If the values were equivalent the duplicate result was not included in the calculation of 95-percent UCL.

[c] The indicated location was re-abated and re-sampled. The original confirmation sampling result and locations that were re-abated and re-sampled was not included in the calculation of the 95-percent UCL.

[d] The indicated sample is the duplicate sample for the original sample collected at location ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-LA

[e] 95-percent UCL for PCBs is the maximum of the analytical reporting limits for each Aroclor as the 95-percent UCL could not be calculated because PCBs were not detected in any of the PCB samples.

Bolded values indicate constituents detected above laboratory reporting limits.

Shaded values indicate constituents reported at concentrations above the Cleanup Goal.

~~Strikethrough~~ text represents sample locations that were re-abated and subsequently re-sampled. Only the final confirmation sample results were used in the calculation of the 95-percent UCL of the mean concentration.

Attachment 3

Confirmation Sampling Analytical Reports

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

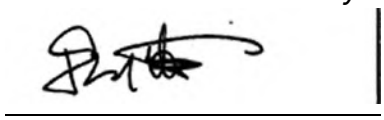
Lab Job Number:	469257
Report Level:	II
Report Date:	01/12/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	469257
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/16/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C1E-MED-L1-UP-C1.4-HM-220916-P-CB	469257-001	09/16/22 11:55	Wipe
AFRAME-C1E-MED-L1-UP-C1.4-HM-220916-L-CB	469257-002	09/16/22 11:55	Wipe
AFRAME-C1E-LAT-L1-UP-C1.6-VS-220916-P-LA	469257-003	09/16/22 11:10	Wipe
AFRAME-C1E-LAT-L1-UP-C1.6-VS-220916-L-LA	469257-004	09/16/22 11:10	Wipe
AFRAME-C1E-MED-L1-UP-C1.6-HS-220916-P-LA	469257-005	09/16/22 12:15	Wipe
AFRAME-C1E-MED-L1-UP-C1.6-HS-220916-L-LA	469257-006	09/16/22 12:15	Wipe
AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-P-SS	469257-007	09/16/22 13:05	Wipe
AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-P-DUP-SS	469257-008	09/16/22 13:05	Wipe
AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-L-SS	469257-009	09/16/22 13:05	Wipe
AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-P-LA	469257-010	09/16/22 11:10	Wipe
AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-P-DUP-LA	469257-011	09/16/22 11:10	Wipe
AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-L-LA	469257-012	09/16/22 11:10	Wipe
AFRAME-C2E-LAT-L1-UP-C2.6-VS-220916-P-I	469257-013	09/16/22 13:20	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	469257
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/16/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C2E-LAT-L1-UP-C2.6-VS-220916-L-I	469257-014	09/16/22 13:20	Wipe
AFRAME-C2E-MED-L1-UP-C2.5-DG-220916-P-SS	469257-015	09/16/22 11:35	Wipe
AFRAME-C2E-MED-L1-UP-C2.5-DG-220916-L-SS	469257-016	09/16/22 11:35	Wipe
AFRAME-C2E-MED-L1-UP-C2E-HS-220916-P-LA	469257-017	09/16/22 12:35	Wipe
AFRAME-C2E-MED-L1-UP-C2E-HS-220916-L-LA	469257-018	09/16/22 12:35	Wipe
AFRAME-C2E-MED-L2-INT-0.5 TO 1-220916-P-FB	469257-019	09/16/22 11:25	Wipe
AFRAME-C2E-MED-L2-INT-0.5 TO 1-220916-L-FB	469257-020	09/16/22 11:25	Wipe
AFRAME-C2E-LAT-L2-EXT-0 TO 1-220916-P-WF	469257-021	09/16/22 11:40	Wipe
AFRAME-C2E-LAT-L2-EXT-0 TO 1-220916-L-WF	469257-022	09/16/22 11:40	Wipe
AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-P-FB	469257-023	09/16/22 12:30	Wipe
AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-L-FB	469257-024	09/16/22 12:30	Wipe
AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-L-DUP-FB	469257-025	09/16/22 12:30	Wipe
AFRAME-C2E-MED-L1-EXT-2 TO 3-220916-P-WF	469257-026	09/16/22 12:10	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	469257
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/16/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C2E-MED-L1-EXT-2 TO 3-220916-L-WF	469257-027	09/16/22 12:10	Wipe
AFRAME-C2E-MED-L1-HS-3-220916-P-A	469257-028	09/16/22 13:00	Wipe
AFRAME-C2E-MED-L1-HS-3-220916-L-A	469257-029	09/16/22 13:00	Wipe
AFRAME-C2E-MED-L1-HS-3-220916-L-DUP-A	469257-030	09/16/22 13:00	Wipe
AFRAME-C2E-LAT-L1-HS-3-220916-P-A	469257-031	09/16/22 12:50	Wipe
AFRAME-C2E-LAT-L1-HS-3-220916-L-A	469257-032	09/16/22 12:50	Wipe
AFRAME-C2E-MED-L1-INT-1 TO 2-220916-P-FB	469257-033	09/16/22 12:05	Wipe
AFRAME-C2E-MED-L1-INT-1 TO 2-220916-L-FB	469257-034	09/16/22 12:05	Wipe
AFRAME-C2E-LAT-L1-EXT-1 TO 2-220916-P-WF	469257-035	09/16/22 11:50	Wipe
AFRAME-C2E-LAT-L1-EXT-1 TO 2-220916-L-WF	469257-036	09/16/22 11:50	Wipe
AFRAME-C2E-LAT-L1-INT-0 TO 1-220916-P-FB	469257-037	09/16/22 12:50	Wipe
AFRAME-C2E-LAT-L1-INT-0 TO 1-220916-L-FB	469257-038	09/16/22 12:50	Wipe
220916-P-MEDBLANK3	469257-039	09/16/22 11:20	Wipe
220916-L-MEDBLANK3	469257-040	09/16/22 11:20	Wipe
ARCH-C2E-PS-4.5-220916-P-G	469257-041	09/16/22 07:35	Wipe
ARCH-C2E-PS-4.5-220916-L-G	469257-042	09/16/22 07:35	Wipe
ARCH-C2E-DG-4 TO 4.5-UP-C2.1-VS-220916-P-LA	469257-043	09/16/22 07:35	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker Rincon Consultants 449 15th Street #303 Oakland, CA 94612		Lab Job #: Project No: Location: Date Received:	469257 20-10491 Hangar 1 NTCRA 09/16/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C2E-DG-4 TO 4.5-UP-C2.1-VS-220916-L-LA	469257-044	09/16/22 07:35	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 469257 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 09/16/22

This data package contains sample and QC results for forty four wipe samples, requested for the above referenced project on 09/19/22. The samples were received cold and intact. Reissued 1/12/23 to revise the preparation method reference.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

46257

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Chain of Custody Record — COC ID:

Page: 1 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	~~ARCH-C2E-EXT-8 TO 9-UP-C2.1-DG-220916-P-~~	~~9/16/2022~~		~~WP~~	~~1~~		X		
2	~~ARCH-C2E-EXT-8 TO 9-UP-C2.1-DG-220916-L-~~	~~9/16/2022~~		~~WP~~	~~1~~			X	
3	~~ARCH-C2E-PS-7-220916-P-~~	~~9/16/2022~~		~~WP~~	~~1~~		X		
4	~~ARCH-C2E-PS-7-220916-L-~~	~~9/16/2022~~		~~WP~~	~~1~~			X	
5	~~ARCH-C2E-DG-7 TO 7.5-220916-P-~~	~~9/16/2022~~		~~WP~~	~~1~~		X		
6	~~ARCH-C2E-DG-7 TO 7.5-220916-L~~	~~9/16/2022~~		~~WP~~	~~1~~			X	
7	~~ARCH-C2E-DG-7 TO 7.5-220916-L-DUP-~~	9/16/2022		WP	1			X	
1 8	AFRAME-C1E-MED-L1-UP-C1.4-HM-220916-P- CB	9/16/2022	1155	WP	1		X		
2 9	AFRAME-C1E-MED-L1-UP-C1.4-HM-220916-L- CB	9/16/2022	1155	WP	1			X	
3 10	AFRAME-C1E-LAT-L1-UP-C1.6-VS-220916-P- LA	9/16/2022	1110	WP	1		X		
4 11	AFRAME-C1E-LAT-L1-UP-C1.6-VS-220916-L- LA	9/16/2022	1110	WP	1			X	
5 12	AFRAME-C1E-MED-L1-UP-C1.6-DG-220916-P- LA HS LA	9/16/2022	1215	WP	1		X		
6 13	AFRAME-C1E-MED-L1-UP-C1.6-DG-220916-L- LA HS LA	9/16/2022	1305/1215	WP	1			X	
7 14	AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-P- SS	9/16/2022	1305	WP	1		X		
8 15	AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-P-DUP- SS	9/16/2022	1305	WP	1		X		

5x Rivet Type 2 = 0.0500ft²

2x Rivet Type 2 = 0.0200ft²

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TSylvester	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 15:15
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	9/16/22 15:15
2 Relinquished By:	Audrey Hudson	"	"	9/16/22 17:11
2 Received By:		[illegible]	[illegible]	9/16/22 17:11
3 Relinquished By:		Macenall Lee	[illegible]	9/16/22 17:55
3 Received By:	Courtney Sylvester	Courtney Sylvester	E.A.	9/17/22 08:04

469257

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 2 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swah T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
9	16 AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-L-SS	9/16/2022	1305	WP	1			X	
10	17 AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-P-LA	9/16/2022	1110	WP	1		X		
11	18 AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-P-DUP-LA	9/16/2022	1110	WP	1		X		
12	19 AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-L-LA	9/16/2022	1110	WP	1			X	
13	20 AFRAME-C2E-LAT-L1-UP-C2.6-VS-220916-P-T	9/16/2022	1320	WP	1		X		
14	21 AFRAME-C2E-LAT-L1-UP-C2.6-VS-220916-L-I	9/16/2022	1320	WP	1			X	
15	22 AFRAME-C2E-MED-L1-UP-C2.5-DG-220916-P-SS	9/16/2022	1135	WP	1		X		
16	23 AFRAME-C2E-MED-L1-UP-C2.5-DG-220916-L-SS	9/16/2022	1135	WP	1			X	
17	24 AFRAME-C2E-~~LAT~~MED-L1-UP-C2E-HS-220916-P-LA	9/16/2022	1235	WP	1		X		
18	25 AFRAME-C2E-~~LAT~~MED-L1-UP-C2E-HS-220916-L-LA	9/16/2022	1235	WP	1			X	
19	26 AFRAME-C2E-MED-L2-INT-0.5 TO 1-220916-P-FB	9/16/2022	1125	WP	1		X		
20	27 AFRAME-C2E-MED-L2-INT-0.5 TO 1-220916-L-FB	9/16/2022	1125	WP	1			X	
21	28 AFRAME-C2E-LAT-L2-EXT-0 TO 1-220916-P-WF	9/16/2022	1140	WP	1		X		
22	29 AFRAME-C2E-LAT-L2-EXT-0 TO 1-220916-L-WF	9/16/2022	1140	WP	1			X	
23	30 AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-P-FB	9/16/2022	1230	WP	1		X		

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

2x Rivet Type 2 = 0.020 ft²

2x Rivet Type 2 = 0.020 ft²

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TSlaght	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 15:15
1 Received By:	Audrey Hudson	AUBREY HUDSON	ENTHALPY	9/16/22 15:15
2 Relinquished By:	Audrey Hudson	"	"	9/16/22 17:11
2 Received By:		B Duncan		9/16/22 17:4
3 Relinquished By:		Rincon		9/16/22 17:55
3 Received By:		Elena Sylvia	E.A.	9/17/22 08:04

469257

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 3 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

Test Instructions / Comments:

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B							HOLD	
31	AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-L-FB	9/16/2022	1230	WP	1			X								
32	AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-L-DUP-FB	9/16/2022	1230	WP	1			X								
33	AFRAME-C2E-MED-L1-EXT-2 TO 3-220916-P-WF	9/16/2022	1210	WP	1		X									
34	AFRAME-C2E-MED-L1-EXT-2 TO 3-220916-L-WF	9/16/2022	1210	WP	1			X								
35	AFRAME-C2E-MED-L1-HS-3-220916-P-A	9/16/2022	1300	WP	1		X									
36	AFRAME-C2E-MED-L1-HS-3-220916-L-A	9/16/2022	1300	WP	1			X								
37	AFRAME-C2E-MED-L1-HS-3-220916-L-DUP-A	9/16/2022	1300	WP	1			X								
38	AFRAME-C2E-LAT-L1-HS-3-220916-P-A	9/16/2022	1250	WP	1		X									
39	AFRAME-C2E-LAT-L1-HS-3-220916-L-A	9/16/2022	1250	WP	1			X								
40	AFRAME-C2E-MED-L1-INT-1 TO 2-220916-P-FB	9/16/2022	1205	WP	1		X									
41	AFRAME-C2E-MED-L1-INT-1 TO 2-220916-L-FB	9/16/2022	1205	WP	1			X								
42	AFRAME-C2E-LAT-L1-EXT-1 TO 2-220916-P-WF	9/16/2022	1150	WP	1		X									
43	AFRAME-C2E-LAT-L1-EXT-1 TO 2-220916-L-WF	9/16/2022	1150	WP	1			X								4x Type 7 Rivets = 0.0552ft²
44	AFRAME-C2E-LAT-L1-INT-0 TO 1-220916-P-FB	9/16/2022	1250	WP	1		X									
45	AFRAME-C2E-LAT-L1-INT-0 TO 1-220916-L-FB	9/16/2022	1250	WP	1			X								

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TSlivitt	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 15:15
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	9/16/22 15:15
[2] Relinquished By:	Audrey Hudson	"	"	9/16/22 17:11
[2] Received By:				9/16/22 17:11
[3] Relinquished By:				9/16/22 17:55
[3] Received By:		Geena Sylvestri	E.A.	9/17/22 08:04

469257

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 4 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
46	220916-P-MEDBLANK3	9/16/2022	1120	WP	1		X			Collected from High Occupancy zone of Hangar 1
47	220916-L-MEDBLANK3	9/16/2022	1120	WP	1			X		Collected from High Occupancy zone of Hangar 1
48	ARCH-C2E-PS-4.5-220916-P-G	9/16/22	0735	WP	1		X			
49	ARCH-C2E-PS-4.5-220916-L-G	9/16/22	0735	WP	1			X		
50	ARCH-C2E-DG-4TO4.5-UP-C2.1-VS-220916-P-LA	9/16/22	0735	WP	1		X			
51										
52	ARCH-C2E-DG-4TO4.5-UP-C2.1-VS-220916-L-LA	09/16/22	0735	WP	1			X		
53										
54										
55										
56										
57										
58										
59										
60										

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 15:15
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	9/16/22 15:15
[2] Relinquished By:	Audrey Hudson			9/16/22 17:11
[2] Received By:				9/16/22 17:11
[3] Relinquished By:				9/16/22 17:55
[3] Received By:		Gabby Sylvestri	E.A.	9/17/22 08:04

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 469257 Client: Ramon

Date Received: 9/16/22 Project: _____

ENTHALPY ANALYTICAL

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 2 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 9/16/22 By (print) KM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 2.3, #2: 3.3, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?			
Are there any missing / extra samples?			
Are samples in the appropriate containers for indicated tests?			
Are sample labels present, in good condition and complete?			
Does the container count match the COC?			
Do the sample labels agree with custody papers?			
Was sufficient amount of sample sent for tests requested?			
Did you change the hold time in LIMS for unpreserved VOAs?			
Did you change the hold time in LIMS for preserved terracores?			
Are bubbles > 6mm present in VOA samples?			
Was the client contacted concerning this sample delivery?			
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 9/16/22 **By (print)** KM Ar SHB **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 09/17/22 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 3 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.7 #2: 5.7 #3: 1.6 #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.6 #2: 0.9 #3: 0.7 #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 9/17/22



STD PPD

16SEP22 07:25

Schd GL

Pcs: 5 of 7

LOS ANGELES, CA

From: ENTHALPY ANALYTICAL
000-000-0000

RECV ENTHALPY ANALYTICAL
931 W. BARKLEY AVE
ORANGE, CA 92868
Phone: 925-487-8029

Standard
Agency Phone: (213)629-8420

Manual Wght:
321.7
Tariff Wght:
325.0

PO/Ref #:

WWW.SHIPGREYHOUND.COM

LOS ANGELES

5

5

Enthalpy Analytical
Sample Receiving
931 W Barkley Ave.
Orange, CA 92868

Enthalpy Analytical
Sample Receiving
931 W Barkley Ave.
Orange, CA 92868

6



STD PPD 16SEP22 07:25P

Schd: GLI 6747

Pcs: 3 of 7 LOS ANGELES, CA

From: ENTHALPY ANALYTICAL
000-000-0000

RECV: ENTHALPY ANALYTICAL
931 W. BARKLEY AVE
ORANGE, CA 92868
Phone: 925-487-8029

Standard

Agency Phone: (213)629-8420

Manual Wght:
321.7

Tariff Wght:
325.0

PO/Ref #:

WWW.SHIPGREYHOUND.COM

09/517

LOS ANGELES

#7 1.6/0.7

PACKAGE EXPRESS

A8672351B

LBC-GPX (REV 11/19)

STD PPD 16SEP22 07:25P ** LABEL **

Pcs: 6 of 7 Schd: GLI 6747 LOS ANGELES, CA

GLI 3090378269

From: ENTHALPY ANALYTICAL
000-000-0000

RECV: ENTHALPY ANALYTICAL
931 W. BARKLEY AVE

ORANGE, CA 92868
Phone: 925-487-8029

Manual Wght: 321.7
Tariff Wght: 325.0

Standard

PO/Ref #:

Agency Phone: (213)629-8420

WWW.SHIPGREYHOUND.COM

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1E-MED-L1-UP-C1.4-HM-220916-P-CB **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-001 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Diln Fac: 1.000 **Analyzed:** 09/23/22

469257-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-001 Surrogate	%REC	Limits
TCMX (PCB)	89	52-186
Decachlorobiphenyl (PCB)	90	50-150

Field ID: AFRAME-C1E-LAT-L1-UP-C1.6-VS-220916-P-LA **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-003 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Diln Fac: 1.000 **Analyzed:** 09/23/22

469257-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-003 Surrogate	%REC	Limits
TCMX (PCB)	81	52-186
Decachlorobiphenyl (PCB)	81	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1E-MED-L1-UP-C1.6-HS-220916-P-LA **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-005 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Dil n Fac: 1.000 **Analyzed:** 09/23/22

469257-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-005 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	67	50-150

Field ID: AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-P-SS **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-007 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Dil n Fac: 1.000 **Analyzed:** 09/23/22

469257-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-007 Surrogate	%REC	Limits
TCMX (PCB)	61	52-186
Decachlorobiphenyl (PCB)	63	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-P-DUP-SS **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-008 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Diln Fac: 1.000 **Analyzed:** 09/24/22

469257-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-008 Surrogate	%REC	Limits
TCMX (PCB)	60	52-186
Decachlorobiphenyl (PCB)	62	50-150

Field ID: AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-P-LA **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-010 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Diln Fac: 1.000 **Analyzed:** 09/24/22

469257-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-010 Surrogate	%REC	Limits
TCMX (PCB)	73	52-186
Decachlorobiphenyl (PCB)	75	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-P-DUP-LA **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-011 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Diln Fac: 1.000 **Analyzed:** 09/24/22

469257-011 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-011 Surrogate	%REC	Limits
TCMX (PCB)	73	52-186
Decachlorobiphenyl (PCB)	69	50-150

Field ID: AFRAME-C2E-LAT-L1-UP-C2.6-VS-220916-P-I **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-013 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Diln Fac: 1.000 **Analyzed:** 09/24/22

469257-013 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-013 Surrogate	%REC	Limits
TCMX (PCB)	74	52-186
Decachlorobiphenyl (PCB)	72	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C2E-MED-L1-UP-C2.5-DG-220916-P-SS **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-015 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

DiIn Fac: 1.000 **Analyzed:** 09/24/22

469257-015 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-015 Surrogate	%REC	Limits
TCMX (PCB)	61	52-186
Decachlorobiphenyl (PCB)	56	50-150

Field ID: AFRAME-C2E-MED-L1-UP-C2E-HS-220916-P-LA **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-017 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

DiIn Fac: 1.000 **Analyzed:** 09/24/22

469257-017 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-017 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	57	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C2E-MED-L2-INT-0.5 TO 1-220916-P-FB **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-019 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

DiIn Fac: 1.000 **Analyzed:** 09/24/22

469257-019 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-019 Surrogate	%REC	Limits
TCMX (PCB)	66	52-186
Decachlorobiphenyl (PCB)	54	50-150

Field ID: AFRAME-C2E-LAT-L2-EXT-0 TO 1-220916-P-WF **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-021 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

DiIn Fac: 1.000 **Analyzed:** 09/24/22

469257-021 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-021 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	59	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-P-FB **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-023 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

DiIn Fac: 1.000 **Analyzed:** 09/24/22

469257-023 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-023 Surrogate	%REC	Limits
TCMX (PCB)	66	52-186
Decachlorobiphenyl (PCB)	57	50-150

Field ID: AFRAME-C2E-MED-L1-EXT-2 TO 3-220916-P-WF **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-026 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

DiIn Fac: 1.000 **Analyzed:** 09/24/22

469257-026 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-026 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	58	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C2E-MED-L1-HS-3-220916-P-A **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-028 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Dil n Fac: 1.000 **Analyzed:** 09/24/22

469257-028 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-028 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	52	50-150

Field ID: AFRAME-C2E-LAT-L1-HS-3-220916-P-A **Batch#:** 297418 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-031 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Dil n Fac: 1.000 **Analyzed:** 09/24/22

469257-031 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-031 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	63	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C2E-MED-L1-INT-1 TO 2-220916-P-FB **Batch#:** 297418 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-033 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

DiIn Fac: 1.000 **Analyzed:** 09/24/22

469257-033 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-033 Surrogate	%REC	Limits
TCMX (PCB)	95	52-186
Decachlorobiphenyl (PCB)	76	50-150

Field ID: AFRAME-C2E-LAT-L1-EXT-1 TO 2-220916-P-WF **Batch#:** 297418 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-035 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

DiIn Fac: 1.000 **Analyzed:** 09/24/22

469257-035 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-035 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	50	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C2E-LAT-L1-INT-0 TO 1-220916-P-FB **Batch#:** 297418 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-037 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Diln Fac: 1.000 **Analyzed:** 09/24/22

469257-037 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-037 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	52	50-150

Field ID: 220916-P-MEDBLANK3 **Batch#:** 297418 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-039 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Diln Fac: 1.000 **Analyzed:** 09/24/22

469257-039 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-039 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	60	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-PS-4.5-220916-P-G **Batch#:** 297418 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-041 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

DiIn Fac: 1.000 **Analyzed:** 09/24/22

469257-041 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-041 Surrogate	%REC	Limits
TCMX (PCB)	74	52-186
Decachlorobiphenyl (PCB)	62	50-150

Field ID: ARCH-C2E-DG-4 TO 4.5-UP-C2.1-VS-220916-P-LA **Batch#:** 297418 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 8082

Lab ID: 469257-043 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

DiIn Fac: 1.000 **Analyzed:** 09/24/22

469257-043 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469257-043 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	53	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 297417 **Analysis:** EPA 8082

Lab ID: QC1014266 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/22/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1014266 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1014266 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	89	60-140

Type: BLANK **Batch#:** 297418 **Analysis:** EPA 8082

Lab ID: QC1014269 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1014269 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1014269 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	101	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 297417 **Analysis:** EPA 8082

Lab ID: QC1014267 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/22/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1014267 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.524	90	60-140	ug/100 cm2
Aroclor-1260	5.000	4.849	97	60-140	ug/100 cm2

QC1014267 Surrogate	%REC	Limits
TCMX (PCB)	93	52-186
Decachlorobiphenyl (PCB)	92	60-140

Type: BSD **Batch#:** 297417 **Analysis:** EPA 8082

Lab ID: QC1014268 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/23/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1014268 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.904	98	60-140	ug/100 cm2	8	20
Aroclor-1260	5.000	5.307	106	60-140	ug/100 cm2	9	20

QC1014268 Surrogate	%REC	Limits
TCMX (PCB)	99	52-186
Decachlorobiphenyl (PCB)	104	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 297418 **Analysis:** EPA 8082

Lab ID: QC1014270 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1014270 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.316	86	60-140	ug/100 cm2
Aroclor-1260	5.000	4.274	85	60-140	ug/100 cm2

QC1014270 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	84	60-140

Type: BSD **Batch#:** 297418 **Analysis:** EPA 8082

Lab ID: QC1014271 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/26/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1014271 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.334	87	60-140	ug/100 cm2	0	20
Aroclor-1260	5.000	3.909	78	60-140	ug/100 cm2	9	20

QC1014271 Surrogate	%REC	Limits
TCMX (PCB)	87	52-186
Decachlorobiphenyl (PCB)	75	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1E-MED-L1-UP-C1.4-HM-220916-L-CB **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-002 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469257-002 Analyte	Result	RL	Units
Lead	**130**	0.54	ug/ft2

Field ID: AFRAME-C1E-LAT-L1-UP-C1.6-VS-220916-L-LA **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-004 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469257-004 Analyte	Result	RL	Units
Lead	**190**	0.52	ug/ft2

Field ID: AFRAME-C1E-MED-L1-UP-C1.6-HS-220916-L-LA **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-006 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469257-006 Analyte	Result	RL	Units
Lead	**96**	0.53	ug/ft2

Field ID: AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-L-SS **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-009 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469257-009 Analyte	Result	RL	Units
Lead	**92**	0.54	ug/ft2

Field ID: AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-L-LA **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-012 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469257-012 Analyte	Result	RL	Units
Lead	**170**	0.53	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C2E-LAT-L1-UP-C2.6-VS-220916-L-I **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-014 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Dil n Fac: 1.000 **Analyzed:** 09/20/22

469257-014 Analyte	Result	RL	Units
Lead	**160**	0.54	ug/ft2

Field ID: AFRAME-C2E-MED-L1-UP-C2.5-DG-220916-L-SS **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-016 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Dil n Fac: 1.000 **Analyzed:** 09/20/22

469257-016 Analyte	Result	RL	Units
Lead	**53**	0.54	ug/ft2

Field ID: AFRAME-C2E-MED-L1-UP-C2E-HS-220916-L-LA **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-018 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Dil n Fac: 1.000 **Analyzed:** 09/20/22

469257-018 Analyte	Result	RL	Units
Lead	**74**	0.53	ug/ft2

Field ID: AFRAME-C2E-MED-L2-INT-0.5 TO 1-220916-L-FB **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-020 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Dil n Fac: 1.000 **Analyzed:** 09/20/22

469257-020 Analyte	Result	RL	Units
Lead	**190**	0.54	ug/ft2

Field ID: AFRAME-C2E-LAT-L2-EXT-0 TO 1-220916-L-WF **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-022 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Dil n Fac: 1.000 **Analyzed:** 09/20/22

469257-022 Analyte	Result	RL	Units
Lead	**230**	0.54	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-L-FB **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-024 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469257-024 Analyte	Result	RL	Units
Lead	**420**	0.54	ug/ft2

Field ID: AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-L-DUP-FB **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-025 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469257-025 Analyte	Result	RL	Units
Lead	**460**	0.54	ug/ft2

Field ID: AFRAME-C2E-MED-L1-EXT-2 TO 3-220916-L-WF **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-027 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469257-027 Analyte	Result	RL	Units
Lead	**230**	0.54	ug/ft2

Field ID: AFRAME-C2E-MED-L1-HS-3-220916-L-A **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-029 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469257-029 Analyte	Result	RL	Units
Lead	**110**	0.54	ug/ft2

Field ID: AFRAME-C2E-MED-L1-HS-3-220916-L-DUP-A **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-030 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469257-030 Analyte	Result	RL	Units
Lead	**150**	0.54	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C2E-LAT-L1-HS-3-220916-L-A **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-032 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469257-032 Analyte	Result	RL	Units
Lead	**100**	0.54	ug/ft2

Field ID: AFRAME-C2E-MED-L1-INT-1 TO 2-220916-L-FB **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-034 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469257-034 Analyte	Result	RL	Units
Lead	**83**	0.54	ug/ft2

Field ID: AFRAME-C2E-LAT-L1-EXT-1 TO 2-220916-L-WF **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-036 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469257-036 Analyte	Result	RL	Units
Lead	**49**	0.52	ug/ft2

Field ID: AFRAME-C2E-LAT-L1-INT-0 TO 1-220916-L-FB **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-038 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469257-038 Analyte	Result	RL	Units
Lead	**93**	0.54	ug/ft2

Field ID: 220916-L-MEDBLANK3 **Batch#:** 297239 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-040 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/18/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469257-040 Analyte	Result	RL	Units
Lead	**0.87**	0.54	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-PS-4.5-220916-L-G **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-042 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469257-042 Analyte	Result	RL	Units
Lead	**110**	0.50	ug/ft2

Field ID: ARCH-C2E-DG-4 TO 4.5-UP-C2.1-VS-220916-L-LA **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/16/22 **Analysis:** EPA 6010B
Lab ID: 469257-044 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469257-044 Analyte	Result	RL	Units
Lead	**240**	0.54	ug/ft2

Type: BLANK **Batch#:** 297239 **Analysis:** EPA 6010B
Lab ID: QC1013739 **Prepared:** 09/18/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/20/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1013739 Analyte	Result	RL	Units
Lead	ND	0.54	ug/ft2

Type: BLANK **Batch#:** 297250 **Analysis:** EPA 6010B
Lab ID: QC1013780 **Prepared:** 09/19/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/20/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1013780 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 469257 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 297239 **Analysis:** EPA 6010B
Lab ID: QC1013740 **Prepared:** 09/18/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/20/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1013740 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	112.0	112	80-120	ug/ft2

Type: BS **Batch#:** 297250 **Analysis:** EPA 6010B
Lab ID: QC1013781 **Prepared:** 09/19/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/20/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1013781 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	106.0	106	80-120	ug/ft2

Type: BSD **Batch#:** 297239 **Analysis:** EPA 6010B
Lab ID: QC1013741 **Prepared:** 09/18/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/20/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1013741 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	113.7	114	80-120	ug/ft2	2	20

Type: BSD **Batch#:** 297250 **Analysis:** EPA 6010B
Lab ID: QC1013782 **Prepared:** 09/19/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/20/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1013782 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	104.9	105	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

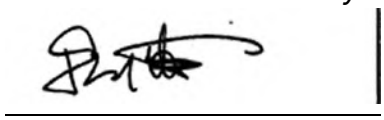
Lab Job Number:	469270
Report Level:	II
Report Date:	01/06/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	469270
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/16/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-220915-P-LA	469270-001	09/15/22 14:40	Wipe
ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-220915-L-LA	469270-002	09/15/22 14:40	Wipe
ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-220915-P-LA	469270-003	09/15/22 15:50	Wipe
ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-220915-L-LA	469270-004	09/15/22 15:50	Wipe
ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-220915-P-LA	469270-005	09/15/22 15:10	Wipe
ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-220915-L-LA	469270-006	09/15/22 15:10	Wipe
ARCH-C2E-PS-6.5-220915-P-G	469270-007	09/15/22 14:55	Wipe
ARCH-C2E-PS-6.5-220915-P-DUP-G	469270-008	09/15/22 14:55	Wipe
ARCH-C2E-PS-6.5-220915-L-G	469270-009	09/15/22 14:55	Wipe
ARCH-C2E-EXT-8 TO 9-220915-P-WF	469270-010	09/15/22 16:00	Wipe
ARCH-C2E-EXT-8 TO 9-220915-L-WF	469270-011	09/15/22 16:00	Wipe
AFRAME-C1E-MED-L2-UP-C1.3-HM-220915-P-CB	469270-012	09/15/22 15:40	Wipe
AFRAME-C1E-MED-L2-UP-C1.3-HM-220915-L-CB	469270-013	09/15/22 15:40	Wipe
AFRAME-C1E-LAT-L2-UP-C1.4-DG-220915-P-CB	469270-014	09/15/22 16:20	Wipe
AFRAME-C1E-LAT-L2-UP-C1.4-DG-220915-L-CB	469270-015	09/15/22 16:20	Wipe
AFRAME-C2E-LAT-L2-UP-C2.1-HM-220915-P-CB	469270-016	09/15/22 16:00	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	469270
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/16/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C2E-LAT-L2-UP-C2.1-HM-220915-L-CB	469270-017	09/15/22 16:00	Wipe
AFRAME-C2E-MED-L2-HS-1-220915-P-G	469270-018	09/15/22 15:15	Wipe
AFRAME-C2E-MED-L2-HS-1-220915-L-G	469270-019	09/15/22 15:15	Wipe
220915-P-MEDBLANK1	469270-020	09/15/22 13:10	Wipe
220915-L-MEDBLANK1	469270-021	09/15/22 13:10	Wipe
220915-P-MEDBLANK2	469270-022	09/15/22 13:21	Wipe
220915-L-MEDBLANK2	469270-024	09/15/22 13:21	Wipe
ARCH-C2E-EXT-7TO 8-220915-L-WF	469270-025	09/15/22 15:30	Wipe
ARCH-C2E-EXT-7TO8-220915-L-DUP-WF	469270-026	09/15/22 15:30	Wipe
ARCH-C2E-EXT-7TO8-220915-P-WF	469270-027	09/15/22 15:30	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 469270 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 09/16/22

This data package contains sample and QC results for twenty six wipe samples, requested for the above referenced project on 09/19/22. The samples were received cold and intact. Reissued 1/6/23 to revise the preparation method reference.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

469270

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID: 4 Page: 1 of 8

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK & TS

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-2209 15 -P- LA	9/15/2022	1440	WP	1		X			Confirmation Wipe Samples - Level II Report/Stage 2A Validation Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 2 Enclosure A
2	ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-2209 15 -L- LA	9/15/2022	1440	WP	1			X		2x Type 2 Rivets = 0.0200ft2
3	ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-2209 15 -P- LA	9/15/2022	1550	WP	1		X			
4	ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-2209 15 -L- LA	9/15/2022	1550	WP	1			X		
5	ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-2209 15 -P- LA	9/15/2022	1510	WP	1		X			
6	ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-2209 15 -L- LA	9/15/2022	1510	WP	1			X		2x Type 2 Rivets = 0.0200ft2
7	~~ARCH-C2E-EXT-8 TO 9-UP-C2.1-DG-2209 -P-~~	9/ /2022		WP	1		X			MK
8	~~ARCH-C2E-EXT-8 TO 9-UP-C2.1-DG-2209 -L-~~	9/ /2022		WP	1			X		MK
9	ARCH-C2E-PS-6.5-2209 15 -P- G1	9/15/2022	1455	WP	1		X			
10	ARCH-C2E-PS-6.5-2209 15 -P-DUP- G1	9/15/2022	1455	WP	1		X			
11	ARCH-C2E-PS-6.5-2209 15 -L- G1	9/15/2022	1455	WP	1			X		
12	~~ARCH-C2E-PS-7-2209 -P-~~	9/ /2022		WP	1		X			MK
13	~~ARCH-C2E-PS-7-2209 -L-~~	9/ /2022		WP	1			X		MK
14	~~ARCH-C2E-DG-7 TO 7.5-2209 -P-~~	9/ /2022		WP	1		X			MK
15	~~ARCH-C2E-DG-7 TO 7.5-2209 -L-~~	9/ /2022		WP	1			X		MK

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TK	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 15:15
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	9/16/22 15:15
2 Relinquished By:	Audrey Hudson	"	"	9/16/22 17:11
2 Received By:				9/16/22 17:11
3 Relinquished By:				9/16/22 17:55
3 Received By:		Gregory Vega	EnA	9/17/22 08:04

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ENTHALPY ANALYTICAL

Chain of Custody Record COC ID: 4 Page: 2 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK&TS

Test Instructions / Comments: **Confirmation Wipe Samples - Level II Report/Stage 2A Validation**
Report PCB concentrations on a µg/100cm² basis
Report lead concentrations on a µg/ft² basis
Report Aroclor 1268 concentrations in addition to the standard Aroclors
Wipe samples collected from Zone 2 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	~~ARCH-C2E-DG-7 TO 7.5-2209 -L-DUP-~~	~~9/ /2022~~		WP	1			X	
17	ARCH-C2E-EXT-8 TO 9-2209 15 -P- WF	9/15/2022	1600	WP	1		X		
18	ARCH-C2E-EXT-8 TO 9-2209 15 -L- WF	9/15/2022	1600	WP	1			X	
19	AFRAME-C1E-MED-L2-UP-C1.3-HM-2209 15 -P- CB	9/15/2022	1540	WP	1		X		
20	AFRAME-C1E-MED-L2-UP-C1.3-HM-2209 15 -L- CB	9/15/2022	1540	WP	1			X	
21	AFRAME-C1E-LAT-L2-UP-C1.4-DG-2209 15 -P- CB	9/15/2022	1620	WP	1		X		
22	AFRAME-C1E-LAT-L2-UP-C1.4-DG-2209 15 -L- CB	9/15/2022	1620	WP	1			X	
23	~~AFRAME-C1E-MED-L1-UP-C1.4-HM-2209 -P-~~	~~9/ /2022~~		WP	1		X		
24	~~AFRAME-C1E-MED-L1-UP-C1.4-HM-2209 -L-~~	~~9/ /2022~~		WP	1			X	
25	~~AFRAME-C1E-LAT-L1-UP-C1.6-VS-2209 -P-~~	~~9/ /2022~~		WP	1		X		
26	~~AFRAME-C1E-LAT-L1-UP-C1.6-VS-2209 -L-~~	~~9/ /2022~~		WP	1			X	
27	~~AFRAME-C1E-MED-L1-UP-C1.6-DG-2209 -P-~~	~~9/ /2022~~		WP	1		X		
28	~~AFRAME-C1E-MED-L1-UP-C1.6-DG-2209 -L-~~	~~9/ /2022~~		WP	1			X	
29	~~AFRAME-C1E-MED-L1-DN-C1.6-DG-2209 -P-~~	~~9/ /2022~~		WP	1		X		
30	~~AFRAME-C1E-MED-L1-DN-C1.6-DG-2209 -P-DUP~~	~~9/ /2022~~		WP	1		X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 15:15
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	9/16/22 15:15
2 Relinquished By:	Audrey Hudson			9/16/22 17:11
2 Received By:				9/16/22 17:14
3 Relinquished By:				9/16/22 17:55
3 Received By:			E.A.	9/17/22 08:04

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ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID: 4

Page: 3 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK & TS

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
31	~~AFRAME-C1E-MED-L1-DN-C1.6-DG-2209 -L-~~	~~9/ /2022~~		WP	1			X		
32	AFRAME-C2E-LAT-L2-UP-C2.1-HM-2209 15 -P- CB	9/15/2022	1600	WP	1		X			
33	AFRAME-C2E-LAT-L2-UP-C2.1-HM-2209 15 -L- CB	9/15/2022	1600	WP	1			X		
34	~~AFRAME-C2E-MED-L2-UP-C2.2-VS-2209 -P-~~	~~9/ /2022~~		WP	1		X			
35	~~AFRAME-C2E-MED-L2-UP-C2.2-VS-2209 -P-DUP-~~	~~9/ /2022~~		WP	1		X			
36	~~AFRAME-C2E-MED-L2-UP-C2.2-VS-2209 -L-~~	~~9/ /2022~~		WP	1			X		
37	~~AFRAME-C2E-LAT-L1-UP-C2.6-VS-2209 -P-~~	~~9/ /2022~~		WP	1		X			
38	~~AFRAME-C2E-LAT-L1-UP-C2.6-VS-2209 -L-~~	~~9/ /2022~~		WP	1			X		
39	~~AFRAME-C2E-MED-L1-UP-C2.5-DG-2209 -P-~~	~~9/ /2022~~		WP	1		X			
40	~~AFRAME-C2E-MED-L1-UP-C2.5-DG-2209 -L-~~	~~9/ /2022~~		WP	1			X		
41	~~AFRAME-C2E-LAT-L1-UP-C2E-HS-2209 -P-~~	~~9/ /2022~~		WP	1		X			
42	~~AFRAME-C2E-LAT-L1-UP-C2E-HS-2209 -L-~~	~~9/ /2022~~		WP	1			X		
43	AFRAME-C2E-MED-L2-HS-1-2209 15 -P- G	9/15/2022	1515	WP	1		X			
44	AFRAME-C2E-MED-L2-HS-1-2209 15 -L- G	9/15/2022	1515	WP	1			X		
45	~~AFRAME-C2E-MED-L2-INT-0.5 TO 1-2209 -P-~~	~~9/ /2022~~		WP	1		X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TK Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 13:15
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	9/16/22 15:15
2 Relinquished By:	Audrey Hudson	"	"	9/16/22 17:11
2 Received By:		Lorenzo Lopez	BB	9/16/22 17:11
3 Relinquished By:		Lorenzo Lopez	BB	9/16/22 17:55
3 Received By:	Geena Sylvestri	Geena Sylvestri	E.A.	9/17/22 08:04

Test Instructions / Comments:

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

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ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID: 4

Page: 4 of 6

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK & TS

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
61	AFRAME-C2E-LAT-L1-EXT-1 TO 2-2209 -P-	9/ /2022		WP	1		X			MK
62	AFRAME-C2E-LAT-L1-EXT-1 TO 2-2209 -L-	9/ /2022		WP	1			X		MK
63	AFRAME-C2E-LAT-L1-INT-0 TO 1-2209 -P-	9/ /2022		WP	1		X			MK
64	AFRAME-C2E-LAT-L1-INT-0 TO 1-2209 -L-	9/ /2022		WP	1			X		MK
65	2209 15 -P-MEDBLANK1	9/15/2022	1310	WP	1		X			Collected from Low Occupancy zone of Hangar 1
66	2209 15 -L-MEDBLANK1	9/15/2022	1310	WP	1			X		Collected from Low Occupancy zone of Hangar 1
67	2209 15 -P-MEDBLANK2	9/15/2022	1321	WP	1		X			Collected from High Occupancy zone of Hangar 1
68	2209 15 -L-MEDBLANK2	9/15/2022	1321	WP	1			X		Collected from High Occupancy zone of Hangar 1
69	2209 -P-MEDBLANK3	9/ /2022		WP	1		X			Collected from High Occupancy zone of Hangar 1 — MK
70	2209 -L-MEDBLANK3	9/ /2022		WP	1			X		Collected from High Occupancy zone of Hangar 1 — MK
71	ARCH-C2E-EXT-7TO8-220915-L-WF	9/15/22	1630	WP	1			X		
72	ARCH-C2E-EXT-7TO8-220916-L-DUP-WF	9/16/22	1630	WP	1			X		
73	ARCH-C2E-EXT-7TO8-22095-P-WF	9/16/22	1530	WP	1		X			
74										
75										

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TSchmitt	Tyler Simoff	Rincon / Envi. Scientist	9/16/22 15:15
1 Received By:	Lindsay Hedgen	AUDREY HUDSON	ENTHALPY	9/16/22 15:18
2 Relinquished By:	Audrey Hudson	"	"	9/16/22 17:11
2 Received By:			BH BB	9/16/22 17:41
3 Relinquished By:				9/16/22 17:55
3 Received By:	Geena Salvestrini	Geena Silvestri	E.A.	9/17/22 08:04

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 469270 Client: Ranson

Date Received: 9/16/22 Project: _____

ENTHALPY ANALYTICAL

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 2 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 9/16/22 By (print) KM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 2.3, #2: 3.3, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?			
Are there any missing / extra samples?			
Are samples in the appropriate containers for indicated tests?			
Are sample labels present, in good condition and complete?			
Does the container count match the COC?			
Do the sample labels agree with custody papers?			
Was sufficient amount of sample sent for tests requested?			
Did you change the hold time in LIMS for unpreserved VOAs?			
Did you change the hold time in LIMS for preserved terracores?			
Are bubbles > 6mm present in VOA samples?			
Was the client contacted concerning this sample delivery?			
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 9/16/22 **By (print)** KM AR SHB **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

469270

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID: 4 Page: 1 of 8

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK & TS

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-2209 15 -P- LA	9/15/2022	1440	WP	1		X			Confirmation Wipe Samples - Level II Report/Stage 2A Validation Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 2 Enclosure A
2	ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-2209 15 -L- LA	9/15/2022	1440	WP	1			X		2xType 2 Rivets = 0.0200ft2
3	ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-2209 15 -P- LA	9/15/2022	1550	WP	1		X			
4	ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-2209 15 -L- LA	9/15/2022	1550	WP	1			X		
5	ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-2209 15 -P- LA	9/15/2022	1510	WP	1		X			
6	ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-2209 15 -L- LA	9/15/2022	1510	WP	1			X		2xType 2 Rivets = 0.0200ft2
7	~~ARCH-C2E-EXT-8 TO 9-UP-C2.1-DG-2209 -P-~~	~~9/ /2022~~		~~WP~~	~~1~~		~~X~~			MK
8	~~ARCH-C2E-EXT-8 TO 9-UP-C2.1-DG-2209 -L-~~	~~9/ /2022~~		~~WP~~	~~1~~			~~X~~		MK
9	ARCH-C2E-PS-6.5-2209 15 -P- GT	9/15/2022	1455	WP	1		X			
10	ARCH-C2E-PS-6.5-2209 15 -P-DUP- GT	9/15/2022	1455	WP	1		X			
11	ARCH-C2E-PS-6.5-2209 15 -L- GT	9/15/2022	1455	WP	1			X		
12	~~ARCH-C2E-PS-7-2209 -P-~~	~~9/ /2022~~		~~WP~~	~~1~~		~~X~~			MK
13	~~ARCH-C2E-PS-7-2209 -L-~~	~~9/ /2022~~		~~WP~~	~~1~~			~~X~~		MK
14	~~ARCH-C2E-DG-7 TO 7.5-2209 -P-~~	~~9/ /2022~~		~~WP~~	~~1~~		~~X~~			MK
15	~~ARCH-C2E-DG-7 TO 7.5-2209 -L-~~	~~9/ /2022~~		~~WP~~	~~1~~			~~X~~		MK

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TKhuu	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 15:15
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	9/16/22 15:15
2 Relinquished By:	Audrey Hudson	"	"	9/16/22 17:11
2 Received By:				9/16/22 17:16
3 Relinquished By:				9/16/22 17:55
3 Received By:		Gaeun Sa'vegsri	ENA	9/17/22 08:04

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ENTHALPY ANALYTICAL

Chain of Custody Record COC ID: 4 Page: 2 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK&TS

Analysis Request: PCBs - EPA Method 8082; Lead - EPA Method 3050/6010B; HOLD

Test Instructions / Comments:

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs	Lead	HOLD
16	~~ARCH-C2E-DG-7 TO 7.5-2209 -L-DUP-~~	9/ /2022		WP	1			X	
17	ARCH-C2E-EXT-8 TO 9-2209 15 -P- WF	9/15/2022	1600	WP	1		X		
18	ARCH-C2E-EXT-8 TO 9-2209 15 -L- WF	9/15/2022	1600	WP	1			X	
19	AFRAME-C1E-MED-L2-UP-C1.3-HM-2209 15 -P- CB	9/15/2022	1540	WP	1		X		
20	AFRAME-C1E-MED-L2-UP-C1.3-HM-2209 15 -L- CB	9/15/2022	1540	WP	1			X	
21	AFRAME-C1E-LAT-L2-UP-C1.4-DG-2209 15 -P- CB	9/15/2022	1620	WP	1		X		
22	AFRAME-C1E-LAT-L2-UP-C1.4-DG-2209 15 -L- CB	9/15/2022	1620	WP	1			X	
23	~~AFRAME-C1E-MED-L1-UP-C1.4-HM-2209 -P-~~	9/ /2022		WP	1		X		
24	~~AFRAME-C1E-MED-L1-UP-C1.4-HM-2209 -L-~~	9/ /2022		WP	1			X	
25	~~AFRAME-C1E-LAT-L1-UP-C1.6-VS-2209 -P-~~	9/ /2022		WP	1		X		
26	~~AFRAME-C1E-LAT-L1-UP-C1.6-VS-2209 -L-~~	9/ /2022		WP	1			X	
27	~~AFRAME-C1E-MED-L1-UP-C1.6-DG-2209 -P-~~	9/ /2022		WP	1		X		
28	~~AFRAME-C1E-MED-L1-UP-C1.6-DG-2209 -L-~~	9/ /2022		WP	1			X	
29	~~AFRAME-C1E-MED-L1-DN-C1.6-DG-2209 -P-~~	9/ /2022		WP	1		X		
30	~~AFRAME-C1E-MED-L1-DN-C1.6-DG-2209 -P-DUP~~	9/ /2022		WP	1		X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TKSmith	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 15:15
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	9/16/22 15:15
2 Relinquished By:				9/16/22 17:11
2 Received By:				9/16/22 17:14
3 Relinquished By:				9/16/22 17:35
3 Received By:			E.A.	9/17/22 08:04

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ENTHALPY ANALYTICAL

Chain of Custody Record COC ID: 4 Page: 3 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK & TS

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
31	AFRAME-C1E-MED-L1-DN-C1.6-DG-2209 -L-	9/ /2022		WP	1			X	
32	AFRAME-C2E-LAT-L2-UP-C2.1-HM-2209 15 -P- CB	9/15/2022	1600	WP	1		X		
33	AFRAME-C2E-LAT-L2-UP-C2.1-HM-2209 15 -L- CB	9/15/2022	1600	WP	1			X	
34	AFRAME-C2E-MED-L2-UP-C2.2-VS-2209 -P-	9/ /2022		WP	1		X		
35	AFRAME-C2E-MED-L2-UP-C2.2-VS-2209 -P-DUP-	9/ /2022		WP	1		X		
36	AFRAME-C2E-MED-L2-UP-C2.2-VS-2209 -L-	9/ /2022		WP	1			X	
37	AFRAME-C2E-LAT-L1-UP-C2.6-VS-2209 -P-	9/ /2022		WP	1		X		
38	AFRAME-C2E-LAT-L1-UP-C2.6-VS-2209 -L-	9/ /2022		WP	1			X	
39	AFRAME-C2E-MED-L1-UP-C2.5-DG-2209 -P-	9/ /2022		WP	1		X		
40	AFRAME-C2E-MED-L1-UP-C2.5-DG-2209 -L-	9/ /2022		WP	1			X	
41	AFRAME-C2E-LAT-L1-UP-C2E-HS-2209 -P-	9/ /2022		WP	1		X		
42	AFRAME-C2E-LAT-L1-UP-C2E-HS-2209 -L-	9/ /2022		WP	1			X	
43	AFRAME-C2E-MED-L2-HS-1-2209 15 -P- G	9/15/2022	1515	WP	1		X		
44	AFRAME-C2E-MED-L2-HS-1-2209 15 -L- G	9/15/2022	1515	WP	1			X	
45	AFRAME-C2E-MED-L2-INT-0.5 TO 1-2209 -P-	9/ /2022		WP	1		X		

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TKinnoff	Tyler Sinnoff	Rincon / Envi. Scientist	9/16/22 15:15
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	9/16/22 15:15
2 Relinquished By:	Audrey Hudson	"	"	9/16/22 17:11
2 Received By:				9/16/22 17:11
3 Relinquished By:				9/16/22 17:55
3 Received By:	Geena Sylvestre	Geena Sylvestre	E.A.	9/17/22 08:04

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ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID: 4

Page: 4 of 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK & TS

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
							Analysis Request			**Confirmation Wipe Samples - Level II Report/Stage 2A Validation** Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 2 Enclosure A
61	~~AFRAME-C2E-LAT-L1-EXT-1 TO 2-2209 -P-~~	~~9/ /2022~~		WP	1		X			MK
62	~~AFRAME-C2E-LAT-L1-EXT-1 TO 2-2209 -L-~~	~~9/ /2022~~		WP	1			X		MK
63	~~AFRAME-C2E-LAT-L1-INT-0 TO 1-2209 -P-~~	~~9/ /2022~~		WP	1		X			MK
64	~~AFRAME-C2E-LAT-L1-INT-0 TO 1-2209 -L-~~	~~9/ /2022~~		WP	1			X		MK
65	2209 15 -P-MEDBLANK1	9/15/2022	1310	WP	1		X			Collected from Low Occupancy zone of Hangar 1
66	2209 15 -L-MEDBLANK1	9/15/2022	1310	WP	1			X		Collected from Low Occupancy zone of Hangar 1
67	2209 15 -P-MEDBLANK2	9/15/2022	1321	WP	1		X			Collected from High Occupancy zone of Hangar 1
68	2209 15 -L-MEDBLANK2	9/15/2022	1321	WP	1			X		Collected from High Occupancy zone of Hangar 1
69	~~2209 -P-MEDBLANK3~~	~~9/ /2022~~		WP	1		X			Collected from High Occupancy zone of Hangar 1 MK
70	2209 -L-MEDBLANK3	9/ /2022		WP	1			X		Collected from High Occupancy zone of Hangar 1 MK
71	ARCH-C2E-EXT-7T08-220915-L-WF	9/15/22	1630	WP	1			X		
72	ARCH-C2E-EXT-7T08-220915-L-DUP-WF	9/15/22	1630	WP	1			X		
73	ARCH-C2E-EXT-7T08-220915-P-WF	9/15/22	1530	WP	1		X			
74										
75										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TSchmidt	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 15:15
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	9/16/22 15:15
2 Relinquished By:	Audrey Hudson	"	"	9/16/22 17:11
2 Received By:			BH	9/16/22 17:11
3 Relinquished By:			BH	9/16/22 17:55
3 Received By:	Geena Salvestrini	Geena Silvestri	E.A.	9/17/22 0820

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 469270 Client: Ranger

Date Received: 9/16/22 Project: _____

ENTHALPY ANALYTICAL

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 2 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 9/16/22 By (print) KM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 2.3, #2: 3.3, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?			
Are there any missing / extra samples?			
Are samples in the appropriate containers for indicated tests?			
Are sample labels present, in good condition and complete?			
Does the container count match the COC?			
Do the sample labels agree with custody papers?			
Was sufficient amount of sample sent for tests requested?			
Did you change the hold time in LIMS for unpreserved VOAs?			
Did you change the hold time in LIMS for preserved terracores?			
Are bubbles > 6mm present in VOA samples?			
Was the client contacted concerning this sample delivery?			
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 9/16/22 **By (print)** KM AS SHB **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 09/17/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.7 #2: 5.7 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.6 #2: 0.9 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)		✔	
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Sample 15 labeled as "AFRAME-C2E-LAT-L1-INT-0 TO 1-220915-L-CB",with sample to of 16:20, different than COC.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☑ Email (email sent to/on): JG / 09/17/22

Project Manager's response:

Completed By: _____ Date: 9/17/22

469270

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID: 4

Page: 1 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK & TS

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-2209 15 -P- LA	9/15/2022	1440	WP	1		X			
2	ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-2209 15 -L- LA	9/15/2022	1440	WP	1			X		2x Type 2 Rivets = 0.0200ft2
3	ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-2209 15 -P- LA	9/15/2022	1550	WP	1		X			
4	ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-2209 15 -L- LA	9/15/2022	1550	WP	1			X		
5	ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-2209 15 -P- LA	9/15/2022	1510	WP	1		X			
6	ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-2209 15 -L- LA	9/15/2022	1510	WP	1			X		2x Type 2 Rivets = 0.0200ft2
7	~~ARCH-C2E-EXT-8 TO 9-UP-C2.1-DG-2209 -P-~~	~~9/ /2022~~		~~WP~~	~~1~~		~~X~~			MK
8	~~ARCH-C2E-EXT-8 TO 9-UP-C2.1-DG-2209 -L-~~	~~9/ /2022~~		~~WP~~	~~1~~			~~X~~		MK
9	ARCH-C2E-PS-6.5-2209 15 -P- GT	9/15/2022	1455	WP	1		X			
10	ARCH-C2E-PS-6.5-2209 15 -P-DUP- GT	9/15/2022	1455	WP	1		X			
11	ARCH-C2E-PS-6.5-2209 15 -L- GT	9/15/2022	1455	WP	1			X		
12	~~ARCH-C2E-PS-7-2209 -P-~~	~~9/ /2022~~		~~WP~~	~~1~~		~~X~~			MK
13	~~ARCH-C2E-PS-7-2209 -L-~~	~~9/ /2022~~		~~WP~~	~~1~~			~~X~~		MK
14	~~ARCH-C2E-DG-7 TO 7.5-2209 -P-~~	~~9/ /2022~~		~~WP~~	~~1~~		~~X~~			MK
15	~~ARCH-C2E-DG-7 TO 7.5-2209 -L-~~	~~9/ /2022~~		~~WP~~	~~1~~			~~X~~		MK

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TKSmith	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 15:15
1 Received By:	Audrey Hudson	Audrey Hudson	" "	9/16/22 15:15
2 Relinquished By:	Audrey Hudson		ENTHALPY	9/16/22 17:11
2 Received By:				9/16/22 17:11
3 Relinquished By:				9/16/22 17:55
3 Received By:		Gregory Stivers	EA	9/17/22 08:04

469270

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID: 4 Page: 2 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
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Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK&TS

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	~~ARCH-C2E-DG-7 TO 7.5-2209 -L-DUP-~~	~~9/ /2022~~		WP	1			X	
17	ARCH-C2E-EXT-8 TO 9-2209 15 -P- WF	9/15/2022	1600	WP	1		X		
18	ARCH-C2E-EXT-8 TO 9-2209 15 -L- WF	9/15/2022	1600	WP	1			X	
19	AFRAME-C1E-MED-L2-UP-C1.3-HM-2209 15 -P- CB	9/15/2022	1540	WP	1		X		
20	~~AFRAME-C1E-MED-L2-UP-C1.3-HM-2209 15 -L- CB~~	~~9/15/2022~~	1540	WP	1			X	
21	AFRAME-C1E-LAT-L2-UP-C1.4-DG-2209 15 -P- CB	9/15/2022	1620	WP	1		X		
22	AFRAME-C1E-LAT-L2-UP-C1.4-DG-2209 15 -L- CB	9/15/2022	1620	WP	1			X	
23	~~AFRAME-C1E-MED-L1-UP-C1.4-HM-2209 -P-~~	~~9/ /2022~~		WP	1		X		
24	~~AFRAME-C1E-MED-L1-UP-C1.4-HM-2209 -L-~~	~~9/ /2022~~		WP	1			X	
25	~~AFRAME-C1E-LAT-L1-UP-C1.6-VS-2209 -P-~~	~~9/ /2022~~		WP	1		X		
26	~~AFRAME-C1E-LAT-L1-UP-C1.6-VS-2209 -L-~~	~~9/ /2022~~		WP	1			X	
27	~~AFRAME-C1E-MED-L1-UP-C1.6-DG-2209 -P-~~	~~9/ /2022~~		WP	1		X		
28	~~AFRAME-C1E-MED-L1-UP-C1.6-DG-2209 -L-~~	~~9/ /2022~~		WP	1			X	
29	~~AFRAME-C1E-MED-L1-DN-C1.6-DG-2209 -P-~~	~~9/ /2022~~		WP	1		X		
30	~~AFRAME-C1E-MED-L1-DN-C1.6-DG-2209 -P-DUP-~~	~~9/ /2022~~		WP	1		X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TSinnott	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 15:15
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	9/16/22 15:15
2 Relinquished By:	Audrey Hudson	"	"	9/16/22 17:11
2 Received By:		Maxwell Yip	BA	9/16/22 17:14
3 Relinquished By:		Maxwell Yip	BA	9/16/22 17:35
3 Received By:		Geena Sy/WSS	E.A.	9/17/22 08:04

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ENTHALPY ANALYTICAL

Chain of Custody Record COC ID: 4 Page: 3 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK & TS

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
31	~~AFRAME-C1E-MED-L1-DN-C1.6-DG-2209 -L-~~	~~9/ /2022~~		WP	1			X	
32	AFRAME-C2E-LAT-L2-UP-C2.1-HM-2209 15 -P- CB	9/15/2022	1600	WP	1		X		
33	AFRAME-C2E-LAT-L2-UP-C2.1-HM-2209 15 -L- CB	9/15/2022	1600	WP	1			X	
34	~~AFRAME-C2E-MED-L2-UP-C2.2-VS-2209 -P-~~	~~9/ /2022~~		WP	1		X		
35	~~AFRAME-C2E-MED-L2-UP-C2.2-VS-2209 -P-DUP-~~	~~9/ /2022~~		WP	1		X		
36	~~AFRAME-C2E-MED-L2-UP-C2.2-VS-2209 -L-~~	~~9/ /2022~~		WP	1			X	
37	~~AFRAME-C2E-LAT-L1-UP-C2.6-VS-2209 -P-~~	~~9/ /2022~~		WP	1		X		
38	~~AFRAME-C2E-LAT-L1-UP-C2.6-VS-2209 -L-~~	~~9/ /2022~~		WP	1			X	
39	~~AFRAME-C2E-MED-L1-UP-C2.5-DG-2209 -P-~~	~~9/ /2022~~		WP	1		X		
40	~~AFRAME-C2E-MED-L1-UP-C2.5-DG-2209 -L-~~	~~9/ /2022~~		WP	1			X	
41	~~AFRAME-C2E-LAT-L1-UP-C2E-HS-2209 -P-~~	~~9/ /2022~~		WP	1		X		
42	~~AFRAME-C2E-LAT-L1-UP-C2E-HS-2209 -L-~~	~~9/ /2022~~		WP	1			X	
43	AFRAME-C2E-MED-L2-HS-1-2209 15 -P- G	9/15/2022	1515	WP	1		X		
44	AFRAME-C2E-MED-L2-HS-1-2209 15 -L- G	9/15/2022	1515	WP	1			X	
45	~~AFRAME-C2E-MED-L2-INT-0.5 TO 1-2209 -P-~~	~~9/ /2022~~		WP	1		X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TKlinoff	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 13:15
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	9/16/22 15:15
2 Relinquished By:		"	"	9/16/22 17:11
2 Received By:				9/16/22 17:11
3 Relinquished By:				9/16/22 17:55
3 Received By:	Geena Sylvestri	Geena Sylvestri	E.A.	9/17/22 08:04

469270

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Chain of Custody Record — Page: 4 of 6 — COC ID: 4

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK & TS

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
61	AFRAME-C2E-LAT-L1-EXT-1 TO 2-2209 -P-	9/ /2022		WP	1		X			MK
62	AFRAME-C2E-LAT-L1-EXT-1 TO 2-2209 -L-	9/ /2022		WP	1			X		MK
63	AFRAME-C2E-LAT-L1-INT-0 TO 1-2209 -P-	9/ /2022		WP	1		X			MK
64	AFRAME-C2E-LAT-L1-INT-0 TO 1-2209 -L-	9/ /2022		WP	1			X		MK
65	2209 15 -P-MEDBLANK1	9/15/2022	1310	WP	1		X			Collected from Low Occupancy zone of Hangar 1
66	2209 15 -L-MEDBLANK1	9/15/2022	1310	WP	1			X		Collected from Low Occupancy zone of Hangar 1
67	2209 15 -P-MEDBLANK2	9/15/2022	1321	WP	1		X			Collected from High Occupancy zone of Hangar 1
68	2209 15 -L-MEDBLANK2	9/15/2022	1321	WP	1			X		Collected from High Occupancy zone of Hangar 1
69	2209 -P-MEDBLANK3	9/ /2022		WP	1		X			Collected from High Occupancy zone of Hangar 1 — MK
70	2209 -L-MEDBLANK3	9/ /2022		WP	1			X		Collected from High Occupancy zone of Hangar 1 — MK
71	ARCH-C2E-EXT-7T08-220915-L-WF	9/15/22	1630	WP	1			X		
72	ARCH-C2E-EXT-7T08-220916-L-DUP-WF	9/15/22	1630	WP	1			X		
73	ARCH-C2E-EXT-7T08-220915-P-WF	9/16/22	1530	WP	1		X			
74										
75										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TSchmitt	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 15:15
1 Received By:	Lindsay Hedgen	ANDREW HUDSON	ENTHALPY	9/16/22 15:18
2 Relinquished By:	Andrew Hudson	"	"	9/16/22 17:11
2 Received By:			BA BB	9/16/22 17:41
3 Relinquished By:				9/16/22 17:55
3 Received By:	Geena Salvestrini	Geena Silvestri	E.A.	9/17/22 08:04

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 469270 Client: Ramon

Date Received: 9/16/22 Project: _____

ENTHALPY ANALYTICAL

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 2 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 9/16/22 By (print) MM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 2.3, #2: 3.3, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?			
Are there any missing / extra samples?			
Are samples in the appropriate containers for indicated tests?			
Are sample labels present, in good condition and complete?			
Does the container count match the COC?			
Do the sample labels agree with custody papers?			
Was sufficient amount of sample sent for tests requested?			
Did you change the hold time in LIMS for unpreserved VOAs?			
Did you change the hold time in LIMS for preserved terracores?			
Are bubbles > 6mm present in VOA samples?			
Was the client contacted concerning this sample delivery?			
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 9/16/22 **By (print)** MM Ar SHB **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 09/17/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.7 #2: 5.7 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.6 #2: 0.9 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)		✔	
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Sample 15 labeled as "AFRAME-C2E-LAT-L1-INT-0 TO 1-220915-L-CB",with sample to of 16:20, different than COC.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☑ Email (email sent to/on): JG /09/17/22

Project Manager's response:

Completed By: _____ Date: 9/17/22

Enthalpy Analytical
Sample Receiving
931 W Barkley Ave.
Orange, CA 92868

6

PACKAGE EXPRESS

A8672354B

0.9 / 5.7

LBLBC-GPX (REV 11/19)

STD PPD 16SEP22 07:25P

Schd: GLI 6747

Pcs: 3 of 7 LOS ANGELES, CA

From: ENTHALPY ANALYTICAL
000-000-0000

RECV: ENTHALPY ANALYTICAL
931 W. BARKLEY AVE
ORANGE, CA 92868
Phone: 925-487-8029

LOS ANGELES

Manual Wght:
321.7

Tariff Wght:
325.0

PO/Ref #:

Standard

Agency Phone: (213)629-8420

WWW.SHIPGREYHOUND.COM



STD PPD

16SEP22 07:25

Schd GL

Pcs: 5 of 7

LOS ANGELES, CA

From: ENTHALPY ANALYTICAL
000-000-0000

RECV ENTHALPY ANALYTICAL
931 W. BARKLEY AVE
ORANGE, CA 92868
Phone: 925-487-8029

LOS ANGELES

Manual Wght:
321.7

Tariff Wght:
325.0

PO/Ref #:

Standard

Agency Phone: (213)629-8420

WWW.SHIPGREYHOUND.COM

5

5

Enthalpy Analytical
Sample Receiving
931 W Barkley Ave.
Orange, CA 92868

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469270 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-220915-P-LA **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469270-001 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

Dil Fac: 1.000 **Analyzed:** 09/20/22

469270-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469270-001 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	67	50-150

Field ID: ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-220915-P-LA **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469270-003 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

Dil Fac: 1.000 **Analyzed:** 09/20/22

469270-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469270-003 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	68	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469270 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-220915-P-LA **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469270-005 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

Diln Fac: 1.000 **Analyzed:** 09/20/22

469270-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469270-005 Surrogate	%REC	Limits
TCMX (PCB)	61	52-186
Decachlorobiphenyl (PCB)	62	50-150

Field ID: ARCH-C2E-PS-6.5-220915-P-G **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469270-007 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

Diln Fac: 1.000 **Analyzed:** 09/20/22

469270-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469270-007 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	64	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469270 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-PS-6.5-220915-P-DUP-G **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469270-008 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

Dil Fac: 1.000 **Analyzed:** 09/20/22

469270-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469270-008 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	68	50-150

Field ID: ARCH-C2E-EXT-8 TO 9-220915-P-WF **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469270-010 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

Dil Fac: 1.000 **Analyzed:** 09/20/22

469270-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469270-010 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	66	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469270 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1E-MED-L2-UP-C1.3-HM-220915-P-CB **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469270-012 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

DiIn Fac: 1.000 **Analyzed:** 09/20/22

469270-012 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469270-012 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	67	50-150

Field ID: AFRAME-C1E-LAT-L2-UP-C1.4-DG-220915-P-CB **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469270-014 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

DiIn Fac: 1.000 **Analyzed:** 09/20/22

469270-014 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469270-014 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	63	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469270 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C2E-LAT-L2-UP-C2.1-HM-220915-P-CB **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469270-016 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

Diln Fac: 1.000 **Analyzed:** 09/20/22

469270-016 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469270-016 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	66	50-150

Field ID: AFRAME-C2E-MED-L2-HS-1-220915-P-G **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469270-018 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

Diln Fac: 1.000 **Analyzed:** 09/20/22

469270-018 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469270-018 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	71	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469270 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 220915-P-MEDBLANK1 **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469270-020 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

DiIn Fac: 1.000 **Analyzed:** 09/20/22

469270-020 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469270-020 Surrogate	%REC	Limits
TCMX (PCB)	59	52-186
Decachlorobiphenyl (PCB)	62	50-150

Field ID: 220915-P-MEDBLANK2 **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469270-022 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

DiIn Fac: 1.000 **Analyzed:** 09/20/22

469270-022 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469270-022 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	66	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469270 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-EXT-7TO8-220915-P-WF **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469270-027 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

Dil n Fac: 1.000 **Analyzed:** 09/20/22

469270-027 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469270-027 Surrogate	%REC	Limits
TCMX (PCB)	71	52-186
Decachlorobiphenyl (PCB)	76	50-150

Type: BLANK **Batch#:** 297328 **Analysis:** EPA 8082

Lab ID: QC1014012 **Prepared:** 09/20/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/20/22

Dil n Fac: 1.000 **Prep:** EPA 3572M

QC1014012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1014012 Surrogate	%REC	Limits
TCMX (PCB)	85	52-186
Decachlorobiphenyl (PCB)	93	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 469270 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 297328 **Analysis:** EPA 8082

Lab ID: QC1014013 **Prepared:** 09/20/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/20/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1014013 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.796	76	60-140	ug/100 cm2
Aroclor-1260	5.000	4.225	84	60-140	ug/100 cm2

QC1014013 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	83	60-140

Type: BSD **Batch#:** 297328 **Analysis:** EPA 8082

Lab ID: QC1014014 **Prepared:** 09/20/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/20/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1014014 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.037	81	60-140	ug/100 cm2	6	20
Aroclor-1260	5.000	4.717	94	60-140	ug/100 cm2	11	20

QC1014014 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	90	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 469270 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-220915-L-LA **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469270-002 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469270-002 Analyte	Result	RL	Units
Lead	**260**	0.53	ug/ft2

Field ID: ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-220915-L-LA **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469270-004 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469270-004 Analyte	Result	RL	Units
Lead	**130**	0.54	ug/ft2

Field ID: ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-220915-L-LA **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469270-006 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469270-006 Analyte	Result	RL	Units
Lead	**130**	0.53	ug/ft2

Field ID: ARCH-C2E-PS-6.5-220915-L-G **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469270-009 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469270-009 Analyte	Result	RL	Units
Lead	**160**	0.54	ug/ft2

Field ID: ARCH-C2E-EXT-8 TO 9-220915-L-WF **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469270-011 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469270-011 Analyte	Result	RL	Units
Lead	**90**	0.54	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 469270 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1E-MED-L2-UP-C1.3-HM-220915-L-CB **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469270-013 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469270-013 Analyte	Result	RL	Units
Lead	**230**	0.54	ug/ft2

Field ID: AFRAME-C1E-LAT-L2-UP-C1.4-DG-220915-L-CB **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469270-015 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469270-015 Analyte	Result	RL	Units
Lead	**79**	0.54	ug/ft2

Field ID: AFRAME-C2E-LAT-L2-UP-C2.1-HM-220915-L-CB **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469270-017 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469270-017 Analyte	Result	RL	Units
Lead	**75**	0.54	ug/ft2

Field ID: AFRAME-C2E-MED-L2-HS-1-220915-L-G **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469270-019 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469270-019 Analyte	Result	RL	Units
Lead	**75**	0.54	ug/ft2

Field ID: 220915-L-MEDBLANK1 **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469270-021 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469270-021 Analyte	Result	RL	Units
Lead	ND	0.54	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 469270 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 220915-L-MEDBLANK2 **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469270-024 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469270-024 Analyte	Result	RL	Units
Lead	**1.5**	0.54	ug/ft2

Field ID: ARCH-C2E-EXT-7TO 8-220915-L-WF **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469270-025 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469270-025 Analyte	Result	RL	Units
Lead	**91**	0.54	ug/ft2

Field ID: ARCH-C2E-EXT-7TO8-220915-L-DUP-WF **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469270-026 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Diln Fac: 1.000 **Analyzed:** 09/20/22

469270-026 Analyte	Result	RL	Units
Lead	**100**	0.54	ug/ft2

Type: BLANK **Batch#:** 297250 **Analysis:** EPA 6010B
Lab ID: QC1013780 **Prepared:** 09/19/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/20/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1013780 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 469270 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 297250 **Analysis:** EPA 6010B

Lab ID: QC1013781 **Prepared:** 09/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 09/20/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1013781 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	106.0	106	80-120	ug/ft2

Type: BSD **Batch#:** 297250 **Analysis:** EPA 6010B

Lab ID: QC1013782 **Prepared:** 09/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 09/20/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1013782 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	104.9	105	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 469273
Report Level: IV
Report Date: 01/06/2023

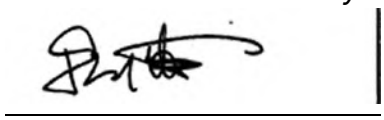
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	469273
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/16/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-P-LA	469273-001	09/15/22 13:10	Wipe
ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-P-LA	469273-003	09/15/22 13:50	Wipe
ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-P-DUP-LA	469273-004	09/15/22 13:50	Wipe
ARCH-C2E-INT-4.5 TO 5.5-220915-P-WF	469273-006	09/15/22 13:30	Wipe
ARCH-C2E-PS-5.5-220915-P-G	469273-009	09/15/22 14:10	Wipe
ARCH-C2E-DG-6 TO 6.5-220915-P-FB	469273-011	09/15/22 14:25	Wipe
AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-P-LA	469273-013	09/15/22 13:30	Wipe
AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-P-LA	469273-015	09/15/22 14:30	Wipe
AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-P-DUP-LA	469273-016	09/15/22 14:30	Wipe
AFRAME-C2E-LAT-L3-UP-C2.5-DG-220915-P-LA	469273-018	09/15/22 14:05	Wipe
AFRAME-C2E-MED-L3-DN-C2.4-DG-220915-P-LA	469273-020	09/15/22 15:00	Wipe
AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-P-WF	469273-022	09/15/22 13:45	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 469273 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 09/16/22

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 09/19/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/6/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

469273

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK&TS

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-P-LA	9/15/2022	1310	WP	1		X			4xType 2 Rivets=0.0400ft²
2	ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-L-LA	9/15/2022	1310	WP	1			X		
3	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-P-LA	9/15/2022	1350	WP	1		X			
4	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-P-DUP-LA	9/15/2022	1350	WP	1		X			
5	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-L-LA	9/15/2022	1350	WP	1			X		
6	ARCH-C2E-INT-4.5 TO 5.5-220915-P-WF	9/15/2022	1330	WP	1		X			
7	ARCH-C2E-INT-4.5 TO 5.5-220915-L-WF	9/15/2022	1330	WP	1			X		
8	ARCH-C2E-INT-4.5 TO 5.5-220915-L-DUP-WF	9/15/2022	1330	WP	1			X		
9	ARCH-C2E-PS-5.5-220915-P-G1	9/15/2022	1410	WP	1		X			8 x Type 1 Rivets=0.1104ft²
10	ARCH-C2E-PS-5.5-220915-L-G1	9/15/2022	1410	WP	1			X		
11	ARCH-C2E-DG-6 TO 6.5-220915-P-FB	9/15/2022	1425	WP	1		X			
12	ARCH-C2E-DG-6 TO 6.5-220915-L-FB	9/15/2022	1425	WP	1			X		
13	AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-P-LA	9/15/2022	1330	WP	1		X			
14	AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-L-LA	9/15/2022	1330	WP	1			X		
15	AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-P-LA	9/15/2022	1430	WP	1		X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TK	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 15:15
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	9/16/22 15:15
2 Relinquished By:	Audrey Hudson	"	"	9/16/22 17:11
2 Received By:				9/16/22
3 Relinquished By:				9/16/22 1755
3 Received By:	Rec'd: Yeena Schesten	Geena Schesten	E.A.	9/16/22 9/17/22 08:04

469273

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	ML&JB

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	AFRAME-C1E-LAT-L3-DN-C1.3-DG-2209~~1~~5-P-DUP-LA	9/15/2022	1430	WP	1		X		
17	AFRAME-C1E-LAT-L3-DN-C1.3-DG-2209~~1~~5-L-LA	9/15/2022	1430	WP	1			X	
18	AFRAME-C2E-LAT-L3-UP-C2.5-DG-2209~~1~~5-P-LA	9/15/2022	1405	WP	1		X		
19	AFRAME-C2E-LAT-L3-UP-C2.5-DG-2209 15-L-LA	9/15/2022	1405	WP	1			X	
20	AFRAME-C2E-MED-L3-DN-C2.4-DG-2209~~1~~5-P-LA	9/15/2022	1500	WP	1		X		
21	AFRAME-C2E-MED-L3-DN-C2.4-DG-2209~~1~~5-L-LA	9/15/2022	1500	WP	1			X	
22	AFRAME-C2E-MED-L3-EXT-1 TO 2-2209 15-P-WF	9/15/2022	1345	WP	1		X		
23	AFRAME-C2E-MED-L3-EXT-1 TO 2-2209 15-L-WF	9/15/2022	1345	WP	1			X	
24	AFRAME-C2E-MED-L3-EXT-1 TO 2-2209 15-L-DUP-WF	9/15/2022	1345	WP	1			X	
25									
26									
27									
28									
29									
30									

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TK Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 / 15:15
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	9/16/22 15:15
[2] Relinquished By:	Audrey Hudson	"	"	9/16/22 17:11
[2] Received By:	[illegible]	[illegible]	[illegible]	9/16/22 17:11
[3] Relinquished By:	[illegible]	[illegible]	[illegible]	9/16/22 17:55
[3] Received By:	[illegible]	[illegible]	E.A.	9/17/22 08:04

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 469273 Client: Ramcon

Date Received: 9/16/22 Project: _____

ENTHALPY ANALYTICAL

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 2 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 9/16/22 By (print) KM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 2.3, #2: 3.3, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer?			
Did all bottles arrive unbroken/unopened?			
Are there any missing / extra samples?			
Are samples in the appropriate containers for indicated tests?			
Are sample labels present, in good condition and complete?			
Does the container count match the COC?			
Do the sample labels agree with custody papers?			
Was sufficient amount of sample sent for tests requested?			
Did you change the hold time in LIMS for unpreserved VOAs?			
Did you change the hold time in LIMS for preserved terracores?			
Are bubbles > 6mm present in VOA samples?			
Was the client contacted concerning this sample delivery?			
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 9/16/22 **By (print)** KM for SHB **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 09/17/22 Sampler's Name Present: ☑ Yes ☑ No 9/17/22

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.7 #2: 5.7 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.6 #2: 0.9 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 9/17/22

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal



STD PPD

16SEP22 07:25

Schd GL

Pcs: 5 of 7

LOS ANGELES, CA

From: ENTHALPY ANALYTICAL
000-000-0000

RECV ENTHALPY ANALYTICAL
931 W. BARKLEY AVE
ORANGE, CA 92868
Phone: 925-487-8029

Manual Wght:
321.7
Tariff Wght:
325.0

PO/Ref #:

Standard

Agency Phone: (213)629-8420

WWW.SHIPGREYHOUND.COM

LOS ANGELES

5

5

Enthalpy Analytical
Sample Receiving
931 W Barkley Ave.
Orange, CA 92868

Enthalpy Analytical
Sample Receiving
931 W Barkley Ave.
Orange, CA 92868

6

PACKAGE EXPRESS

A8672354B

09/517

LBLBC-GPX (REV 11/19)

STD PPD 16SEP22 07:25P

Schd: GLI 6747

Pcs: 3 of 7 LOS ANGELES, CA

From: ENTHALPY ANALYTICAL
000-000-0000

RECV: ENTHALPY ANALYTICAL
931 W. BARKLEY AVE
ORANGE, CA 92868
Phone: 925-487-8029

LOS ANGELES

Manual Wght:
321.7

Tariff Wght:
325.0

Standard

PO/Ref #:

Agency Phone: (213)629-8420

WWW.SHIPGREYHOUND.COM

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469273 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-P-LA **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469273-001 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

Dil Fac: 1.000 **Analyzed:** 09/20/22

469273-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469273-001 Surrogate	%REC	Limits
TCMX (PCB)	60	52-186
Decachlorobiphenyl (PCB)	65	50-150

Field ID: ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-P-LA **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469273-003 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

Dil Fac: 1.000 **Analyzed:** 09/20/22

469273-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469273-003 Surrogate	%REC	Limits
TCMX (PCB)	60	52-186
Decachlorobiphenyl (PCB)	64	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469273 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-P-DUP-LA **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469273-004 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

DiIn Fac: 1.000 **Analyzed:** 09/20/22

469273-004 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469273-004 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	66	50-150

Field ID: ARCH-C2E-INT-4.5 TO 5.5-220915-P-WF **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469273-006 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

DiIn Fac: 1.000 **Analyzed:** 09/20/22

469273-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469273-006 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	66	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469273 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-PS-5.5-220915-P-G **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469273-009 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

DiIn Fac: 1.000 **Analyzed:** 09/20/22

469273-009 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469273-009 Surrogate	%REC	Limits
TCMX (PCB)	66	52-186
Decachlorobiphenyl (PCB)	69	50-150

Field ID: ARCH-C2E-DG-6 TO 6.5-220915-P-FB **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469273-011 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

DiIn Fac: 1.000 **Analyzed:** 09/20/22

469273-011 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469273-011 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	67	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469273 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-P-LA **Batch#:** 297328 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469273-013 **Received:** 09/16/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 09/20/22

Diln Fac: 1.000 **Analyzed:** 09/20/22

469273-013 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469273-013 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	68	50-150

Field ID: AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-P-LA **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469273-015 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Diln Fac: 1.000 **Analyzed:** 09/24/22

469273-015 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469273-015 Surrogate	%REC	Limits
TCMX (PCB)	71	52-186
Decachlorobiphenyl (PCB)	58	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469273 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-P-DUP-LA **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469273-016 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Diln Fac: 1.000 **Analyzed:** 09/24/22

469273-016 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469273-016 Surrogate	%REC	Limits
TCMX (PCB)	72	52-186
Decachlorobiphenyl (PCB)	57	50-150

Field ID: AFRAME-C2E-LAT-L3-UP-C2.5-DG-220915-P-LA **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469273-018 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

Diln Fac: 1.000 **Analyzed:** 09/24/22

469273-018 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469273-018 Surrogate	%REC	Limits
TCMX (PCB)	77	52-186
Decachlorobiphenyl (PCB)	66	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469273 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C2E-MED-L3-DN-C2.4-DG-220915-P-LA **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469273-020 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

DiIn Fac: 1.000 **Analyzed:** 09/24/22

469273-020 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469273-020 Surrogate	%REC	Limits
TCMX (PCB)	71	52-186
Decachlorobiphenyl (PCB)	62	50-150

Field ID: AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-P-WF **Batch#:** 297417 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 8082

Lab ID: 469273-022 **Received:** 09/16/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 09/21/22

DiIn Fac: 1.000 **Analyzed:** 09/24/22

469273-022 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

469273-022 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	57	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 469273 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 297328 **Analysis:** EPA 8082

Lab ID: QC1014012 **Prepared:** 09/20/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/20/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1014012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1014012 Surrogate	%REC	Limits
TCMX (PCB)	85	52-186
Decachlorobiphenyl (PCB)	93	60-140

Type: BLANK **Batch#:** 297417 **Analysis:** EPA 8082

Lab ID: QC1014266 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/22/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1014266 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1014266 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	89	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 469273 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 297328 **Analysis:** EPA 8082

Lab ID: QC1014013 **Prepared:** 09/20/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/20/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1014013 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.796	76	60-140	ug/100 cm2
Aroclor-1260	5.000	4.225	84	60-140	ug/100 cm2

QC1014013 Surrogate	%REC	Limits
TCMX (PCB)	79	52-186
Decachlorobiphenyl (PCB)	83	60-140

Type: BSD **Batch#:** 297328 **Analysis:** EPA 8082

Lab ID: QC1014014 **Prepared:** 09/20/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 09/20/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1014014 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.037	81	60-140	ug/100 cm2	6	20
Aroclor-1260	5.000	4.717	94	60-140	ug/100 cm2	11	20

QC1014014 Surrogate	%REC	Limits
TCMX (PCB)	83	52-186
Decachlorobiphenyl (PCB)	90	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 469273 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 297417 **Analysis:** EPA 8082

Lab ID: QC1014267 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/22/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1014267 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.524	90	60-140	ug/100 cm2
Aroclor-1260	5.000	4.849	97	60-140	ug/100 cm2

QC1014267 Surrogate	%REC	Limits
TCMX (PCB)	93	52-186
Decachlorobiphenyl (PCB)	92	60-140

Type: BSD **Batch#:** 297417 **Analysis:** EPA 8082

Lab ID: QC1014268 **Prepared:** 09/21/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 09/23/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1014268 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.904	98	60-140	ug/100 cm2	8	20
Aroclor-1260	5.000	5.307	106	60-140	ug/100 cm2	9	20

QC1014268 Surrogate	%REC	Limits
TCMX (PCB)	99	52-186
Decachlorobiphenyl (PCB)	104	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_608_090722_1
Calibration #:	212360956002	Date:	07-SEP-2022 21:46
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc02_090722-063	212360956063		07-SEP-2022 21:46	S17263
L2	gc02_090722-064	212360956064		07-SEP-2022 22:03	S17264
L3	gc02_090722-065	212360956065		07-SEP-2022 22:21	S17265
L4	gc02_090722-066	212360956066		07-SEP-2022 22:39	S17266
L5	gc02_090722-067	212360956067		07-SEP-2022 22:57	S17267
L6	gc02_090722-068	212360956068		07-SEP-2022 23:15	S17268
L7	gc02_090722-069	212360956069		07-SEP-2022 23:32	S17269
L8	gc02_090722-070	212360956070		07-SEP-2022 23:50	S17270
L9	gc02_090722-071	212360956071		08-SEP-2022 00:08	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		56.8500		0.0176		10	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		29.4485		0.0340		11	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.5402		0.0512		7	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		33.1869		0.0301		10	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		36.0330		0.0278		13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		18.6612		0.0536		9	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		12.2081		0.0819		10	9	.99	20	
Aroclor-1260 Peak # 3	A	LINR	36.7824	9.91908		0.0940	0.994		9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		18.1417		0.0551		8	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		13.8735		0.0721		11	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.83979		1.1908		8	7	.99	20	
TCMX (PCB)	A	AVRG		1.05702		0.9461		8	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		39.5700		0.0253		19	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		19.5984		0.0510		18	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		16.1654		0.0619		16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		20.4991		0.0488		20	7	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		25.4329		0.0393		17	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		12.4837		0.0801		16	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		11.0798		0.0903		19	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		9.31552		0.1073		15	8	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		16.1731		0.0618		10	8	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		10.9295		0.0915		19	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.83507		1.1975		15	9	.99	20	
TCMX (PCB)	B	AVRG		0.96274		1.0387		12	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
LINR: Linear regression

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_608_090722_1
Calibration #:	212360956002	Date:	07-SEP-2022 21:46
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0214	0.0191	0.0186	0.0168	0.0175	0.0168	0.0167	0.0158	0.0157
Aroclor-1016 Peak # 2	A	0.0427	0.0366	0.0347	0.0327	0.0318	0.0315	0.0325	0.0317	0.0315
Aroclor-1016 Peak # 3	A	0.0590	0.0526	0.0479	0.0475	0.0488	0.0483	0.0510	0.0510	0.0545
Aroclor-1016 Peak # 4	A	0.0379	0.0313	0.0291	0.0276	0.0283	0.0279	0.0299	0.0295	0.0297
Aroclor-1016 Peak # 5	A	0.0370	0.0277	0.0277	0.0253	0.0260	0.0253	0.0272	0.0266	0.0268
Aroclor-1260 Peak # 1	A	0.0663	0.0548	0.0531	0.0504	0.0503	0.0498	0.0540	0.0514	0.0522
Aroclor-1260 Peak # 2	A	0.1027	0.0815	0.0785	0.0746	0.0771	0.0768	0.0842	0.0800	0.0817
Aroclor-1260 Peak # 3	A	0.1145	0.0893	0.0857	0.0895	0.0942	0.0822	0.0893	0.0988	0.1024
Aroclor-1260 Peak # 4	A	0.0623	0.0524	0.0508	0.0490	0.0523	0.0530	0.0600	0.0570	0.0592
Aroclor-1260 Peak # 5	A	0.0854	0.0646	0.0639	0.0630	0.0690	0.0698	0.0794	0.0749	0.0787
Decachlorobiphenyl (PCB)	A			1.0897	1.0535	1.1678	1.1799	1.3325	1.2226	1.2894
TCMX (PCB)	A	1.0867	0.8914	0.8753	0.8692	0.9100	0.9236	0.9811	0.9862	0.9911
Aroclor-1016 Peak # 1	B	0.0358	0.0278	0.0260	0.0243	0.0241	0.0225	0.0218	0.0198	
Aroclor-1016 Peak # 2	B	0.0680	0.0600	0.0561	0.0520	0.0496	0.0463	0.0456	0.0419	0.0397
Aroclor-1016 Peak # 3	B	0.0827	0.0690	0.0664	0.0616	0.0597	0.0563	0.0568	0.0534	0.0509
Aroclor-1016 Peak # 4	B	0.0690	0.0520	0.0490	0.0455	0.0441	0.0411	0.0409		
Aroclor-1016 Peak # 5	B	0.0522	0.0444	0.0421	0.0413	0.0383	0.0360	0.0358	0.0326	0.0312
Aroclor-1260 Peak # 1	B	0.1045	0.0903	0.0869	0.0818	0.0795	0.0741	0.0743	0.0660	0.0636
Aroclor-1260 Peak # 2	B	0.1217	0.1046	0.0965	0.0888	0.0845	0.0779	0.0785	0.0694	
Aroclor-1260 Peak # 3	B	0.1382	0.1199	0.1138	0.1056	0.1025	0.0957	0.0967	0.0863	
Aroclor-1260 Peak # 4	B		0.0734	0.0621	0.0657	0.0648	0.0579	0.0621	0.0548	0.0538
Aroclor-1260 Peak # 5	B	0.1321	0.1022	0.0963	0.0887	0.0881	0.0830	0.0851	0.0746	0.0735
Decachlorobiphenyl (PCB)	B	1.5661	1.2963	1.2984	1.1801	1.1943	1.1178	1.1508	0.9893	0.9842
TCMX (PCB)	B	1.3182	1.1379	1.0746	1.0190	1.0021	0.9591	0.9840	0.9402	0.9133

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_608_090722_1
Calibration #:	212360956002	Date:	07-SEP-2022 21:46
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**21**	50.000	9	100.00	5	250.00	-5	500.00	0	749.91	-4	1000.0	-5	1500.0	-10
Aroclor-1016 Peak # 2	A	20.000	**26**	50.000	8	100.00	2	250.00	-4	500.00	-6	749.91	-7	1000.0	-4	1500.0	-7
Aroclor-1016 Peak # 3	A	20.000	15	50.000	3	100.00	-6	250.00	-7	500.00	-5	749.91	-6	1000.0	0	1500.0	0
Aroclor-1016 Peak # 4	A	20.000	**26**	50.000	4	100.00	-3	250.00	-9	500.00	-6	749.91	-7	1000.0	-1	1500.0	-2
Aroclor-1016 Peak # 5	A	20.000	**33**	50.000	0	100.00	0	250.00	-9	500.00	-6	749.91	-9	1000.0	-2	1500.0	-4
Aroclor-1260 Peak # 1	A	20.000	**24**	50.000	2	100.00	-1	250.00	-6	500.00	-6	749.91	-7	1000.0	1	1500.0	-4
Aroclor-1260 Peak # 2	A	20.000	**25**	50.000	-1	100.00	-4	250.00	-9	500.00	-6	749.91	-6	1000.0	3	1500.0	-2
Aroclor-1260 Peak # 3	A	20.000	**197**	50.000	**62**	100.00	**22**	250.00	3	500.00	1	749.91	-14	1000.0	-8	1500.0	0
Aroclor-1260 Peak # 4	A	20.000	13	50.000	-5	100.00	-8	250.00	-11	500.00	-5	749.91	-4	1000.0	9	1500.0	3
Aroclor-1260 Peak # 5	A	20.000	19	50.000	-10	100.00	-11	250.00	-13	500.00	-4	749.91	-3	1000.0	10	1500.0	4
Decachlorobiphenyl (PCB)	A					8.0000	-8	20.000	-12	40.000	-2	59.993	-1	80.000	12	120.00	3
TCMX (PCB)	A	1.6000	15	4.0000	-6	8.0000	-7	20.000	-8	40.000	-4	59.993	-2	80.000	4	120.00	4
Aroclor-1016 Peak # 1	B	20.000	**42**	50.000	10	100.00	3	250.00	-4	500.00	-5	749.91	-11	1000.0	-14	1500.0	**-21**
Aroclor-1016 Peak # 2	B	20.000	**33**	50.000	18	100.00	10	250.00	2	500.00	-3	749.91	-9	1000.0	-11	1500.0	-18
Aroclor-1016 Peak # 3	B	20.000	**34**	50.000	11	100.00	7	250.00	0	500.00	-3	749.91	-9	1000.0	-8	1500.0	-14
Aroclor-1016 Peak # 4	B	20.000	**41**	50.000	7	100.00	0	250.00	-7	500.00	-10	749.91	-16	1000.0	-16		
Aroclor-1016 Peak # 5	B	20.000	**33**	50.000	13	100.00	7	250.00	5	500.00	-2	749.91	-9	1000.0	-9	1500.0	-17
Aroclor-1260 Peak # 1	B	20.000	**30**	50.000	13	100.00	8	250.00	2	500.00	-1	749.91	-8	1000.0	-7	1500.0	-18
Aroclor-1260 Peak # 2	B	20.000	**35**	50.000	16	100.00	7	250.00	-2	500.00	-6	749.91	-14	1000.0	-13	1500.0	**-23**
Aroclor-1260 Peak # 3	B	20.000	**29**	50.000	12	100.00	6	250.00	-2	500.00	-5	749.91	-11	1000.0	-10	1500.0	-20
Aroclor-1260 Peak # 4	B			50.000	19	100.00	1	250.00	6	500.00	5	749.91	-6	1000.0	0	1500.0	-11
Aroclor-1260 Peak # 5	B	20.000	**44**	50.000	12	100.00	5	250.00	-3	500.00	-4	749.91	-9	1000.0	-7	1500.0	-18
Decachlorobiphenyl (PCB)	B	1.6000	**31**	4.0000	8	8.0000	8	20.000	-1	40.000	0	59.993	-7	80.000	-4	120.00	-17
TCMX (PCB)	B	1.6000	**27**	4.0000	10	8.0000	3	20.000	-2	40.000	-4	59.993	-8	80.000	-5	120.00	-9

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_608_090722_1
Calibration #:	212360956002	Date:	07-SEP-2022 21:46
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-11
Aroclor-1016 Peak # 2	A	2000.0	-7
Aroclor-1016 Peak # 3	A	2000.0	6
Aroclor-1016 Peak # 4	A	2000.0	-2
Aroclor-1016 Peak # 5	A	2000.0	-3
Aroclor-1260 Peak # 1	A	2000.0	-3
Aroclor-1260 Peak # 2	A	2000.0	0
Aroclor-1260 Peak # 3	A	2000.0	3
Aroclor-1260 Peak # 4	A	2000.0	7
Aroclor-1260 Peak # 5	A	2000.0	9
Decachlorobiphenyl (PCB)	A	160.00	8
TCMX (PCB)	A	160.00	5
Aroclor-1016 Peak # 1	B		
Aroclor-1016 Peak # 2	B	2000.0	**-22**
Aroclor-1016 Peak # 3	B	2000.0	-18
Aroclor-1016 Peak # 4	B		
Aroclor-1016 Peak # 5	B	2000.0	**-21**
Aroclor-1260 Peak # 1	B	2000.0	**-21**
Aroclor-1260 Peak # 2	B		
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B	2000.0	-13
Aroclor-1260 Peak # 5	B	2000.0	-20
Decachlorobiphenyl (PCB)	B	160.00	-18
TCMX (PCB)	B	160.00	-12

TRN 09/08/22 : Manually integrated peak for coeluting, negative/positive baseline for both/one channel on multiple level

Analyst: TRN 09/08/22

Reviewer: LW 09/08/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 469273 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02	Name:	PCB_608_090722_1
Calnum:	212360956002	Cal Date:	07-SEP-2022

- ICV 212360956073 (gc02_090722-073 08-SEP-2022) stds: S17274

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	481.1	ug/L	-4	15	
Aroclor-1260	A	500.0	553.6	ug/L	11	15	
Aroclor-1016	B	500.0	479.3	ug/L	-4	15	
Aroclor-1260	B	500.0	536.9	ug/L	7	15	

-

Analyst: TRN 09/08/22 **Reviewer:** LW 09/08/22

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_092322_1
Calibration #:	212383934001	Date:	23-SEP-2022 14:54
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc02_092322-015	212383934015		23-SEP-2022 14:54	S17263
L2	gc02_092322-016	212383934016		23-SEP-2022 15:12	S17264
L3	gc02_092322-017	212383934017		23-SEP-2022 15:30	S17265
L4	gc02_092322-018	212383934018		23-SEP-2022 15:48	S17266
L5	gc02_092322-019	212383934019		23-SEP-2022 16:06	S17267
L6	gc02_092322-020	212383934020		23-SEP-2022 16:24	S17268
L7	gc02_092322-021	212383934021		23-SEP-2022 16:42	S17269
L8	gc02_092322-022	212383934022		23-SEP-2022 16:59	S17270
L9	gc02_092322-023	212383934023		23-SEP-2022 17:17	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		68.5980		0.0146	5	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		31.8187		0.0314	7	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.6183		0.0485	16	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		31.2061		0.0320	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		38.7780		0.0258	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		19.7289		0.0507	11	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		12.1743		0.0821	12	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		10.9188		0.0916	14	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.5250		0.0512	14	8	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		14.2326		0.0703	17	8	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.86215		1.1599	17	8	.99	20	
TCMX (PCB)	A	AVRG		1.03048		0.9704	17	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		41.8231		0.0239	18	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		19.8981		0.0503	17	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		16.3234		0.0613	14	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		22.7091		0.0440	15	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		26.5108		0.0377	16	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		13.3207		0.0751	18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		11.4227		0.0875	18	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		9.33789		0.1071	15	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		15.2985		0.0654	16	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		10.1950		0.0981	15	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.77402		1.2920	15	9	.99	20	
TCMX (PCB)	B	AVRG		0.96300		1.0384	11	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_092322_1
Calibration #:	212383934001	Date:	23-SEP-2022 14:54
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0162	0.0153	0.0141	0.0139	0.0139	0.0143	0.0142	0.0145	0.0150
Aroclor-1016 Peak # 2	A	0.0359	0.0306	0.0294	0.0294	0.0290	0.0314	0.0313	0.0320	0.0339
Aroclor-1016 Peak # 3	A	0.0448	0.0380	0.0411	0.0432	0.0475	0.0525	0.0519	0.0566	0.0610
Aroclor-1016 Peak # 4	A	0.0332	0.0289	0.0269	0.0289	0.0313	0.0329	0.0332	0.0349	0.0382
Aroclor-1016 Peak # 5	A	0.0282	0.0226	0.0224	0.0231	0.0248	0.0262	0.0264	0.0277	0.0307
Aroclor-1260 Peak # 1	A	0.0533	0.0451	0.0429	0.0465	0.0490	0.0516	0.0514	0.0546	0.0618
Aroclor-1260 Peak # 2	A	0.0819	0.0707	0.0694	0.0737	0.0808	0.0859	0.0852	0.0898	0.1019
Aroclor-1260 Peak # 3	A	0.0924	0.0804	0.0787	0.0843	0.0824	0.0867	0.0977	0.1032	0.1184
Aroclor-1260 Peak # 4	A	0.0498	0.0432	0.0422	0.0465	0.0525	0.0574	0.0570	0.0610	
Aroclor-1260 Peak # 5	A	0.0660	0.0558	0.0554	0.0635	0.0732	0.0806	0.0807	0.0870	
Decachlorobiphenyl (PCB)	A	1.0769	0.9259	0.9013	1.0647	1.2272	1.3444	1.3323	1.4063	
TCMX (PCB)	A	0.8855	0.7798	0.7867	0.8347	0.9484	1.0424	1.0731	1.1415	1.2417
Aroclor-1016 Peak # 1	B	0.0332	0.0266	0.0252	0.0242	0.0240	0.0226	0.0211	0.0195	0.0189
Aroclor-1016 Peak # 2	B	0.0674	0.0573	0.0546	0.0518	0.0495	0.0470	0.0439	0.0410	0.0399
Aroclor-1016 Peak # 3	B	0.0776	0.0672	0.0664	0.0623	0.0603	0.0584	0.0550	0.0522	0.0519
Aroclor-1016 Peak # 4	B	0.0577	0.0463	0.0470	0.0471	0.0436	0.0419	0.0391	0.0370	0.0364
Aroclor-1016 Peak # 5	B	0.0502	0.0414	0.0395	0.0388	0.0377	0.0359	0.0336	0.0315	0.0310
Aroclor-1260 Peak # 1	B	0.1016	0.0858	0.0797	0.0776	0.0743	0.0707	0.0649	0.0606	0.0604
Aroclor-1260 Peak # 2	B	0.1202	0.1011	0.0916	0.0914	0.0863	0.0821	0.0752	0.0701	0.0699
Aroclor-1260 Peak # 3	B	0.1384	0.1196	0.1125	0.1116	0.1065	0.1022	0.0945	0.0888	0.0896
Aroclor-1260 Peak # 4	B	0.0826	0.0764	0.0709	0.0661	0.0659	0.0644	0.0561	0.0530	0.0529
Aroclor-1260 Peak # 5	B	0.1264	0.1111	0.1017	0.1019	0.0978	0.0938	0.0864	0.0810	0.0826
Decachlorobiphenyl (PCB)	B	1.6575	1.4389	1.3264	1.3646	1.3087	1.2572	1.1395	1.0643	1.0706
TCMX (PCB)	B	1.3004	1.1164	1.0741	1.0172	1.0061	0.9926	0.9581	0.9339	0.9469

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_092322_1
Calibration #:	212383934001	Date:	23-SEP-2022 14:54
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	11	50.000	5	100.00	-3	250.00	-5	500.00	-5	749.91	-2	1000.0	-3	1500.0	-1
Aroclor-1016 Peak # 2	A	20.000	14	50.000	-3	100.00	-7	250.00	-7	500.00	-8	749.91	0	1000.0	0	1500.0	2
Aroclor-1016 Peak # 3	A	20.000	-8	50.000	**-22**	100.00	-15	250.00	-11	500.00	-2	749.91	8	1000.0	7	1500.0	17
Aroclor-1016 Peak # 4	A	20.000	4	50.000	-10	100.00	-16	250.00	-10	500.00	-2	749.91	3	1000.0	3	1500.0	9
Aroclor-1016 Peak # 5	A	20.000	9	50.000	-12	100.00	-13	250.00	-10	500.00	-4	749.91	2	1000.0	2	1500.0	7
Aroclor-1260 Peak # 1	A	20.000	5	50.000	-11	100.00	-15	250.00	-8	500.00	-3	749.91	2	1000.0	1	1500.0	8
Aroclor-1260 Peak # 2	A	20.000	0	50.000	-14	100.00	-16	250.00	-10	500.00	-2	749.91	5	1000.0	4	1500.0	9
Aroclor-1260 Peak # 3	A	20.000	1	50.000	-12	100.00	-14	250.00	-8	500.00	-10	749.91	-5	1000.0	7	1500.0	13
Aroclor-1260 Peak # 4	A	20.000	-3	50.000	-16	100.00	-18	250.00	-9	500.00	3	749.91	12	1000.0	11	1500.0	19
Aroclor-1260 Peak # 5	A	20.000	-6	50.000	**-21**	100.00	**-21**	250.00	-10	500.00	4	749.91	15	1000.0	15	1500.0	**24**
Decachlorobiphenyl (PCB)	A	1.6000	-7	4.0000	-20	8.0000	**-22**	20.000	-8	40.000	6	59.993	16	80.000	15	120.00	**21**
TCMX (PCB)	A	1.6000	-9	4.0000	-20	8.0000	-19	20.000	-14	40.000	-2	59.993	7	80.000	11	120.00	18
Aroclor-1016 Peak # 1	B	20.000	**39**	50.000	11	100.00	5	250.00	1	500.00	0	749.91	-6	1000.0	-12	1500.0	-18
Aroclor-1016 Peak # 2	B	20.000	**34**	50.000	14	100.00	9	250.00	3	500.00	-2	749.91	-7	1000.0	-13	1500.0	-18
Aroclor-1016 Peak # 3	B	20.000	**27**	50.000	10	100.00	8	250.00	2	500.00	-2	749.91	-5	1000.0	-10	1500.0	-15
Aroclor-1016 Peak # 4	B	20.000	**31**	50.000	5	100.00	7	250.00	7	500.00	-1	749.91	-5	1000.0	-11	1500.0	-16
Aroclor-1016 Peak # 5	B	20.000	**33**	50.000	10	100.00	5	250.00	3	500.00	0	749.91	-5	1000.0	-11	1500.0	-17
Aroclor-1260 Peak # 1	B	20.000	**35**	50.000	14	100.00	6	250.00	3	500.00	-1	749.91	-6	1000.0	-14	1500.0	-19
Aroclor-1260 Peak # 2	B	20.000	**37**	50.000	16	100.00	5	250.00	4	500.00	-1	749.91	-6	1000.0	-14	1500.0	-20
Aroclor-1260 Peak # 3	B	20.000	**29**	50.000	12	100.00	5	250.00	4	500.00	-1	749.91	-5	1000.0	-12	1500.0	-17
Aroclor-1260 Peak # 4	B	20.000	**26**	50.000	17	100.00	8	250.00	1	500.00	1	749.91	-1	1000.0	-14	1500.0	-19
Aroclor-1260 Peak # 5	B	20.000	**29**	50.000	13	100.00	4	250.00	4	500.00	0	749.91	-4	1000.0	-12	1500.0	-17
Decachlorobiphenyl (PCB)	B	1.6000	**28**	4.0000	11	8.0000	3	20.000	6	40.000	1	59.993	-3	80.000	-12	120.00	-18
TCMX (PCB)	B	1.6000	**25**	4.0000	8	8.0000	3	20.000	-2	40.000	-3	59.993	-4	80.000	-8	120.00	-10

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_092322_1
Calibration #:	212383934001	Date:	23-SEP-2022 14:54
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	3
Aroclor-1016 Peak # 2	A	2000.0	8
Aroclor-1016 Peak # 3	A	2000.0	**26**
Aroclor-1016 Peak # 4	A	2000.0	19
Aroclor-1016 Peak # 5	A	2000.0	19
Aroclor-1260 Peak # 1	A	2000.0	**22**
Aroclor-1260 Peak # 2	A	2000.0	**24**
Aroclor-1260 Peak # 3	A	2000.0	**29**
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A		
Decachlorobiphenyl (PCB)	A		
TCMX (PCB)	A	160.00	**28**
Aroclor-1016 Peak # 1	B	2000.0	**-21**
Aroclor-1016 Peak # 2	B	2000.0	**-21**
Aroclor-1016 Peak # 3	B	2000.0	-15
Aroclor-1016 Peak # 4	B	2000.0	-17
Aroclor-1016 Peak # 5	B	2000.0	-18
Aroclor-1260 Peak # 1	B	2000.0	-20
Aroclor-1260 Peak # 2	B	2000.0	-20
Aroclor-1260 Peak # 3	B	2000.0	-16
Aroclor-1260 Peak # 4	B	2000.0	-19
Aroclor-1260 Peak # 5	B	2000.0	-16
Decachlorobiphenyl (PCB)	B	160.00	-17
TCMX (PCB)	B	160.00	-9

TRN 09/26/22 : Manually integrated peaks for coeluting, and negative/positive baseline on both channel and on multiple levels

Analyst: TRN 09/26/22

Reviewer: LW 09/26/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 469273 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02	Name:	PCB_092322_1
Calnum:	212383934001	Cal Date:	23-SEP-2022

- ICV 212383934025 (gc02_092322-025 23-SEP-2022) stds: S17274

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	491.0	ug/L	-2	15	
Aroclor-1260	A	500.0	540.5	ug/L	8	15	
Aroclor-1016	B	500.0	489.2	ug/L	-2	15	
Aroclor-1260	B	500.0	511.0	ug/L	2	15	

-

Analyst: TRN 09/26/22 **Reviewer:** LW 09/26/22

ENTHALPY CONTINUING CALIBRATION FOR 469273 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02			IDF:	1.0
Seqnum:	212379627008.1	File:	gc02_092022-008	Time:	20-SEP-2022 15:07
Cal:	212360956002	Caldate:	07-SEP-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	431.9	ug/L	-14	15	0.0000	
Aroclor-1260	A			500.0	441.6	ug/L	-12	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1908	1.8415	20.00	30.93	ug/L	**55**	15	0.0000	c+
TCMX (PCB)	A	0.9461	1.4763	20.00	31.21	ug/L	**56**	15	0.0000	c+
Aroclor-1016	B			500.0	446.0	ug/L	-11	15	0.0000	
Aroclor-1260	B			500.0	467.6	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1975	2.0134	20.00	33.63	ug/L	**68**	15	0.0000	c+
TCMX (PCB)	B	1.0387	1.6131	20.00	31.06	ug/L	**55**	15	0.0000	c+

ISTD (ICAL gc02_090722-064)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5182277	5202550	0.39
1-bromo-2-nitrobenzene (PCB)	A	111745233	156453134	40.01

TJW 09/21/22 : Manually integrated due to baseline corrections for Ch. A

TRN 09/26/22 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

+=high bias c=CCV

Reviewed By: TJW 09/21/22 *, TRN 09/26/22 *, SLL 09/26/22

ENTHALPY CONTINUING CALIBRATION FOR 469273 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02			IDF:	1.0
Seqnum:	212382352004	File:	gc02_092222-004	Time:	22-SEP-2022 13:08
Cal:	212360956002	Caldate:	07-SEP-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	424.3	ug/L	-15	15	0.0000	
Aroclor-1260	A			500.0	442.8	ug/L	-11	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1908	2.2880	20.00	38.43	ug/L	**92**	15	0.0000	c+
TCMX (PCB)	A	0.9461	1.8368	20.00	38.83	ug/L	**94**	15	0.0000	c+
Aroclor-1016	B			500.0	447.2	ug/L	-11	15	0.0000	
Aroclor-1260	B			500.0	479.6	ug/L	-4	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1975	2.3200	20.00	38.75	ug/L	**94**	15	0.0000	c+
TCMX (PCB)	B	1.0387	1.9339	20.00	37.24	ug/L	**86**	15	0.0000	c+

ISTD (ICAL gc02_090722-064)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5182277	5891658	13.69
1-bromo-2-nitrobenzene (PCB)	A	111745233	188314132	68.52

TRN 09/22/22 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

+=high bias c=CCV

Analyst: TRN 09/22/22 **Reviewer:** LW 09/23/22

ENTHALPY CONTINUING CALIBRATION FOR 469273 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02			IDF:	1.0
Seqnum:	212383934038	File:	gc02_092322-038	Time:	23-SEP-2022 21:26
Cal:	212383934001	Caldate:	23-SEP-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	486.1	ug/L	-3	15	0.0000	
Aroclor-1260	A			500.0	516.9	ug/L	3	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1599	2.6721	20.00	46.08	ug/L	**130**	15	0.0000	c+
TCMX (PCB)	A	0.9704	1.9447	20.00	40.08	ug/L	**100**	15	0.0000	c+
Aroclor-1016	B			500.0	497.7	ug/L	0	15	0.0000	
Aroclor-1260	B			500.0	516.3	ug/L	3	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2920	2.7595	20.00	42.72	ug/L	**114**	15	0.0000	c+
TCMX (PCB)	B	1.0384	2.0281	20.00	39.06	ug/L	**95**	15	0.0000	c+

ISTD (ICAL gc02_092322-016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5214365	6643719	27.41
1-bromo-2-nitrobenzene (PCB)	A	156103000	215524364	38.07

TRN 09/26/22 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

+=high bias c=CCV

Analyst: TRN 09/26/22 *

Reviewer: SLL 09/26/22

Enthalpy Internal Standard Summary for Sequence 212379627

Date:	09/20/22	Reference:	gc02_090722-064
Sequence:	SVOA-GC02 gc02_092022-	Analyzed:	09/07/22 22:03

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	5182277	111745233
		LOWER LIMIT	2591139	55872617
		UPPER LIMIT	10364554	223490467
008	CCV		5202550	156453134

Enthalpy Internal Standard Summary for Sequence 212379627

Date:	09/20/22	Reference:	gc02_092022-008
Sequence:	SVOA-GC02 gc02_092022-	Analyzed:	09/20/22 15:07

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	5202550	156453134
		LOWER LIMIT	2601275	78226567
		UPPER LIMIT	10405099	312906268
013	BLANK	QC1014012	6784016	190822000
014	BS	QC1014013	6730009	188397873
015	BSD	QC1014014	6618907	184607461
016	SAMPLE	469270-001	6665160	202864798
017	SAMPLE	469270-003	6518349	188771535
018	SAMPLE	469270-005	6642804	189073359
019	SAMPLE	469270-007	6787487	202252017
020	SAMPLE	469270-008	5915208	161991700
021	SAMPLE	469270-010	6399737	177177360
022	SAMPLE	469270-012	6957374	194346057
023	SAMPLE	469270-014	6648940	183429396
024	SAMPLE	469270-016	7055471	198456860
025	SAMPLE	469270-018	6744984	186249064
026	SAMPLE	469270-020	6982289	194889922
027	SAMPLE	469270-022	6971794	200424682
028	SAMPLE	469270-027	6674340	189620989
029	SAMPLE	469273-001	7018927	196661110
030	SAMPLE	469273-003	7184965	200967458
031	SAMPLE	469273-004	7062930	201466086
032	SAMPLE	469273-006	7060474	201139041
033	SAMPLE	469273-009	6774594	192311102
034	SAMPLE	469273-011	7013368	202198236
035	SAMPLE	469273-013	6941021	192120516

Enthalpy Internal Standard Summary for Sequence 212379627

Date:	09/20/22	Reference:	gc02_092022-008
Sequence:	SVOA-GC02 gc02_092022-	Analyzed:	09/20/22 15:07

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.03	3.85
		LOWER LIMIT	3.83	3.65
		UPPER LIMIT	4.23	4.05
013	BLANK	QC1014012	4.03	3.85
014	BS	QC1014013	4.03	3.85
015	BSD	QC1014014	4.03	3.85
016	SAMPLE	469270-001	4.03	3.85
017	SAMPLE	469270-003	4.03	3.85
018	SAMPLE	469270-005	4.03	3.85
019	SAMPLE	469270-007	4.03	3.85
020	SAMPLE	469270-008	4.03	3.85
021	SAMPLE	469270-010	4.03	3.85
022	SAMPLE	469270-012	4.03	3.85
023	SAMPLE	469270-014	4.03	3.85
024	SAMPLE	469270-016	4.03	3.85
025	SAMPLE	469270-018	4.03	3.85
026	SAMPLE	469270-020	4.03	3.85
027	SAMPLE	469270-022	4.03	3.85
028	SAMPLE	469270-027	4.03	3.85
029	SAMPLE	469273-001	4.03	3.85
030	SAMPLE	469273-003	4.03	3.85
031	SAMPLE	469273-004	4.03	3.85
032	SAMPLE	469273-006	4.03	3.85
033	SAMPLE	469273-009	4.03	3.85
034	SAMPLE	469273-011	4.03	3.85
035	SAMPLE	469273-013	4.03	3.85

Enthalpy Internal Standard Summary for Sequence 212382352

Date:	09/22/22	Reference:	gc02_090722-064
Sequence:	SVOA-GC02 gc02_092222-	Analyzed:	09/07/22 22:03

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	5182277	111745233
		LOWER LIMIT	2591139	55872617
		UPPER LIMIT	10364554	223490467
004	CCV		5891658	188314132

Enthalpy Internal Standard Summary for Sequence 212382352

Date:	09/22/22	Reference:	gc02_092222-004
Sequence:	SVOA-GC02 gc02_092222-	Analyzed:	09/22/22 13:08

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	5891658	188314132
		LOWER LIMIT	2945829	94157066
		UPPER LIMIT	11783316	376628263
007	SAMPLE	469292-006	7111301	243294644
026	BLANK	QC1014524	7175670	149152808
026	BLANK	QC1014524	7175670	149152808
029	BS	QC1014528	6619944	207140397
030	BSD	QC1014529	6370222	211701019
031	BLANK	QC1014724	7112450	248158158
031	BLANK	QC1014724	7112450	248158158
032	BLANK	QC1014725	6077826	212972971
032	BLANK	QC1014725	6077826	212972971
035	SAMPLE	469296-001	9848433	249952721
035	SAMPLE	469296-001	9848433	249952721
037	SAMPLE	469296-002	8759039	325849815
037	SAMPLE	469296-002	8759039	325849815
038	SAMPLE	469341-002	7465349	287524601
038	SAMPLE	469341-002	7465349	287524601
039	BLANK	QC1014266	5538720	173625695
040	BS	QC1014267	5784194	180701779
041	BSD	QC1014268	6639333	207580531
042	SAMPLE	469257-001	7886991	213859350
043	SAMPLE	469257-003	6252258	191284390

Enthalpy Internal Standard Summary for Sequence 212382352

Date: 09/22/22 Reference: gc02_092222-004
Sequence: SVOA-GC02 gc02_092222- Analyzed: 09/22/22 13:08

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.05	3.86
		LOWER LIMIT	3.85	3.66
		UPPER LIMIT	4.25	4.06
007	SAMPLE	469292-006	4.05	3.86
026	BLANK	QC1014524	4.05	3.86
029	BS	QC1014528	4.05	3.86
030	BSD	QC1014529	4.05	3.86
031	BLANK	QC1014724	4.05	3.86
032	BLANK	QC1014725	4.05	3.86
035	SAMPLE	469296-001	4.05	3.86
037	SAMPLE	469296-002	4.05	3.86
038	SAMPLE	469341-002	4.05	3.86
039	BLANK	QC1014266	4.05	3.86
040	BS	QC1014267	4.05	3.86
041	BSD	QC1014268	4.05	3.86
042	SAMPLE	469257-001	4.05	3.86
043	SAMPLE	469257-003	4.05	3.86

Enthalpy Internal Standard Summary for Sequence 212383934

Date:	09/23/22	Reference:	gc02_092322-016
Sequence:	SVOA-GC02 gc02_092322-	Analyzed:	09/23/22 15:12

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	5214365	156103000
		LOWER LIMIT	2607183	78051500
		UPPER LIMIT	10428730	312206000
038	CCV		6643719	215524364

Enthalpy Internal Standard Summary for Sequence 212383934

Date: 09/23/22 Reference: gc02_092322-038
Sequence: SVOA-GC02 gc02_092322- Analyzed: 09/23/22 21:26

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	6643719	215524364
		LOWER LIMIT	3321859	107762182
		UPPER LIMIT	13287437	431048728
045	SAMPLE	469257-005	7240453	156134257
046	SAMPLE	469257-007	7422937	177274225
047	SAMPLE	469257-008	6161549	159152341
048	SAMPLE	469257-010	7180109	166590941
049	SAMPLE	469257-011	5216248	123692939
050	SAMPLE	469257-013	5965865	138248389
051	SAMPLE	469257-015	5427036	111047791
052	SAMPLE	469257-017	4956891	114767403
053	SAMPLE	469257-019	4012471	99056957 *
054	SAMPLE	469257-021	4519577	112600326
055	SAMPLE	469257-023	4740674	112577184
056	SAMPLE	469257-026	4581972	113062460
057	SAMPLE	469257-028	4242463	101417136 *
058	SAMPLE	469273-015	4928662	118416628
059	SAMPLE	469273-016	4593277	105275639 *
060	SAMPLE	469273-018	5212470	124892766
061	SAMPLE	469273-020	5229200	124511841
062	SAMPLE	469273-022	6011806	145553027
063	BLANK	QC1014269	23357301 *	877693628 *
064	BS	QC1014270	20932081 *	703340483 *
065	BSD	QC1014271	13450062 *	453995885 *
066	SAMPLE	469257-031	4656268	109446692
067	SAMPLE	469257-033	13963239 *	307829094
068	SAMPLE	469257-035	10739831	244564635
069	SAMPLE	469257-037	4353600	99114185 *
070	SAMPLE	469257-039	4702301	119581943
071	SAMPLE	469257-041	13323752 *	370387300
072	SAMPLE	469257-043	8409455	222586519

Enthalpy Internal Standard Summary for Sequence 212383934

Date: 09/23/22 Reference: gc02_092322-038
Sequence: SVOA-GC02 gc02_092322- Analyzed: 09/23/22 21:26

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.13	3.95
		LOWER LIMIT	3.93	3.75
		UPPER LIMIT	4.33	4.15
045	SAMPLE	469257-005	4.13	3.95
046	SAMPLE	469257-007	4.13	3.95
047	SAMPLE	469257-008	4.13	3.95
048	SAMPLE	469257-010	4.13	3.95
049	SAMPLE	469257-011	4.13	3.95
050	SAMPLE	469257-013	4.13	3.95
051	SAMPLE	469257-015	4.13	3.95
052	SAMPLE	469257-017	4.13	3.95
053	SAMPLE	469257-019	4.13	3.95
054	SAMPLE	469257-021	4.13	3.95
055	SAMPLE	469257-023	4.13	3.95
056	SAMPLE	469257-026	4.13	3.95
057	SAMPLE	469257-028	4.13	3.95
058	SAMPLE	469273-015	4.13	3.95
059	SAMPLE	469273-016	4.13	3.95
060	SAMPLE	469273-018	4.13	3.95
061	SAMPLE	469273-020	4.13	3.95
062	SAMPLE	469273-022	4.13	3.95
063	BLANK	QC1014269	4.13	3.95
064	BS	QC1014270	4.13	3.95
065	BSD	QC1014271	4.13	3.95
066	SAMPLE	469257-031	4.13	3.95
067	SAMPLE	469257-033	4.13	3.95
068	SAMPLE	469257-035	4.13	3.95
069	SAMPLE	469257-037	4.13	3.95
070	SAMPLE	469257-039	4.13	3.95
071	SAMPLE	469257-041	4.13	3.95
072	SAMPLE	469257-043	4.13	3.95

Enthalpy Sequence Summary for Sequence 212360956

Instrument: SVOA-GC02 Begun: 09/07/22 15:56

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
012	gc02_090722-012	PEM				09/07/22 15:56	1.0	1
014	gc02_090722-014	CCV				09/07/22 16:32	1.0	2
051	gc02_090722-051	ICAL				09/07/22 18:12	1.0	3
052	gc02_090722-052	ICAL				09/07/22 18:30	1.0	4
053	gc02_090722-053	ICAL				09/07/22 18:48	1.0	5
054	gc02_090722-054	ICAL				09/07/22 19:06	1.0	6
055	gc02_090722-055	ICAL				09/07/22 19:23	1.0	7
056	gc02_090722-056	ICAL				09/07/22 19:41	1.0	8
057	gc02_090722-057	ICAL				09/07/22 19:59	1.0	9
058	gc02_090722-058	ICAL				09/07/22 20:17	1.0	10
060	gc02_090722-060	ICV				09/07/22 20:52	1.0	11
063	gc02_090722-063	ICAL				09/07/22 21:46	1.0	12
064	gc02_090722-064	ICAL				09/07/22 22:03	1.0	13
065	gc02_090722-065	ICAL				09/07/22 22:21	1.0	14
066	gc02_090722-066	ICAL				09/07/22 22:39	1.0	15
067	gc02_090722-067	ICAL				09/07/22 22:57	1.0	16
068	gc02_090722-068	ICAL				09/07/22 23:15	1.0	17
069	gc02_090722-069	ICAL				09/07/22 23:32	1.0	18
070	gc02_090722-070	ICAL				09/07/22 23:50	1.0	19
071	gc02_090722-071	ICAL				09/08/22 00:08	1.0	20
073	gc02_090722-073	ICV				09/08/22 00:44	1.0	21

TRN 09/08/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 012 through 014.

TRN 09/08/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 051 through 73.

Standards Used:

1=S17018 2=S17019 3=S17239 4=S17240 5=S17241 6=S17242 7=S17243 8=S17244 9=S17245 10=S17246 11=S17235 12=S17263 13=S17264 14=S17265 15=S17266 16=S17267 17=S17268 18=S17269 19=S17270 20=S17271 21=S17274

Enthalpy Sequence Summary for Sequence 212379627

Instrument: SVOA-GC02 Begun: 09/20/22 15:07
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
008	gc02_092022-008	CCV				09/20/22 15:07	1.0	1
013	gc02_092022-013	BLANK	QC1014012	Wipe	297328	09/20/22 17:06	1.0	2
014	gc02_092022-014	BS	QC1014013	Wipe	297328	09/20/22 17:24	1.0	2
015	gc02_092022-015	BSD	QC1014014	Wipe	297328	09/20/22 17:42	1.0	2
016	gc02_092022-016	SAMPLE	469270-001	Wipe	297328	09/20/22 18:00	1.0	2
017	gc02_092022-017	SAMPLE	469270-003	Wipe	297328	09/20/22 18:18	1.0	2
018	gc02_092022-018	SAMPLE	469270-005	Wipe	297328	09/20/22 18:35	1.0	2
019	gc02_092022-019	SAMPLE	469270-007	Wipe	297328	09/20/22 18:53	1.0	2
020	gc02_092022-020	SAMPLE	469270-008	Wipe	297328	09/20/22 19:11	1.0	2
021	gc02_092022-021	SAMPLE	469270-010	Wipe	297328	09/20/22 19:29	1.0	2
022	gc02_092022-022	SAMPLE	469270-012	Wipe	297328	09/20/22 19:47	1.0	2
023	gc02_092022-023	SAMPLE	469270-014	Wipe	297328	09/20/22 20:04	1.0	2
024	gc02_092022-024	SAMPLE	469270-016	Wipe	297328	09/20/22 20:22	1.0	2
025	gc02_092022-025	SAMPLE	469270-018	Wipe	297328	09/20/22 20:40	1.0	2
026	gc02_092022-026	SAMPLE	469270-020	Wipe	297328	09/20/22 20:58	1.0	2
027	gc02_092022-027	SAMPLE	469270-022	Wipe	297328	09/20/22 21:16	1.0	2
028	gc02_092022-028	SAMPLE	469270-027	Wipe	297328	09/20/22 21:33	1.0	2
029	gc02_092022-029	SAMPLE	469273-001	Wipe	297328	09/20/22 21:51	1.0	2
030	gc02_092022-030	SAMPLE	469273-003	Wipe	297328	09/20/22 22:09	1.0	2
031	gc02_092022-031	SAMPLE	469273-004	Wipe	297328	09/20/22 22:27	1.0	2
032	gc02_092022-032	SAMPLE	469273-006	Wipe	297328	09/20/22 22:44	1.0	2
033	gc02_092022-033	SAMPLE	469273-009	Wipe	297328	09/20/22 23:02	1.0	2
034	gc02_092022-034	SAMPLE	469273-011	Wipe	297328	09/20/22 23:20	1.0	2
035	gc02_092022-035	SAMPLE	469273-013	Wipe	297328	09/20/22 23:38	1.0	2

TJW 09/21/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 8 through 35.

Standards Used:
1=S17055 2=S16725

Instrument: SVOA-GC02 Begun: 09/22/22 12:32
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc02_092222-002	PEM				09/22/22 12:32	1.0	1	
003	gc02_092222-003	CCV				09/22/22 12:50	1.0	2	
004	gc02_092222-004	CCV				09/22/22 13:08	1.0	3	
006	gc02_092222-006	ICAL				09/22/22 13:53	1.0	4	
007	gc02_092222-007	SAMPLE	469292-006	Miscell.	297407	09/22/22 14:11	10.0	5	
017	gc02_092222-017	SAMPLE	467833-060	Soil	297383	09/22/22 17:10	10.0	5	sh
018	gc02_092222-018	SAMPLE	467833-061	Soil	297383	09/22/22 17:28	10.0	5	sh
019	gc02_092222-019	SAMPLE	467833-063	Soil	297383	09/22/22 17:46	10.0	5	sh , 1:DIELDRIN=2400
020	gc02_092222-020	SAMPLE	467833-064	Soil	297383	09/22/22 18:03	10.0	5	sh
021	gc02_092222-021	SAMPLE	467841-021	Soil	297383	09/22/22 18:21	10.0	5	sh
022	gc02_092222-022	SAMPLE	467841-023	Soil	297383	09/22/22 18:39	10.0	5	sh , 2:CHLORDANE#2=20000
023	gc02_092222-023	SAMPLE	467841-024	Soil	297383	09/22/22 18:57	10.0	5	sh
024	gc02_092222-024	SAMPLE	467841-025	Soil	297383	09/22/22 19:15	10.0	5	sh
025	gc02_092222-025	SAMPLE	467841-026	Soil	297383	09/22/22 19:32	10.0	5	sh
026	gc02_092222-026	BLANK	QC1014524	Water	297496	09/22/22 19:50	1.0	5	
027	gc02_092222-027	BS	QC1014526	Water	297496	09/22/22 20:08	1.0	5	
028	gc02_092222-028	BSD	QC1014527	Water	297496	09/22/22 20:26	1.0	5	
029	gc02_092222-029	BS	QC1014528	Water	297496	09/22/22 20:44	1.0	5	
030	gc02_092222-030	BSD	QC1014529	Water	297496	09/22/22 21:01	1.0	5	
031	gc02_092222-031	BLANK	QC1014724	TCLP Leachate	297496	09/22/22 21:19	1.0	5	
032	gc02_092222-032	BLANK	QC1014725	WET Leachate	297496	09/22/22 21:37	1.0	5	
033	gc02_092222-033	SAMPLE	469344-001	TCLP Leachate	297496	09/22/22 21:55	1.0	5	
034	gc02_092222-034	SAMPLE	469296-001	TCLP Leachate	297496	09/22/22 22:13	1.0	6	
035	gc02_092222-035	SAMPLE	469296-001	WET Leachate	297496	09/22/22 22:30	1.0	6	
036	gc02_092222-036	SAMPLE	469296-002	TCLP Leachate	297496	09/22/22 22:48	1.0	6	
037	gc02_092222-037	SAMPLE	469296-002	WET Leachate	297496	09/22/22 23:06	1.0	6	

Enthalpy Sequence Summary for Sequence 212382352

Instrument: SVOA-GC02 Begun: 09/22/22 12:32
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
038	gc02_092222-038	SAMPLE	469341-002	Water	297496	09/22/22 23:24	1.0	5	
039	gc02_092222-039	BLANK	QC1014266	Wipe	297417	09/22/22 23:41	1.0	5	
040	gc02_092222-040	BS	QC1014267	Wipe	297417	09/22/22 23:59	1.0	5	
041	gc02_092222-041	BSD	QC1014268	Wipe	297417	09/23/22 00:17	1.0	5	
042	gc02_092222-042	SAMPLE	469257-001	Wipe	297417	09/23/22 00:35	1.0	5	
043	gc02_092222-043	SAMPLE	469257-003	Wipe	297417	09/23/22 00:53	1.0	5	
062	gc02_092222-062	XCCV				09/23/22 06:30	1.0	3	

TRN 09/23/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 43.

sh=out of sample hold

Standards Used:
1=S17018 2=S17019 3=S17055 4=S17011 5=S16725 6=S17010

Enthalpy Sequence Summary for Sequence 212383934

Instrument: SVOA-GC02 Begun: 09/23/22 14:54
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
015	gc02_092322-015	ICAL				09/23/22 14:54	1.0	1
016	gc02_092322-016	ICAL				09/23/22 15:12	1.0	2
017	gc02_092322-017	ICAL				09/23/22 15:30	1.0	3
018	gc02_092322-018	ICAL				09/23/22 15:48	1.0	4
019	gc02_092322-019	ICAL				09/23/22 16:06	1.0	5
020	gc02_092322-020	ICAL				09/23/22 16:24	1.0	6
021	gc02_092322-021	ICAL				09/23/22 16:42	1.0	7
022	gc02_092322-022	ICAL				09/23/22 16:59	1.0	8
023	gc02_092322-023	ICAL				09/23/22 17:17	1.0	9
025	gc02_092322-025	ICV				09/23/22 17:35	1.0	10
038	gc02_092322-038	CCV				09/23/22 21:26	1.0	11
045	gc02_092322-045	SAMPLE	469257-005	Wipe	297417	09/23/22 23:31	1.0	12
046	gc02_092322-046	SAMPLE	469257-007	Wipe	297417	09/23/22 23:49	1.0	12
047	gc02_092322-047	SAMPLE	469257-008	Wipe	297417	09/24/22 00:07	1.0	12
048	gc02_092322-048	SAMPLE	469257-010	Wipe	297417	09/24/22 00:24	1.0	12
049	gc02_092322-049	SAMPLE	469257-011	Wipe	297417	09/24/22 00:42	1.0	12
050	gc02_092322-050	SAMPLE	469257-013	Wipe	297417	09/24/22 01:00	1.0	12
051	gc02_092322-051	SAMPLE	469257-015	Wipe	297417	09/24/22 01:18	1.0	12
052	gc02_092322-052	SAMPLE	469257-017	Wipe	297417	09/24/22 01:36	1.0	12
053	gc02_092322-053	SAMPLE	469257-019	Wipe	297417	09/24/22 01:53	1.0	12
054	gc02_092322-054	SAMPLE	469257-021	Wipe	297417	09/24/22 02:11	1.0	12
055	gc02_092322-055	SAMPLE	469257-023	Wipe	297417	09/24/22 02:29	1.0	12
056	gc02_092322-056	SAMPLE	469257-026	Wipe	297417	09/24/22 02:47	1.0	12
057	gc02_092322-057	SAMPLE	469257-028	Wipe	297417	09/24/22 03:04	1.0	12
058	gc02_092322-058	SAMPLE	469273-015	Wipe	297417	09/24/22 03:22	1.0	12
059	gc02_092322-059	SAMPLE	469273-016	Wipe	297417	09/24/22 03:40	1.0	12
060	gc02_092322-060	SAMPLE	469273-018	Wipe	297417	09/24/22 03:58	1.0	12
061	gc02_092322-061	SAMPLE	469273-020	Wipe	297417	09/24/22 04:15	1.0	12
062	gc02_092322-062	SAMPLE	469273-022	Wipe	297417	09/24/22 04:33	1.0	12
063	gc02_092322-063	BLANK	QC1014269	Wipe	297418	09/24/22 04:51	1.0	12
064	gc02_092322-064	BS	QC1014270	Wipe	297418	09/24/22 05:09	1.0	12
065	gc02_092322-065	BSD	QC1014271	Wipe	297418	09/24/22 05:26	1.0	12
066	gc02_092322-066	SAMPLE	469257-031	Wipe	297418	09/24/22 05:44	1.0	12
067	gc02_092322-067	SAMPLE	469257-033	Wipe	297418	09/24/22 06:02	1.0	12
068	gc02_092322-068	SAMPLE	469257-035	Wipe	297418	09/24/22 06:20	1.0	12
069	gc02_092322-069	SAMPLE	469257-037	Wipe	297418	09/24/22 06:37	1.0	12
070	gc02_092322-070	SAMPLE	469257-039	Wipe	297418	09/24/22 06:55	1.0	12
071	gc02_092322-071	SAMPLE	469257-041	Wipe	297418	09/24/22 07:13	1.0	12
072	gc02_092322-072	SAMPLE	469257-043	Wipe	297418	09/24/22 07:31	1.0	12

TRN 09/26/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 15 through 72.

Standards Used:
1=S17263 2=S17264 3=S17265 4=S17266 5=S17267 6=S17268 7=S17269 8=S17270 9=S17271 10=S17274 11=S17055 12=S16725

SAMPLE PREPARATION SUMMARY

Batch # : 297328 Analysis : 8080
Started By : EPL Prep Date : 20-SEP-2022 09:23 Finished By : EPL
Method : 3572M Units : dm2
Spike #1 ID : S17324 Spike #2 ID : S17295

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
469270-001		Wipe	1	20	1	20.0		1				PCB	
469270-003		Wipe	1	20	1	20.0		1				PCB	
469270-005		Wipe	1	20	1	20.0		1				PCB	
469270-007		Wipe	1	20	1	20.0		1				PCB	
469270-008		Wipe	1	20	1	20.0		1				PCB	
469270-010		Wipe	1	20	1	20.0		1				PCB	
469270-012		Wipe	1	20	1	20.0		1				PCB	
469270-014		Wipe	1	20	1	20.0		1				PCB	
469270-016		Wipe	1	20	1	20.0		1				PCB	
469270-018		Wipe	1	20	1	20.0		1				PCB	
469270-020		Wipe	1	20	1	20.0		1				PCB	
469270-022		Wipe	1	20	1	20.0		1				PCB	
469270-027		Wipe	1	20	1	20.0		1				PCB	
469273-001		Wipe	1	20	1	20.0		1				PCB	
469273-003		Wipe	1	20	1	20.0		1				PCB	
469273-004		Wipe	1	20	1	20.0		1				PCB	
469273-006		Wipe	1	20	1	20.0		1				PCB	
469273-009		Wipe	1	20	1	20.0		1				PCB	
469273-011		Wipe	1	20	1	20.0		1				PCB	
469273-013		Wipe	1	20	1	20.0		1				PCB	
QC1014012	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1014013	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1014014	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 09/26/22 : Fix above

TJW: 09/21/22 TRN: 09/26/22 SLL: 09/26/22

8081/8082 Prep Log

Date/Time: 9/20/22 9:23 Initials: EPL

608 QC Batch#:

3572M 1-6-23 MAG

8081 QC Batch #:

Matrix: WIPE Prep Method: ~~3580~~ Balance ID: N/A

8082 QC Batch #: 297328

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 dm²	N/A	SH3	N/A	10.0			500 µL SURROGATE
LCS		↓	↓	↓	↓	↓			↓
LCSD						↓			
469270-001	A					20.0			
-003	A								
-005	A								
-007	A								
-008	A								
-010	A								
-012	A								
-014	A								
-016	A								
-018	A								
-020	A								
-022	A								
-027	A								
469273-001	A								
-003	A								
-004	A								
-006	A								
-009	A								
-011	A								
-013	A	↓	↓	↓	↓	↓			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 222771

Acetone-Hexane Mix ID:

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: S17324 Volume: 1000 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: S17295 Volume: 1000 5C EL µL

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: N/A Volume: N/A µL

SAMPLE PREPARATION SUMMARY

Batch # : 297417 Analysis : 8080
Started By : EPL Prep Date : 21-SEP-2022 09:48 Finished By : EPL
Method : 3572M Units : dm2
Spike #1 ID : S17324 Spike #2 ID : S17295

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
469257-001		Wipe	1	20	1	20.0		1				PCB	
469257-003		Wipe	1	20	1	20.0		1				PCB	
469257-005		Wipe	1	20	1	20.0		1				PCB	
469257-007		Wipe	1	20	1	20.0		1				PCB	
469257-008		Wipe	1	20	1	20.0		1				PCB	
469257-010		Wipe	1	20	1	20.0		1				PCB	
469257-011		Wipe	1	20	1	20.0		1				PCB	
469257-013		Wipe	1	20	1	20.0		1				PCB	
469257-015		Wipe	1	20	1	20.0		1				PCB	
469257-017		Wipe	1	20	1	20.0		1				PCB	
469257-019		Wipe	1	20	1	20.0		1				PCB	
469257-021		Wipe	1	20	1	20.0		1				PCB	
469257-023		Wipe	1	20	1	20.0		1				PCB	
469257-026		Wipe	1	20	1	20.0		1				PCB	
469257-028		Wipe	1	20	1	20.0		1				PCB	
469273-015		Wipe	1	20	1	20.0		1				PCB	
469273-016		Wipe	1	20	1	20.0		1				PCB	
469273-018		Wipe	1	20	1	20.0		1				PCB	
469273-020		Wipe	1	20	1	20.0		1				PCB	
469273-022		Wipe	1	20	1	20.0		1				PCB	
QC1014266	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1014267	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1014268	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 09/26/22 : BS/D verify the batch

Analyst: TRN Date: 09/26/22 Reviewer: SLL Date: 09/26/22

8081/8082 Prep Log

Date/Time: 9/21/22 9:48 Initials: EPL

3572M 1-6-23 MAG

608 QC Batch#:

8081 QC Batch #:

Matrix: HIPE Prep Method: ~~3540~~ Balance ID: N/A

8082 QC Batch #: 297417

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		dm²	N/A	JH3	N/A	10.0			500µL SURROGATE
LCS						↓			↓
LCSD									
469273-015	A					20.0			
-016	A								
-018	A								
-020	A								
-022	A								
469257-001	A								
-003	A								
-005	A								
-007	A								
-008	A								
-010	A								
-011	A								
-013	A								
-015	A								
-017	A								
-019	A								
-021	A								
-023	A								
-026	A								
-028	A	↓	↓	↓	↓	↓			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 222771

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: S17334 Volume: 1000

Pest LCS Spike ID: N/A Volume: N/A

PCB LCS Spike ID: S17295 Volume: 500

Pest MS/MSD Spike ID: N/A Volume: N/A

PCB MS/MSD Spike ID: N/A Volume: N/A

REPORTING SUMMARY FOR 469273 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
469273-001	Aroclor-1016	SVOA-GC02	B	09/20/22 21:51
469273-001	Aroclor-1221	SVOA-GC02	B	09/20/22 21:51
469273-001	Aroclor-1232	SVOA-GC02	B	09/20/22 21:51
469273-001	Aroclor-1242	SVOA-GC02	B	09/20/22 21:51
469273-001	Aroclor-1248	SVOA-GC02	B	09/20/22 21:51
469273-001	Aroclor-1254	SVOA-GC02	B	09/20/22 21:51
469273-001	Aroclor-1260	SVOA-GC02	B	09/20/22 21:51
469273-001	Aroclor-1262	SVOA-GC02	B	09/20/22 21:51
469273-001	Aroclor-1268	SVOA-GC02	B	09/20/22 21:51
469273-001	TCMX (PCB)	SVOA-GC02	B	09/20/22 21:51
469273-001	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/20/22 21:51
469273-003	Aroclor-1016	SVOA-GC02	B	09/20/22 22:09
469273-003	Aroclor-1221	SVOA-GC02	B	09/20/22 22:09
469273-003	Aroclor-1232	SVOA-GC02	B	09/20/22 22:09
469273-003	Aroclor-1242	SVOA-GC02	B	09/20/22 22:09
469273-003	Aroclor-1248	SVOA-GC02	B	09/20/22 22:09
469273-003	Aroclor-1254	SVOA-GC02	B	09/20/22 22:09
469273-003	Aroclor-1260	SVOA-GC02	B	09/20/22 22:09
469273-003	Aroclor-1262	SVOA-GC02	B	09/20/22 22:09
469273-003	Aroclor-1268	SVOA-GC02	B	09/20/22 22:09
469273-003	TCMX (PCB)	SVOA-GC02	B	09/20/22 22:09
469273-003	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/20/22 22:09
469273-004	Aroclor-1016	SVOA-GC02	B	09/20/22 22:27
469273-004	Aroclor-1221	SVOA-GC02	B	09/20/22 22:27
469273-004	Aroclor-1232	SVOA-GC02	B	09/20/22 22:27
469273-004	Aroclor-1242	SVOA-GC02	B	09/20/22 22:27
469273-004	Aroclor-1248	SVOA-GC02	B	09/20/22 22:27
469273-004	Aroclor-1254	SVOA-GC02	B	09/20/22 22:27
469273-004	Aroclor-1260	SVOA-GC02	B	09/20/22 22:27
469273-004	Aroclor-1262	SVOA-GC02	B	09/20/22 22:27
469273-004	Aroclor-1268	SVOA-GC02	B	09/20/22 22:27
469273-004	TCMX (PCB)	SVOA-GC02	B	09/20/22 22:27
469273-004	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/20/22 22:27
469273-006	Aroclor-1016	SVOA-GC02	B	09/20/22 22:44
469273-006	Aroclor-1221	SVOA-GC02	B	09/20/22 22:44
469273-006	Aroclor-1232	SVOA-GC02	B	09/20/22 22:44
469273-006	Aroclor-1242	SVOA-GC02	B	09/20/22 22:44
469273-006	Aroclor-1248	SVOA-GC02	B	09/20/22 22:44
469273-006	Aroclor-1254	SVOA-GC02	B	09/20/22 22:44
469273-006	Aroclor-1260	SVOA-GC02	B	09/20/22 22:44
469273-006	Aroclor-1262	SVOA-GC02	B	09/20/22 22:44
469273-006	Aroclor-1268	SVOA-GC02	B	09/20/22 22:44
469273-006	TCMX (PCB)	SVOA-GC02	B	09/20/22 22:44
469273-006	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/20/22 22:44
469273-009	Aroclor-1016	SVOA-GC02	B	09/20/22 23:02
469273-009	Aroclor-1221	SVOA-GC02	B	09/20/22 23:02
469273-009	Aroclor-1232	SVOA-GC02	B	09/20/22 23:02
469273-009	Aroclor-1242	SVOA-GC02	B	09/20/22 23:02
469273-009	Aroclor-1248	SVOA-GC02	B	09/20/22 23:02
469273-009	Aroclor-1254	SVOA-GC02	B	09/20/22 23:02

Sample ID	Analyte	Inst ID	Ch	Date & Time
469273-009	Aroclor-1260	SVOA-GC02	B	09/20/22 23:02
469273-009	Aroclor-1262	SVOA-GC02	B	09/20/22 23:02
469273-009	Aroclor-1268	SVOA-GC02	B	09/20/22 23:02
469273-009	TCMX (PCB)	SVOA-GC02	B	09/20/22 23:02
469273-009	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/20/22 23:02
469273-011	Aroclor-1016	SVOA-GC02	B	09/20/22 23:20
469273-011	Aroclor-1221	SVOA-GC02	B	09/20/22 23:20
469273-011	Aroclor-1232	SVOA-GC02	B	09/20/22 23:20
469273-011	Aroclor-1242	SVOA-GC02	B	09/20/22 23:20
469273-011	Aroclor-1248	SVOA-GC02	B	09/20/22 23:20
469273-011	Aroclor-1254	SVOA-GC02	B	09/20/22 23:20
469273-011	Aroclor-1260	SVOA-GC02	B	09/20/22 23:20
469273-011	Aroclor-1262	SVOA-GC02	B	09/20/22 23:20
469273-011	Aroclor-1268	SVOA-GC02	B	09/20/22 23:20
469273-011	TCMX (PCB)	SVOA-GC02	B	09/20/22 23:20
469273-011	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/20/22 23:20
469273-013	Aroclor-1016	SVOA-GC02	B	09/20/22 23:38
469273-013	Aroclor-1221	SVOA-GC02	B	09/20/22 23:38
469273-013	Aroclor-1232	SVOA-GC02	B	09/20/22 23:38
469273-013	Aroclor-1242	SVOA-GC02	B	09/20/22 23:38
469273-013	Aroclor-1248	SVOA-GC02	B	09/20/22 23:38
469273-013	Aroclor-1254	SVOA-GC02	B	09/20/22 23:38
469273-013	Aroclor-1260	SVOA-GC02	B	09/20/22 23:38
469273-013	Aroclor-1262	SVOA-GC02	B	09/20/22 23:38
469273-013	Aroclor-1268	SVOA-GC02	B	09/20/22 23:38
469273-013	TCMX (PCB)	SVOA-GC02	B	09/20/22 23:38
469273-013	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/20/22 23:38
469273-015	Aroclor-1016	SVOA-GC02	B	09/24/22 03:22
469273-015	Aroclor-1221	SVOA-GC02	B	09/24/22 03:22
469273-015	Aroclor-1232	SVOA-GC02	B	09/24/22 03:22
469273-015	Aroclor-1242	SVOA-GC02	B	09/24/22 03:22
469273-015	Aroclor-1248	SVOA-GC02	B	09/24/22 03:22
469273-015	Aroclor-1254	SVOA-GC02	B	09/24/22 03:22
469273-015	Aroclor-1260	SVOA-GC02	B	09/24/22 03:22
469273-015	Aroclor-1262	SVOA-GC02	B	09/24/22 03:22
469273-015	Aroclor-1268	SVOA-GC02	B	09/24/22 03:22
469273-015	TCMX (PCB)	SVOA-GC02	B	09/24/22 03:22
469273-015	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/24/22 03:22
469273-016	Aroclor-1016	SVOA-GC02	B	09/24/22 03:40
469273-016	Aroclor-1221	SVOA-GC02	B	09/24/22 03:40
469273-016	Aroclor-1232	SVOA-GC02	B	09/24/22 03:40
469273-016	Aroclor-1242	SVOA-GC02	B	09/24/22 03:40
469273-016	Aroclor-1248	SVOA-GC02	B	09/24/22 03:40
469273-016	Aroclor-1254	SVOA-GC02	B	09/24/22 03:40
469273-016	Aroclor-1260	SVOA-GC02	B	09/24/22 03:40
469273-016	Aroclor-1262	SVOA-GC02	B	09/24/22 03:40
469273-016	Aroclor-1268	SVOA-GC02	B	09/24/22 03:40
469273-016	TCMX (PCB)	SVOA-GC02	B	09/24/22 03:40
469273-016	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/24/22 03:40

Sample ID	Analyte	Inst ID	Ch	Date & Time
469273-018	Aroclor-1016	SVOA-GC02	B	09/24/22 03:58
469273-018	Aroclor-1221	SVOA-GC02	B	09/24/22 03:58
469273-018	Aroclor-1232	SVOA-GC02	B	09/24/22 03:58
469273-018	Aroclor-1242	SVOA-GC02	B	09/24/22 03:58
469273-018	Aroclor-1248	SVOA-GC02	B	09/24/22 03:58
469273-018	Aroclor-1254	SVOA-GC02	B	09/24/22 03:58
469273-018	Aroclor-1260	SVOA-GC02	B	09/24/22 03:58
469273-018	Aroclor-1262	SVOA-GC02	B	09/24/22 03:58
469273-018	Aroclor-1268	SVOA-GC02	B	09/24/22 03:58
469273-018	TCMX (PCB)	SVOA-GC02	B	09/24/22 03:58
469273-018	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/24/22 03:58
469273-020	Aroclor-1016	SVOA-GC02	B	09/24/22 04:15
469273-020	Aroclor-1221	SVOA-GC02	B	09/24/22 04:15
469273-020	Aroclor-1232	SVOA-GC02	B	09/24/22 04:15
469273-020	Aroclor-1242	SVOA-GC02	B	09/24/22 04:15
469273-020	Aroclor-1248	SVOA-GC02	B	09/24/22 04:15
469273-020	Aroclor-1254	SVOA-GC02	B	09/24/22 04:15
469273-020	Aroclor-1260	SVOA-GC02	B	09/24/22 04:15
469273-020	Aroclor-1262	SVOA-GC02	B	09/24/22 04:15
469273-020	Aroclor-1268	SVOA-GC02	B	09/24/22 04:15
469273-020	TCMX (PCB)	SVOA-GC02	B	09/24/22 04:15
469273-020	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/24/22 04:15
469273-022	Aroclor-1016	SVOA-GC02	B	09/24/22 04:33
469273-022	Aroclor-1221	SVOA-GC02	B	09/24/22 04:33
469273-022	Aroclor-1232	SVOA-GC02	B	09/24/22 04:33
469273-022	Aroclor-1242	SVOA-GC02	B	09/24/22 04:33
469273-022	Aroclor-1248	SVOA-GC02	B	09/24/22 04:33
469273-022	Aroclor-1254	SVOA-GC02	B	09/24/22 04:33
469273-022	Aroclor-1260	SVOA-GC02	B	09/24/22 04:33
469273-022	Aroclor-1262	SVOA-GC02	B	09/24/22 04:33
469273-022	Aroclor-1268	SVOA-GC02	B	09/24/22 04:33
469273-022	TCMX (PCB)	SVOA-GC02	B	09/24/22 04:33
469273-022	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/24/22 04:33
QC1014012	Aroclor-1016	SVOA-GC02	B	09/20/22 17:06
QC1014012	Aroclor-1221	SVOA-GC02	B	09/20/22 17:06
QC1014012	Aroclor-1232	SVOA-GC02	B	09/20/22 17:06
QC1014012	Aroclor-1242	SVOA-GC02	B	09/20/22 17:06
QC1014012	Aroclor-1248	SVOA-GC02	B	09/20/22 17:06
QC1014012	Aroclor-1254	SVOA-GC02	B	09/20/22 17:06
QC1014012	Aroclor-1260	SVOA-GC02	B	09/20/22 17:06
QC1014012	Aroclor-1262	SVOA-GC02	B	09/20/22 17:06
QC1014012	Aroclor-1268	SVOA-GC02	B	09/20/22 17:06
QC1014012	TCMX (PCB)	SVOA-GC02	B	09/20/22 17:06
QC1014012	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/20/22 17:06
QC1014266	Aroclor-1016	SVOA-GC02	B	09/22/22 23:41
QC1014266	Aroclor-1221	SVOA-GC02	B	09/22/22 23:41
QC1014266	Aroclor-1232	SVOA-GC02	B	09/22/22 23:41
QC1014266	Aroclor-1242	SVOA-GC02	B	09/22/22 23:41
QC1014266	Aroclor-1248	SVOA-GC02	B	09/22/22 23:41
QC1014266	Aroclor-1254	SVOA-GC02	B	09/22/22 23:41

REPORTING SUMMARY FOR 469273 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1014266	Aroclor-1260	SVOA-GC02	B	09/22/22 23:41
QC1014266	Aroclor-1262	SVOA-GC02	B	09/22/22 23:41
QC1014266	Aroclor-1268	SVOA-GC02	B	09/22/22 23:41
QC1014266	TCMX (PCB)	SVOA-GC02	B	09/22/22 23:41
QC1014266	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/22/22 23:41
QC1014013	Aroclor-1016	SVOA-GC02	B	09/20/22 17:24
QC1014013	Aroclor-1260	SVOA-GC02	B	09/20/22 17:24
QC1014013	TCMX (PCB)	SVOA-GC02	B	09/20/22 17:24
QC1014013	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/20/22 17:24
QC1014014	Aroclor-1016	SVOA-GC02	B	09/20/22 17:42
QC1014014	Aroclor-1260	SVOA-GC02	B	09/20/22 17:42
QC1014014	TCMX (PCB)	SVOA-GC02	B	09/20/22 17:42
QC1014014	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/20/22 17:42
QC1014267	Aroclor-1016	SVOA-GC02	B	09/22/22 23:59
QC1014267	Aroclor-1260	SVOA-GC02	B	09/22/22 23:59
QC1014267	TCMX (PCB)	SVOA-GC02	B	09/22/22 23:59
QC1014267	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/22/22 23:59
QC1014268	Aroclor-1016	SVOA-GC02	B	09/23/22 00:17
QC1014268	Aroclor-1260	SVOA-GC02	B	09/23/22 00:17
QC1014268	TCMX (PCB)	SVOA-GC02	B	09/23/22 00:17
QC1014268	Decachlorobiphenyl (PCB)	SVOA-GC02	B	09/23/22 00:17

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	469273-001	Client ID:	ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-P-LA
Seqnum:	212379627029.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_092022-029	Batch:	297328	Time:	20-SEP-2022 21:51
Cal:	212360956002	Caldate:	07-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	6.917	ND	0.64	129%	1.0		u
Aroclor-1016 Peak # 1	B	10.69	0.21	0.65	100%			
Aroclor-1016 Peak # 2	B	2.220	0.04	0.00	161%			
Aroclor-1016 Peak # 3	B	14.19	0.28	1.45	134%			
Aroclor-1016 Peak # 4	B	6.180	0.12	0.91	152%			
Aroclor-1016 Peak # 5	B	1.308	0.03	0.18	150%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	15.55	ND	0.56	56%	1.0		u
Aroclor-1260 Peak # 1	B	6.804	0.14	1.06	155%			
Aroclor-1260 Peak # 2	B	3.320	0.07	0.10	39%			
Aroclor-1260 Peak # 3	B	10.67	0.21	0.74	110%			
Aroclor-1260 Peak # 4	B	44.48	0.89	0.79	12%			
Aroclor-1260 Peak # 5	B	12.47	0.25	0.09	91%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	29.80	1.000	0.5961	60	52-186	c+ u
Decachlorobiphenyl (PCB)	B	32.40	1.000	0.6480	65	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_092022-008)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5202550	7018927	34.91
1-bromo-2-nitrobenzene (PCB)	A	156453134	196661110	25.70

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

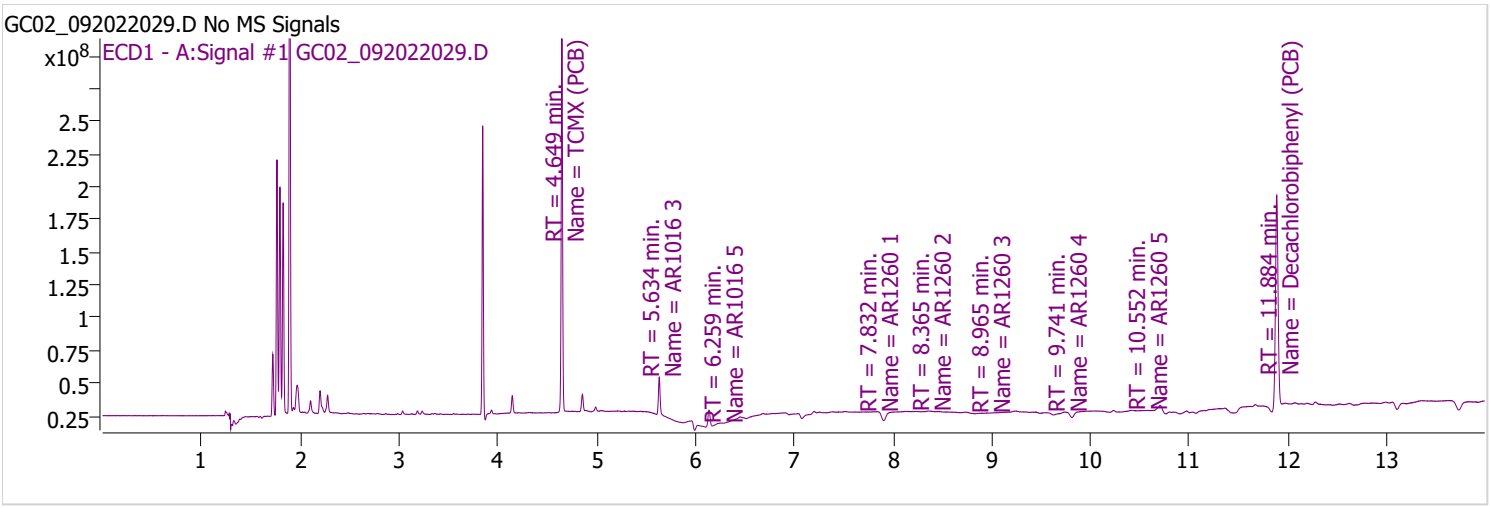
ISTD (CCV gc02_092022-008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

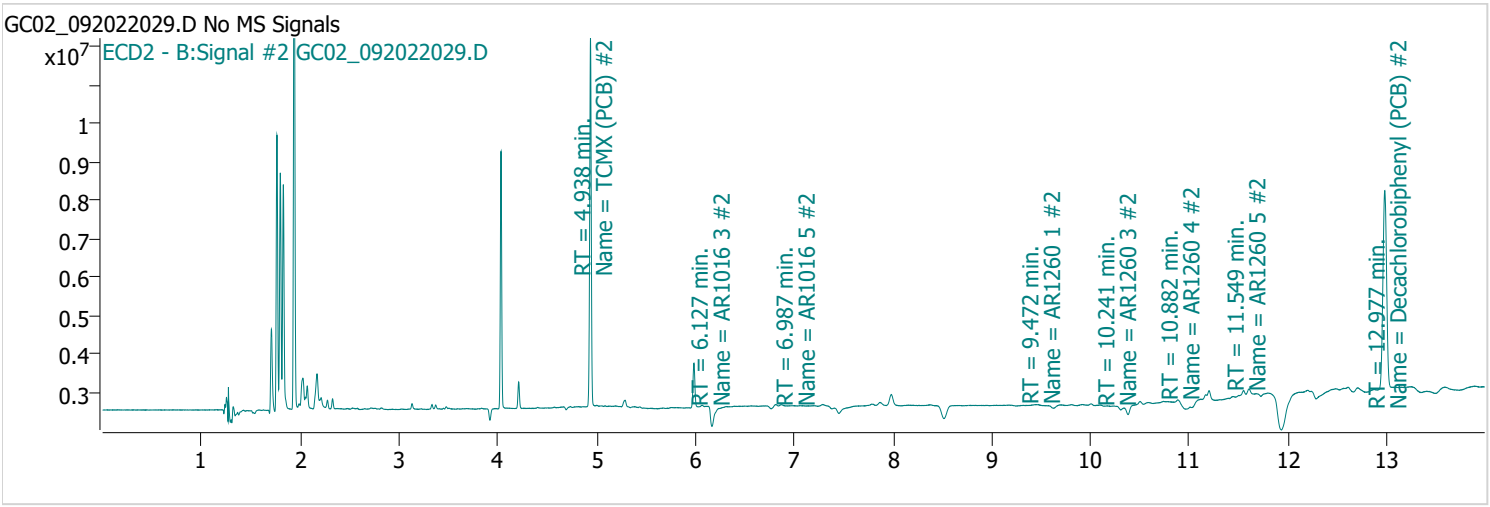
Analyst: TJW 09/21/22 *

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092022029.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/20/2022 9:51:37 PM
Sample Name	469273-001, 297328, 1	Instrument	SVOA-GC02
Vial	17	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_8.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	092022PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



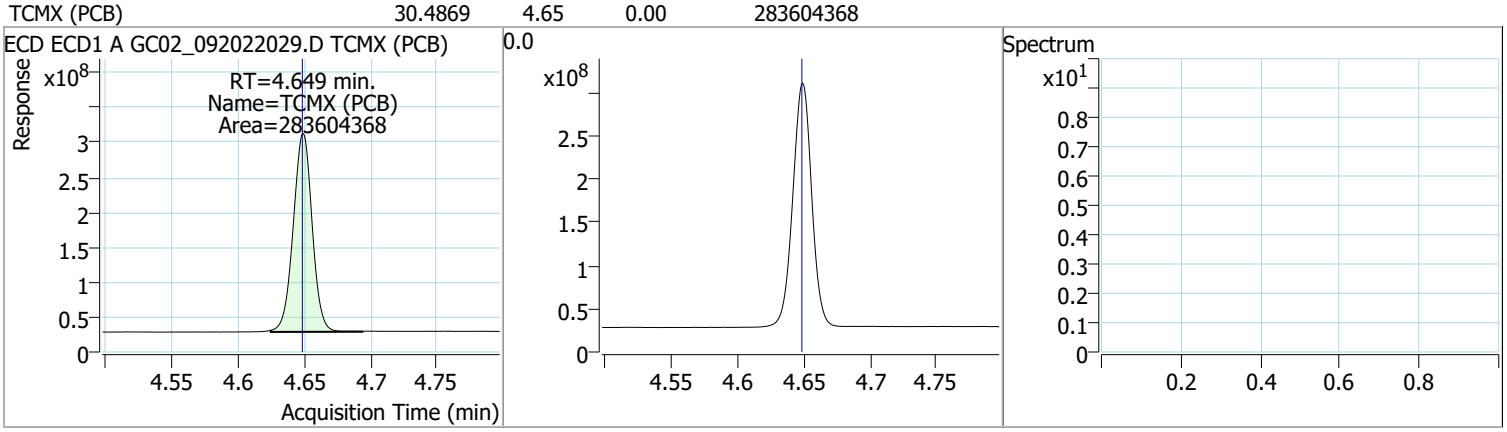


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.848	0.0	196661109.685	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.033	0.0	7018926.573	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.649	0.0	283604368.184	30.4869	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 152.43%		*	
S TCMX (PCB) #2	4.938	0.0	10864187.390	29.8038	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.02%			
S Decachlorobiphenyl (PCB)	11.884	0.0	314033218.344	26.8205	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 134.10%			
S Decachlorobiphenyl (PCB) #2	12.977	0.0	13616538.713	32.4008	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.00%		*	
Target Compounds							QValue

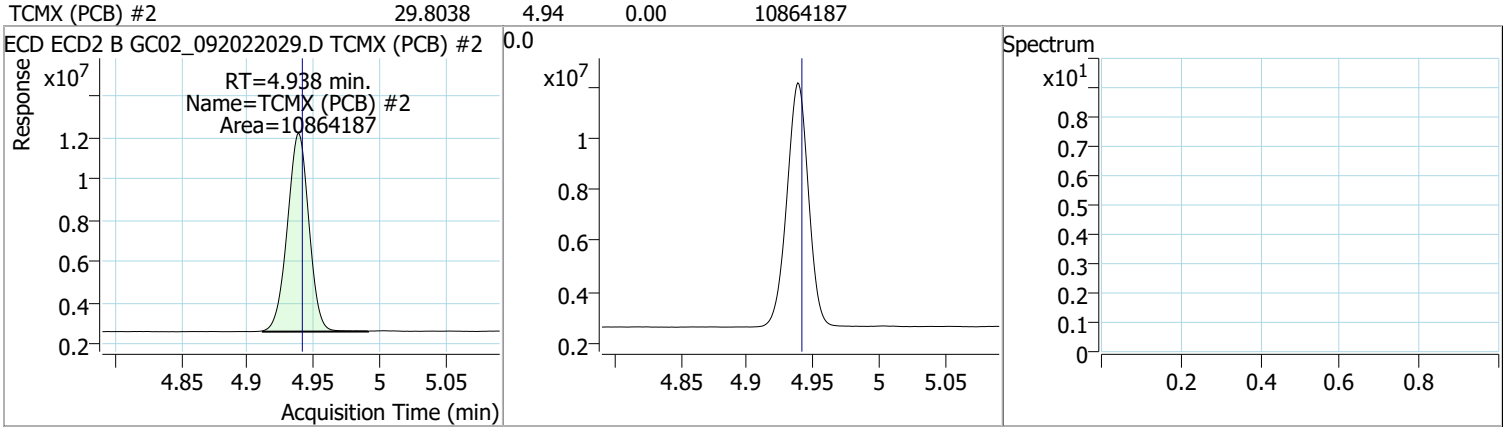
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.989	0.0	5582790.950	32.2774	ng/ml	100
T AR1016 2	5.290	0.0	79650.301	0.2385	ng/ml	100
T AR1016 1 #2	5.387	0.0	94792.269	10.6882	ng/ml	100
T AR1016 3	5.634	0.0	36435105.800	72.4047	ng/ml	100
T AR1016 2 #2	5.757	0.0	39745.276	2.2196	ng/ml	100
T AR1016 4	5.957	0.0	13420111.086	45.2939	ng/ml	100
T AR1016 5	6.259	0.0	2520287.411	9.2357	ng/ml	100
T AR1016 3 #2	6.127	0.0	308040.343	14.1893	ng/ml	100
T AR1016 4 #2	6.313	0.0	105797.515	6.1798	ng/ml	100
T AR1016 5 #2	6.987	0.0	18053.606	1.3084	ng/ml	100
T AR1260 1	7.832	0.0	27975890.963	53.0934	ng/ml	100
T AR1260 2	8.365	0.0	3980186.942	4.9416	ng/ml	100
T AR1260 3	8.965	0.0	43107.174	36.8337	ng/ml	100
T AR1260 1 #2	9.472	0.0	191272.304	6.8040	ng/ml	100
T AR1260 4	9.741	0.0	21286586.577	39.2737	ng/ml	100
T AR1260 2 #2	9.799	0.0	105172.736	3.3205	ng/ml	100
T AR1260 3 #2	10.241	0.0	401841.952	10.6666	ng/ml	100
T AR1260 5	10.552	0.0	3311142.402	4.6718	ng/ml	100
T AR1260 4 #2	10.882	0.0	965128.668	44.4778	ng/ml	100
T AR1260 5 #2	11.549	0.0	400524.289	12.4737	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

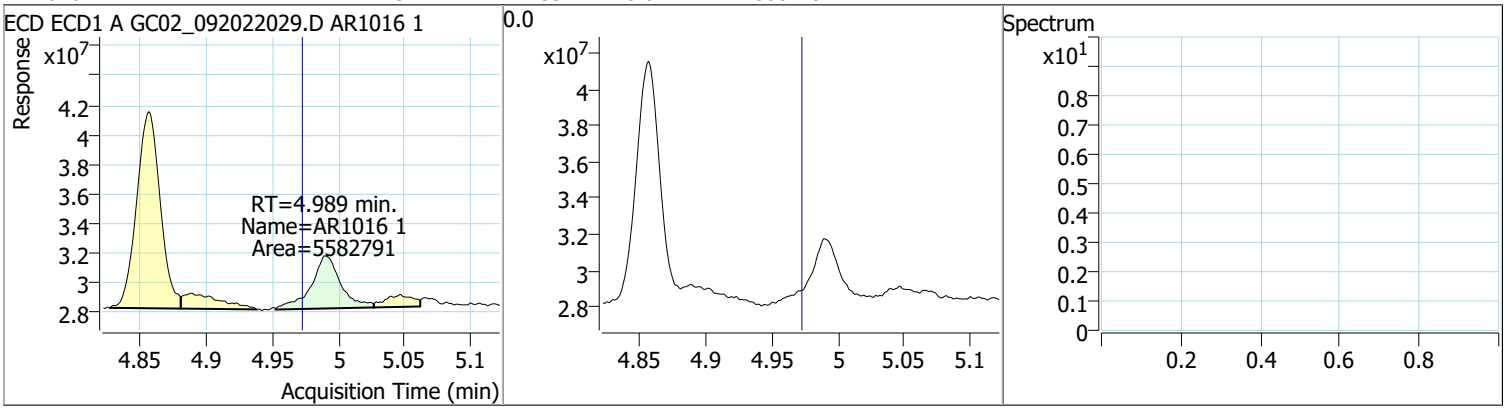
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.4869	4.65	0.00	283604368				



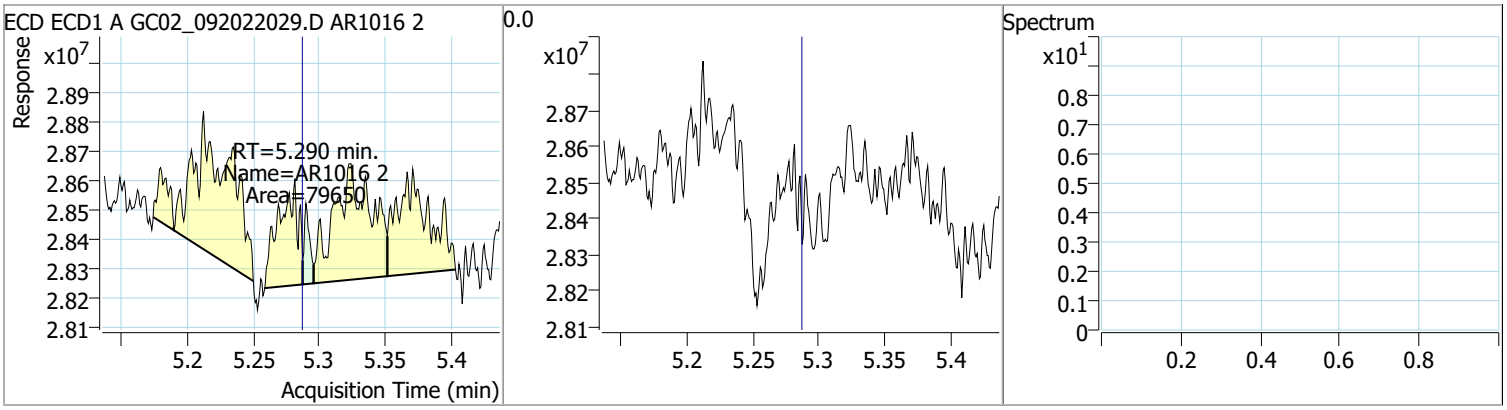
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.8038	4.94	0.00	10864187				



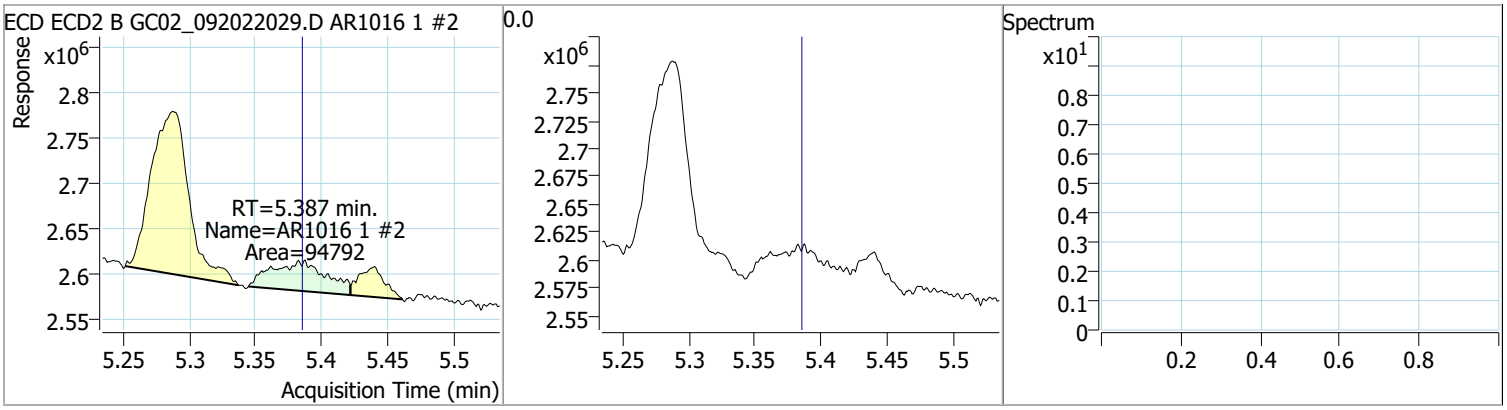
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	32.2774	4.99	0.02	5582791				



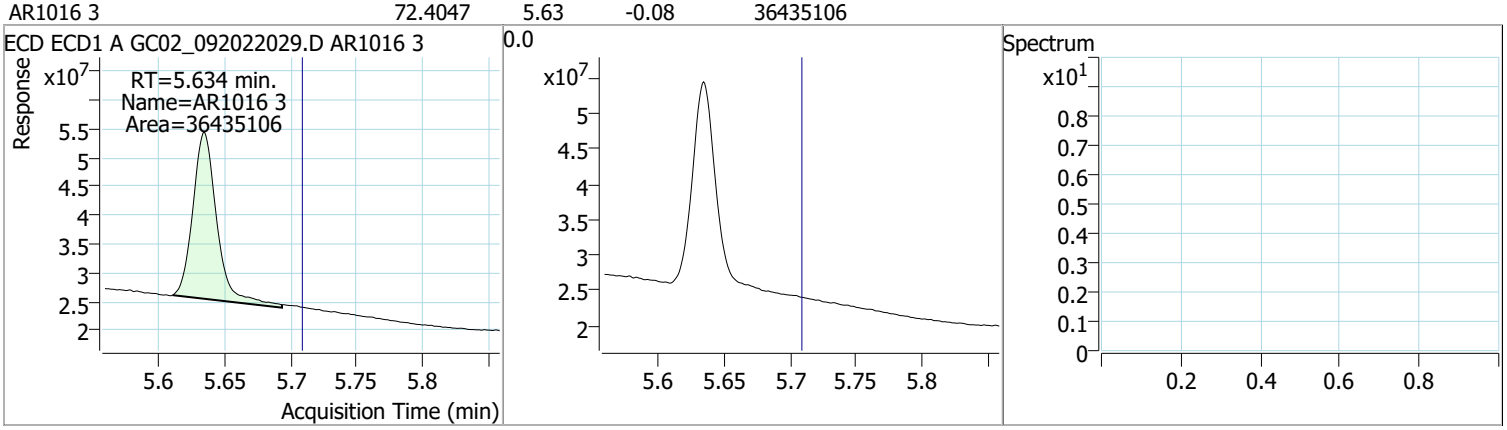
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.2385	5.29	0.00	79650				



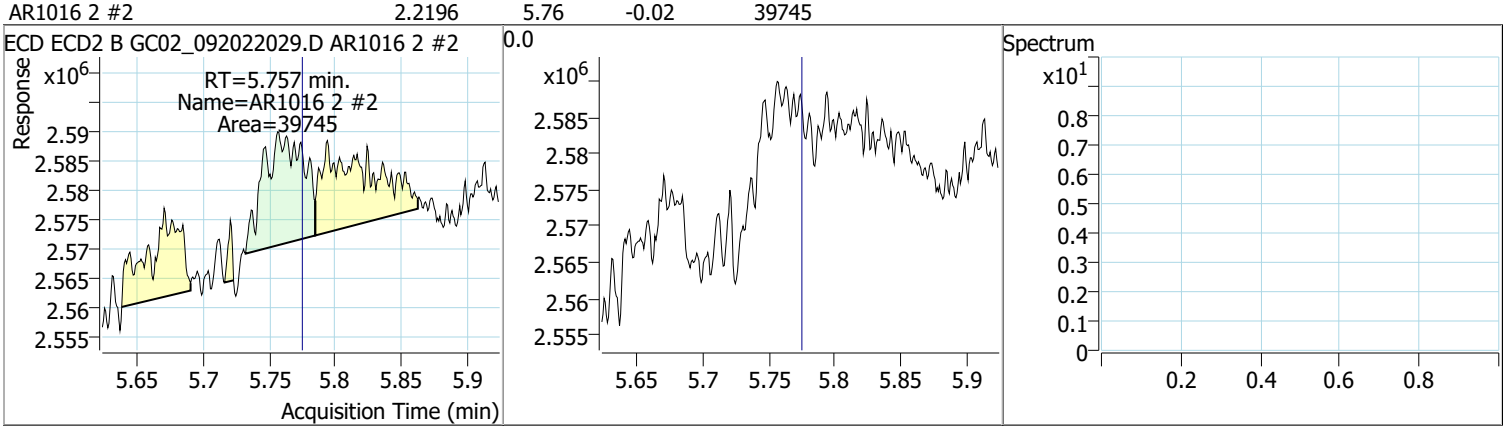
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	10.6882	5.39	0.00	94792				



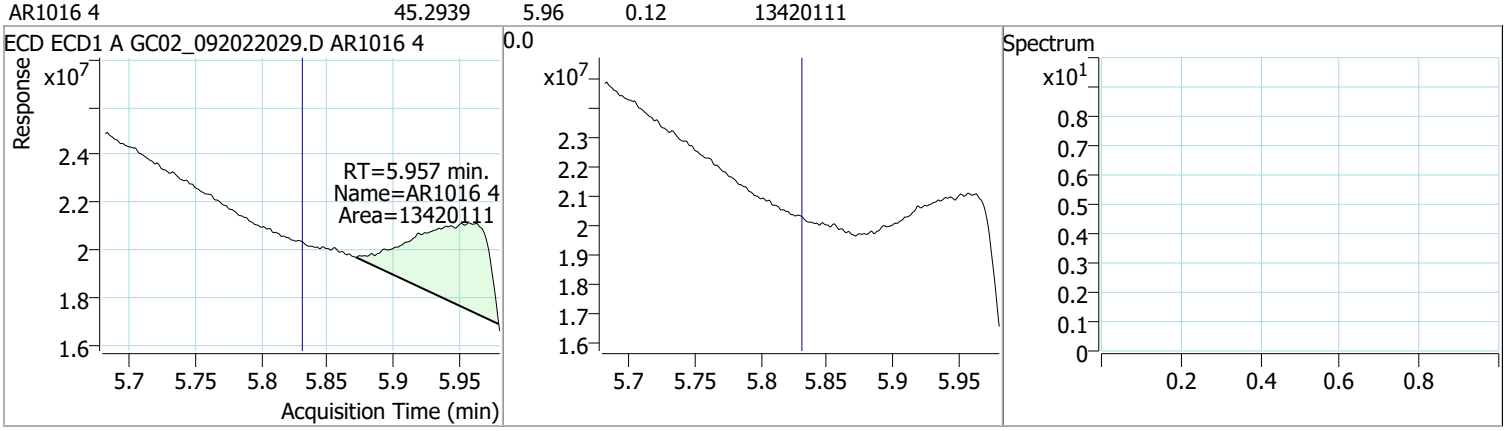
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	72.4047	5.63	-0.08	36435106				



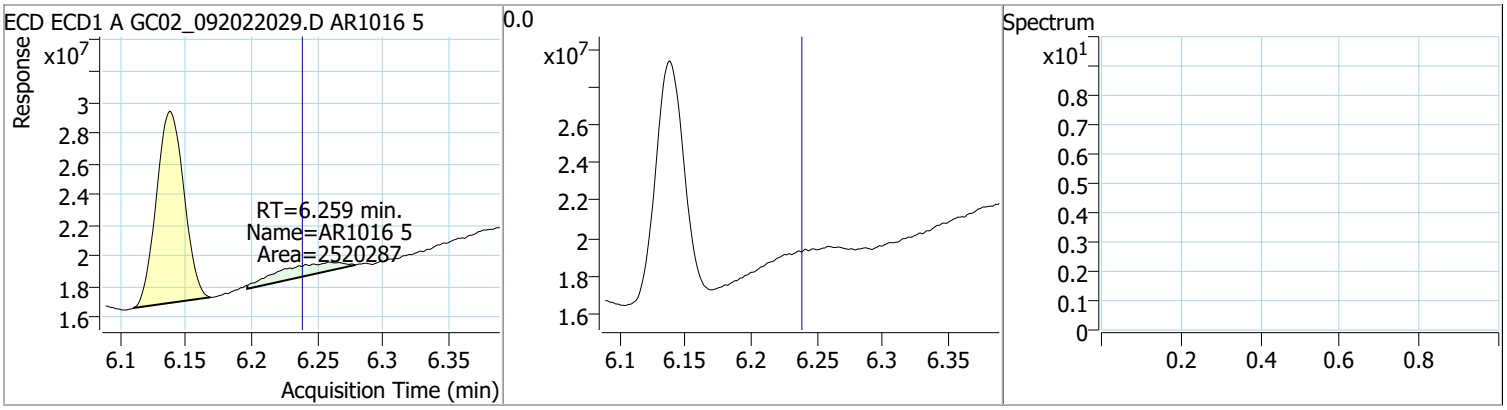
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.2196	5.76	-0.02	39745				



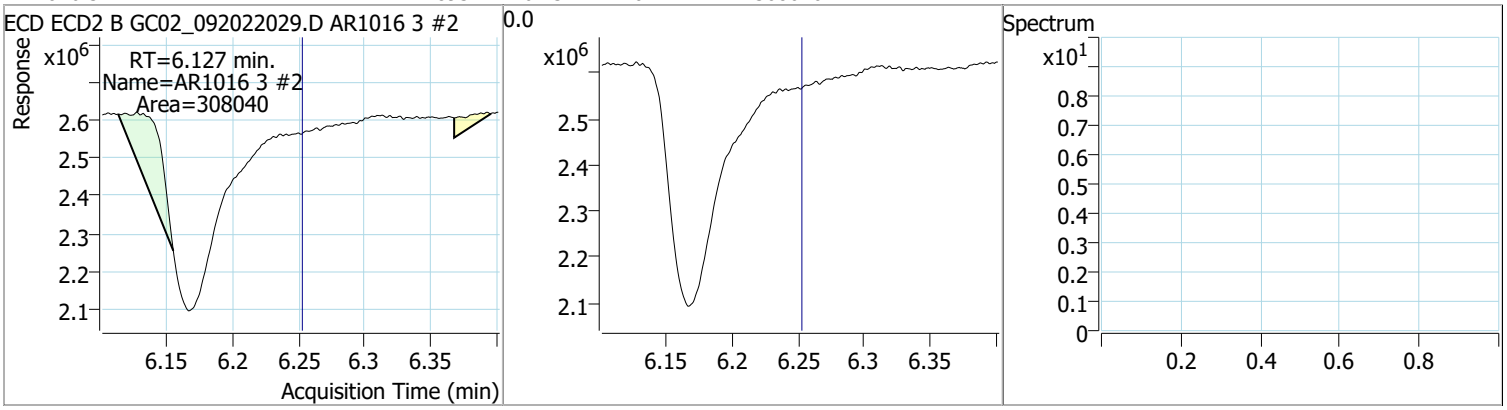
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	45.2939	5.96	0.12	13420111				



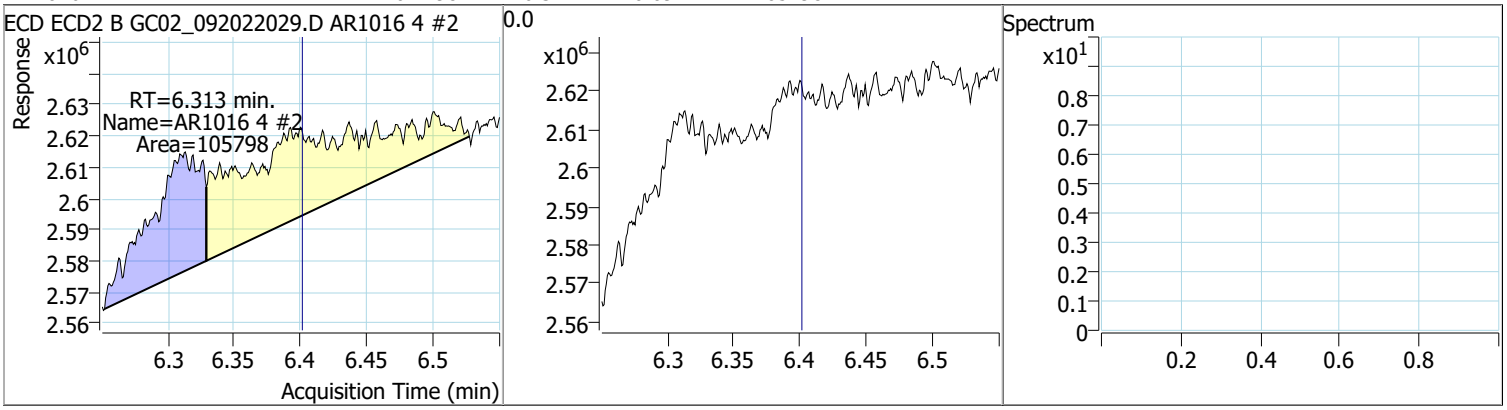
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	9.2357	6.26	0.02	2520287				



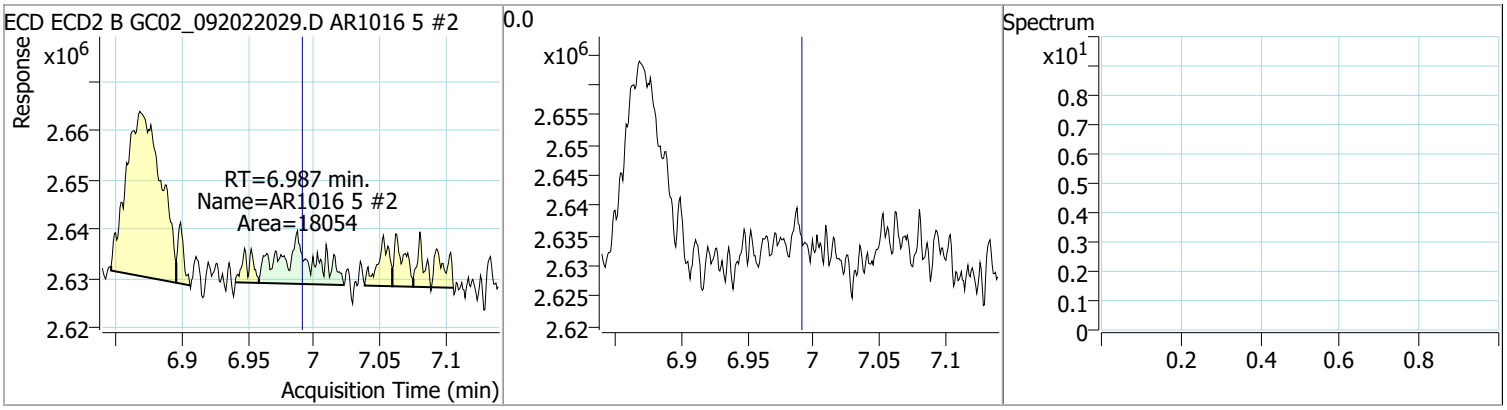
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AR1016 3 #2	14.1893	6.13	-0.12	308040				



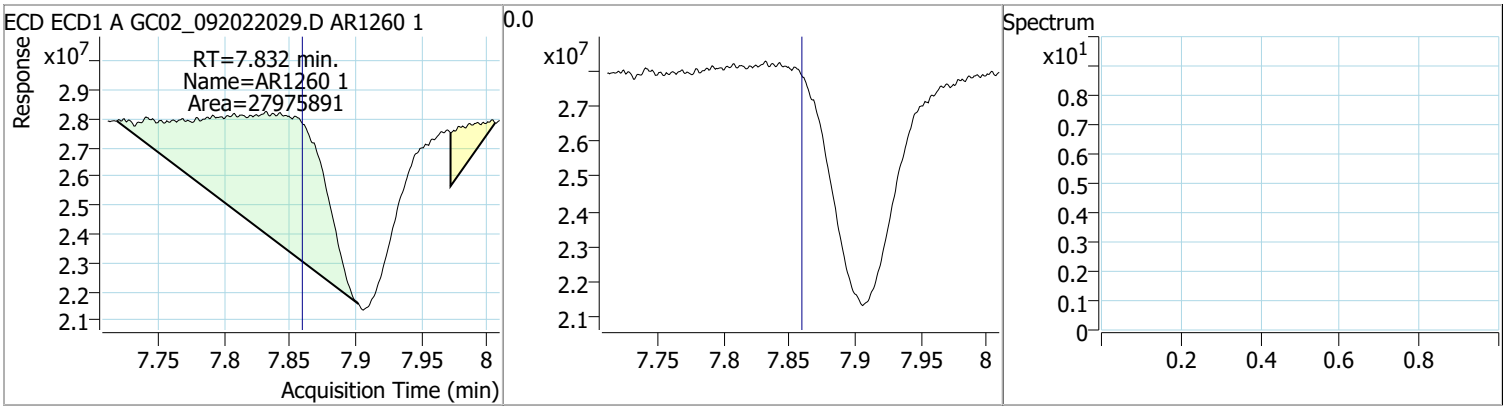
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AR1016 4 #2	6.1798	6.31	-0.09	105798				



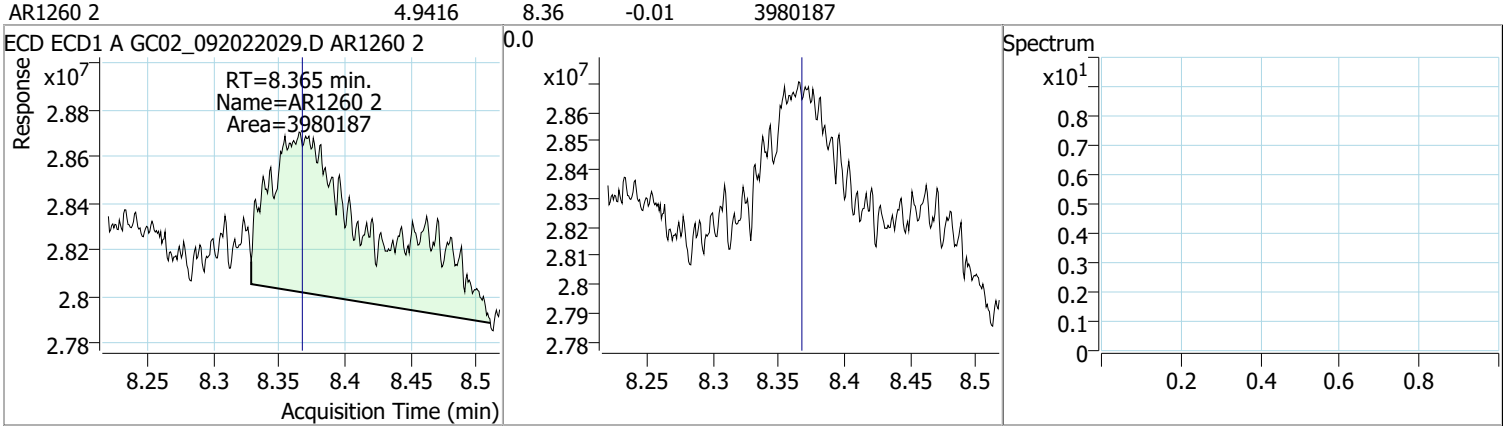
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AR1016 5 #2	1.3084	6.99	0.00	18054				



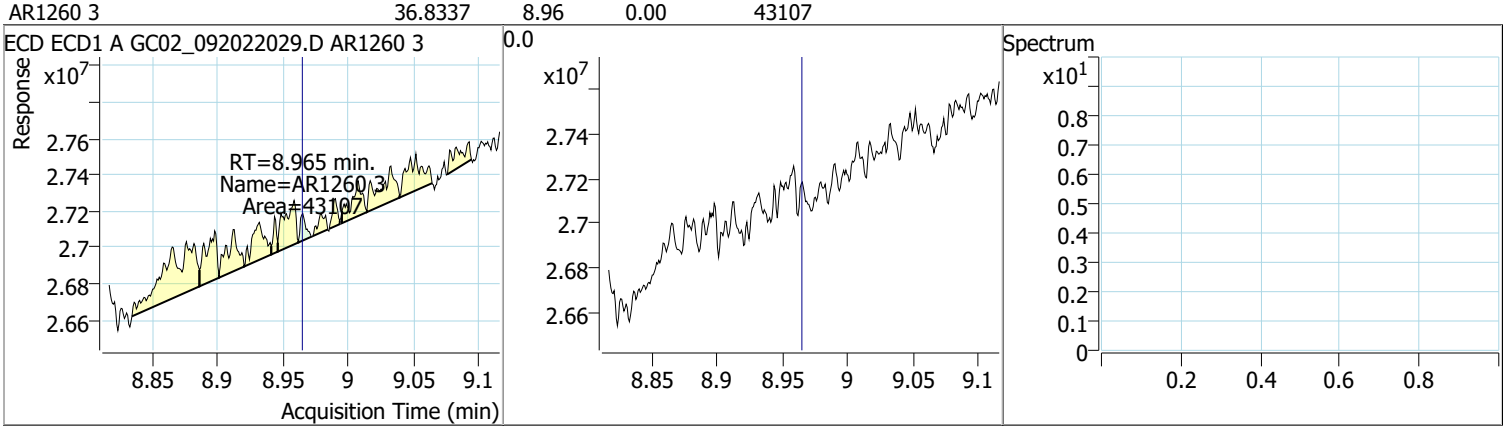
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	53.0934	7.83	-0.03	27975891				



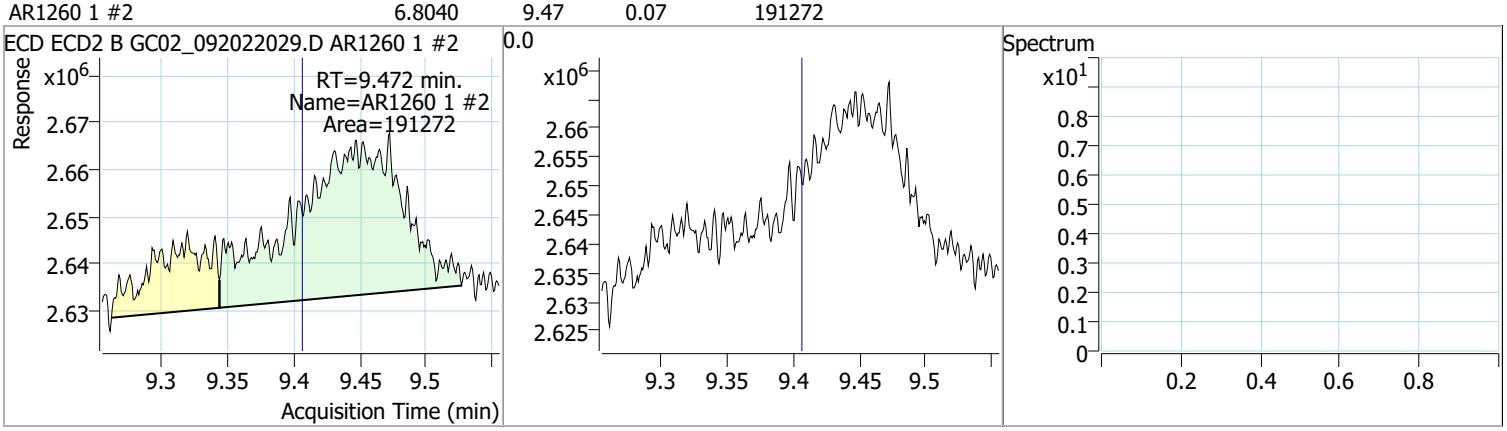
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.9416	8.36	-0.01	3980187				



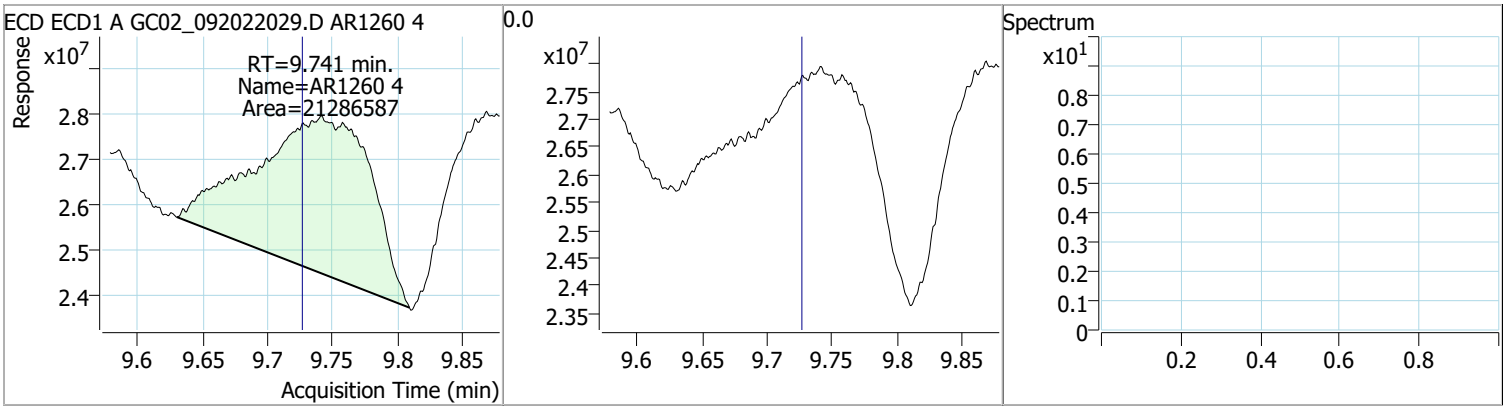
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	36.8337	8.96	0.00	43107				



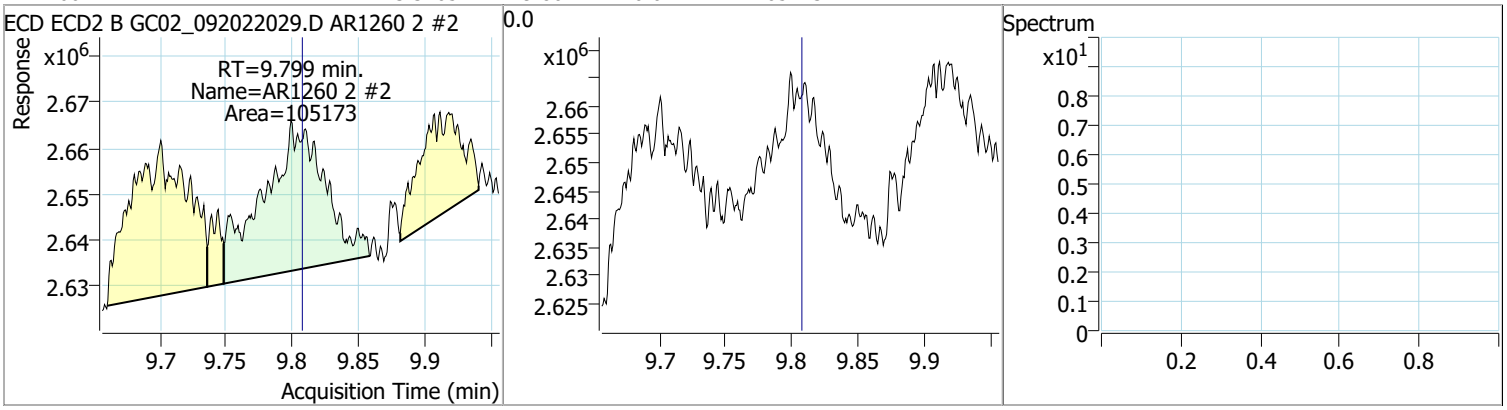
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AR1260 1 #2	6.8040	9.47	0.07	191272				



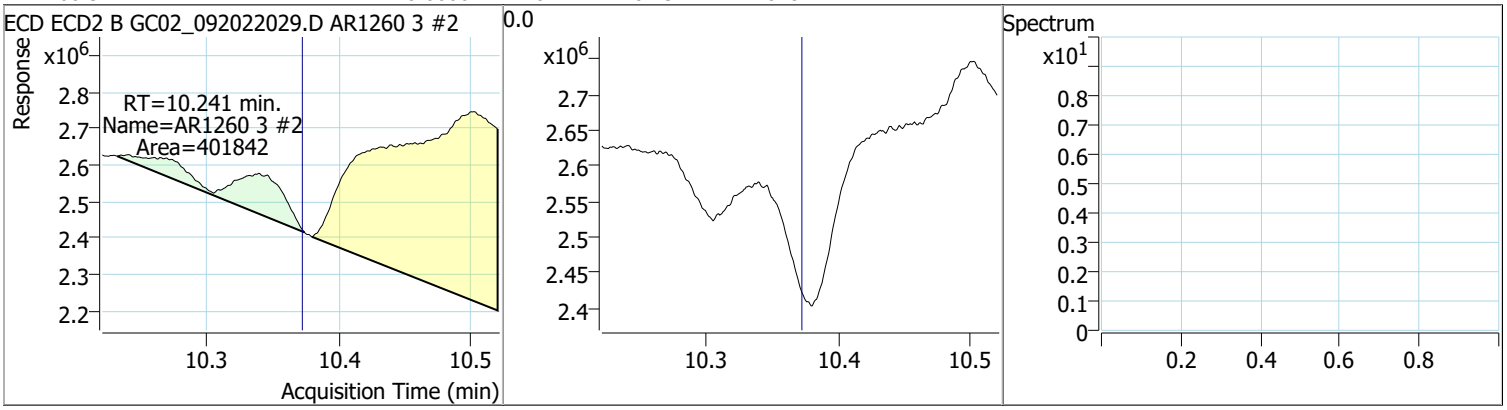
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	39.2737	9.74	0.01	21286587				



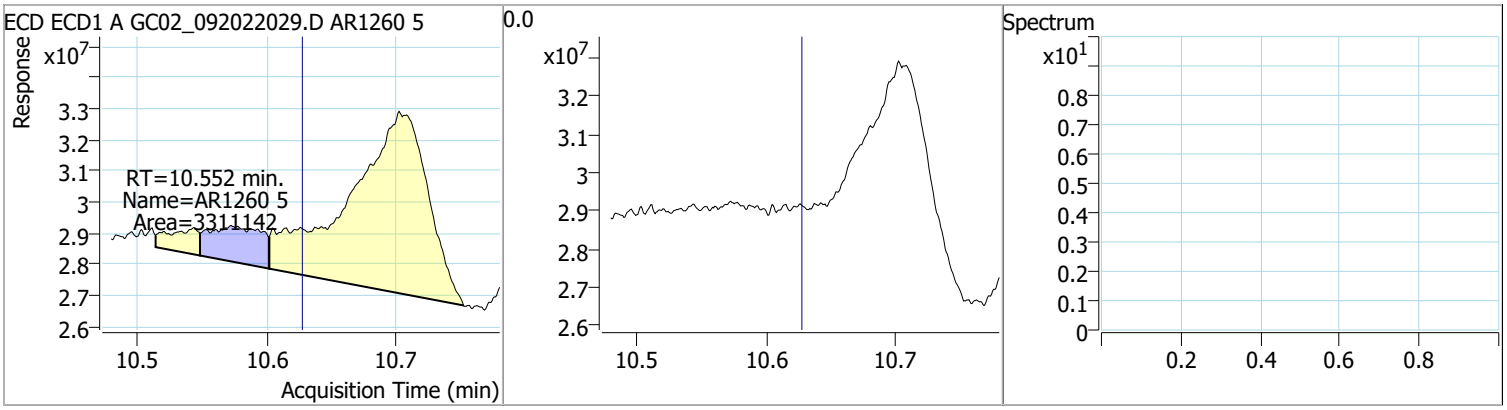
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AR1260 2 #2	3.3205	9.80	-0.01	105173				



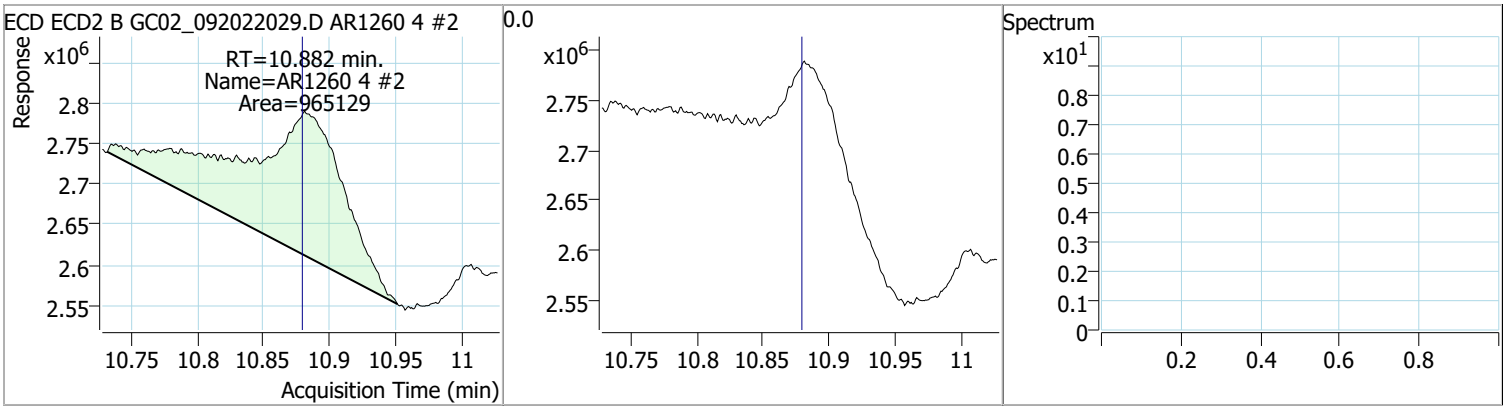
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.6666	10.24	-0.13	401842				



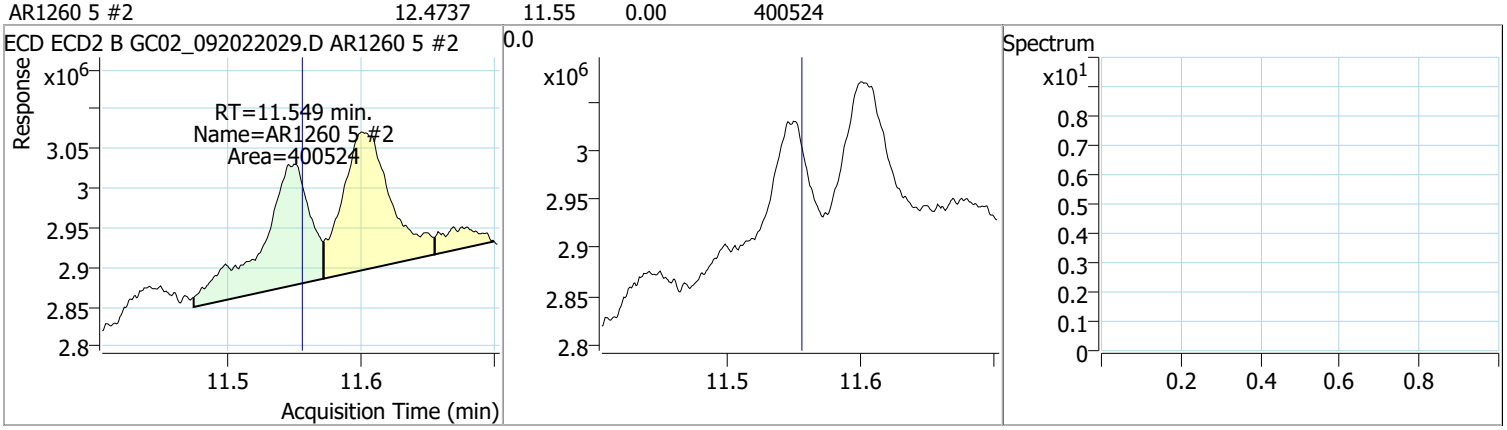
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	4.6718	10.55	-0.08	3311142				



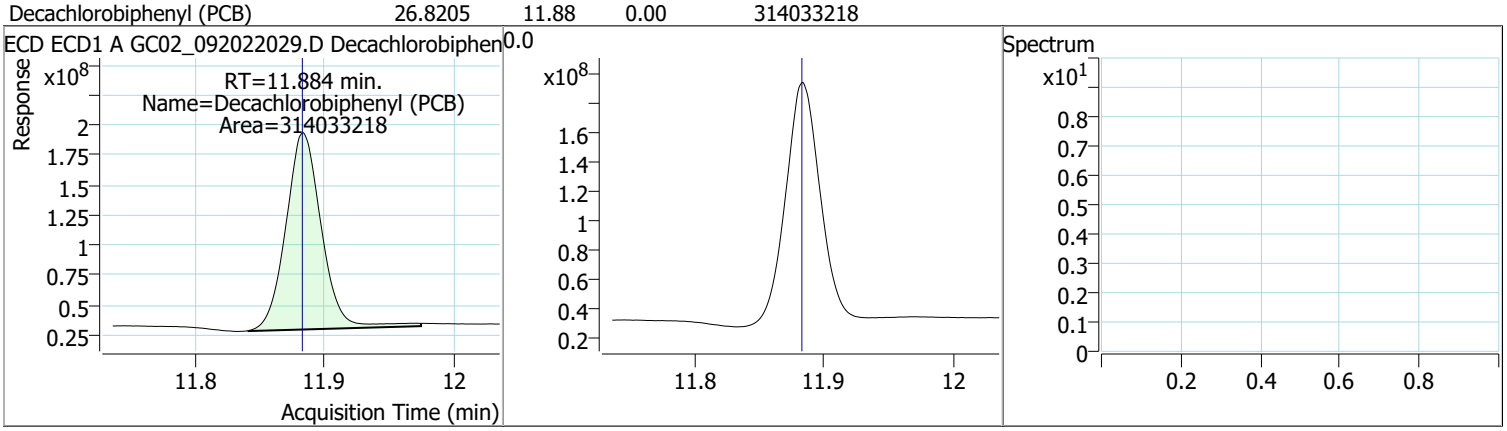
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	44.4778	10.88	0.00	965129				



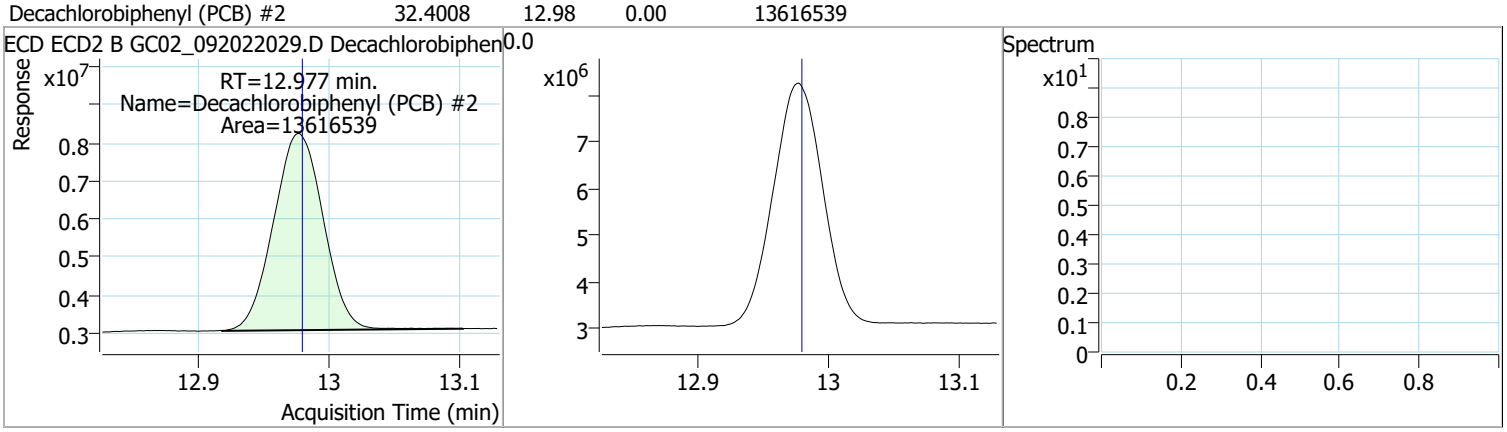
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.4737	11.55	0.00	400524				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.8205	11.88	0.00	314033218				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.4008	12.98	0.00	13616539				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	469273-003	Client ID:	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-P-LA
Seqnum:	212379627030.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_092022-030	Batch:	297328	Time:	20-SEP-2022 22:09
Cal:	212360956002	Caldate:	07-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	7.122	ND	0.35	83%	1.0		u
Aroclor-1016 Peak # 1	B	10.86	0.22	0.69	104%			
Aroclor-1016 Peak # 2	B	7.001	0.14	0.12	16%			
Aroclor-1016 Peak # 3	B	15.74	0.31	0.76	83%			
Aroclor-1016 Peak # 4	B	0	ND	0.01				
Aroclor-1016 Peak # 5	B	2.015	0.04	0.14	113%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	12.64	ND	0.72	96%	1.0		u
Aroclor-1260 Peak # 1	B	4.876	0.10	1.23	171%			
Aroclor-1260 Peak # 2	B	3.481	0.07	0.06	13%			
Aroclor-1260 Peak # 3	B	6.069	0.12	0.77	145%			
Aroclor-1260 Peak # 4	B	33.04	0.66	0.85	25%			
Aroclor-1260 Peak # 5	B	15.72	0.31	0.71	78%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	30.19	1.000	0.6038	60	52-186	c+ u
Decachlorobiphenyl (PCB)	B	31.82	1.000	0.6363	64	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_092022-008)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5202550	7184965	38.10
1-bromo-2-nitrobenzene (PCB)	A	156453134	200967458	28.45

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

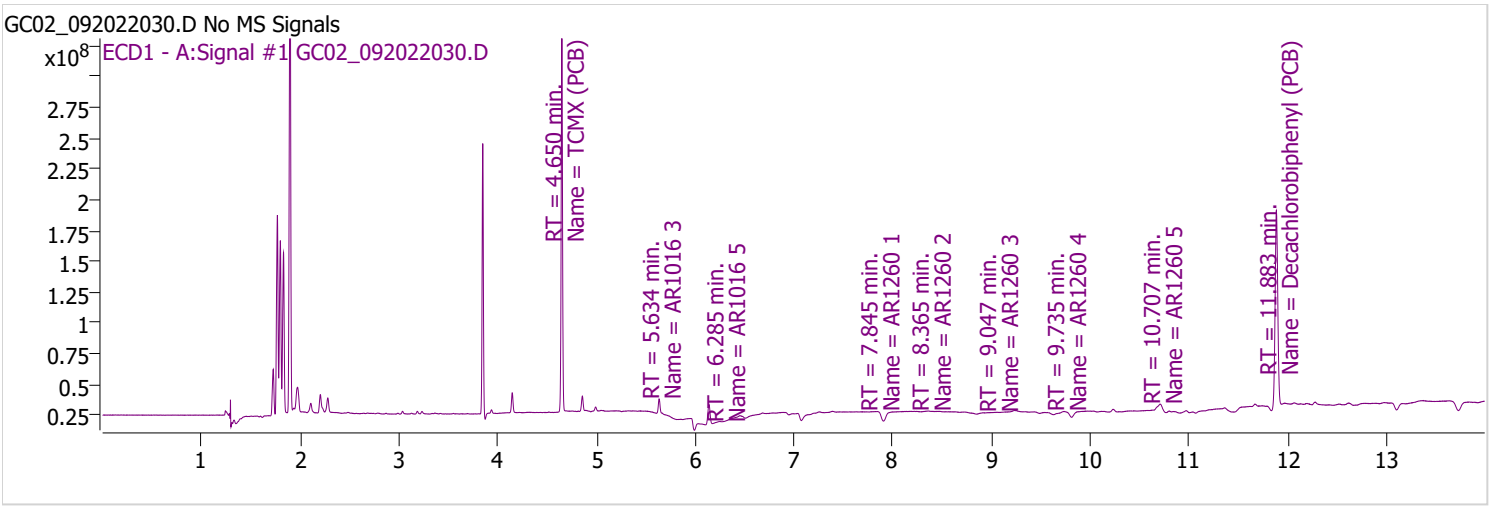
ISTD (CCV gc02_092022-008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

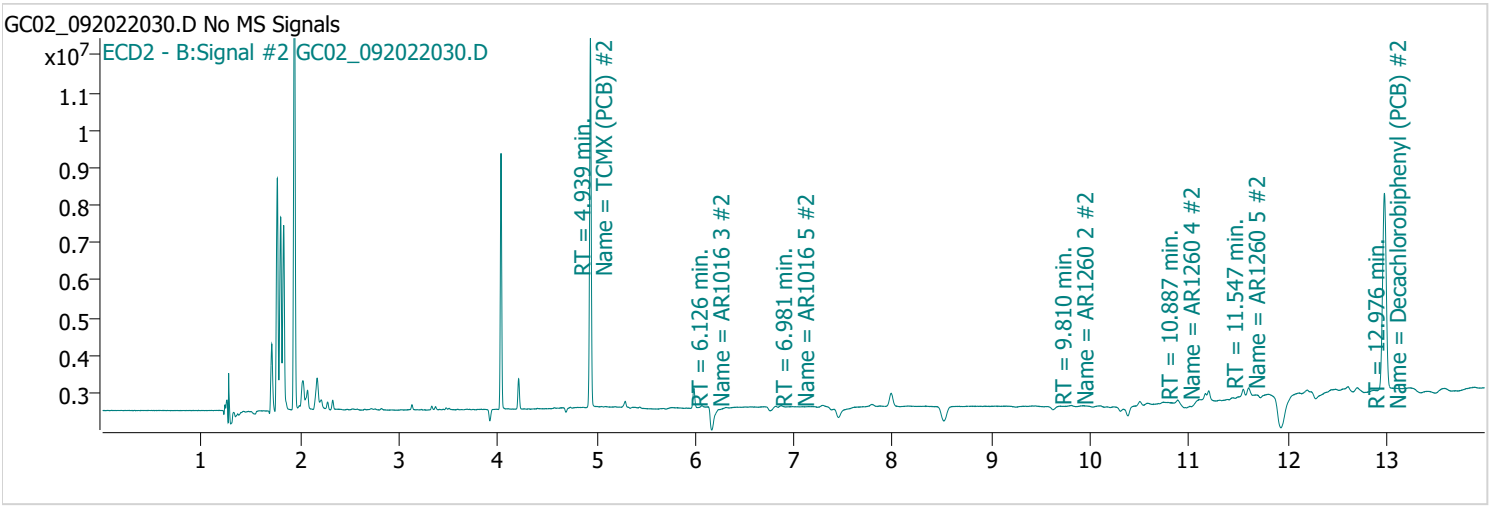
Analyst: TJW 09/21/22 *

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092022030.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/20/2022 10:09:23 PM
Sample Name	469273-003, 297328, 1	Instrument	SVOA-GC02
Vial	18	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_8.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	092022PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



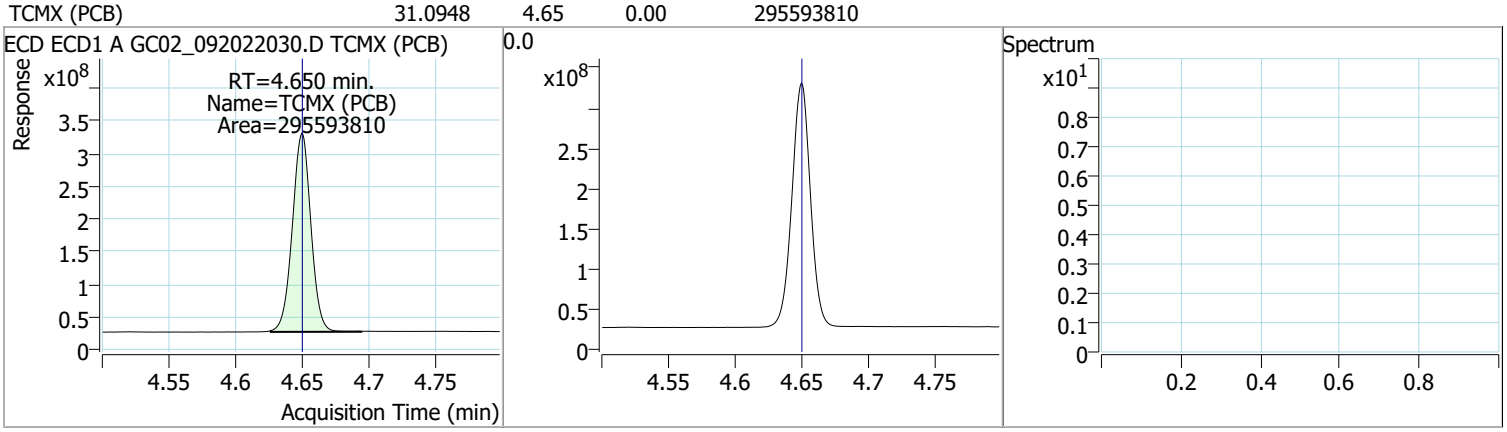


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.849	0.0	200967458.313	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.034	0.0	7184965.474	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.650	0.0	295593809.821	31.0948	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.47%		*	
S TCMX (PCB) #2	4.939	0.0	11265541.549	30.1906	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 150.95%		*	
S Decachlorobiphenyl (PCB)	11.883	0.0	312866772.362	26.1483	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 130.74%			
S Decachlorobiphenyl (PCB) #2	12.976	0.0	13687712.816	31.8175	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.09%		*	
Target Compounds							QValue

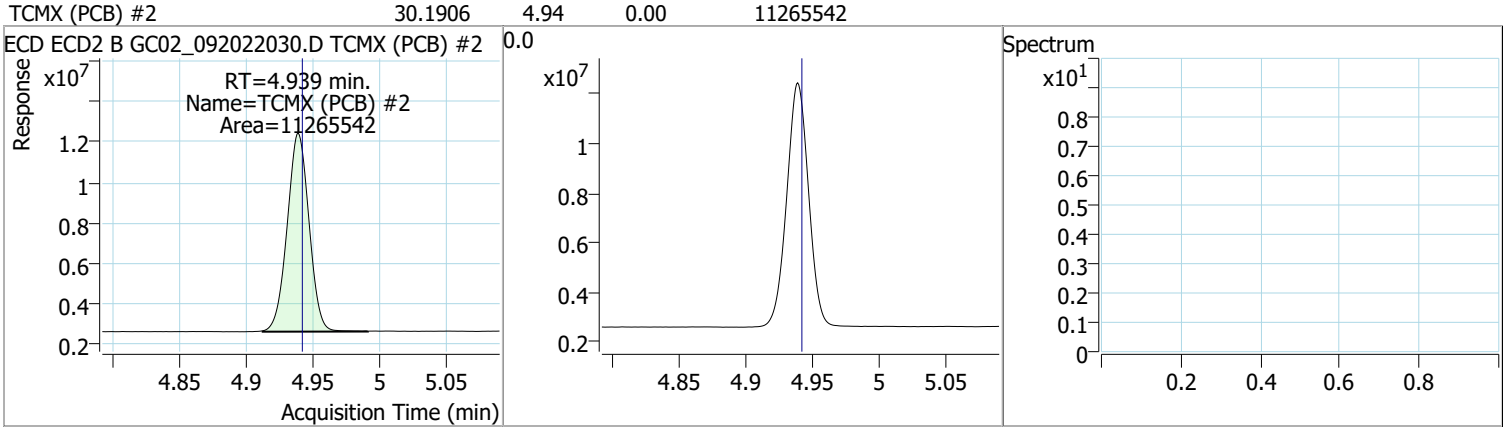
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.993	0.0	6062429.667	34.2994	ng/ml	100
T AR1016 2	5.317	0.0	2043605.787	5.9892	ng/ml	100
T AR1016 1 #2	5.385	0.0	98591.299	10.8597	ng/ml	100
T AR1016 3	5.634	0.0	19606808.671	38.1282	ng/ml	100
T AR1016 2 #2	5.765	0.0	128332.329	7.0011	ng/ml	100
T AR1016 4	5.850	0.0	219935.392	0.7264	ng/ml	100
T AR1016 5	6.285	0.0	2006865.987	7.1966	ng/ml	100
T AR1016 3 #2	6.126	0.0	349694.070	15.7357	ng/ml	100
T AR1016 4 #2	0.000		0	N.D.		
T AR1016 5 #2	6.981	0.0	28461.986	2.0150	ng/ml	100
T AR1260 1	7.845	0.0	33006675.272	61.2987	ng/ml	100
T AR1260 2	8.365	0.0	2513971.075	3.0543	ng/ml	100
T AR1260 3	9.047	0.0	1637072.222	38.4062	ng/ml	100
T AR1260 1 #2	9.410	0.0	140314.058	4.8759	ng/ml	100
T AR1260 4	9.735	0.0	23478470.830	42.3895	ng/ml	100
T AR1260 2 #2	9.810	0.0	112873.908	3.4812	ng/ml	100
T AR1260 3 #2	10.501	0.0	234059.433	6.0694	ng/ml	100
T AR1260 5	10.707	0.0	25845629.075	35.6849	ng/ml	100
T AR1260 4 #2	10.887	0.0	733837.943	33.0373	ng/ml	100
T AR1260 5 #2	11.547	0.0	516563.379	15.7157	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

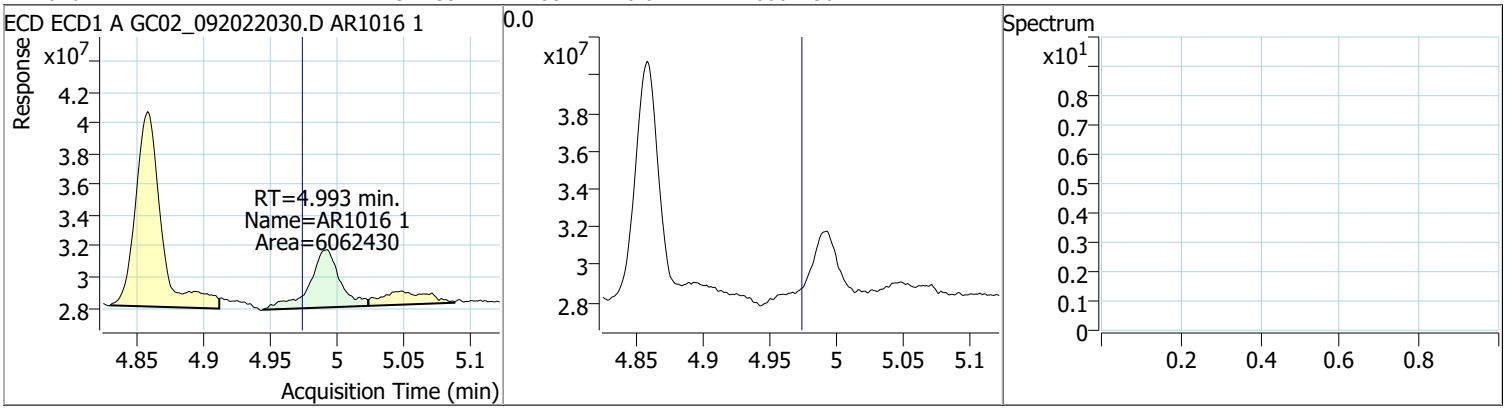
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.0948	4.65	0.00	295593810				



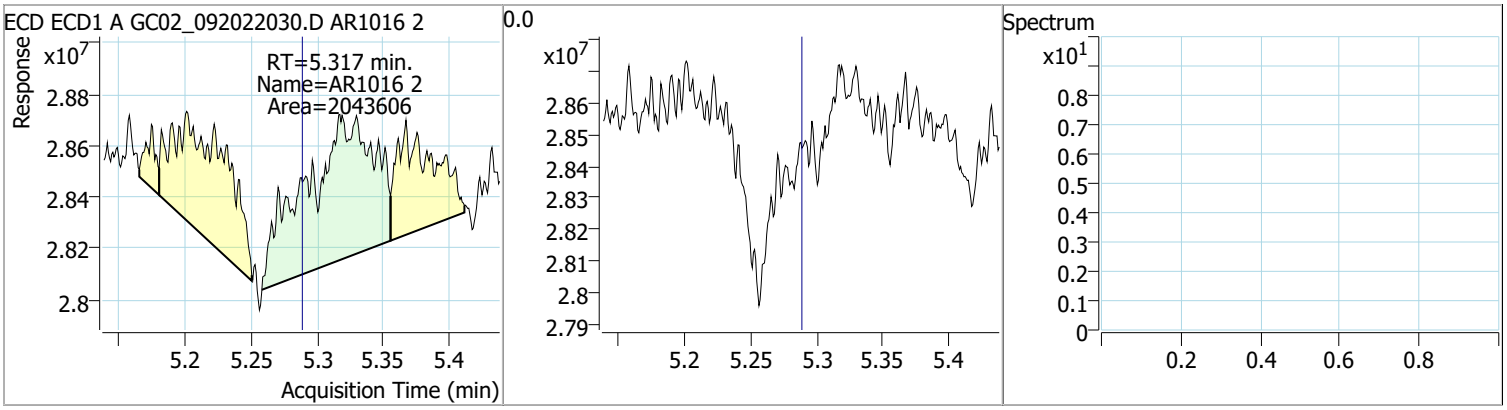
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.1906	4.94	0.00	11265542				



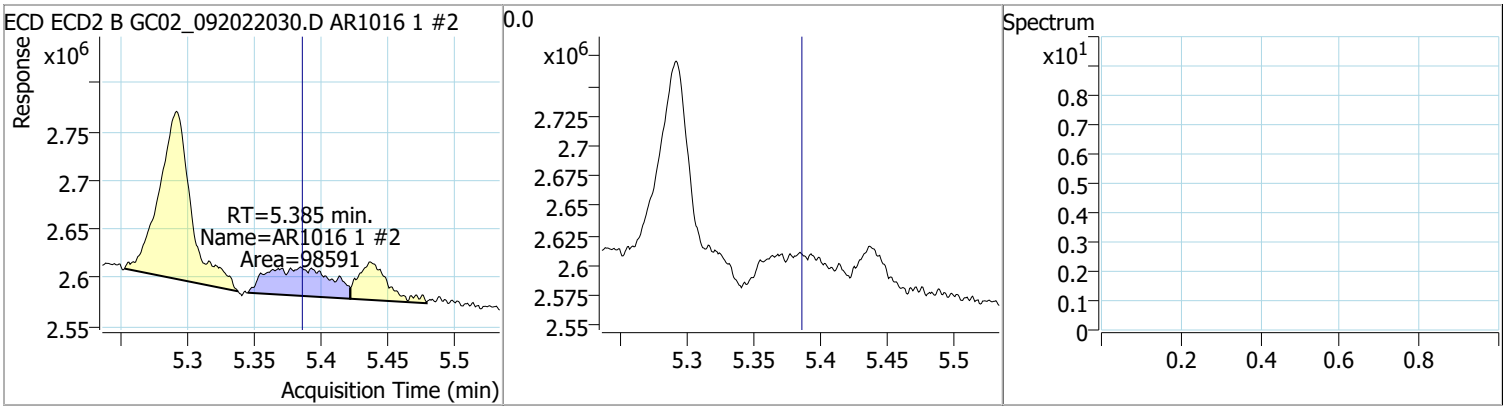
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	34.2994	4.99	0.02	6062430				



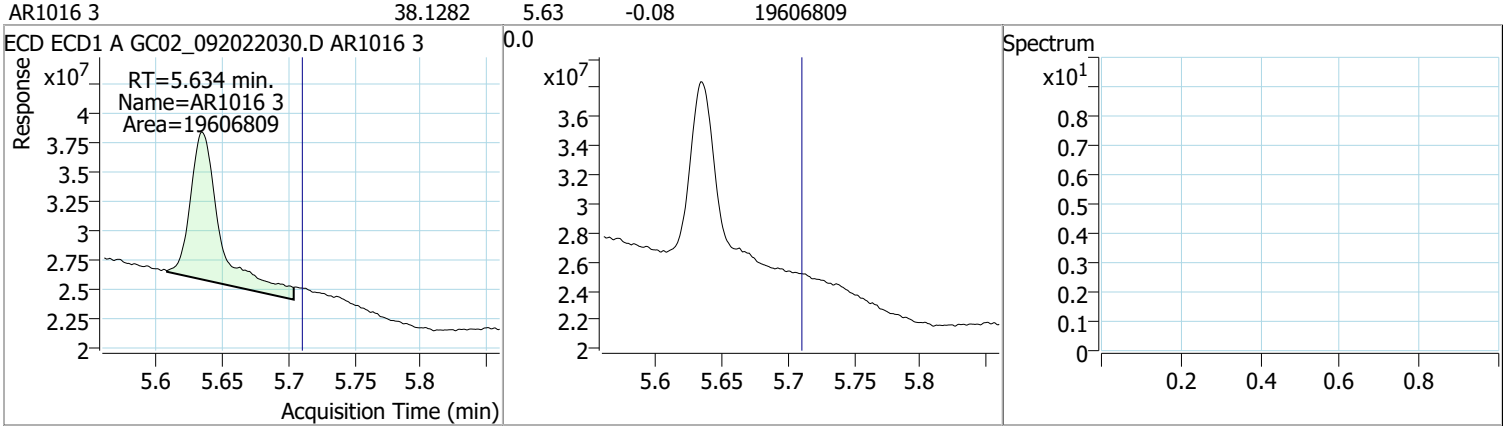
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	5.9892	5.32	0.03	2043606				



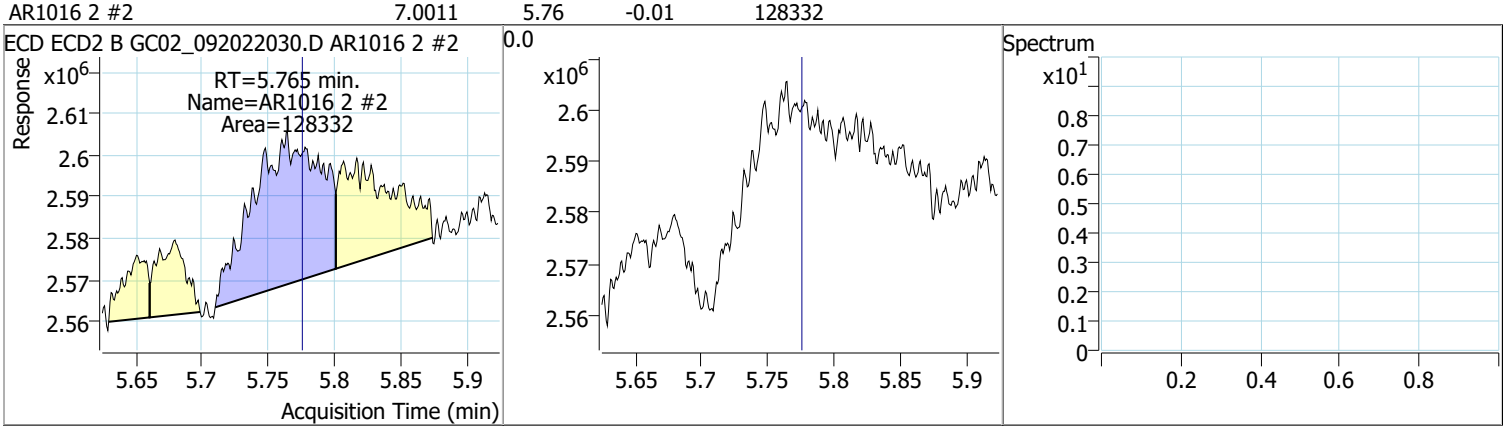
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	10.8597	5.38	0.00	98591				



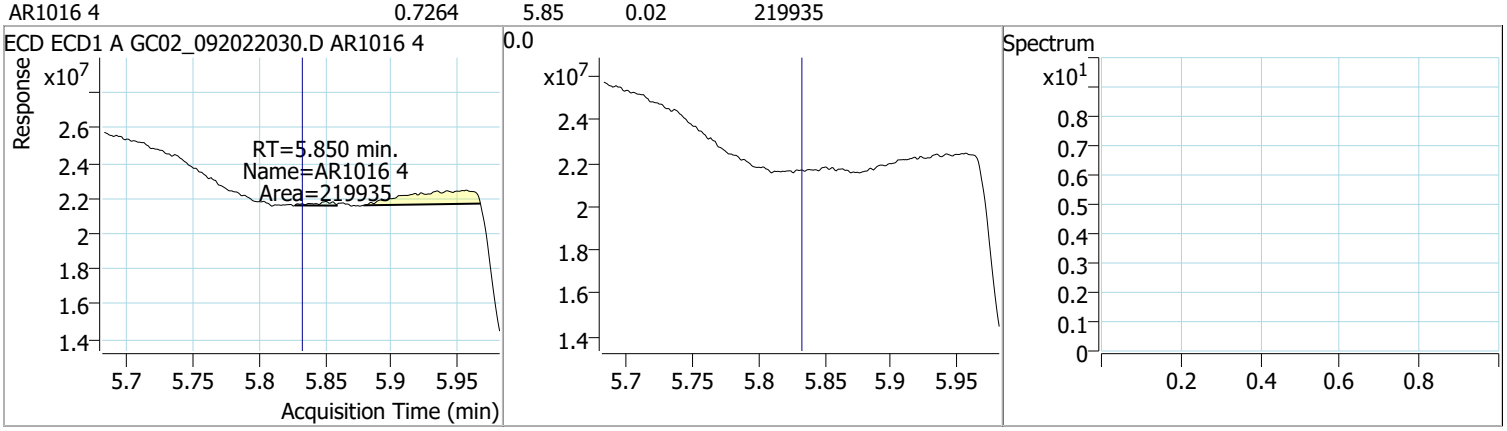
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	38.1282	5.63	-0.08	19606809				



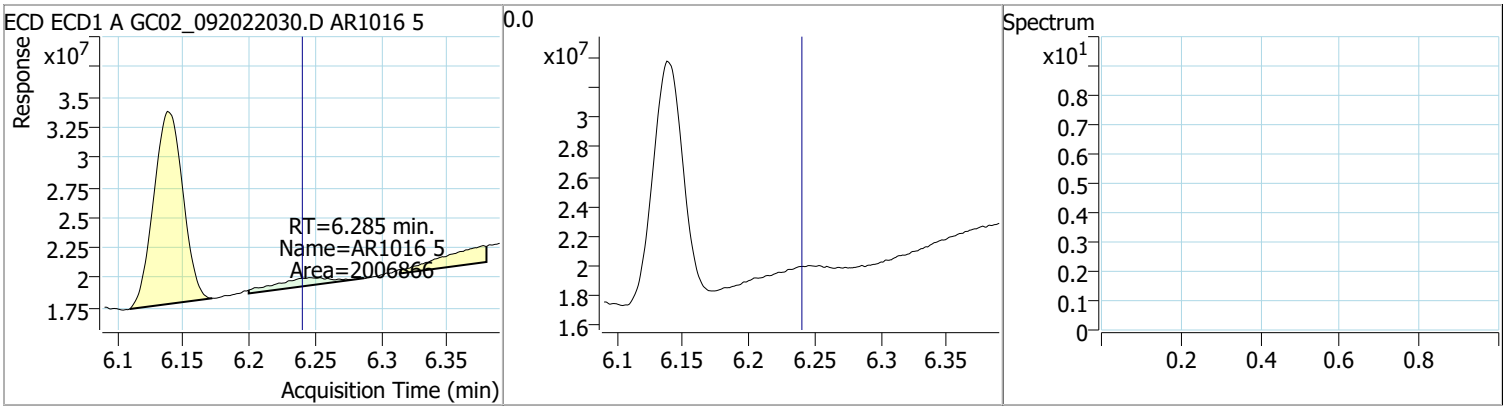
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	7.0011	5.76	-0.01	128332				



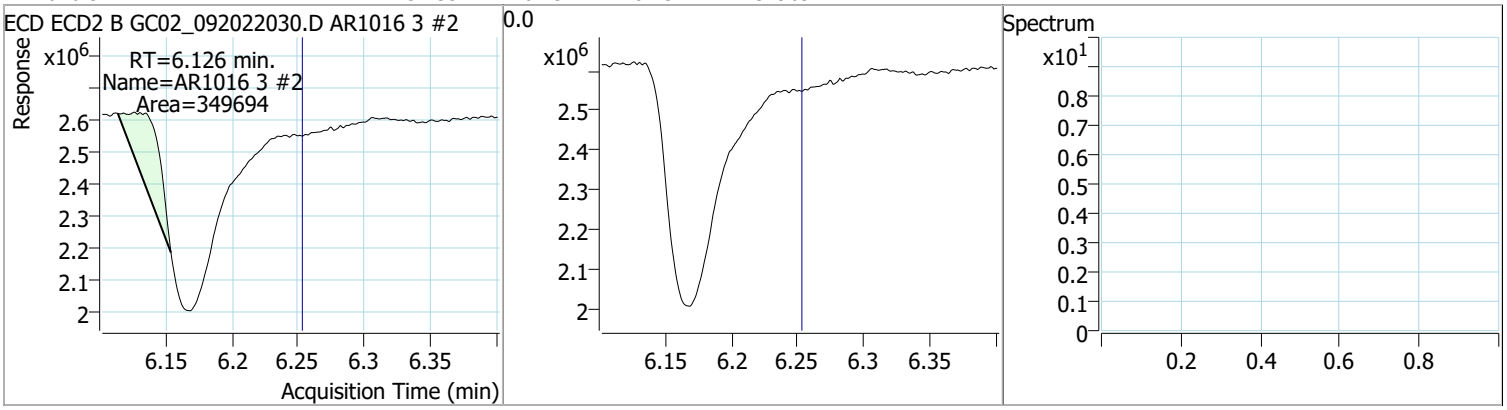
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.7264	5.85	0.02	219935				



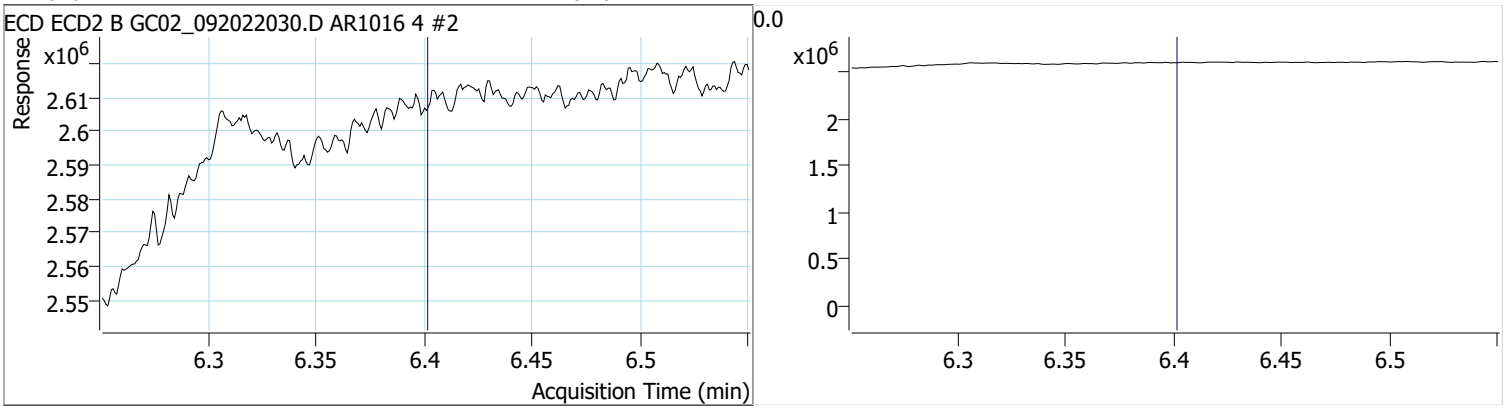
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	7.1966	6.29	0.04	2006866				



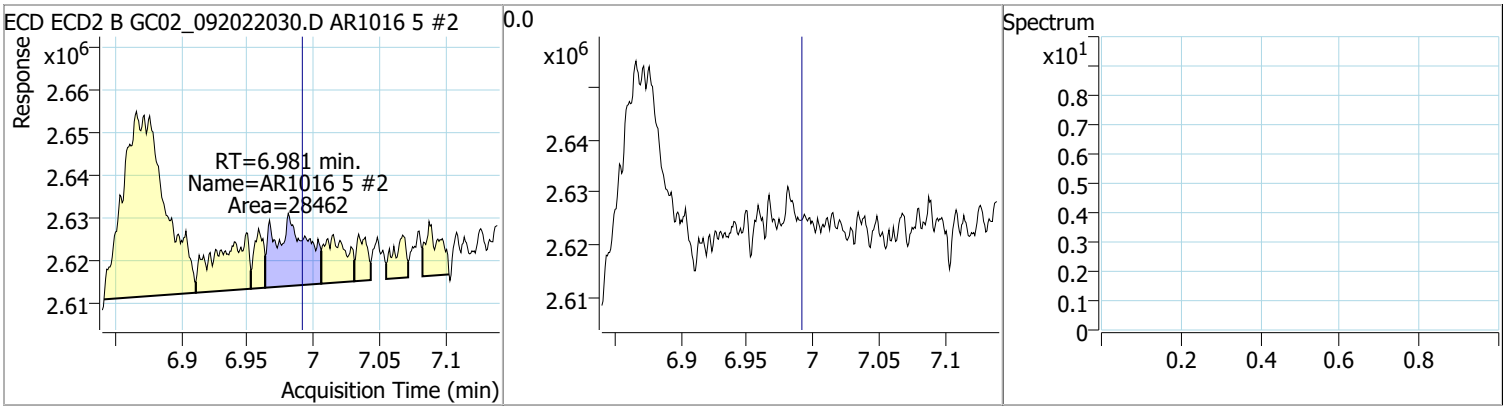
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	15.7357	6.13	-0.13	349694				



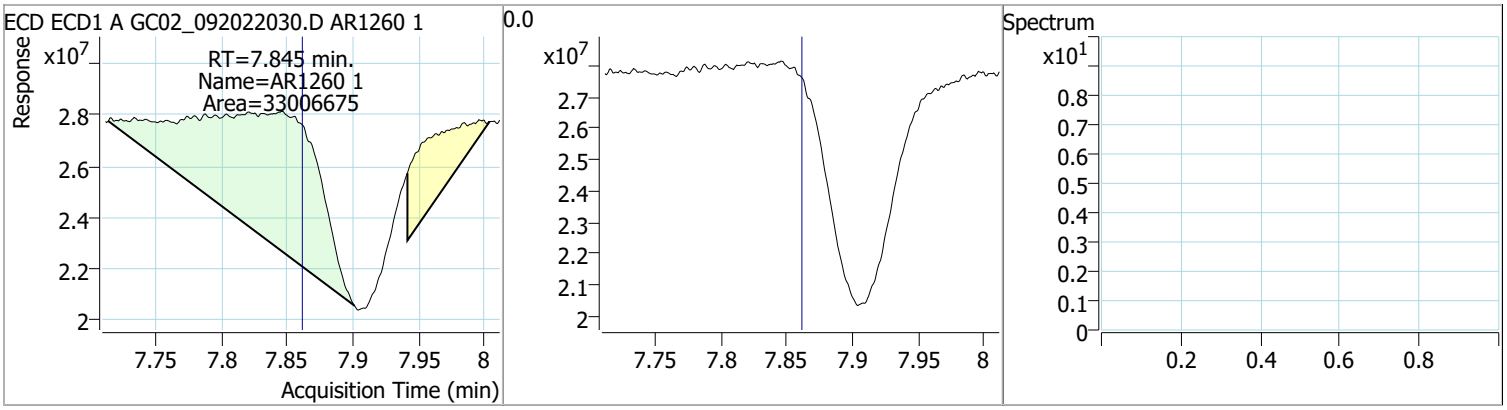
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 4 #2	N.D.	6.40		



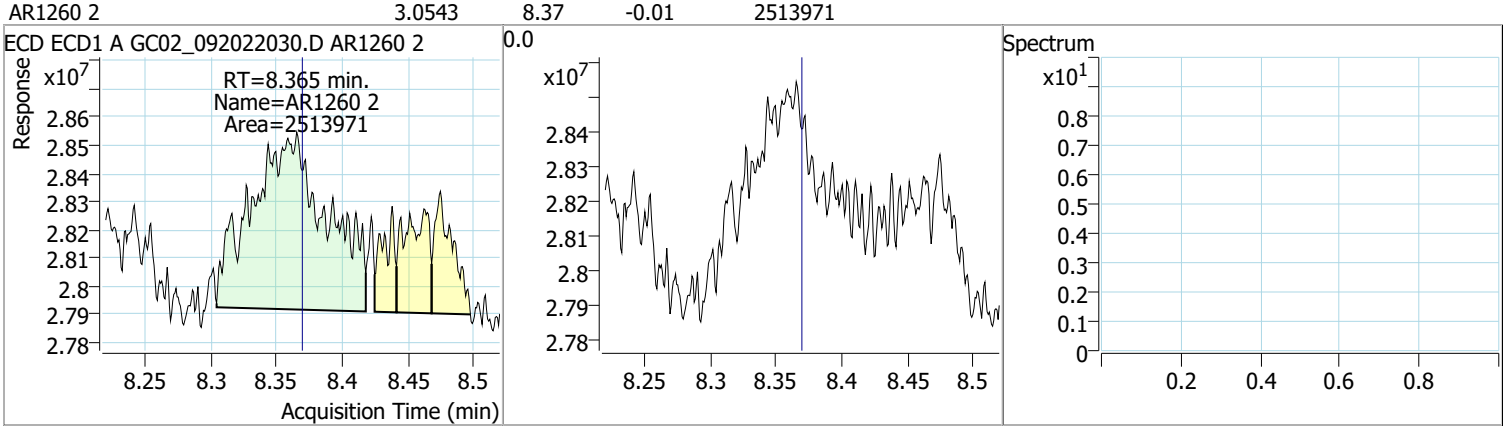
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.0150	6.98	-0.01	28462				



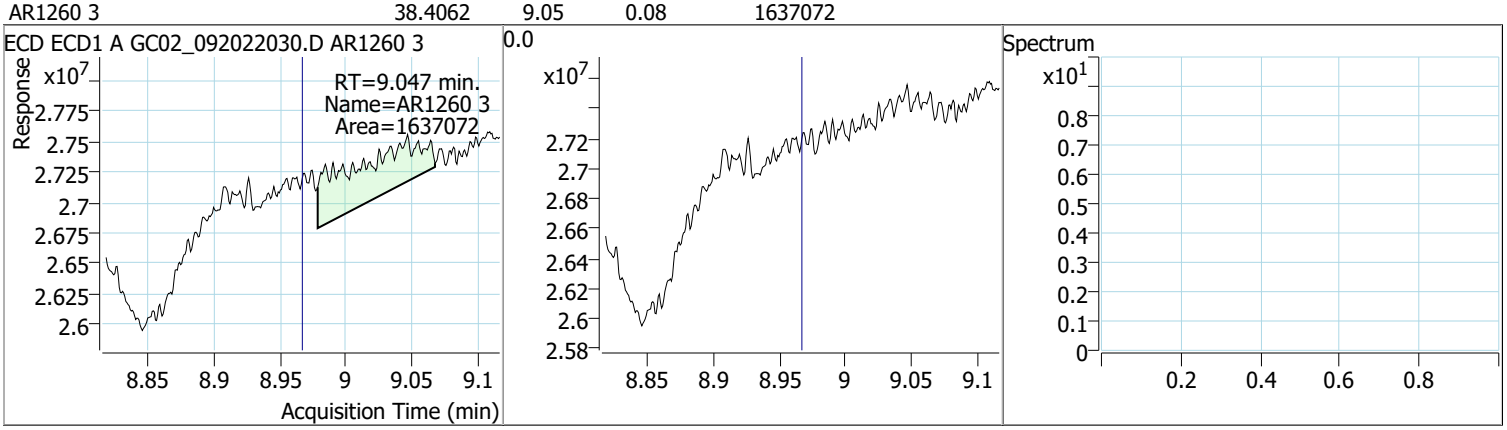
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	61.2987	7.85	-0.02	33006675				



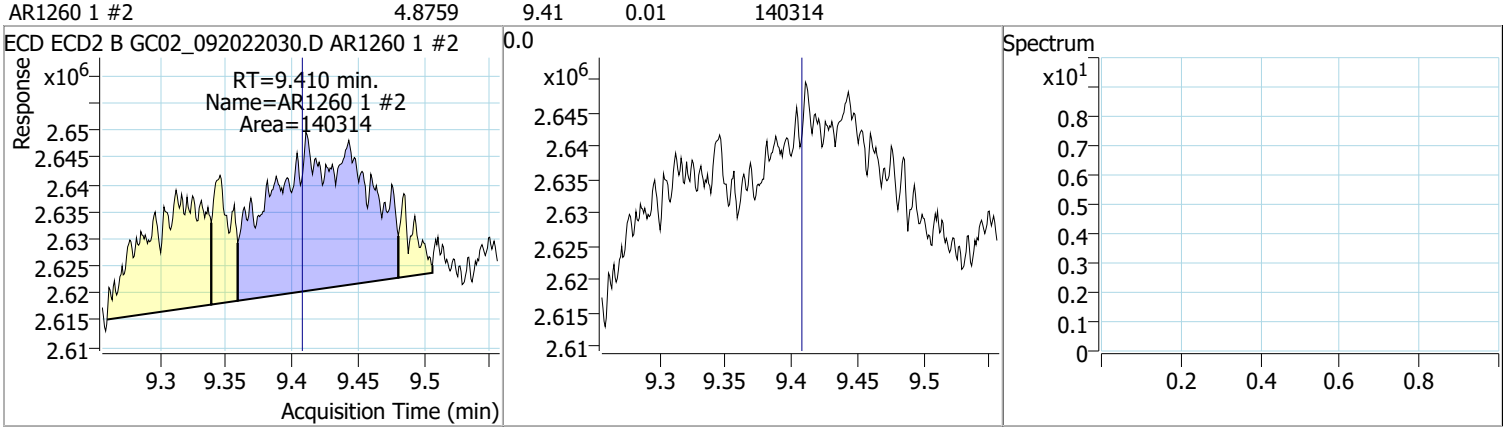
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.0543	8.37	-0.01	2513971				



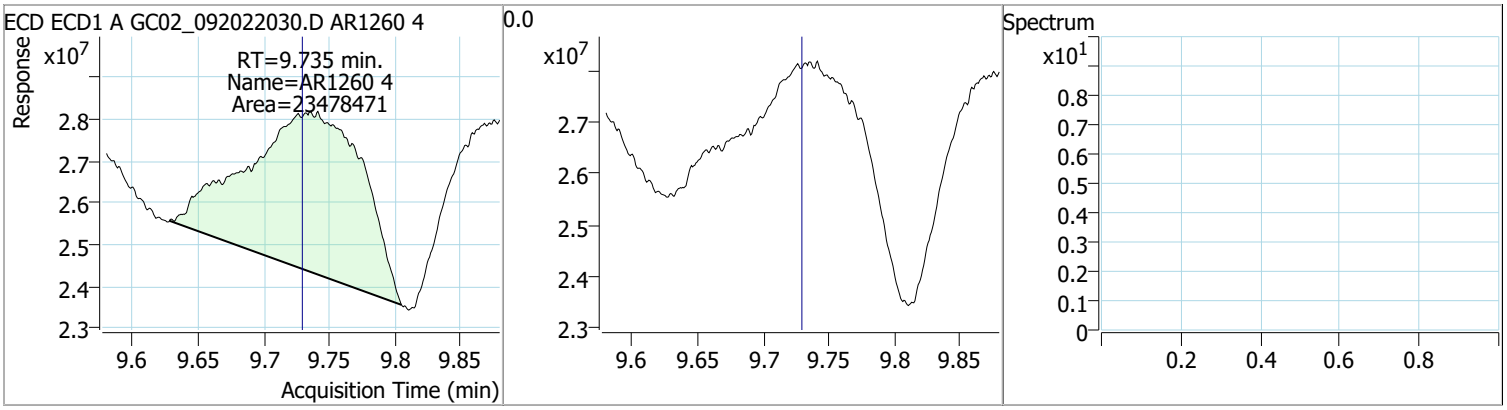
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	38.4062	9.05	0.08	1637072				



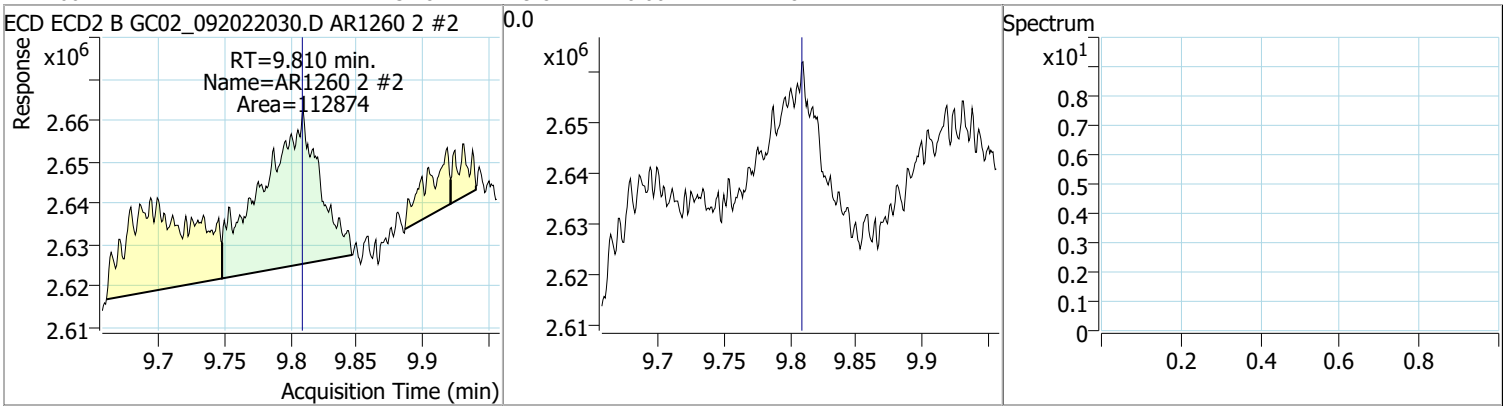
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	4.8759	9.41	0.01	140314				



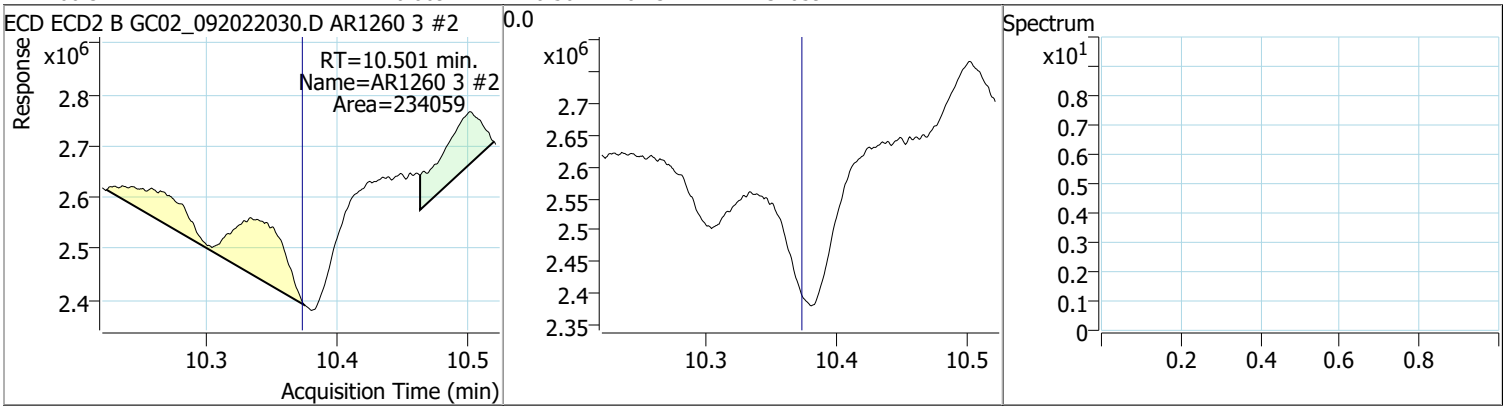
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.3895	9.74	0.00	23478471				



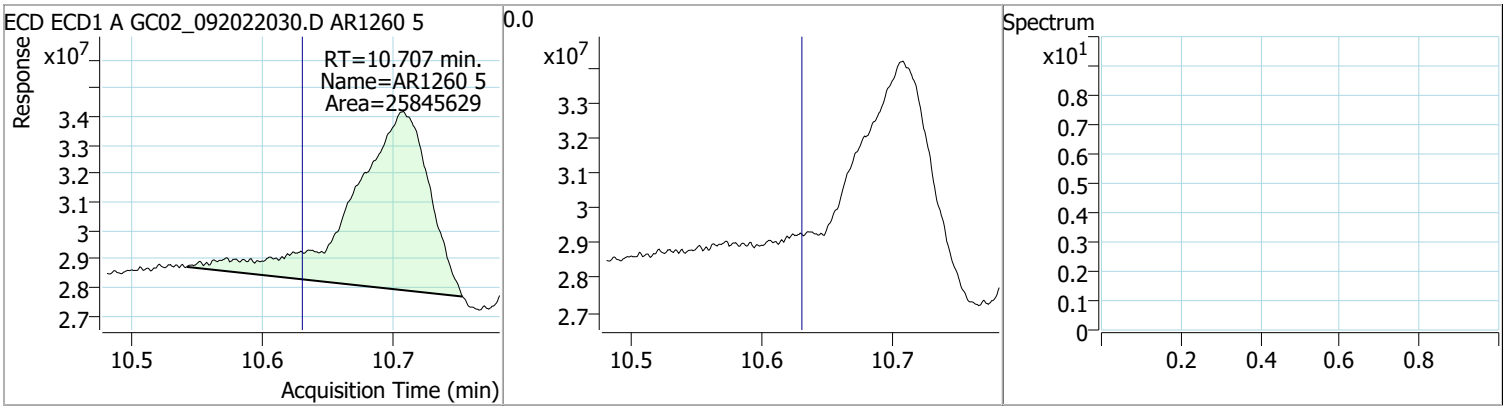
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.4812	9.81	0.00	112874				



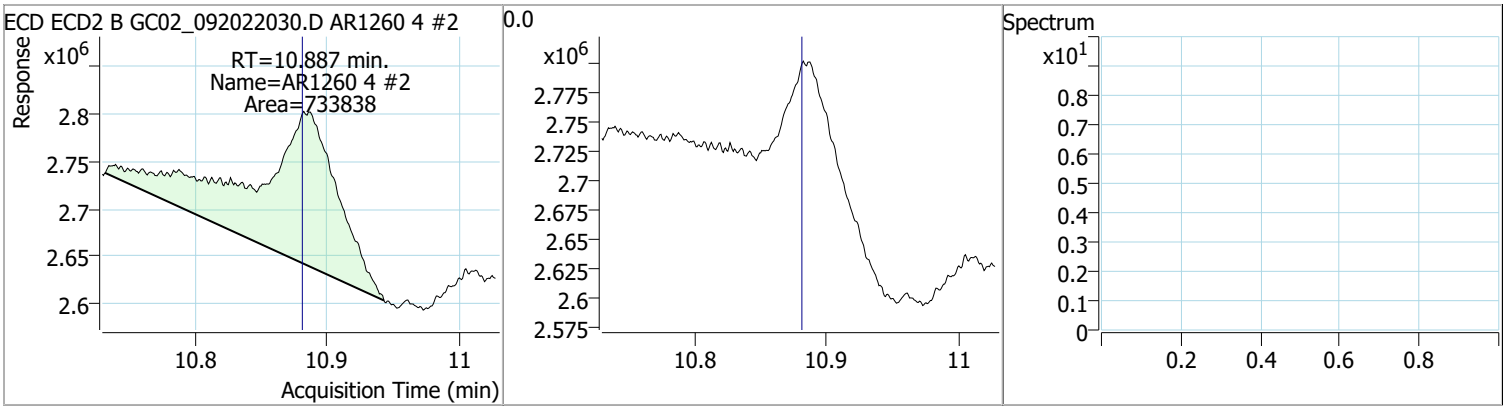
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	6.0694	10.50	0.13	234059				



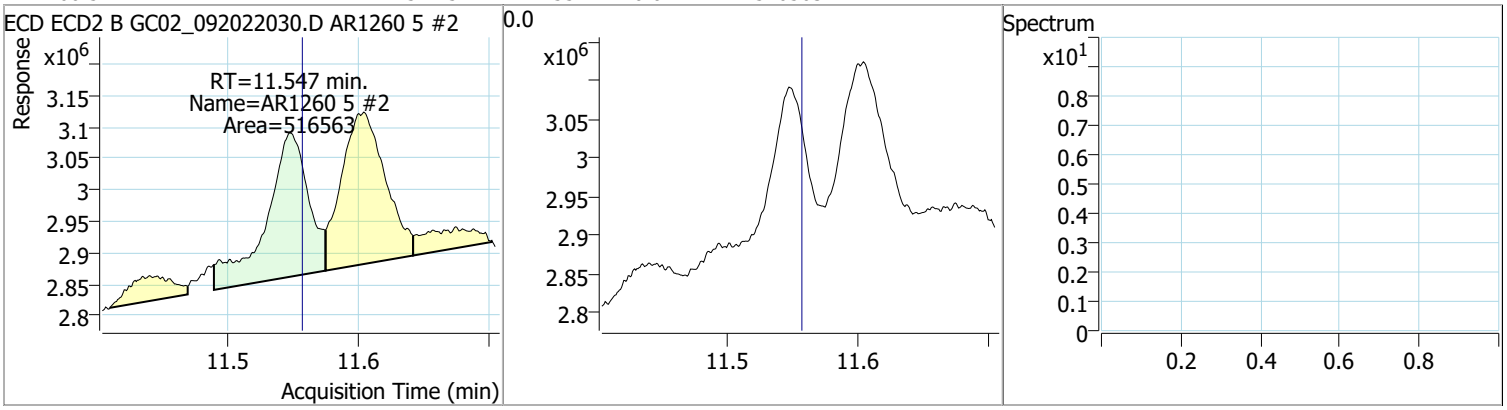
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	35.6849	10.71	0.08	25845629				



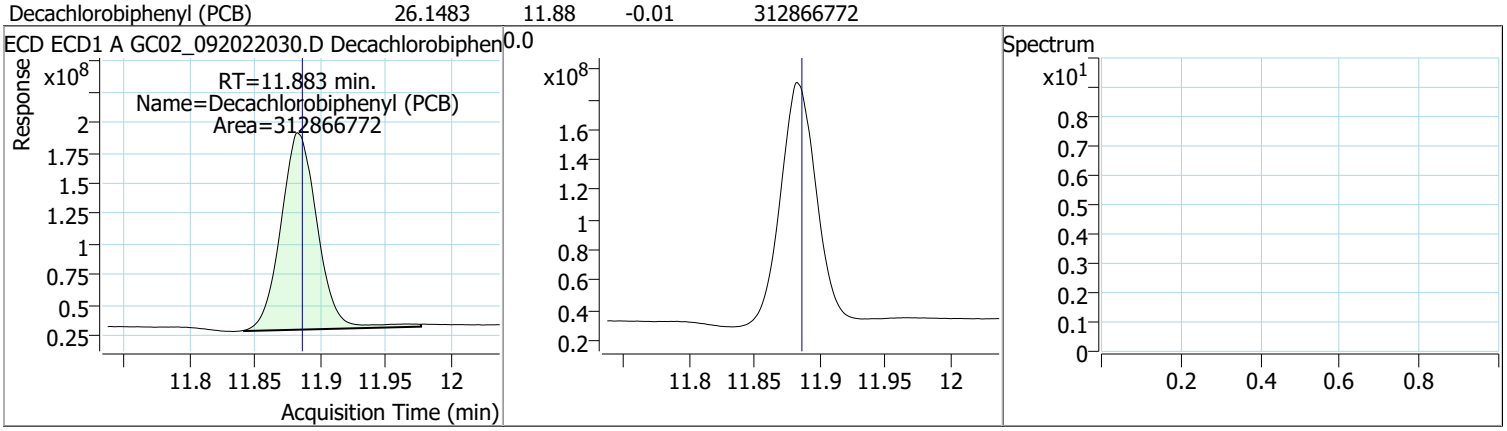
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	33.0373	10.89	0.01	733838				



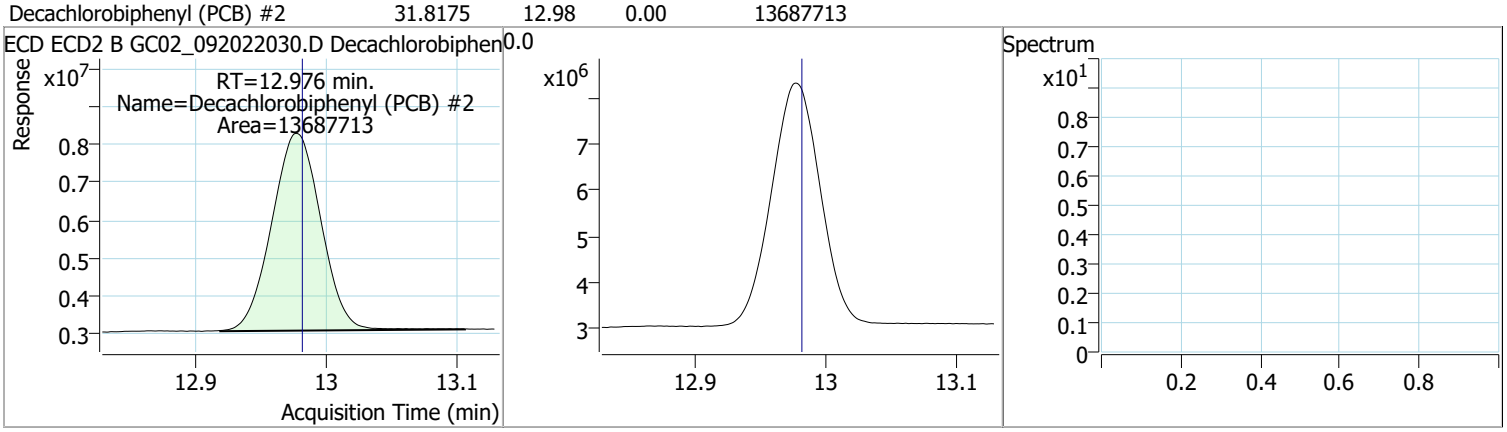
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	15.7157	11.55	-0.01	516563				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.1483	11.88	-0.01	312866772				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.8175	12.98	0.00	13687713				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	469273-004	Client ID:	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-P-DUP-LA
Seqnum:	212379627031.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_092022-031	Batch:	297328	Time:	20-SEP-2022 22:27
Cal:	212360956002	Caldate:	07-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	10.20	ND	0.37	57%	1.0		u
Aroclor-1016 Peak # 1	B	11.87	0.24	0.68	96%			
Aroclor-1016 Peak # 2	B	10.28	0.21	0.04	135%			
Aroclor-1016 Peak # 3	B	23.14	0.46	0.81	55%			
Aroclor-1016 Peak # 4	B	5.083	0.10	0.17	53%			
Aroclor-1016 Peak # 5	B	0.6251	0.01	0.12	162%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	14.18	ND	0.60	71%	1.0		u
Aroclor-1260 Peak # 1	B	4.842	0.10	1.23	171%			
Aroclor-1260 Peak # 2	B	4.119	0.08	0.09	6%			
Aroclor-1260 Peak # 3	B	8.813	0.18	0.75	124%			
Aroclor-1260 Peak # 4	B	36.78	0.74	0.85	14%			
Aroclor-1260 Peak # 5	B	16.36	0.33	0.06	135%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	30.96	1.000	0.6192	62	52-186	c+ u
Decachlorobiphenyl (PCB)	B	33.04	1.000	0.6607	66	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_092022-008)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5202550	7062930	35.76
1-bromo-2-nitrobenzene (PCB)	A	156453134	201466086	28.77

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

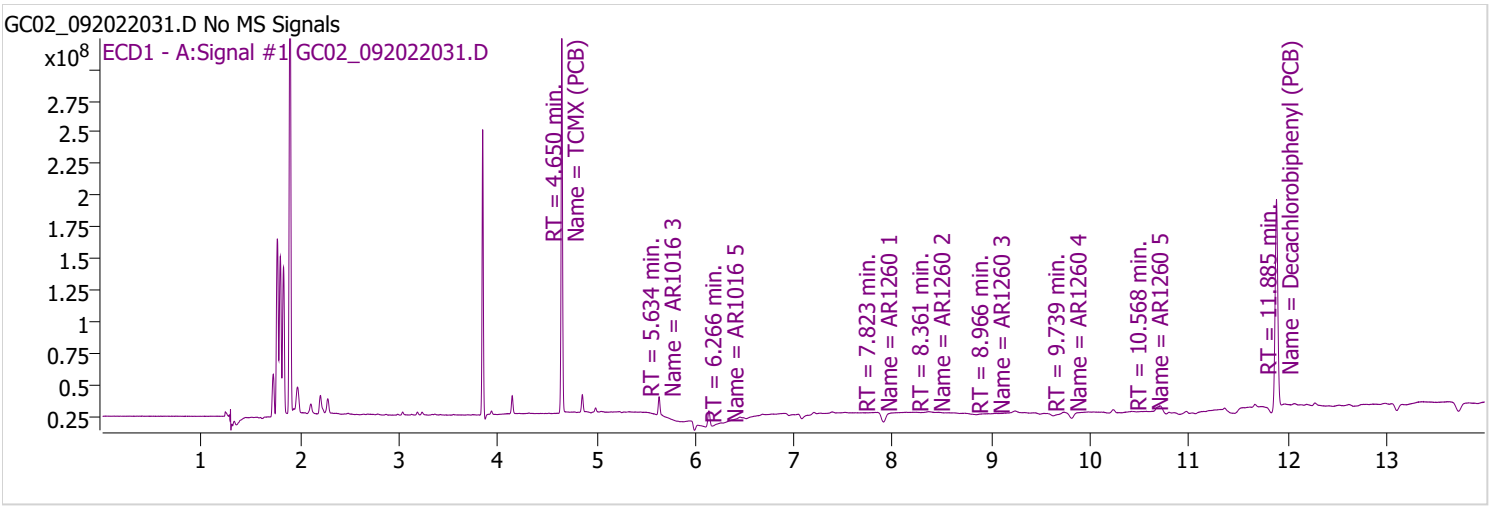
ISTD (CCV gc02_092022-008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

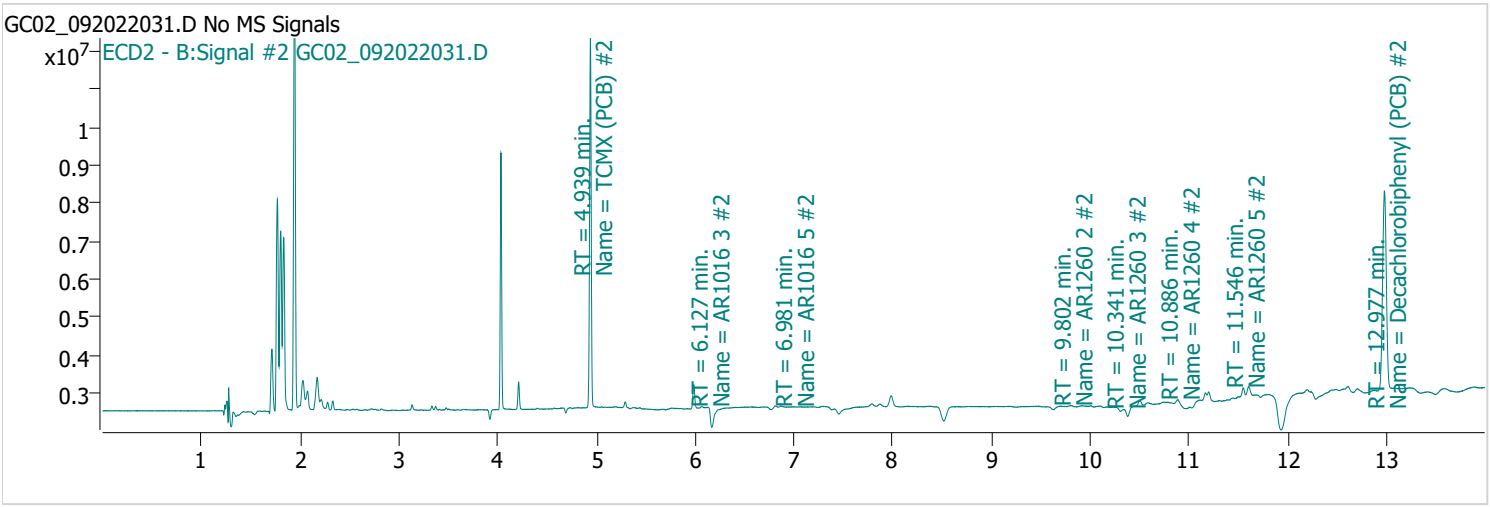
Analyst: TJW 09/21/22 *

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092022031.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/20/2022 10:27:06 PM
Sample Name	469273-004, 297328, 1	Instrument	SVOA-GC02
Vial	19	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_8.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	092022PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



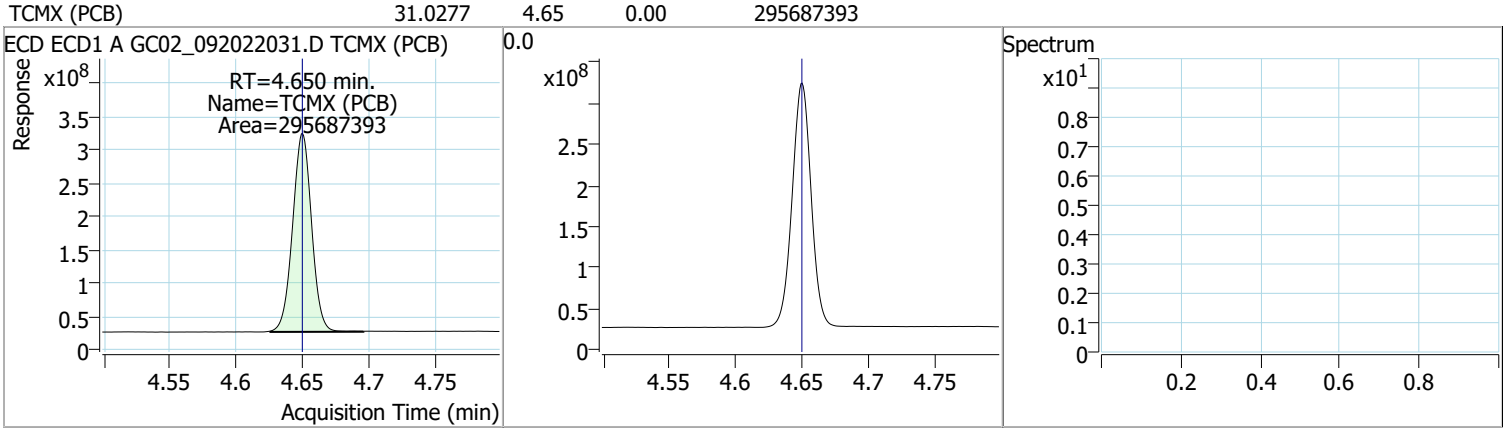


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.849	0.0	201466085.908	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.033	0.0	7062929.768	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.650	0.0	295687392.651	31.0277	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.14%		*	
S TCMX (PCB) #2	4.939	0.0	11357143.991	30.9620	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.81%		*	
S Decachlorobiphenyl (PCB)	11.885	0.0	323510304.177	26.9709	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 134.85%			
S Decachlorobiphenyl (PCB) #2	12.977	0.0	13971164.763	33.0375	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.19%		*	
Target Compounds							QValue

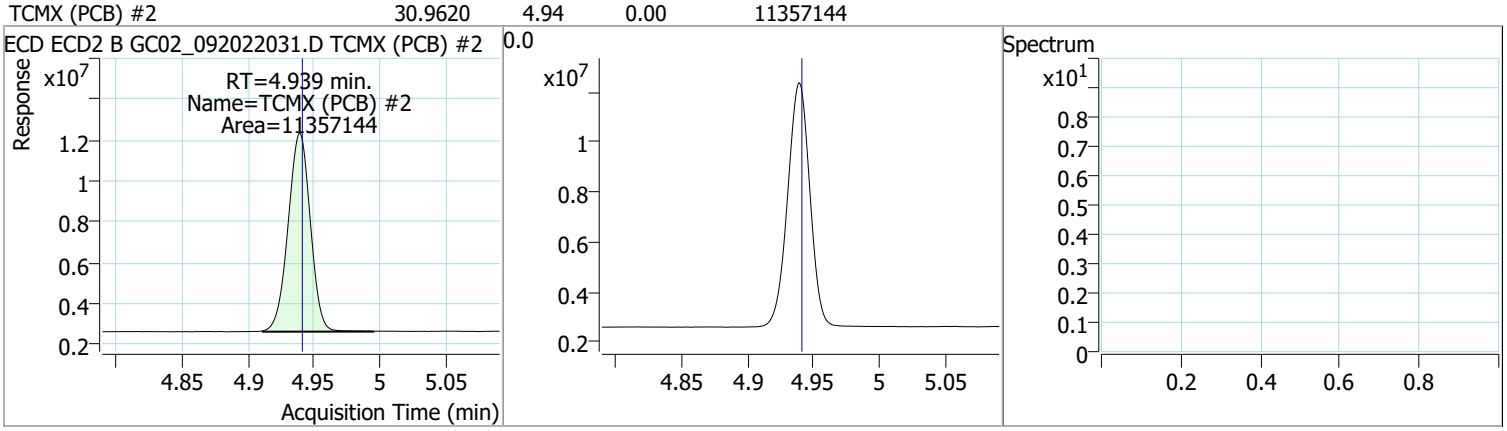
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.992	0.0	6012604.975	33.9334	ng/ml	100
T AR1016 2	5.276	0.0	680880.946	1.9905	ng/ml	100
T AR1016 1 #2	5.378	0.0	105940.963	11.8708	ng/ml	100
T AR1016 3	5.634	0.0	20964604.490	40.6677	ng/ml	100
T AR1016 2 #2	5.766	0.0	185186.181	10.2773	ng/ml	100
T AR1016 4	5.938	0.0	2645588.460	8.7161	ng/ml	100
T AR1016 5	6.266	0.0	1688912.232	6.0415	ng/ml	100
T AR1016 3 #2	6.127	0.0	505532.034	23.1412	ng/ml	100
T AR1016 4 #2	6.332	0.0	87558.347	5.0826	ng/ml	100
T AR1016 5 #2	6.981	0.0	8679.663	0.6251	ng/ml	100
T AR1260 1	7.823	0.0	33086311.043	61.2945	ng/ml	100
T AR1260 2	8.361	0.0	3604428.353	4.3684	ng/ml	100
T AR1260 3	8.966	0.0	839302.874	37.6167	ng/ml	100
T AR1260 1 #2	9.461	0.0	136961.933	4.8417	ng/ml	100
T AR1260 4	9.739	0.0	23590569.588	42.4865	ng/ml	100
T AR1260 2 #2	9.802	0.0	131277.506	4.1188	ng/ml	100
T AR1260 3 #2	10.341	0.0	334095.383	8.8131	ng/ml	100
T AR1260 5	10.568	0.0	2314237.662	3.1873	ng/ml	100
T AR1260 4 #2	10.886	0.0	803175.241	36.7836	ng/ml	100
T AR1260 5 #2	11.546	0.0	528577.738	16.3591	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

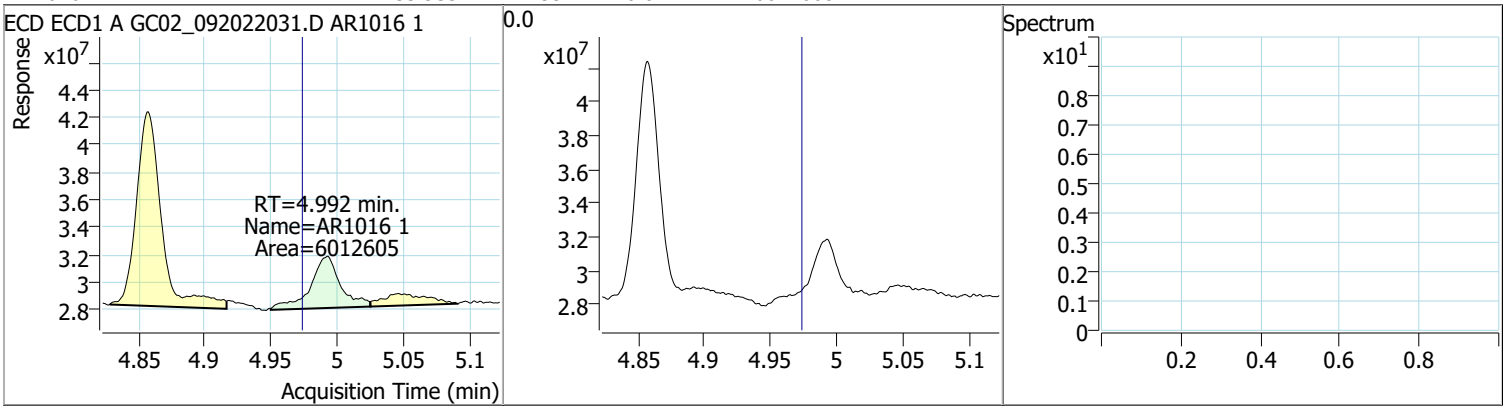
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.0277	4.65	0.00	295687393				



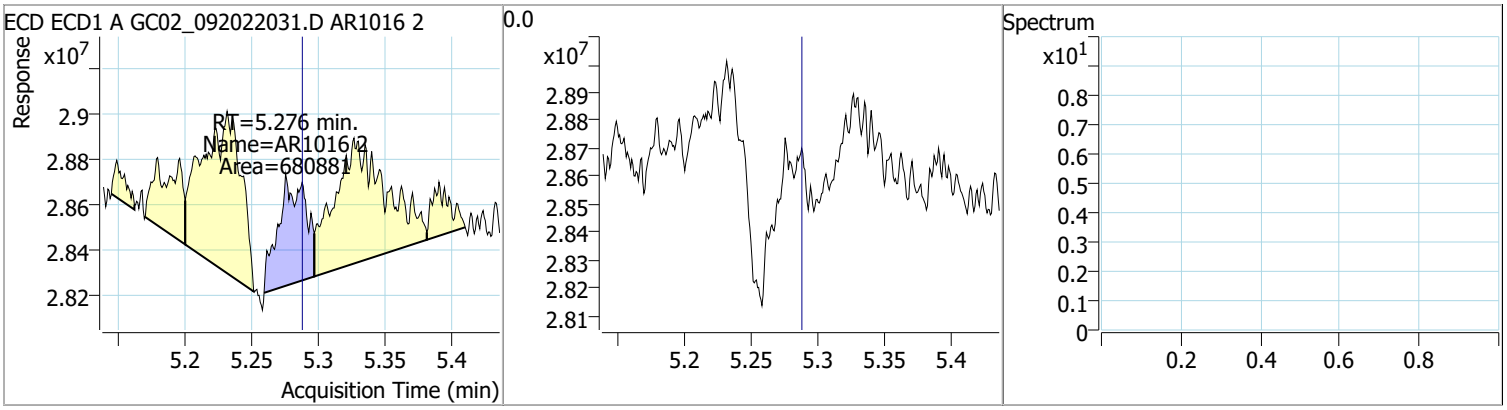
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.9620	4.94	0.00	11357144				



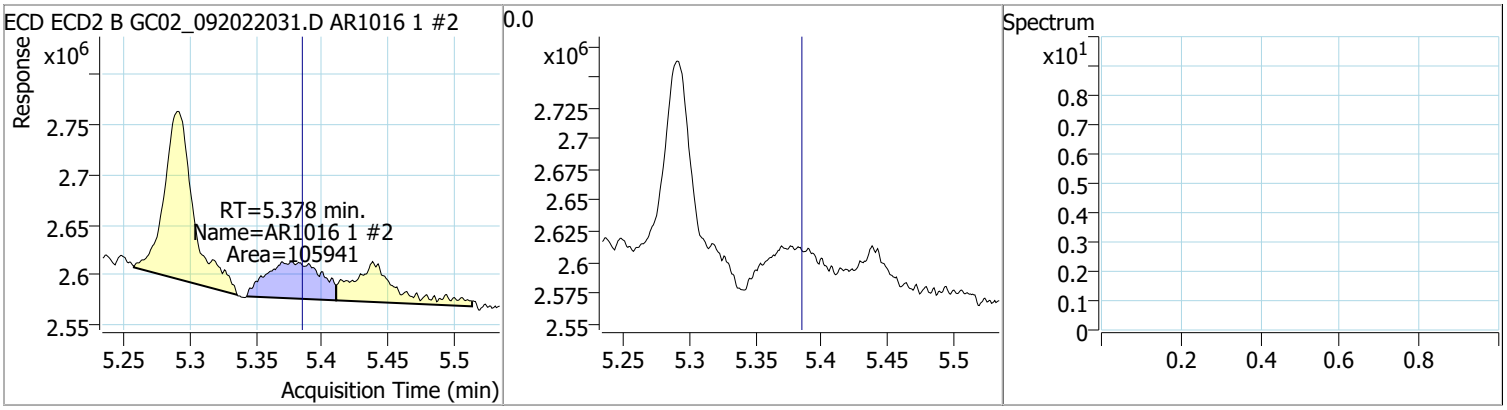
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	33.9334	4.99	0.02	6012605				



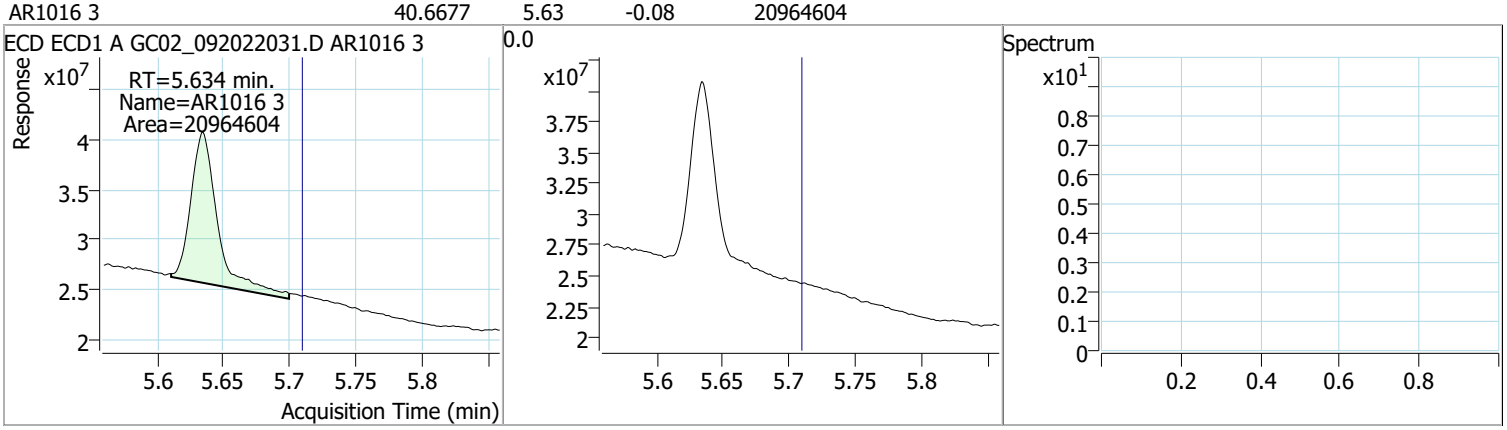
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.9905	5.28	-0.01	680881				



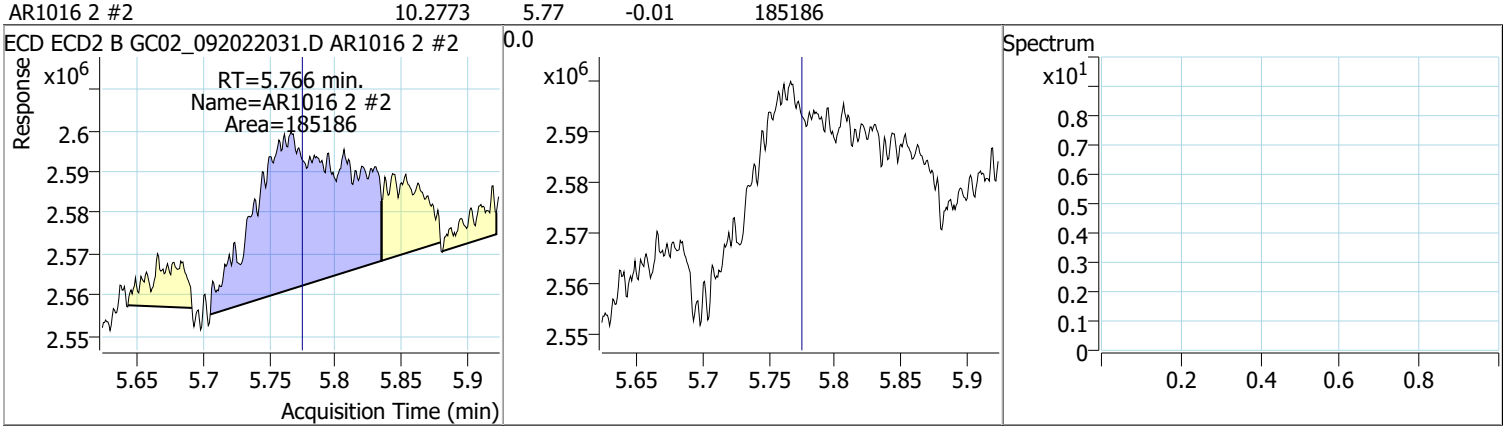
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	11.8708	5.38	-0.01	105941				



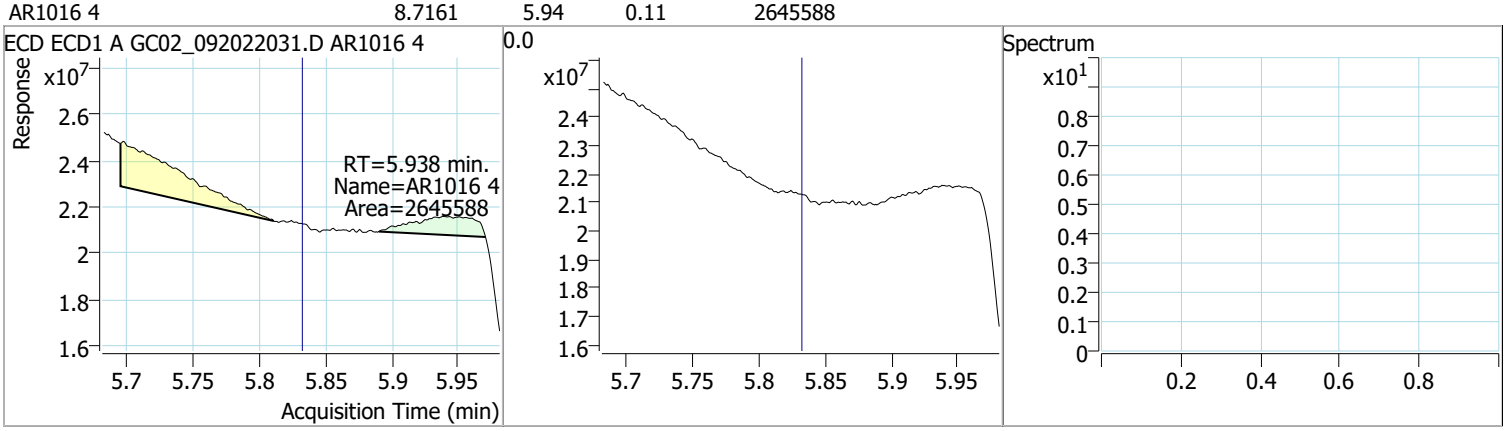
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	40.6677	5.63	-0.08	20964604				



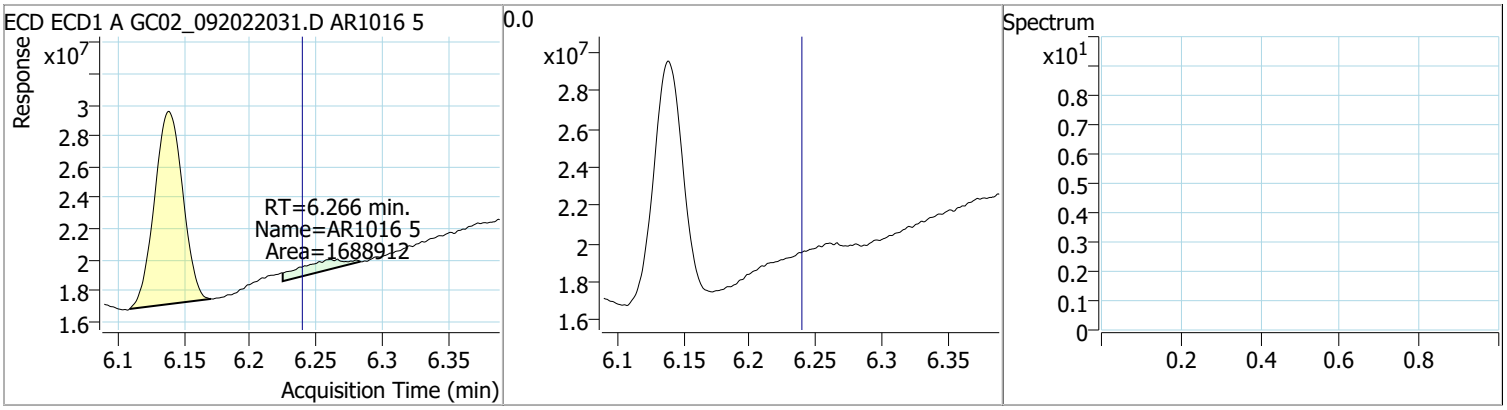
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	10.2773	5.77	-0.01	185186				



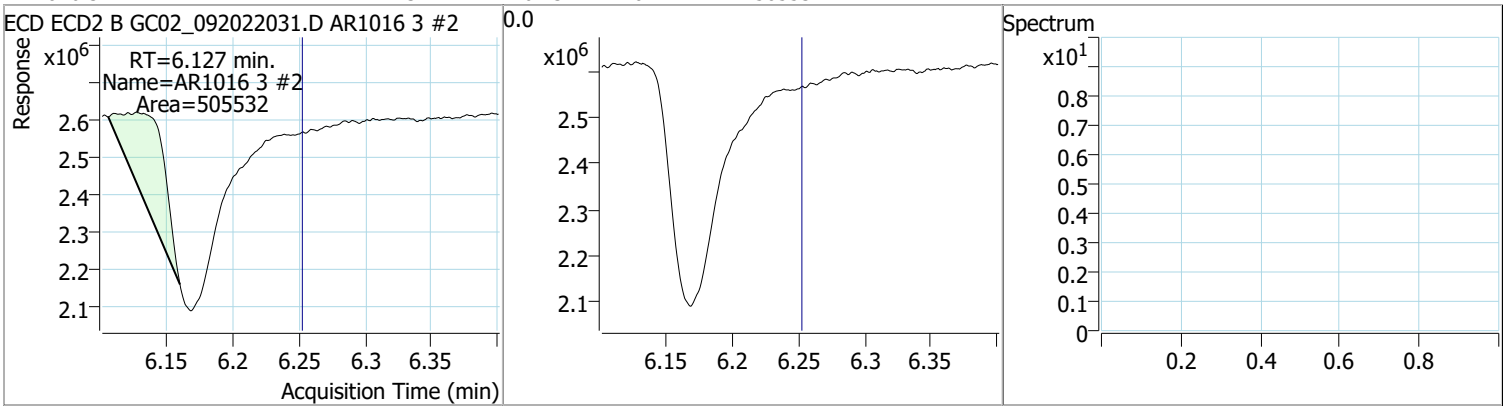
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	8.7161	5.94	0.11	2645588				



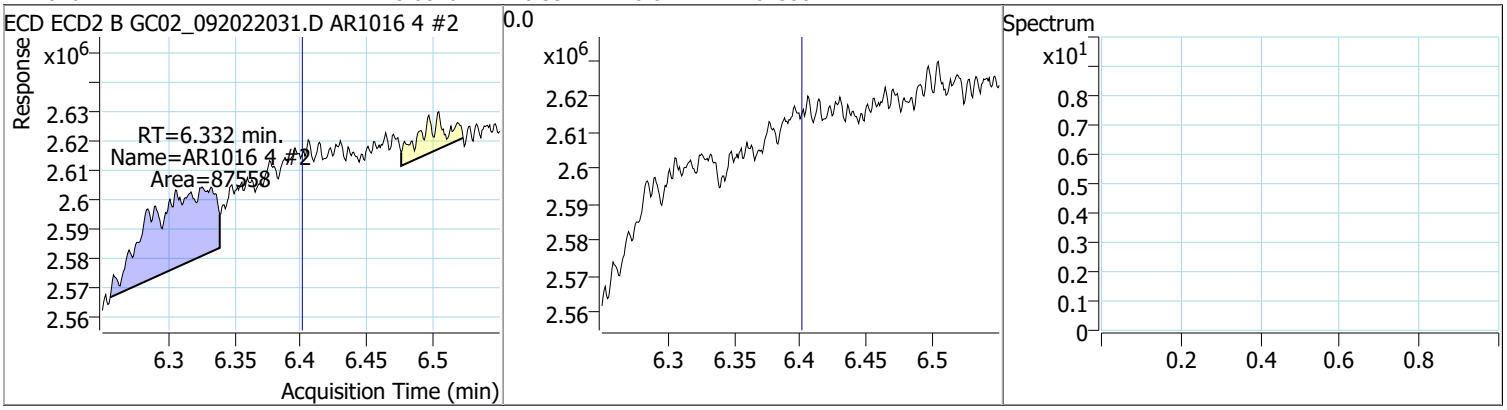
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	6.0415	6.27	0.03	1688912				



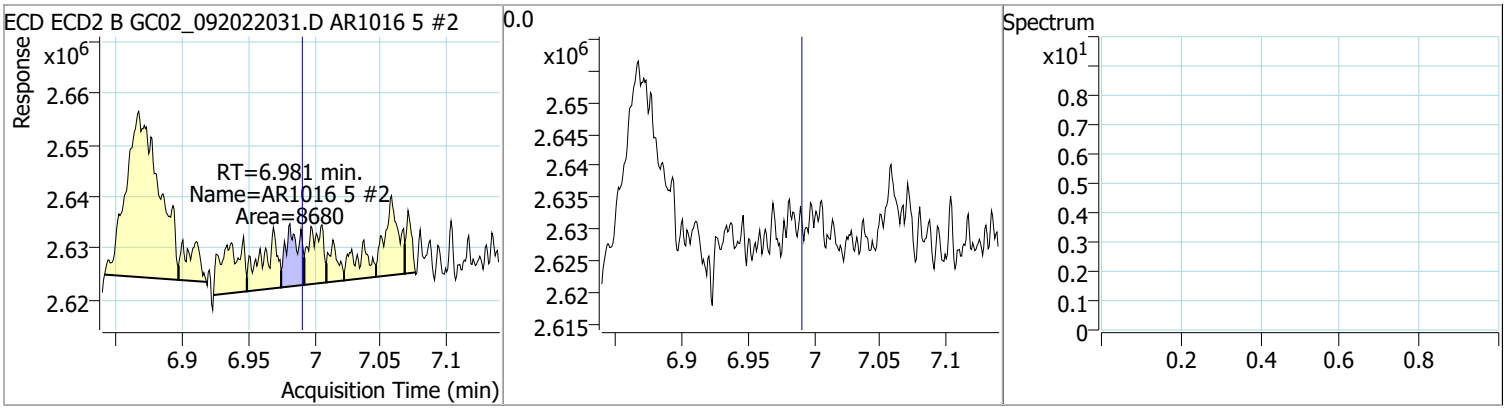
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	23.1412	6.13	-0.12	505532				



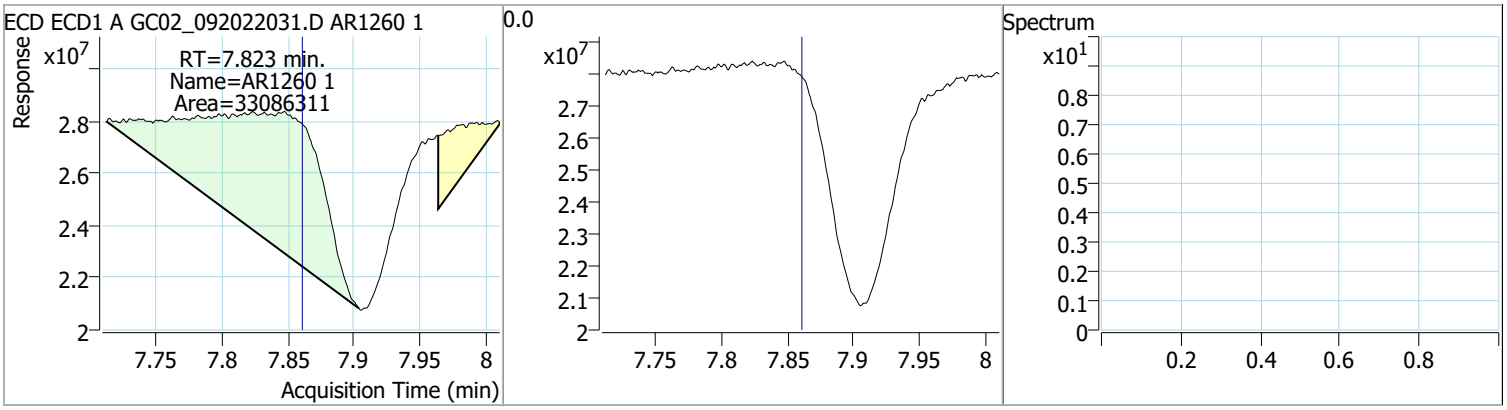
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AR1016 4 #2	5.0826	6.33	-0.07	87558				



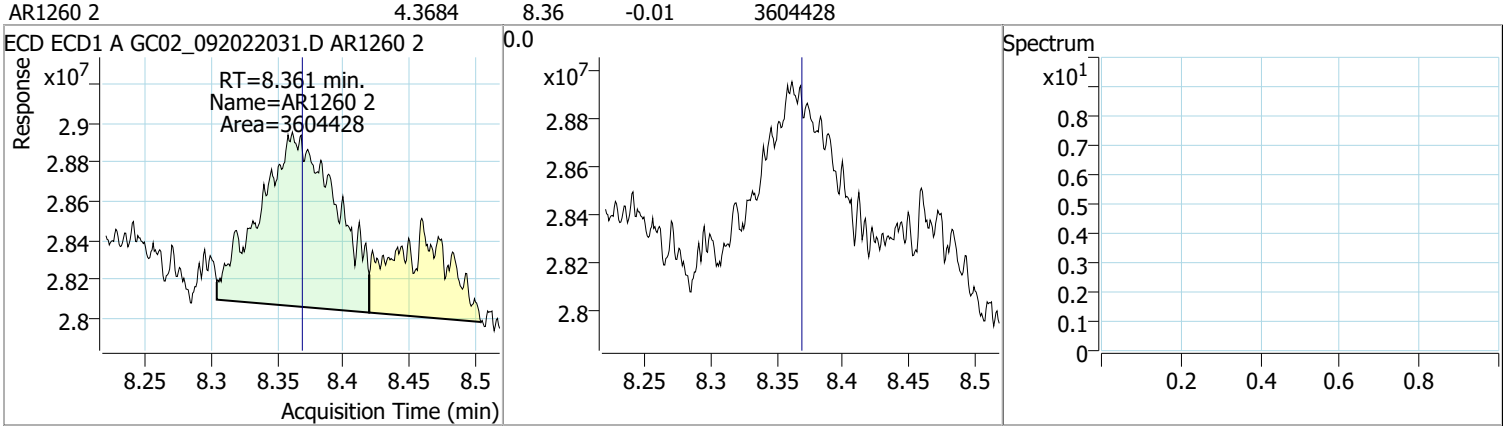
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.6251	6.98	-0.01	8680				



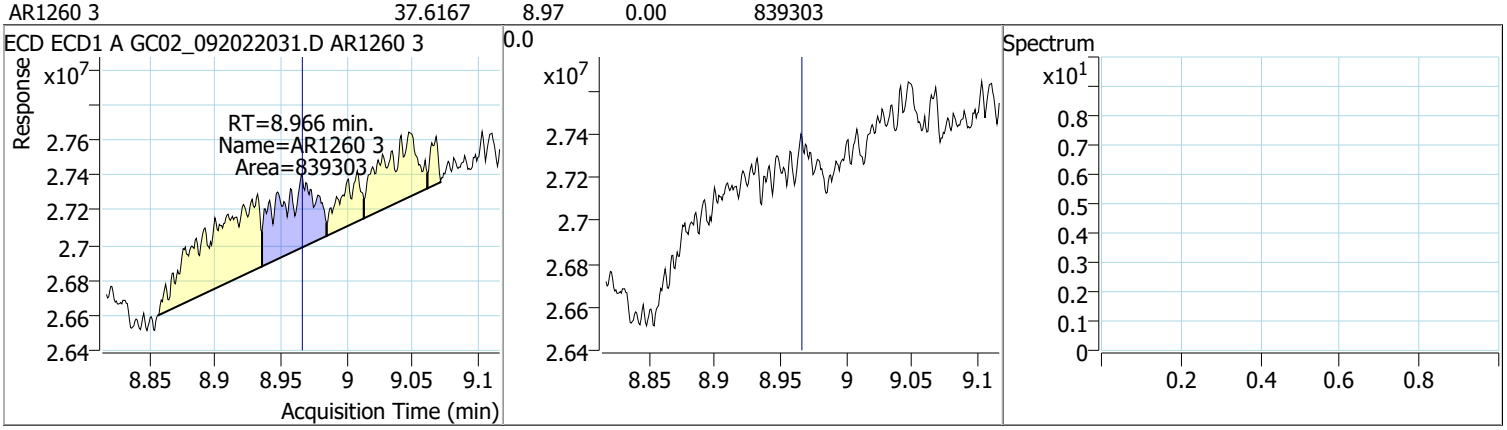
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	61.2945	7.82	-0.04	33086311				



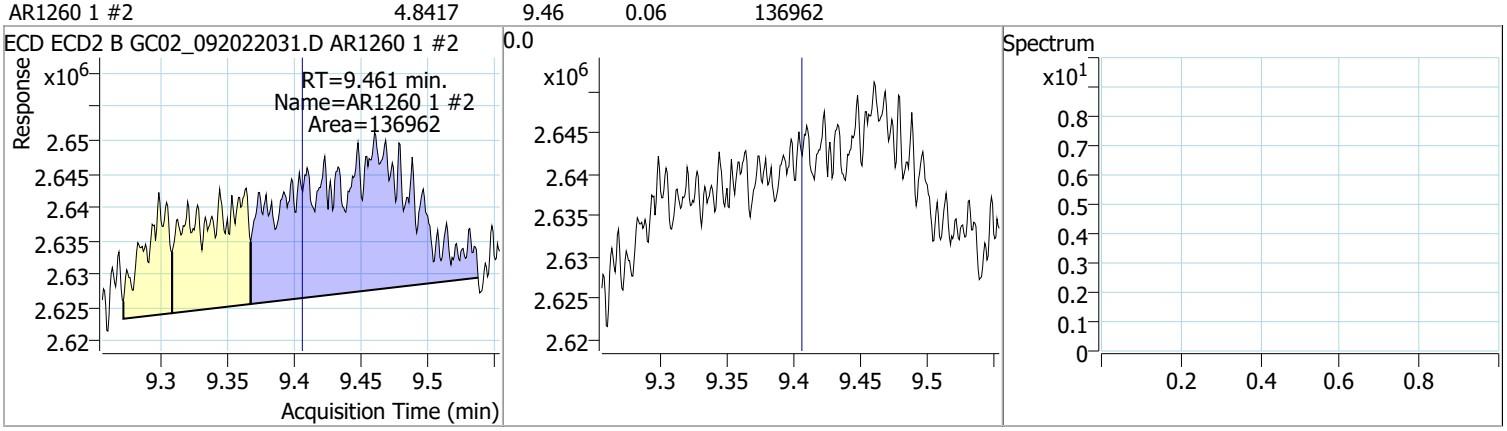
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.3684	8.36	-0.01	3604428				



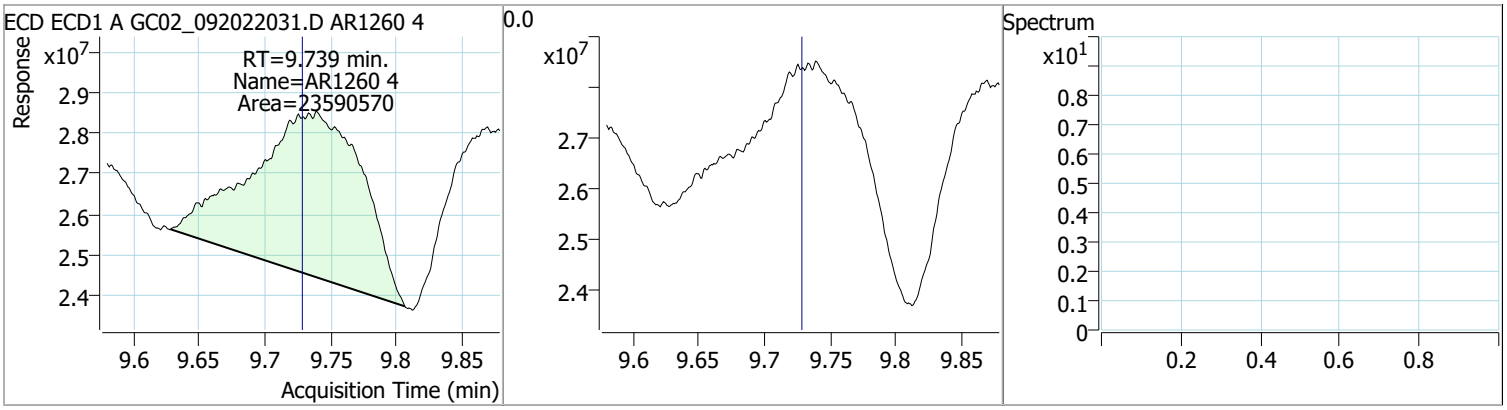
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	37.6167	8.97	0.00	839303				



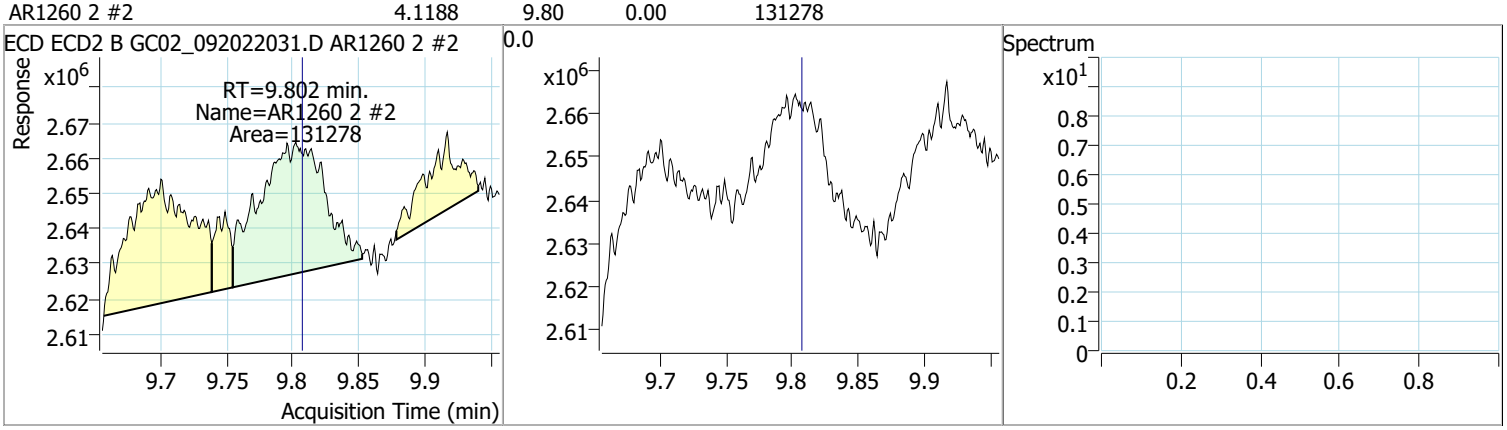
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	4.8417	9.46	0.06	136962				



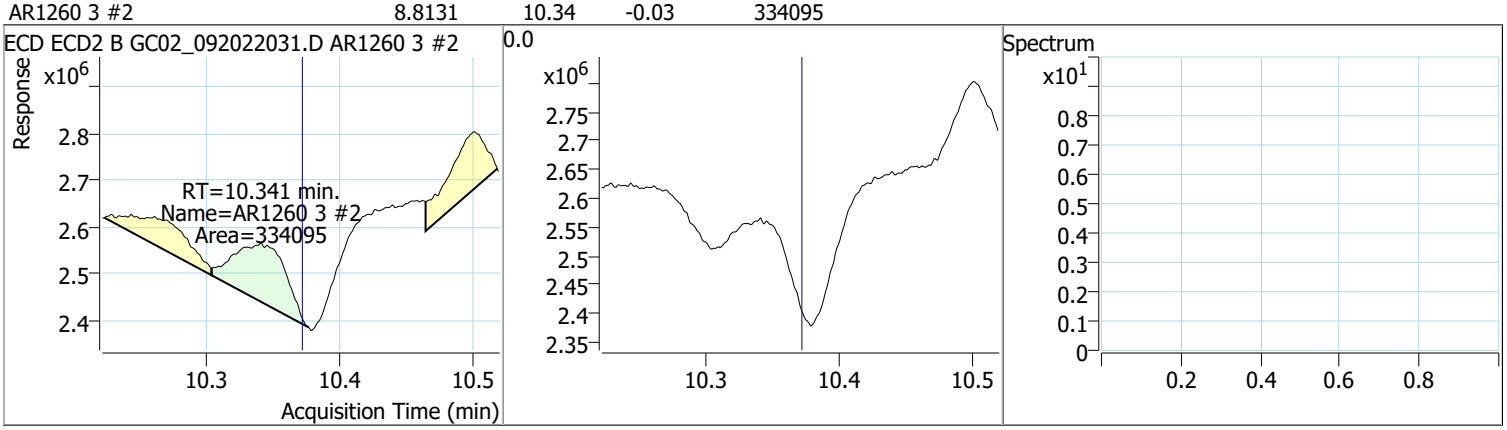
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.4865	9.74	0.01	23590570				



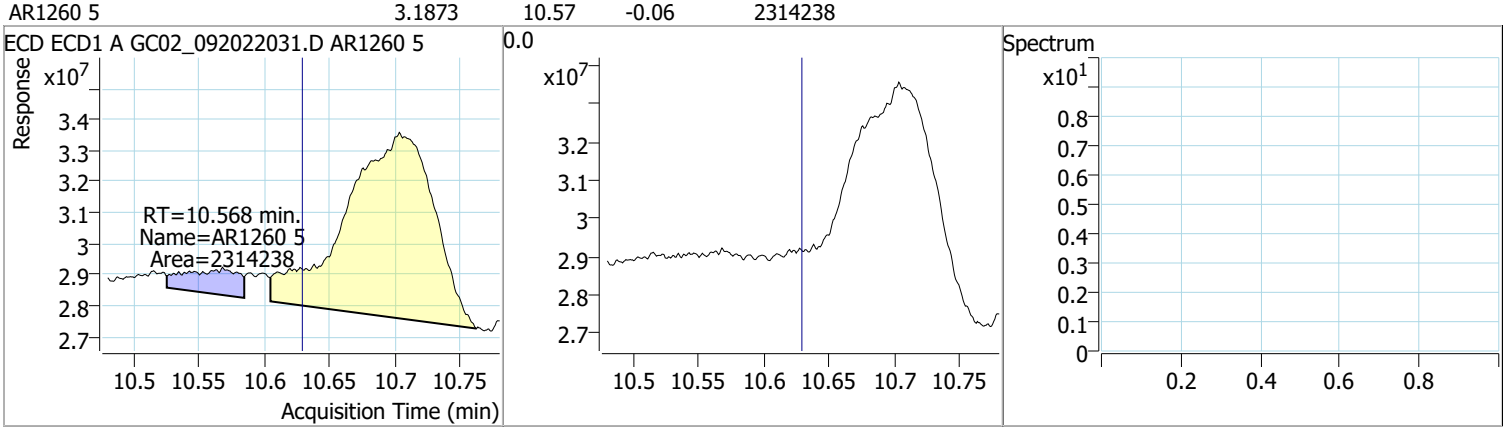
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.1188	9.80	0.00	131278				



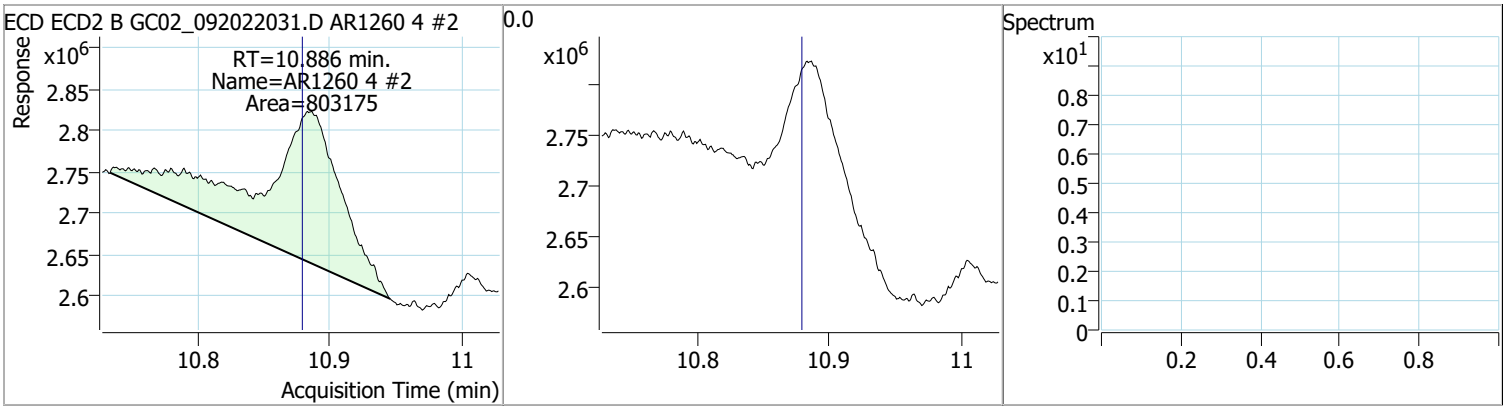
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.8131	10.34	-0.03	334095				



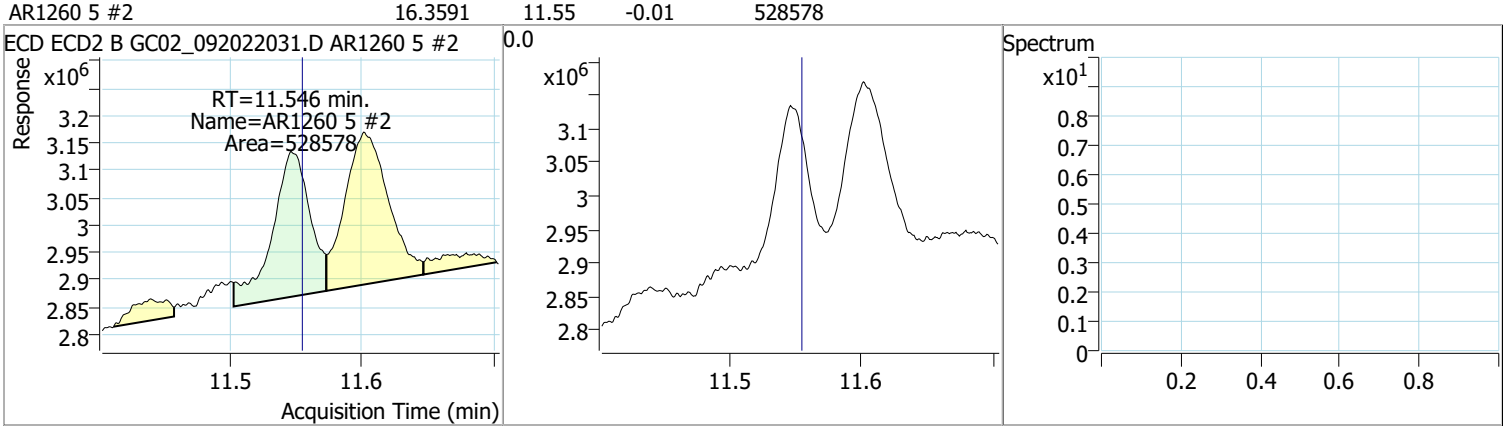
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	3.1873	10.57	-0.06	2314238				



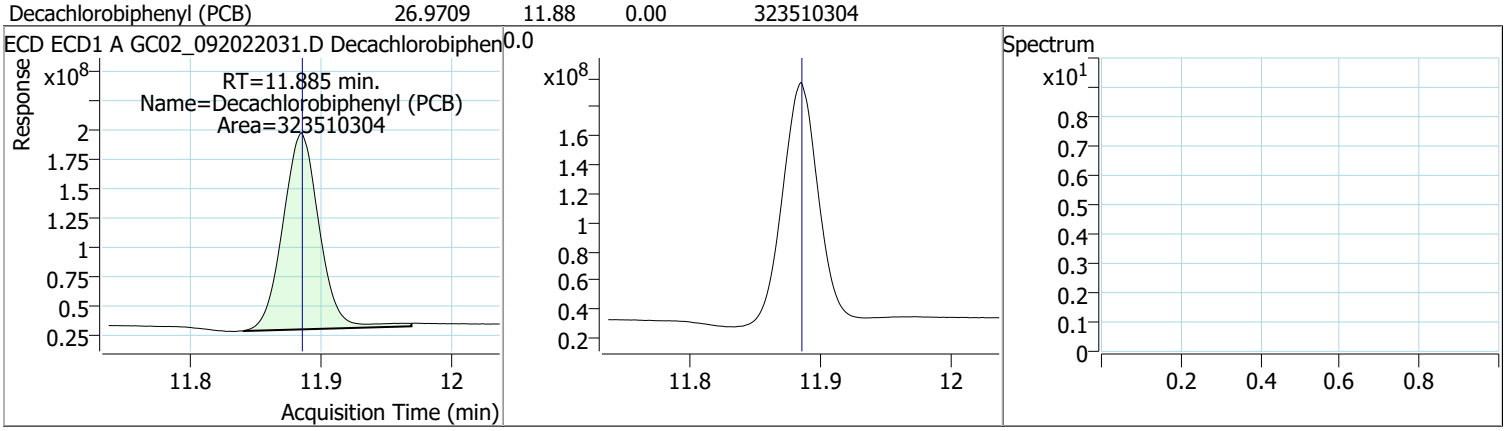
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	36.7836	10.89	0.01	803175				



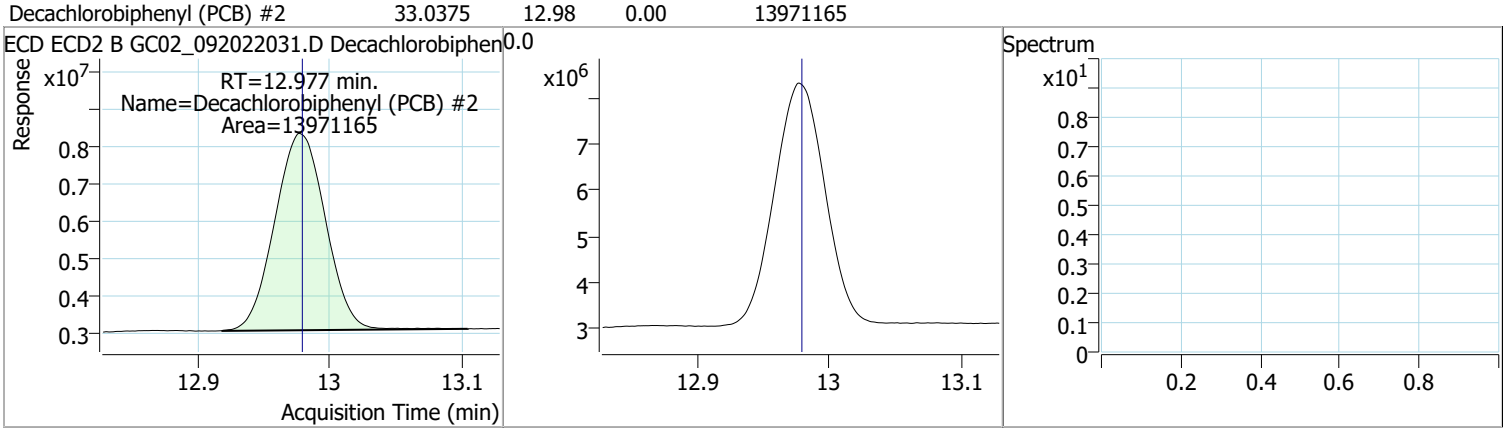
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	16.3591	11.55	-0.01	528578				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.9709	11.88	0.00	323510304				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.0375	12.98	0.00	13971165				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	469273-006	Client ID:	ARCH-C2E-INT-4.5 TO 5.5-220915-P-WF
Seqnum:	212379627032.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_092022-032	Batch:	297328	Time:	20-SEP-2022 22:44
Cal:	212360956002	Caldate:	07-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	10.68	ND	0.51	82%	1.0		u
Aroclor-1016 Peak # 1	B	8.051	0.16	0.61	117%			
Aroclor-1016 Peak # 2	B	6.144	0.12	0.04	107%			
Aroclor-1016 Peak # 3	B	28.06	0.56	1.09	64%			
Aroclor-1016 Peak # 4	B	9.543	0.19	0.67	112%			
Aroclor-1016 Peak # 5	B	1.594	0.03	0.15	128%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	12.32	ND	0.59	82%	1.0		u
Aroclor-1260 Peak # 1	B	1.670	0.03	1.21	189%			
Aroclor-1260 Peak # 2	B	2.922	0.06	0.09	38%			
Aroclor-1260 Peak # 3	B	11.73	0.23	0.74	104%			
Aroclor-1260 Peak # 4	B	34.40	0.69	0.84	20%			
Aroclor-1260 Peak # 5	B	10.87	0.22	0.06	110%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	31.49	1.000	0.6298	63	52-186	c+ u
Decachlorobiphenyl (PCB)	B	33.14	1.000	0.6628	66	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_092022-008)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5202550	7060474	35.71
1-bromo-2-nitrobenzene (PCB)	A	156453134	201139041	28.56

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

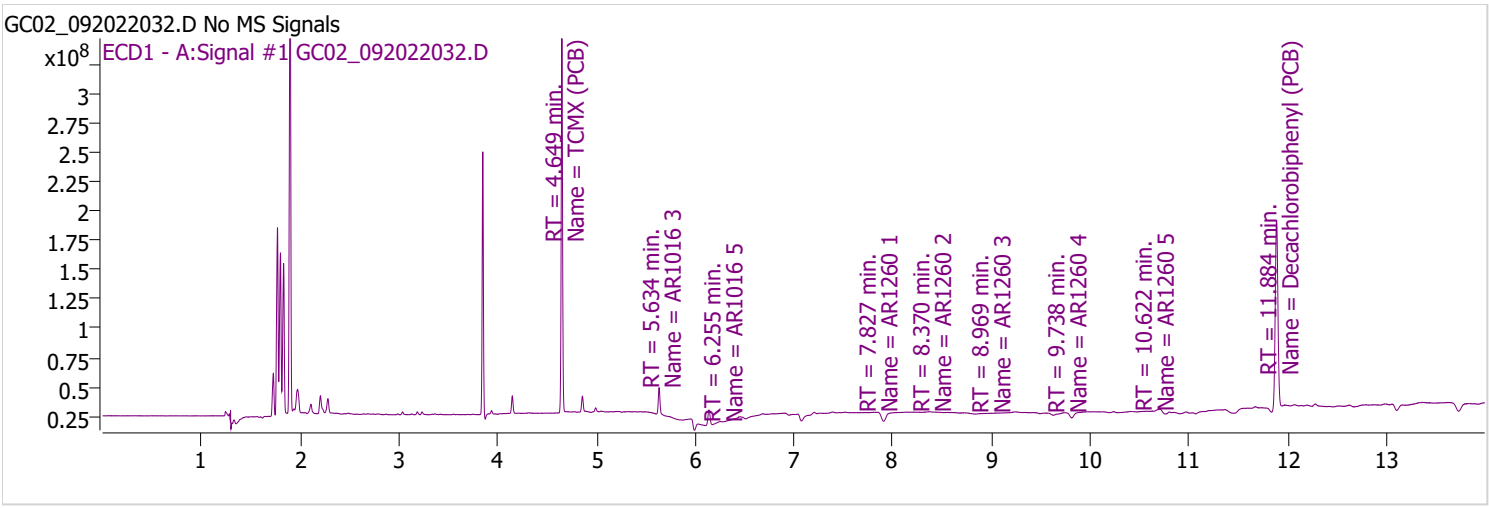
ISTD (CCV gc02_092022-008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

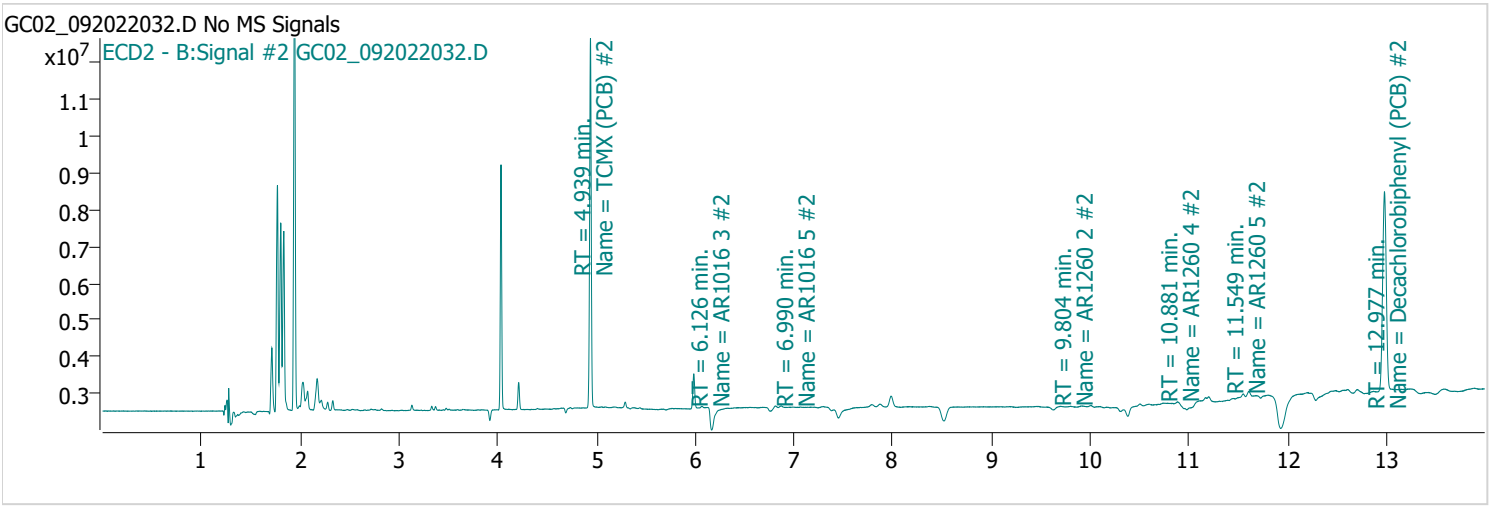
Analyst: TJW 09/21/22 *

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092022032.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/20/2022 10:44:56 PM
Sample Name	469273-006, 297328, 1	Instrument	SVOA-GC02
Vial	20	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_8.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	092022PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



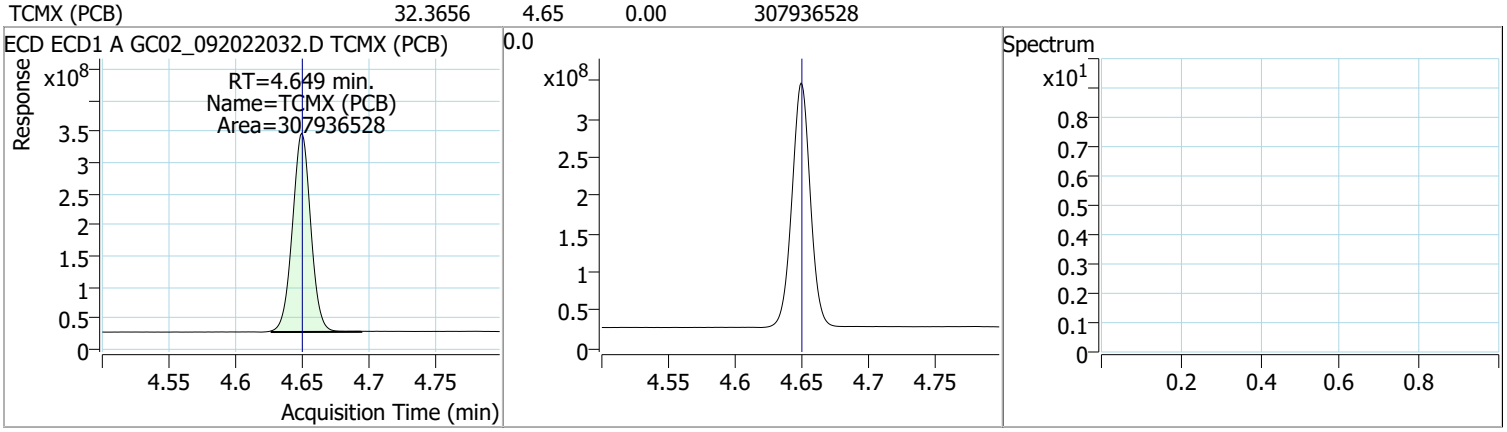


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.849	0.0	201139041.140	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.034	0.0	7060474.121	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.649	0.0	307936527.919	32.3656	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.83%		*	
S TCMX (PCB) #2	4.939	0.0	11546039.344	31.4879	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.44%		*	
S Decachlorobiphenyl (PCB)	11.884	0.0	320874768.851	26.7947	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 133.97%			
S Decachlorobiphenyl (PCB) #2	12.977	0.0	14009280.080	33.1392	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.70%		*	
Target Compounds							QValue

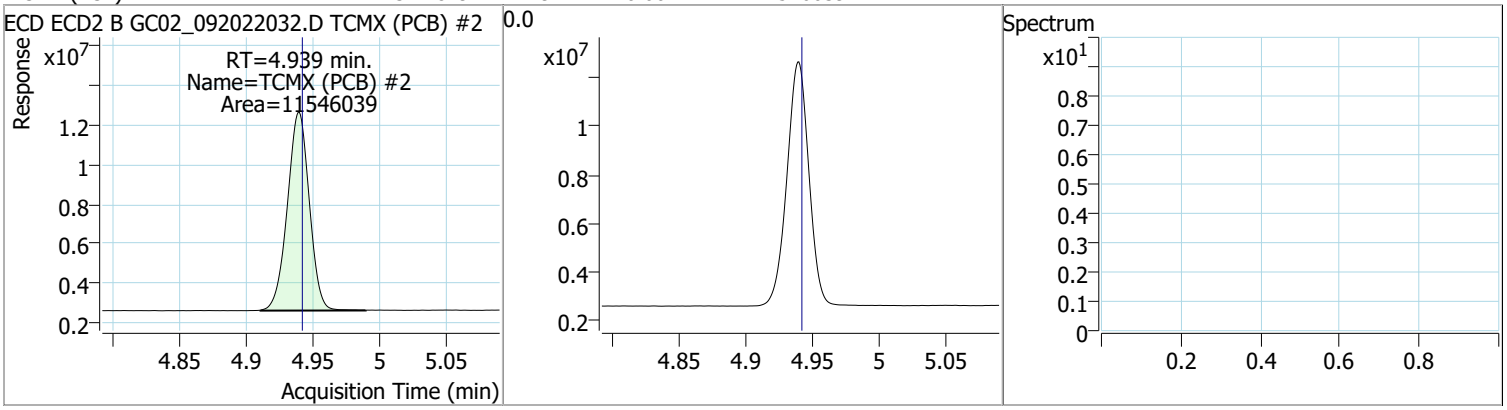
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.991	0.0	5427981.145	30.6837	ng/ml	100
T AR1016 2	5.287	0.0	635993.817	1.8623	ng/ml	100
T AR1016 1 #2	5.377	0.0	71827.537	8.0512	ng/ml	100
T AR1016 3	5.634	0.0	27931502.578	54.2704	ng/ml	100
T AR1016 2 #2	5.761	0.0	110677.612	6.1444	ng/ml	100
T AR1016 4	5.956	0.0	10207854.377	33.6853	ng/ml	100
T AR1016 5	6.255	0.0	2026336.261	7.2602	ng/ml	100
T AR1016 3 #2	6.126	0.0	612886.527	28.0653	ng/ml	100
T AR1016 4 #2	6.432	0.0	164342.090	9.5430	ng/ml	100
T AR1016 5 #2	6.990	0.0	22119.959	1.5936	ng/ml	100
T AR1260 1	7.827	0.0	32483445.817	60.2755	ng/ml	100
T AR1260 2	8.370	0.0	3538938.529	4.2960	ng/ml	100
T AR1260 3	8.969	0.0	375725.394	37.1608	ng/ml	100
T AR1260 1 #2	9.341	0.0	47213.644	1.6696	ng/ml	100
T AR1260 4	9.738	0.0	23362982.220	42.1451	ng/ml	100
T AR1260 2 #2	9.804	0.0	93090.270	2.9217	ng/ml	100
T AR1260 3 #2	10.499	0.0	444704.380	11.7349	ng/ml	100
T AR1260 5	10.622	0.0	2276821.899	3.1409	ng/ml	100
T AR1260 4 #2	10.881	0.0	750797.721	34.3968	ng/ml	100
T AR1260 5 #2	11.549	0.0	351088.975	10.8697	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

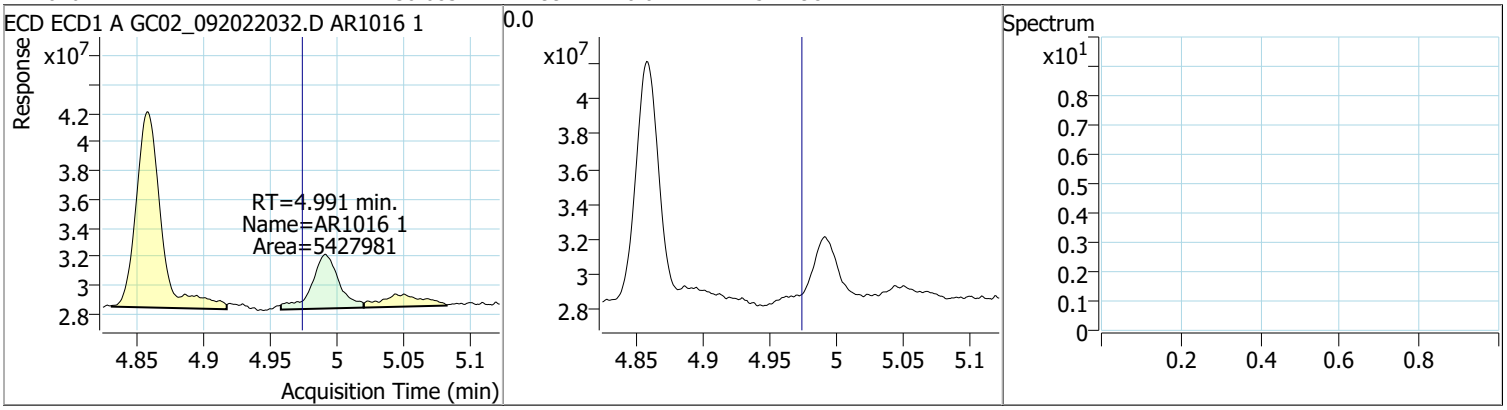
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.3656	4.65	0.00	307936528				



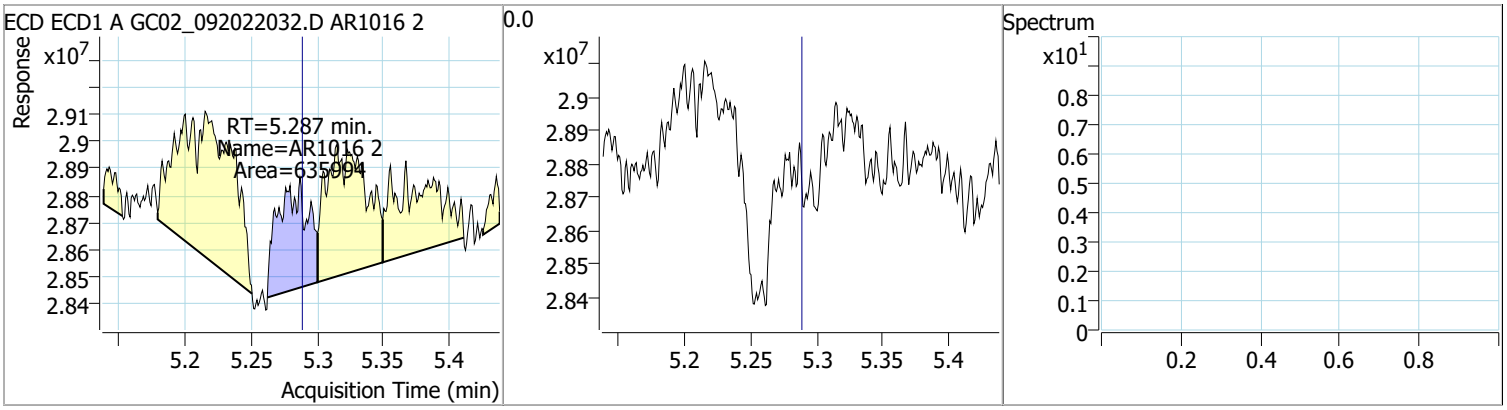
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.4879	4.94	0.00	11546039				



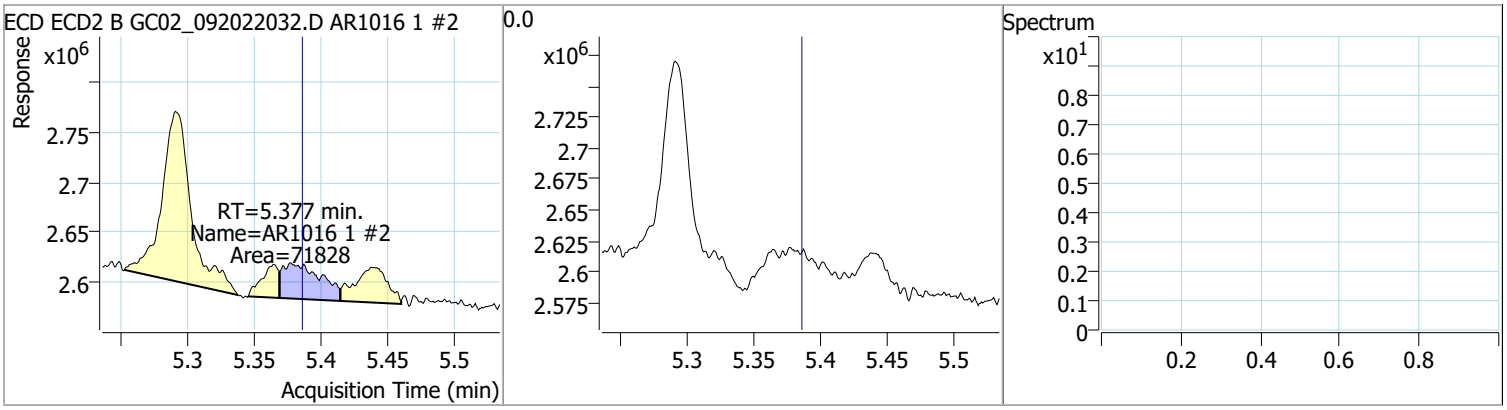
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	30.6837	4.99	0.02	5427981				



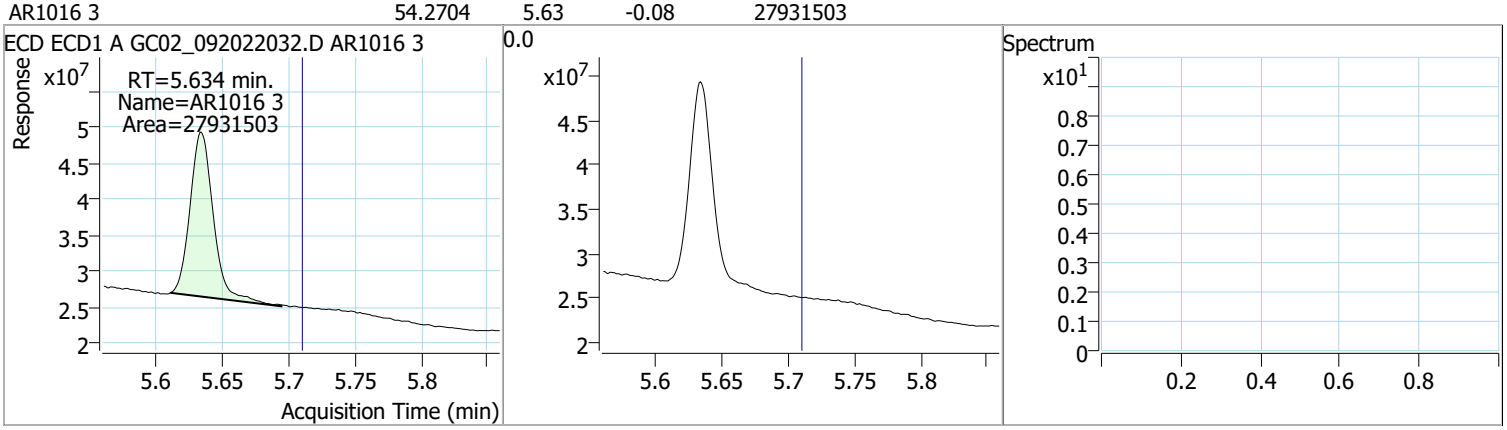
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.8623	5.29	0.00	635994				



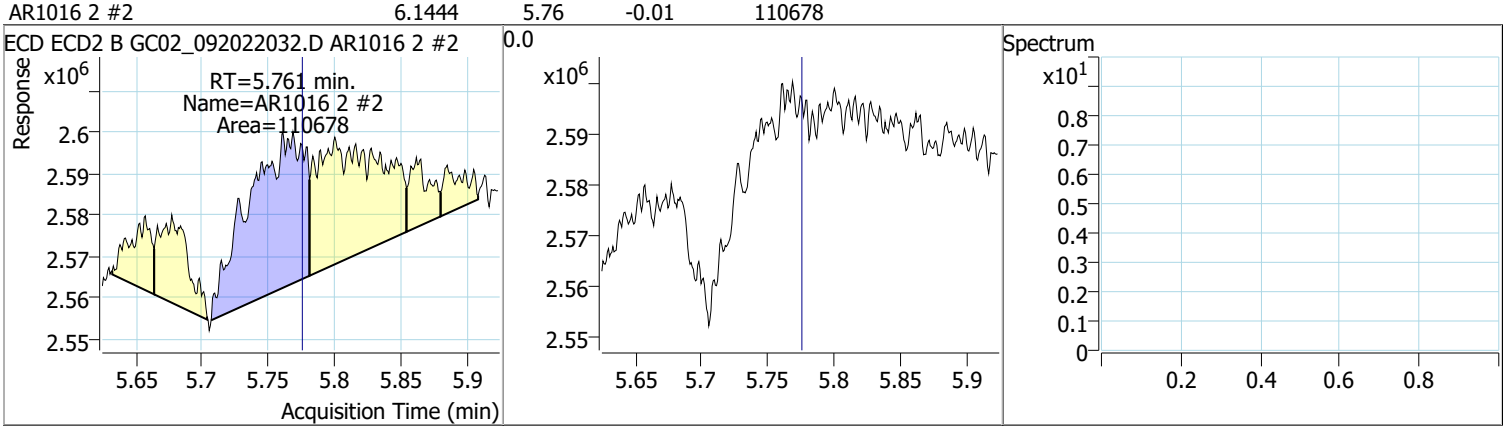
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	8.0512	5.38	-0.01	71828				



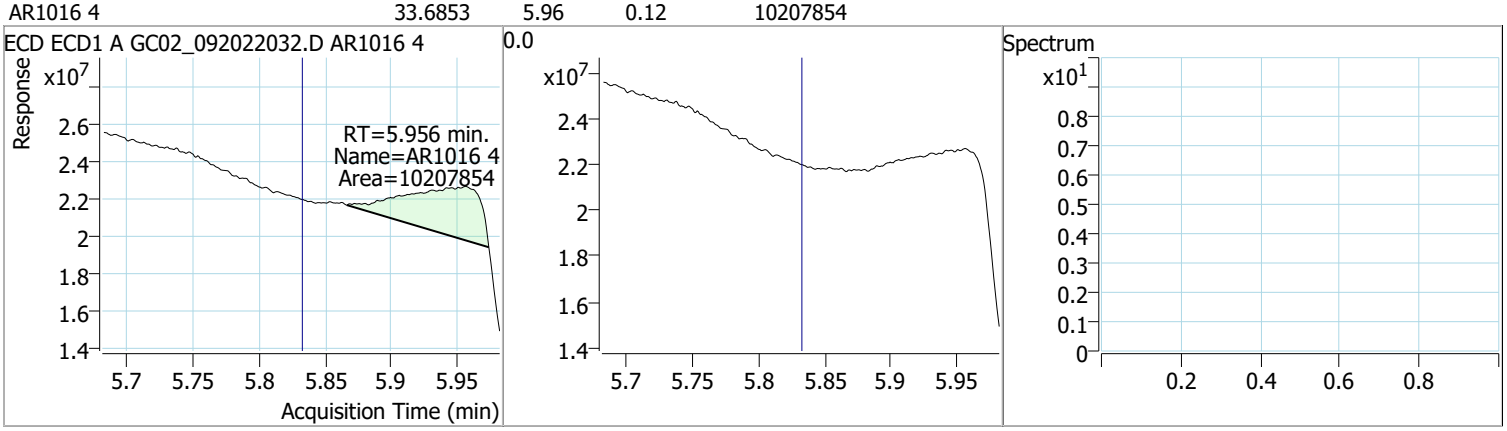
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	54.2704	5.63	-0.08	27931503				



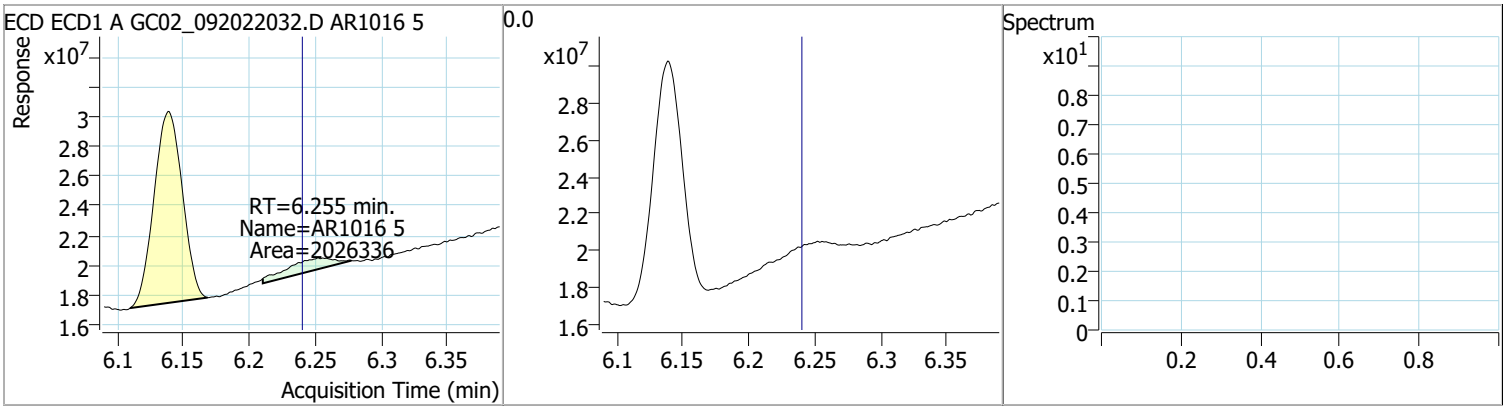
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	6.1444	5.76	-0.01	110678				



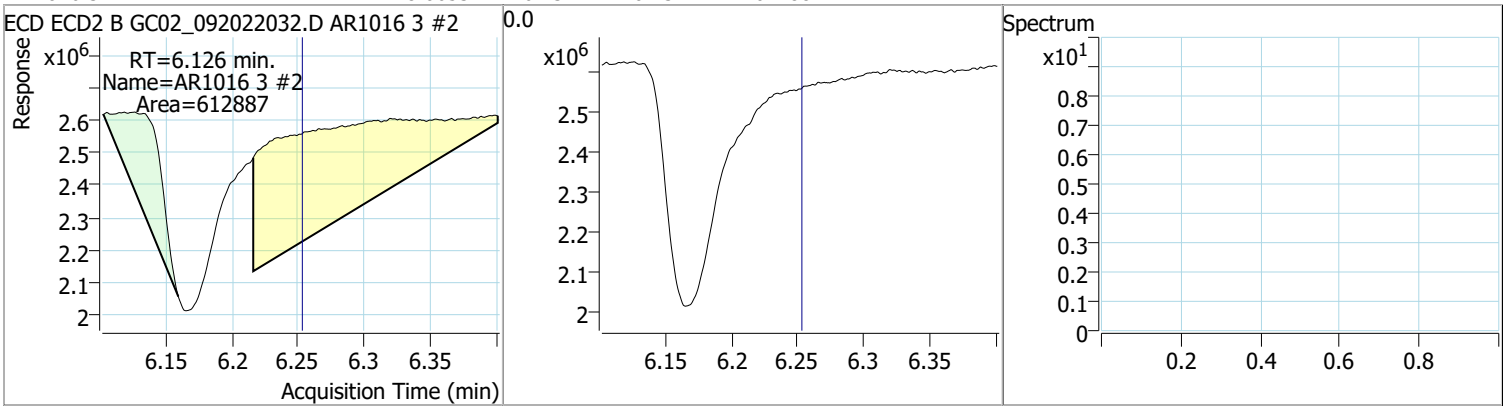
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	33.6853	5.96	0.12	10207854				



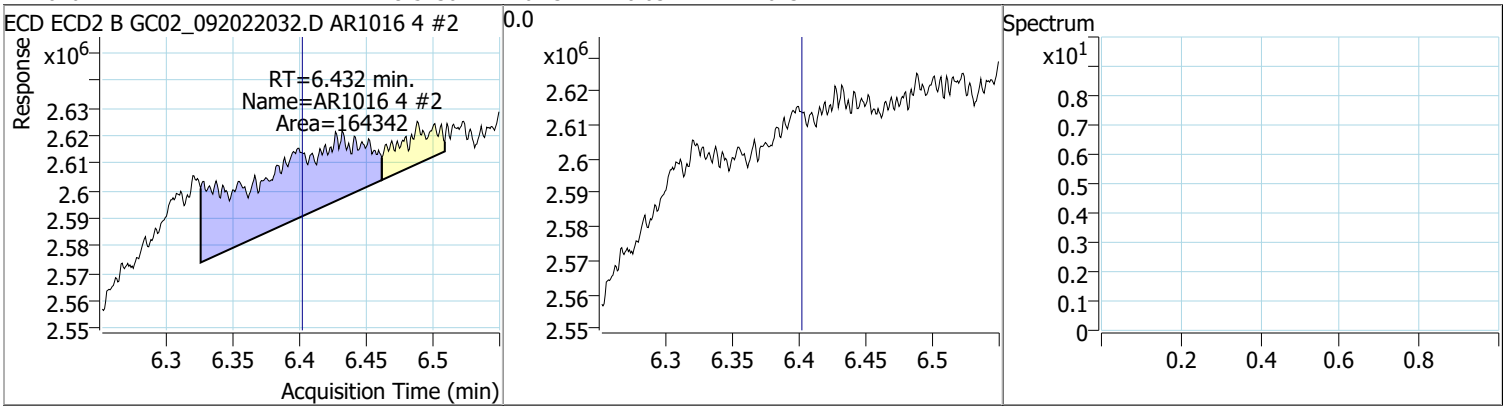
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	7.2602	6.26	0.01	2026336				



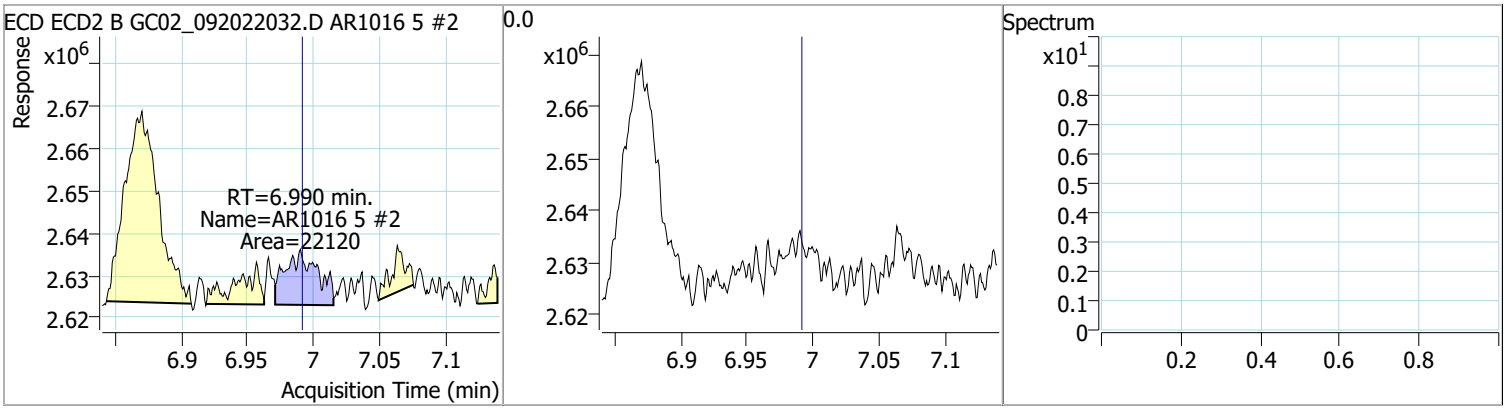
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	28.0653	6.13	-0.13	612887				



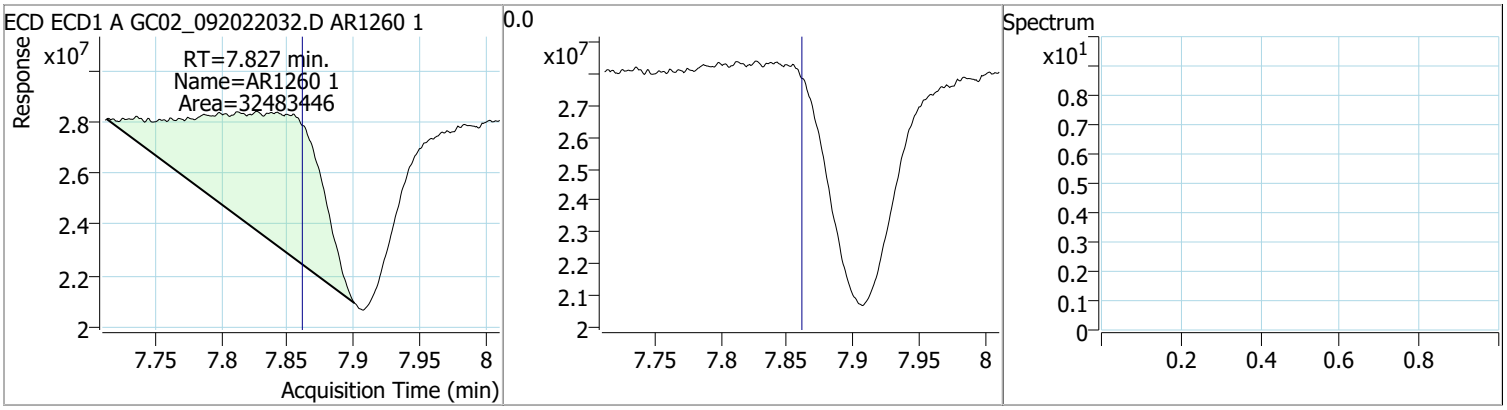
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	9.5430	6.43	0.03	164342				



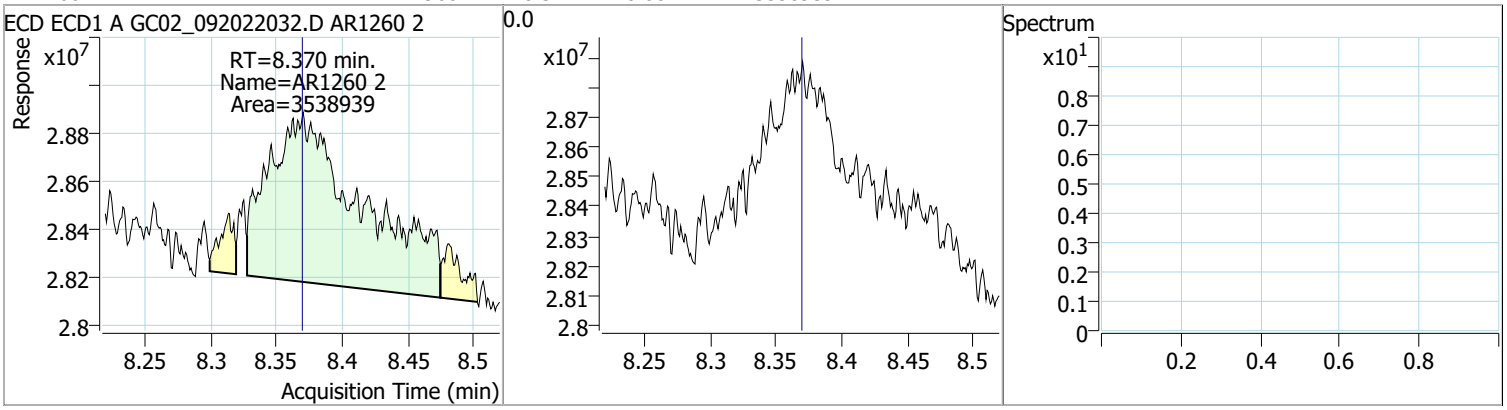
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.5936	6.99	0.00	22120				



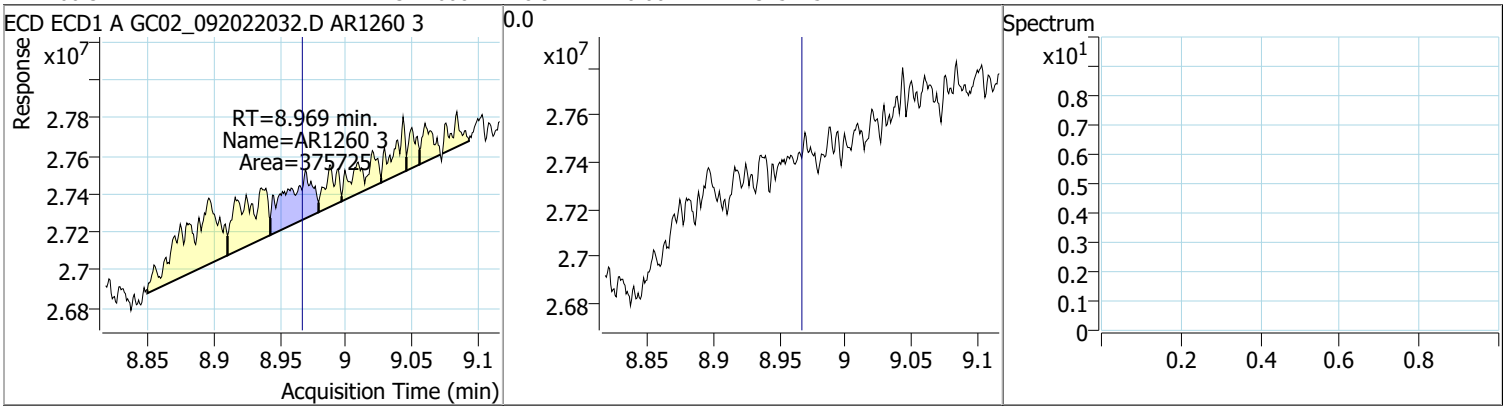
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	60.2755	7.83	-0.04	32483446				



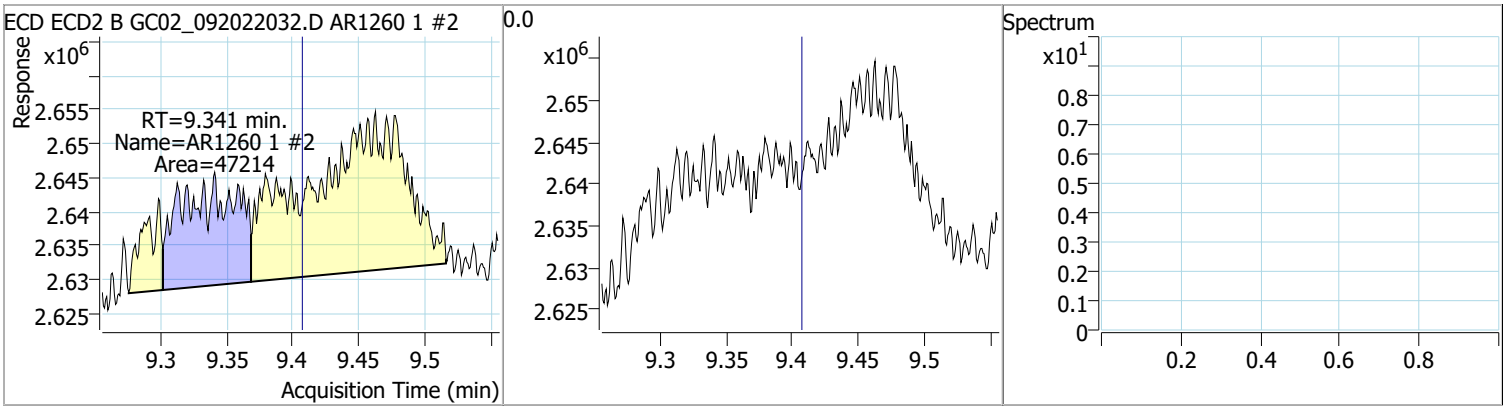
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.2960	8.37	0.00	3538939				



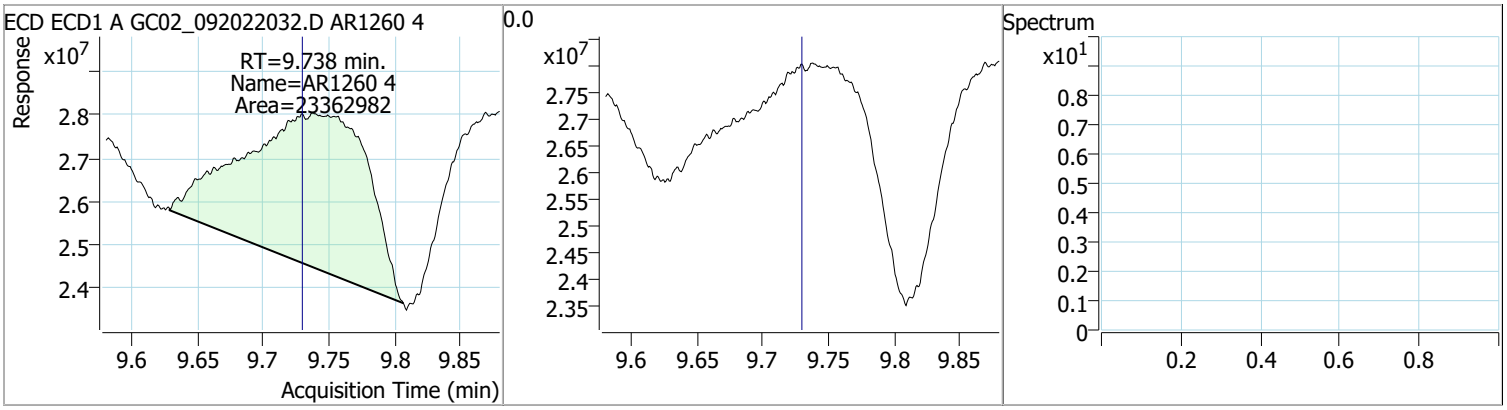
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	37.1608	8.97	0.00	375725				



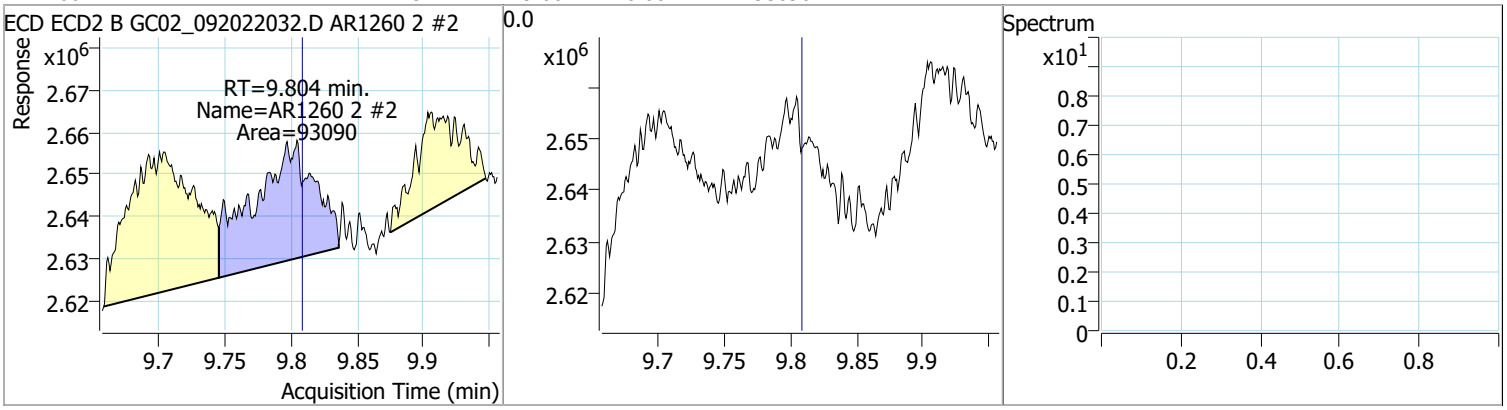
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.6696	9.34	-0.06	47214				



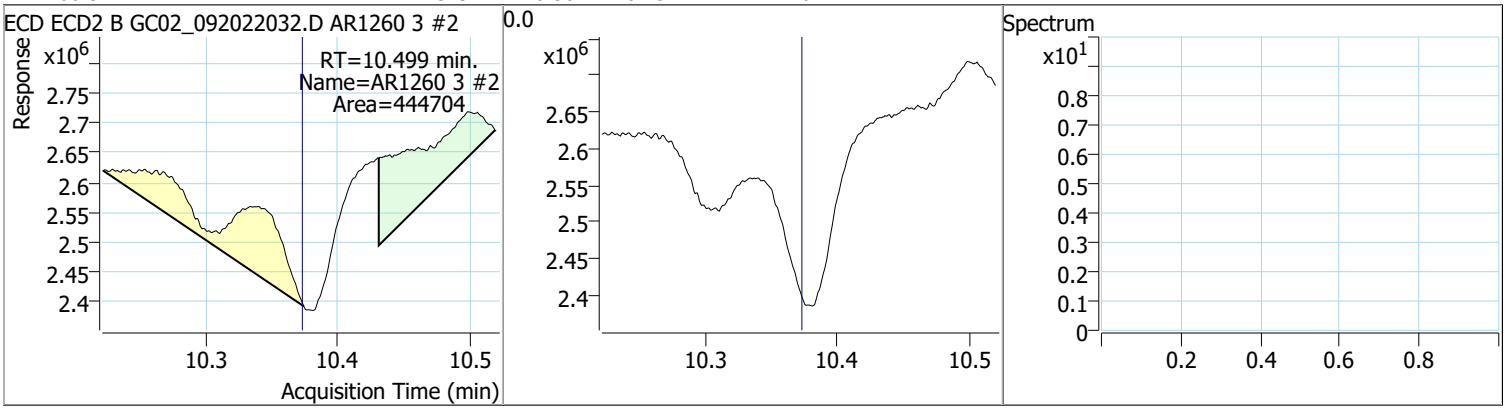
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.1451	9.74	0.01	23362982				



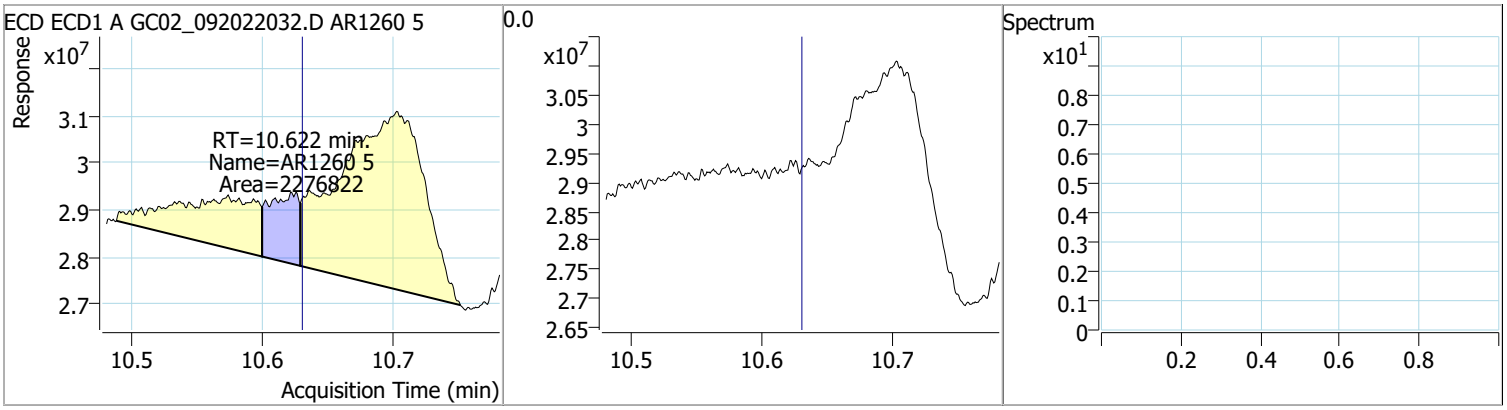
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.9217	9.80	0.00	93090				



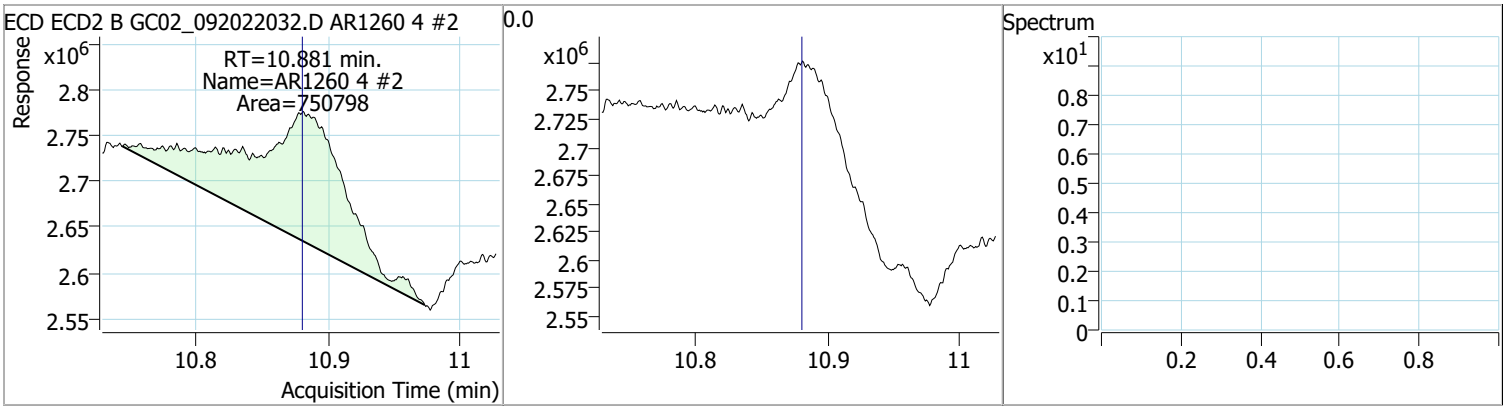
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.7349	10.50	0.13	444704				



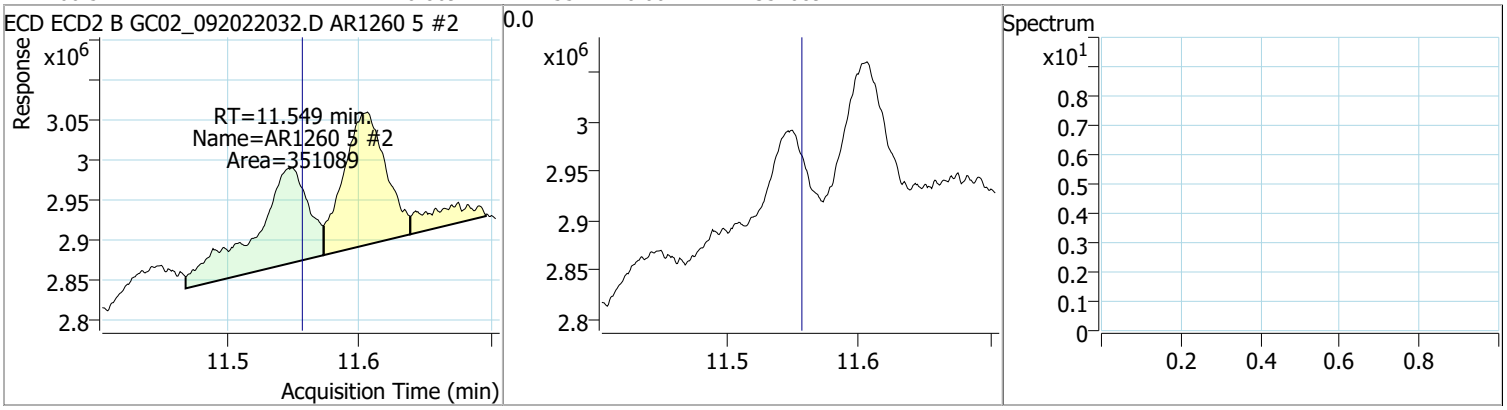
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	3.1409	10.62	-0.01	2276822				



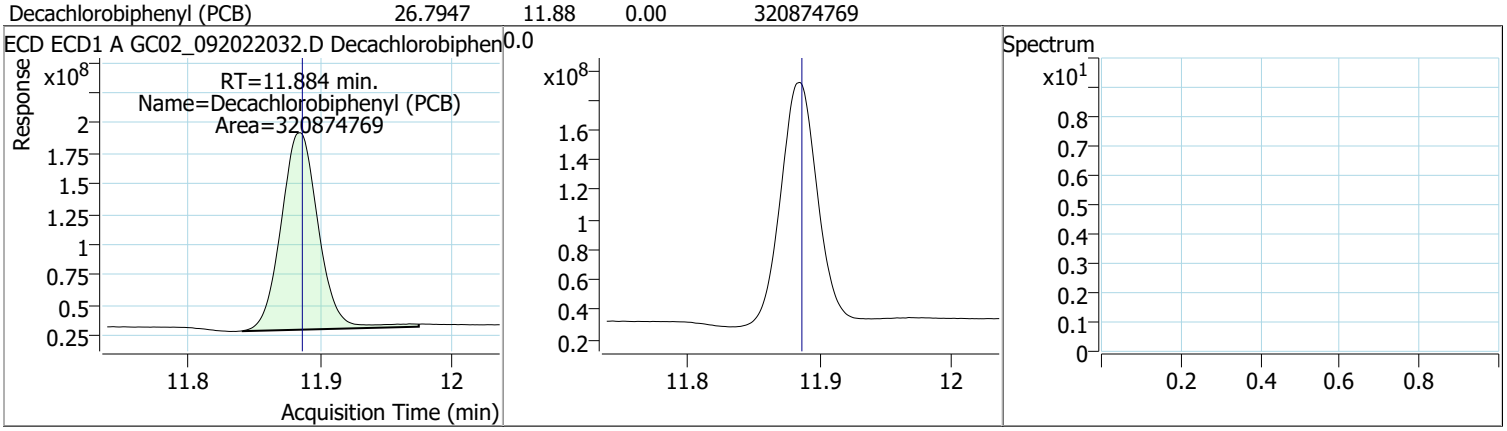
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	34.3968	10.88	0.00	750798				



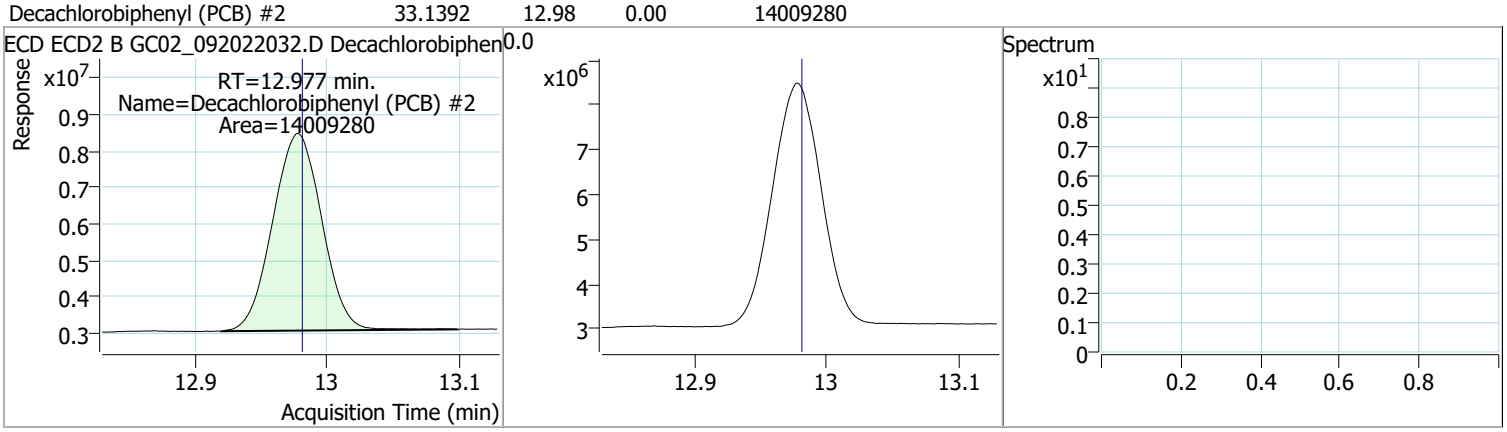
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	10.8697	11.55	0.00	351089				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.7947	11.88	0.00	320874769				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.1392	12.98	0.00	14009280				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	469273-009	Client ID:	ARCH-C2E-PS-5.5-220915-P-G
Seqnum:	212379627033.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_092022-033	Batch:	297328	Time:	20-SEP-2022 23:02
Cal:	212360956002	Caldate:	07-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	10.30	ND	0.54	89%	1.0		u
Aroclor-1016 Peak # 1	B	14.44	0.29	0.69	82%			
Aroclor-1016 Peak # 2	B	6.664	0.13	0.02	144%			
Aroclor-1016 Peak # 3	B	19.50	0.39	0.61	45%			
Aroclor-1016 Peak # 4	B	10.02	0.20	0.01	188%			
Aroclor-1016 Peak # 5	B	0.8909	0.02	1.35	195%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	28.73	ND	0.61	6%	1.0		u
Aroclor-1260 Peak # 1	B	5.996	0.12	1.21	164%			
Aroclor-1260 Peak # 2	B	4.129	0.08	0.07	18%			
Aroclor-1260 Peak # 3	B	85.23	1.70	0.80	73%			
Aroclor-1260 Peak # 4	B	34.77	0.70	0.88	23%			
Aroclor-1260 Peak # 5	B	13.55	0.27	0.09	97%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	32.85	1.000	0.6570	66	52-186	c+ u
Decachlorobiphenyl (PCB)	B	34.51	1.000	0.6902	69	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_092022-008)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5202550	6774594	30.22
1-bromo-2-nitrobenzene (PCB)	A	156453134	192311102	22.92

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

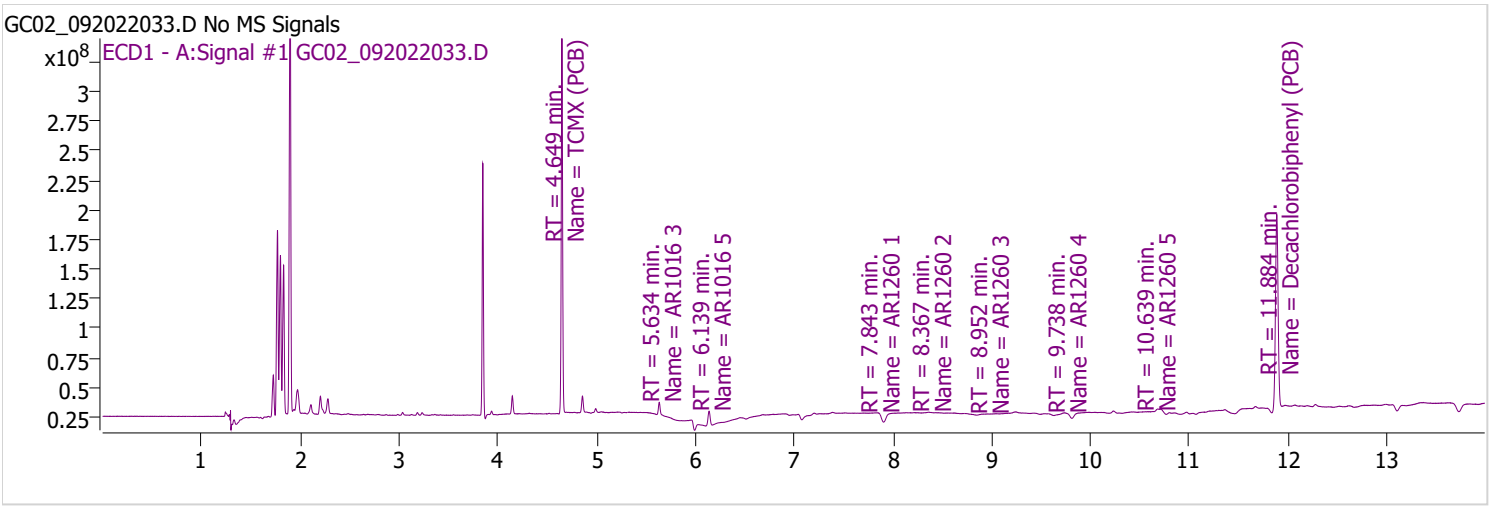
ISTD (CCV gc02_092022-008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

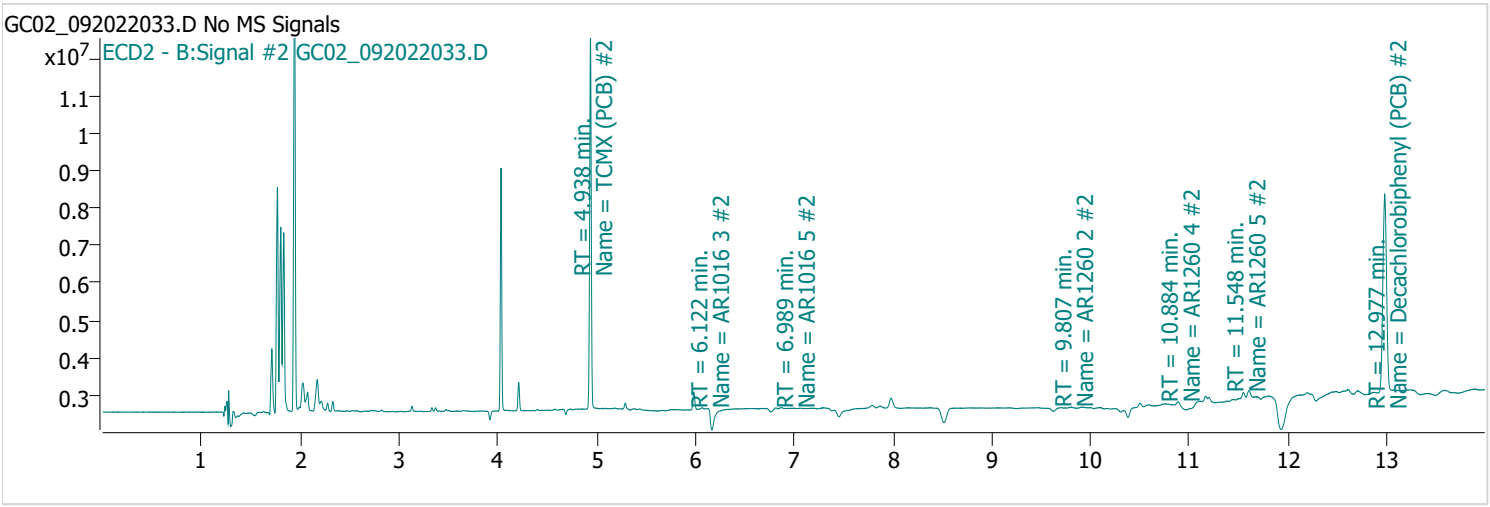
Analyst: TJW 09/21/22 *

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092022033.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/20/2022 11:02:41 PM
Sample Name	469273-009, 297328, 1	Instrument	SVOA-GC02
Vial	21	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_8.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	092022PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



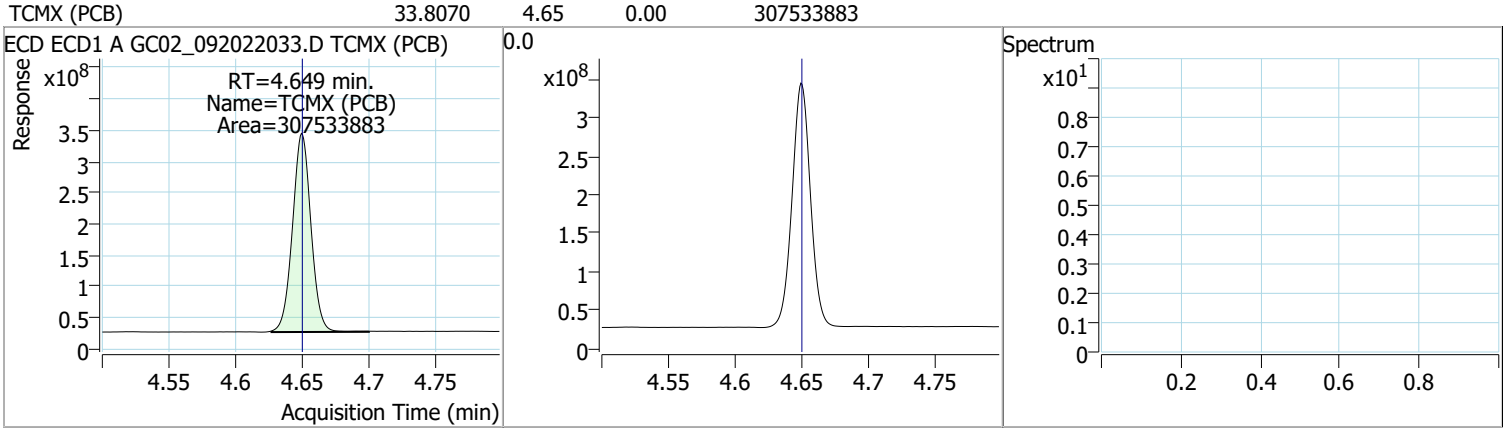


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.849	0.0	192311101.829	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.033	0.0	6774593.647	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.649	0.0	307533882.831	33.8070	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.04%		*	
S TCMX (PCB) #2	4.938	0.0	11557931.072	32.8505	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.25%		*	
S Decachlorobiphenyl (PCB)	11.884	0.0	320868355.487	28.0241	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 140.12%			
S Decachlorobiphenyl (PCB) #2	12.977	0.0	13998439.841	34.5109	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.55%		*	
Target Compounds							QValue

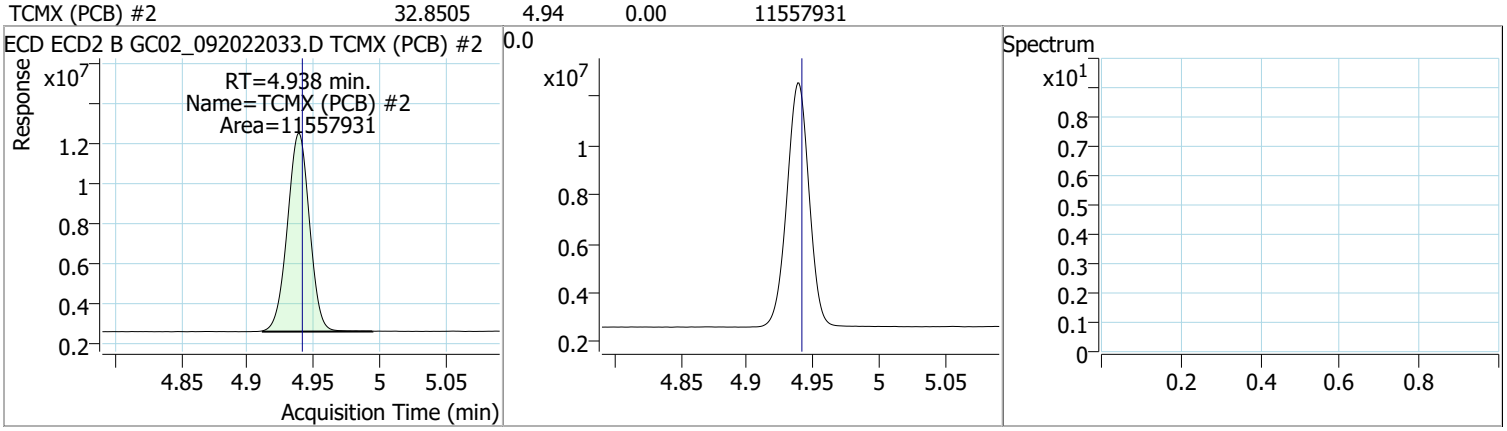
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.992	0.0	5817621.165	34.3959	ng/ml	100
T AR1016 2	5.285	0.0	352605.726	1.0799	ng/ml	100
T AR1016 1 #2	5.382	0.0	123615.796	14.4409	ng/ml	100
T AR1016 3	5.634	0.0	15107207.595	30.7005	ng/ml	100
T AR1016 2 #2	5.775	0.0	115173.559	6.6639	ng/ml	100
T AR1016 4	5.858	0.0	89783.432	0.3099	ng/ml	100
T AR1016 5	6.139	0.0	17981693.625	67.3849	ng/ml	100
T AR1016 3 #2	6.122	0.0	408672.141	19.5036	ng/ml	100
T AR1016 4 #2	6.428	0.0	165515.555	10.0168	ng/ml	100
T AR1016 5 #2	6.989	0.0	11865.978	0.8909	ng/ml	100
T AR1260 1	7.843	0.0	31271111.984	60.6896	ng/ml	100
T AR1260 2	8.367	0.0	2726005.759	3.4610	ng/ml	100
T AR1260 3	8.952	0.0	2878643.381	39.7597	ng/ml	100
T AR1260 1 #2	9.477	0.0	162705.549	5.9965	ng/ml	100
T AR1260 4	9.738	0.0	23305504.784	43.9713	ng/ml	100
T AR1260 2 #2	9.807	0.0	126228.193	4.1289	ng/ml	100
T AR1260 3 #2	10.502	0.0	3099181.714	85.2329	ng/ml	100
T AR1260 5	10.639	0.0	3274272.077	4.7243	ng/ml	100
T AR1260 4 #2	10.884	0.0	728219.404	34.7702	ng/ml	100
T AR1260 5 #2	11.548	0.0	419849.261	13.5471	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

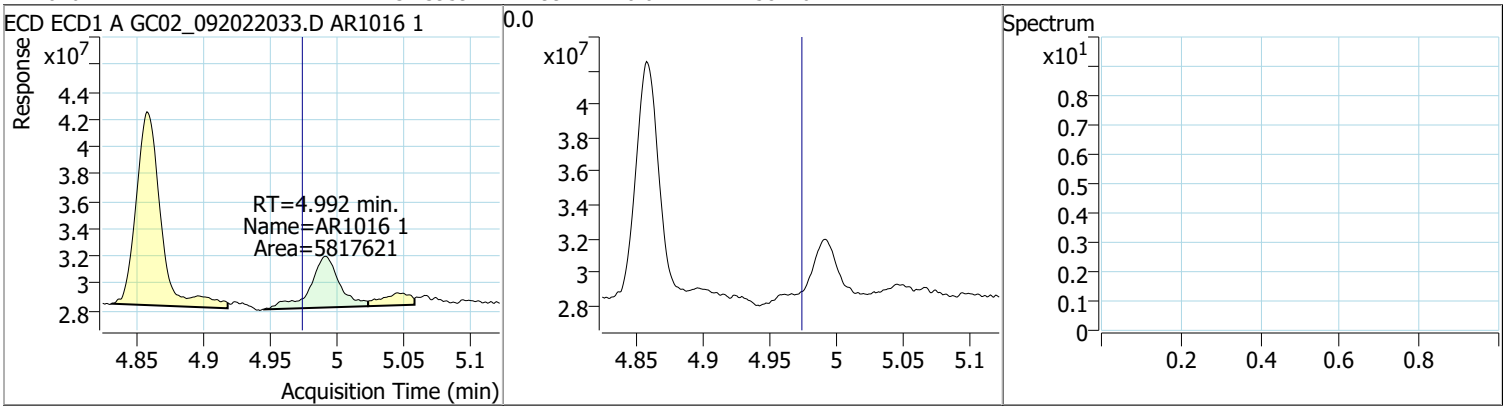
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.8070	4.65	0.00	307533883				



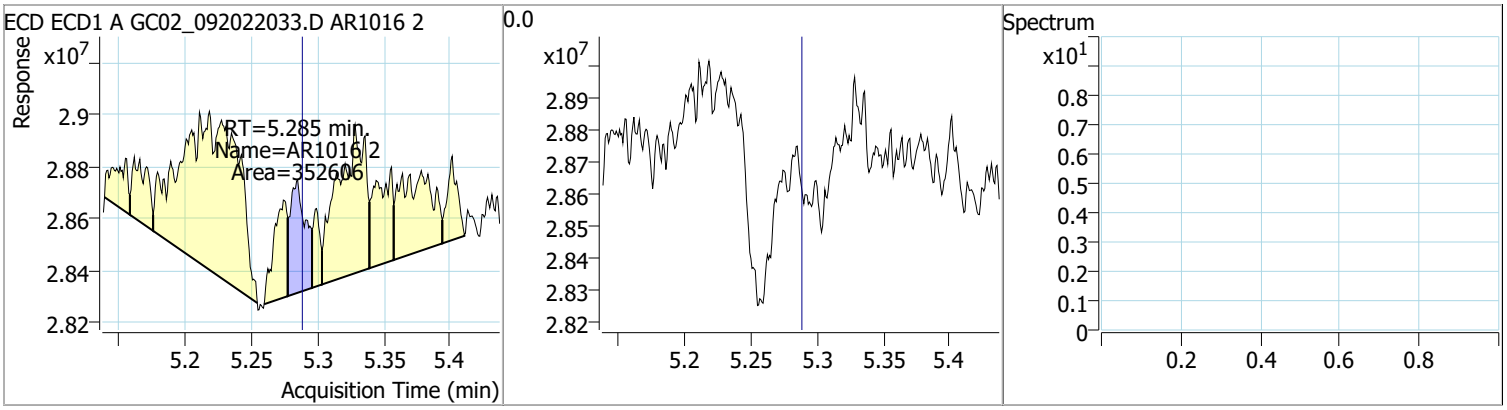
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.8505	4.94	0.00	11557931				



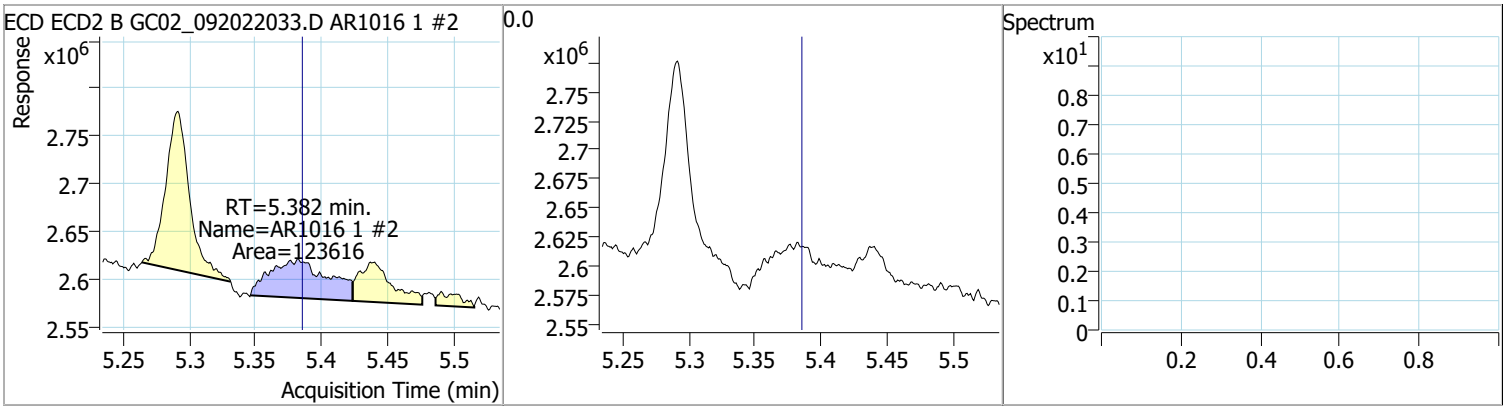
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	34.3959	4.99	0.02	5817621				



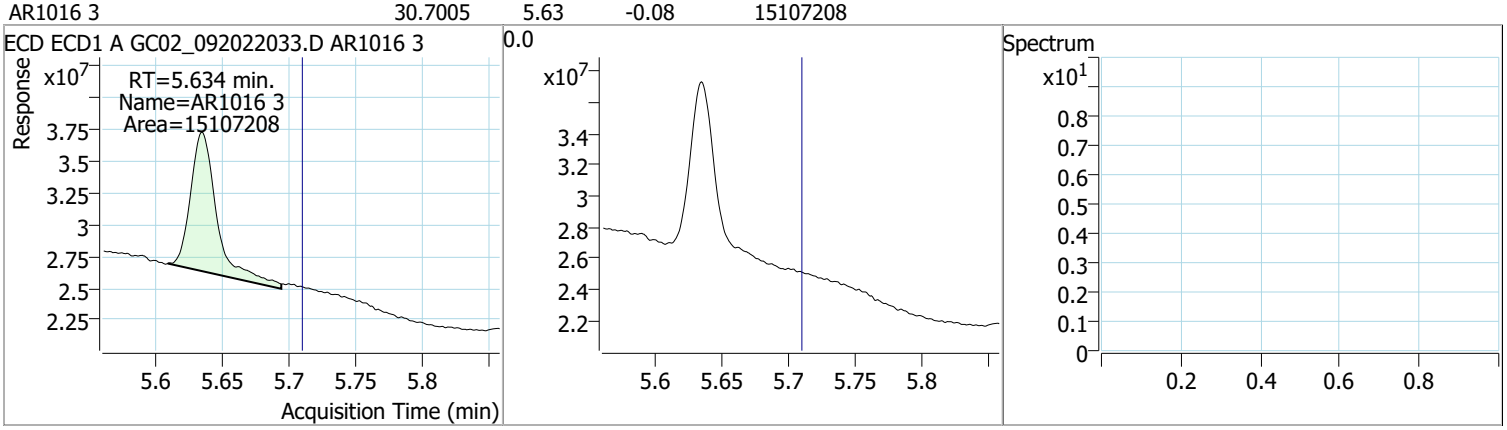
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.0799	5.28	0.00	352606				



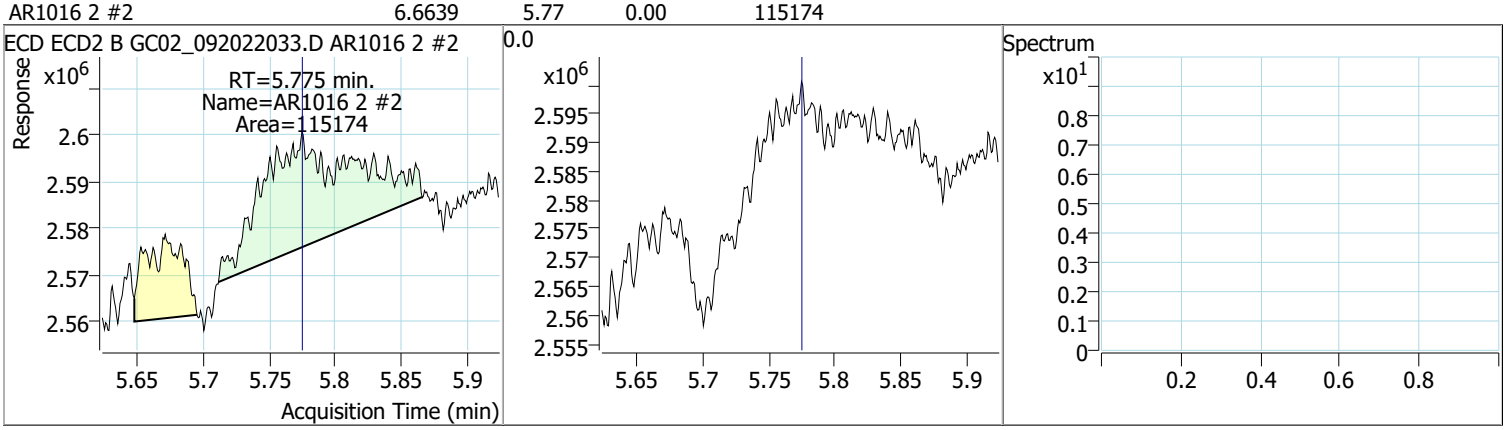
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AR1016 1 #2	14.4409	5.38	0.00	123616				



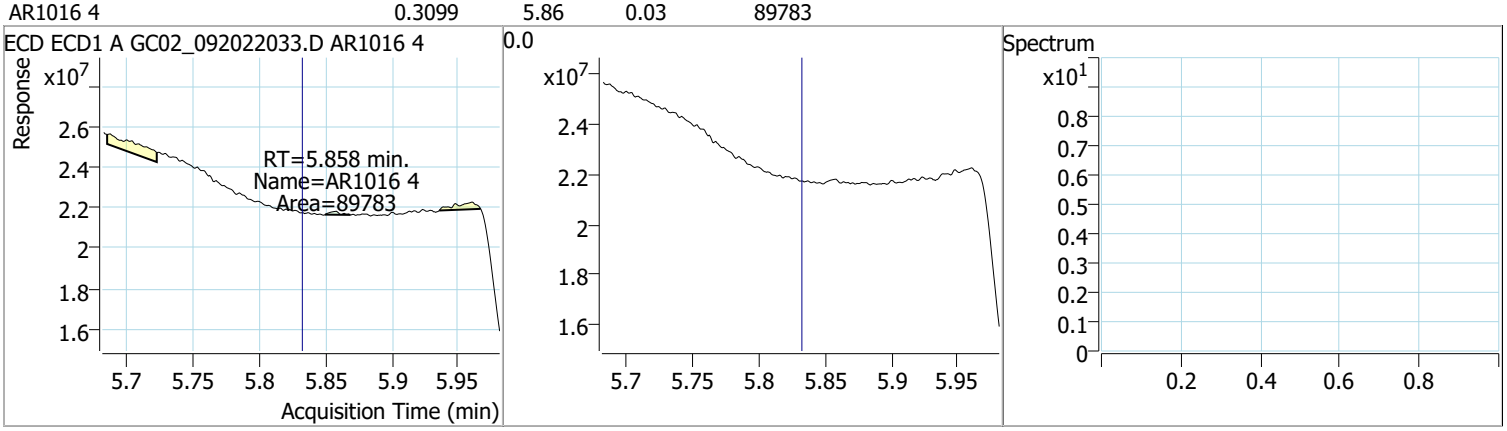
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	30.7005	5.63	-0.08	15107208				



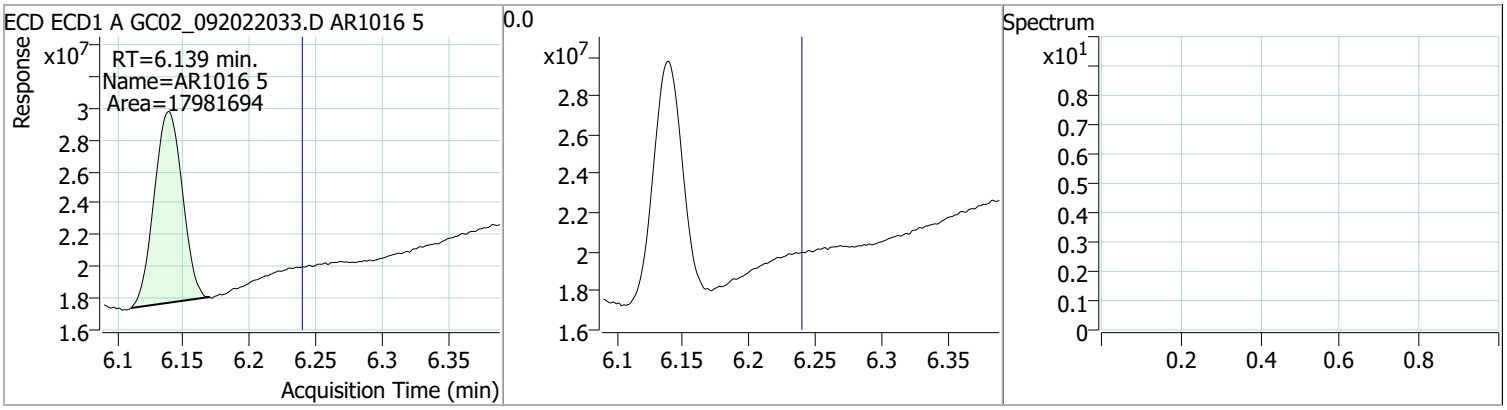
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	6.6639	5.77	0.00	115174				



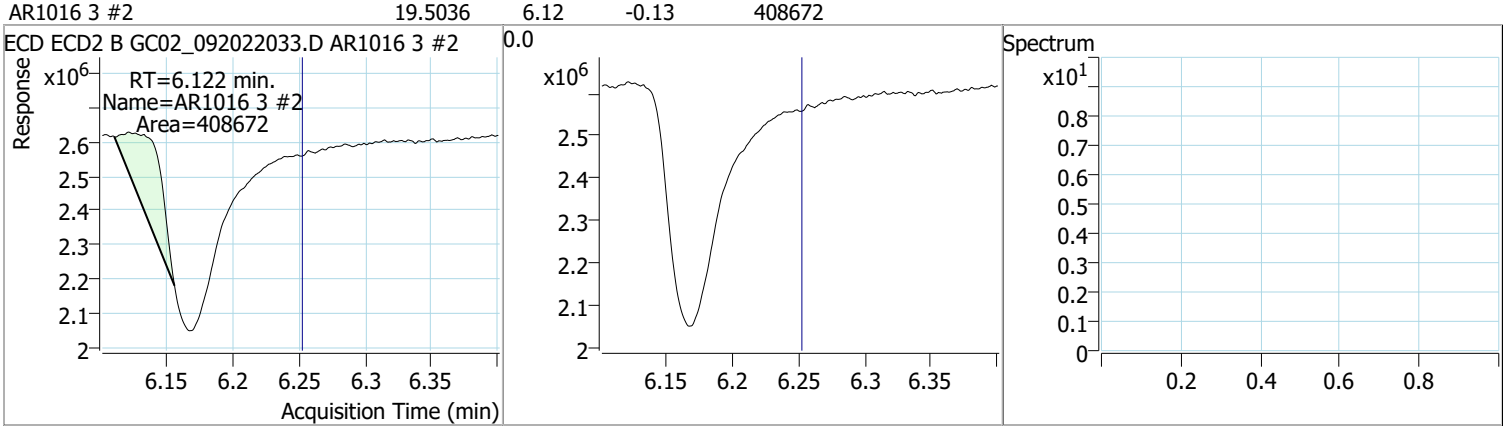
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.3099	5.86	0.03	89783				



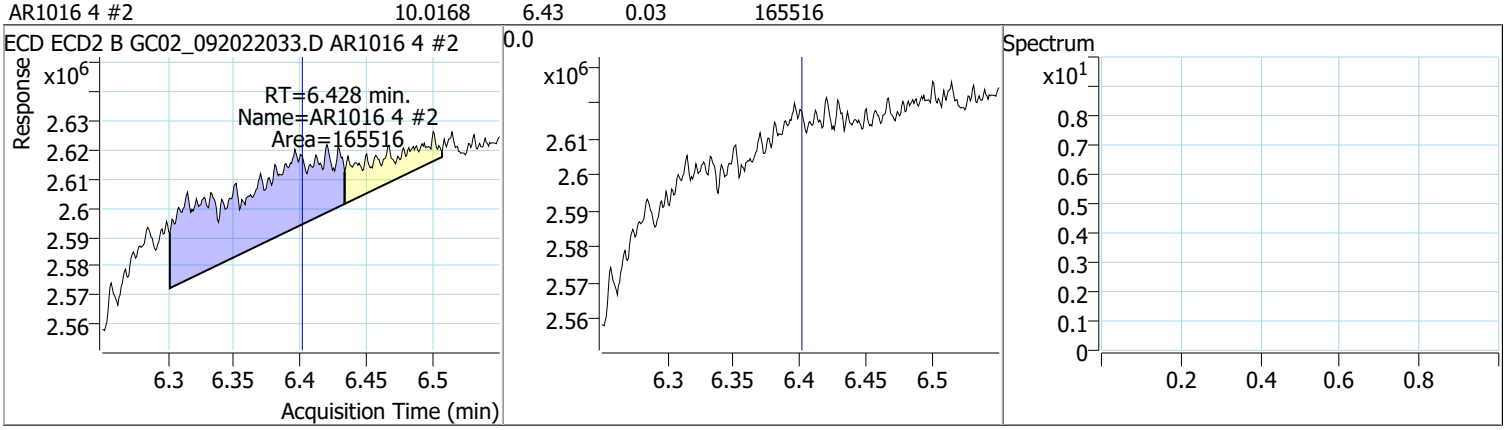
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	67.3849	6.14	-0.10	17981694				



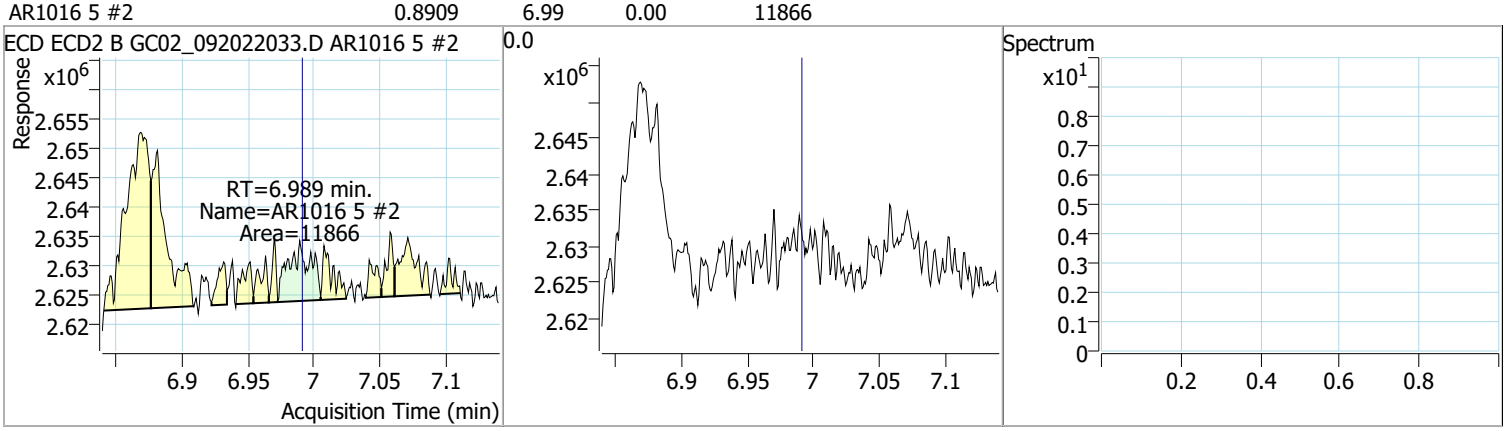
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	19.5036	6.12	-0.13	408672				



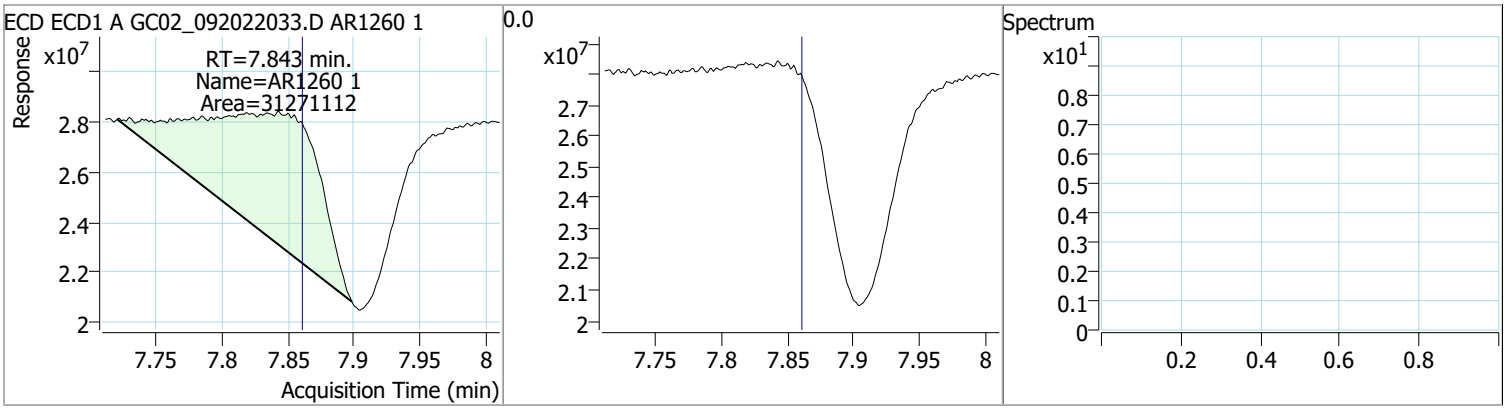
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	10.0168	6.43	0.03	165516				



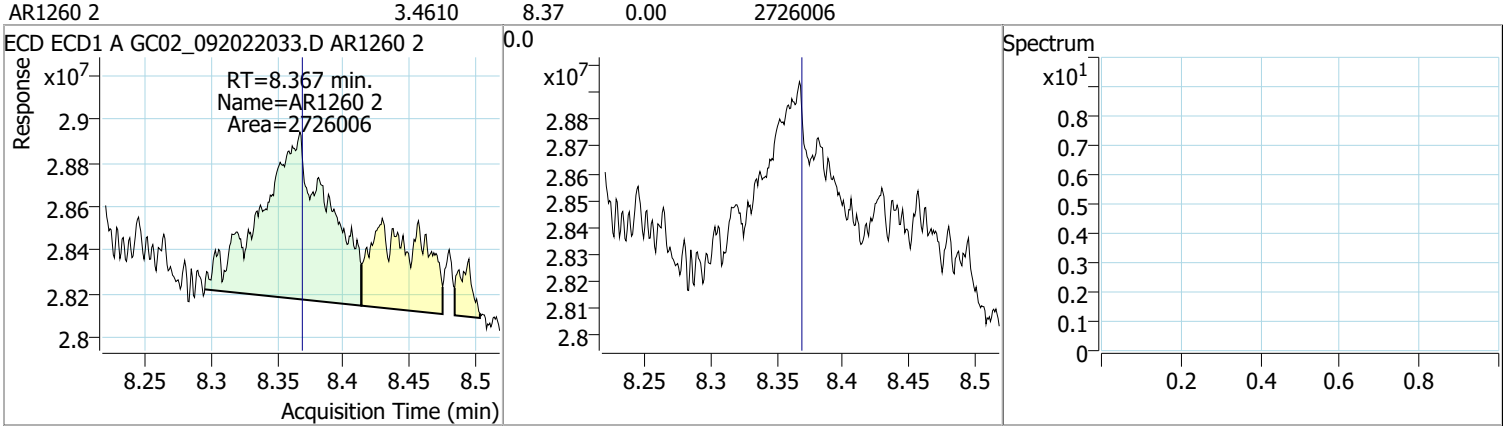
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.8909	6.99	0.00	11866				



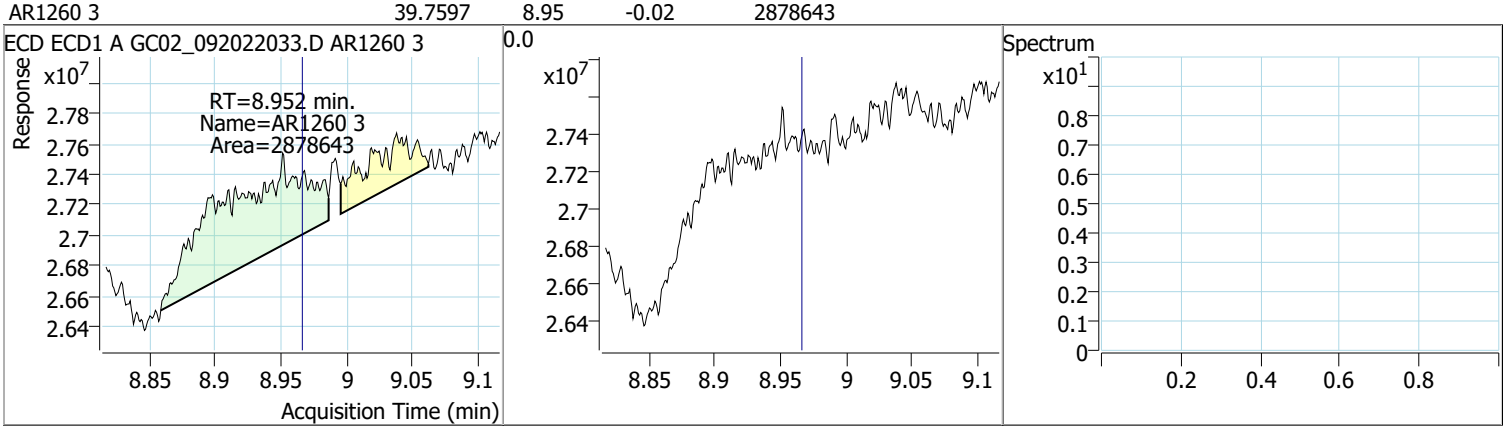
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	60.6896	7.84	-0.02	31271112				



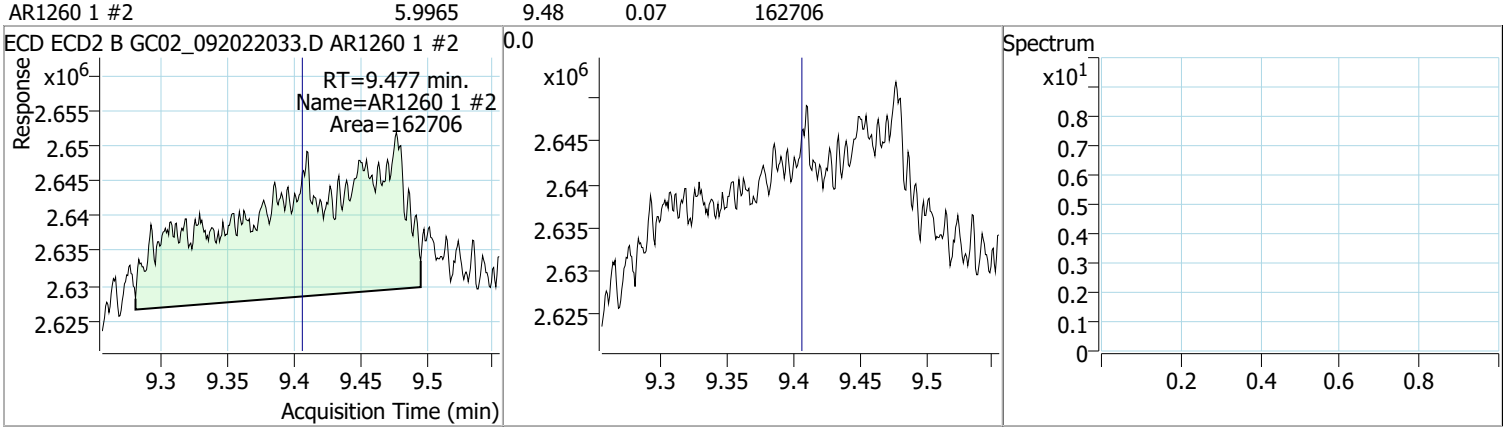
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.4610	8.37	0.00	2726006				



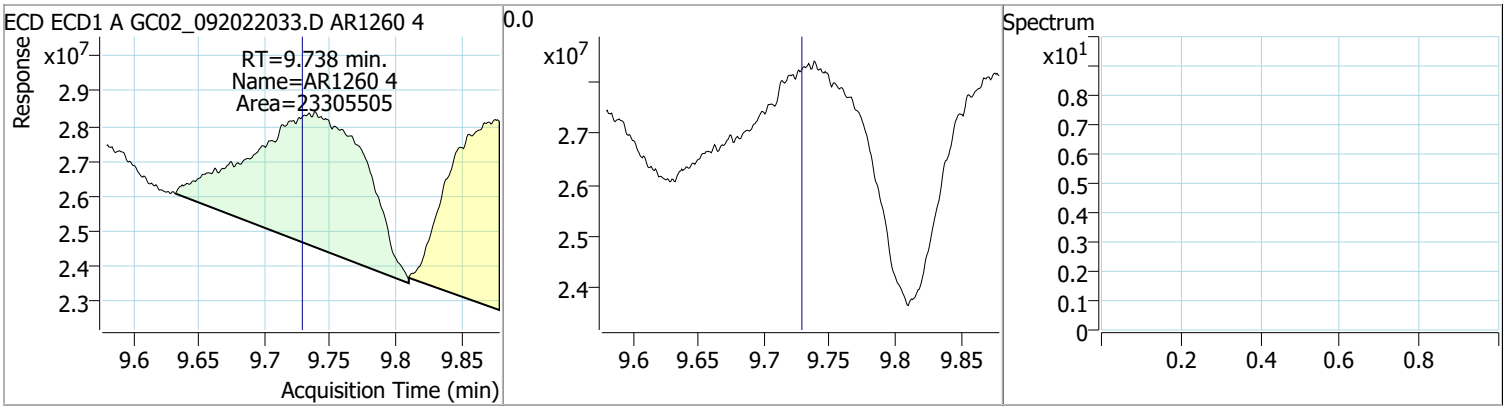
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	39.7597	8.95	-0.02	2878643				



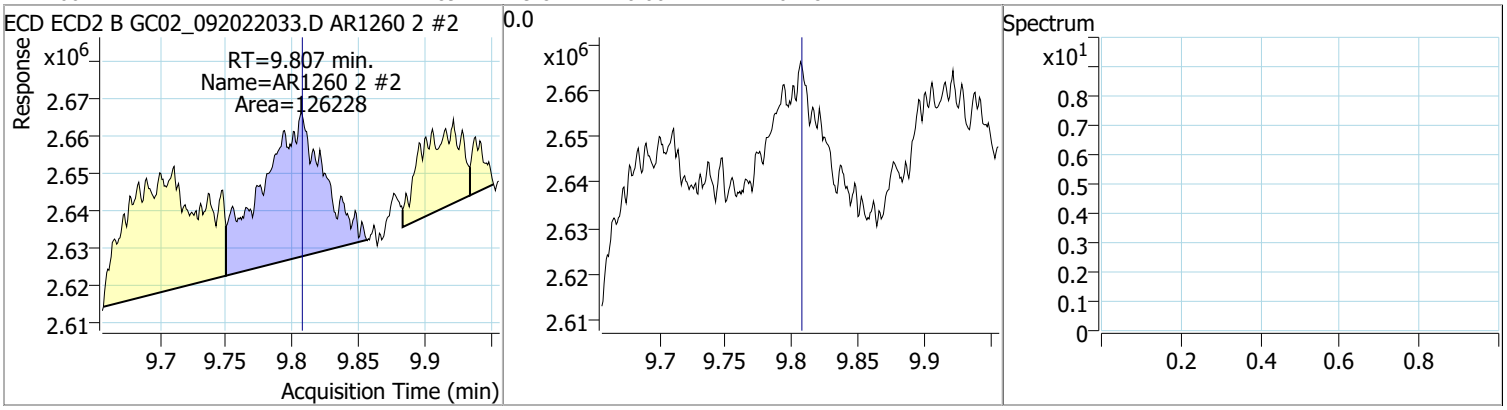
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.9965	9.48	0.07	162706				



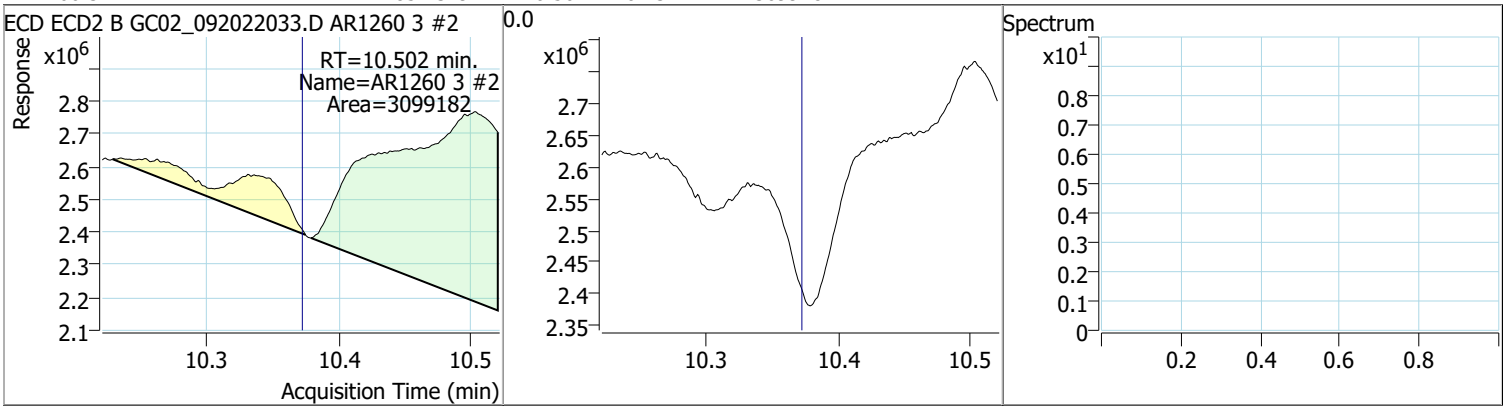
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	43.9713	9.74	0.01	23305505				



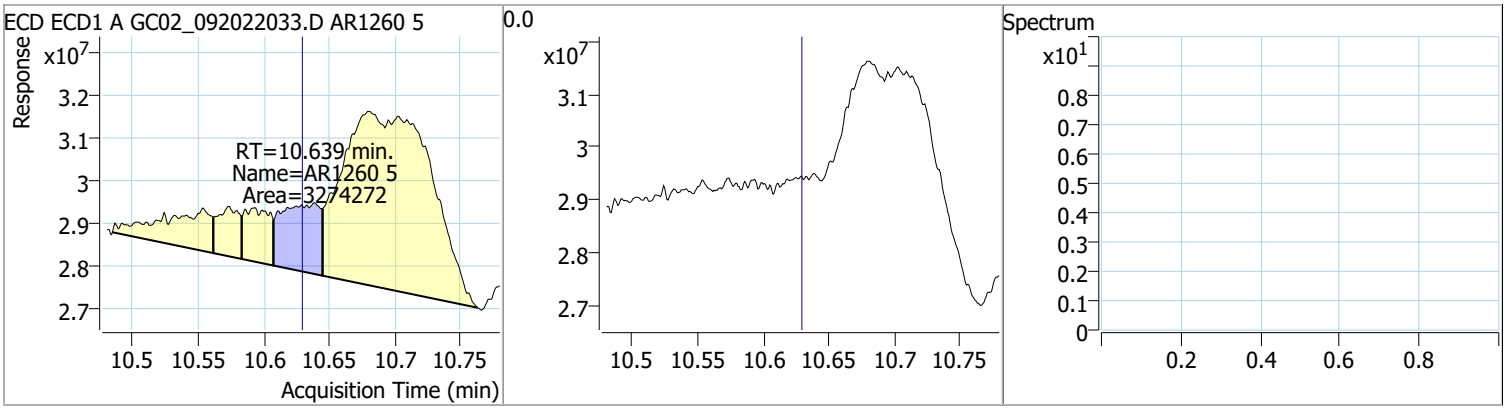
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.1289	9.81	0.00	126228				



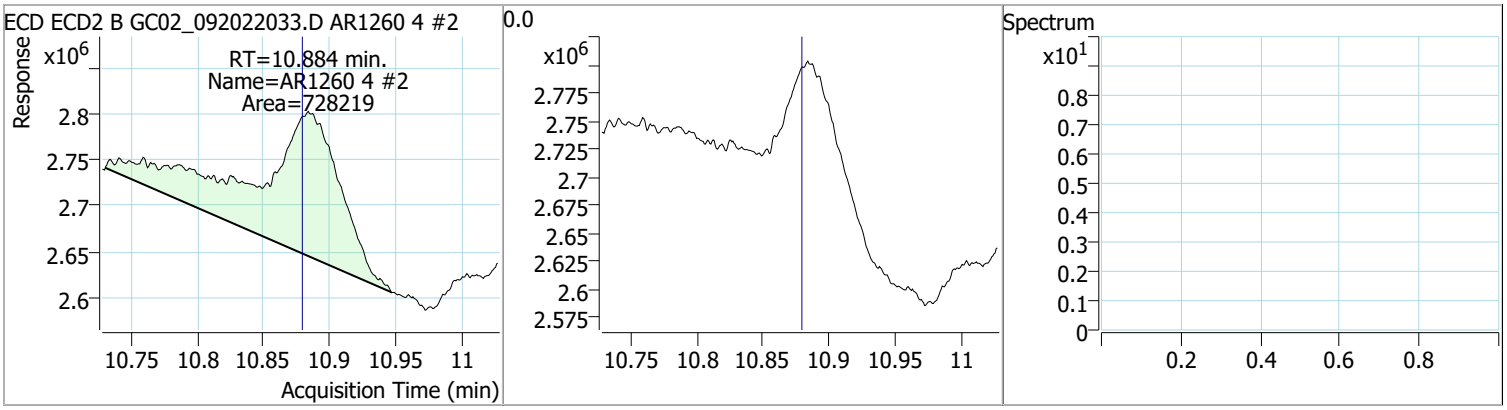
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	85.2329	10.50	0.13	3099182				



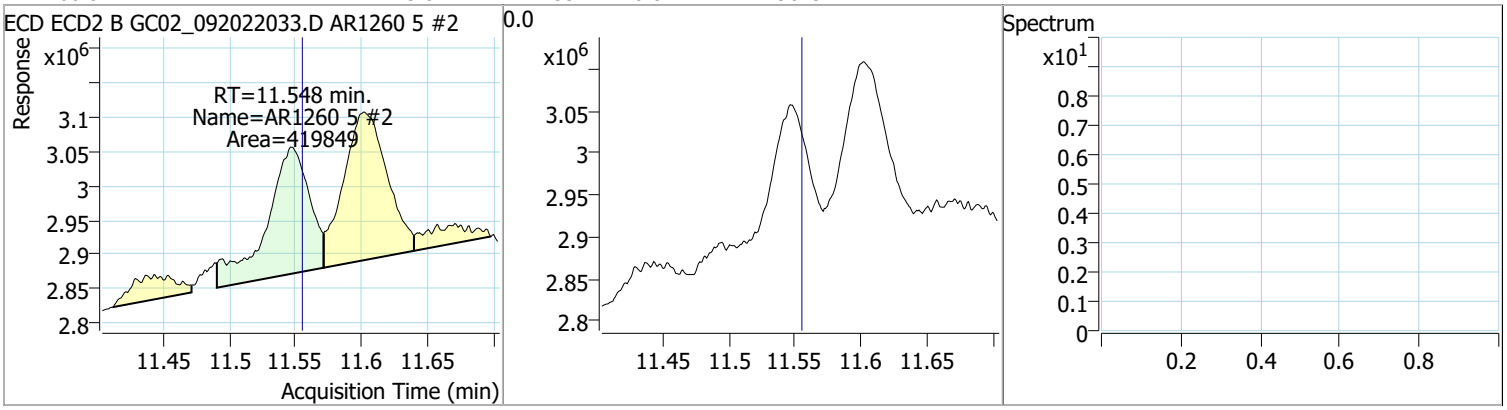
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	4.7243	10.64	0.01	3274272				



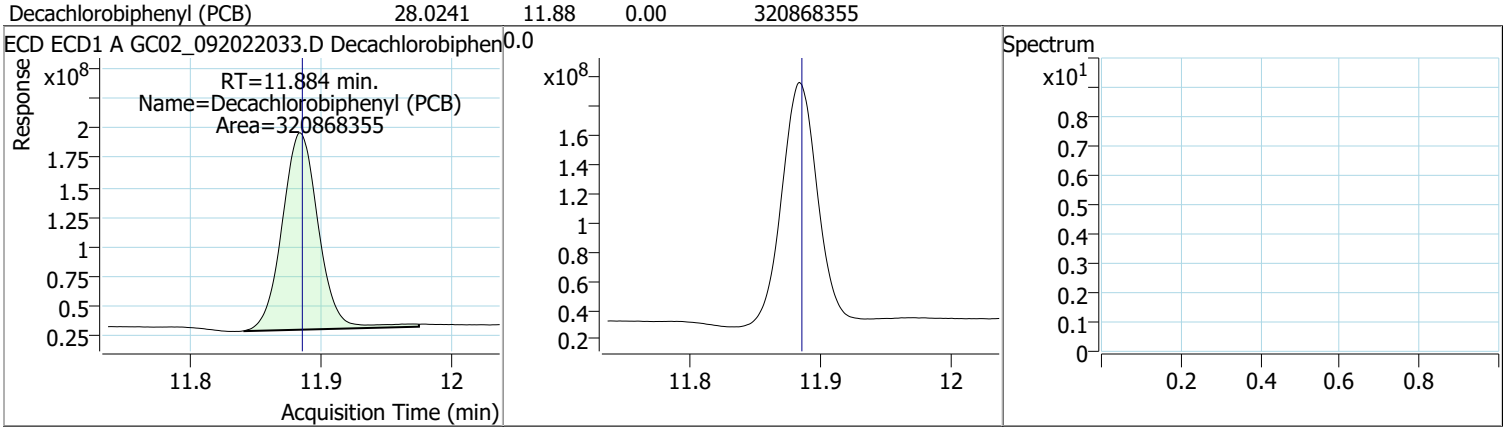
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	34.7702	10.88	0.01	728219				



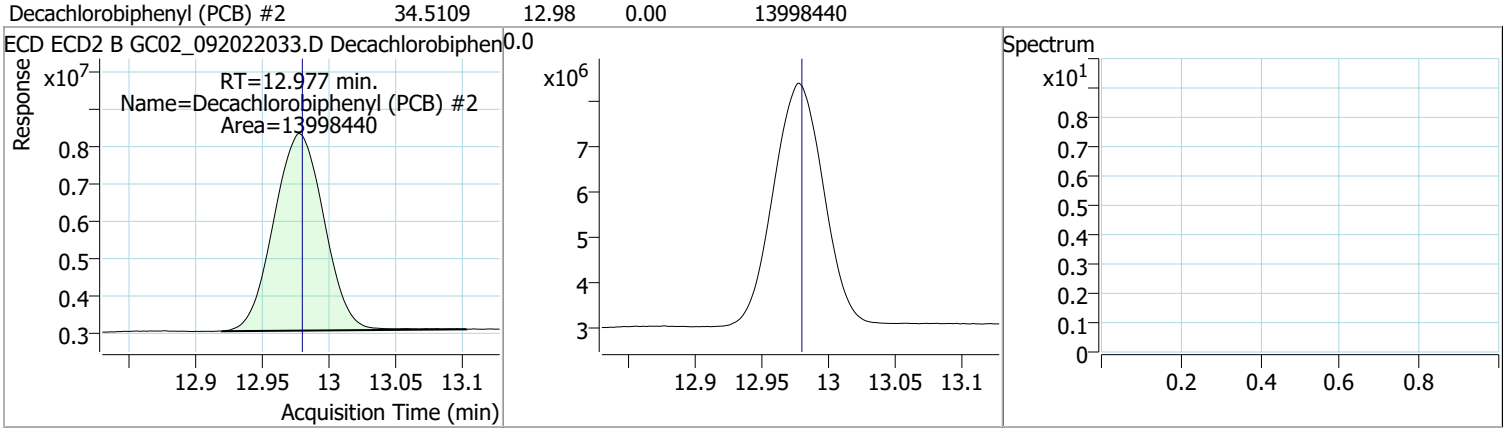
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	13.5471	11.55	-0.01	419849				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.0241	11.88	0.00	320868355				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.5109	12.98	0.00	13998440				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	469273-011	Client ID:	ARCH-C2E-DG-6 TO 6.5-220915-P-FB
Seqnum:	212379627034.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_092022-034	Batch:	297328	Time:	20-SEP-2022 23:20
Cal:	212360956002	Caldate:	07-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	9.407	ND	0.46	84%	1.0		u
Aroclor-1016 Peak # 1	B	14.84	0.30	0.70	80%			
Aroclor-1016 Peak # 2	B	7.217	0.14	0.14	0%			
Aroclor-1016 Peak # 3	B	16.32	0.33	0.69	71%			
Aroclor-1016 Peak # 4	B	7.910	0.16	0.69	125%			
Aroclor-1016 Peak # 5	B	0.7493	0.01	0.08	138%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	25.40	ND	0.69	30%	1.0		u
Aroclor-1260 Peak # 1	B	2.320	0.05	1.14	184%			
Aroclor-1260 Peak # 2	B	3.071	0.06	0.04	46%			
Aroclor-1260 Peak # 3	B	79.09	1.58	0.77	69%			
Aroclor-1260 Peak # 4	B	29.93	0.60	0.83	32%			
Aroclor-1260 Peak # 5	B	12.60	0.25	0.66	90%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	32.13	1.000	0.6426	64	52-186	c+ u
Decachlorobiphenyl (PCB)	B	33.69	1.000	0.6738	67	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_092022-008)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5202550	7013368	34.81
1-bromo-2-nitrobenzene (PCB)	A	156453134	202198236	29.24

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

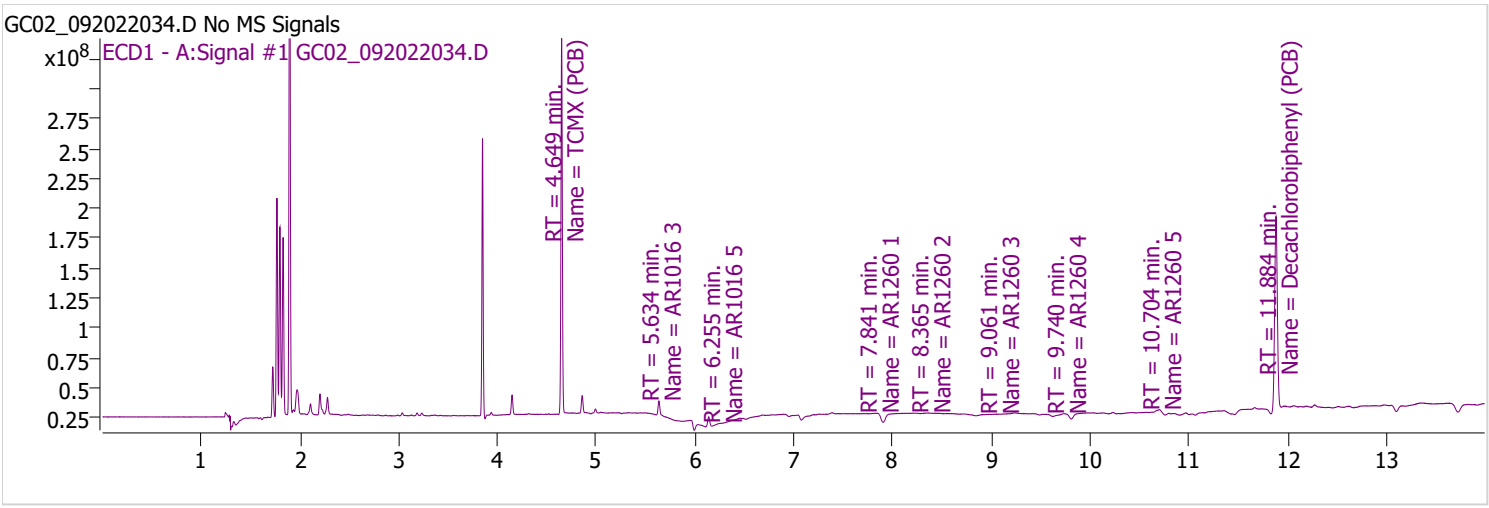
ISTD (CCV gc02_092022-008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

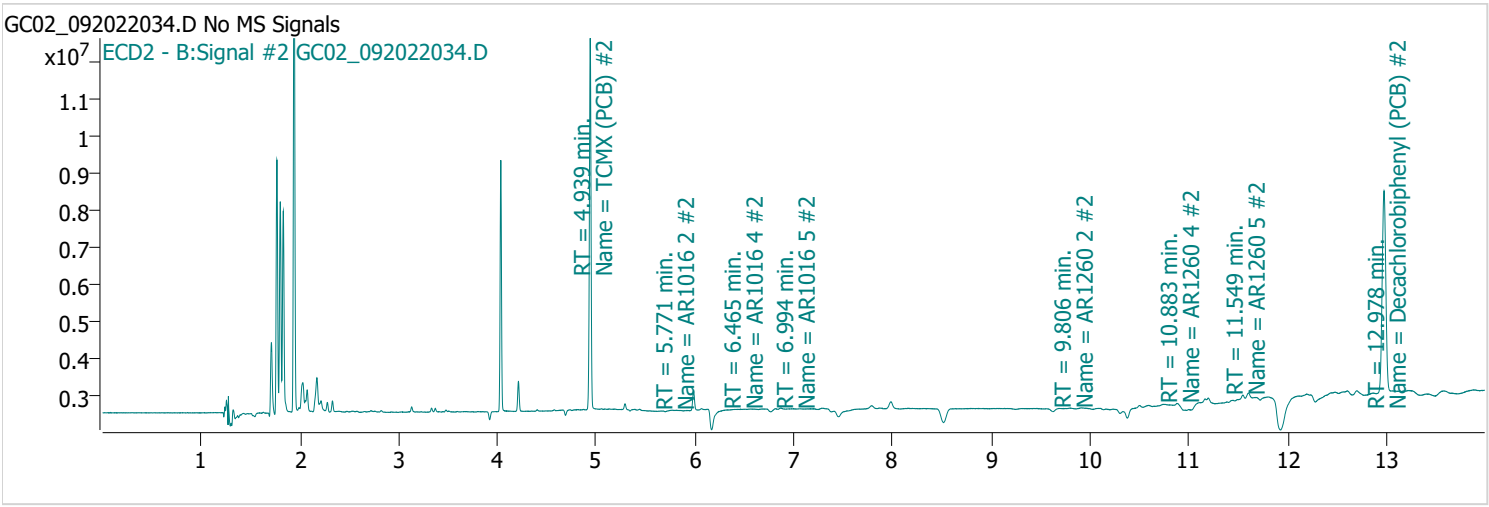
Analyst: TJW 09/21/22 *

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092022034.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/20/2022 11:20:26 PM
Sample Name	469273-011, 297328, 1	Instrument	SVOA-GC02
Vial	22	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_8.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	092022PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



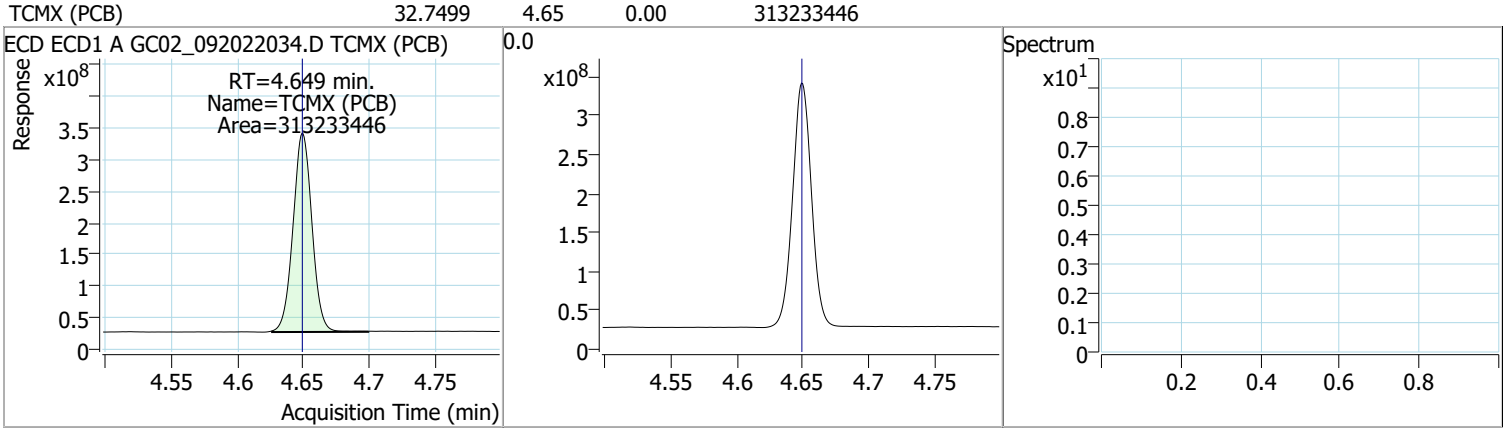


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.848	0.0	202198235.996	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.033	0.0	7013368.395	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.649	0.0	313233446.252	32.7499	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.75%		*	
S TCMX (PCB) #2	4.939	0.0	11703126.376	32.1307	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 160.65%		*	
S Decachlorobiphenyl (PCB)	11.884	0.0	323694286.979	26.8886	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 134.44%			
S Decachlorobiphenyl (PCB) #2	12.978	0.0	14147846.585	33.6918	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.46%		*	
Target Compounds							QValue

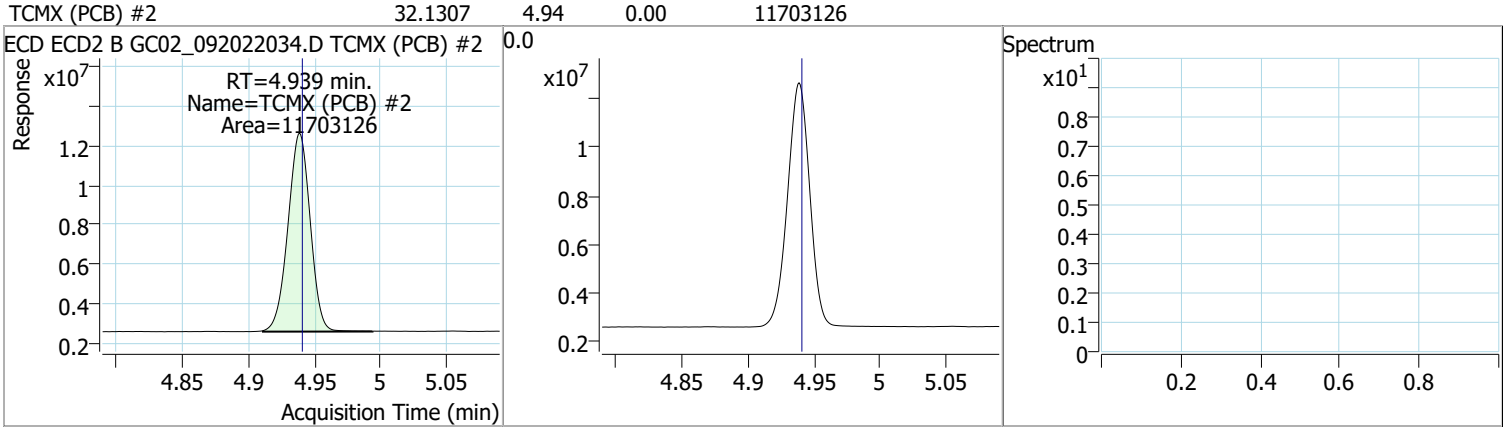
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.991	0.0	6189327.958	34.8042	ng/ml	100
T AR1016 2	5.334	0.0	2473151.304	7.2040	ng/ml	100
T AR1016 1 #2	5.384	0.0	131548.009	14.8443	ng/ml	100
T AR1016 3	5.634	0.0	17817503.784	34.4377	ng/ml	100
T AR1016 2 #2	5.771	0.0	129125.661	7.2167	ng/ml	100
T AR1016 4	5.950	0.0	10491800.041	34.4409	ng/ml	100
T AR1016 5	6.255	0.0	1145489.551	4.0827	ng/ml	100
T AR1016 3 #2	6.129	0.0	353915.076	16.3153	ng/ml	100
T AR1016 4 #2	6.465	0.0	135308.022	7.9099	ng/ml	100
T AR1016 5 #2	6.994	0.0	10330.823	0.7493	ng/ml	100
T AR1260 1	7.841	0.0	30906747.846	57.0494	ng/ml	100
T AR1260 2	8.365	0.0	1594346.956	1.9253	ng/ml	100
T AR1260 3	9.061	0.0	1619757.696	38.3794	ng/ml	100
T AR1260 1 #2	9.433	0.0	65165.434	2.3199	ng/ml	100
T AR1260 4	9.740	0.0	23039209.843	41.3433	ng/ml	100
T AR1260 2 #2	9.806	0.0	97186.141	3.0707	ng/ml	100
T AR1260 3 #2	10.498	0.0	2977118.742	79.0884	ng/ml	100
T AR1260 5	10.704	0.0	24091743.760	33.0609	ng/ml	100
T AR1260 4 #2	10.883	0.0	648888.538	29.9276	ng/ml	100
T AR1260 5 #2	11.549	0.0	404417.577	12.6049	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

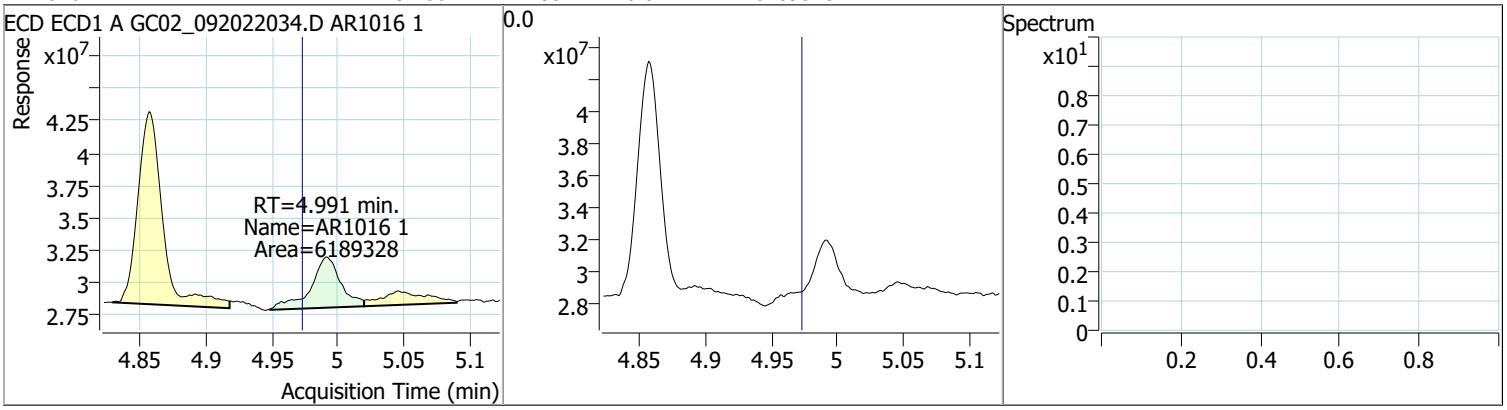
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.7499	4.65	0.00	313233446				



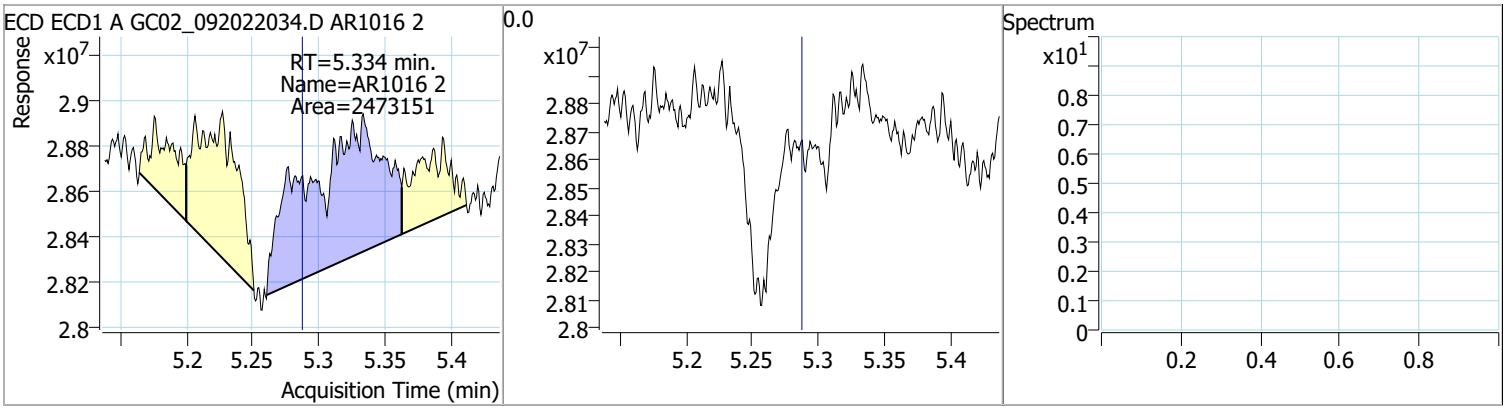
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.1307	4.94	0.00	11703126				



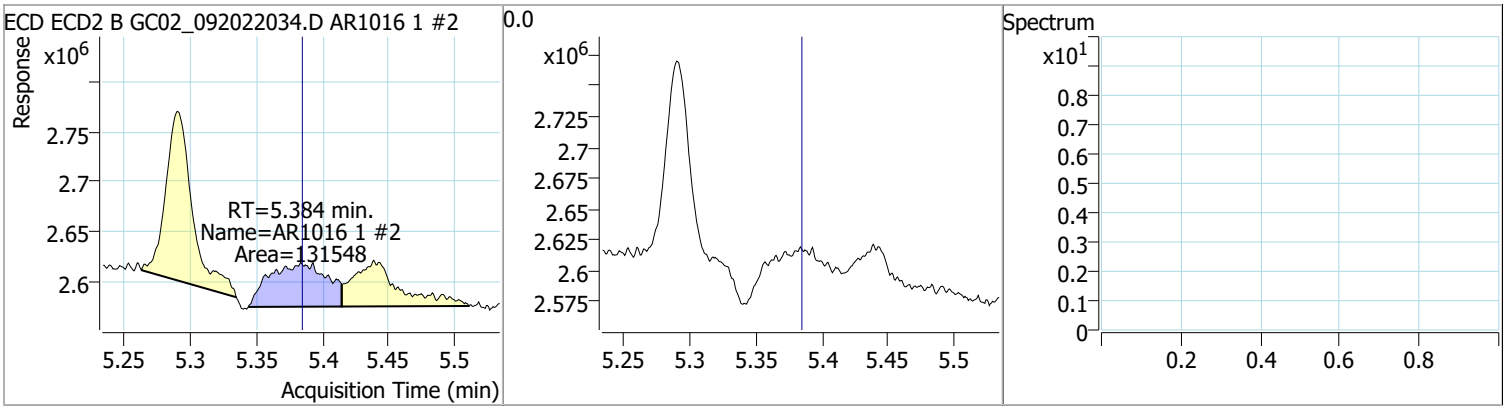
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	34.8042	4.99	0.02	6189328				



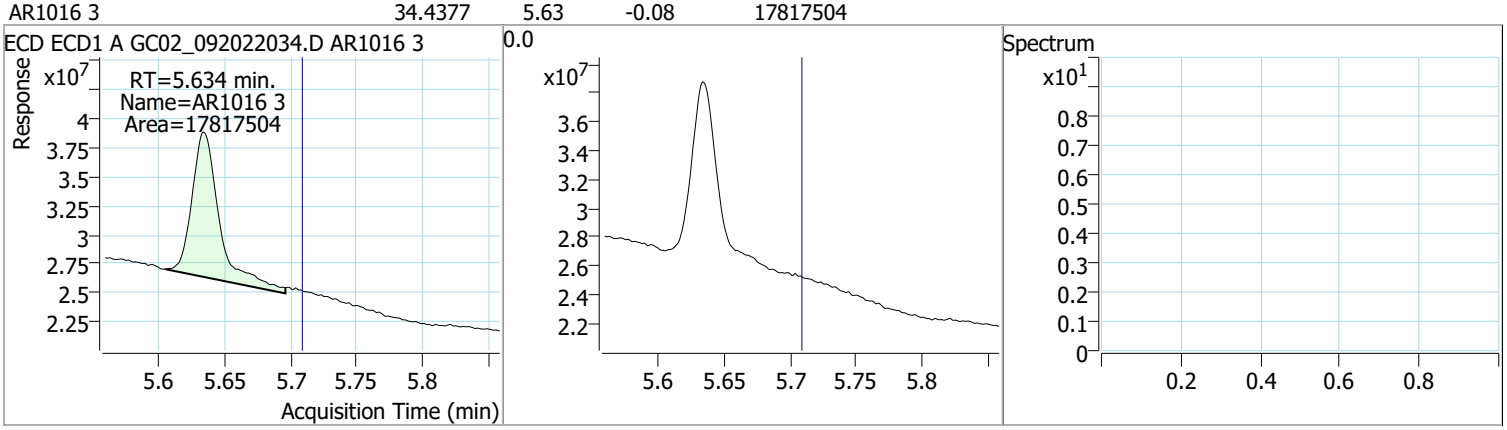
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	7.2040	5.33	0.04	2473151				



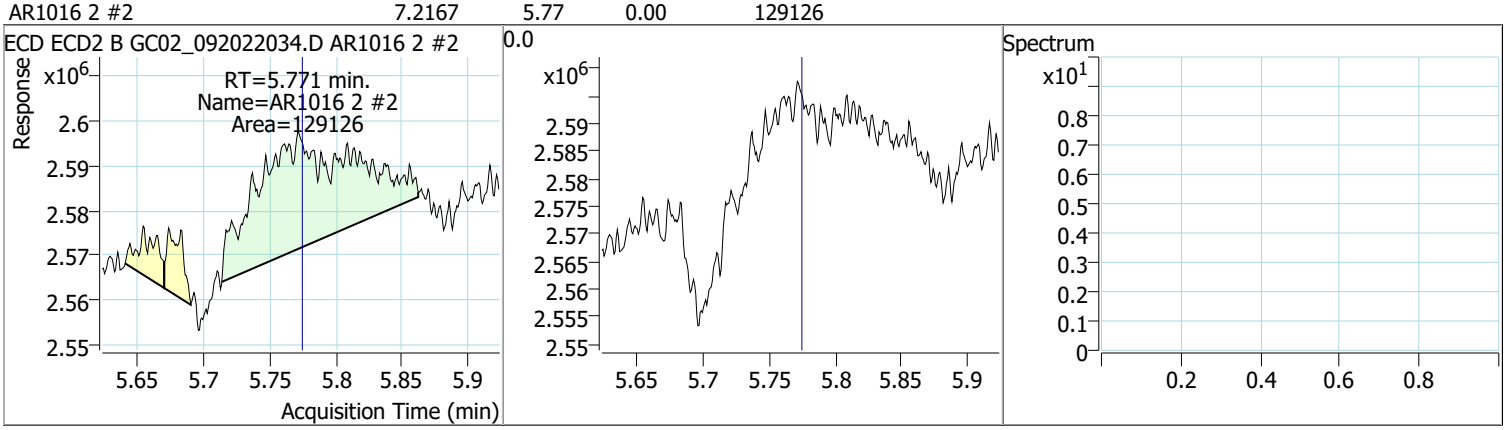
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AR1016 1 #2	14.8443	5.38	0.00	131548				



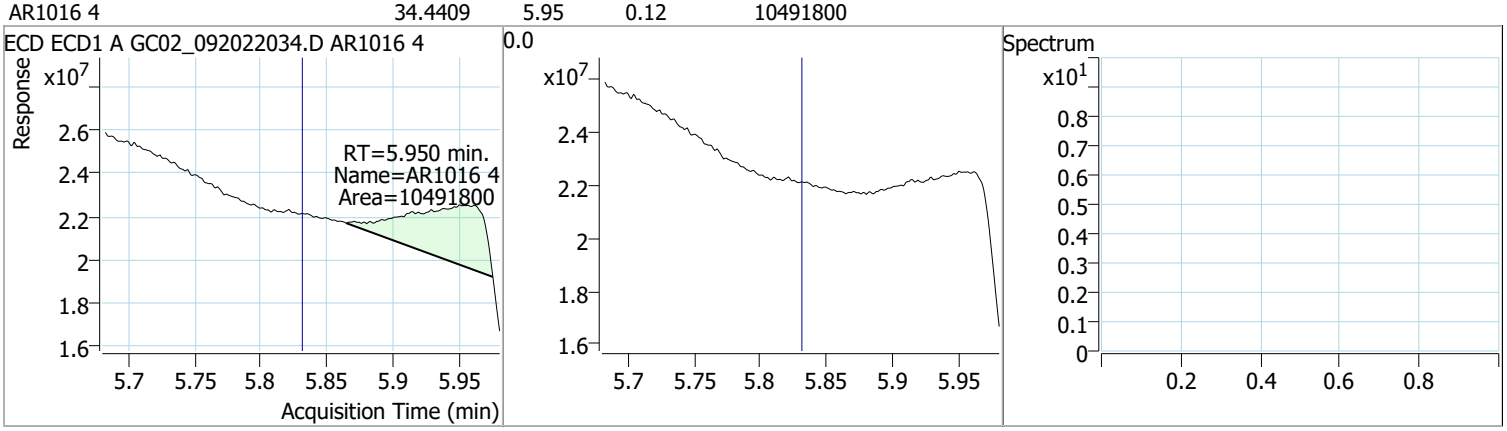
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	34.4377	5.63	-0.08	17817504				



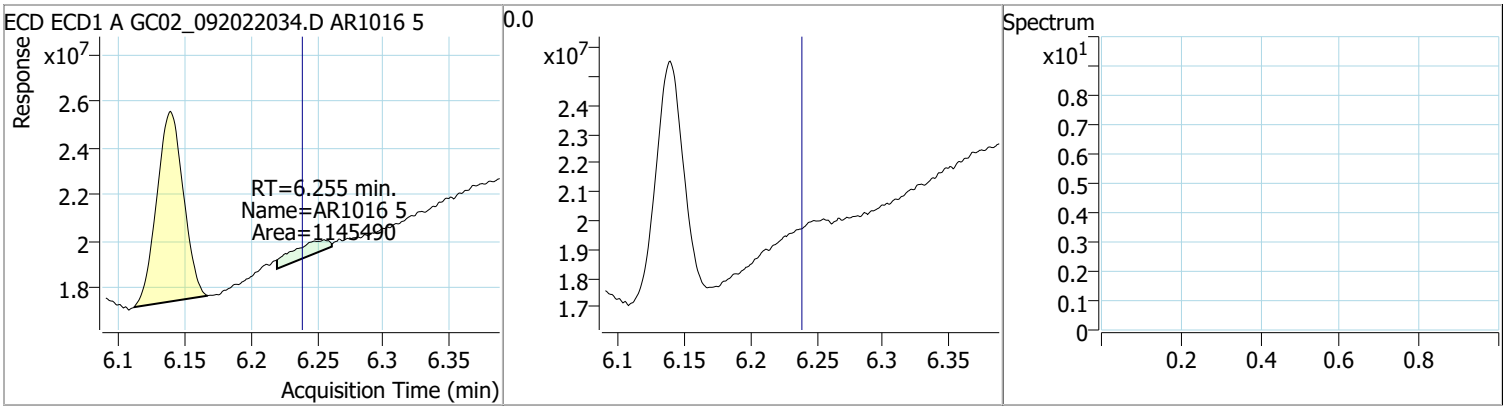
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	7.2167	5.77	0.00	129126				



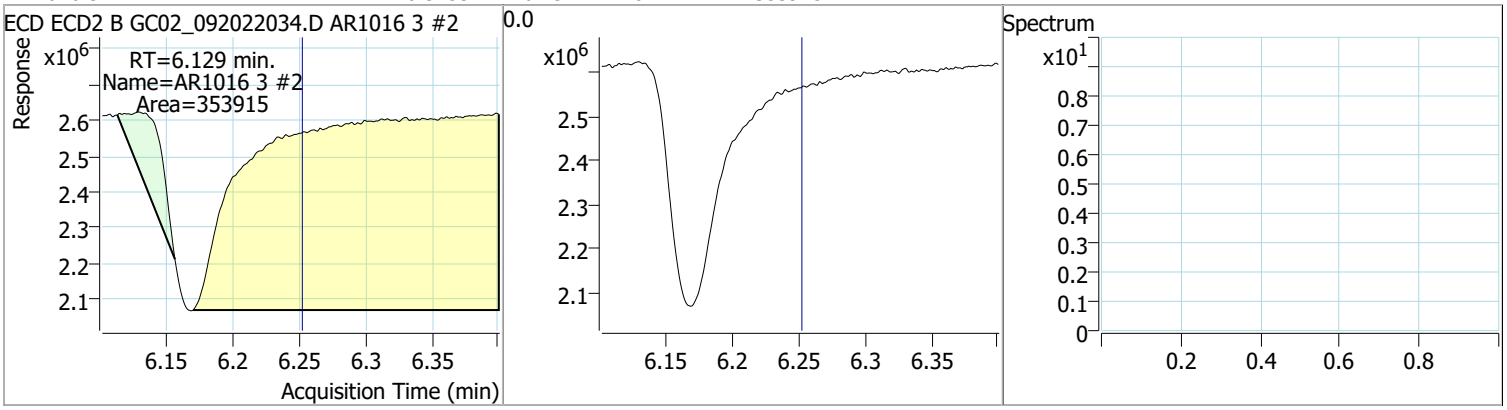
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	34.4409	5.95	0.12	10491800				



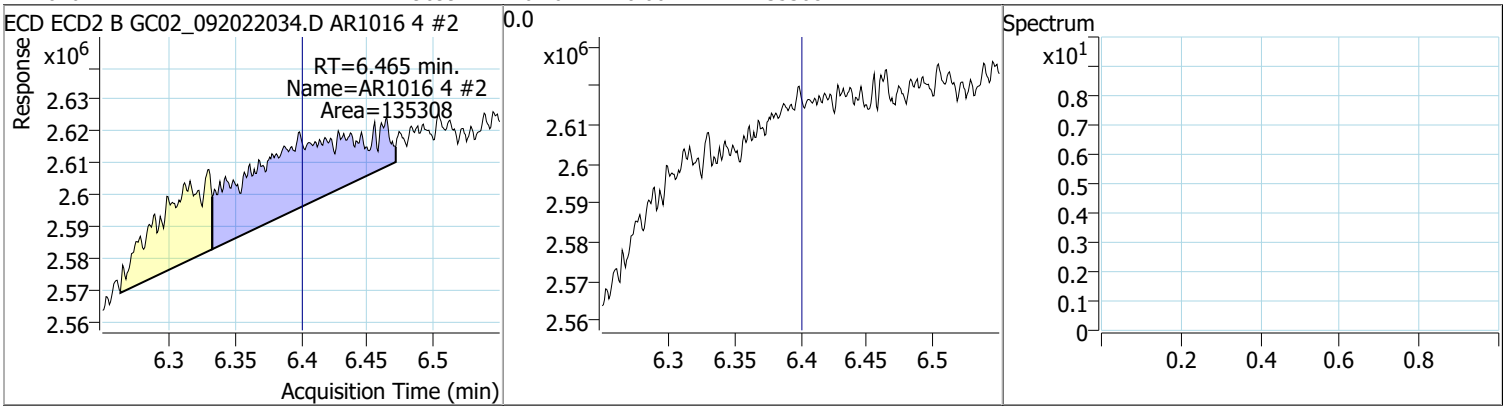
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	4.0827	6.26	0.01	1145490				



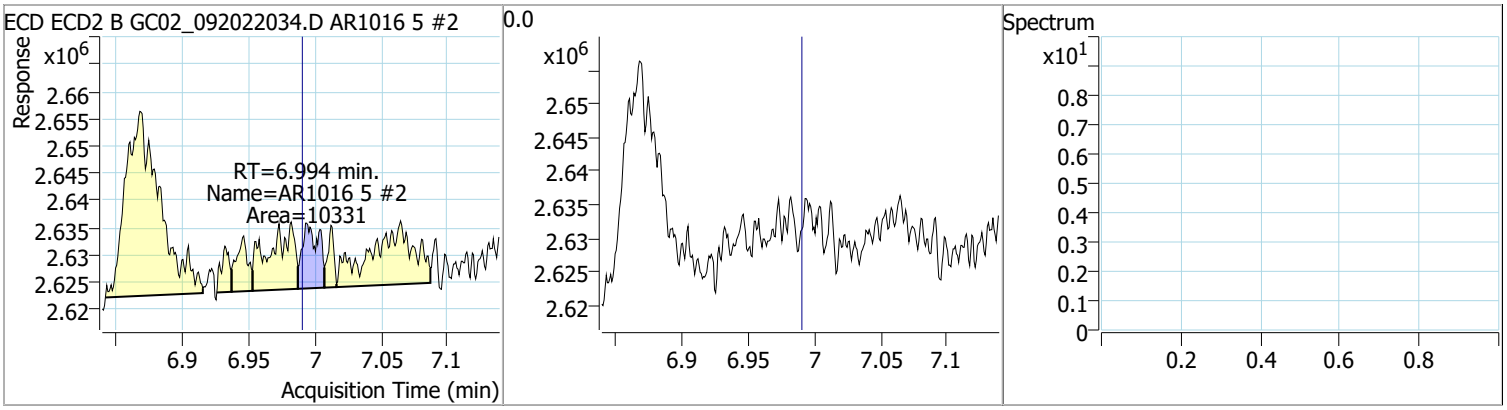
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	16.3153	6.13	-0.12	353915				



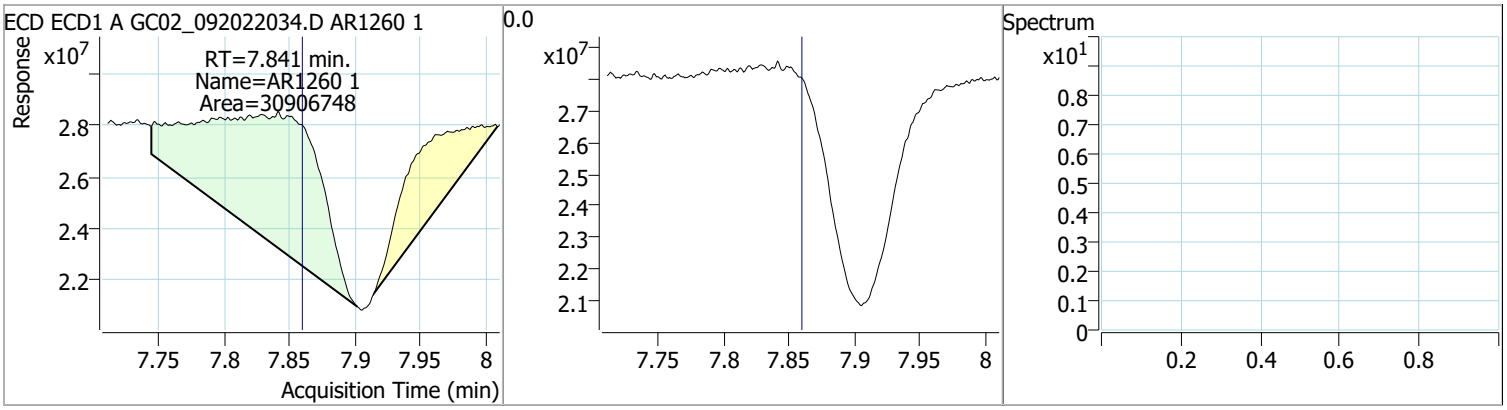
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	7.9099	6.46	0.06	135308				



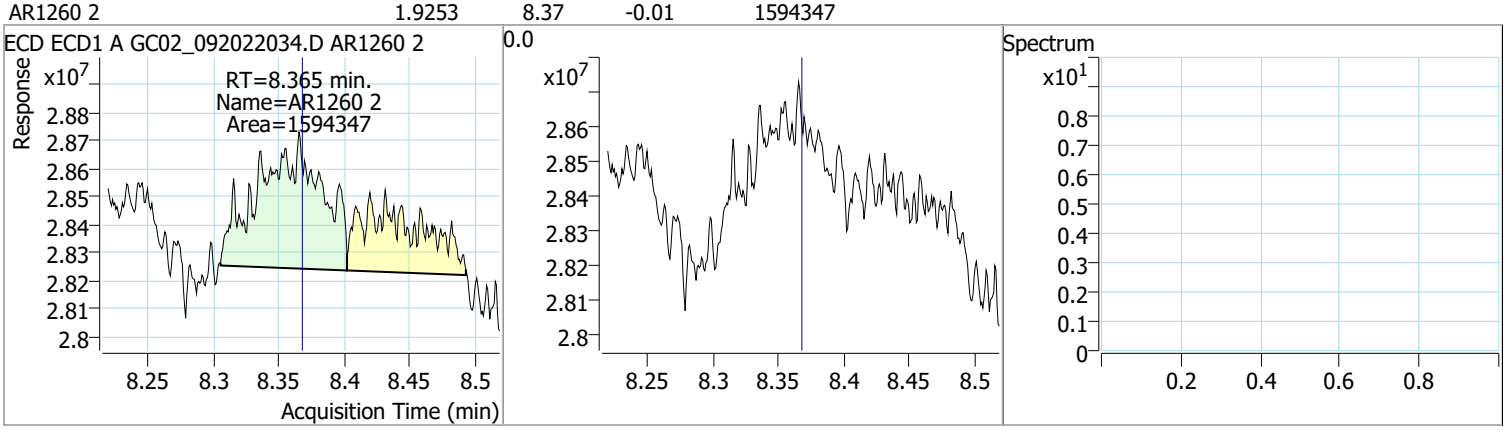
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AR1016 5 #2	0.7493	6.99	0.00	10331				



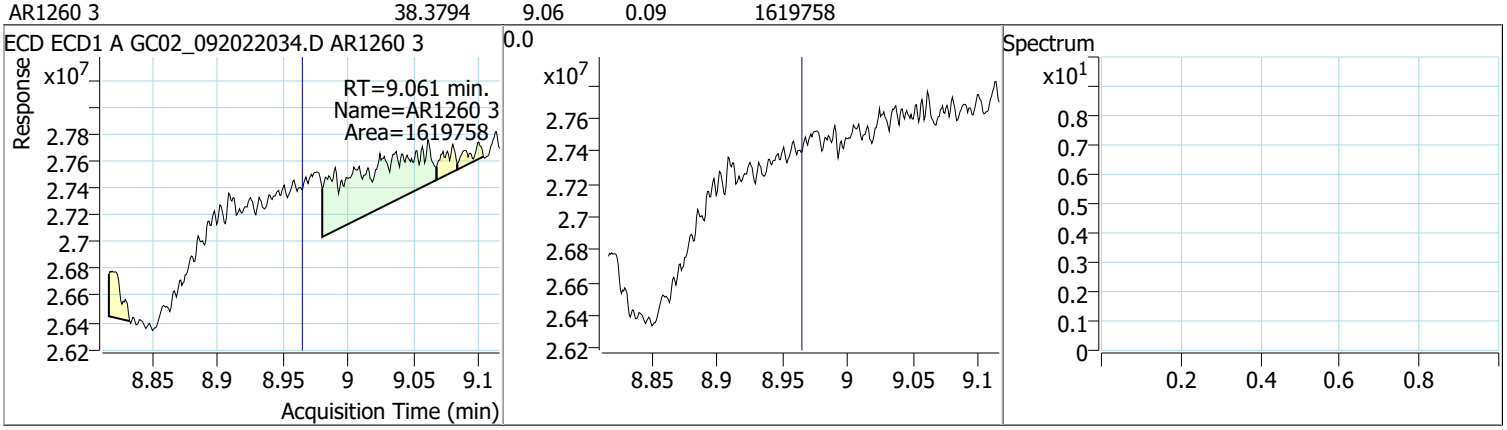
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	57.0494	7.84	-0.02	30906748				



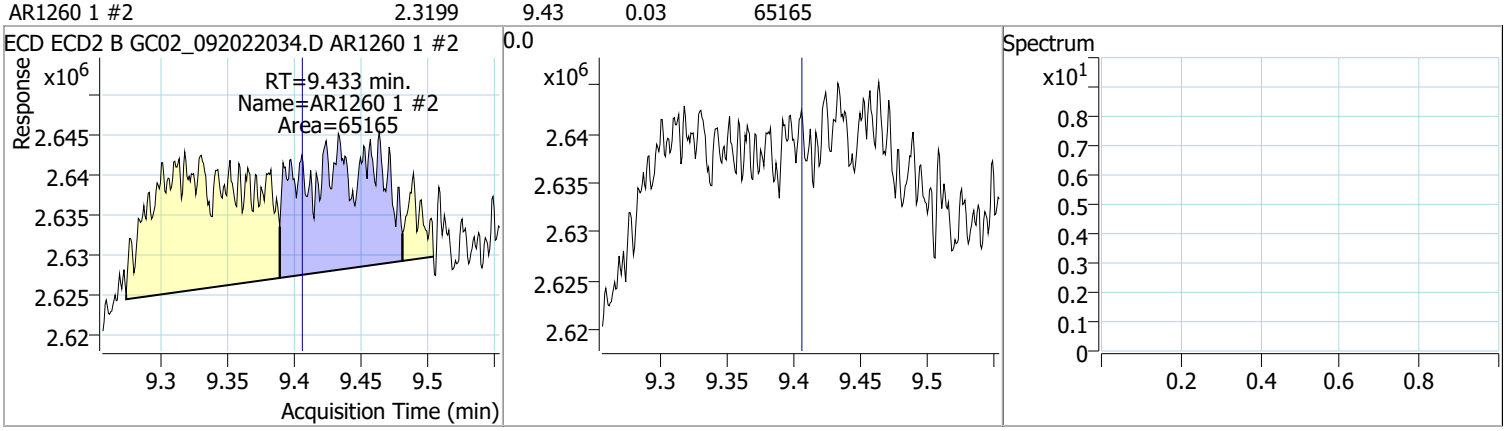
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.9253	8.37	-0.01	1594347				



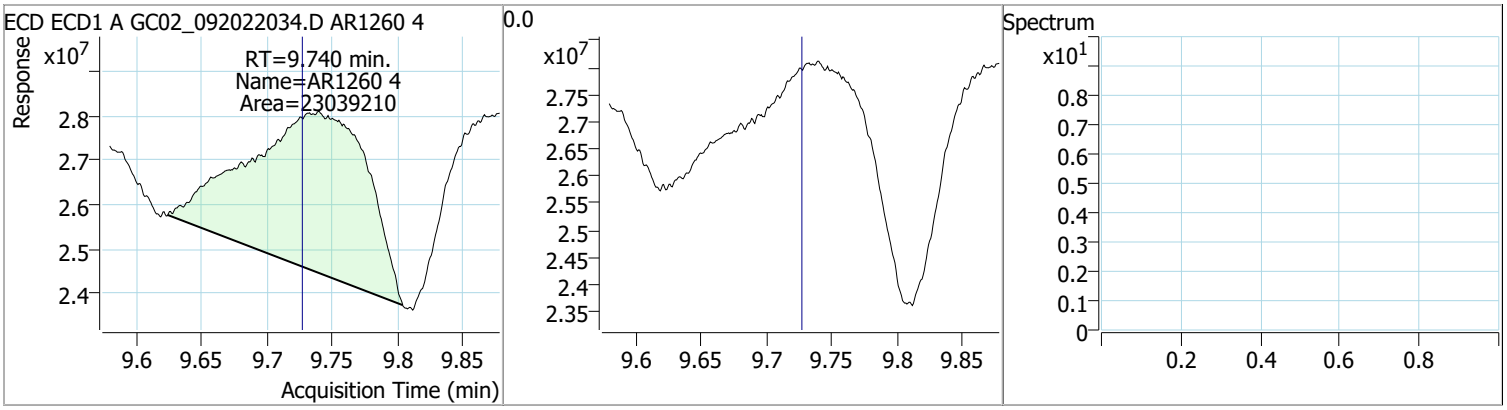
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	38.3794	9.06	0.09	1619758				



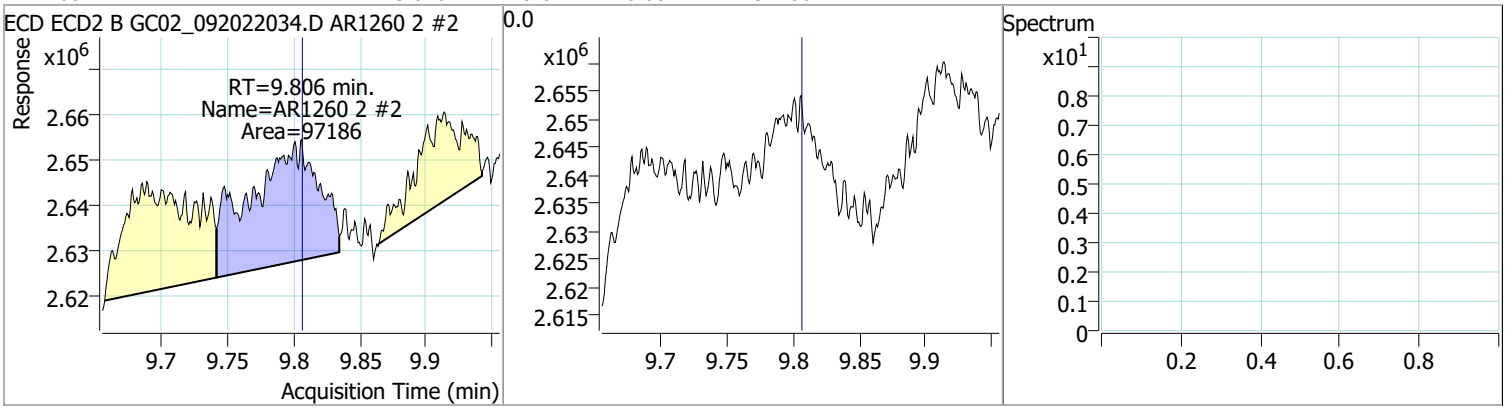
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.3199	9.43	0.03	65165				



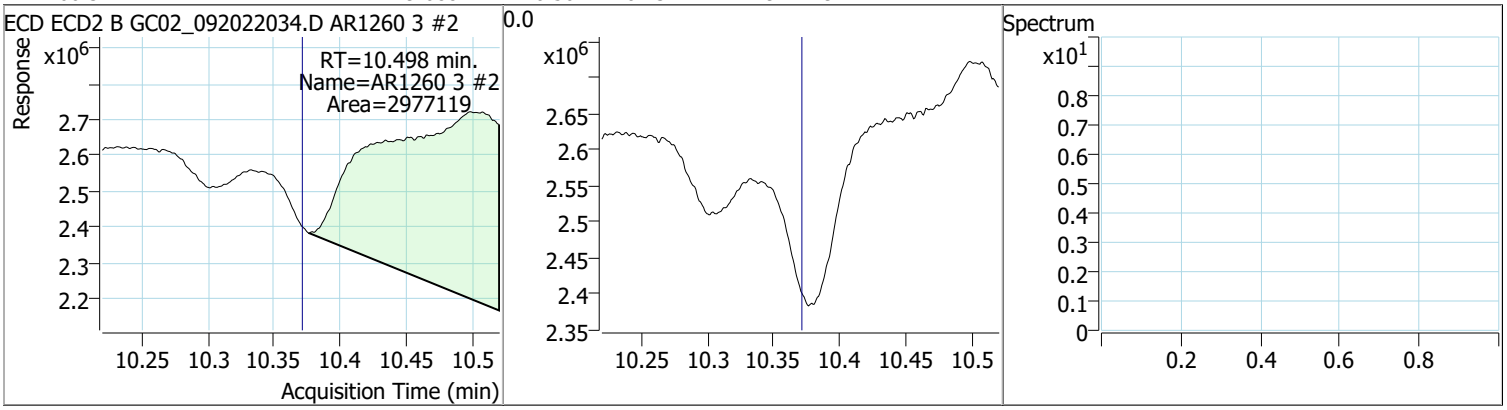
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	41.3433	9.74	0.01	23039210				



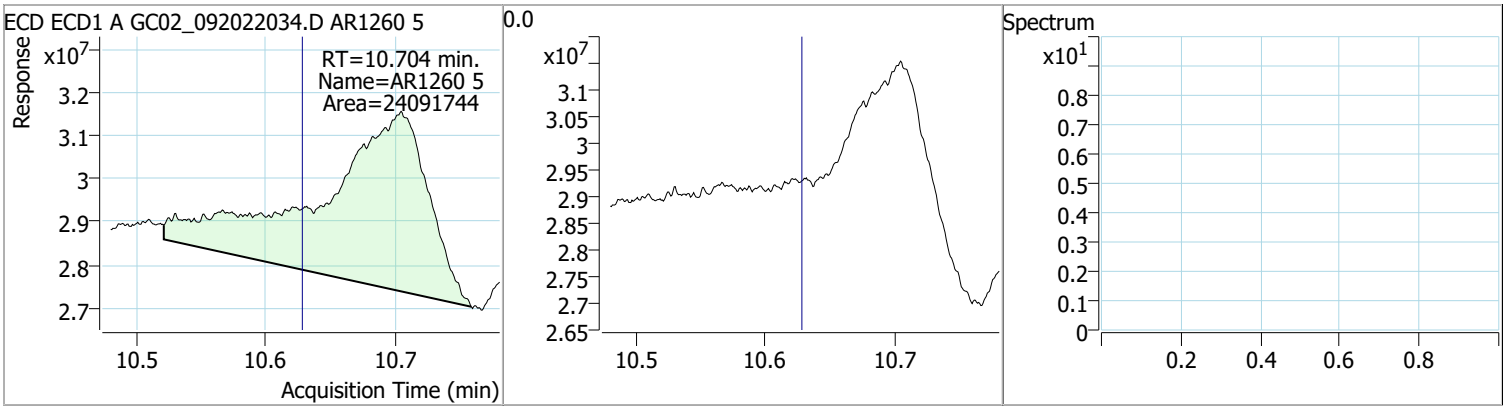
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.0707	9.81	0.00	97186				



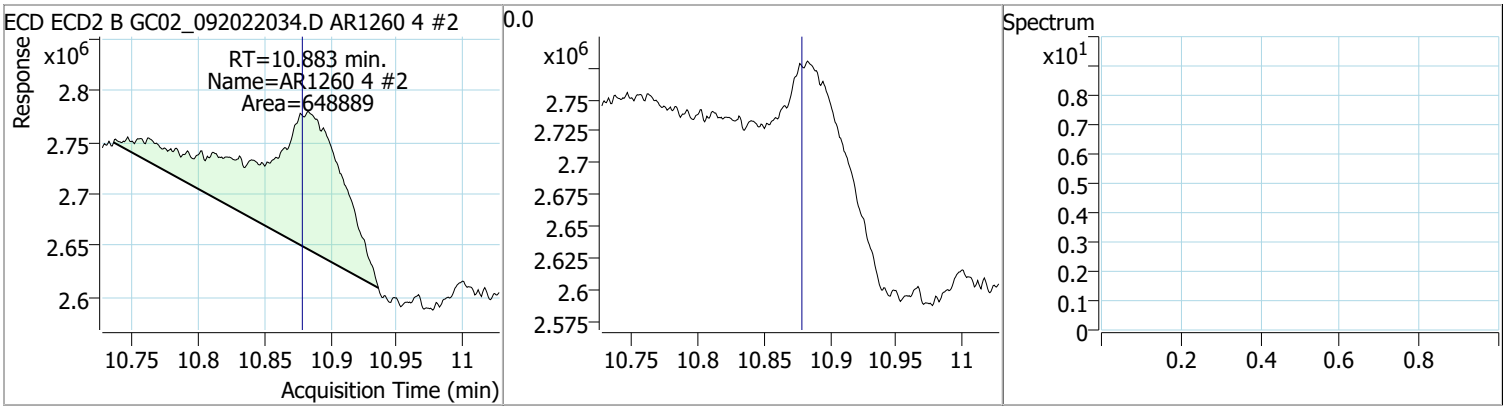
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	79.0884	10.50	0.13	2977119				



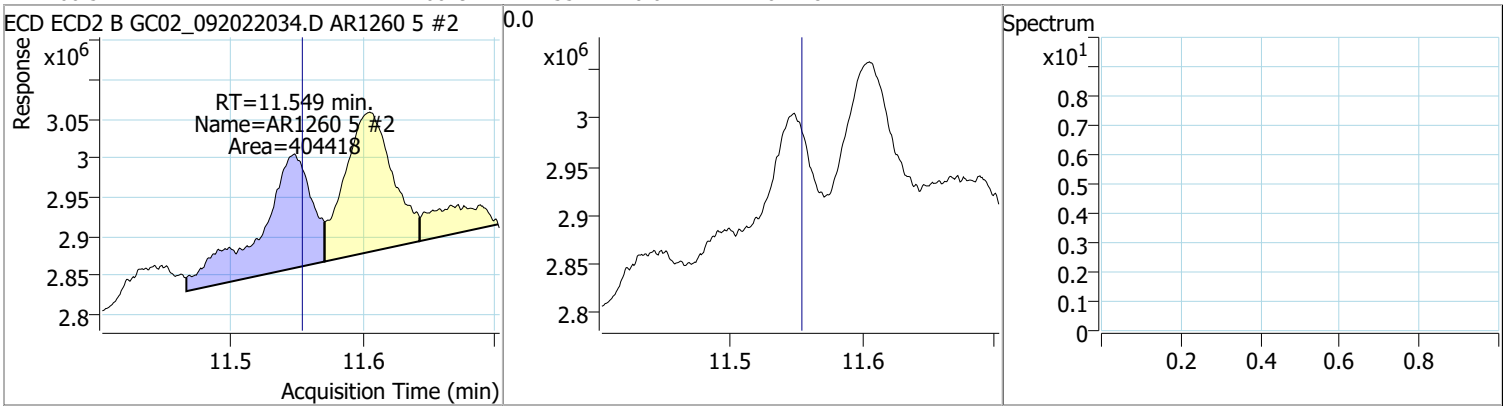
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	33.0609	10.70	0.07	24091744				



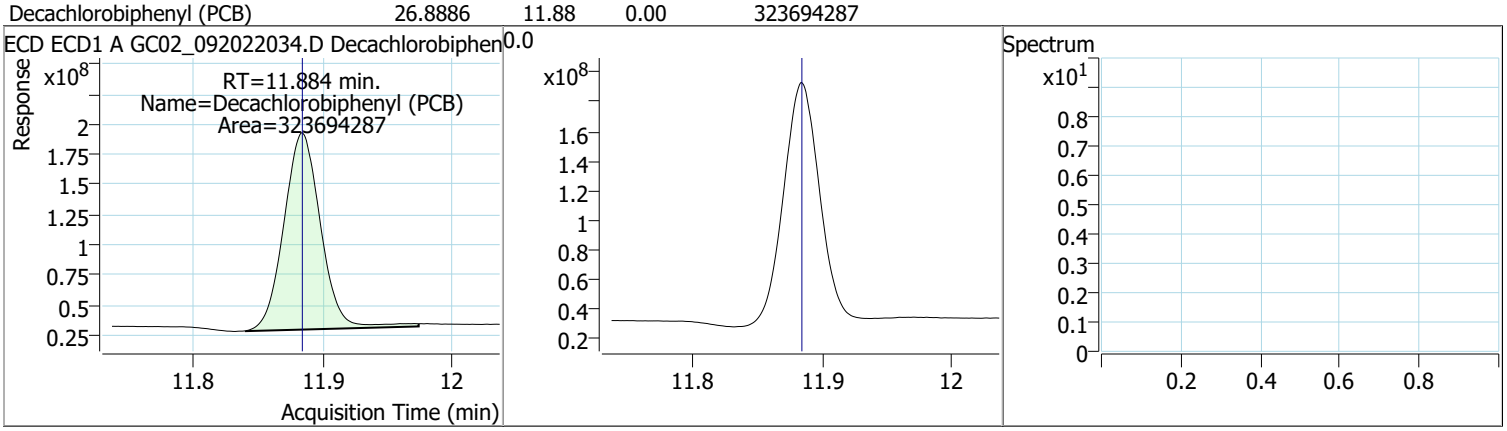
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	29.9276	10.88	0.00	648889				



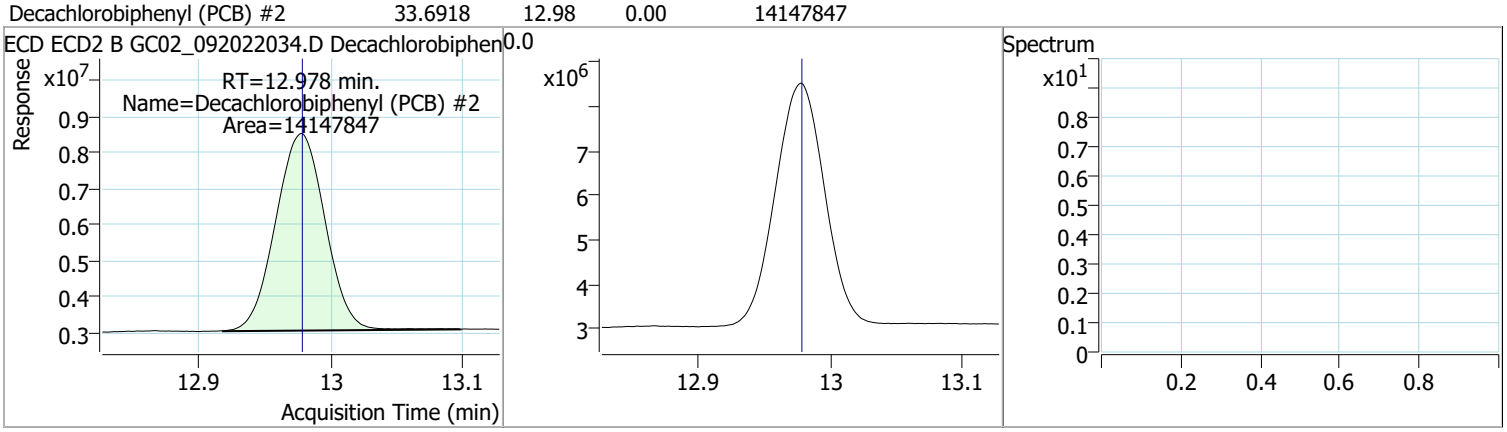
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.6049	11.55	-0.01	404418				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.8886	11.88	0.00	323694287				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.6918	12.98	0.00	14147847				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	469273-013	Client ID:	AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-P-LA
Seqnum:	212379627035.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_092022-035	Batch:	297328	Time:	20-SEP-2022 23:38
Cal:	212360956002	Caldate:	07-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	10.48	ND	0.81	118%	1.0		u
Aroclor-1016 Peak # 1	B	11.76	0.24	0.69	98%			
Aroclor-1016 Peak # 2	B	9.731	0.19	0.04	136%			
Aroclor-1016 Peak # 3	B	21.40	0.43	1.19	94%			
Aroclor-1016 Peak # 4	B	8.724	0.17	0.02	166%			
Aroclor-1016 Peak # 5	B	0.7592	0.02	2.11	197%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	27.29	ND	0.62	12%	1.0		u
Aroclor-1260 Peak # 1	B	3.893	0.08	1.35	178%			
Aroclor-1260 Peak # 2	B	2.659	0.05	0.05	2%			
Aroclor-1260 Peak # 3	B	82.48	1.65	ND				
Aroclor-1260 Peak # 4	B	34.16	0.68	0.81	17%			
Aroclor-1260 Peak # 5	B	13.25	0.27	0.87	107%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	32.24	1.000	0.6448	64	52-186	c+ u
Decachlorobiphenyl (PCB)	B	33.81	1.000	0.6761	68	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_092022-008)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5202550	6941021	33.42
1-bromo-2-nitrobenzene (PCB)	A	156453134	192120516	22.80

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

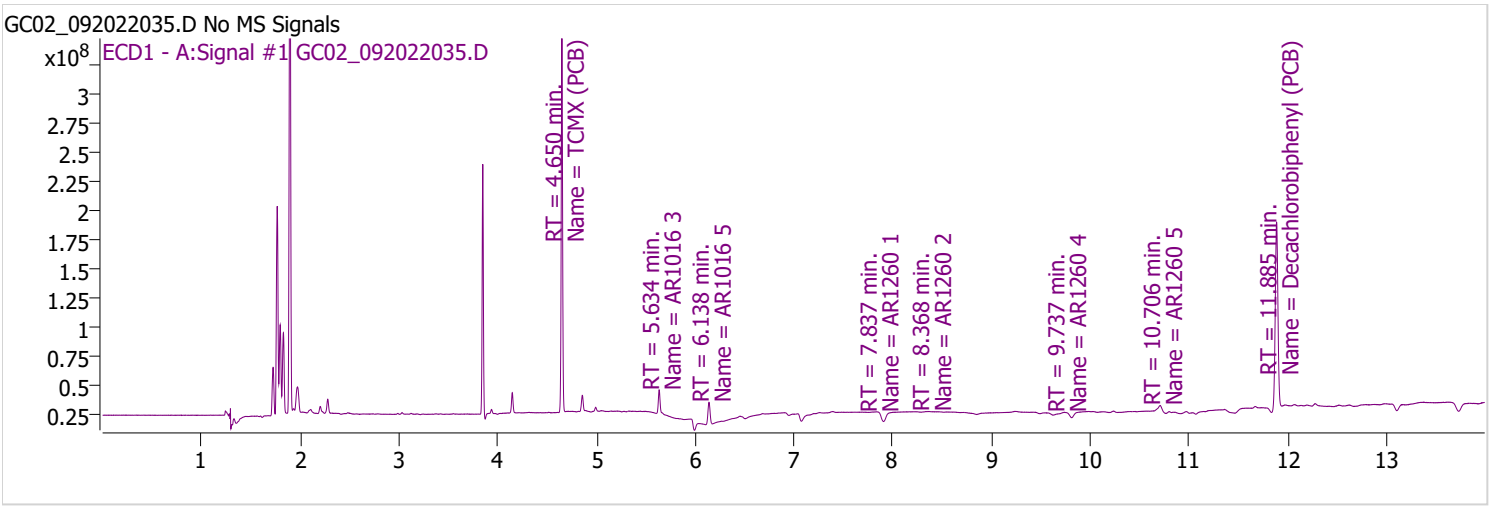
ISTD (CCV gc02_092022-008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

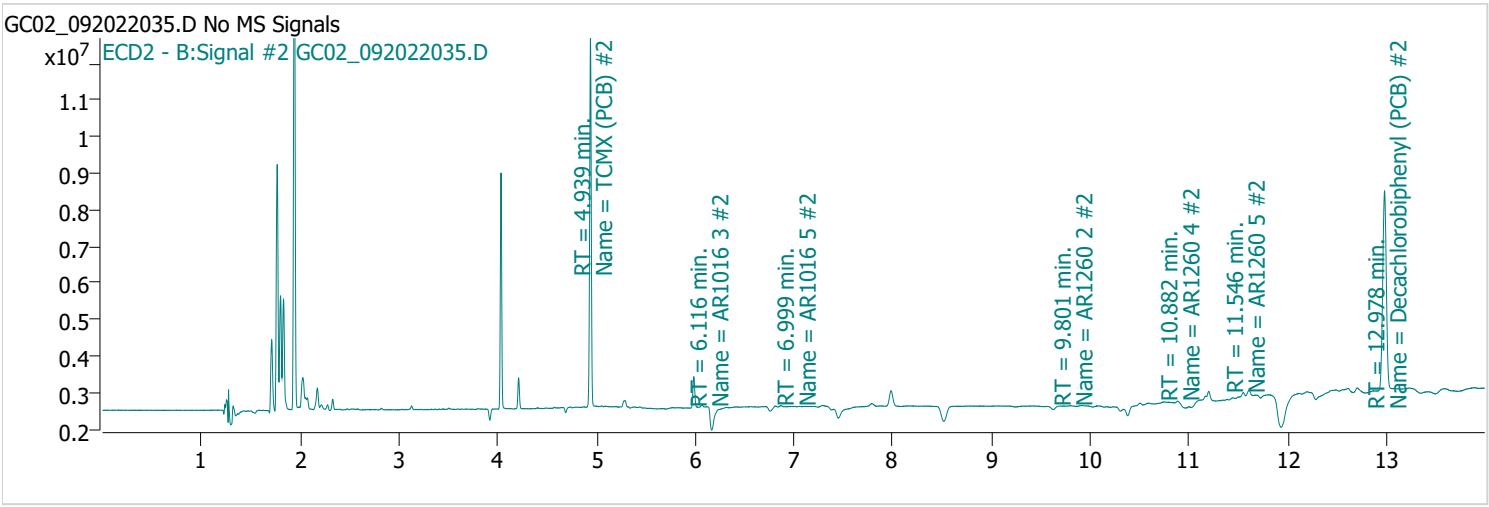
Analyst: TJW 09/21/22 *

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092022035.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/20/2022 11:38:11 PM
Sample Name	469273-013, 297328, 1	Instrument	SVOA-GC02
Vial	23	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_8.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	092022PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



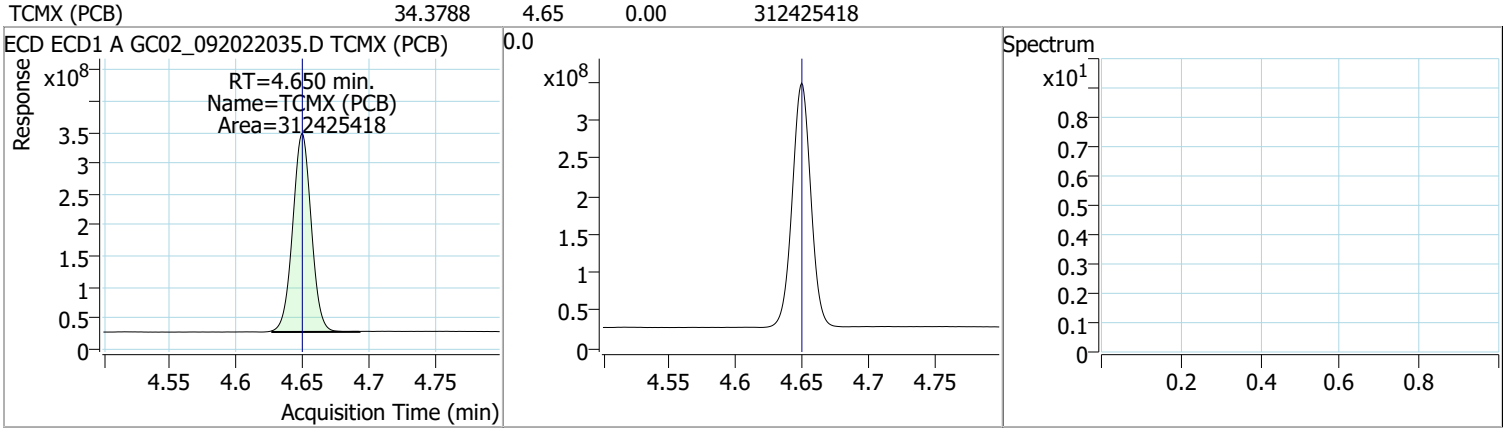


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.849	0.0	192120515.839	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.034	0.0	6941020.521	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.650	0.0	312425418.488	34.3788	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.89%		*	
S TCMX (PCB) #2	4.939	0.0	11621435.323	32.2390	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.19%		*	
S Decachlorobiphenyl (PCB)	11.885	0.0	315288363.669	27.5641	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 137.82%			
S Decachlorobiphenyl (PCB) #2	12.978	0.0	14049641.735	33.8066	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.03%		*	
Target Compounds							QValue

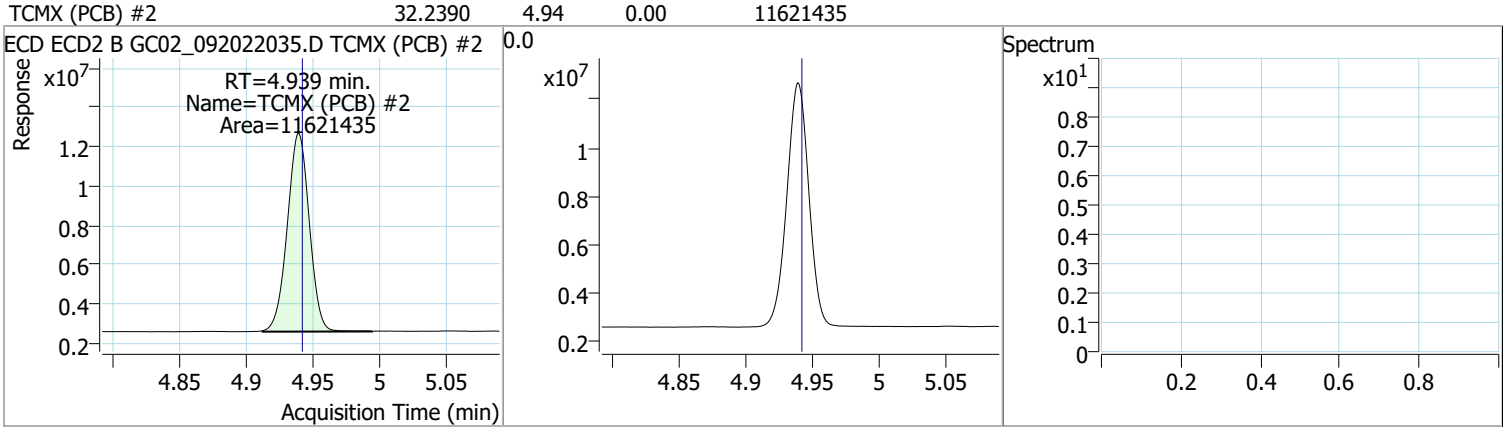
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.992	0.0	5821679.131	34.4541	ng/ml	100
T AR1016 2	5.277	0.0	599284.645	1.8372	ng/ml	100
T AR1016 1 #2	5.382	0.0	103149.066	11.7610	ng/ml	100
T AR1016 3	5.634	0.0	29218929.408	59.4368	ng/ml	100
T AR1016 2 #2	5.777	0.0	172316.942	9.7311	ng/ml	100
T AR1016 4	5.851	0.0	235314.655	0.8130	ng/ml	100
T AR1016 5	6.138	0.0	28070043.390	105.2945	ng/ml	100
T AR1016 3 #2	6.116	0.0	459481.078	21.4026	ng/ml	100
T AR1016 4 #2	6.426	0.0	147703.801	8.7245	ng/ml	100
T AR1016 5 #2	6.999	0.0	10359.431	0.7592	ng/ml	100
T AR1260 1	7.837	0.0	34753713.203	67.5153	ng/ml	100
T AR1260 2	8.368	0.0	2058857.565	2.6166	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	9.389	0.0	108222.940	3.8929	ng/ml	100
T AR1260 4	9.737	0.0	21376585.046	40.3719	ng/ml	100
T AR1260 2 #2	9.801	0.0	83283.163	2.6589	ng/ml	100
T AR1260 3 #2	10.503	0.0	3072821.909	82.4816	ng/ml	100
T AR1260 5	10.706	0.0	30150403.464	43.5455	ng/ml	100
T AR1260 4 #2	10.882	0.0	733008.946	34.1597	ng/ml	100
T AR1260 5 #2	11.546	0.0	420797.089	13.2521	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

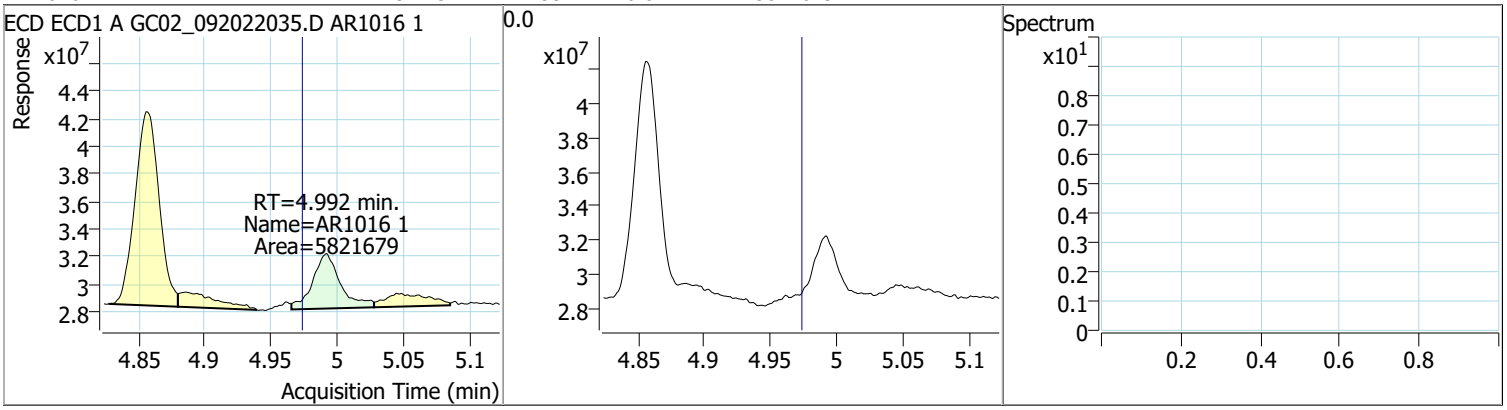
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.3788	4.65	0.00	312425418				



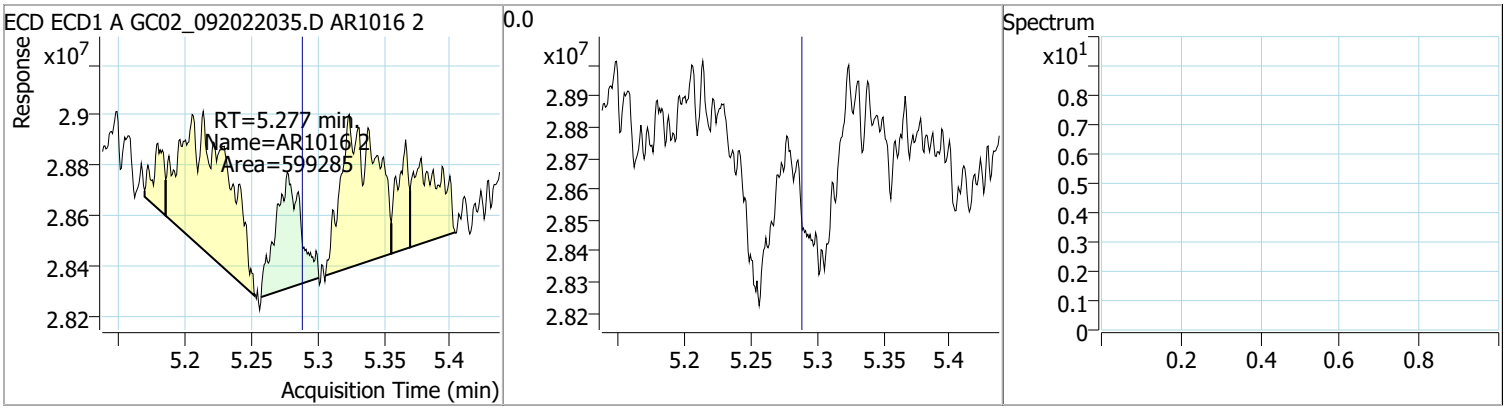
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.2390	4.94	0.00	11621435				



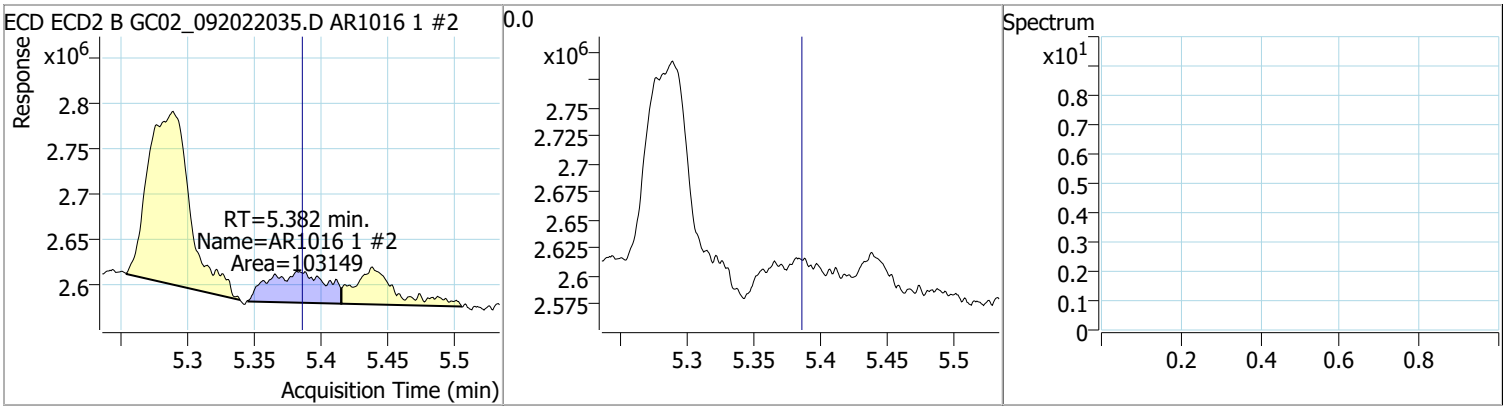
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	34.4541	4.99	0.02	5821679				



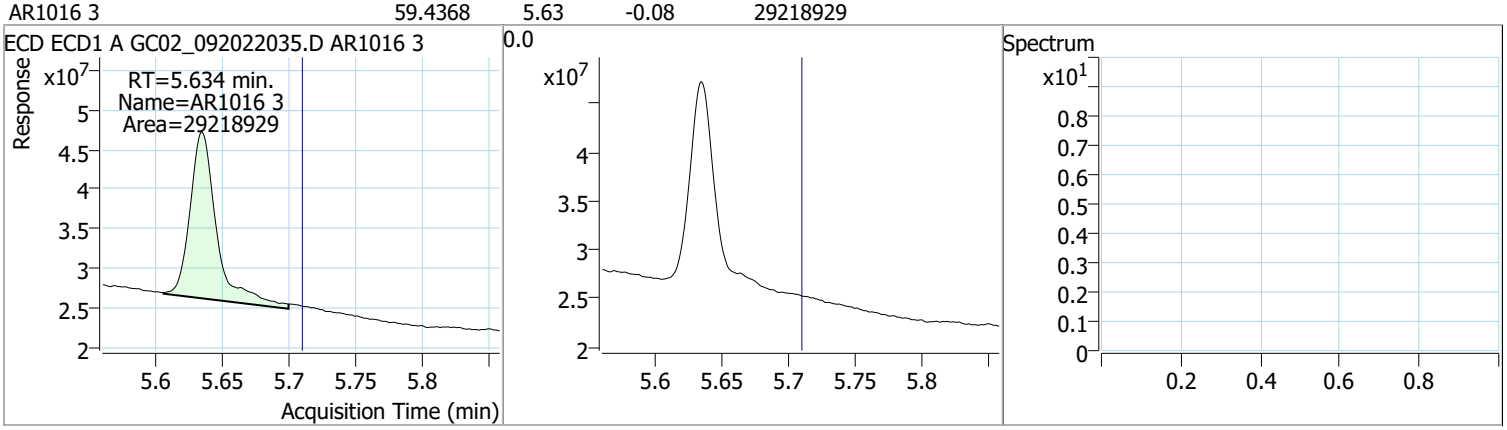
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.8372	5.28	-0.01	599285				



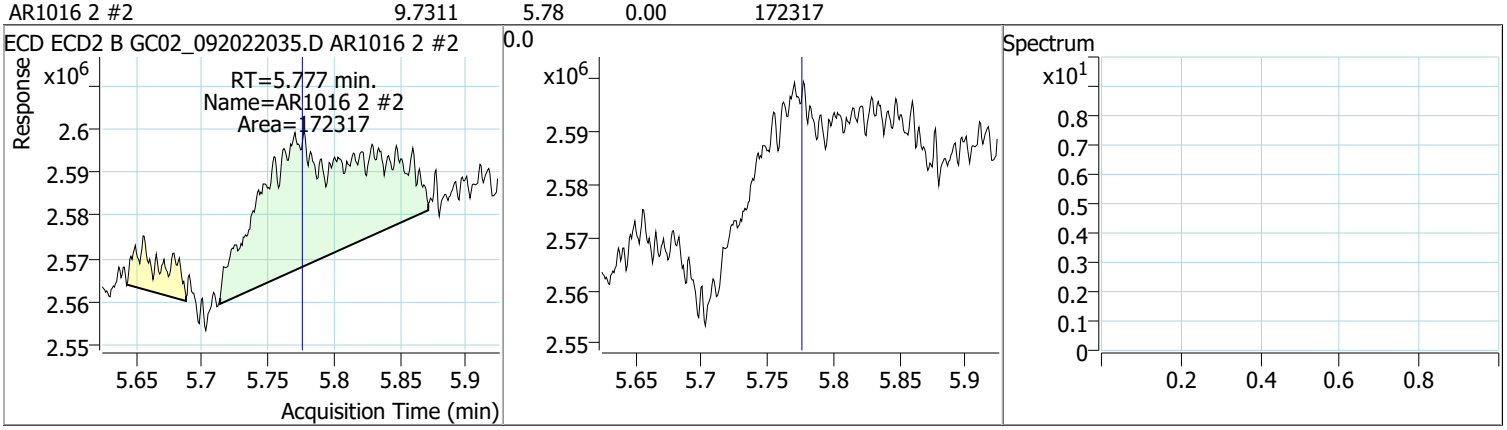
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	11.7610	5.38	0.00	103149				



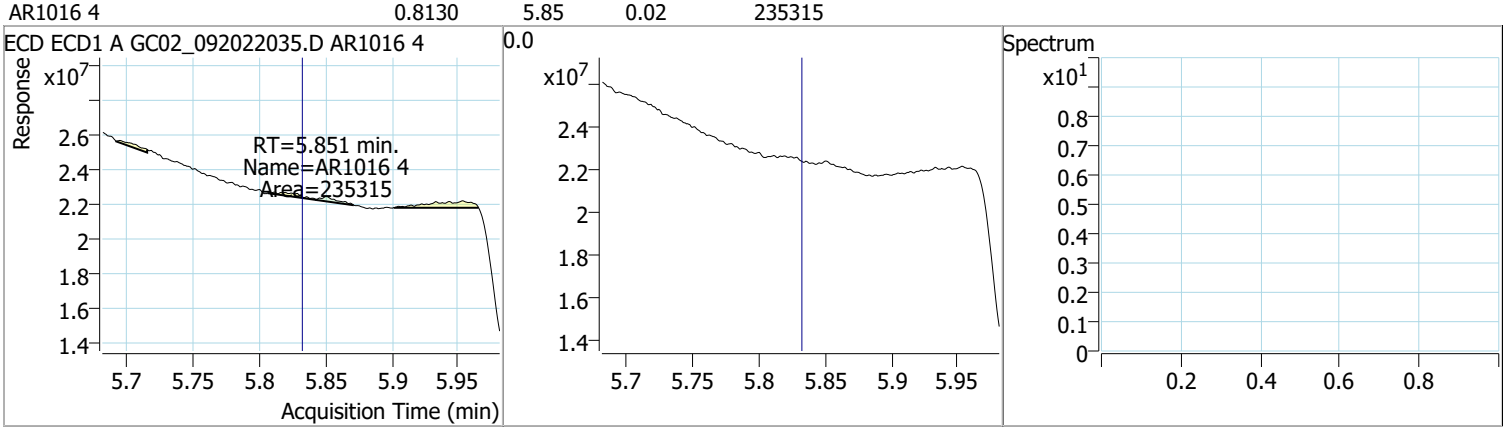
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	59.4368	5.63	-0.08	29218929				



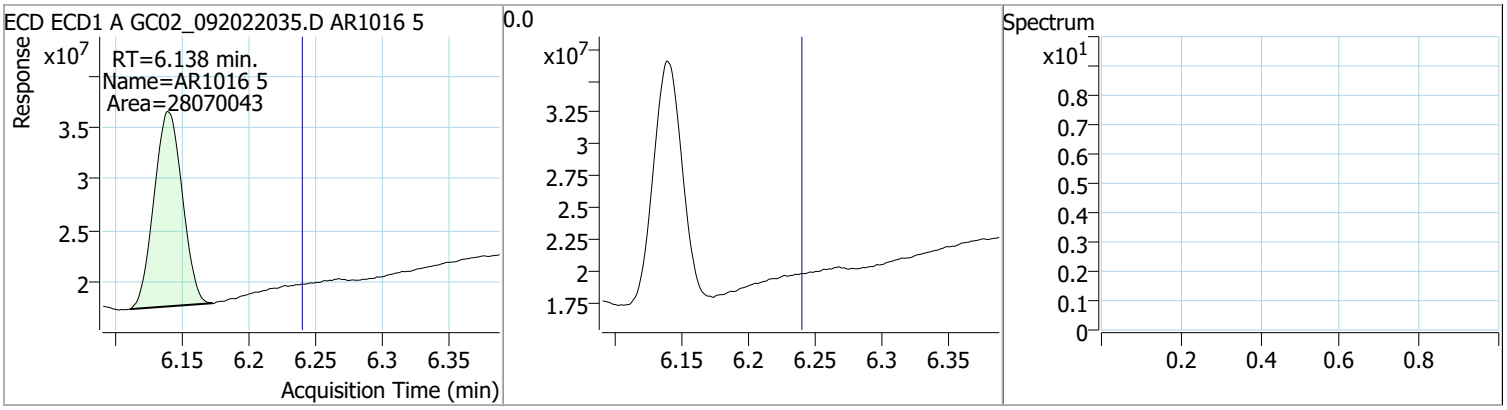
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	9.7311	5.78	0.00	172317				



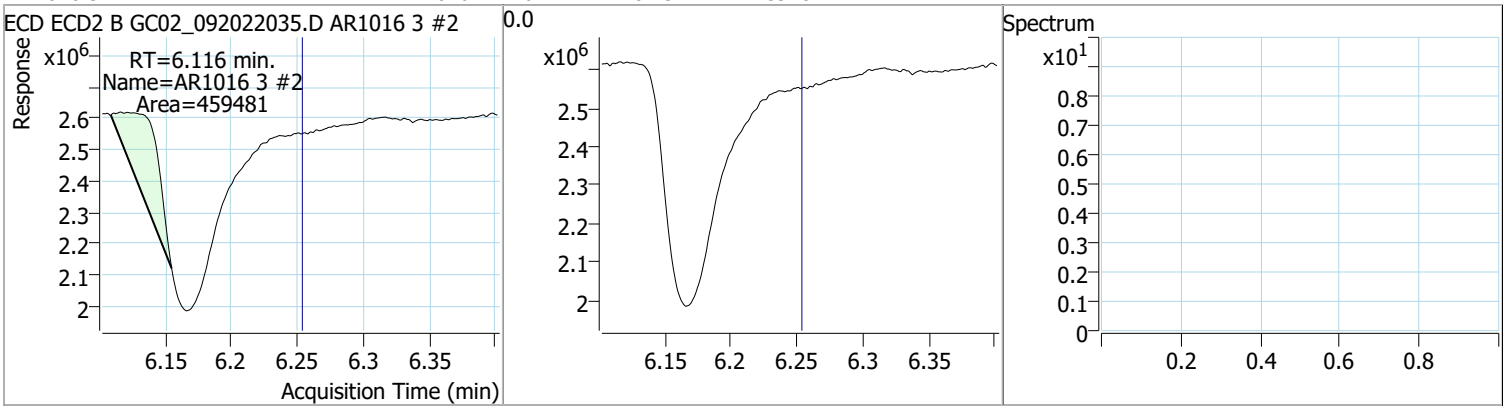
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.8130	5.85	0.02	235315				



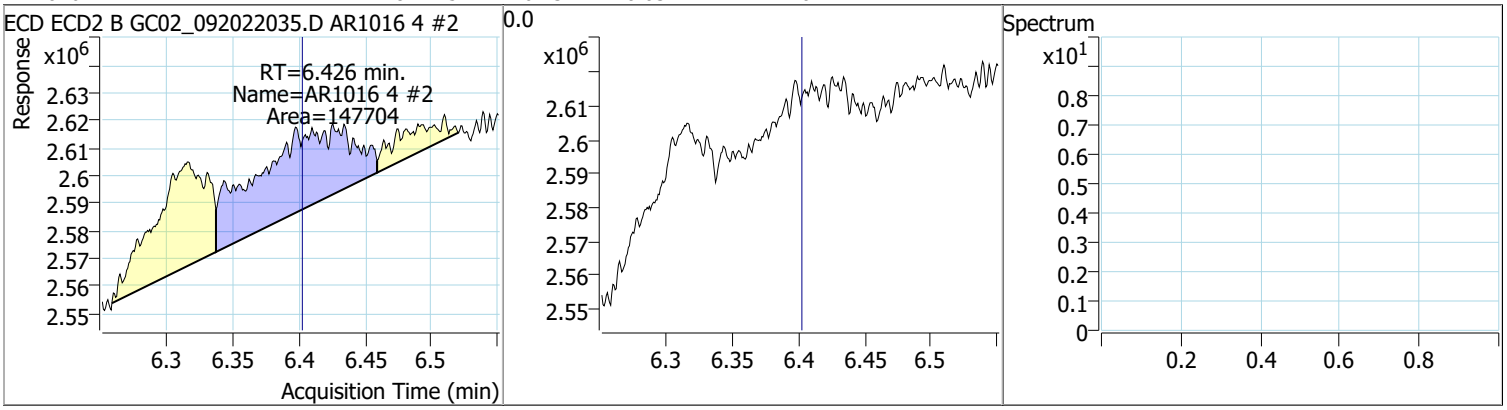
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	105.2945	6.14	-0.10	28070043				



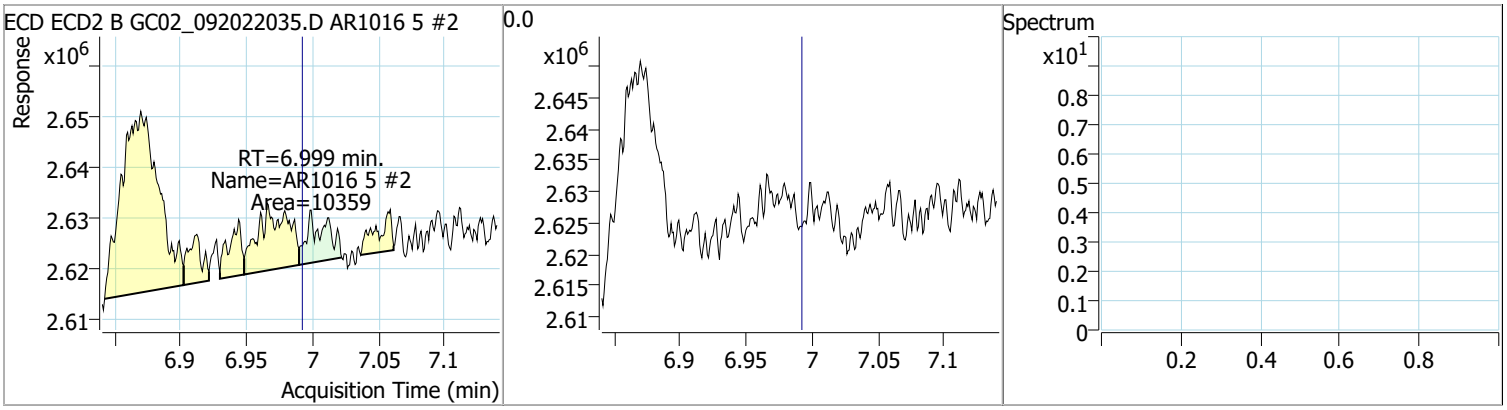
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	21.4026	6.12	-0.13	459481				



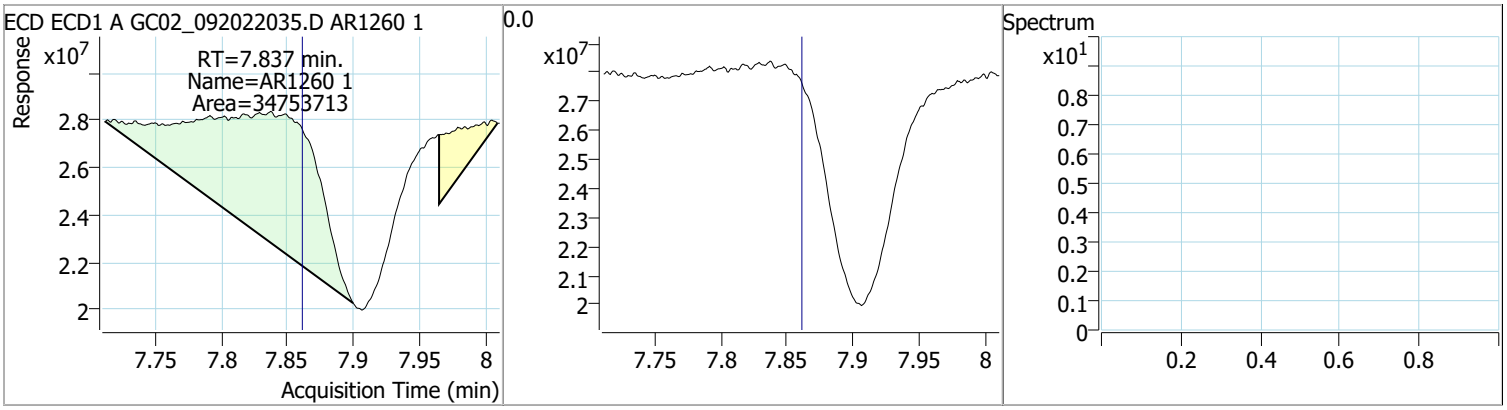
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	8.7245	6.43	0.03	147704				



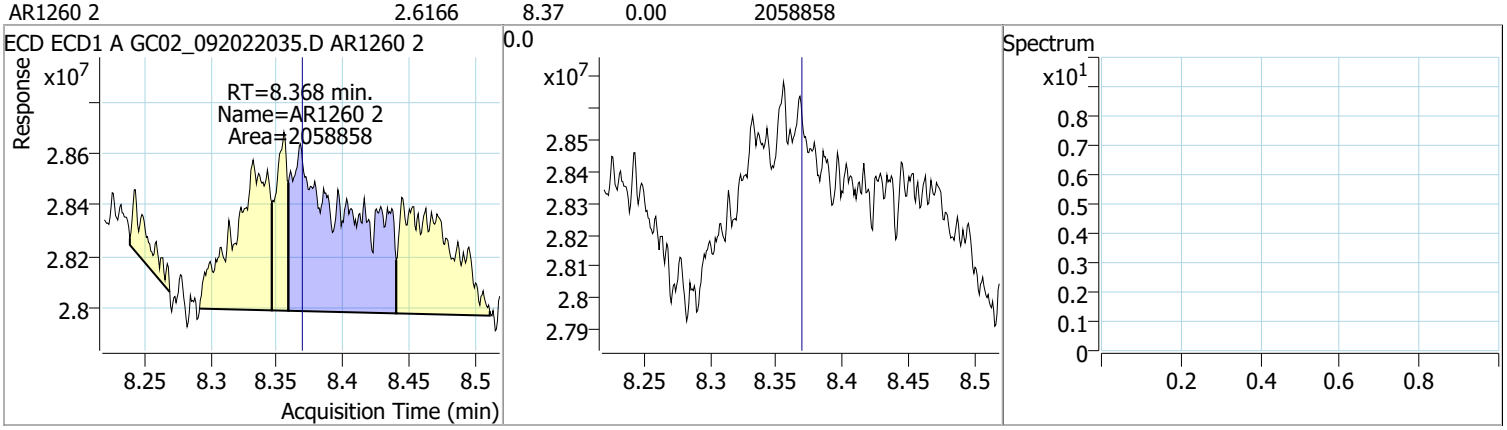
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.7592	7.00	0.01	10359				



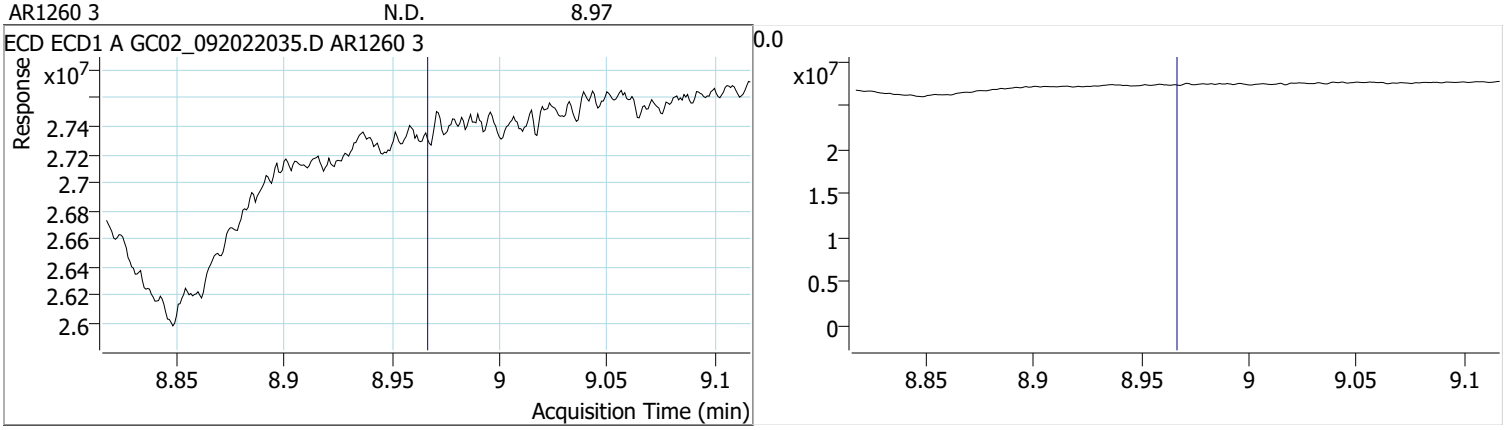
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	67.5153	7.84	-0.02	34753713				



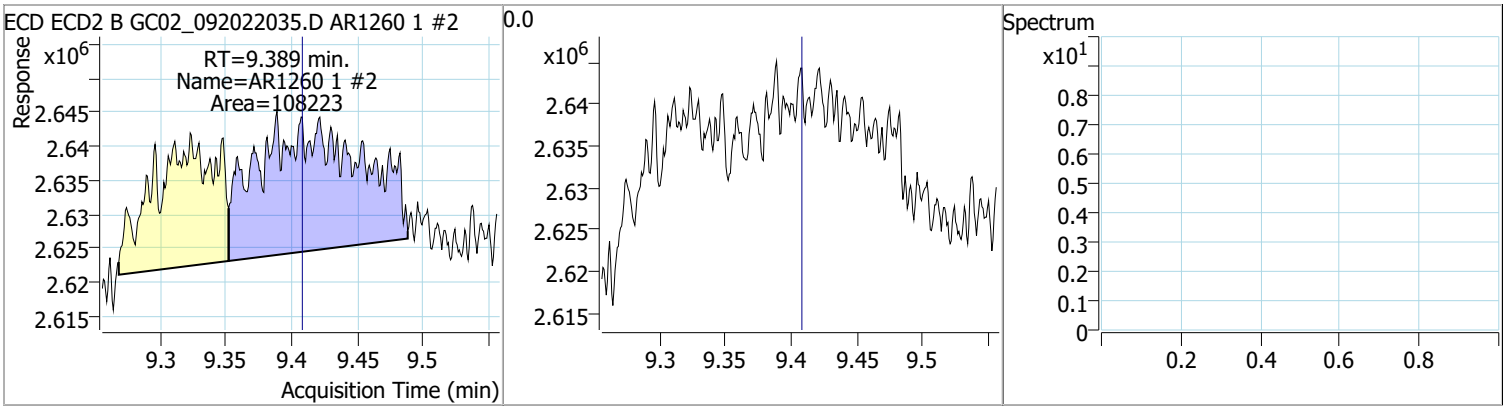
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.6166	8.37	0.00	2058858				



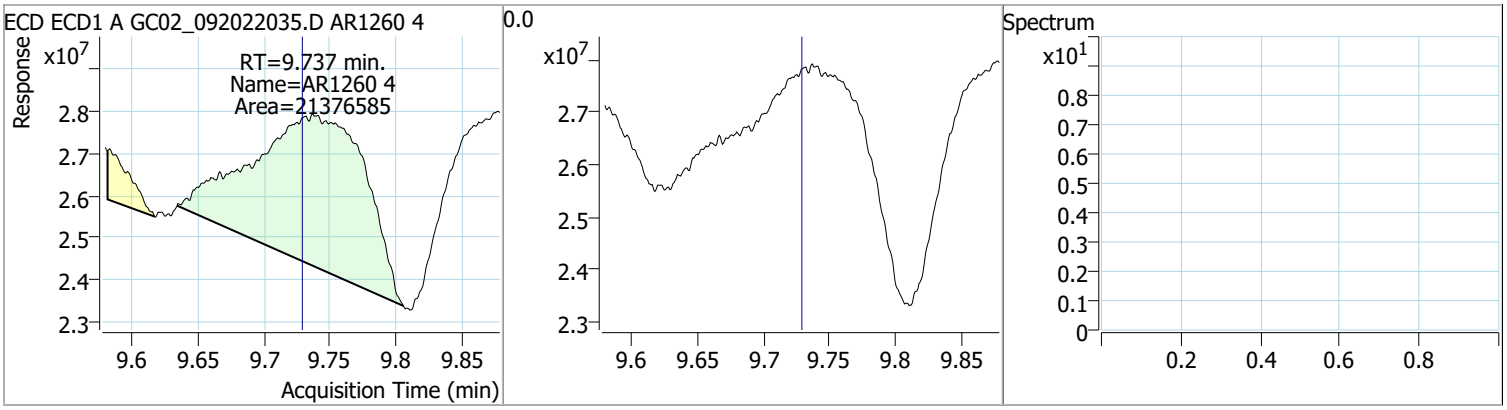
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	8.97		



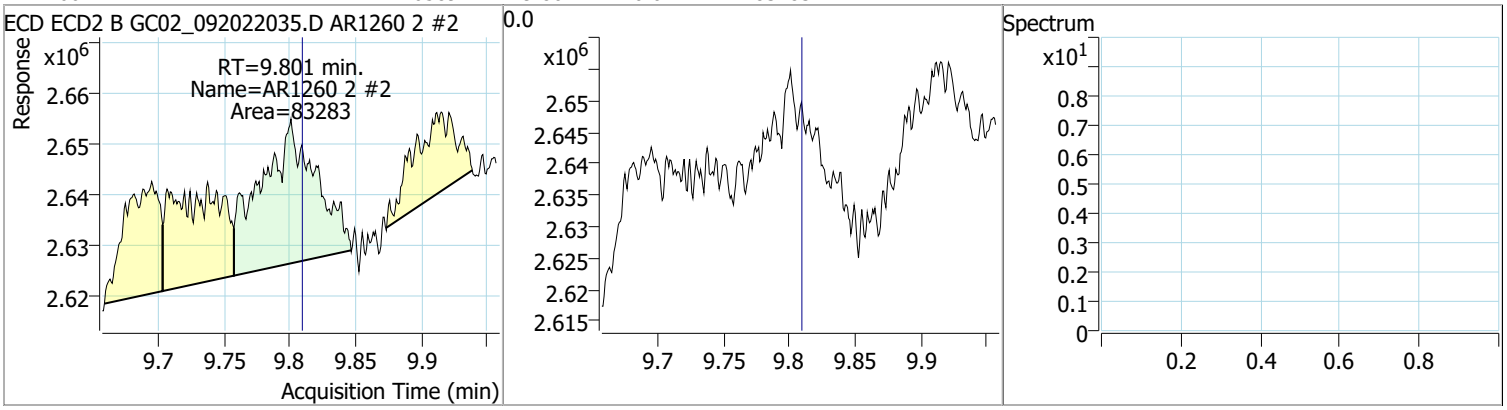
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	3.8929	9.39	-0.02	108223				



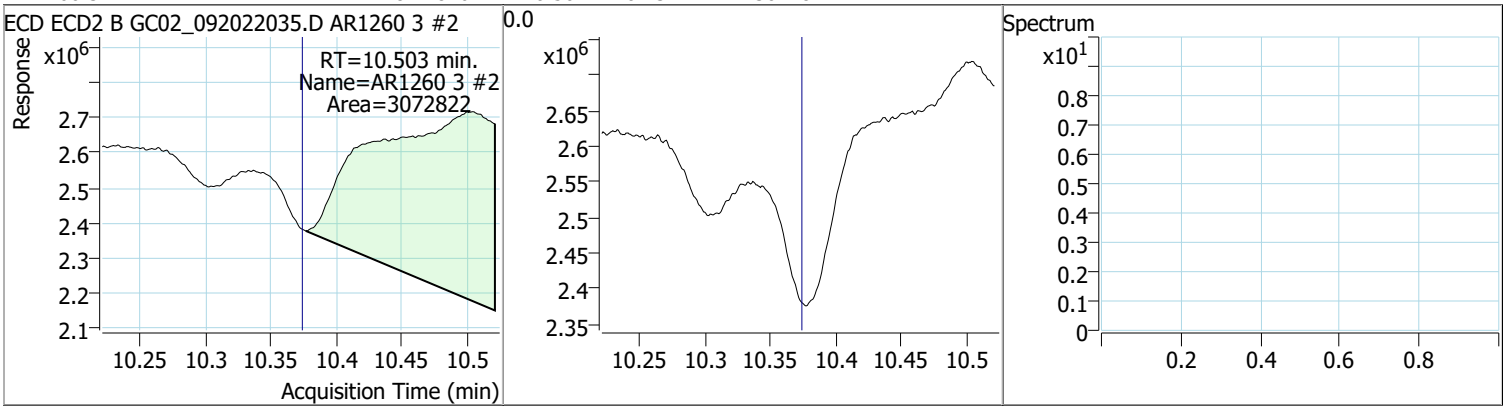
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	40.3719	9.74	0.01	21376585				



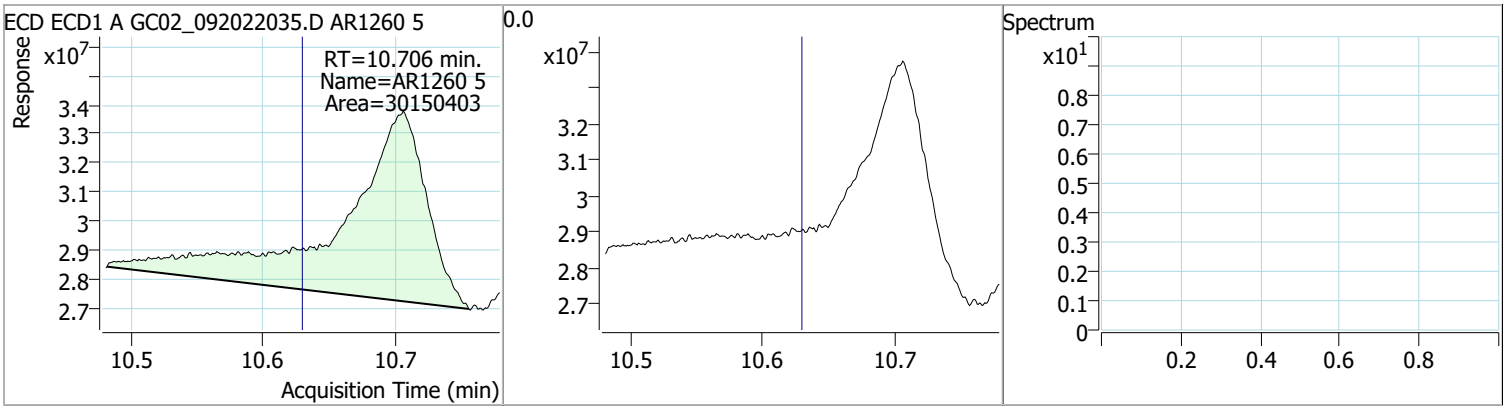
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.6589	9.80	-0.01	83283				



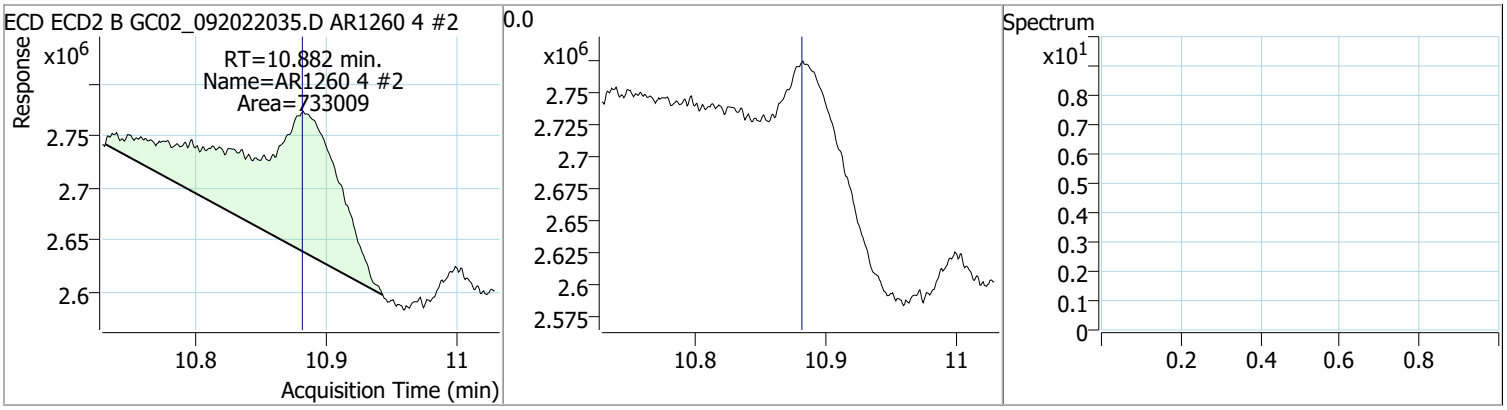
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	82.4816	10.50	0.13	3072822				



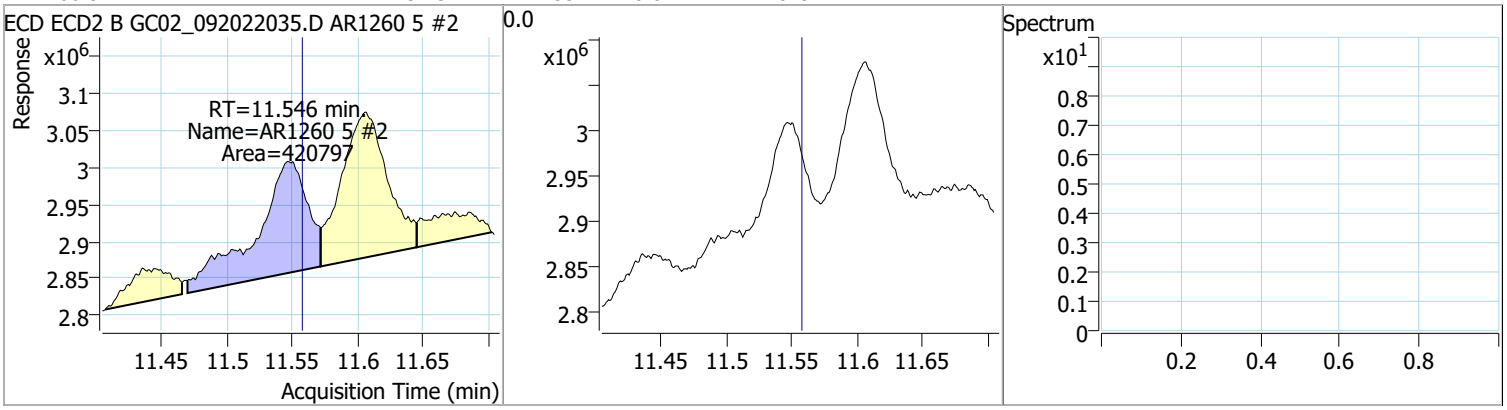
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	43.5455	10.71	0.08	30150403				



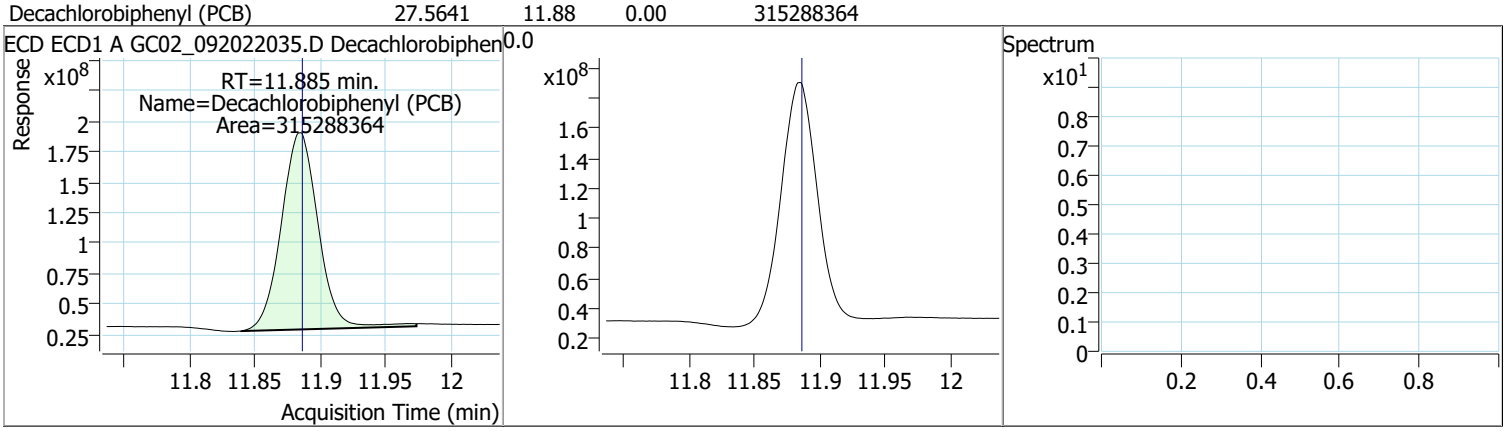
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	34.1597	10.88	0.00	733009				



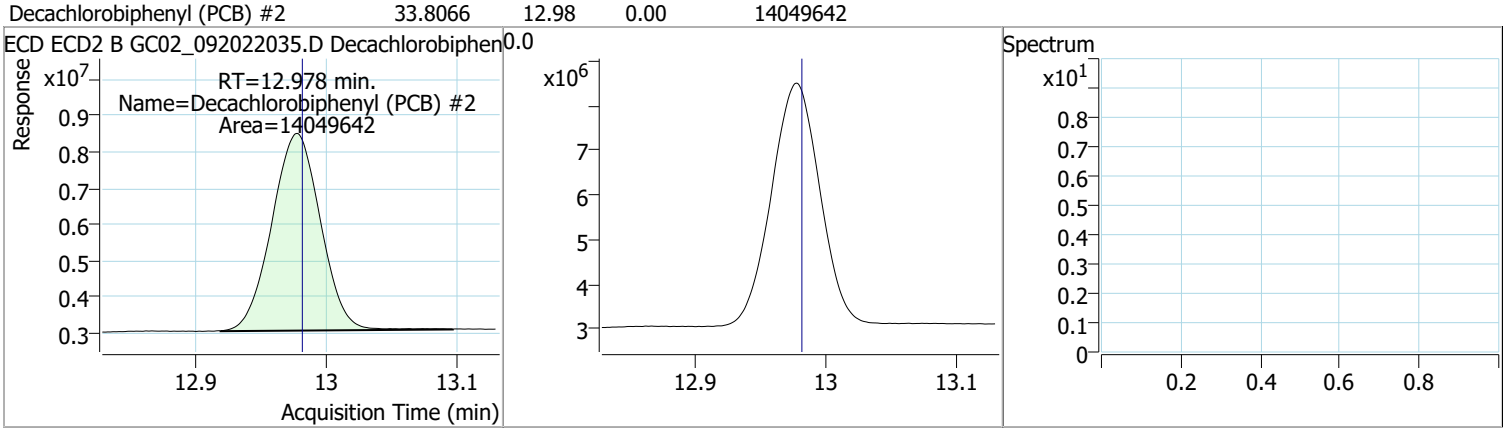
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	13.2521	11.55	-0.01	420797				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	27.5641	11.88	0.00	315288364				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.8066	12.98	0.00	14049642				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	469273-015	Client ID:	AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-P-LA
Seqnum:	212383934058	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_092322-058	Batch:	297417	Time:	24-SEP-2022 03:22
Cal:	212383934001	Caldate:	23-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	49.25	ND	6.7	149%	1.0		u
Aroclor-1016 Peak # 1	B	8.491	0.17	1.05	144%			
Aroclor-1016 Peak # 2	B	13.53	0.27	0.93	110%			
Aroclor-1016 Peak # 3	B	220.4	4.41	15.12	110%			
Aroclor-1016 Peak # 4	B	2.930	0.06	16.29	199%			
Aroclor-1016 Peak # 5	B	0.8376	0.02	0.13	154%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	9.374	ND	0.63	109%	1.0		u
Aroclor-1260 Peak # 1	B	5.246	0.10	2.31	183%			
Aroclor-1260 Peak # 2	B	3.063	0.06	0.02	121%			
Aroclor-1260 Peak # 3	B	23.51	0.47	0.09	136%			
Aroclor-1260 Peak # 4	B	4.456	0.09	0.62	150%			
Aroclor-1260 Peak # 5	B	10.60	0.21	0.13	47%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.66	1.000	0.7132	71	52-186	c+ u
Decachlorobiphenyl (PCB)	B	28.94	1.000	0.5789	58	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_092322-038)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6643719	4928662	-25.81
1-bromo-2-nitrobenzene (PCB)	A	215524364	118416628	-45.06

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

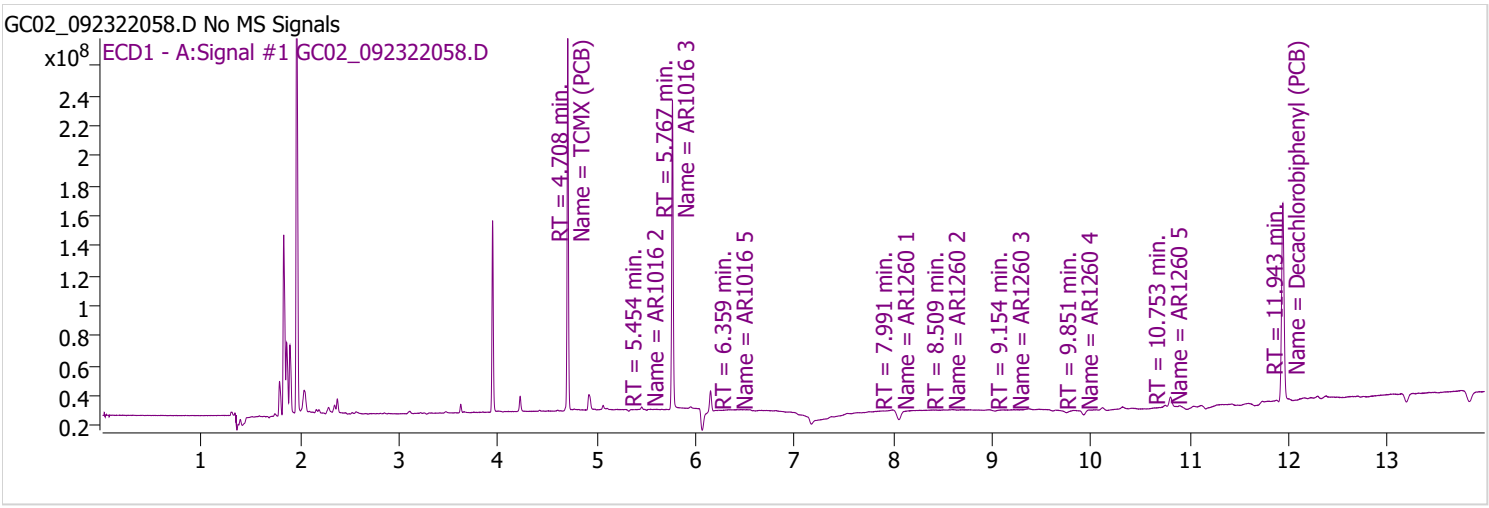
ISTD (CCV gc02_092322-038)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

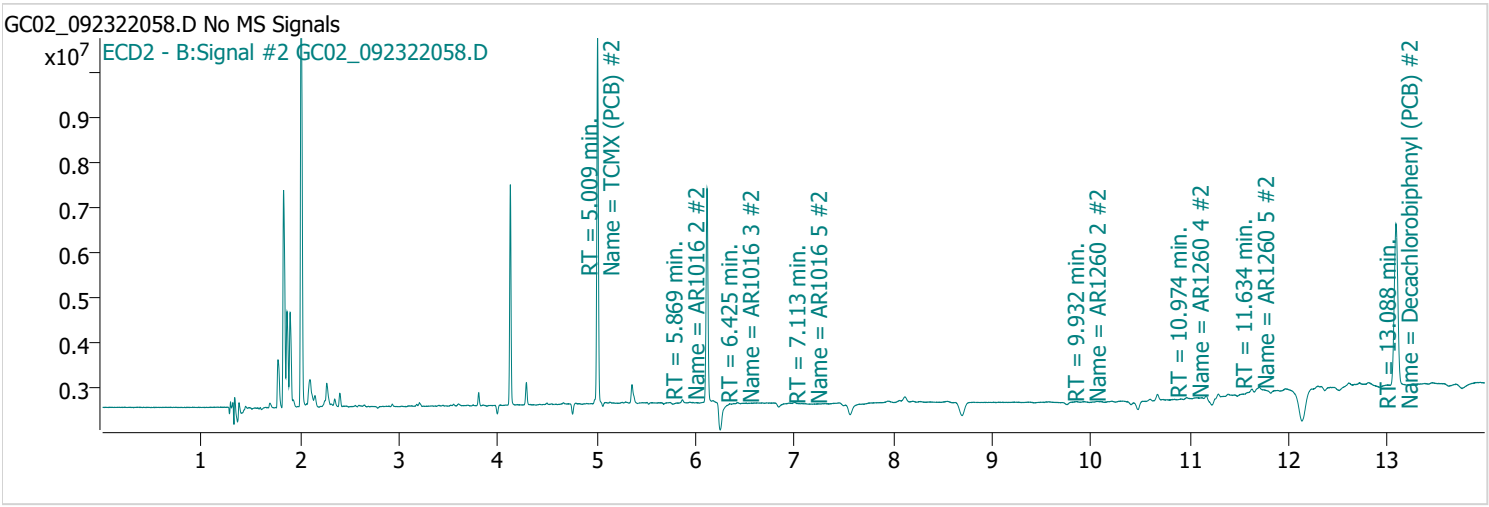
Analyst: TRN 09/26/22

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092322058.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/24/2022 3:22:39 AM
Sample Name	469273-015, 297417, 1	Instrument	SVOA-GC02
Vial	44	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	WIPE/1DM2-20ML//rr
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB2.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



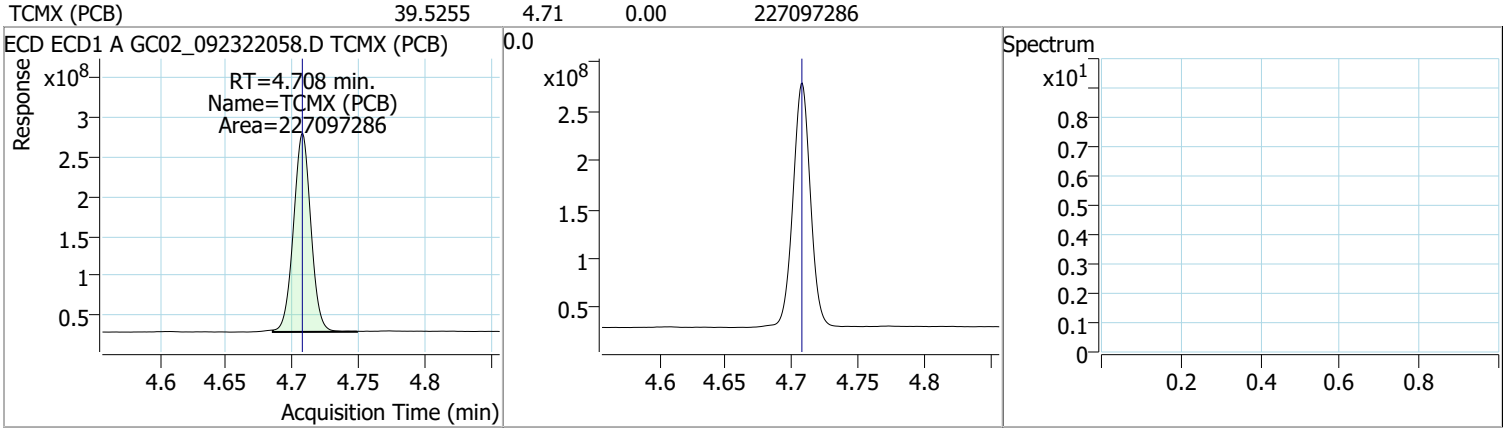


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.947	0.0	118416627.573	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.127	0.0	4928661.796	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.708	0.0	227097285.927	39.5255	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.63%		*	
S TCMX (PCB) #2	5.009	0.0	9125556.577	35.6610	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 178.31%		*	
S Decachlorobiphenyl (PCB)	11.943	0.0	225701616.961	32.8656	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 164.33%		*	
S Decachlorobiphenyl (PCB) #2	13.088	0.0	9214871.514	28.9432	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 144.72%			
Target Compounds							QValue

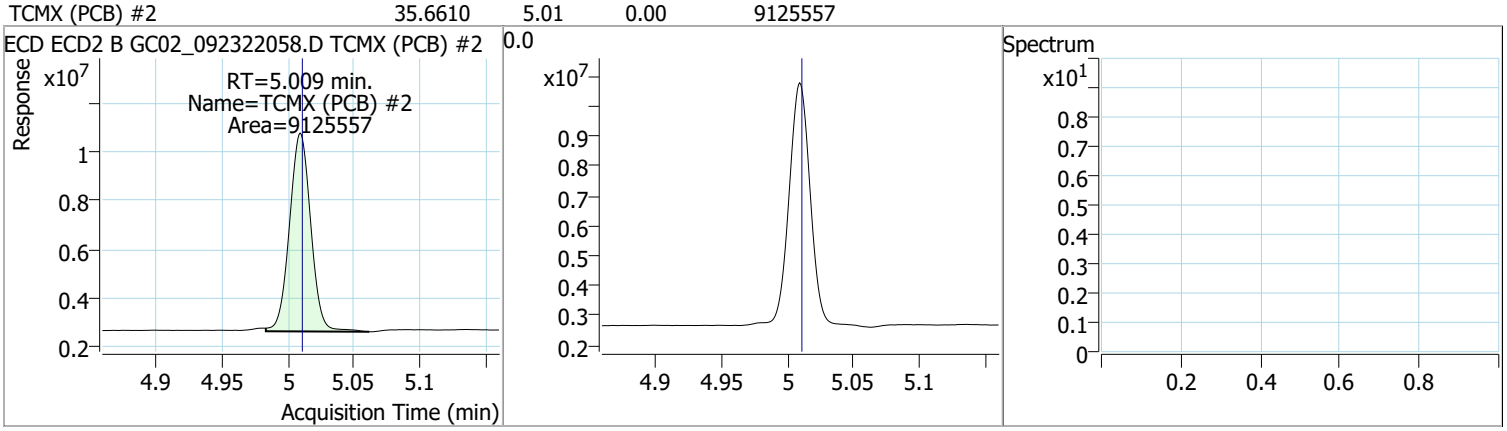
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.066	0.0	4535163.344	52.5445	ng/ml	100
T AR1016 2	5.454	0.0	8628137.759	46.3685	ng/ml	100
T AR1016 1 #2	5.461	0.0	50033.121	8.4914	ng/ml	100
T AR1016 3	5.767	0.0	217161628.927	756.2387	ng/ml	100
T AR1016 2 #2	5.869	0.0	167599.408	13.5329	ng/ml	100
T AR1016 4	5.767	0.0	154560989.257	814.6340	ng/ml	100
T AR1016 5	6.359	0.0	993250.661	6.5053	ng/ml	100
T AR1016 3 #2	6.425	0.0	3327868.533	220.4361	ng/ml	100
T AR1016 4 #2	6.493	0.0	31797.444	2.9302	ng/ml	100
T AR1016 5 #2	7.113	0.0	7786.247	0.8376	ng/ml	100
T AR1260 1	7.991	0.0	34697178.484	115.6165	ng/ml	100
T AR1260 2	8.509	0.0	368904.718	0.7585	ng/ml	100
T AR1260 3	9.154	0.0	2445500.439	4.5099	ng/ml	100
T AR1260 1 #2	9.572	0.0	97058.615	5.2465	ng/ml	100
T AR1260 4	9.851	0.0	9453432.875	31.1749	ng/ml	100
T AR1260 2 #2	9.932	0.0	66071.531	3.0626	ng/ml	100
T AR1260 3 #2	10.601	0.0	620435.172	23.5100	ng/ml	100
T AR1260 5	10.753	0.0	2722723.398	6.5451	ng/ml	100
T AR1260 4 #2	10.974	0.0	71772.340	4.4557	ng/ml	100
T AR1260 5 #2	11.634	0.0	256132.111	10.5964	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

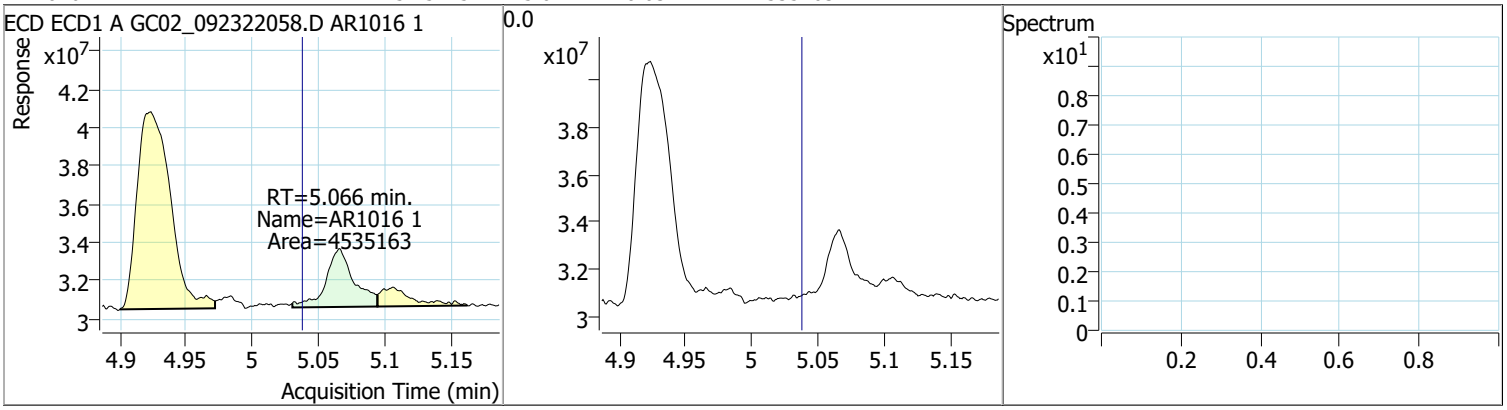
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.5255	4.71	0.00	227097286				



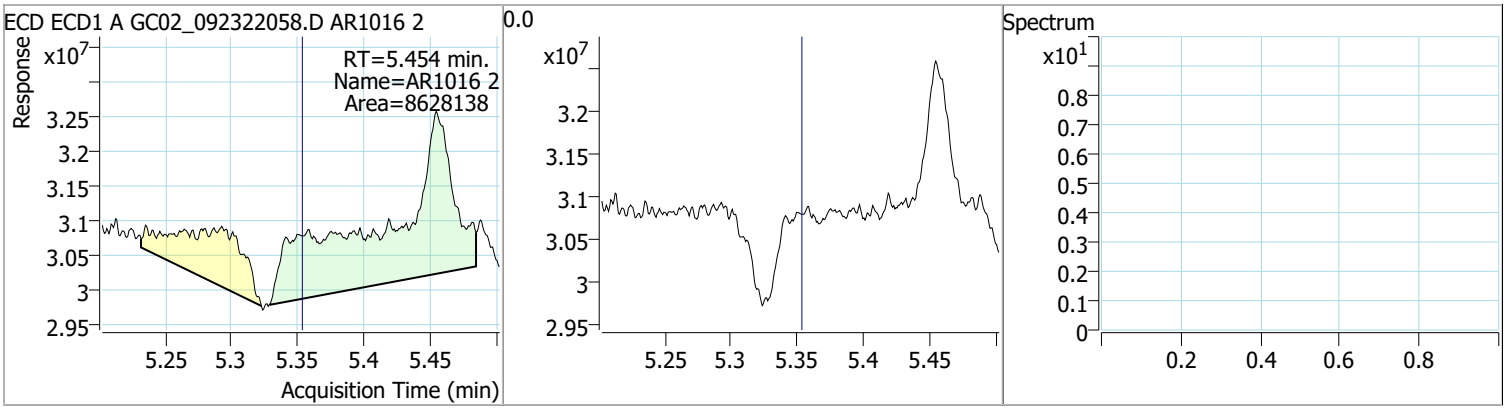
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.6610	5.01	0.00	9125557				



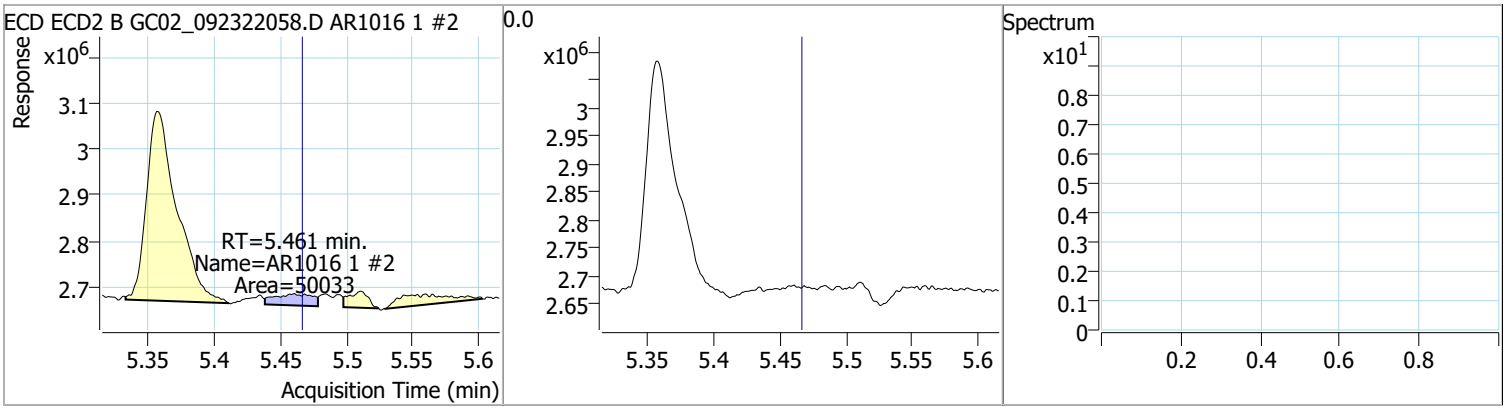
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.5445	5.07	0.03	4535163				



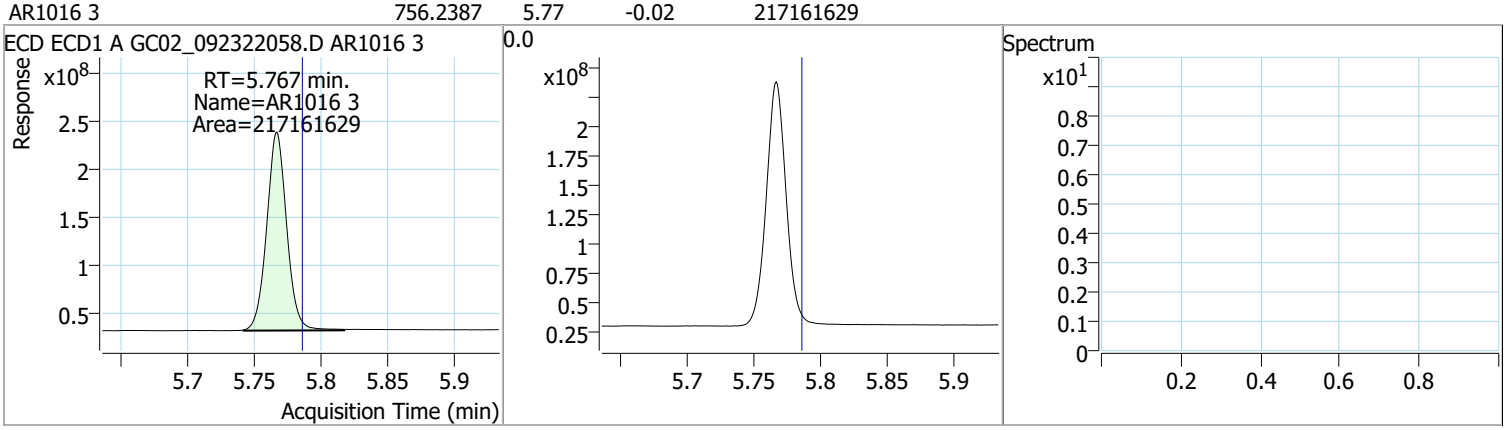
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	46.3685	5.45	0.10	8628138				



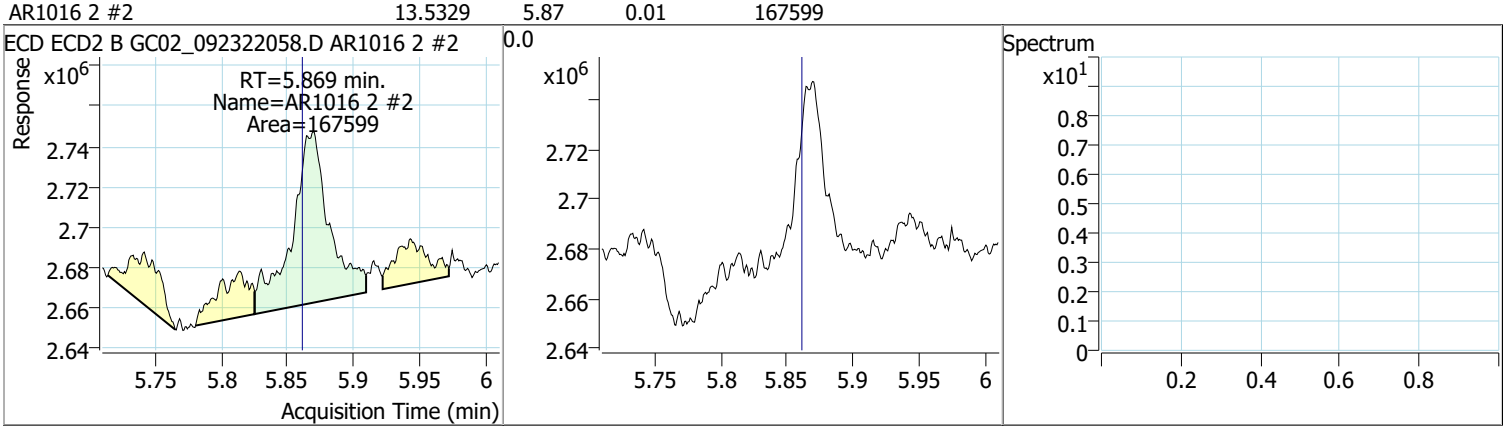
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	8.4914	5.46	0.00	50033				



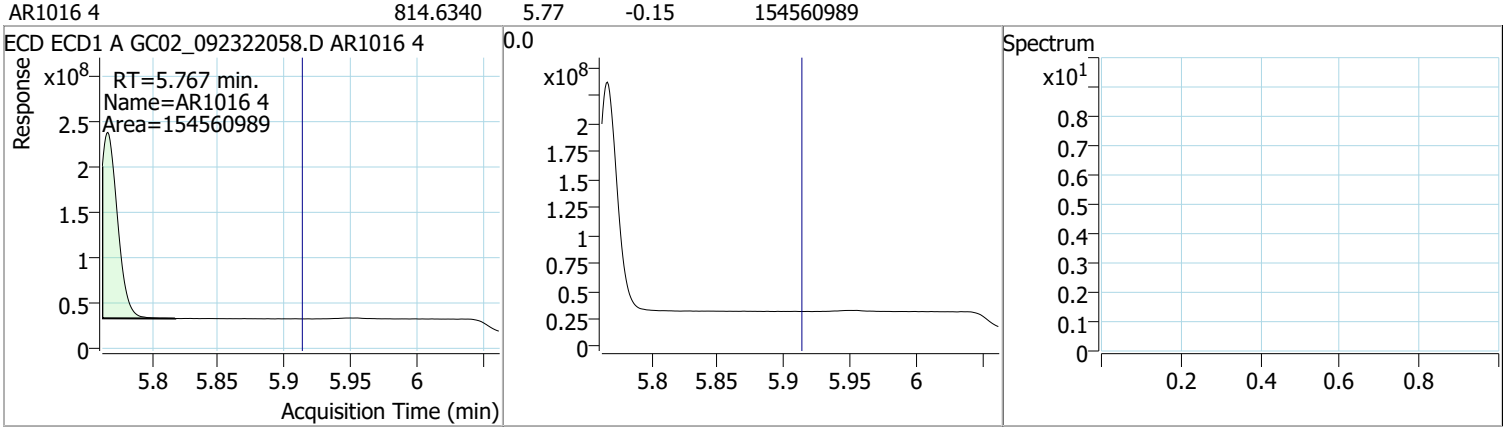
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	756.2387	5.77	-0.02	217161629				



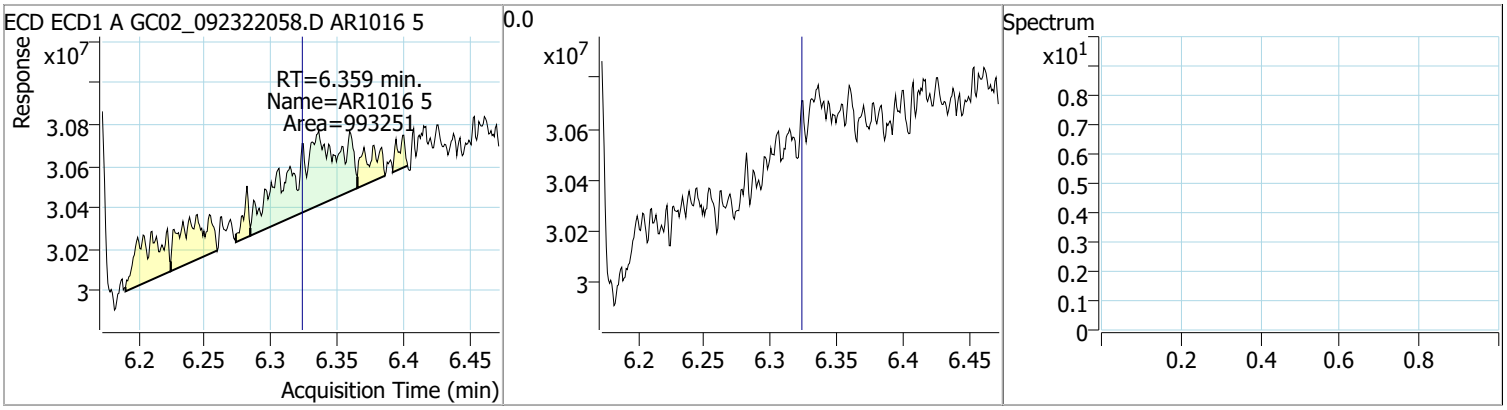
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.5329	5.87	0.01	167599				



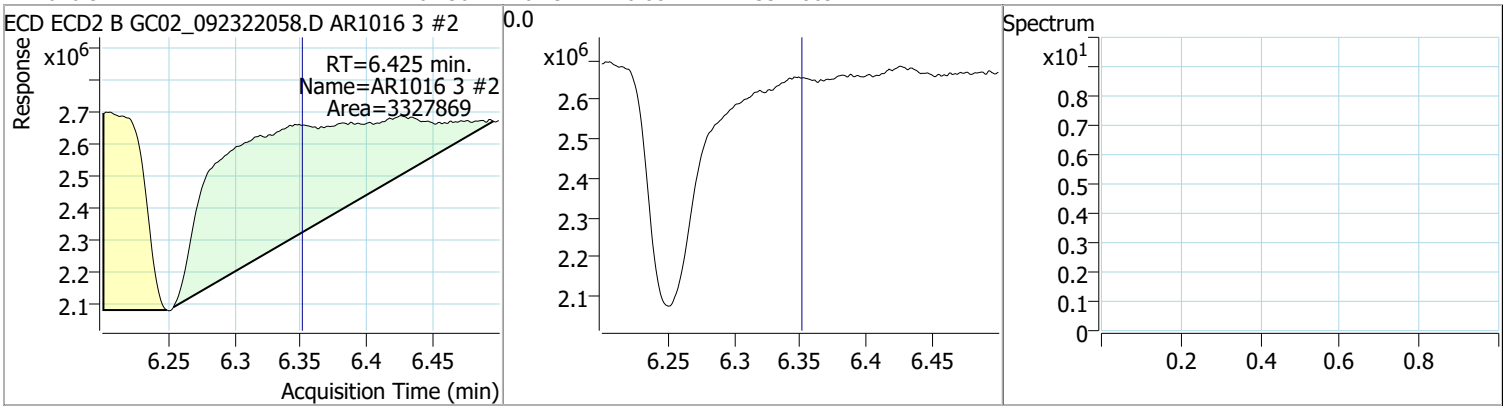
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	814.6340	5.77	-0.15	154560989				



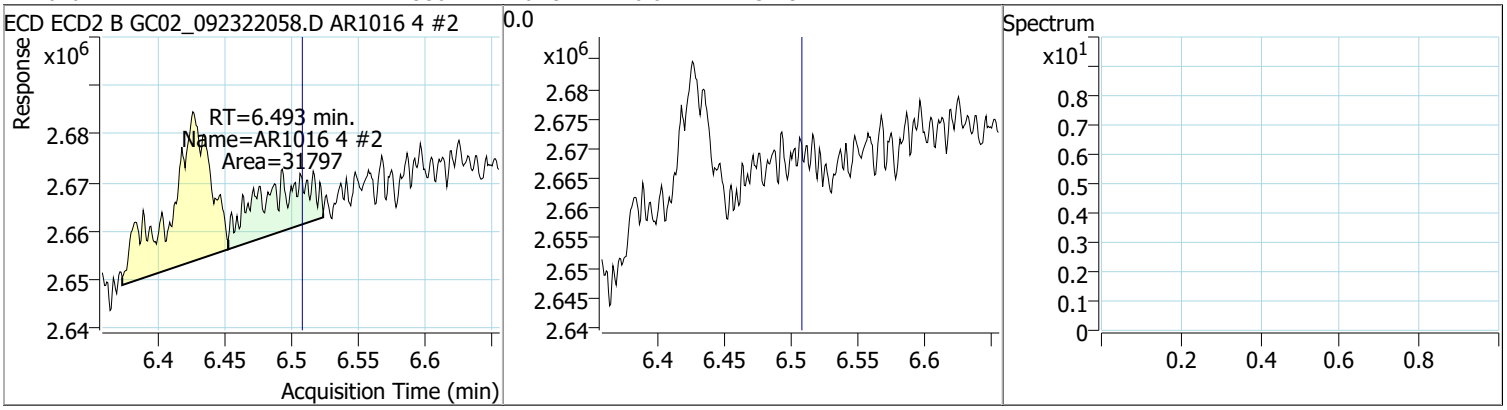
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	6.5053	6.36	0.04	993251				



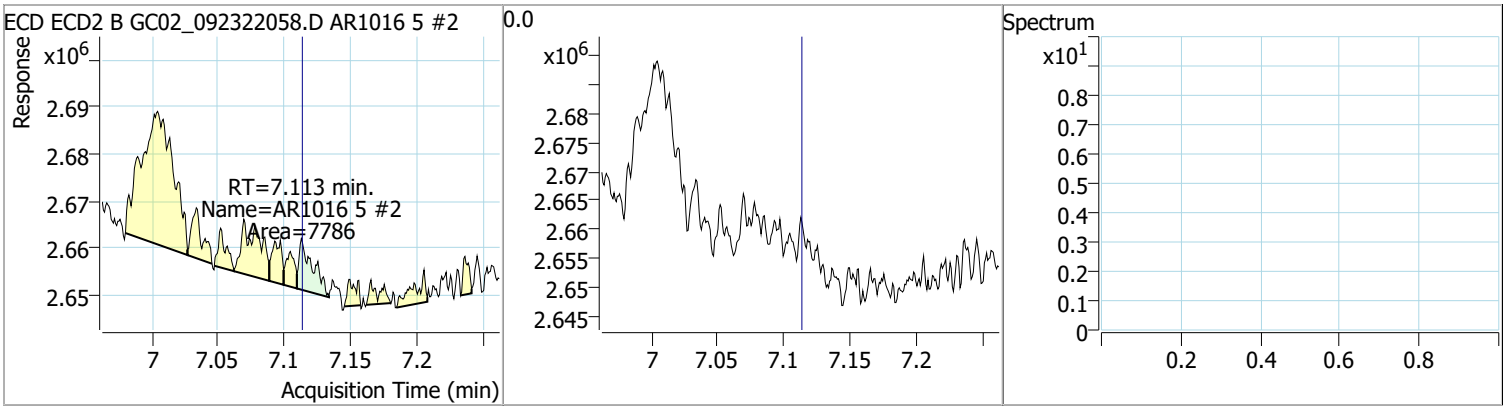
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	220.4361	6.43	0.08	3327869				



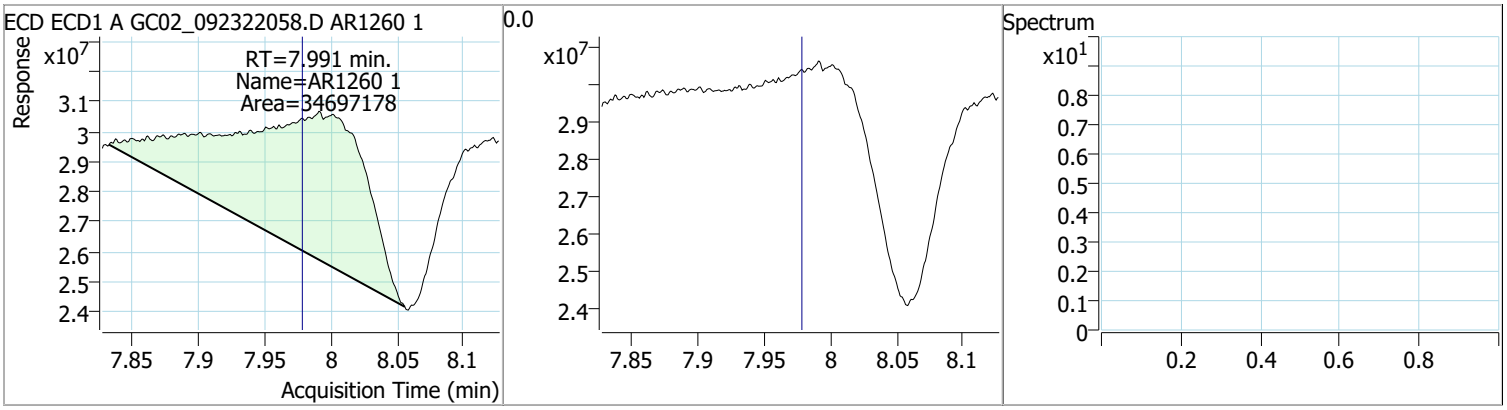
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.9302	6.49	-0.01	31797				



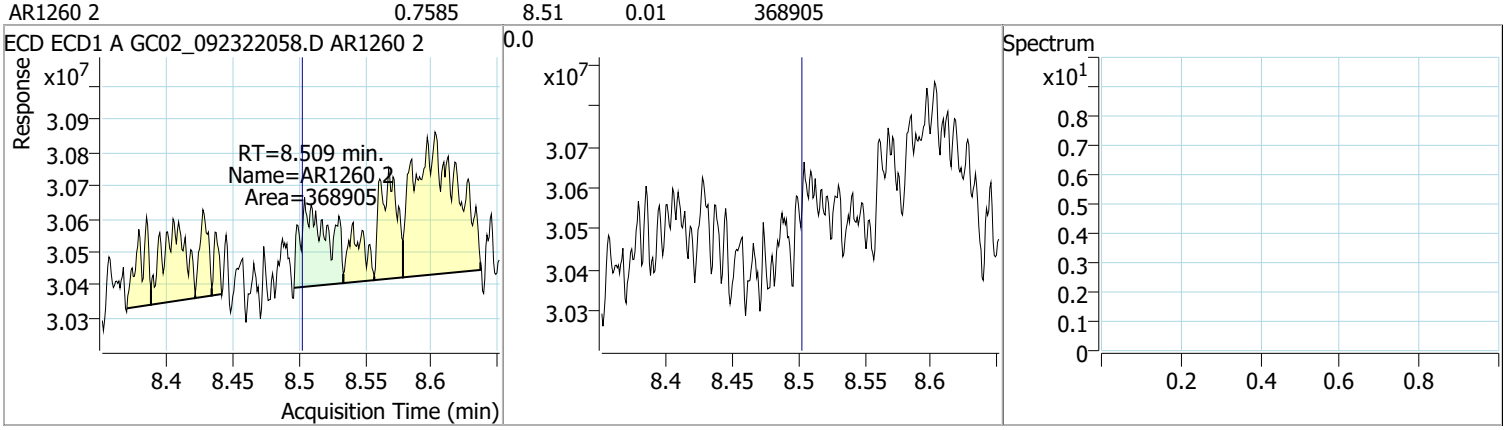
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.8376	7.11	0.00	7786				



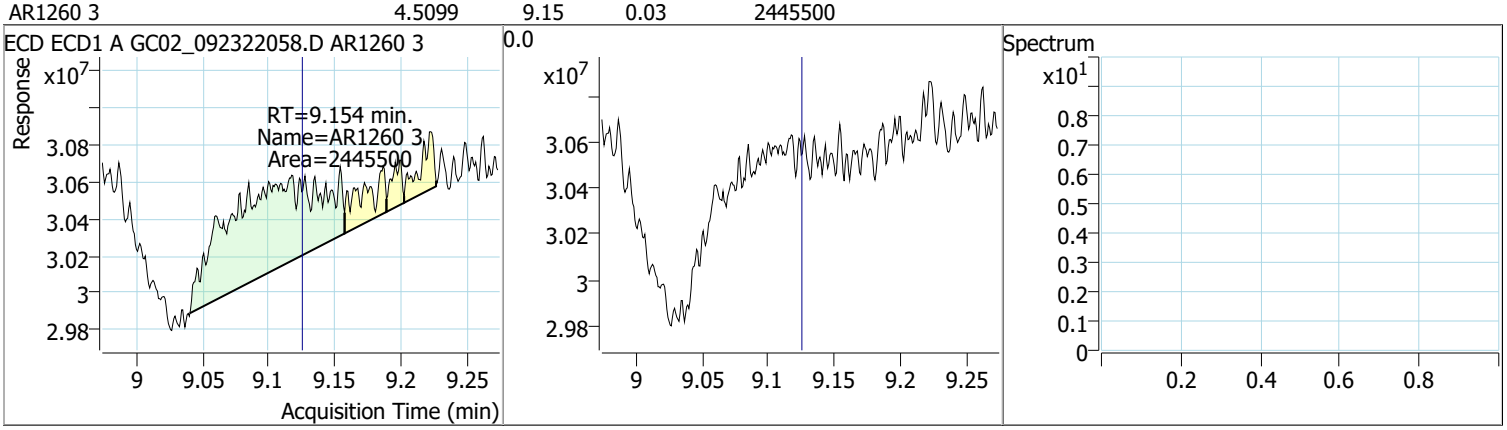
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	115.6165	7.99	0.01	34697178				



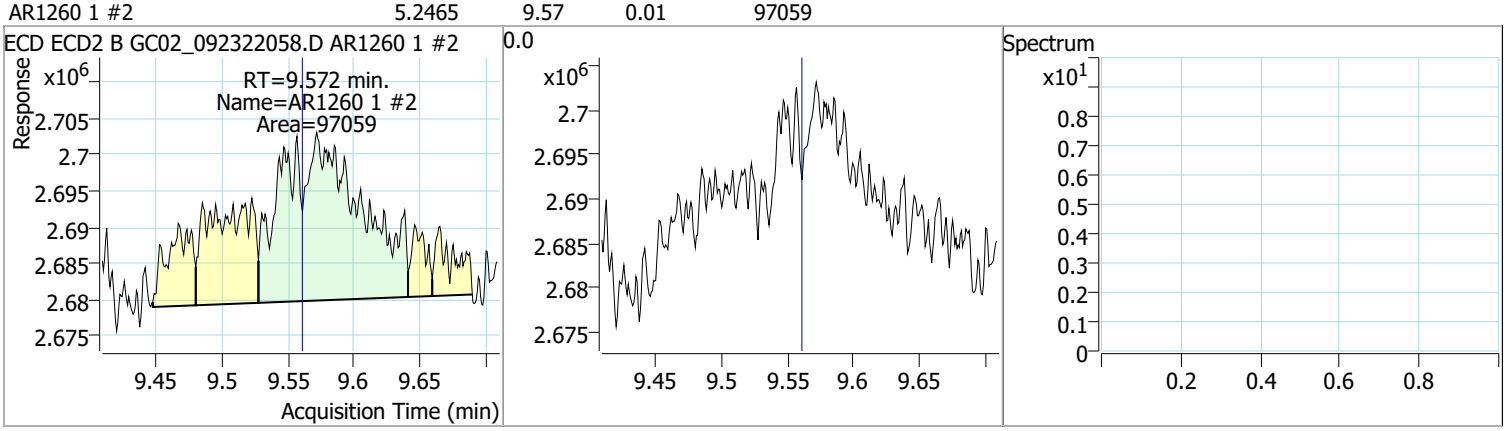
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.7585	8.51	0.01	368905				



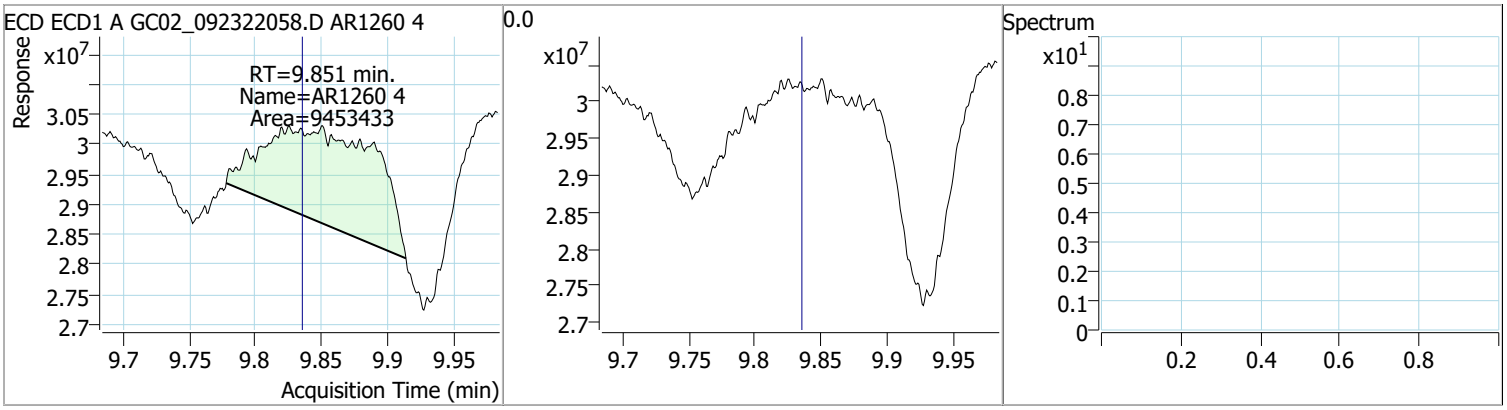
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.5099	9.15	0.03	2445500				



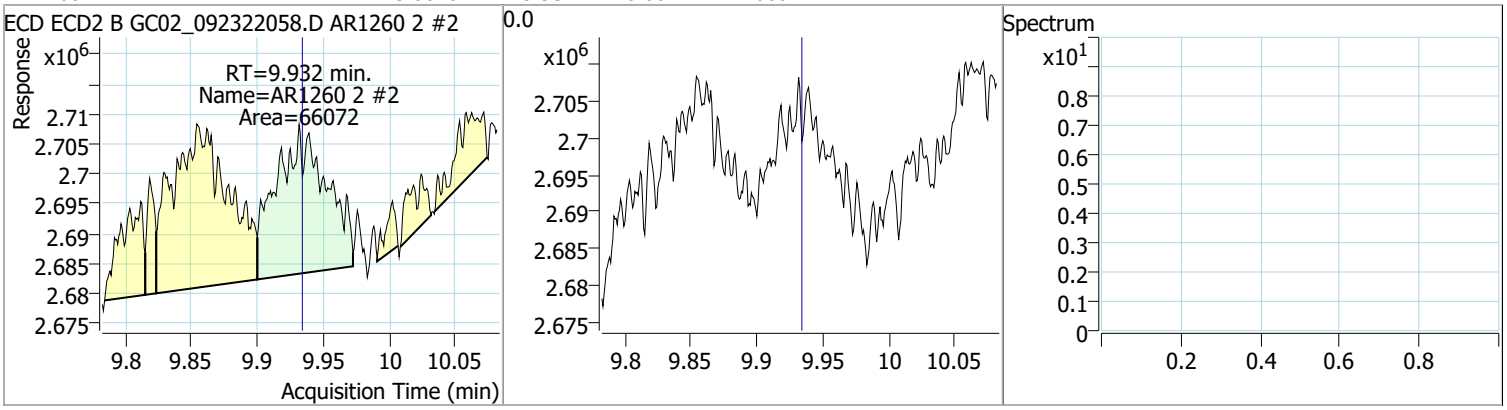
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.2465	9.57	0.01	97059				



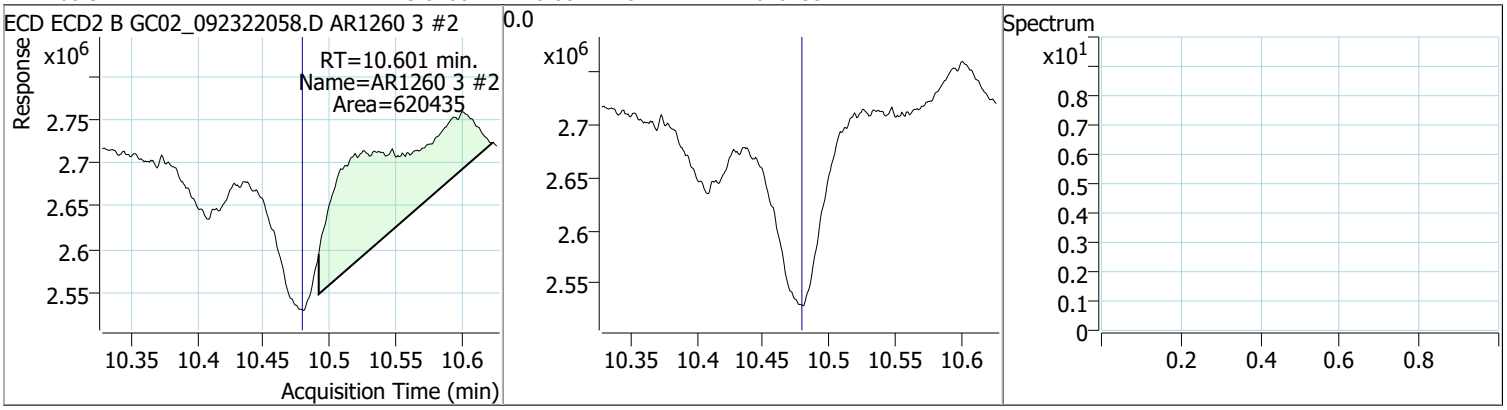
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	31.1749	9.85	0.02	9453433				



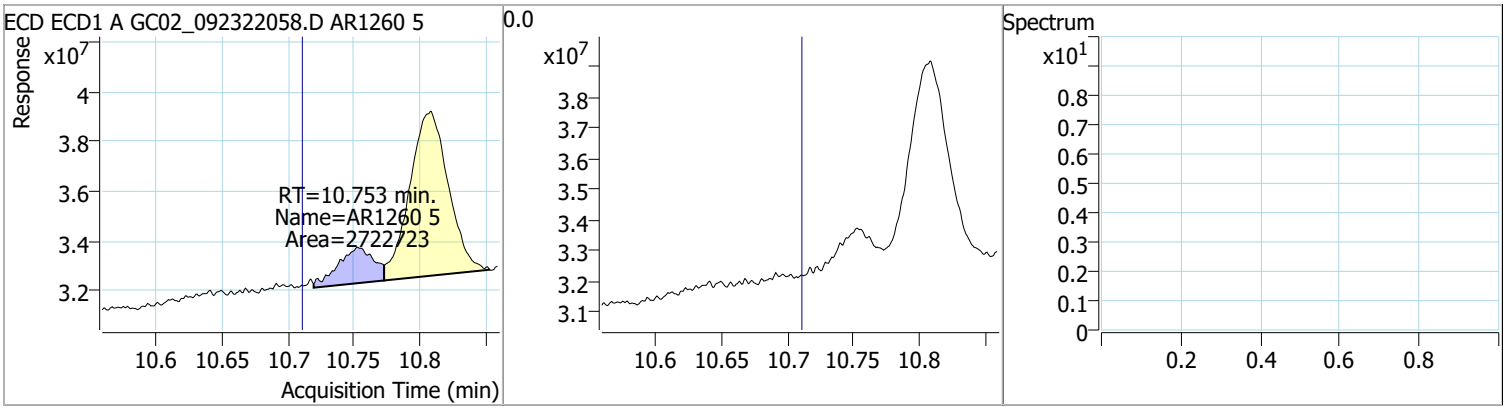
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.0626	9.93	0.00	66072				



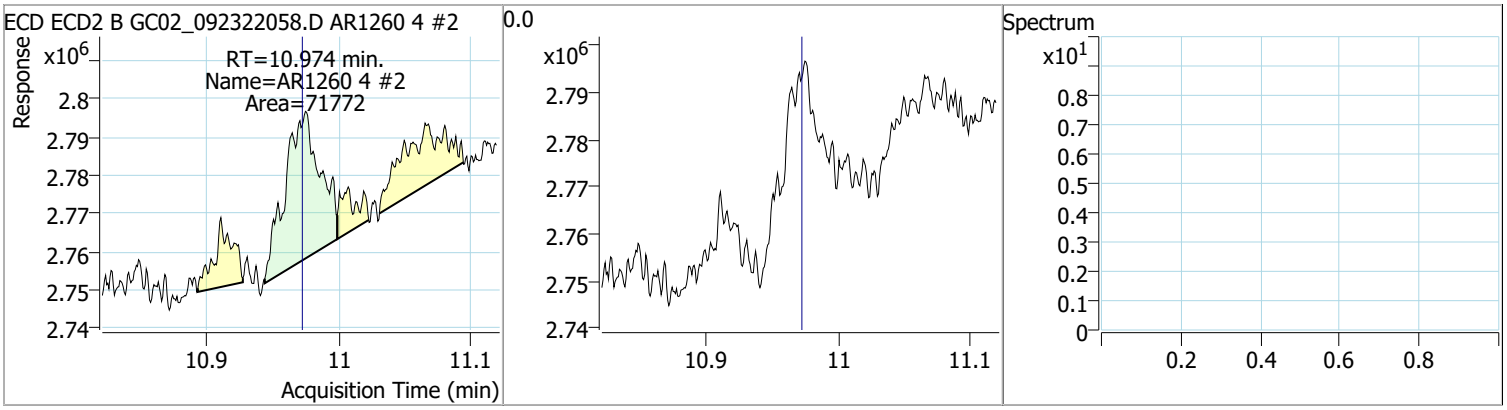
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	23.5100	10.60	0.12	620435				



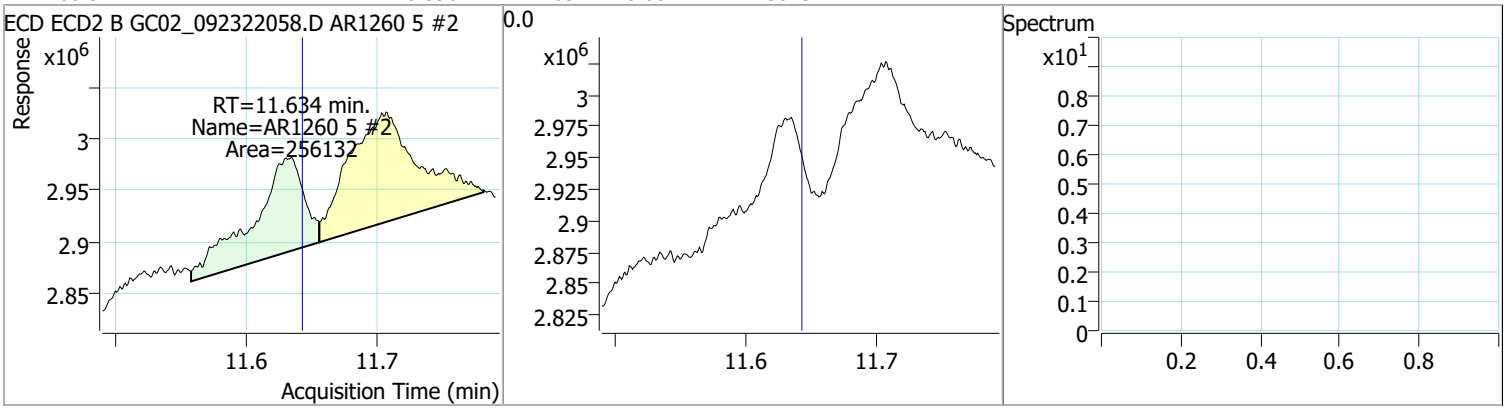
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	6.5451	10.75	0.04	2722723				



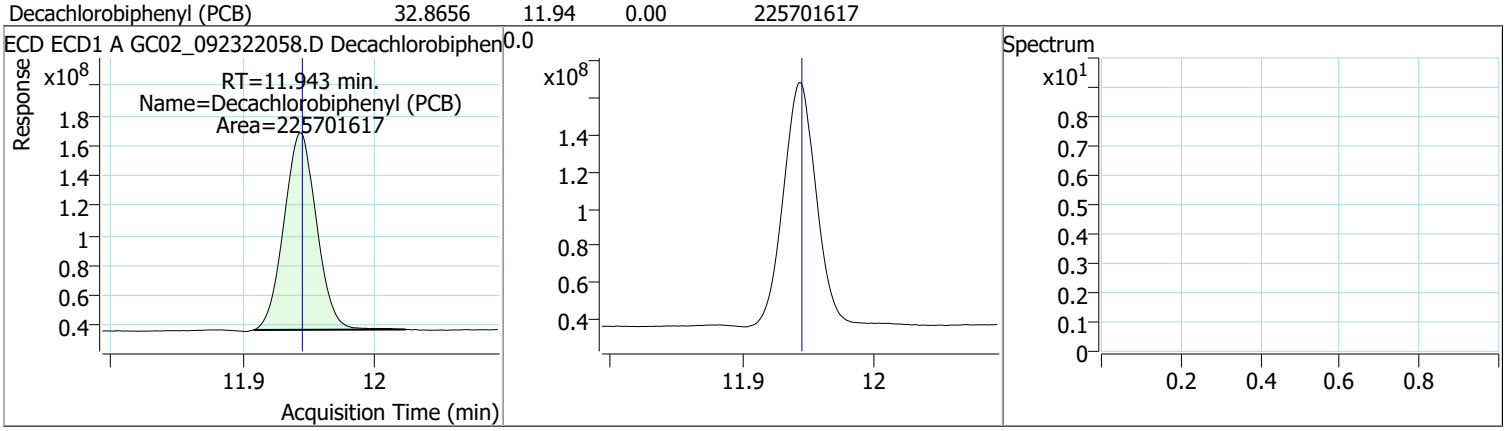
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.4557	10.97	0.01	71772				



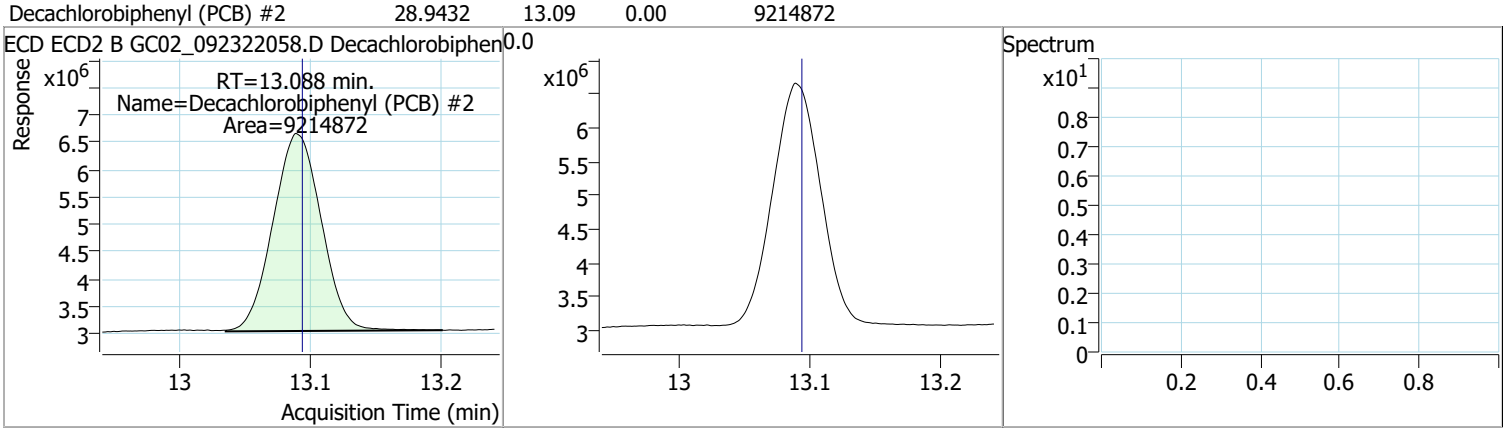
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	10.5964	11.63	0.00	256132				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.8656	11.94	0.00	225701617				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.9432	13.09	0.00	9214872				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	469273-016	Client ID:	AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-P-DUP-LA
Seqnum:	212383934059	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_092322-059	Batch:	297417	Time:	24-SEP-2022 03:40
Cal:	212383934001	Caldate:	23-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	49.47	ND	5.2	136%	1.0		u
Aroclor-1016 Peak # 1	B	5.391	0.11	1.21	167%			
Aroclor-1016 Peak # 2	B	13.77	0.28	0.03	164%			
Aroclor-1016 Peak # 3	B	223.6	4.47	11.76	90%			
Aroclor-1016 Peak # 4	B	1.931	0.04	12.68	199%			
Aroclor-1016 Peak # 5	B	2.677	0.05	0.09	47%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	9.752	ND	0.71	114%	1.0		u
Aroclor-1260 Peak # 1	B	5.385	0.11	2.23	182%			
Aroclor-1260 Peak # 2	B	2.773	0.06	0.04	44%			
Aroclor-1260 Peak # 3	B	24.47	0.49	0.08	145%			
Aroclor-1260 Peak # 4	B	4.669	0.09	1.02	166%			
Aroclor-1260 Peak # 5	B	11.47	0.23	0.19	20%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.76	1.000	0.7153	72	52-186	c+ u
Decachlorobiphenyl (PCB)	B	28.49	1.000	0.5698	57	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_092322-038)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6643719	4593277	-30.86
1-bromo-2-nitrobenzene (PCB)	A	215524364	105275639	**-51.15 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

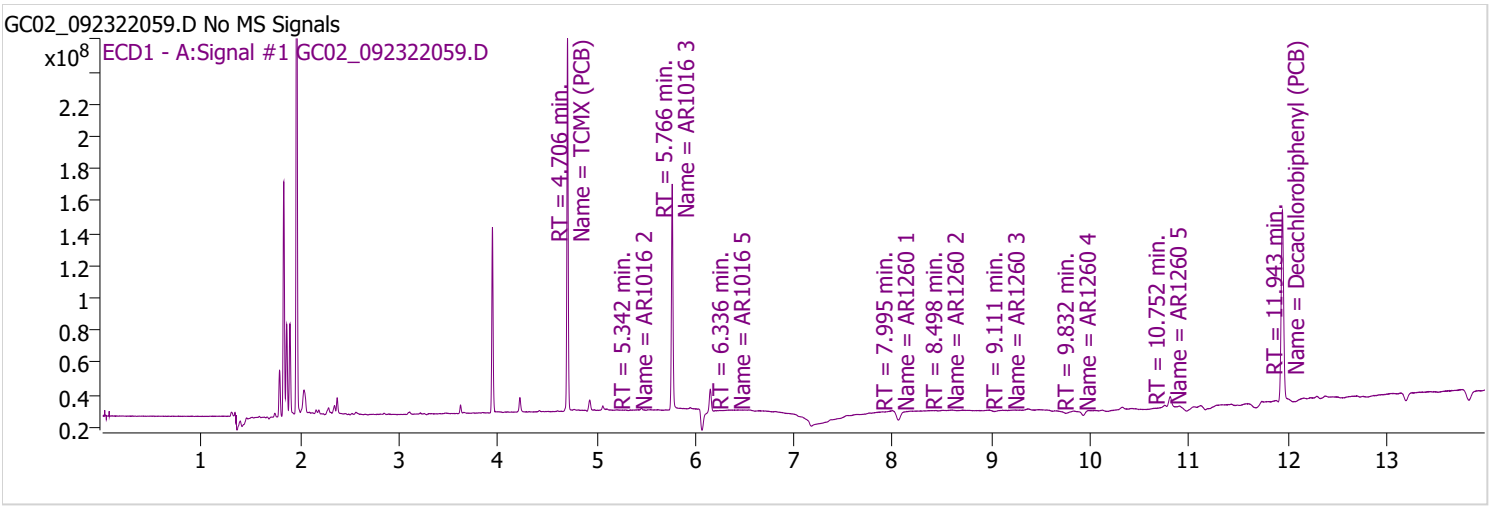
ISTD (CCV gc02_092322-038)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

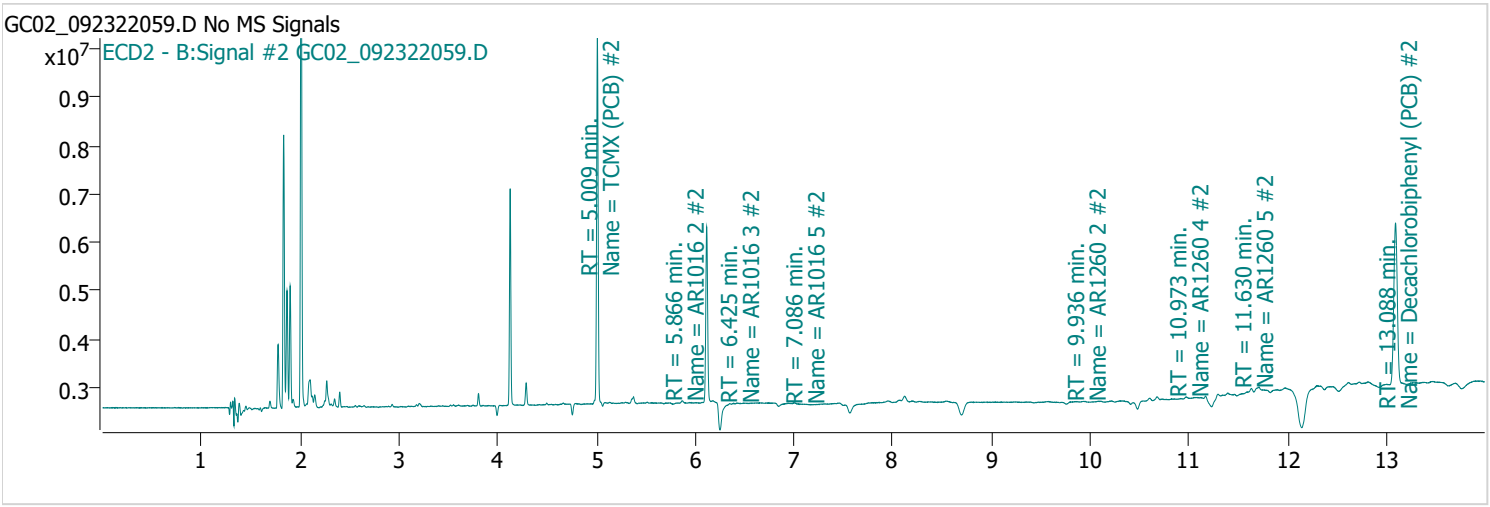
Analyst: TRN 09/26/22

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092322059.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/24/2022 3:40:24 AM
Sample Name	469273-016, 297417, 1	Instrument	SVOA-GC02
Vial	45	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	WIPE/1DM2-20ML//rr
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB2.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



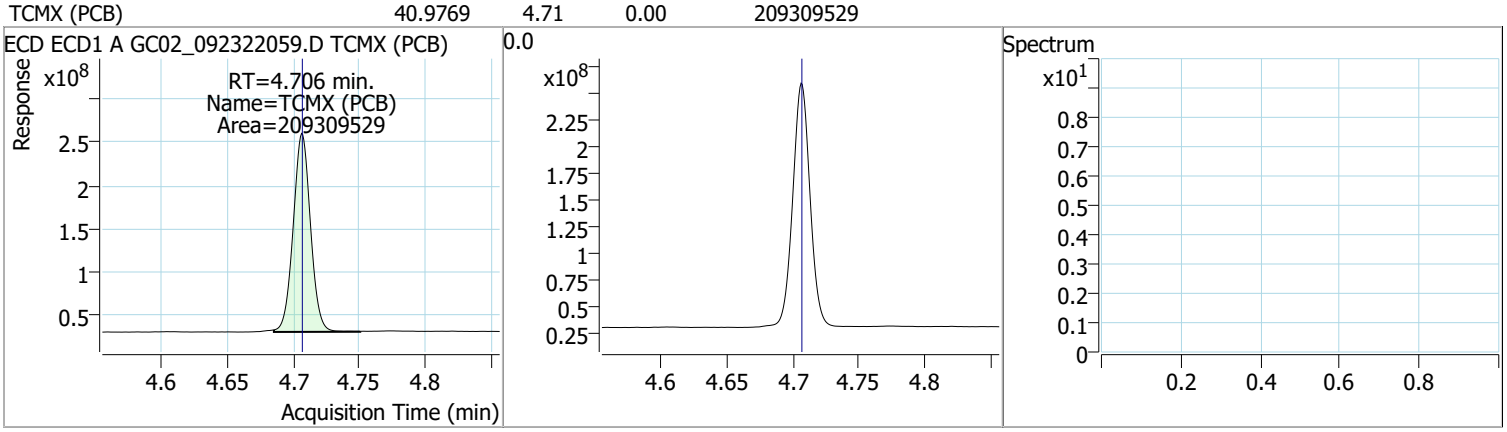


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.947	0.0	105275639.453	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	4593276.570	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	209309529.478	40.9769	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.88%		*	
S TCMX (PCB) #2	5.009	0.0	8529276.895	35.7646	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 178.82%		*	
S Decachlorobiphenyl (PCB)	11.943	0.0	202556212.977	33.1770	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.89%		*	
S Decachlorobiphenyl (PCB) #2	13.088	0.0	8453093.267	28.4891	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.45%			
Target Compounds							QValue

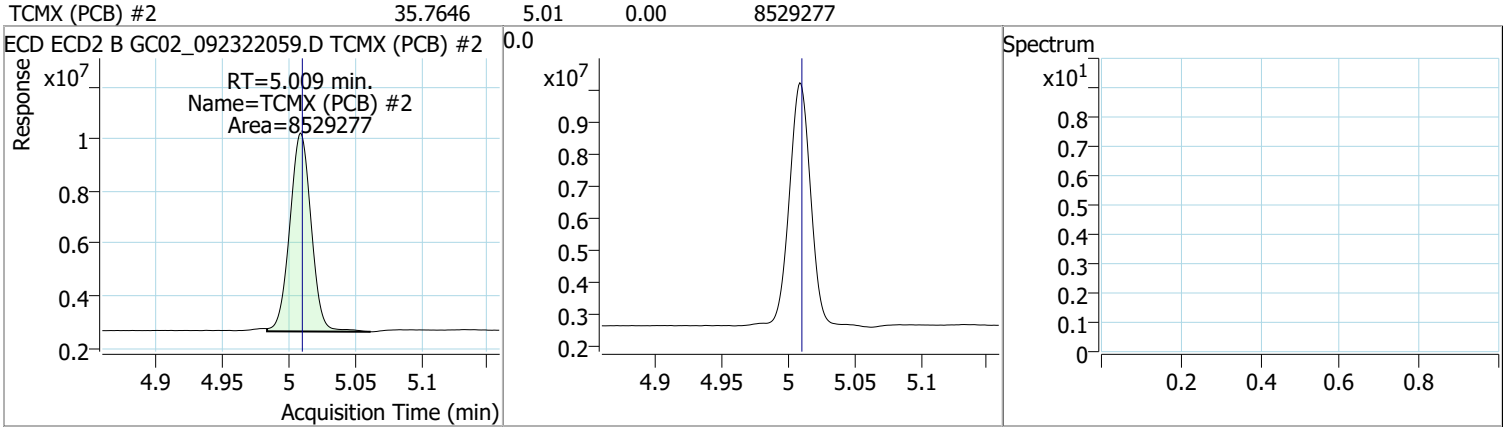
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.064	0.0	4652449.578	60.6319	ng/ml	100
T AR1016 2	5.342	0.0	226110.474	1.3668	ng/ml	100
T AR1016 1 #2	5.474	0.0	29603.623	5.3911	ng/ml	100
T AR1016 3	5.766	0.0	150138251.651	588.1011	ng/ml	100
T AR1016 2 #2	5.866	0.0	158919.608	13.7690	ng/ml	100
T AR1016 4	5.766	0.0	106915038.533	633.8496	ng/ml	100
T AR1016 5	6.336	0.0	587790.204	4.3303	ng/ml	100
T AR1016 3 #2	6.425	0.0	3145749.043	223.5873	ng/ml	100
T AR1016 4 #2	6.508	0.0	19525.605	1.9307	ng/ml	100
T AR1016 5 #2	7.086	0.0	23192.075	2.6772	ng/ml	100
T AR1260 1	7.995	0.0	29760361.229	111.5447	ng/ml	100
T AR1260 2	8.498	0.0	766402.779	1.7726	ng/ml	100
T AR1260 3	9.111	0.0	1880657.687	3.9011	ng/ml	100
T AR1260 1 #2	9.573	0.0	92846.272	5.3852	ng/ml	100
T AR1260 4	9.832	0.0	13758466.364	51.0352	ng/ml	100
T AR1260 2 #2	9.936	0.0	55751.708	2.7729	ng/ml	100
T AR1260 3 #2	10.603	0.0	601759.346	24.4672	ng/ml	100
T AR1260 5	10.752	0.0	3457419.254	9.3486	ng/ml	100
T AR1260 4 #2	10.973	0.0	70091.975	4.6691	ng/ml	100
T AR1260 5 #2	11.630	0.0	258320.966	11.4673	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

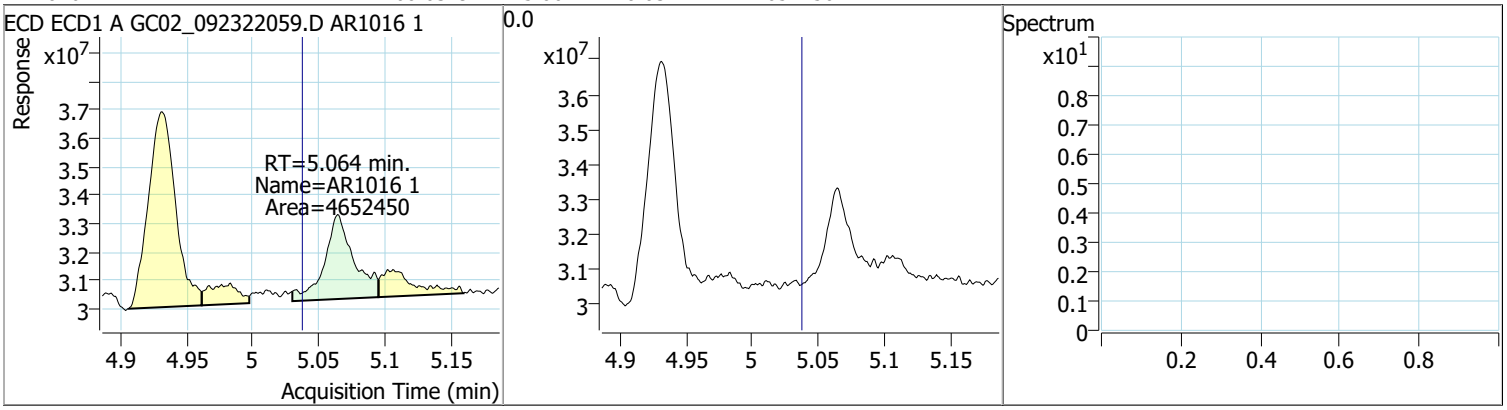
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.9769	4.71	0.00	209309529				



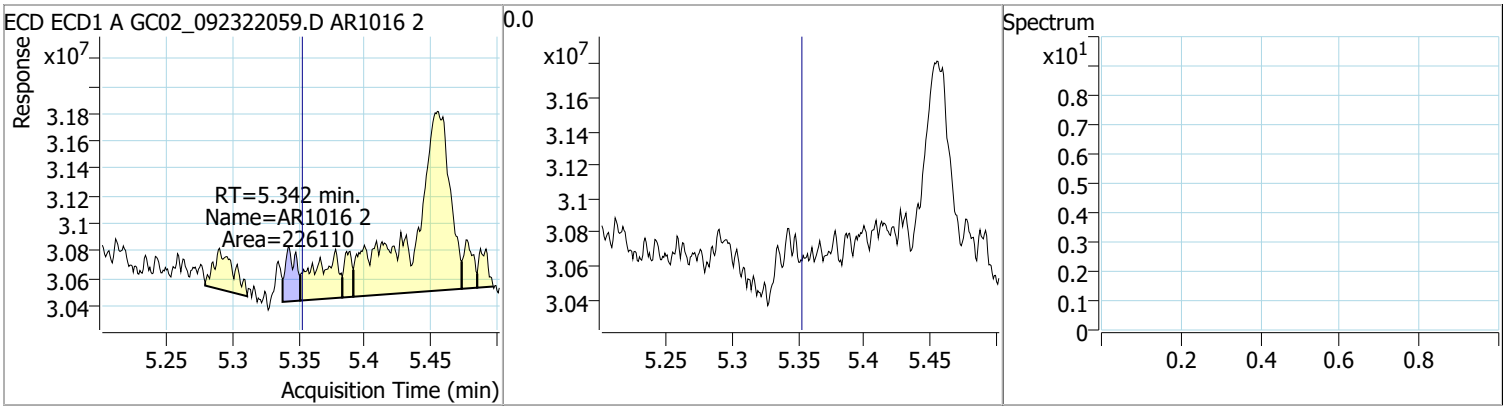
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.7646	5.01	0.00	8529277				



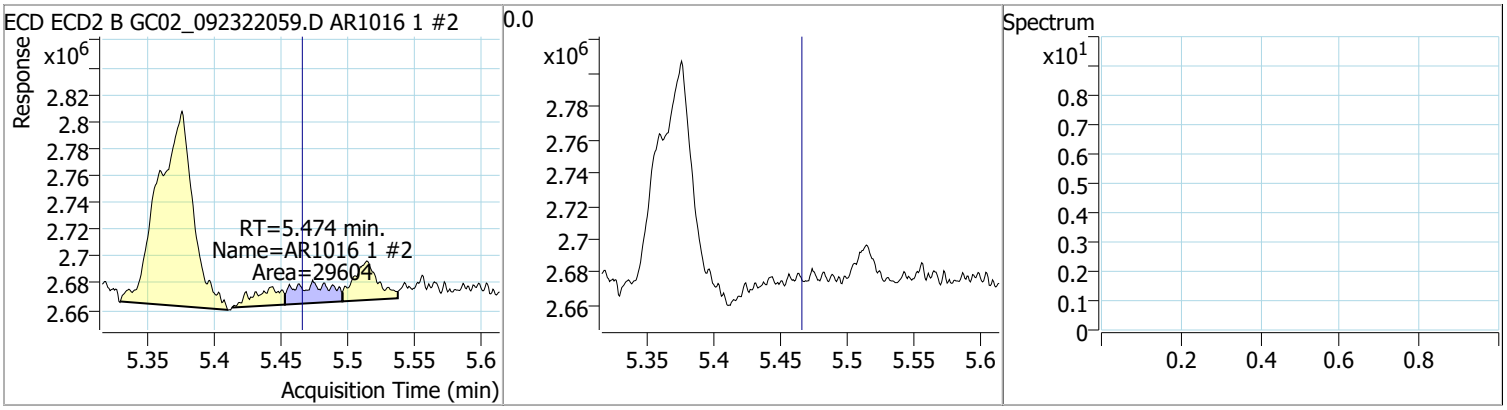
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	60.6319	5.06	0.03	4652450				



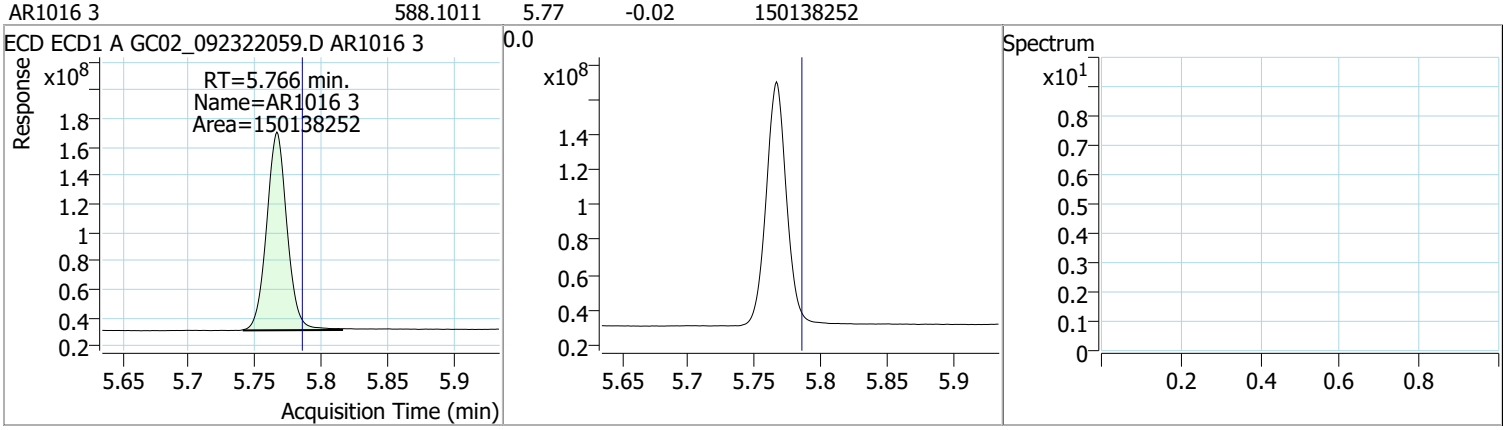
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.3668	5.34	-0.01	226110				



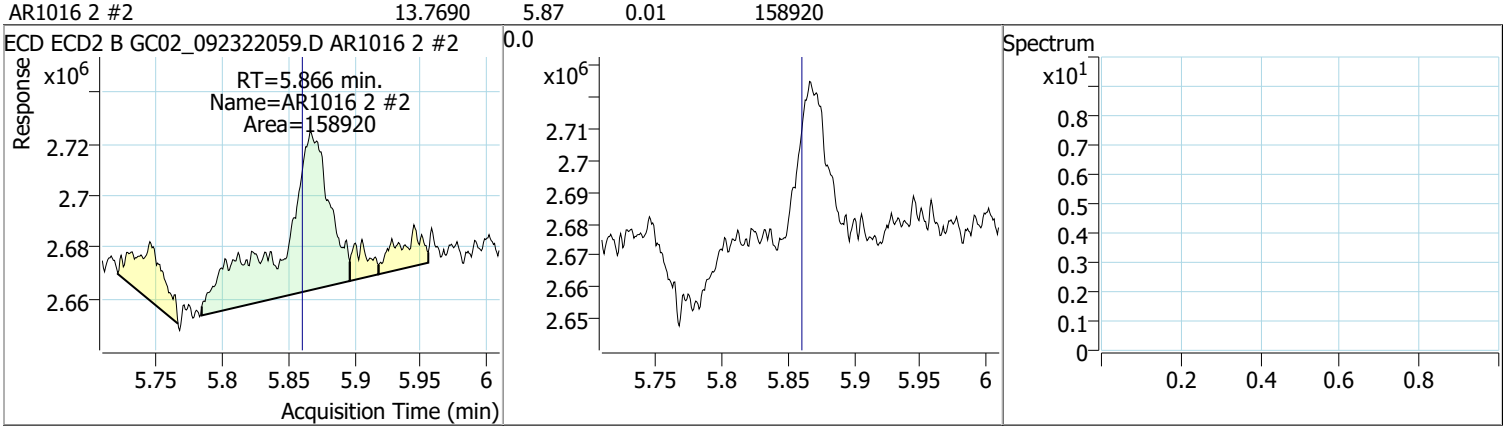
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.3911	5.47	0.01	29604				



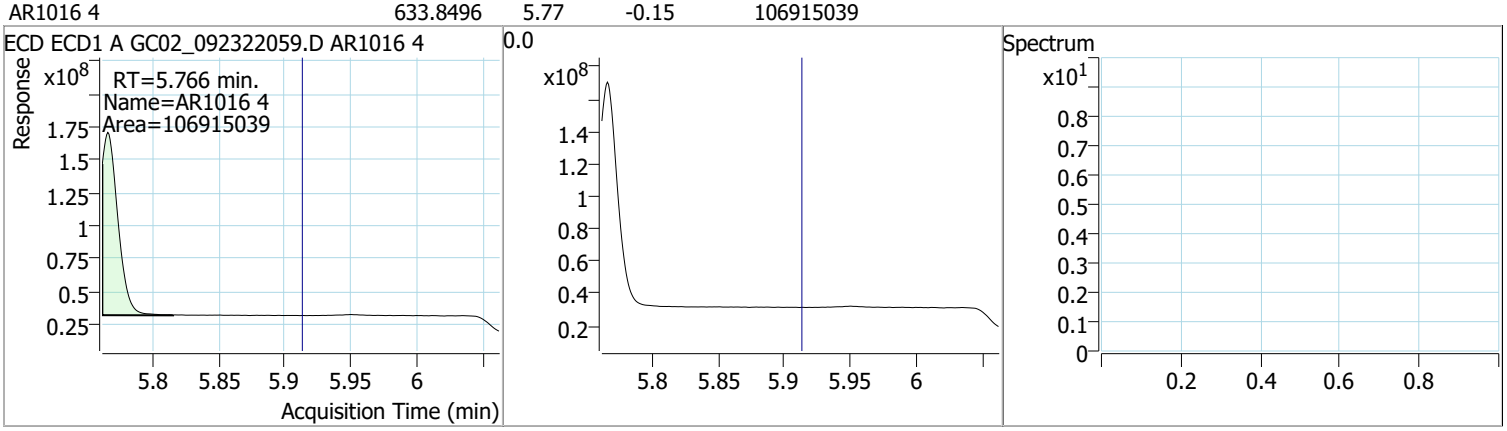
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	588.1011	5.77	-0.02	150138252				



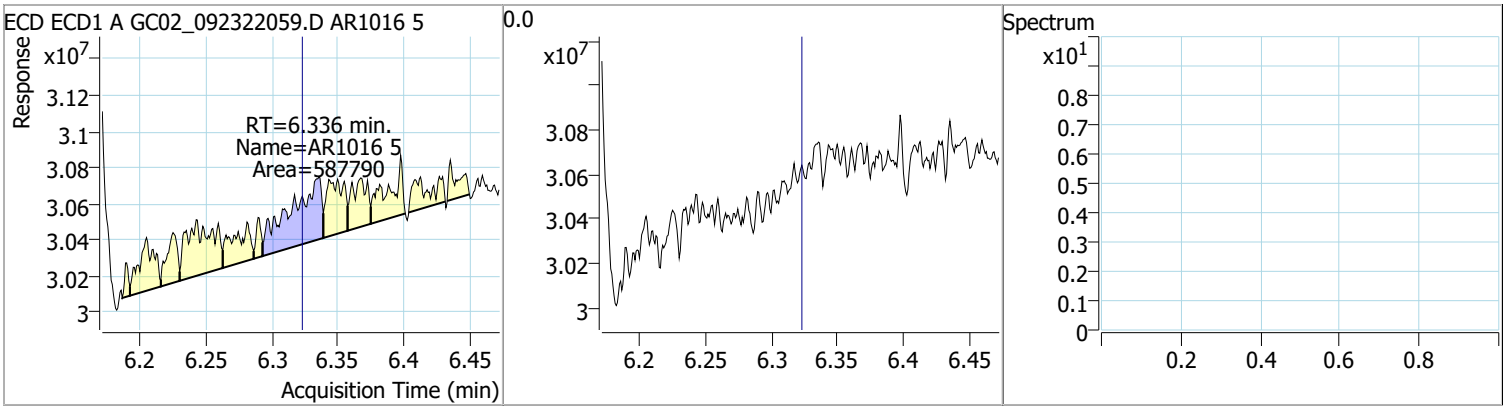
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.7690	5.87	0.01	158920				



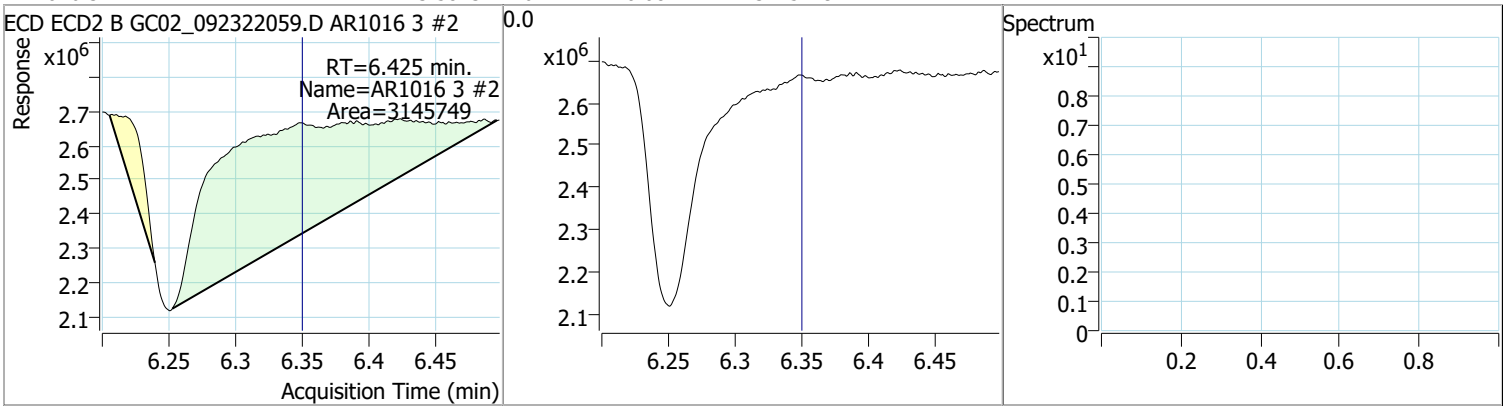
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	633.8496	5.77	-0.15	106915039				



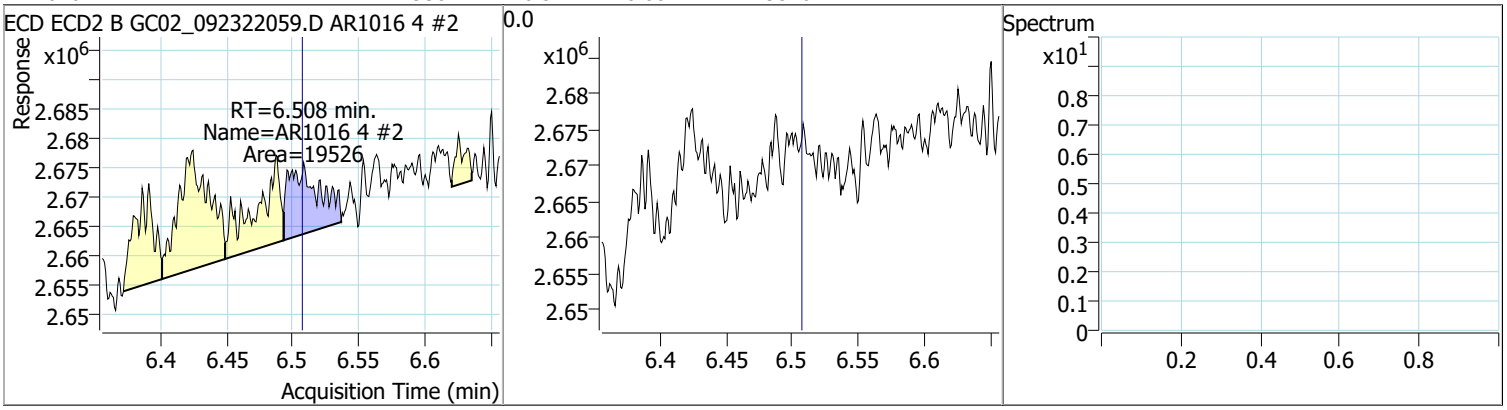
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	4.3303	6.34	0.01	587790				



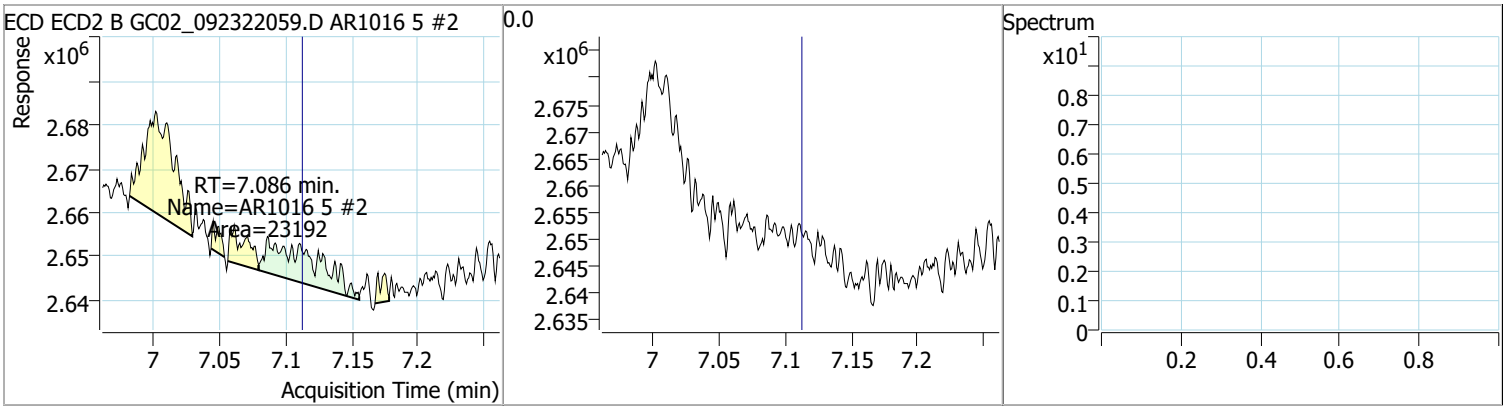
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	223.5873	6.42	0.08	3145749				



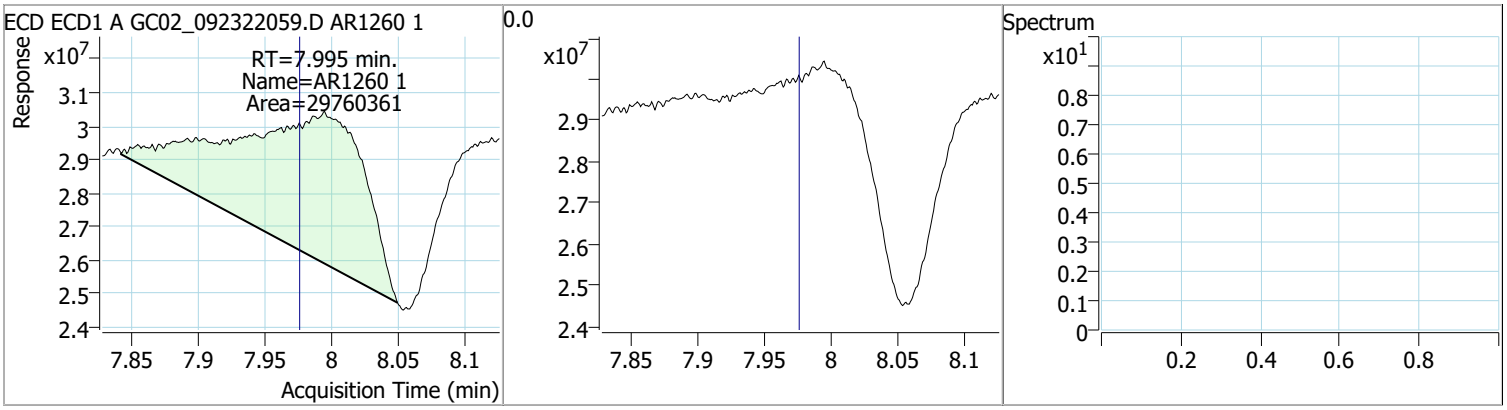
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.9307	6.51	0.00	19526				



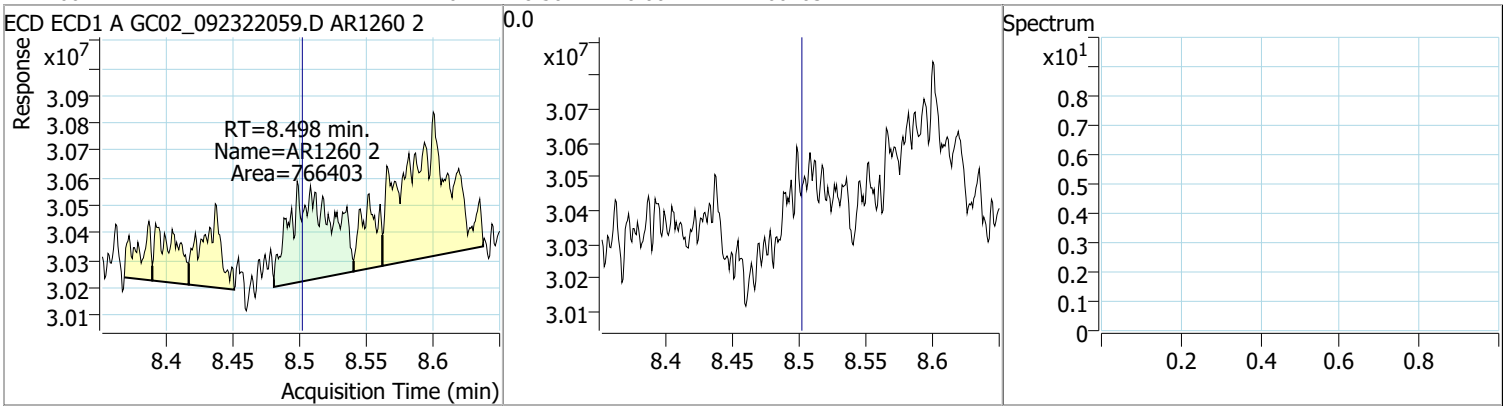
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.6772	7.09	-0.02	23192				



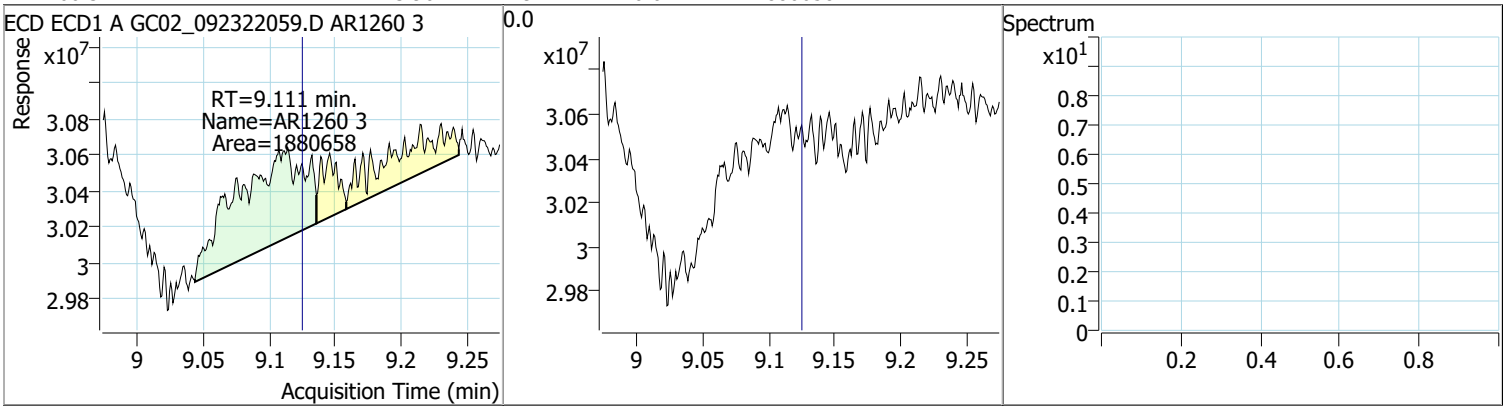
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	111.5447	7.99	0.02	29760361				



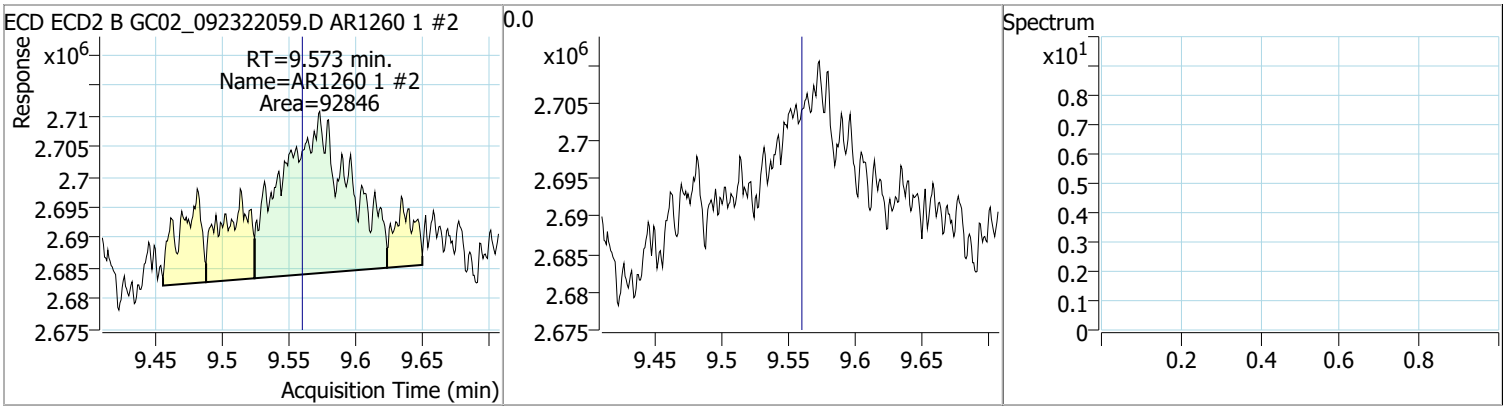
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.7726	8.50	0.00	766403				



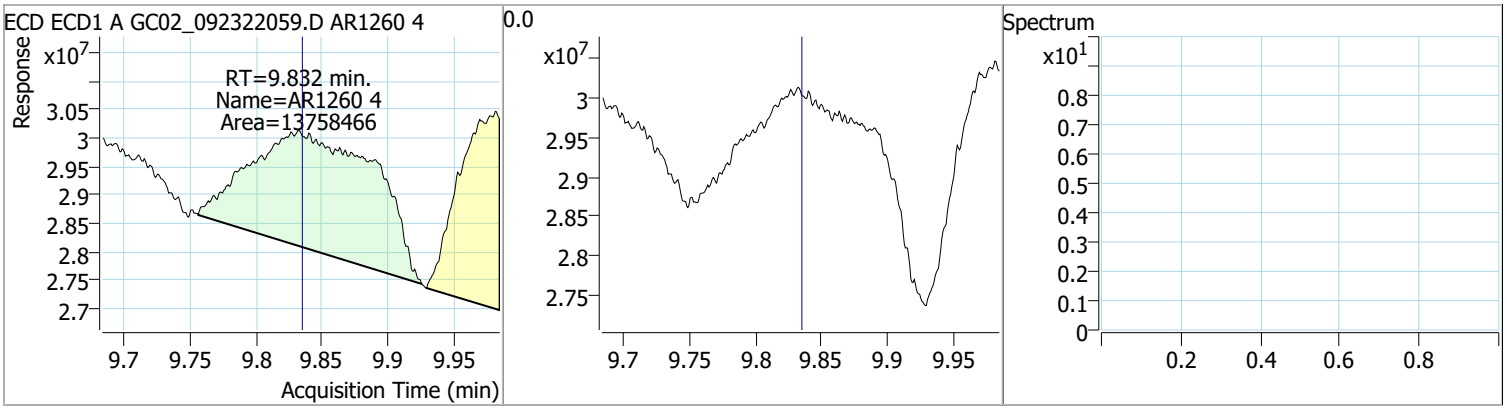
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.9011	9.11	-0.01	1880658				



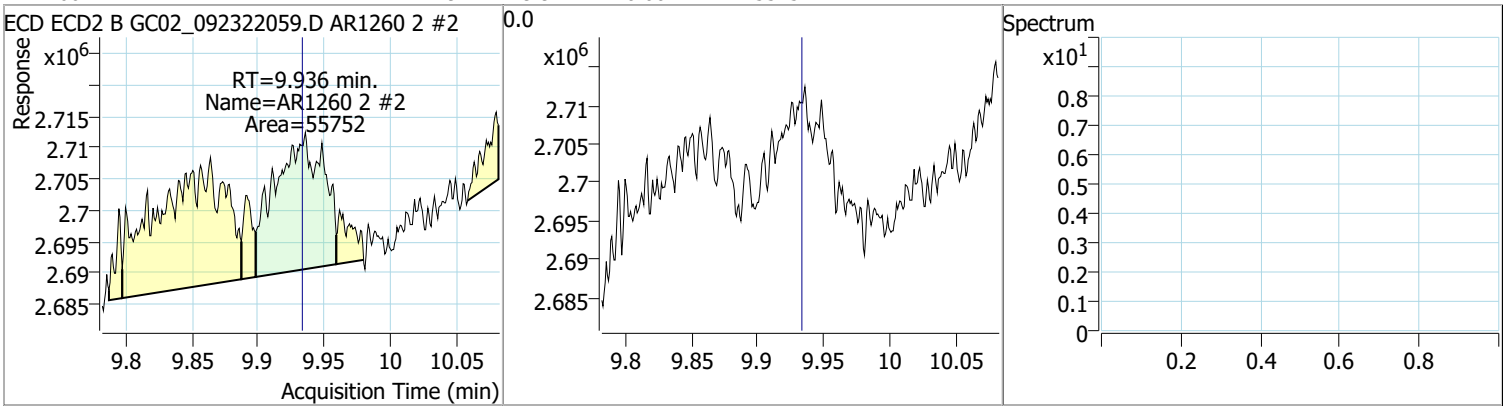
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.3852	9.57	0.02	92846				



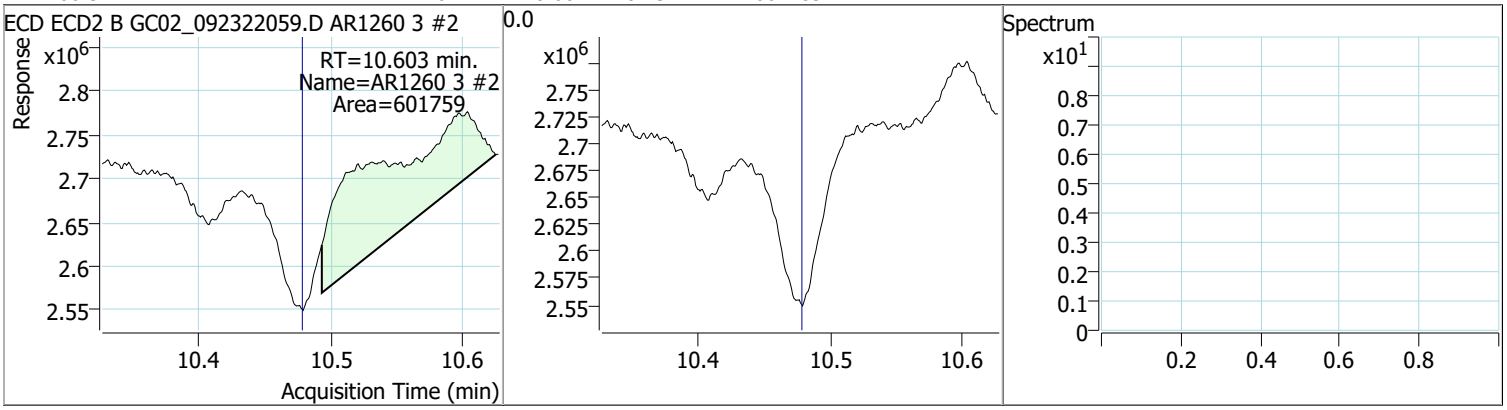
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	51.0352	9.83	0.00	13758466				



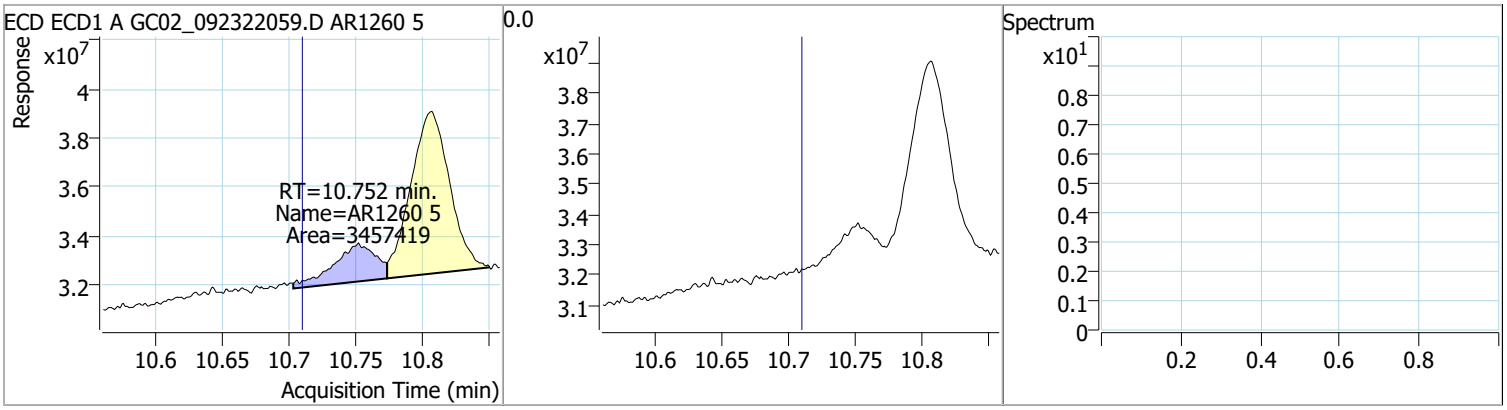
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.7729	9.94	0.00	55752				



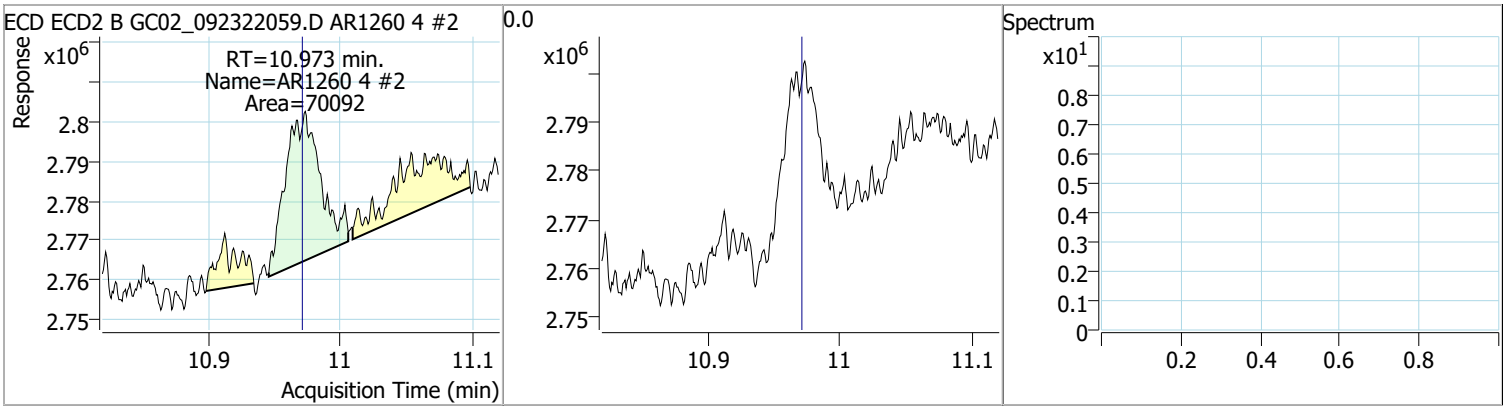
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	24.4672	10.60	0.13	601759				



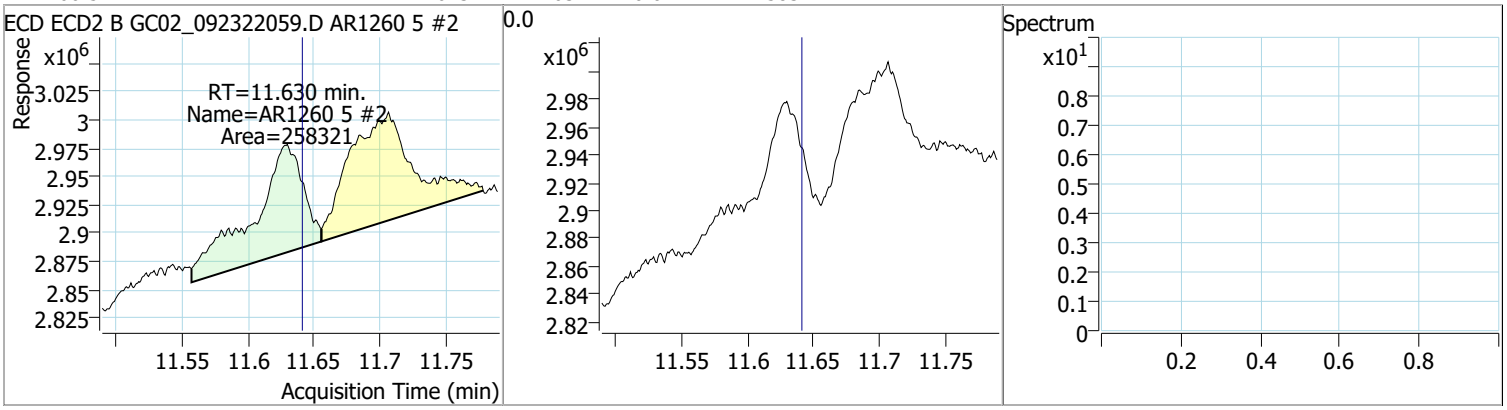
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	9.3486	10.75	0.04	3457419				



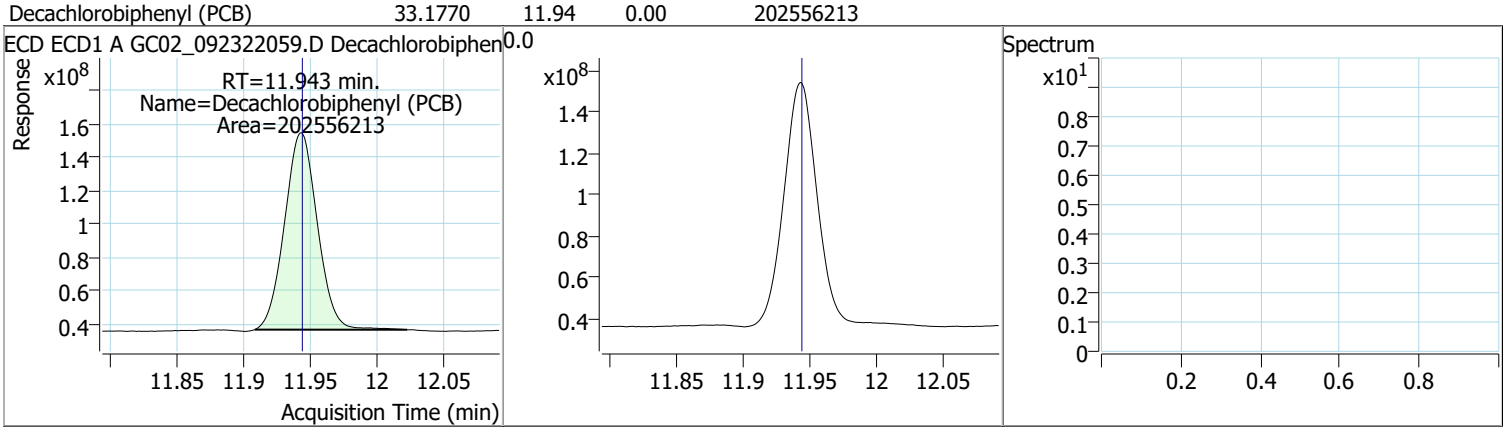
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.6691	10.97	0.00	70092				



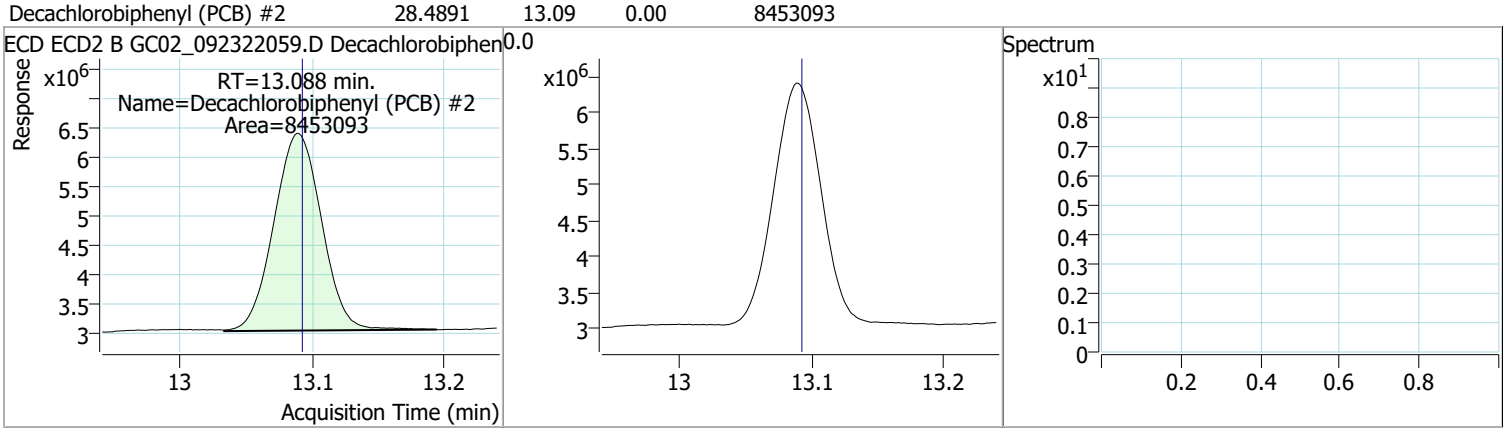
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	11.4673	11.63	-0.01	258321				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.1770	11.94	0.00	202556213				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.4891	13.09	0.00	8453093				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	469273-018	Client ID:	AFRAME-C2E-LAT-L3-UP-C2.5-DG-220915-P-LA
Seqnum:	212383934060	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_092322-060	Batch:	297417	Time:	24-SEP-2022 03:58
Cal:	212383934001	Caldate:	23-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	42.19	ND	0.39	73%	1.0		u
Aroclor-1016 Peak # 1	B	8.894	0.18	0.90	134%			
Aroclor-1016 Peak # 2	B	11.85	0.24	0.03	151%			
Aroclor-1016 Peak # 3	B	189.2	3.78	0.80	130%			
Aroclor-1016 Peak # 4	B	0.6561	0.01	0.06	131%			
Aroclor-1016 Peak # 5	B	0.3872	0.01	0.17	183%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	5.018	ND	0.53	136%	1.0		u
Aroclor-1260 Peak # 1	B	1.436	0.03	1.72	193%			
Aroclor-1260 Peak # 2	B	6.416	0.13	0.02	158%			
Aroclor-1260 Peak # 3	B	6.655	0.13	0.06	80%			
Aroclor-1260 Peak # 4	B	3.924	0.08	0.79	164%			
Aroclor-1260 Peak # 5	B	6.657	0.13	0.04	108%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	38.31	1.000	0.7662	77	52-186	c+ u
Decachlorobiphenyl (PCB)	B	33.12	1.000	0.6624	66	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_092322-038)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6643719	5212470	-21.54
1-bromo-2-nitrobenzene (PCB)	A	215524364	124892766	-42.05

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

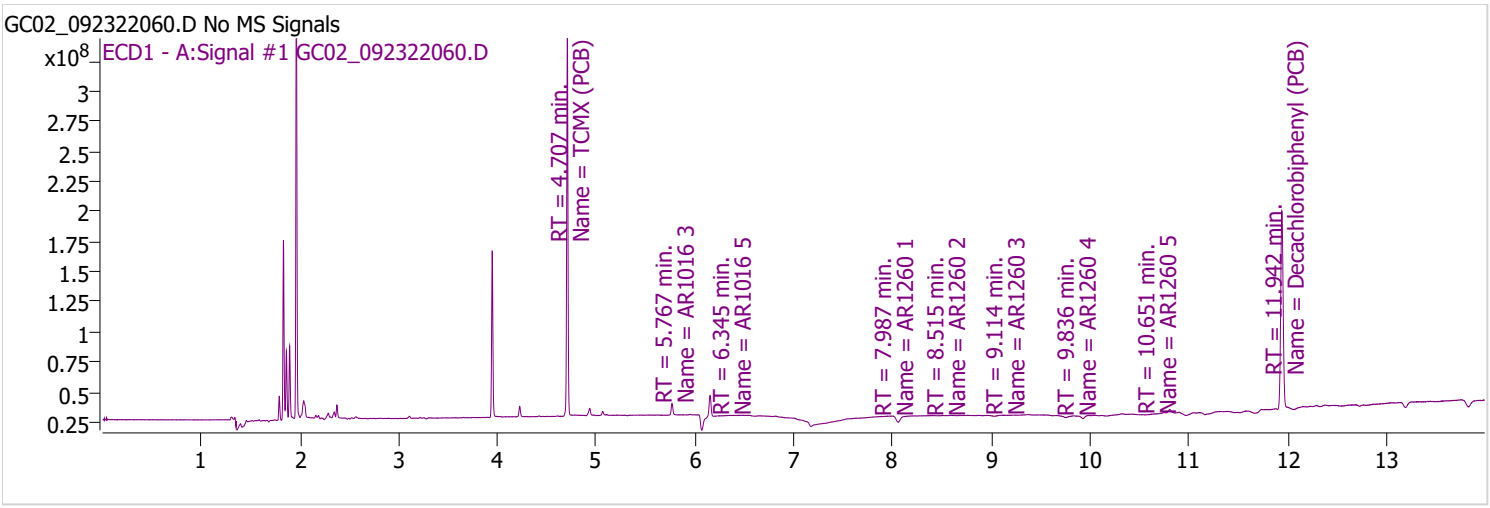
ISTD (CCV gc02_092322-038)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

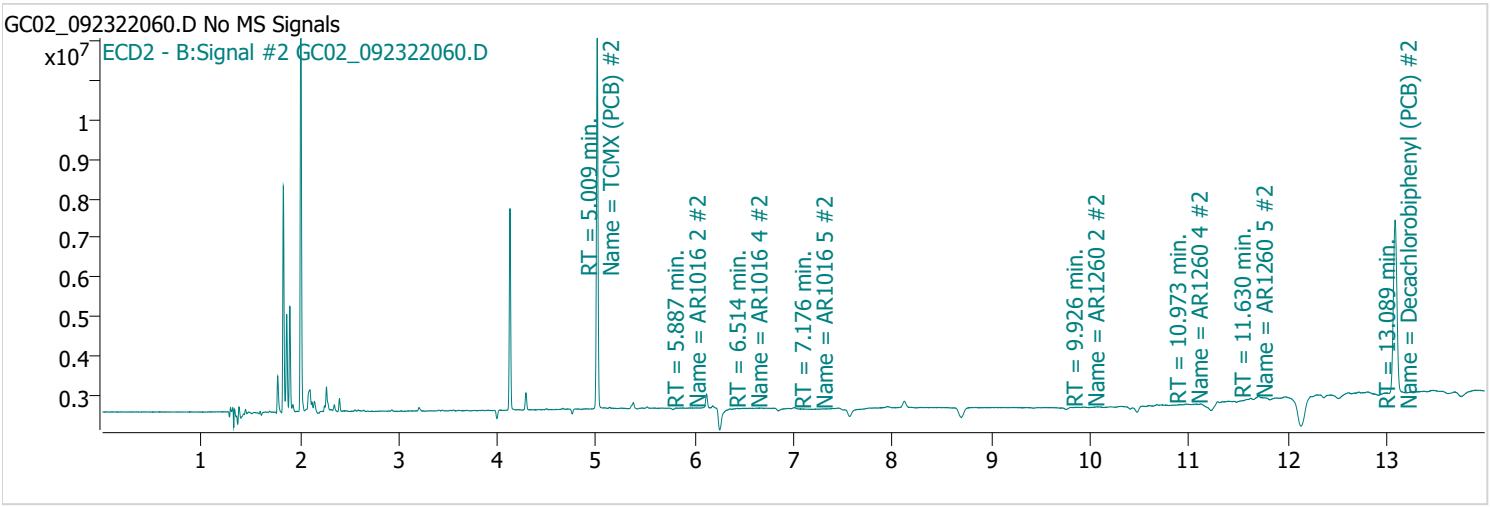
Analyst: TRN 09/26/22

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092322060.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/24/2022 3:58:10 AM
Sample Name	469273-018, 297417, 1	Instrument	SVOA-GC02
Vial	46	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	WIPE/1DM2-20ML//rr
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB2.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



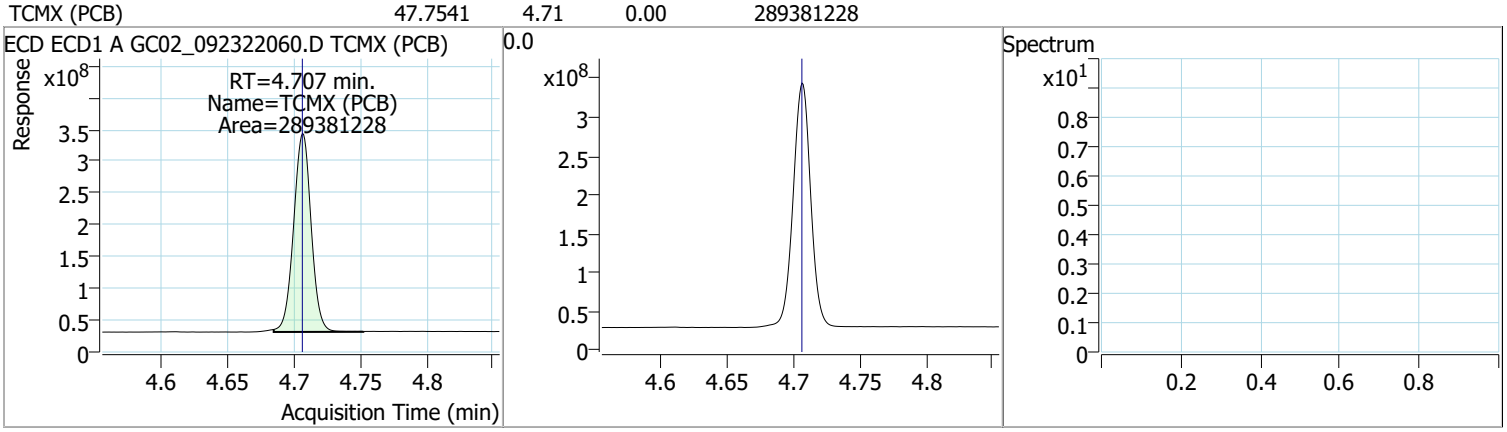


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.947	0.0	124892766.030	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	5212470.168	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.707	0.0	289381227.605	47.7541	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 238.77%		*	
S TCMX (PCB) #2	5.009	0.0	10368000.834	38.3103	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 191.55%		*	
S Decachlorobiphenyl (PCB)	11.942	0.0	290277563.065	40.0770	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.39%		*	
S Decachlorobiphenyl (PCB) #2	13.089	0.0	11152381.983	33.1215	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.61%		*	
Target Compounds							QValue

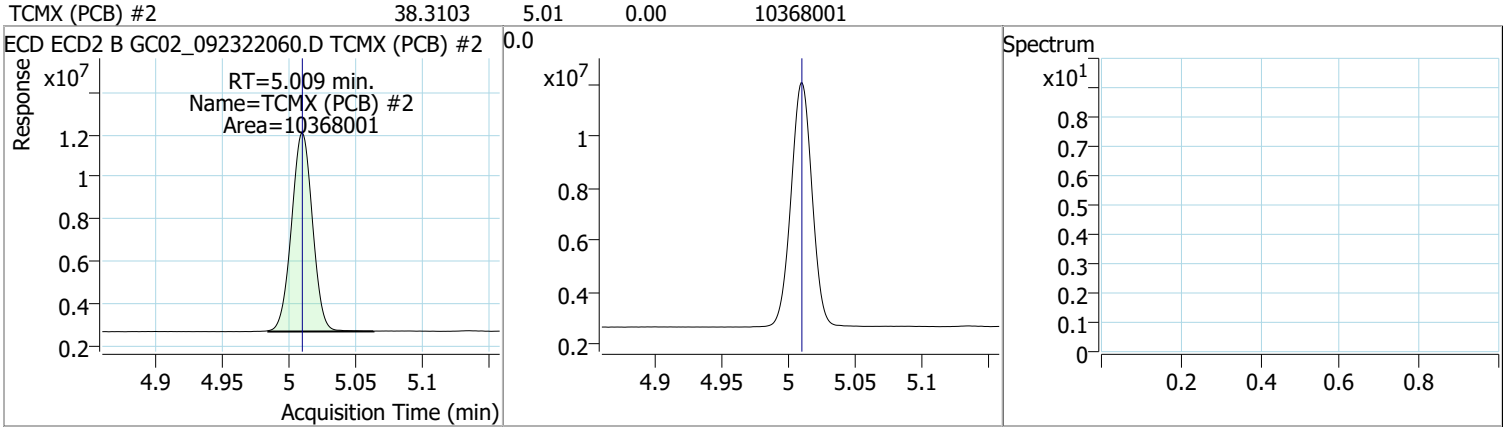
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.065	0.0	4091043.087	44.9411	ng/ml	100
T AR1016 2	5.362	0.0	326581.910	1.6641	ng/ml	100
T AR1016 1 #2	5.460	0.0	55422.966	8.8940	ng/ml	100
T AR1016 3	5.767	0.0	12092275.892	39.9263	ng/ml	100
T AR1016 2 #2	5.887	0.0	155144.982	11.8452	ng/ml	100
T AR1016 4	5.953	0.0	626113.502	3.1289	ng/ml	100
T AR1016 5	6.345	0.0	1393129.136	8.6512	ng/ml	100
T AR1016 3 #2	6.429	0.0	3020050.514	189.1543	ng/ml	100
T AR1016 4 #2	6.514	0.0	7529.424	0.6561	ng/ml	100
T AR1016 5 #2	7.176	0.0	3806.496	0.3872	ng/ml	100
T AR1260 1	7.987	0.0	27292286.045	86.2266	ng/ml	100
T AR1260 2	8.515	0.0	389052.250	0.7585	ng/ml	100
T AR1260 3	9.114	0.0	1628153.606	2.8469	ng/ml	100
T AR1260 1 #2	9.573	0.0	28088.451	1.4356	ng/ml	100
T AR1260 4	9.836	0.0	12663793.350	39.5963	ng/ml	100
T AR1260 2 #2	9.926	0.0	146380.838	6.4157	ng/ml	100
T AR1260 3 #2	10.601	0.0	185745.462	6.6552	ng/ml	100
T AR1260 5	10.651	0.0	873212.591	1.9902	ng/ml	100
T AR1260 4 #2	10.973	0.0	66852.441	3.9243	ng/ml	100
T AR1260 5 #2	11.630	0.0	170188.814	6.6575	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

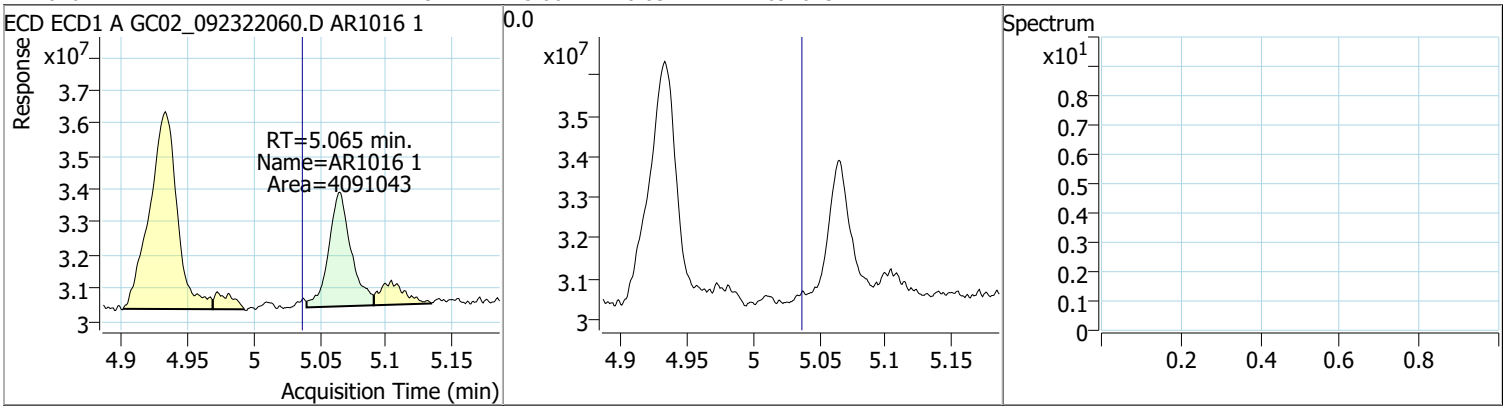
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	47.7541	4.71	0.00	289381228				



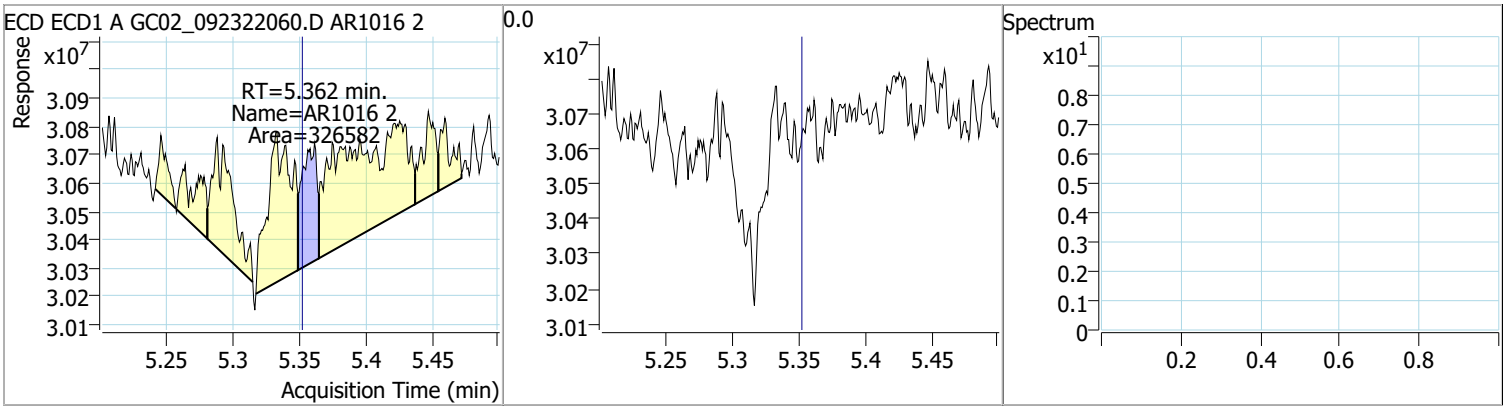
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.3103	5.01	0.00	10368001				



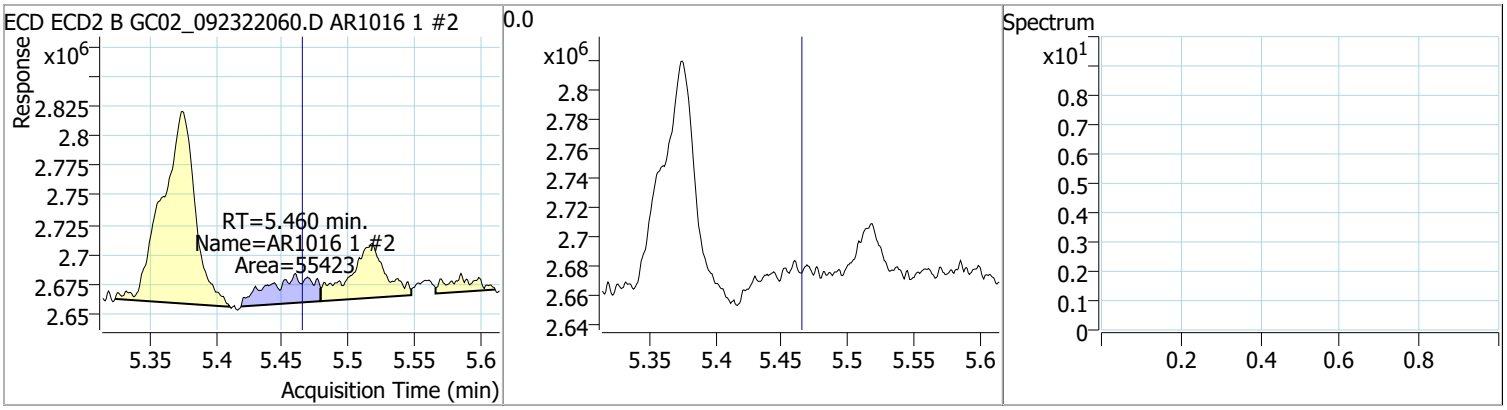
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	44.9411	5.06	0.03	4091043				



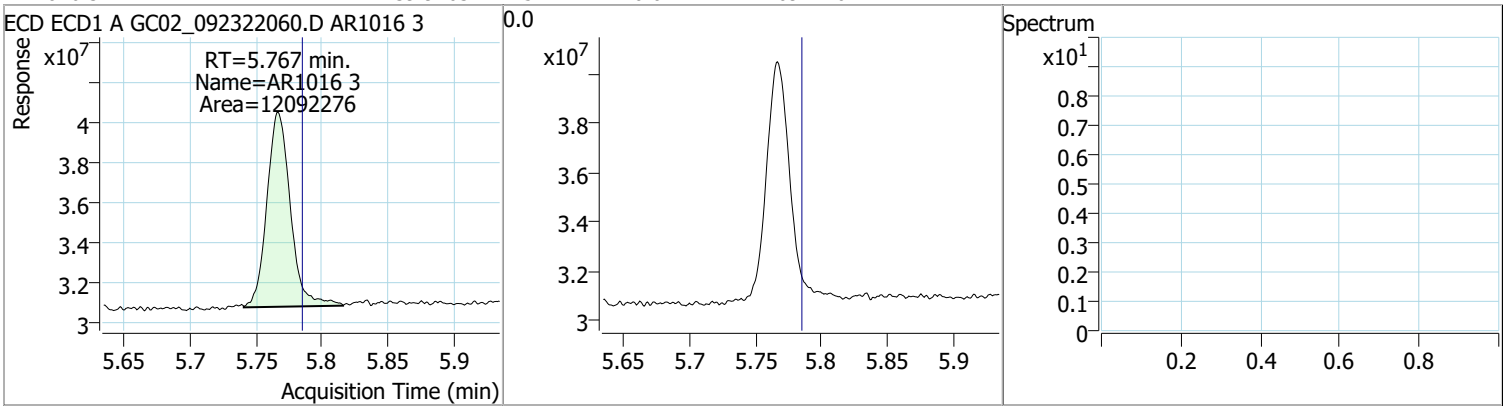
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.6641	5.36	0.01	326582				



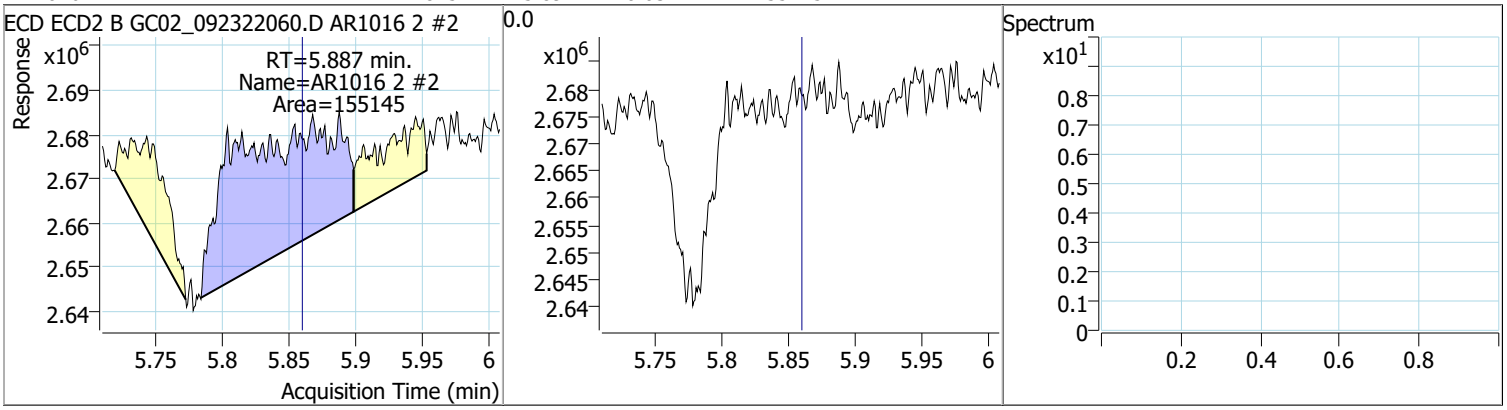
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	8.8940	5.46	0.00	55423				



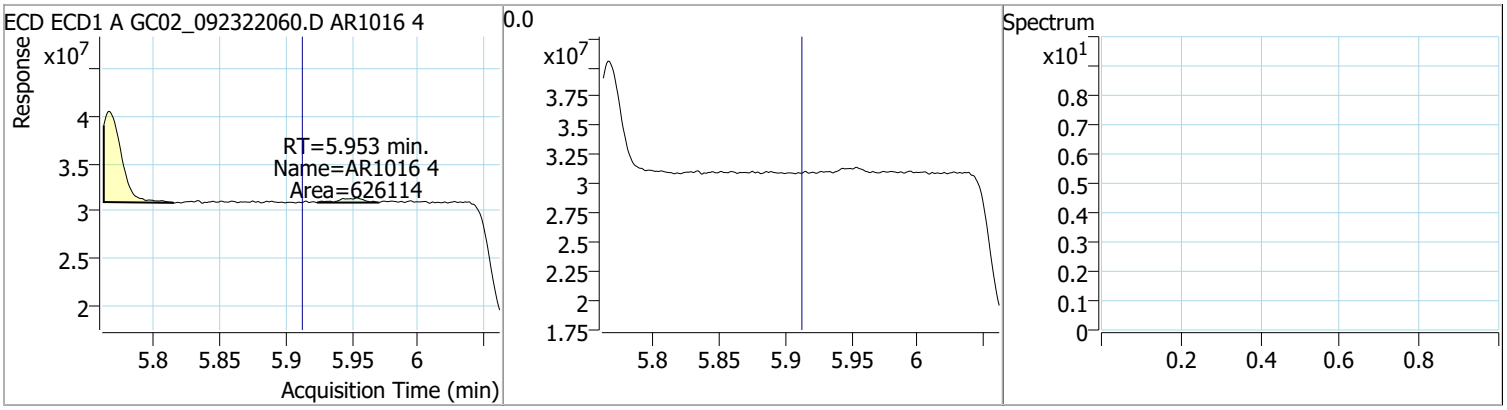
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	39.9263	5.77	-0.02	12092276				



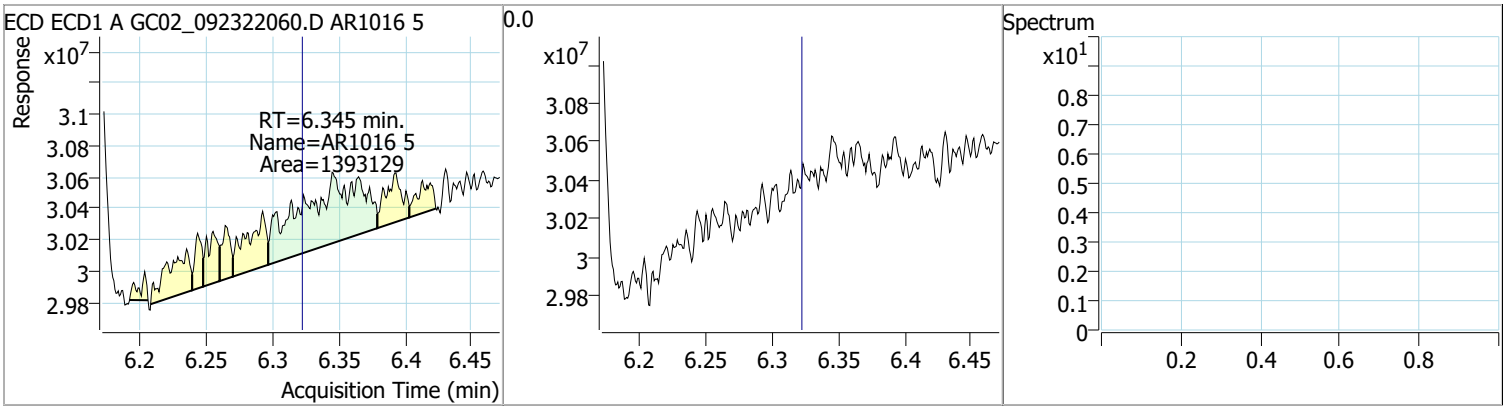
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	11.8452	5.89	0.03	155145				



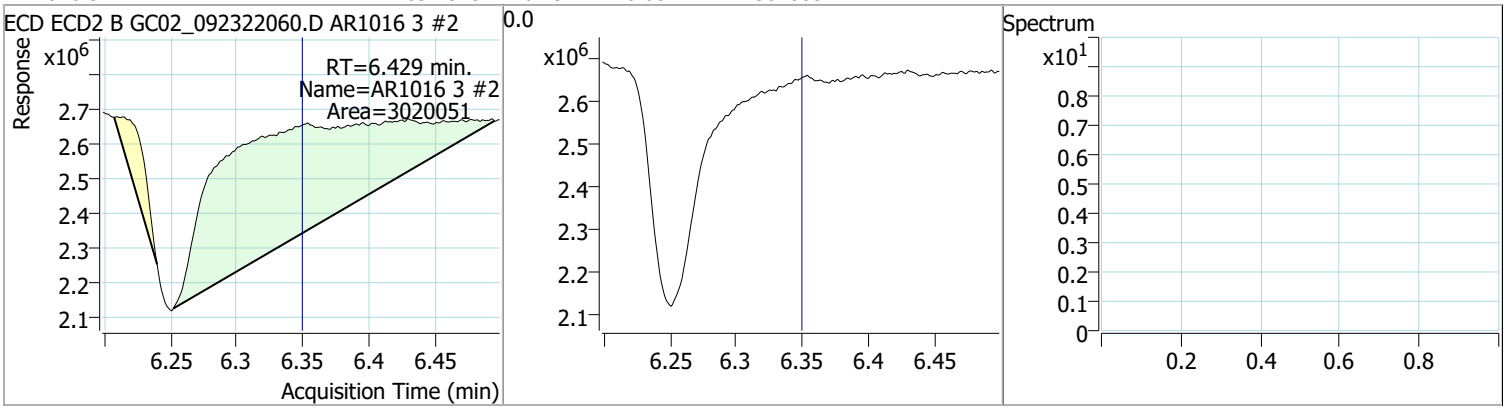
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	3.1289	5.95	0.04	626114				



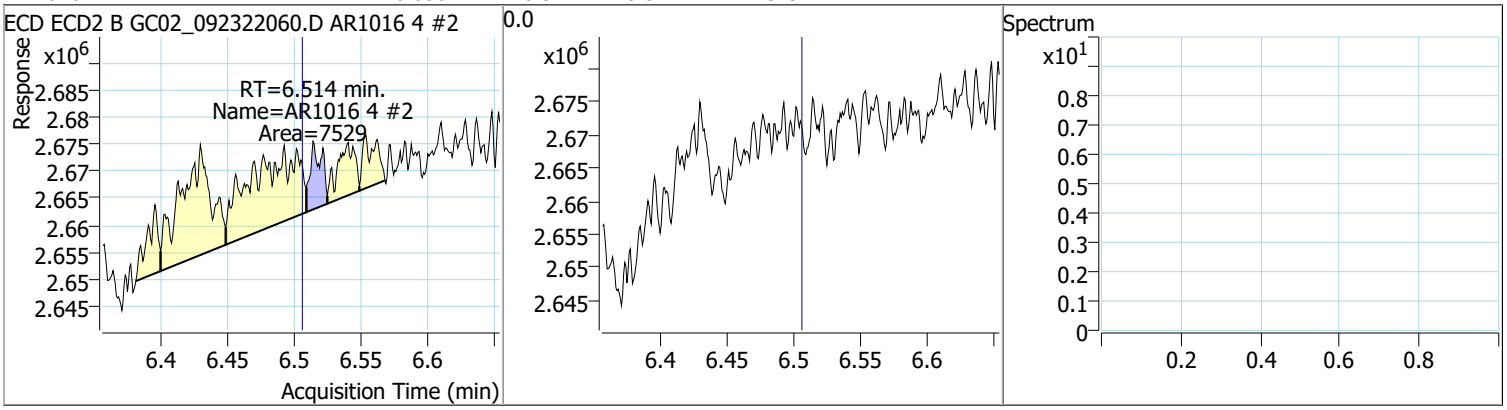
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	8.6512	6.34	0.02	1393129				



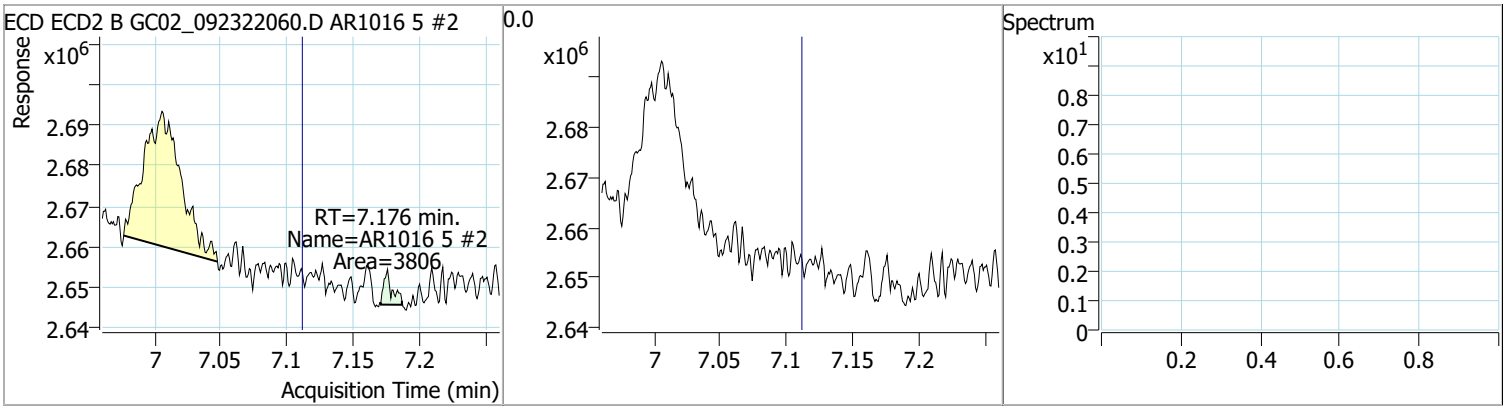
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	189.1543	6.43	0.08	3020051				



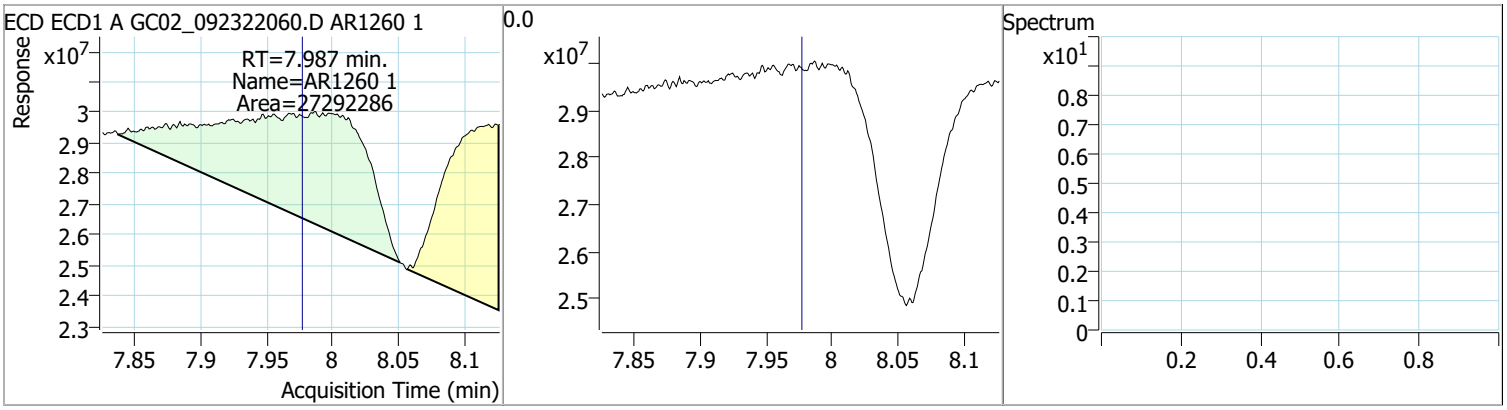
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.6561	6.51	0.01	7529				



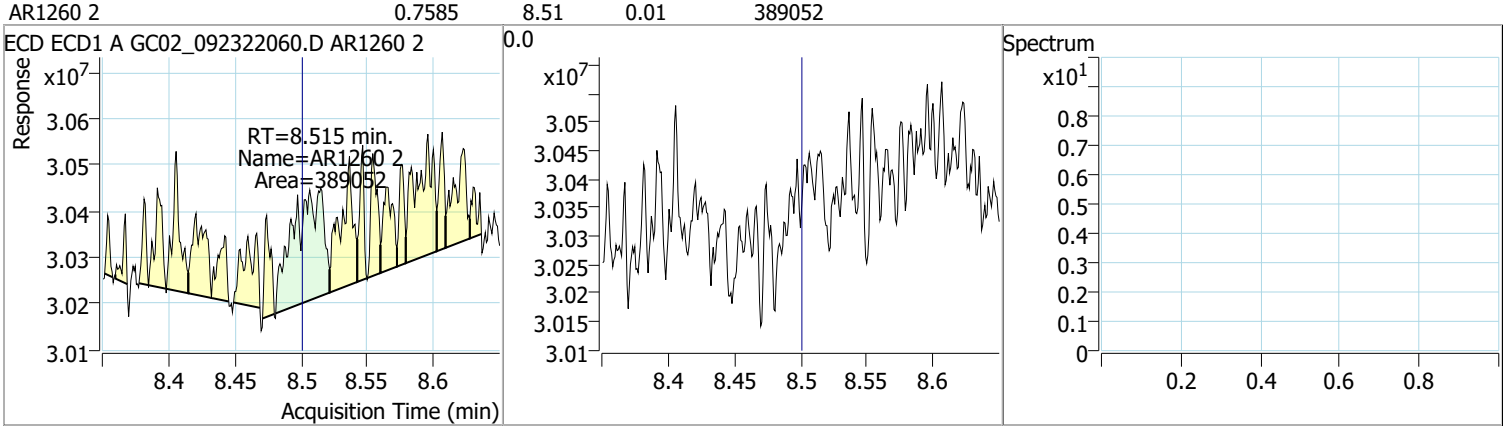
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.3872	7.18	0.06	3806				



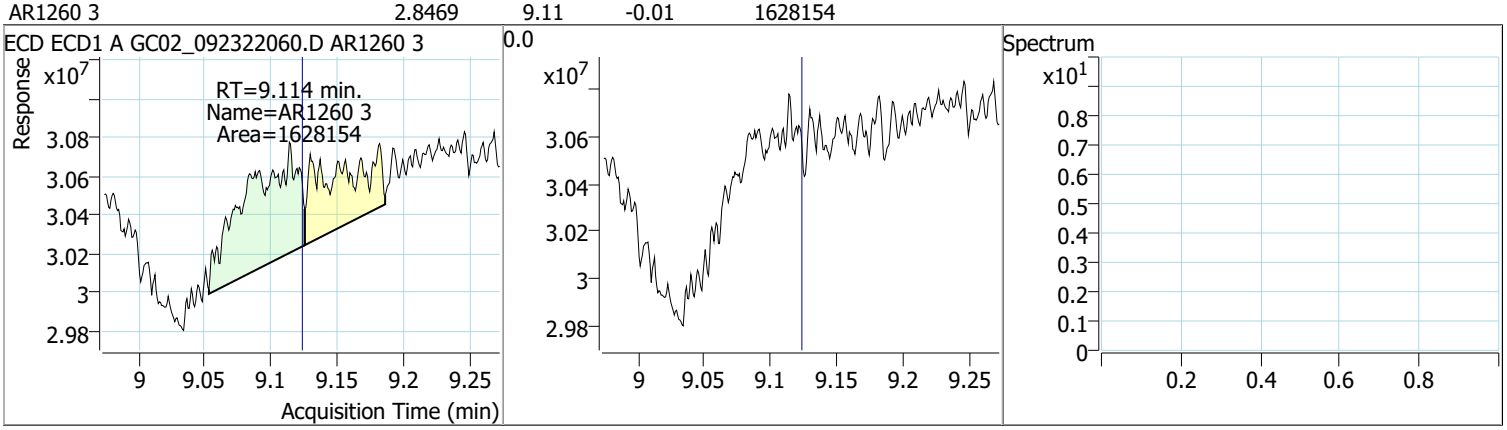
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	86.2266	7.99	0.01	27292286				



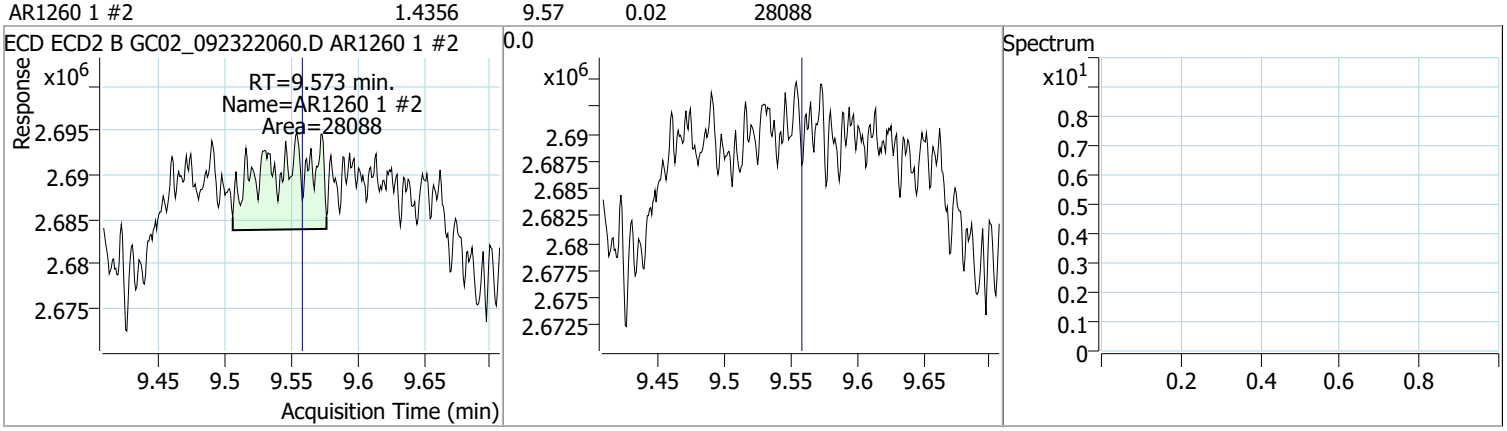
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.7585	8.51	0.01	389052				



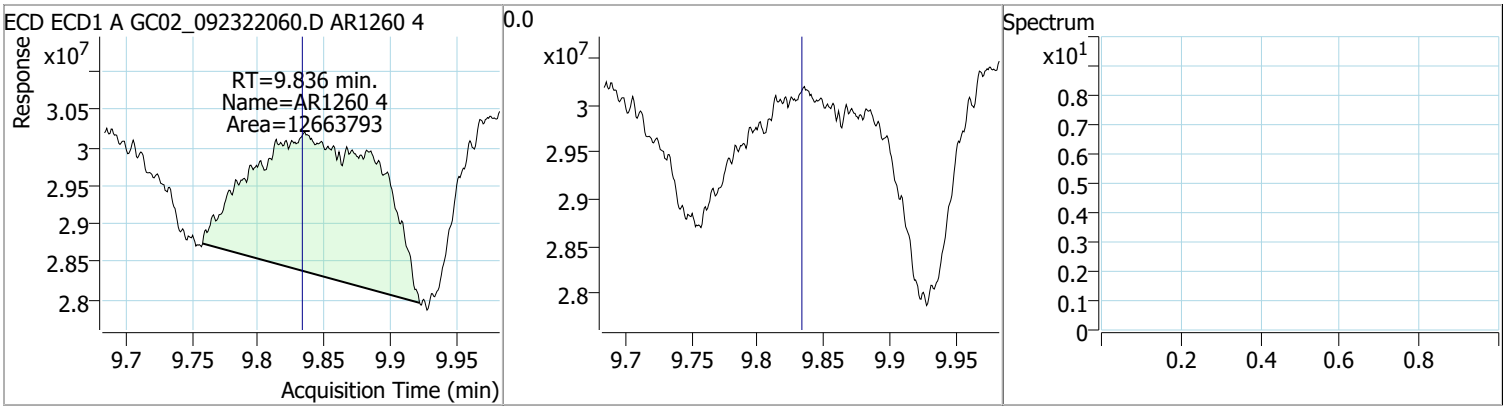
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.8469	9.11	-0.01	1628154				



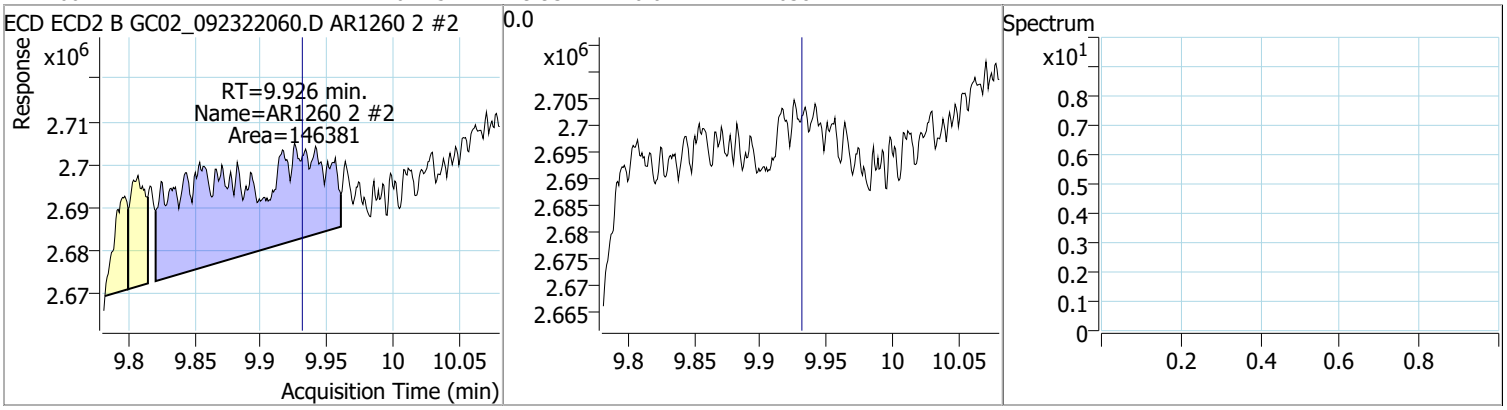
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.4356	9.57	0.02	28088				



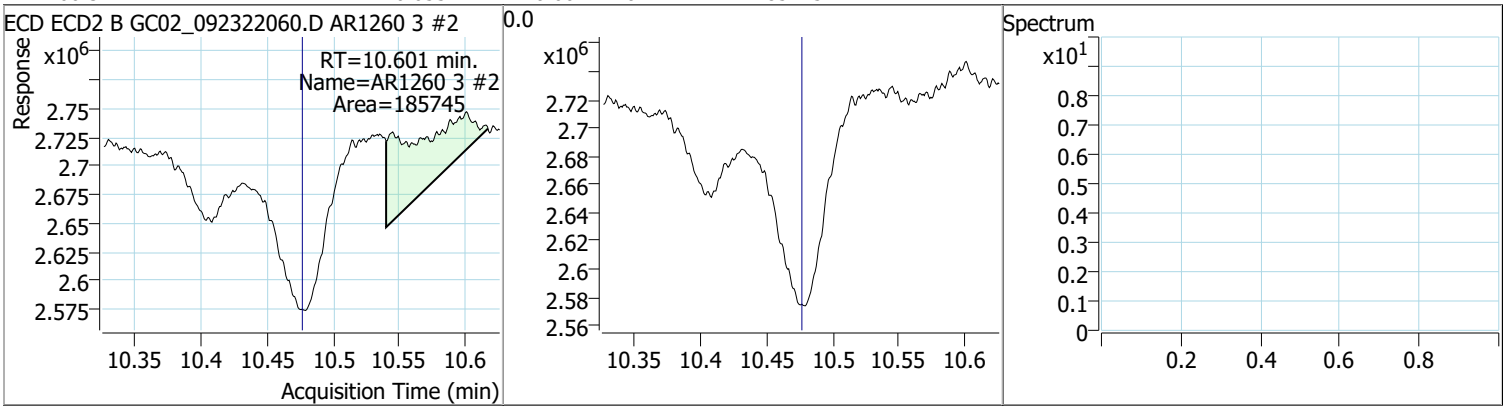
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	39.5963	9.84	0.00	12663793				



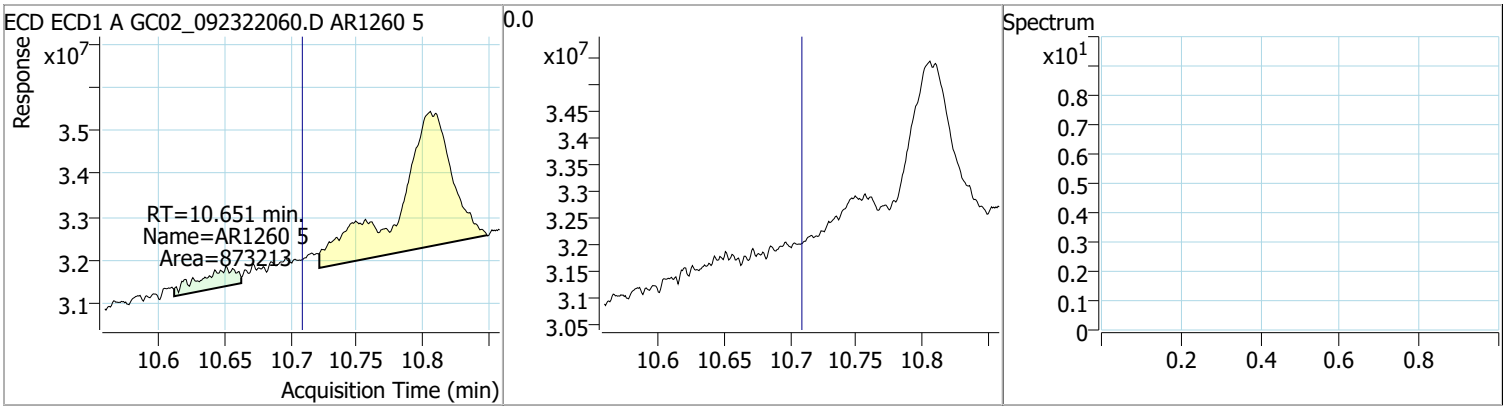
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	6.4157	9.93	-0.01	146381				



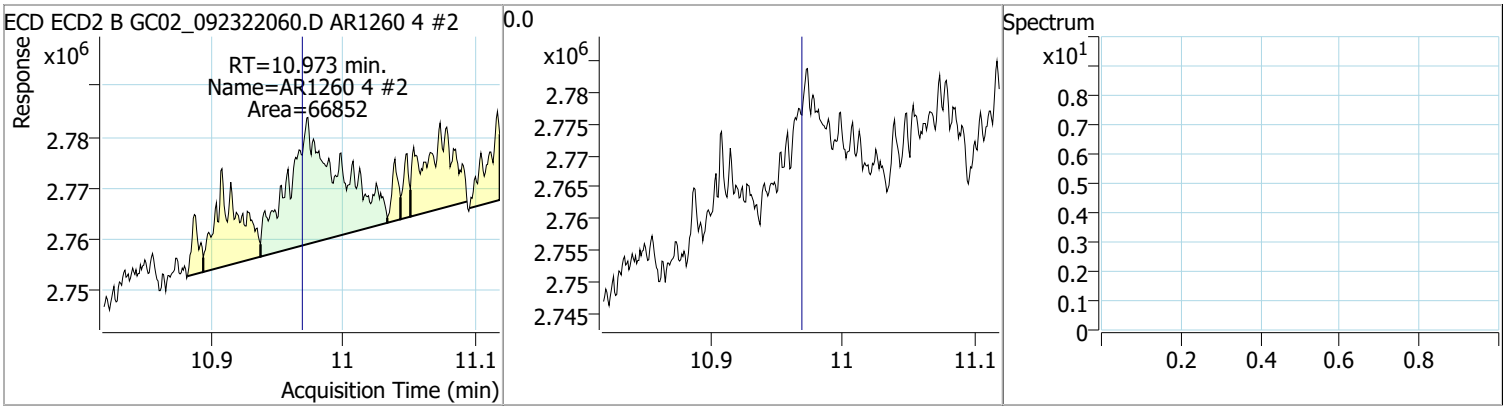
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	6.6552	10.60	0.12	185745				



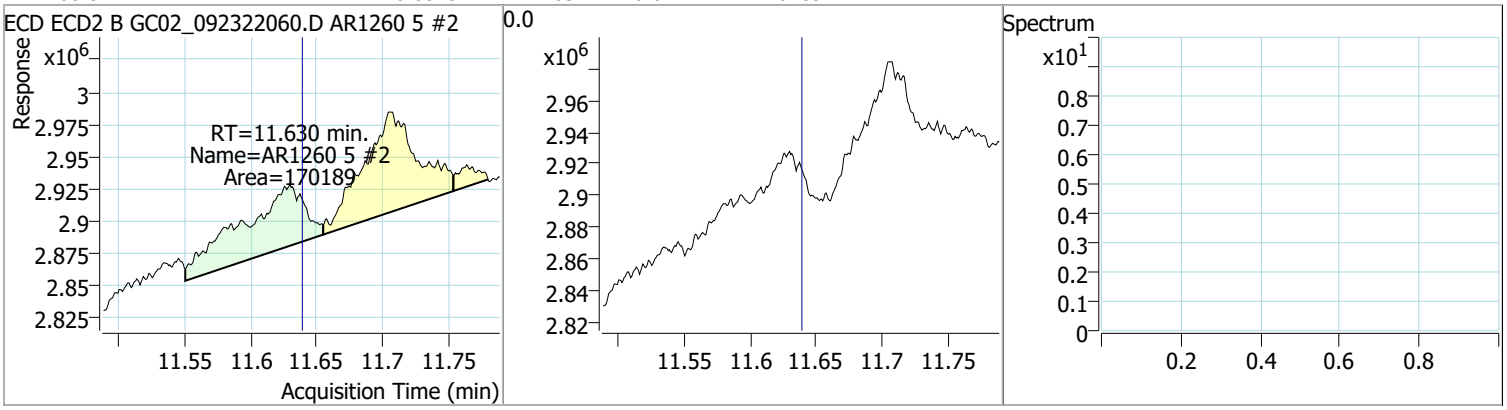
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1.9902	10.65	-0.06	873213				



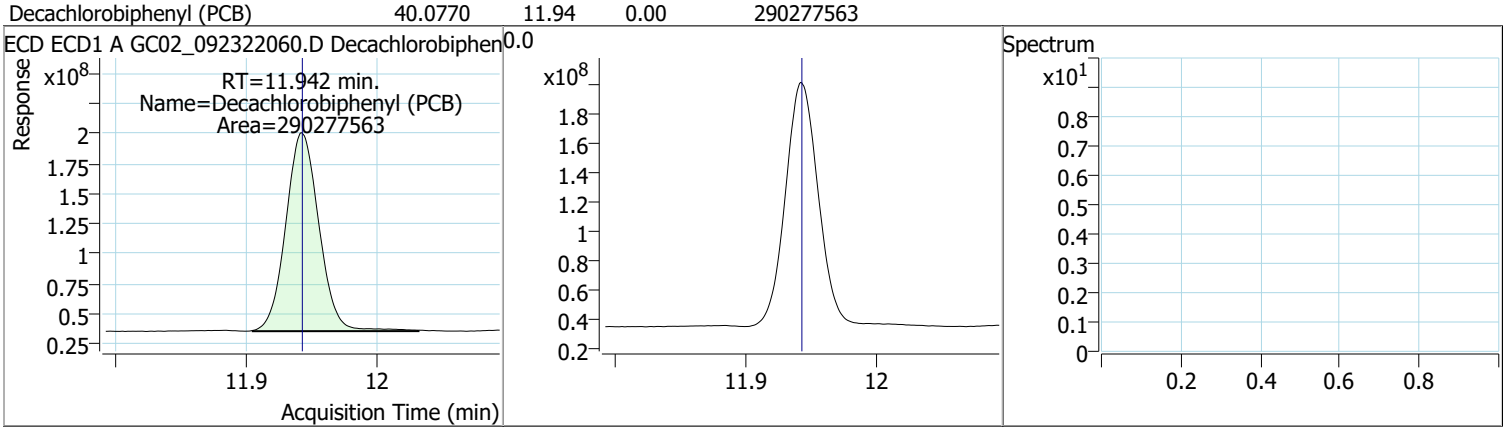
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	3.9243	10.97	0.00	66852				



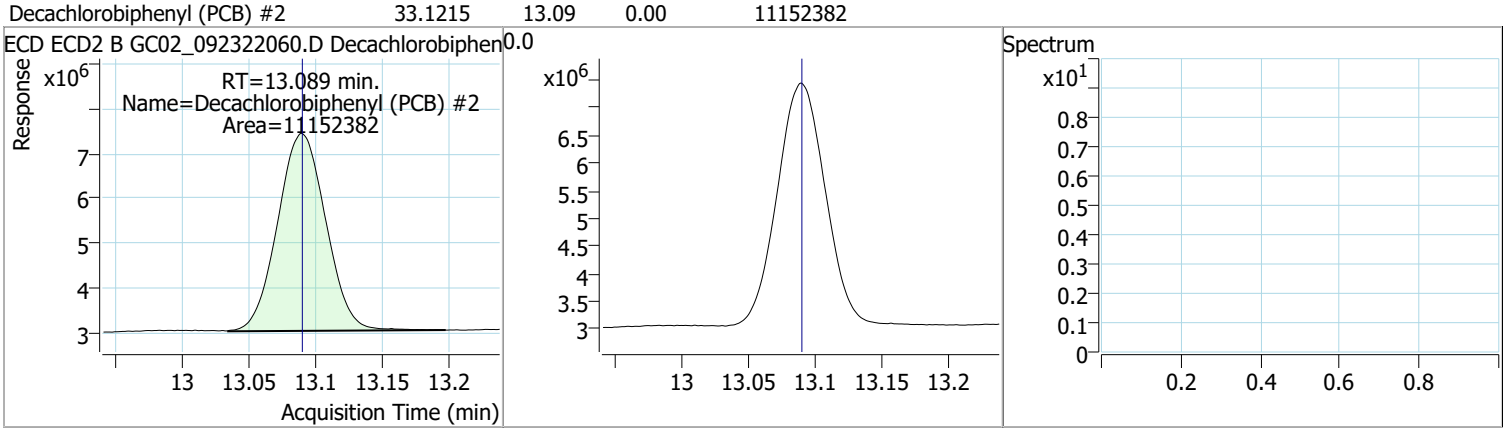
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	6.6575	11.63	-0.01	170189				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	40.0770	11.94	0.00	290277563				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.1215	13.09	0.00	11152382				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	469273-020	Client ID:	AFRAME-C2E-MED-L3-DN-C2.4-DG-220915-P-LA
Seqnum:	212383934061	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_092322-061	Batch:	297417	Time:	24-SEP-2022 04:15
Cal:	212383934001	Caldate:	23-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	50.39	~~1.0~~ ~~FP~~	3.4	108%	1.0		x u
Aroclor-1016 Peak # 1	B	31.50	0.63	1.08	52%			
Aroclor-1016 Peak # 2	B	15.17	0.30	0.04	153%			
Aroclor-1016 Peak # 3	B	203.2	4.06	7.43	59%			
Aroclor-1016 Peak # 4	B	0.7089	0.01	8.15	199%			
Aroclor-1016 Peak # 5	B	1.429	0.03	0.09	103%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	7.023	ND	0.44	103%	1.0		u
Aroclor-1260 Peak # 1	B	7.571	0.15	1.56	165%			
Aroclor-1260 Peak # 2	B	3.270	0.07	0.01	130%			
Aroclor-1260 Peak # 3	B	11.47	0.23	0.15	45%			
Aroclor-1260 Peak # 4	B	3.778	0.08	0.35	130%			
Aroclor-1260 Peak # 5	B	9.028	0.18	0.12	43%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.59	1.000	0.7119	71	52-186	c+ u
Decachlorobiphenyl (PCB)	B	31.11	1.000	0.6221	62	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_092322-038)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6643719	5229200	-21.29
1-bromo-2-nitrobenzene (PCB)	A	215524364	124511841	-42.23

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

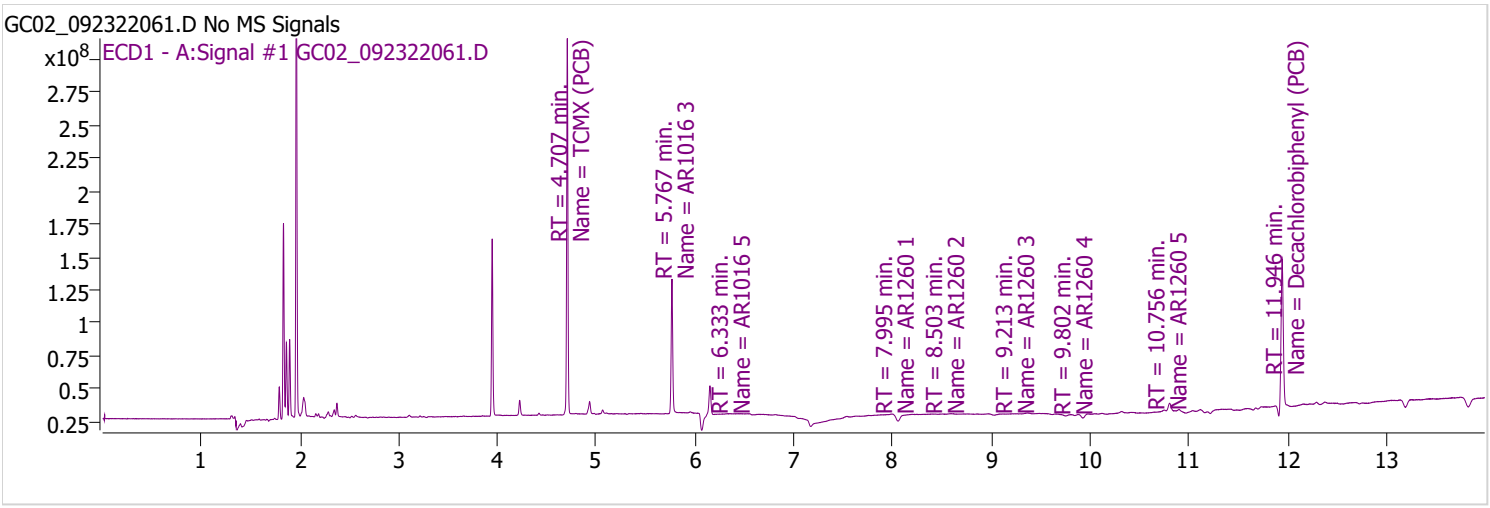
ISTD (CCV gc02_092322-038)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

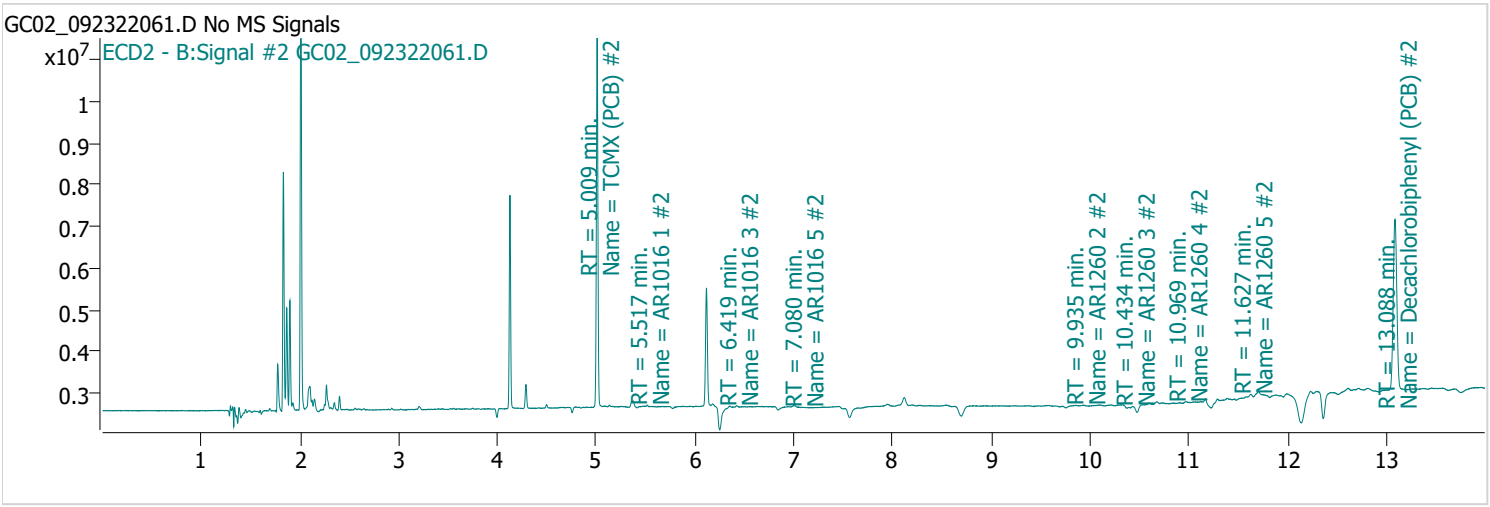
Analyst: TRN 09/26/22

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092322061.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/24/2022 4:15:55 AM
Sample Name	469273-020, 297417, 1	Instrument	SVOA-GC02
Vial	47	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	WIPE/1DM2-20ML//rr
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB2.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



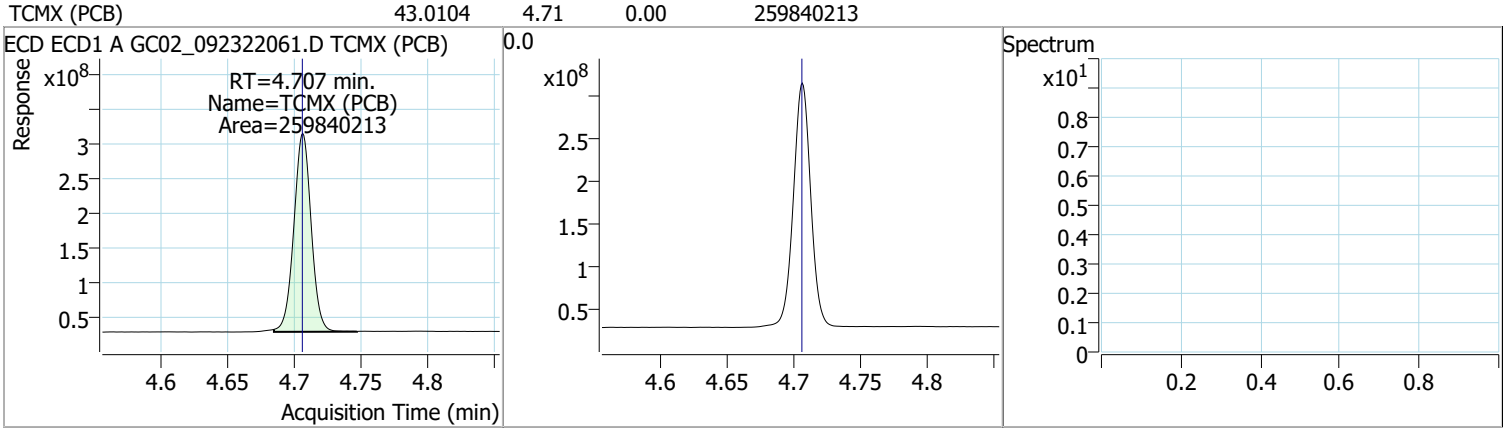


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	124511840.980	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	5229200.462	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.707	0.0	259840212.582	43.0104	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 215.05%		*	
S TCMX (PCB) #2	5.009	0.0	9664194.889	35.5954	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.98%		*	
S Decachlorobiphenyl (PCB)	11.946	0.0	203877007.201	28.2343	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 141.17%			
S Decachlorobiphenyl (PCB) #2	13.088	0.0	10507889.978	31.1076	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.54%		*	
Target Compounds							QValue

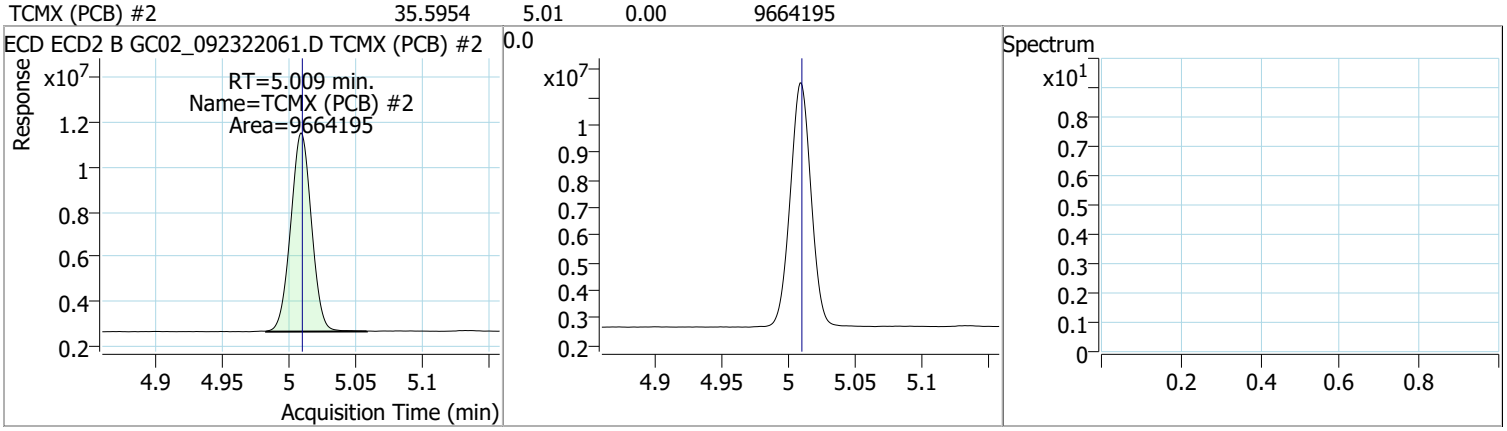
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.064	0.0	4888576.439	53.8665	ng/ml	100
T AR1016 2	5.292	0.0	391133.705	1.9991	ng/ml	100
T AR1016 1 #2	5.517	0.0	196906.473	31.4975	ng/ml	100
T AR1016 3	5.767	0.0	112229123.166	371.6922	ng/ml	100
T AR1016 2 #2	5.874	0.0	199309.043	15.1684	ng/ml	100
T AR1016 4	5.767	0.0	81341476.193	407.7338	ng/ml	100
T AR1016 5	6.333	0.0	713713.814	4.4456	ng/ml	100
T AR1016 3 #2	6.419	0.0	3254279.554	203.1726	ng/ml	100
T AR1016 4 #2	6.508	0.0	8162.173	0.7089	ng/ml	100
T AR1016 5 #2	7.080	0.0	14090.599	1.4287	ng/ml	100
T AR1260 1	7.995	0.0	24559568.083	77.8303	ng/ml	100
T AR1260 2	8.503	0.0	357314.963	0.6988	ng/ml	100
T AR1260 3	9.213	0.0	4152684.019	7.2833	ng/ml	100
T AR1260 1 #2	9.577	0.0	148609.297	7.5714	ng/ml	100
T AR1260 4	9.802	0.0	5650541.216	17.7218	ng/ml	100
T AR1260 2 #2	9.935	0.0	74840.679	3.2697	ng/ml	100
T AR1260 3 #2	10.434	0.0	321048.096	11.4662	ng/ml	100
T AR1260 5	10.756	0.0	2550214.256	5.8303	ng/ml	100
T AR1260 4 #2	10.969	0.0	64567.147	3.7780	ng/ml	100
T AR1260 5 #2	11.627	0.0	231522.004	9.0278	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

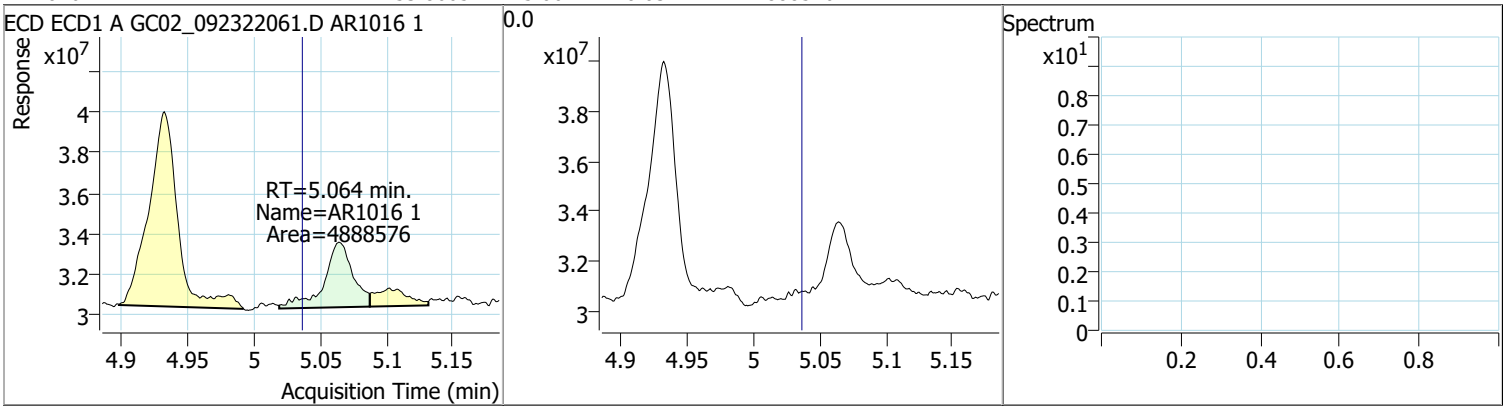
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.0104	4.71	0.00	259840213				



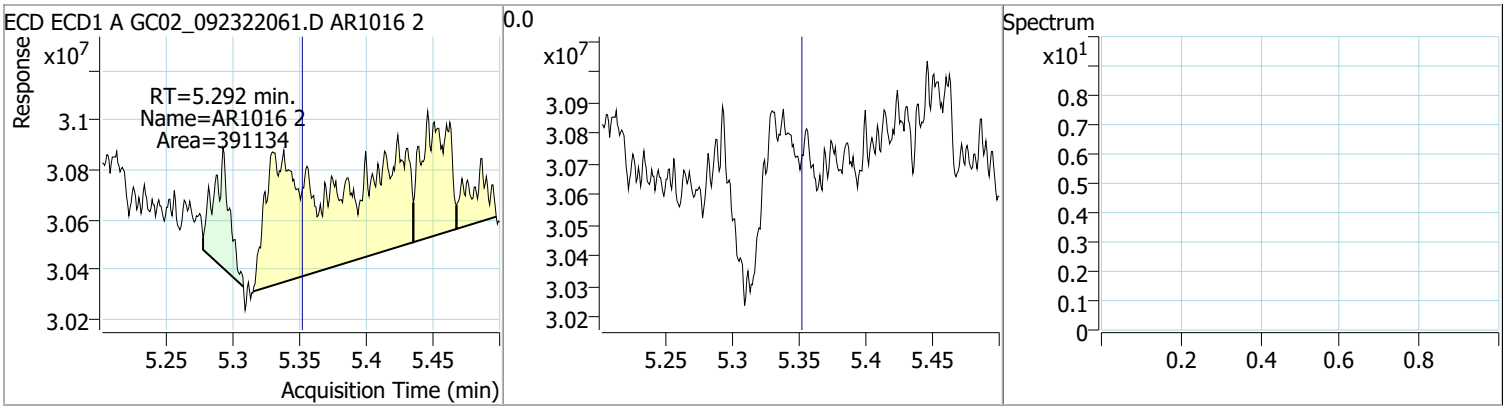
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.5954	5.01	0.00	9664195				



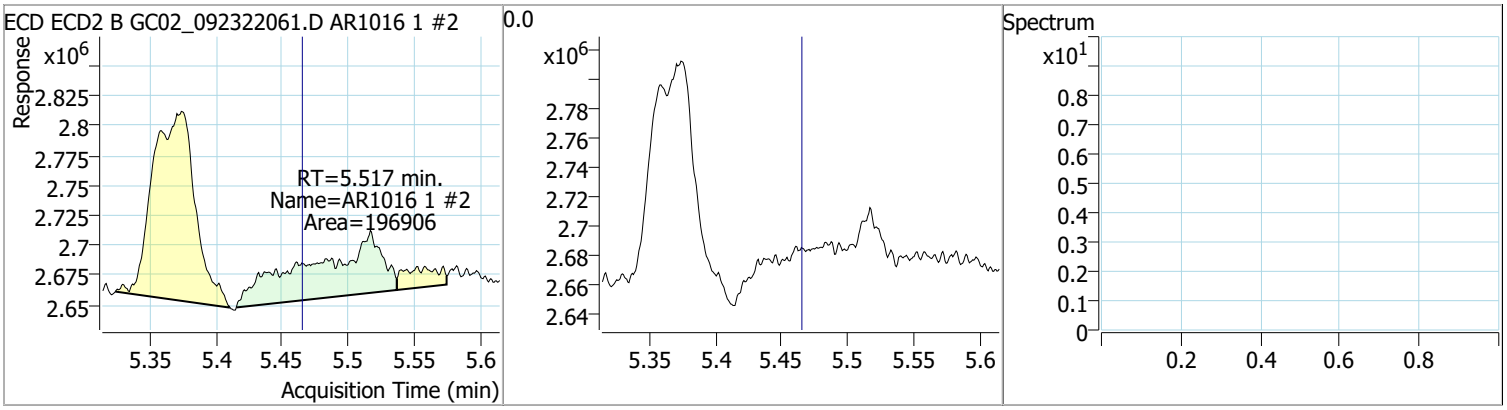
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	53.8665	5.06	0.03	4888576				



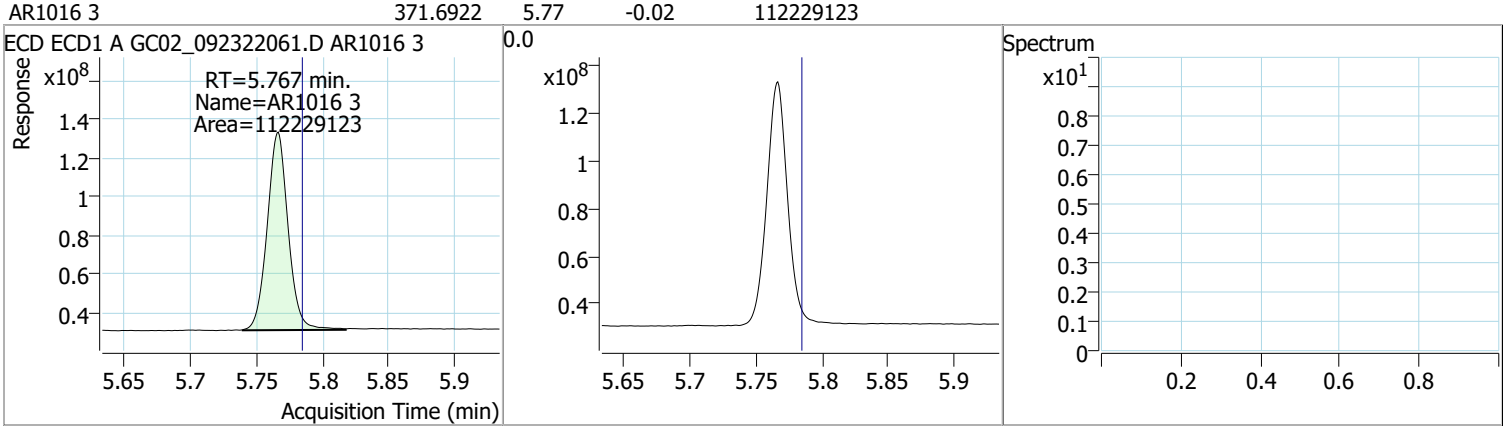
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.9991	5.29	-0.06	391134				



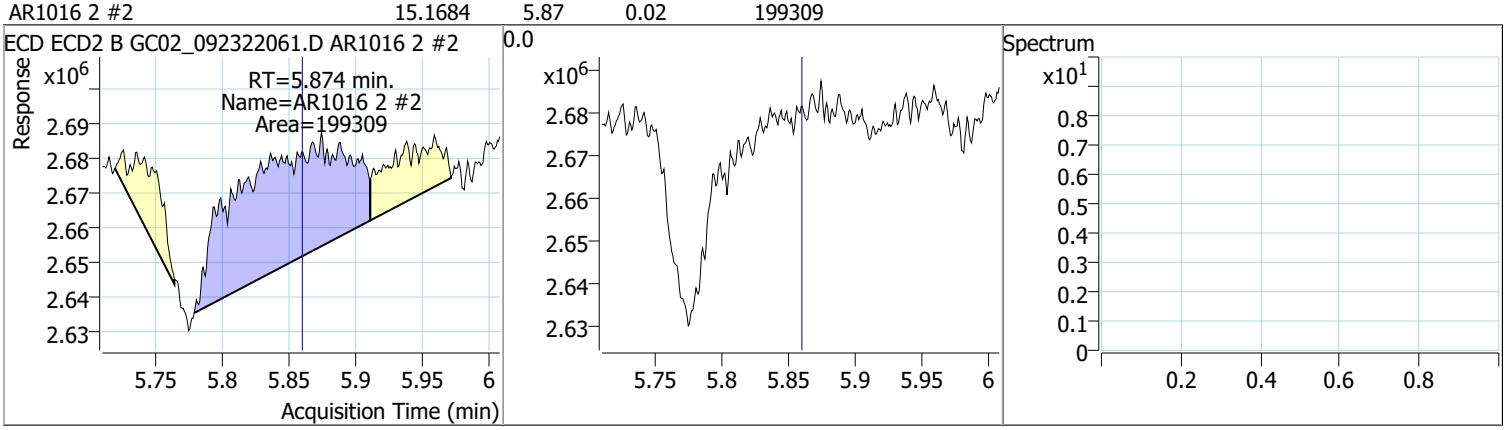
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	31.4975	5.52	0.05	196906				



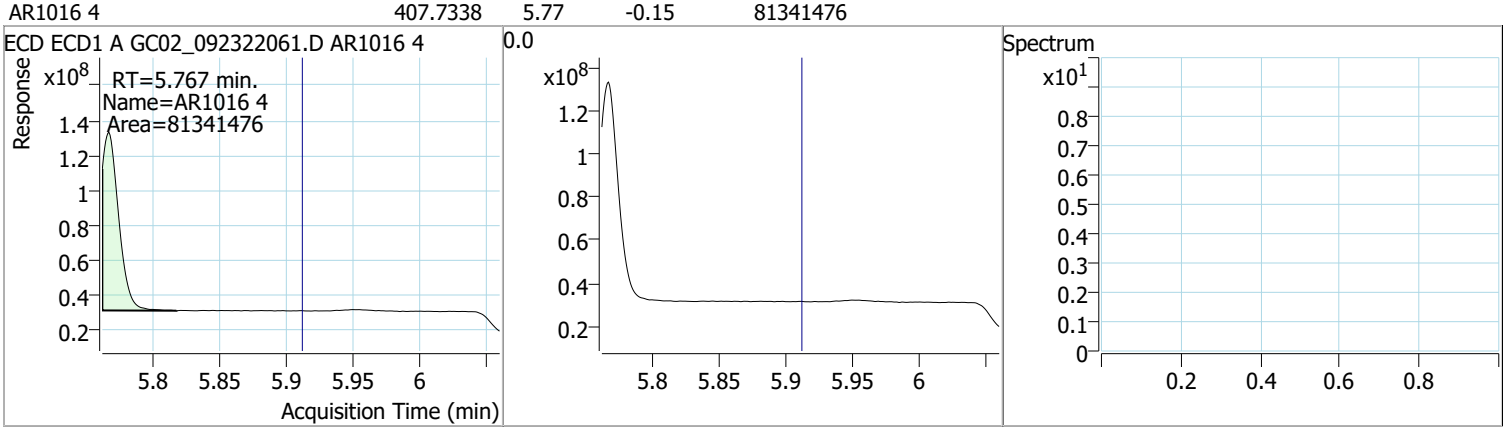
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	371.6922	5.77	-0.02	112229123				



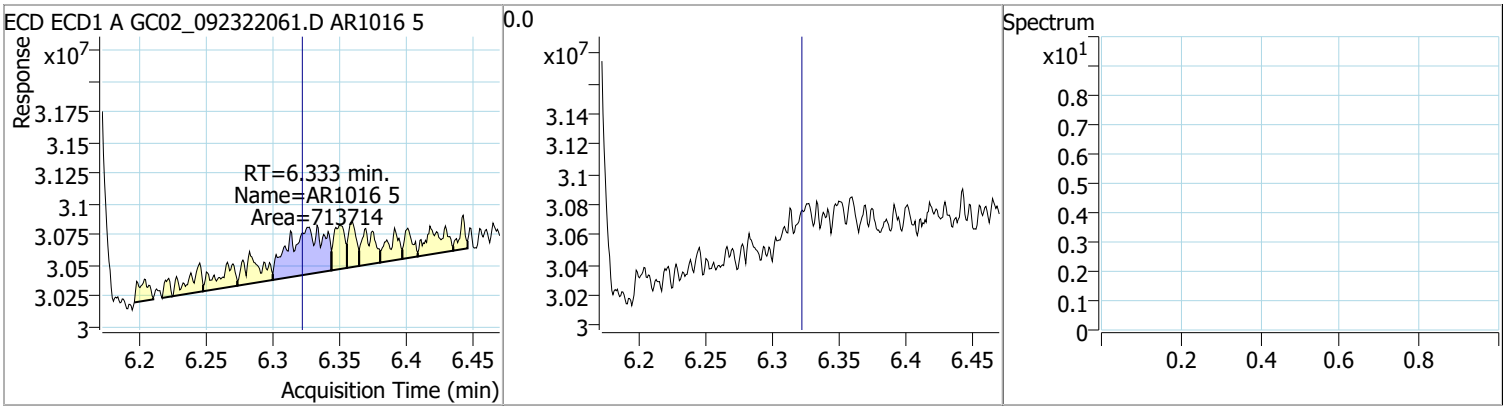
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	15.1684	5.87	0.02	199309				



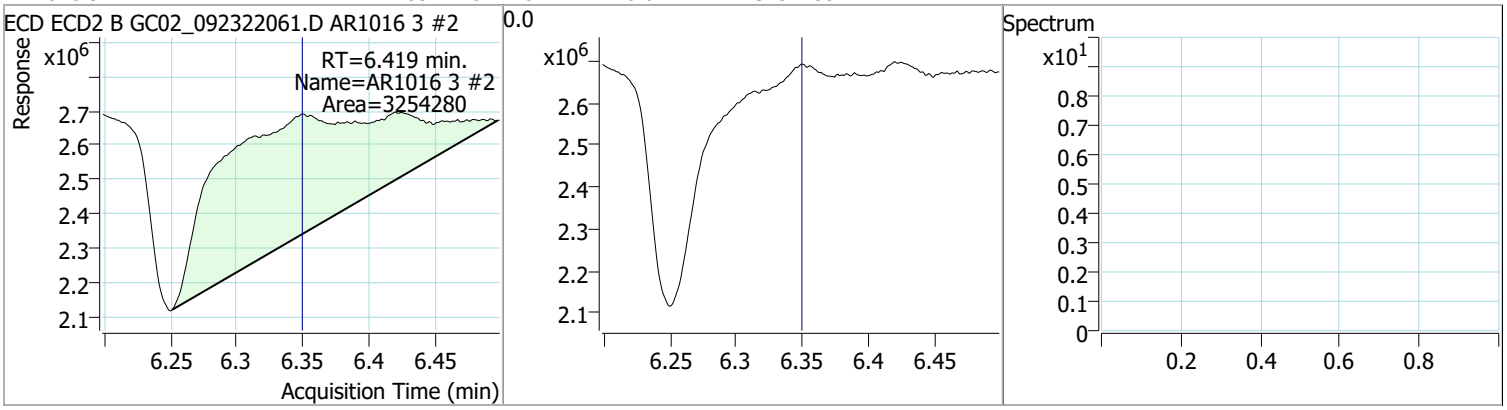
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	407.7338	5.77	-0.15	81341476				



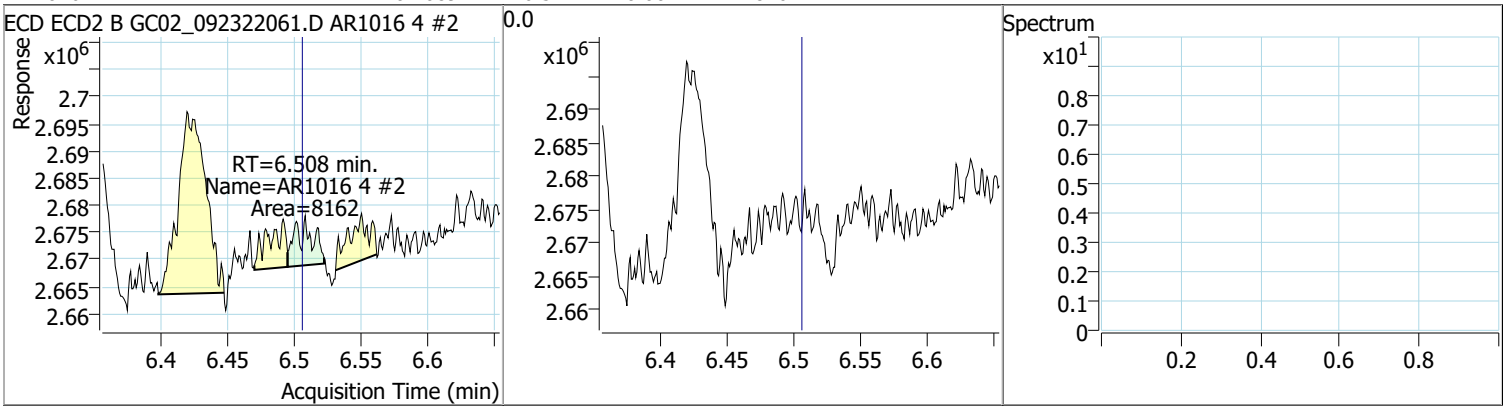
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	4.4456	6.33	0.01	713714				



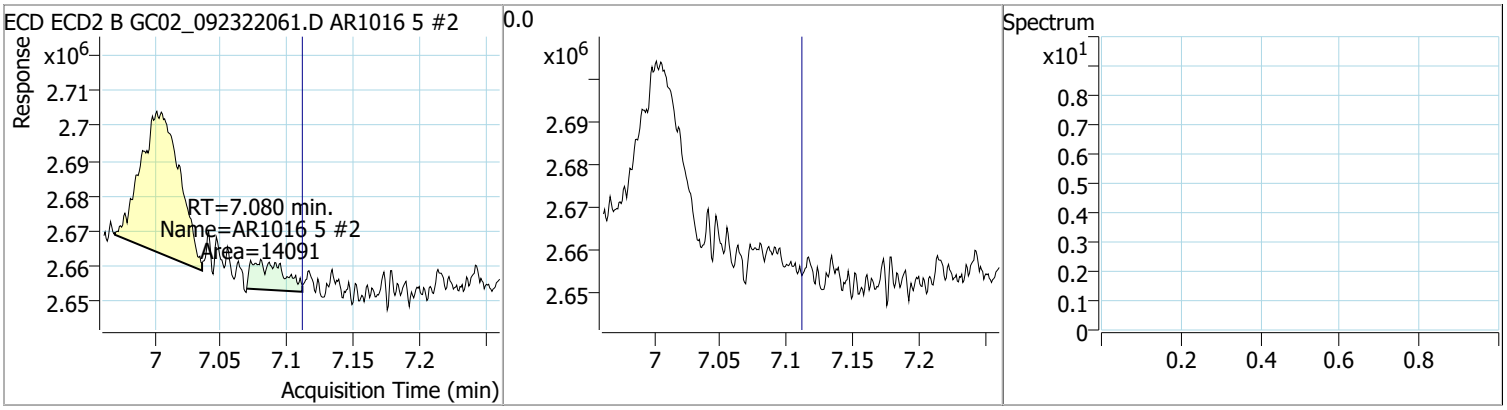
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	203.1726	6.42	0.07	3254280				



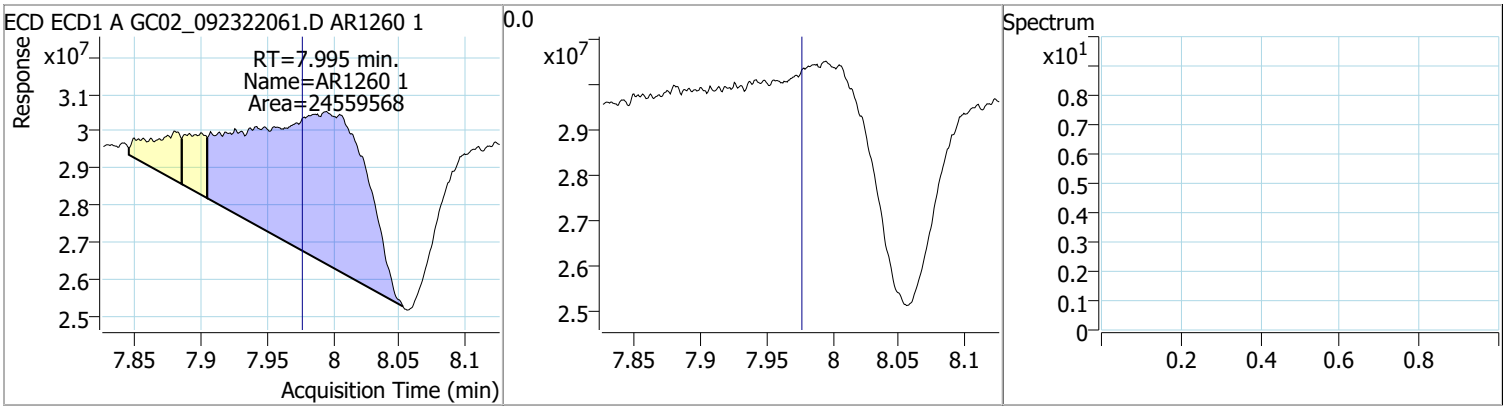
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.7089	6.51	0.00	8162				



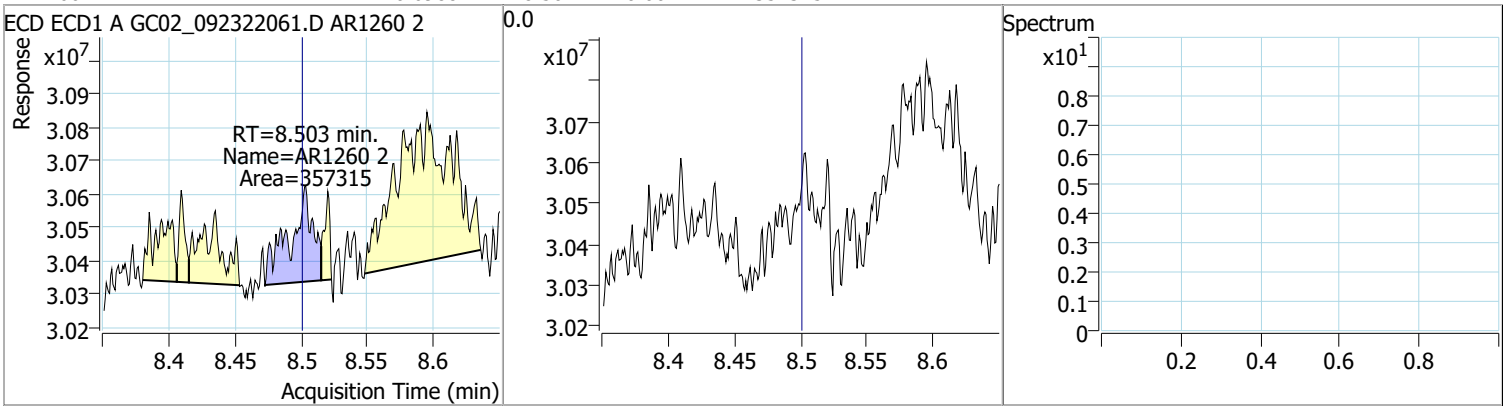
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.4287	7.08	-0.03	14091				



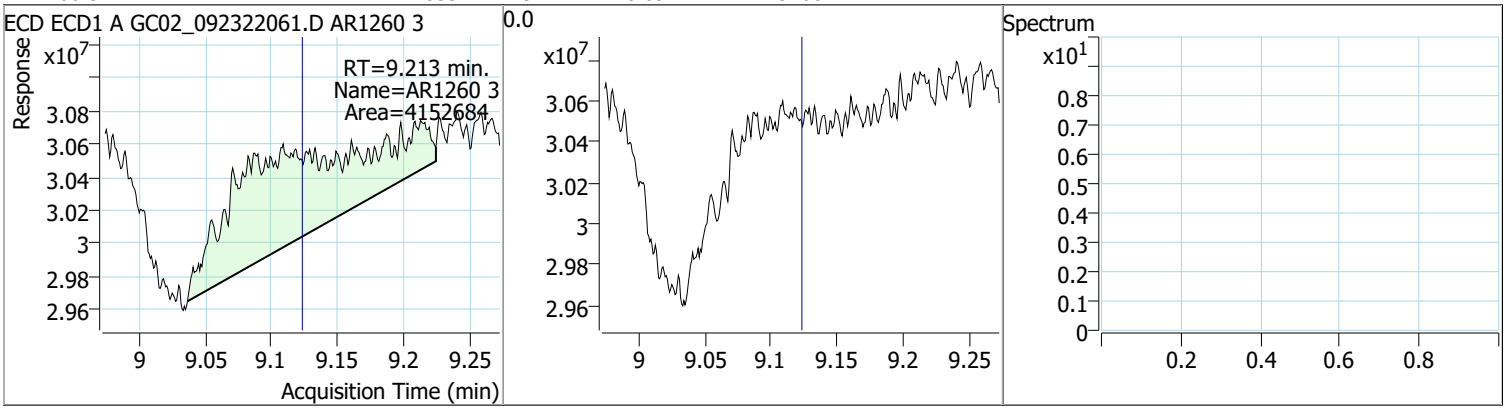
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	77.8303	7.99	0.02	24559568				



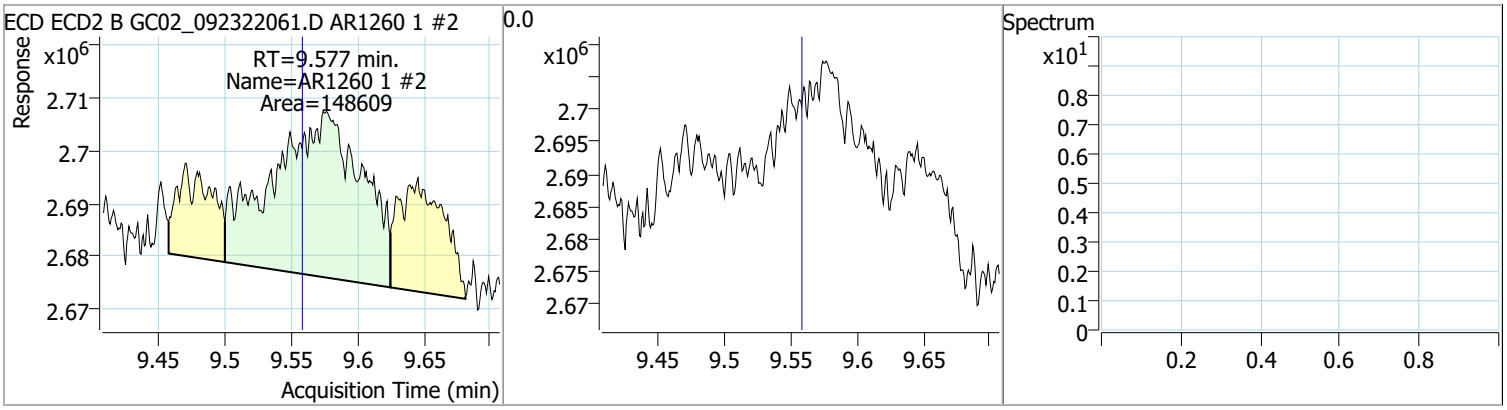
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.6988	8.50	0.00	357315				



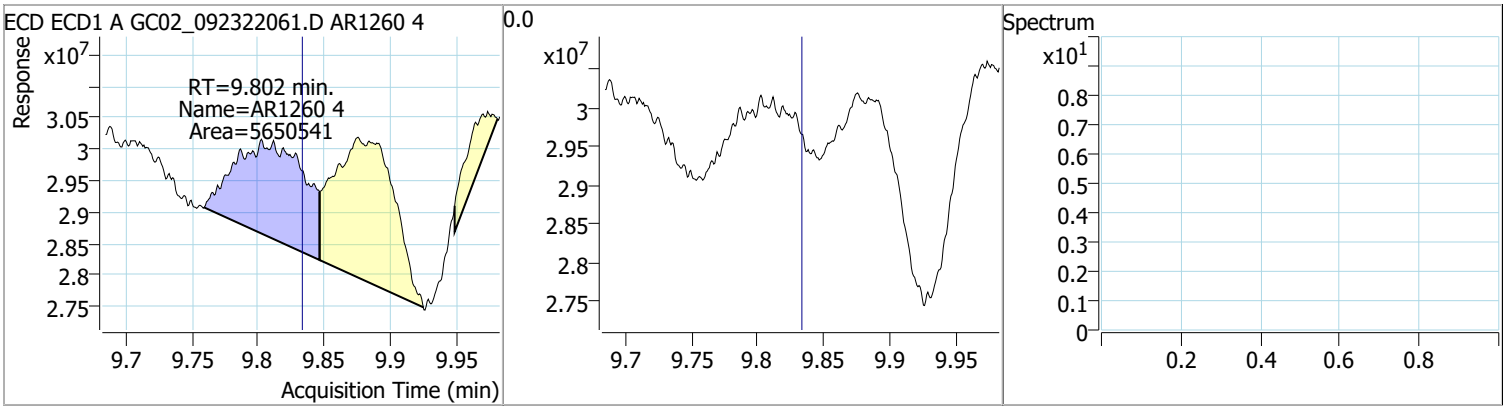
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	7.2833	9.21	0.09	4152684				



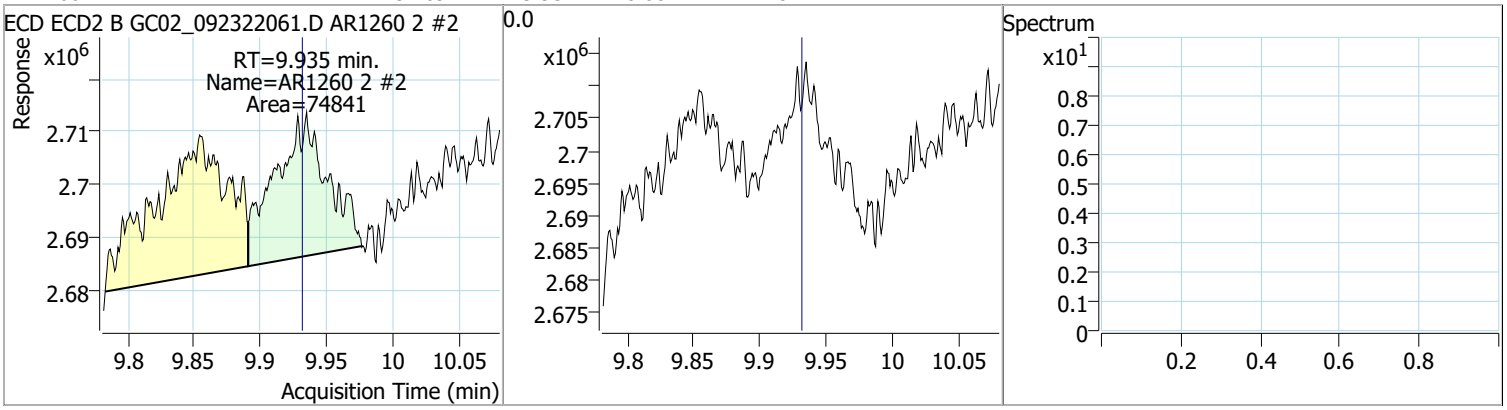
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	7.5714	9.58	0.02	148609				



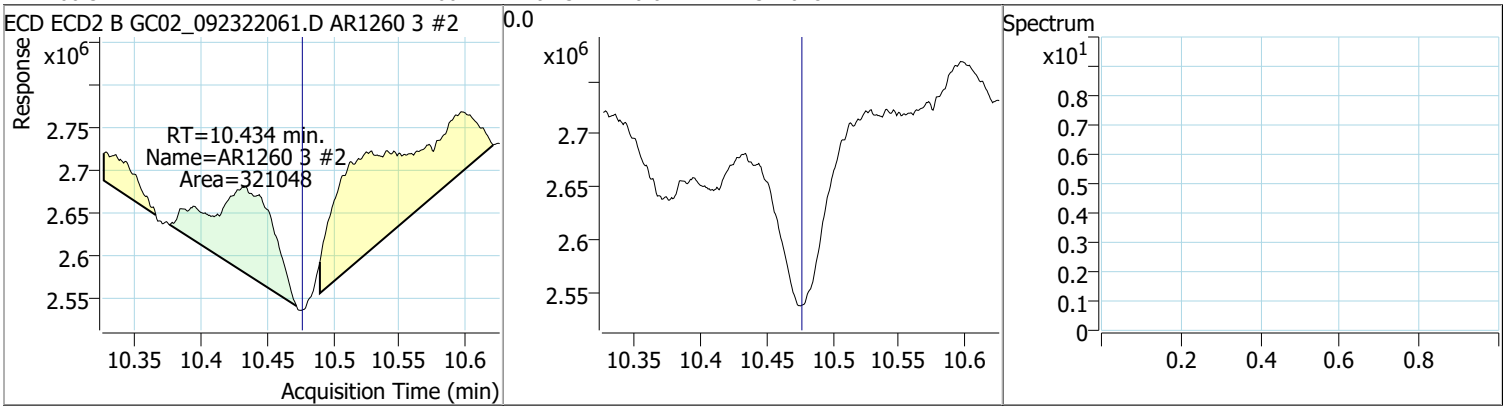
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	17.7218	9.80	-0.03	5650541				



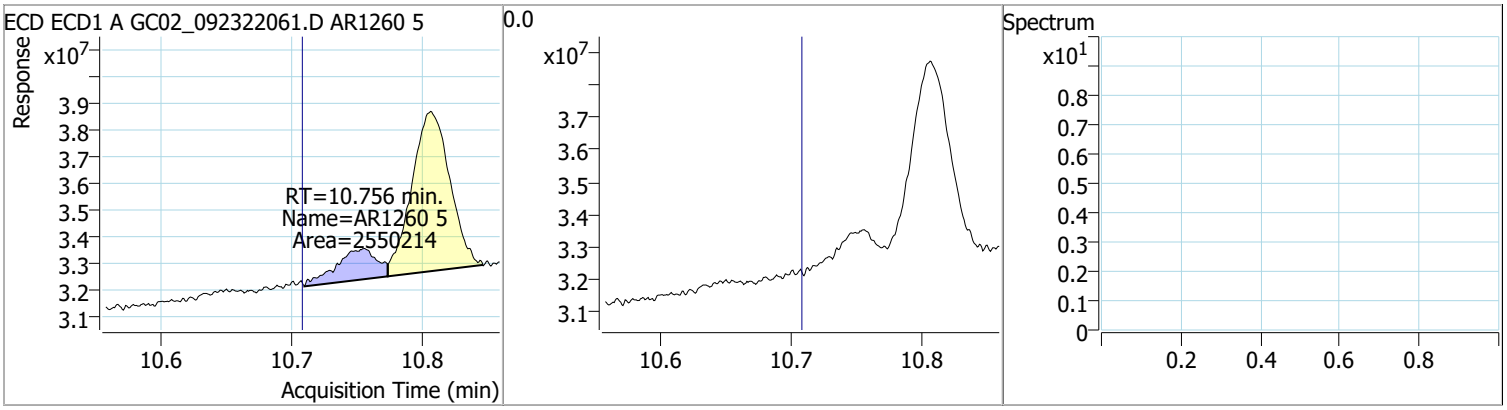
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.2697	9.93	0.00	74841				



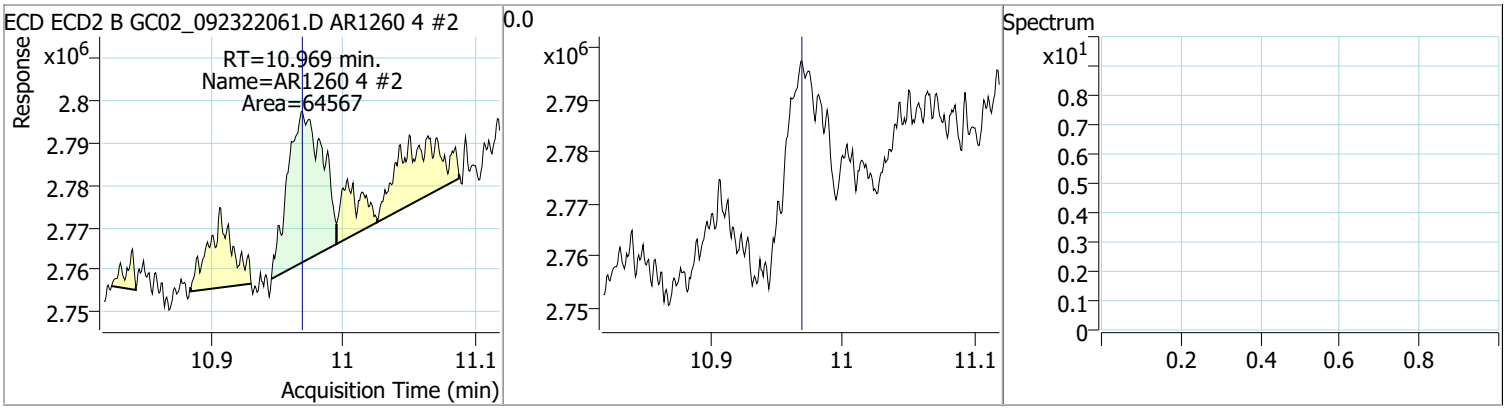
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.4662	10.43	-0.04	321048				



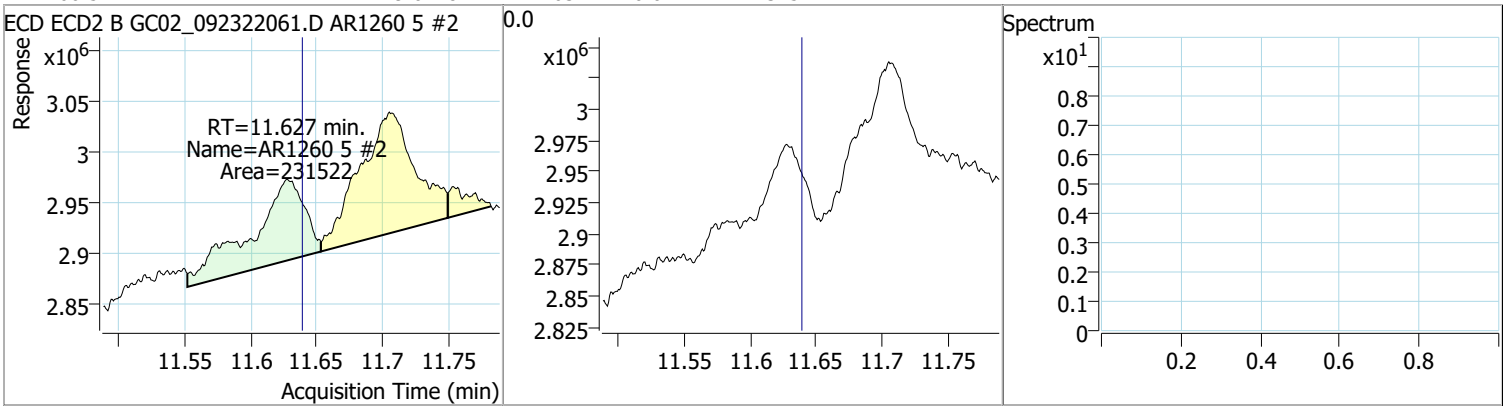
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	5.8303	10.76	0.05	2550214				



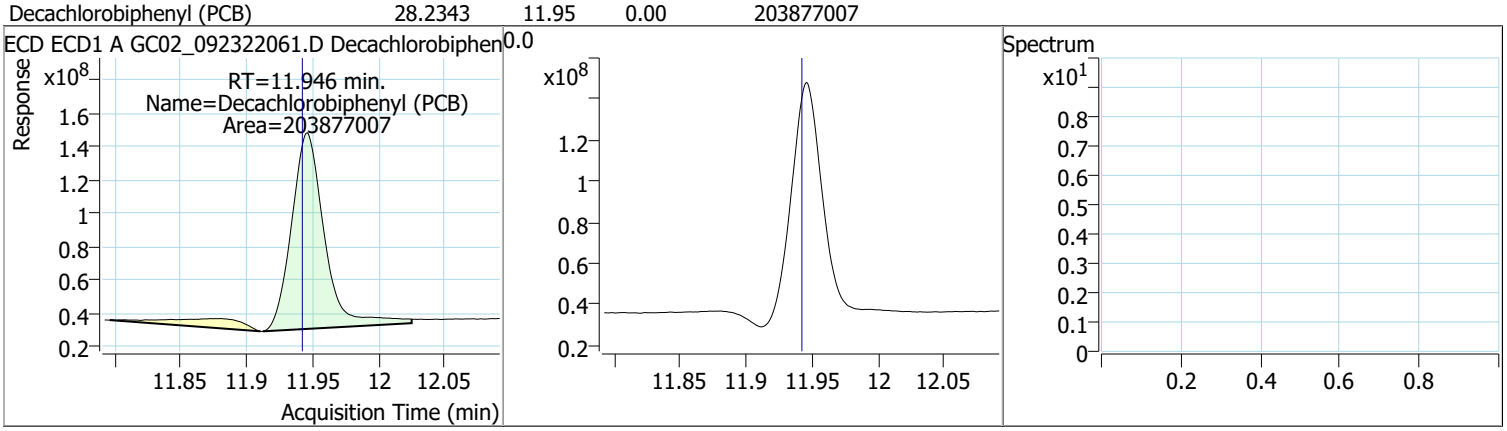
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	3.7780	10.97	0.00	64567				



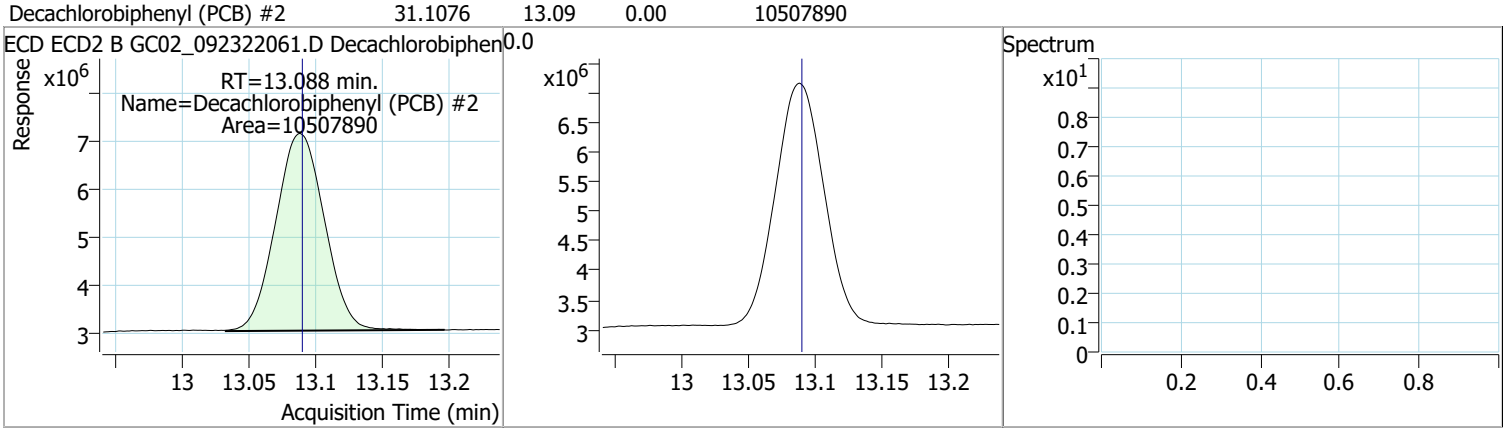
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	9.0278	11.63	-0.01	231522				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.2343	11.95	0.00	203877007				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.1076	13.09	0.00	10507890				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC02	Lab ID:	469273-022	Client ID:	AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-P-WF
Seqnum:	212383934062	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc02_092322-062	Batch:	297417	Time:	24-SEP-2022 04:33
Cal:	212383934001	Caldate:	23-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	44.29	ND	0.76	15%	1.0		u
Aroclor-1016 Peak # 1	B	5.261	0.11	0.98	161%			
Aroclor-1016 Peak # 2	B	19.52	0.39	1.04	91%			
Aroclor-1016 Peak # 3	B	193.3	3.87	1.12	110%			
Aroclor-1016 Peak # 4	B	2.918	0.06	0.47	156%			
Aroclor-1016 Peak # 5	B	0.4967	0.01	0.19	180%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	10.76	ND	0.64	100%	1.0		u
Aroclor-1260 Peak # 1	B	5.049	0.10	2.00	181%			
Aroclor-1260 Peak # 2	B	9.810	0.20	0.02	157%			
Aroclor-1260 Peak # 3	B	23.57	0.47	0.00	196%			
Aroclor-1260 Peak # 4	B	5.047	0.10	1.04	165%			
Aroclor-1260 Peak # 5	B	10.30	0.21	0.14	41%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	34.80	1.000	0.6960	70	52-186	c+ u
Decachlorobiphenyl (PCB)	B	28.63	1.000	0.5726	57	50-150	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_092322-038)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	6643719	6011806	-9.51
1-bromo-2-nitrobenzene (PCB)	A	215524364	145553027	-32.47

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

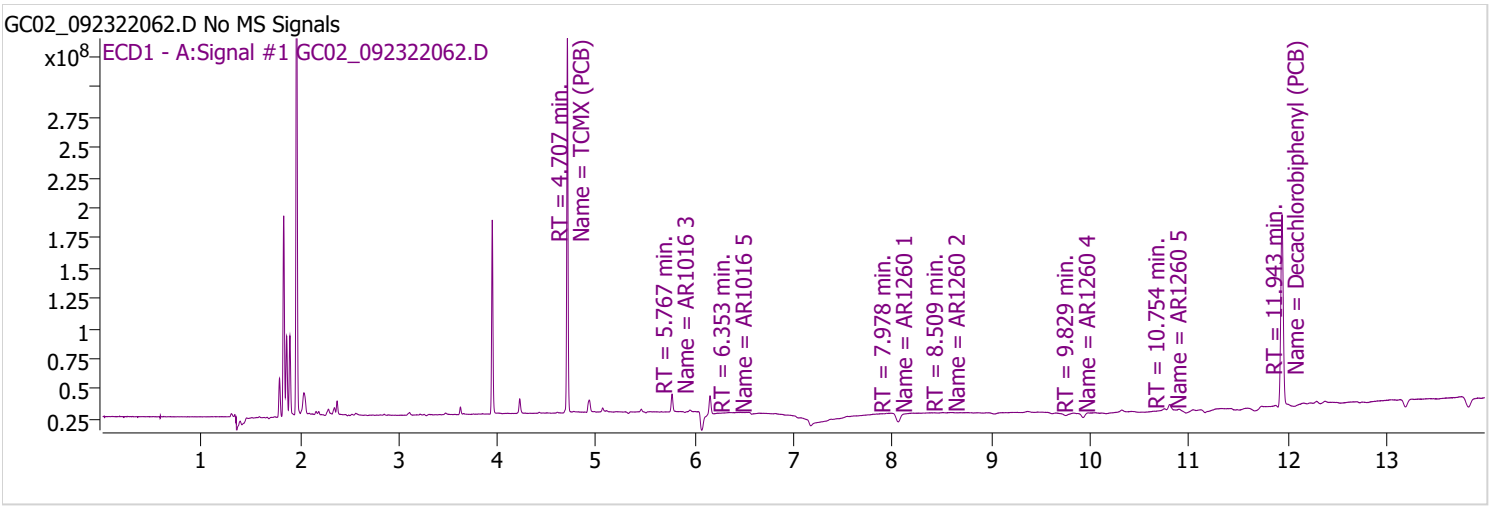
ISTD (CCV gc02_092322-038)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

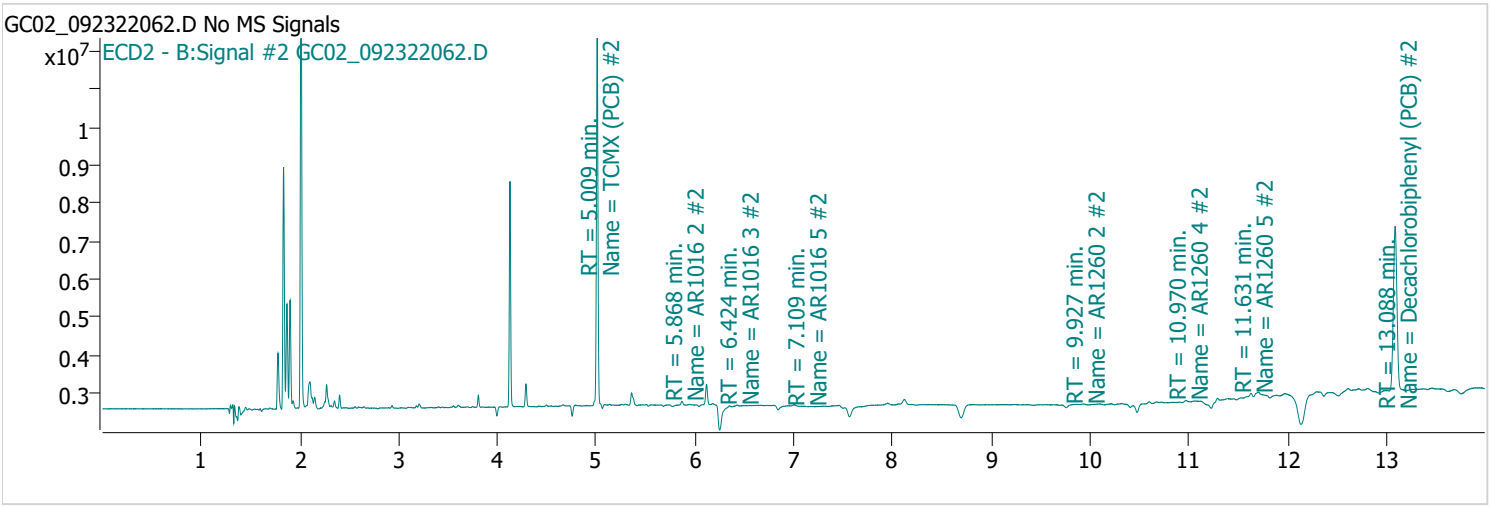
Analyst: TRN 09/26/22

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092322062.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/24/2022 4:33:44 AM
Sample Name	469273-022, 297417, 1	Instrument	SVOA-GC02
Vial	48	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	WIPE/1DM2-20ML//rr
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB2.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



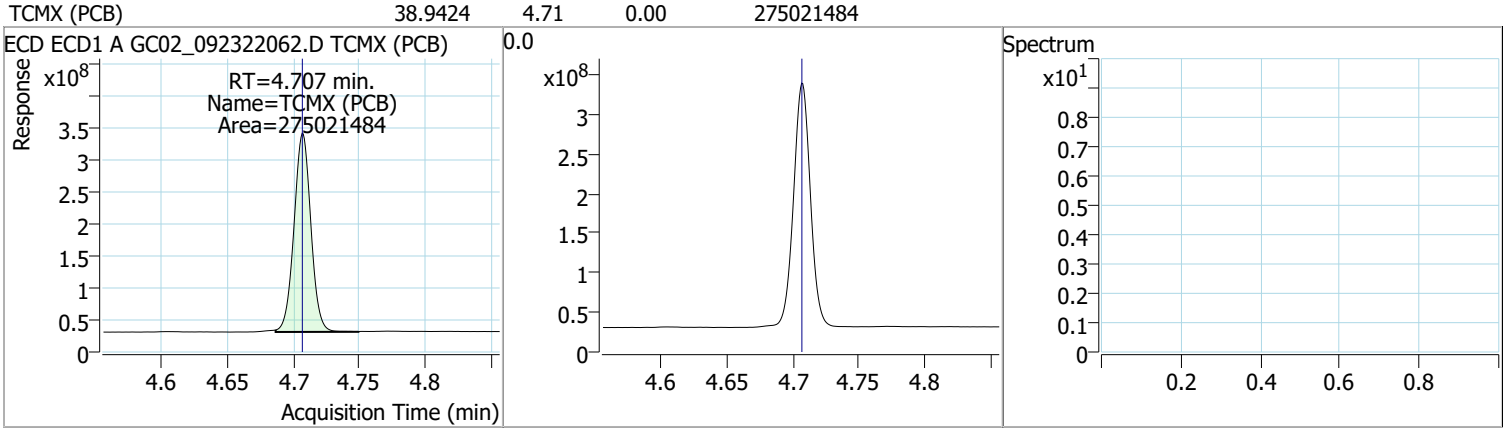


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.947	0.0	145553026.873	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	6011806.023	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.707	0.0	275021483.774	38.9424	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.71%		*	
S TCMX (PCB) #2	5.009	0.0	10862959.414	34.8022	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 174.01%		*	
S Decachlorobiphenyl (PCB)	11.943	0.0	275530819.442	32.6414	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.21%		*	
S Decachlorobiphenyl (PCB) #2	13.088	0.0	11117588.424	28.6280	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 143.14%			
Target Compounds							QValue

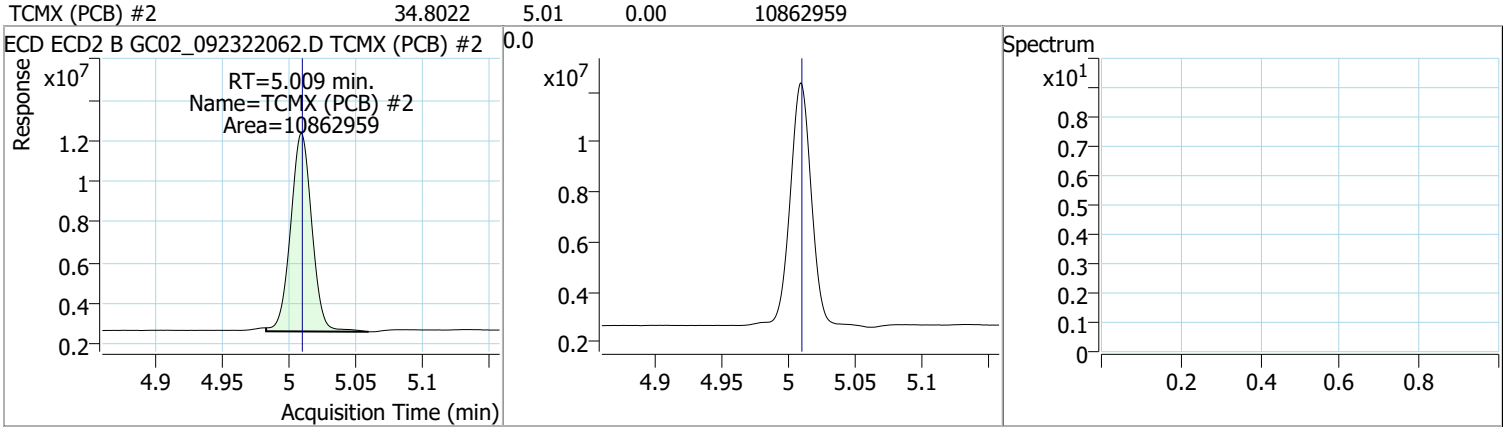
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.063	0.0	5206531.501	49.0766	ng/ml	100
T AR1016 2	5.456	0.0	11849164.298	51.8066	ng/ml	100
T AR1016 1 #2	5.442	0.0	37815.393	5.2616	ng/ml	100
T AR1016 3	5.767	0.0	19740510.531	55.9275	ng/ml	100
T AR1016 2 #2	5.868	0.0	294893.858	19.5213	ng/ml	100
T AR1016 4	5.950	0.0	5530352.872	23.7141	ng/ml	100
T AR1016 5	6.353	0.0	1752388.779	9.3375	ng/ml	100
T AR1016 3 #2	6.424	0.0	3558668.952	193.2539	ng/ml	100
T AR1016 4 #2	6.495	0.0	38623.695	2.9180	ng/ml	100
T AR1016 5 #2	7.109	0.0	5632.223	0.4967	ng/ml	100
T AR1260 1	7.978	0.0	36972872.691	100.2306	ng/ml	100
T AR1260 2	8.509	0.0	699831.855	1.1707	ng/ml	100
T AR1260 3	8.982	0.0	142083.399	0.2132	ng/ml	100
T AR1260 1 #2	9.560	0.0	113940.800	5.0494	ng/ml	100
T AR1260 4	9.829	0.0	19443673.736	52.1657	ng/ml	100
T AR1260 2 #2	9.927	0.0	258163.086	9.8106	ng/ml	100
T AR1260 3 #2	10.601	0.0	758790.613	23.5723	ng/ml	100
T AR1260 5	10.754	0.0	3474508.038	6.7951	ng/ml	100
T AR1260 4 #2	10.970	0.0	99163.153	5.0470	ng/ml	100
T AR1260 5 #2	11.631	0.0	303645.754	10.2988	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

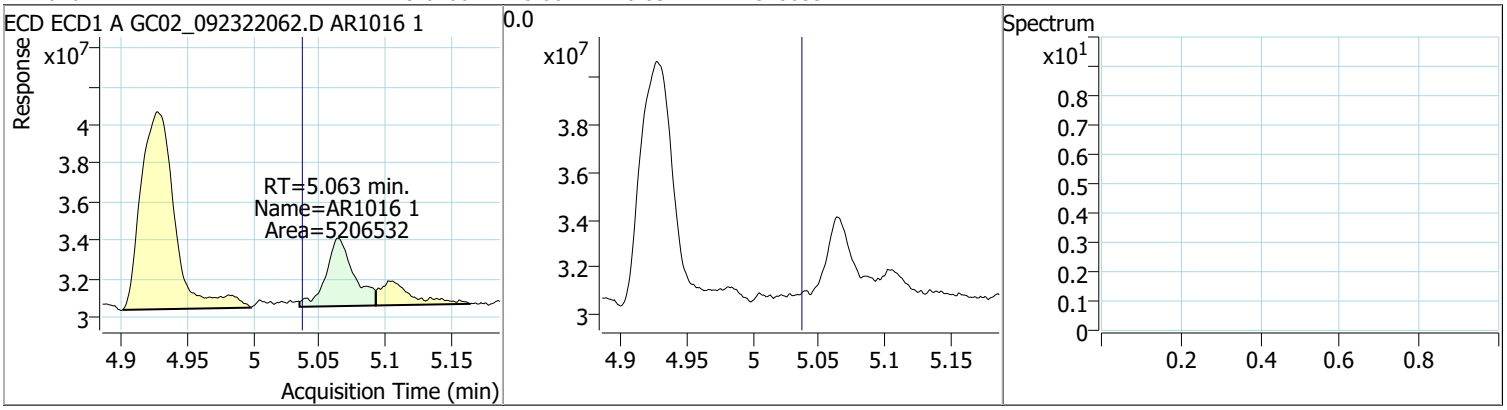
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.9424	4.71	0.00	275021484				



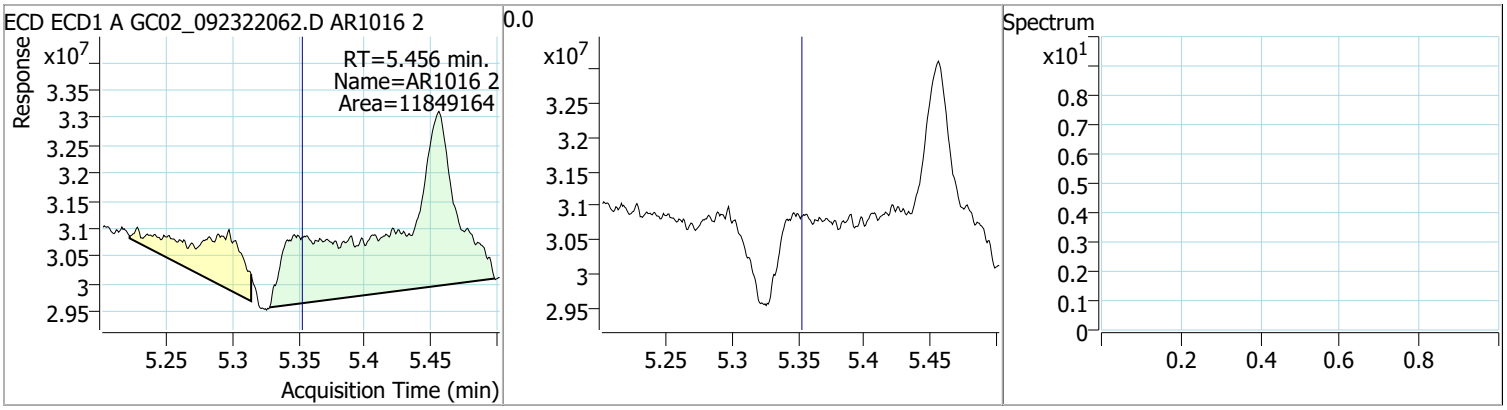
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.8022	5.01	0.00	10862959				



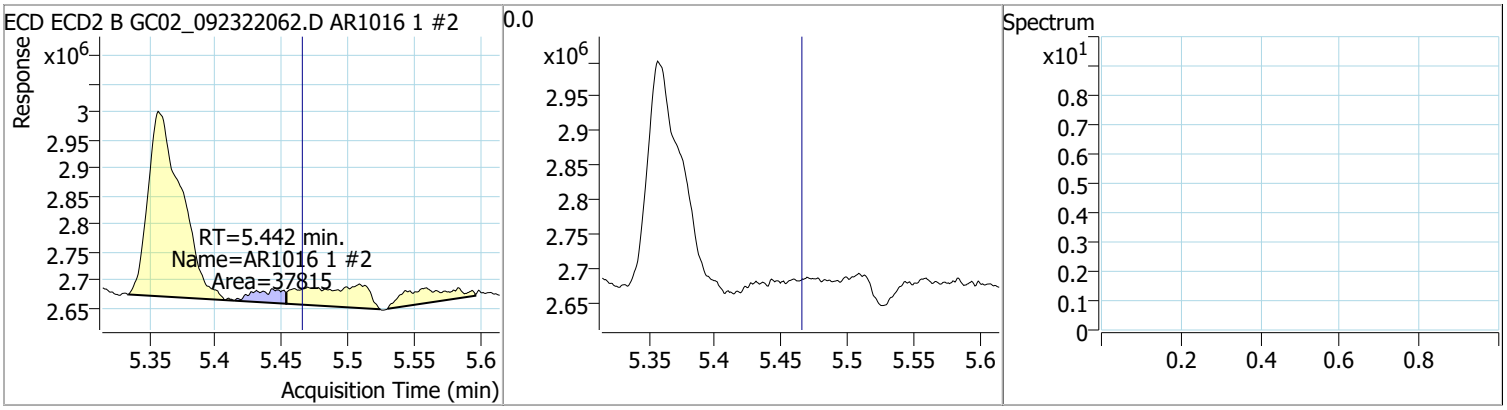
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	49.0766	5.06	0.03	5206532				



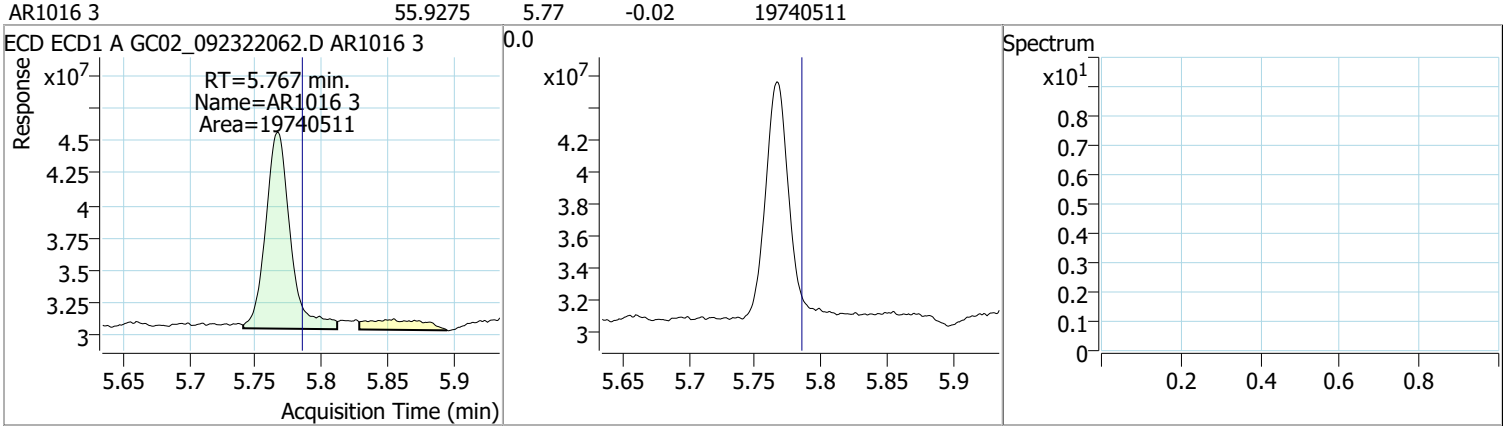
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	51.8066	5.46	0.10	11849164				



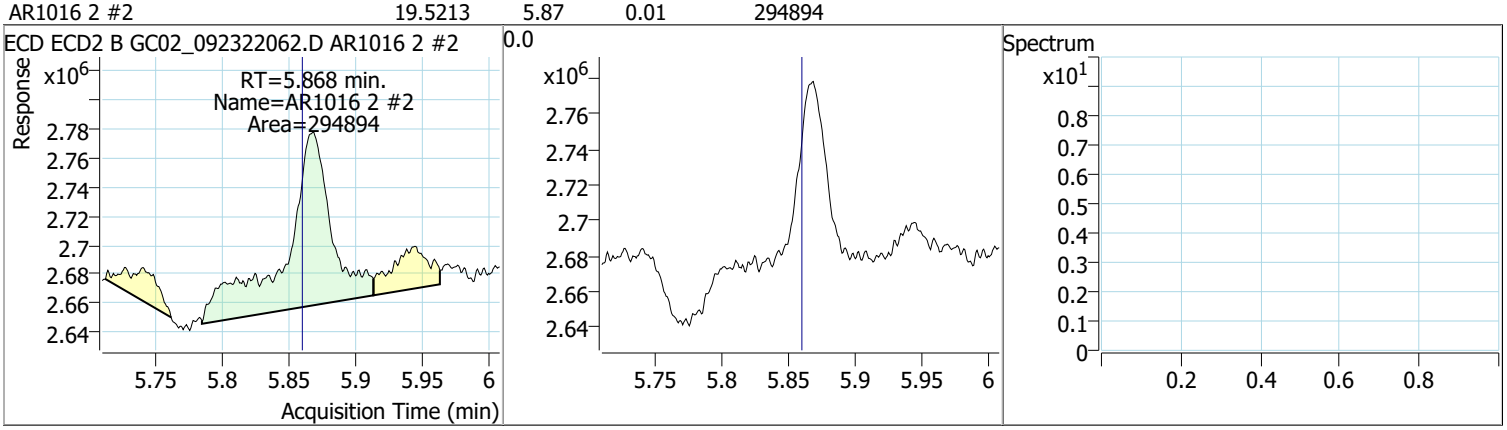
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.2616	5.44	-0.02	37815				



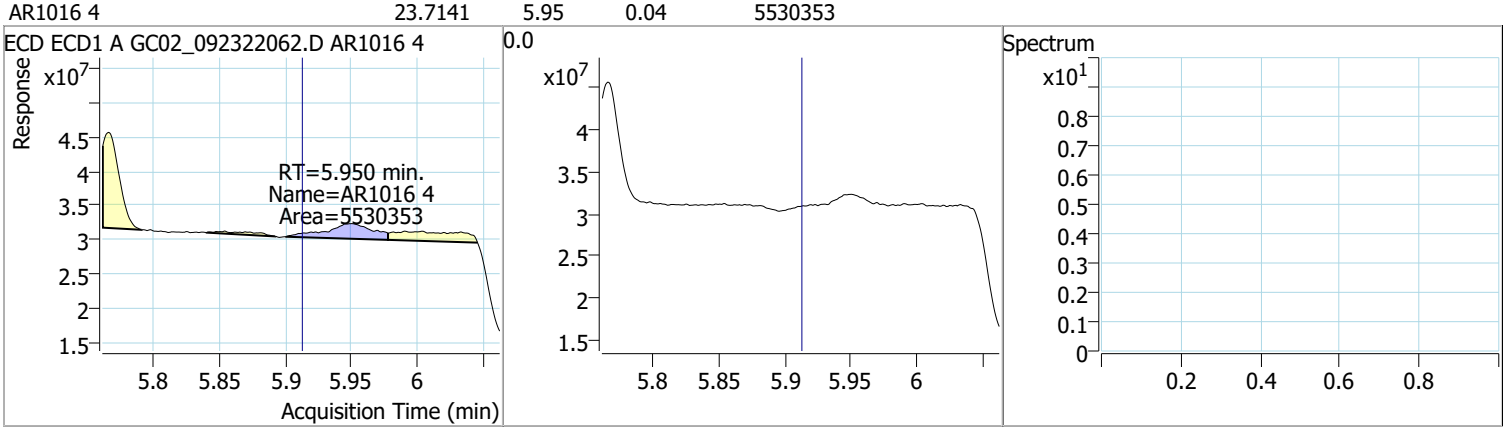
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	55.9275	5.77	-0.02	19740511				



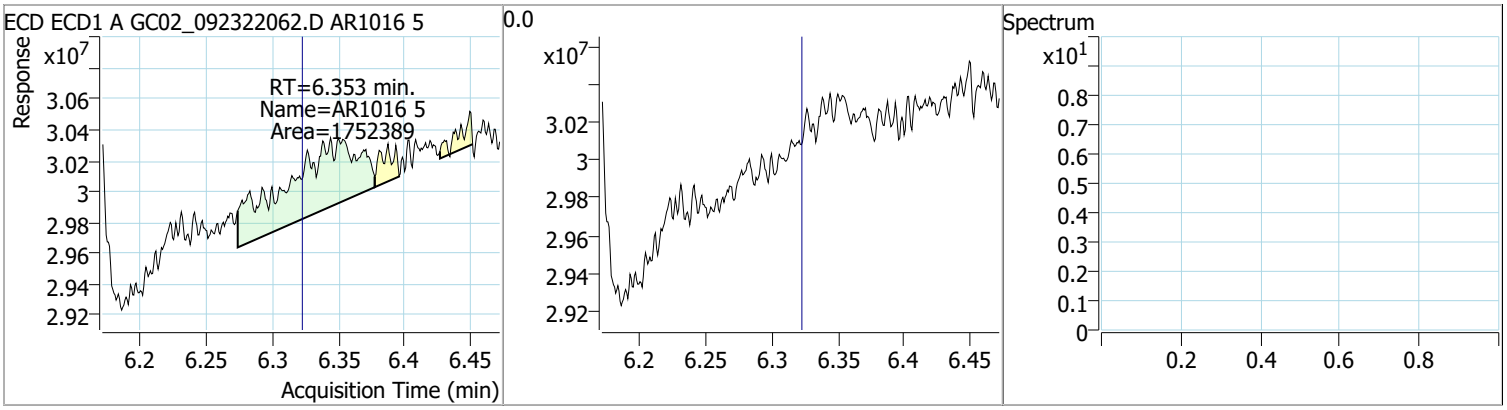
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	19.5213	5.87	0.01	294894				



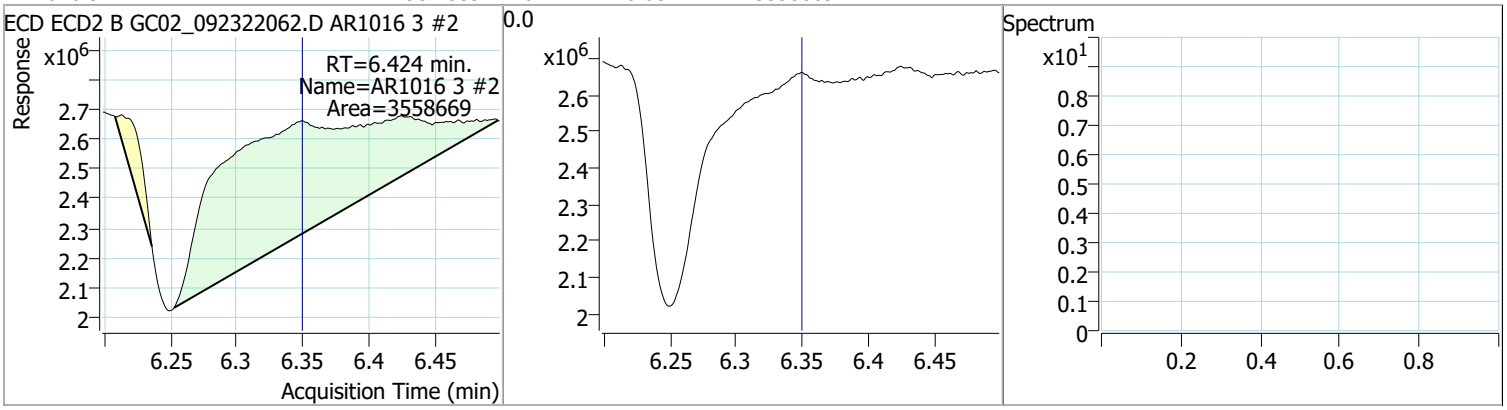
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	23.7141	5.95	0.04	5530353				



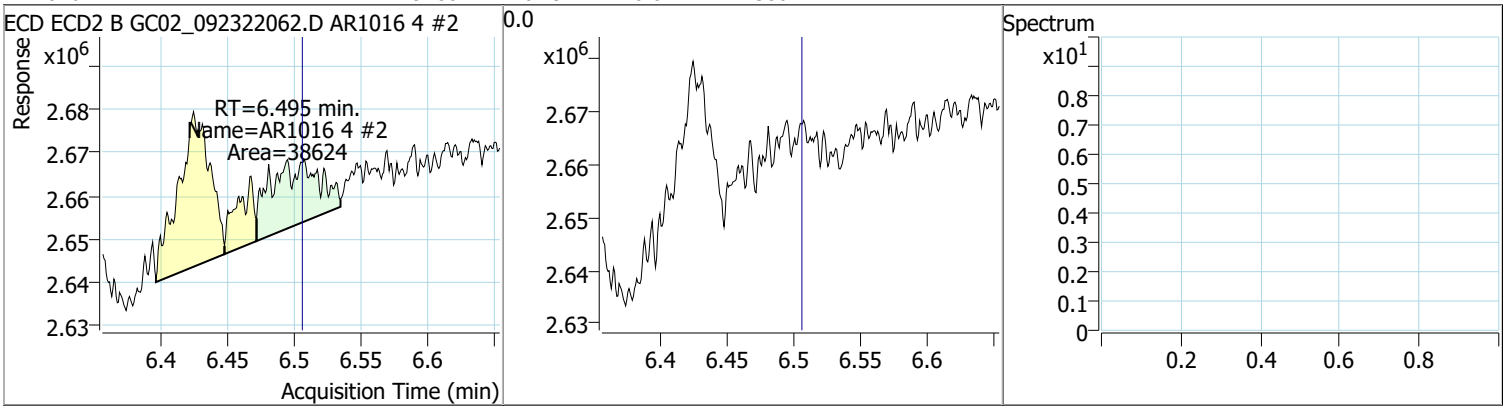
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	9.3375	6.35	0.03	1752389				



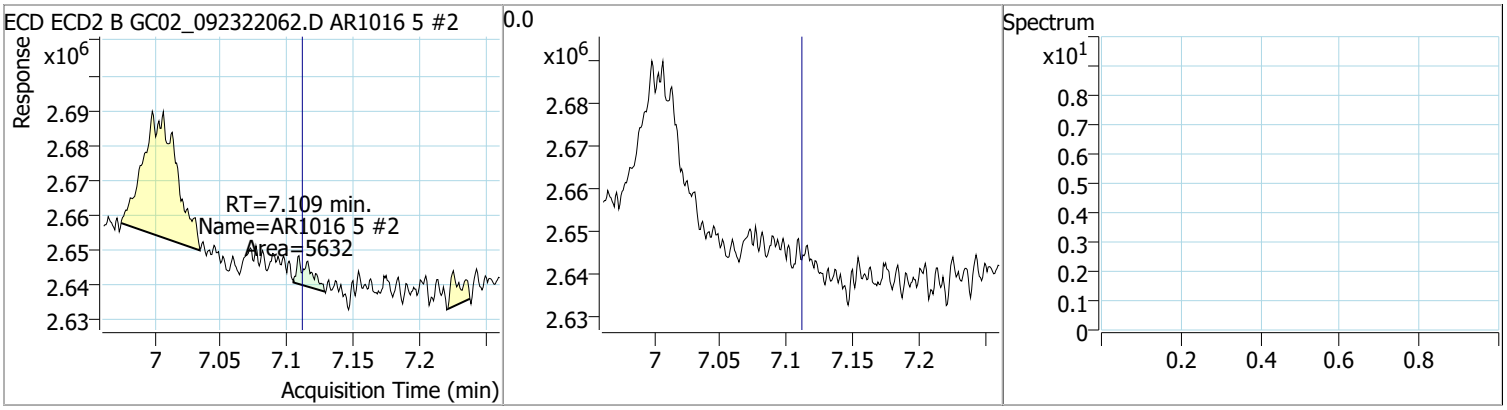
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	193.2539	6.42	0.08	3558669				



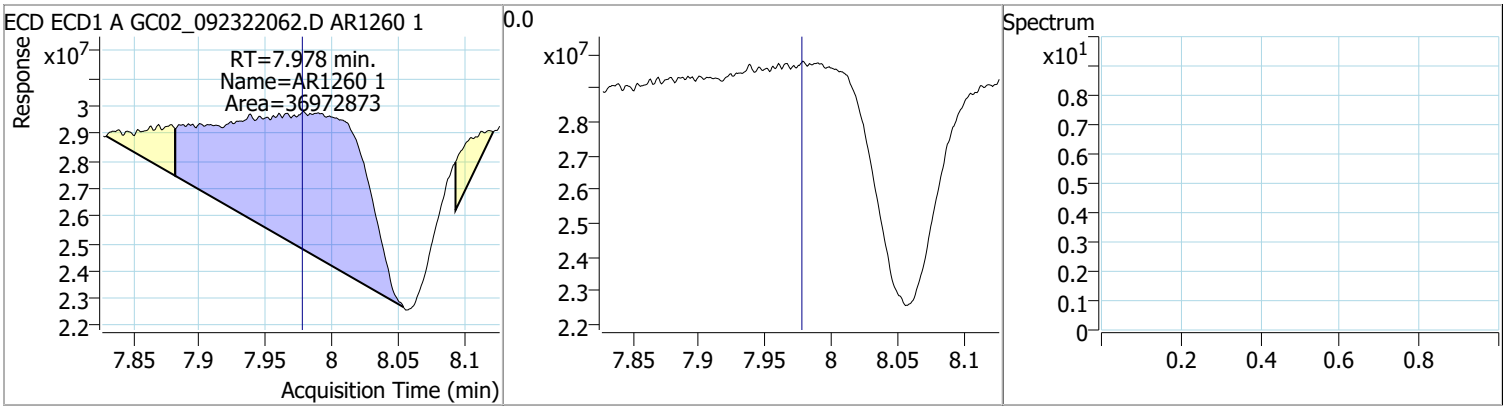
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.9180	6.49	-0.01	38624				



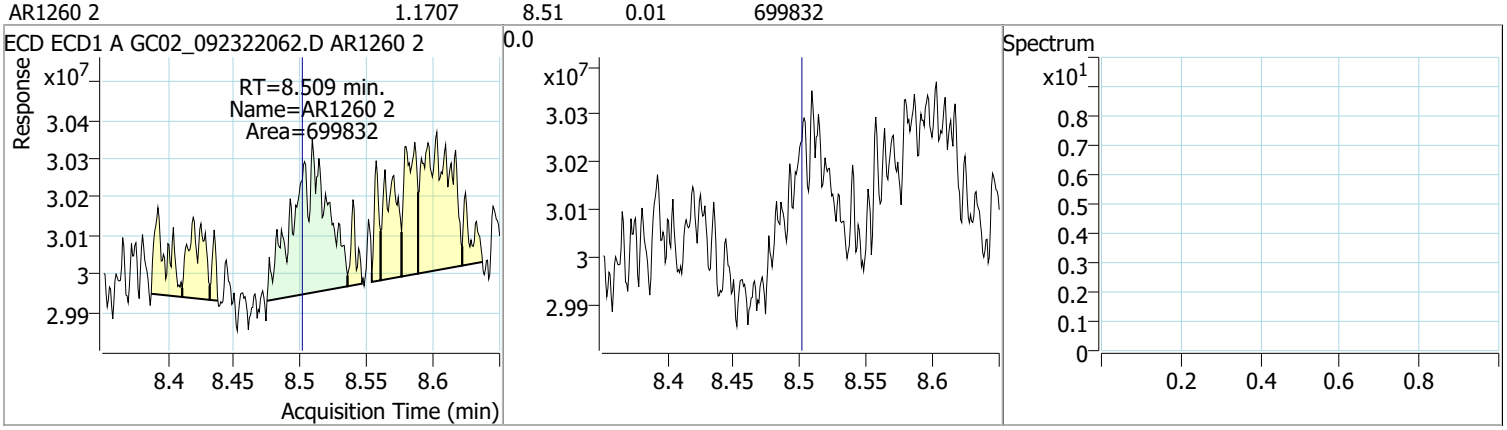
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.4967	7.11	0.00	5632				



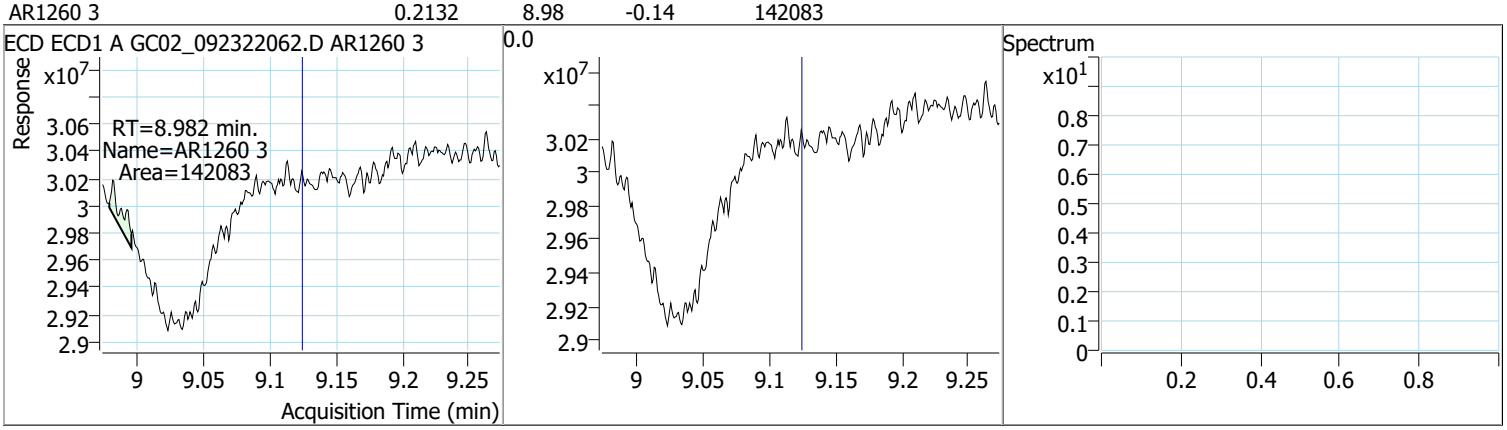
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	100.2306	7.98	0.00	36972873				



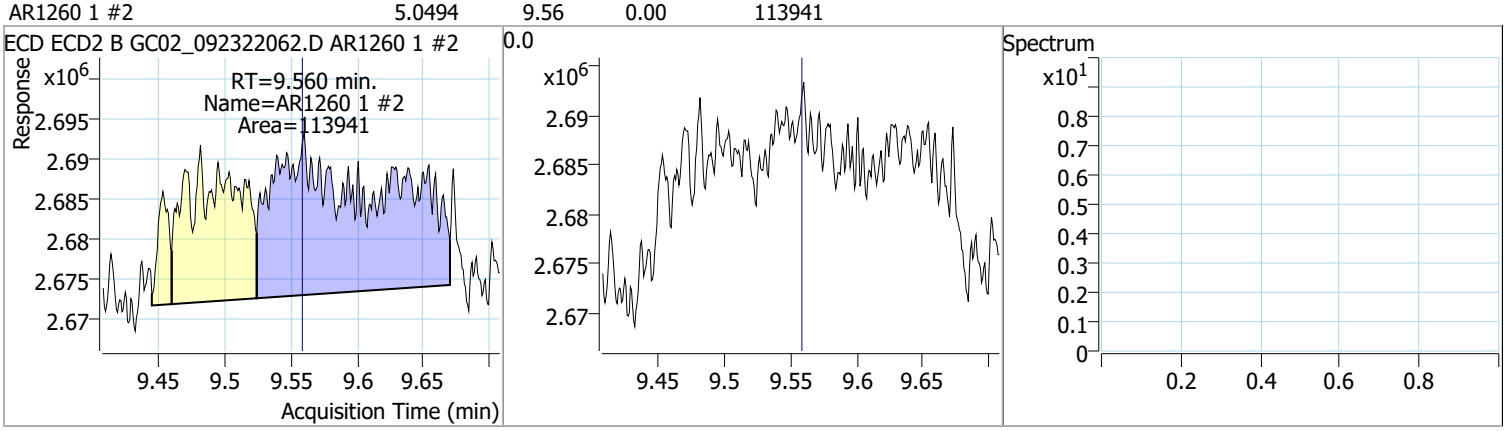
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.1707	8.51	0.01	699832				



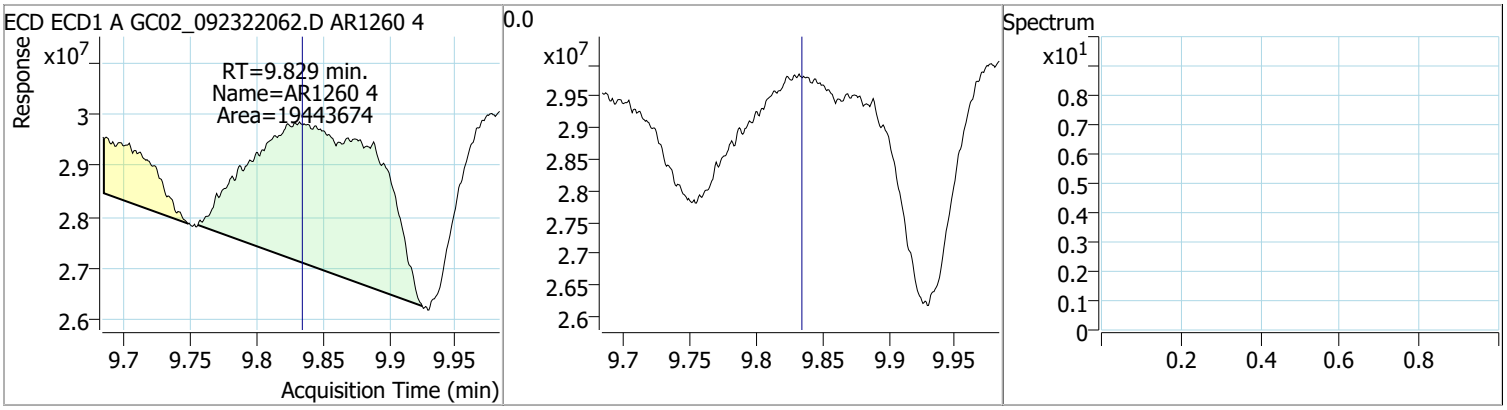
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AR1260 3	0.2132	8.98	-0.14	142083				



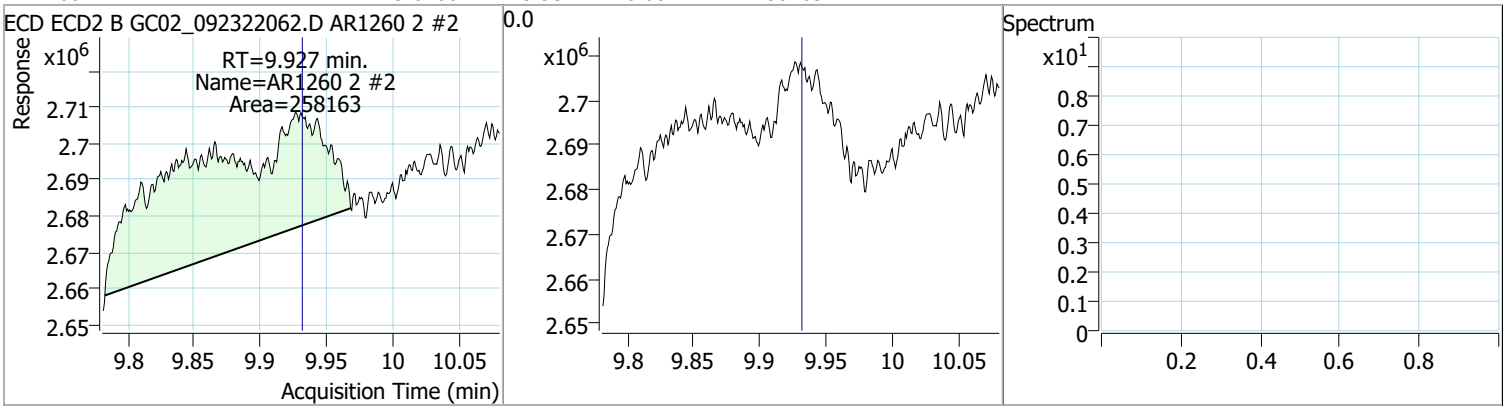
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.0494	9.56	0.00	113941				



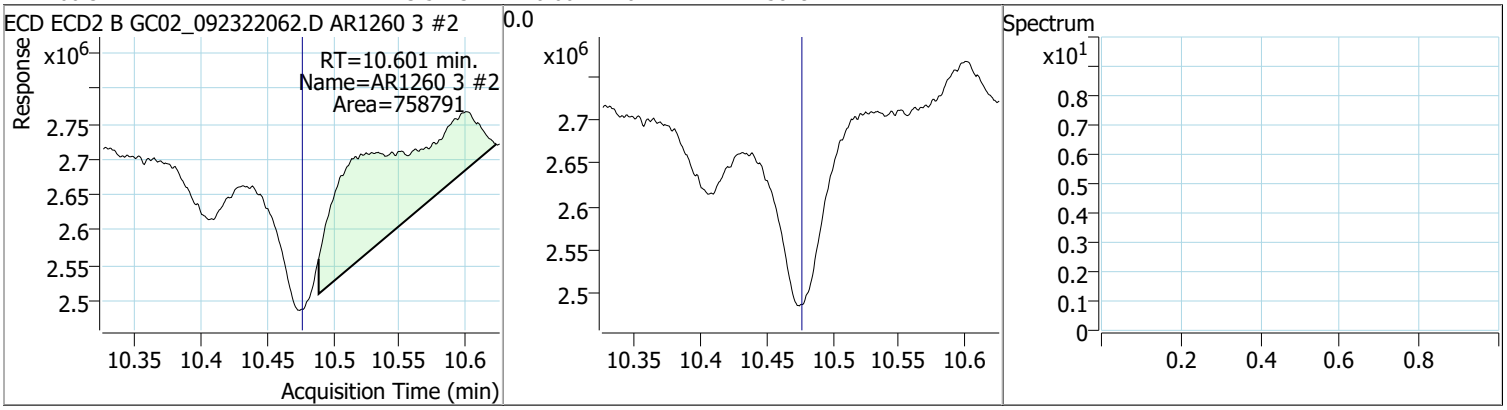
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	52.1657	9.83	0.00	19443674				



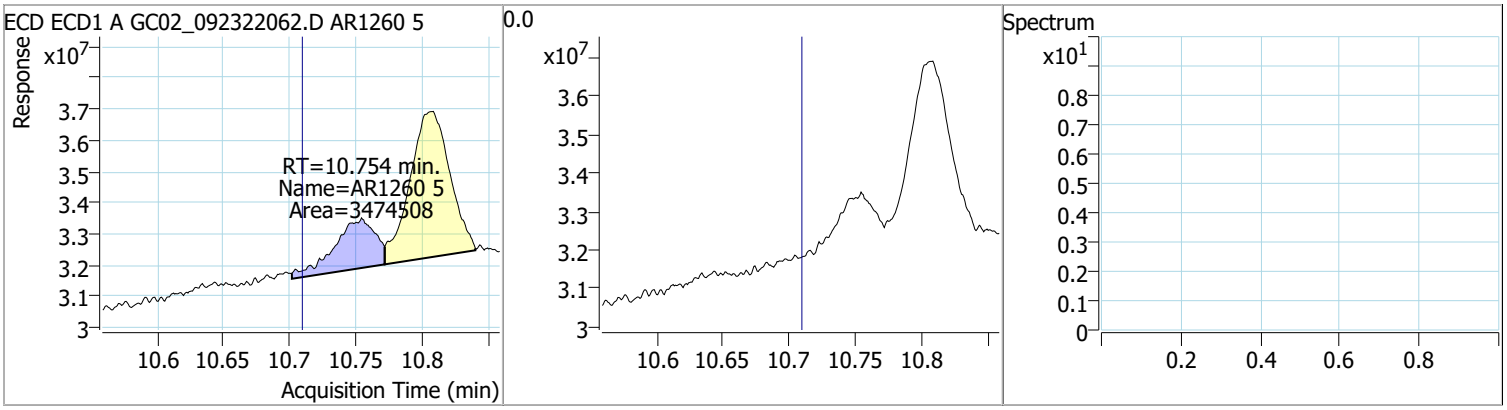
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	9.8106	9.93	0.00	258163				



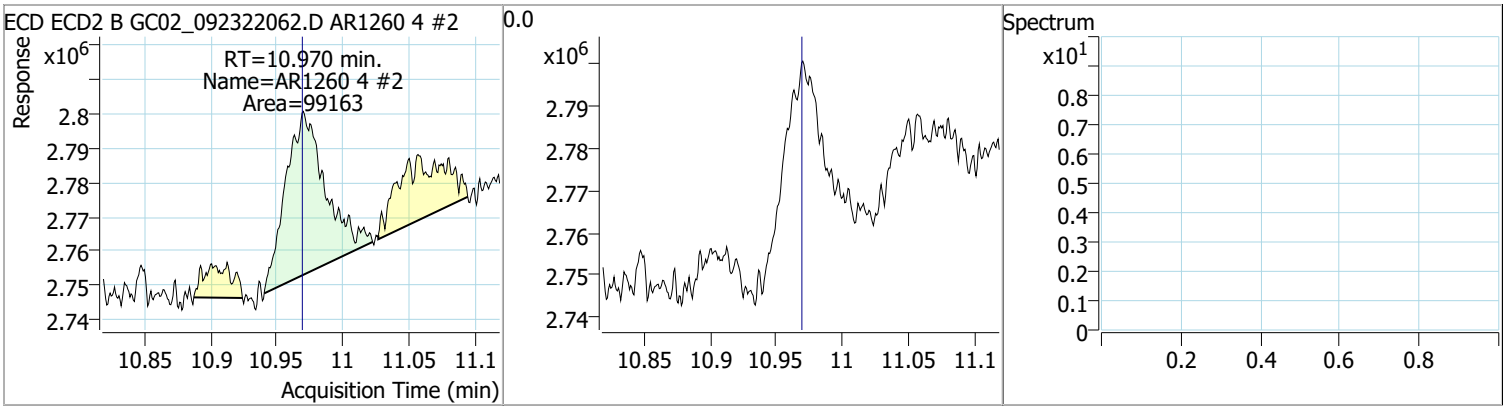
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	23.5723	10.60	0.12	758791				



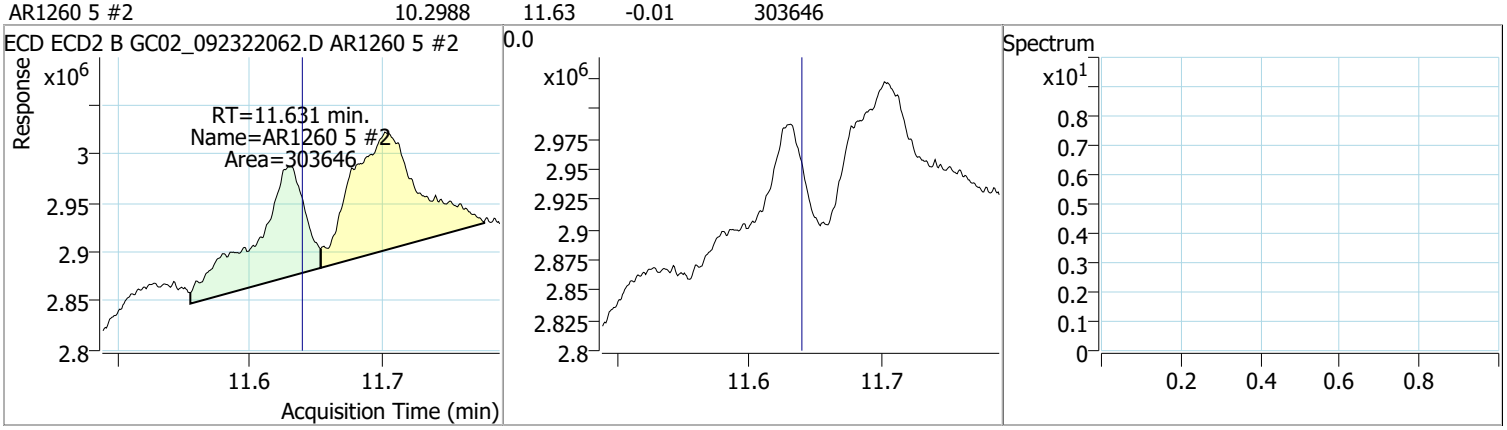
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	6.7951	10.75	0.05	3474508				



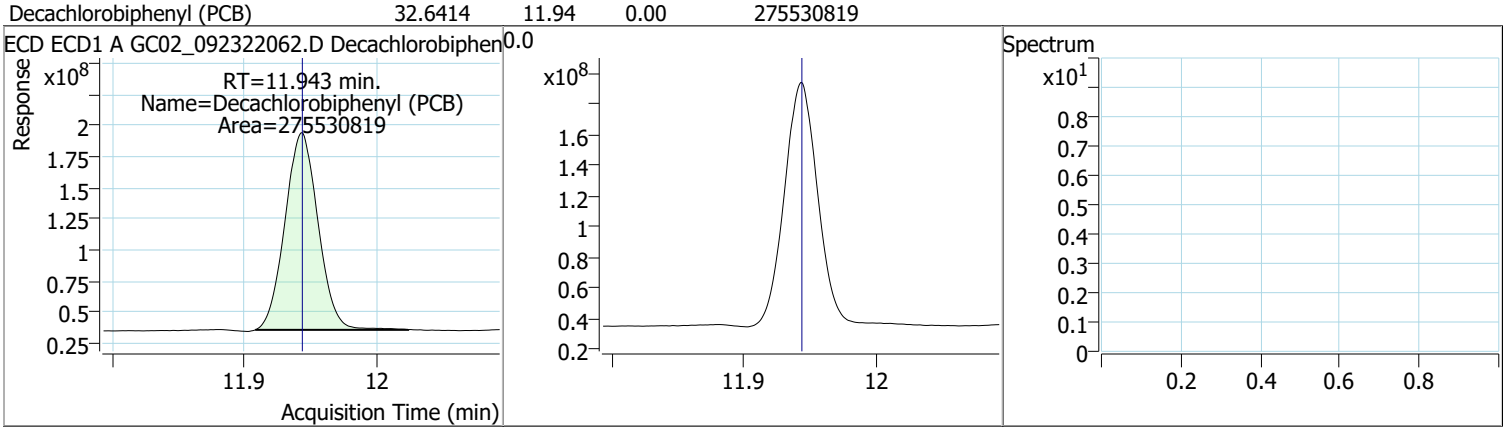
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.0470	10.97	0.00	99163				



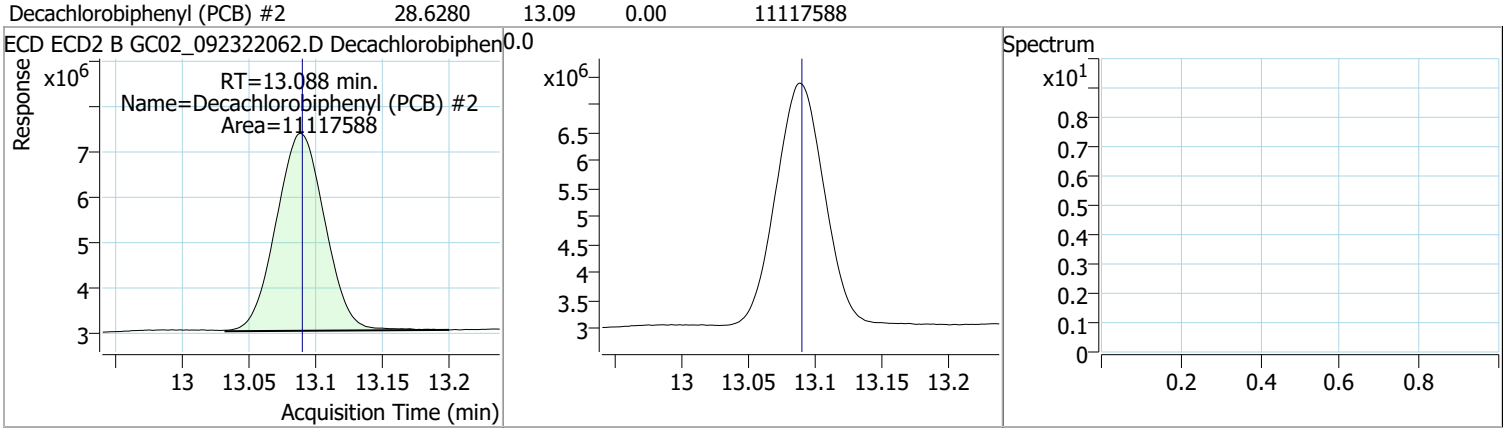
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	10.2988	11.63	-0.01	303646				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.6414	11.94	0.00	275530819				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.6280	13.09	0.00	11117588				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 469273 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02	Lab ID:	QC1014012		
Seqnum:	212379627013.2	Matrix:	Wipe		
File:	gc02_092022-013	Batch:	297328	Time:	20-SEP-2022 17:06
Cal:	212360956002	Caldate:	07-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	10.61	ND	0.15	34%	0.50	u
Aroclor-1016 Peak # 1	B	7.594	0.08	0.31	122%		
Aroclor-1016 Peak # 2	B	39.21	0.39	0.33	18%		
Aroclor-1016 Peak # 3	B	0.2093	0.00	0.02	154%		
Aroclor-1016 Peak # 4	B	5.746	0.06	0.03	66%		
Aroclor-1016 Peak # 5	B	0.2858	0.00	0.07	184%		
Aroclor-1221	B		ND			0.50	u
Aroclor-1232	B		ND			0.50	u
Aroclor-1242	B		ND			0.50	u
Aroclor-1248	B		ND			0.50	u
Aroclor-1254	B		ND			0.50	u
Aroclor-1260	B	0.9528	ND	0.11	167%	0.50	u
Aroclor-1260 Peak # 1	B	0.07345	0.00	0.00	59%		
Aroclor-1260 Peak # 2	B	0.05972	0.00	0.00	69%		
Aroclor-1260 Peak # 3	B	1.776	0.02	0.37	182%		
Aroclor-1260 Peak # 4	B	0.1229	0.00	0.03	181%		
Aroclor-1260 Peak # 5	B	2.732	0.03	0.13	132%		
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	42.61	0.5000	0.4261	85	52-186	c+ u
Decachlorobiphenyl (PCB)	B	46.32	0.5000	0.4632	93	60-140	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_092022-008)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5202550	6784016	30.40
1-bromo-2-nitrobenzene (PCB)	A	156453134	190822000	21.97

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

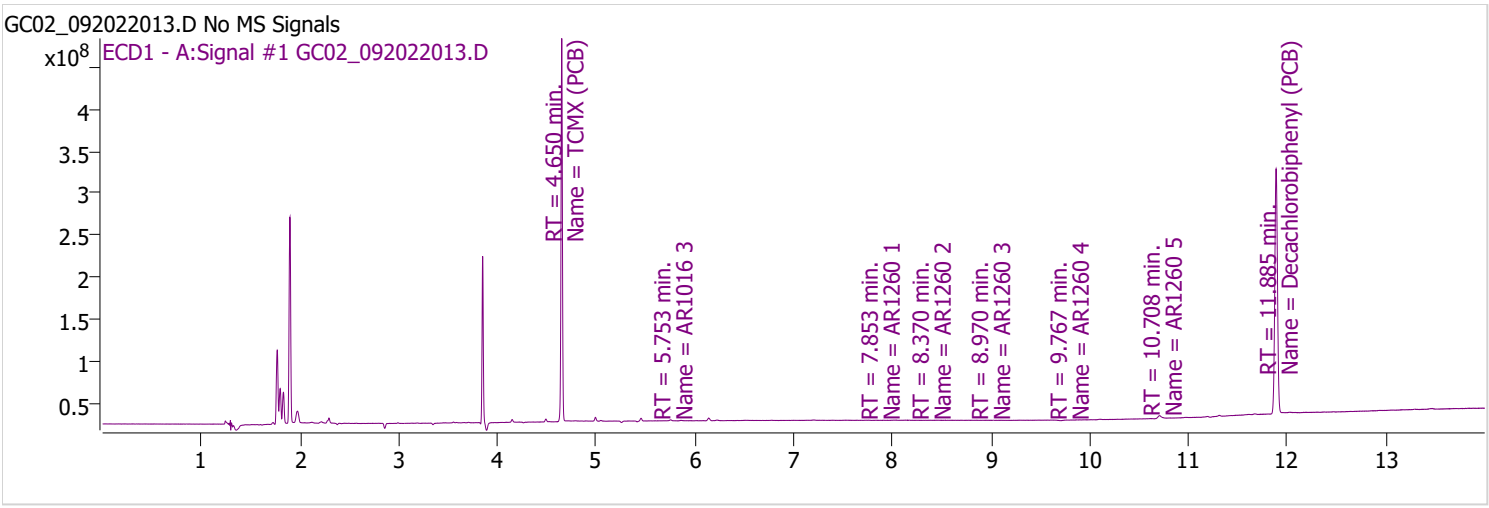
ISTD (CCV gc02_092022-008)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

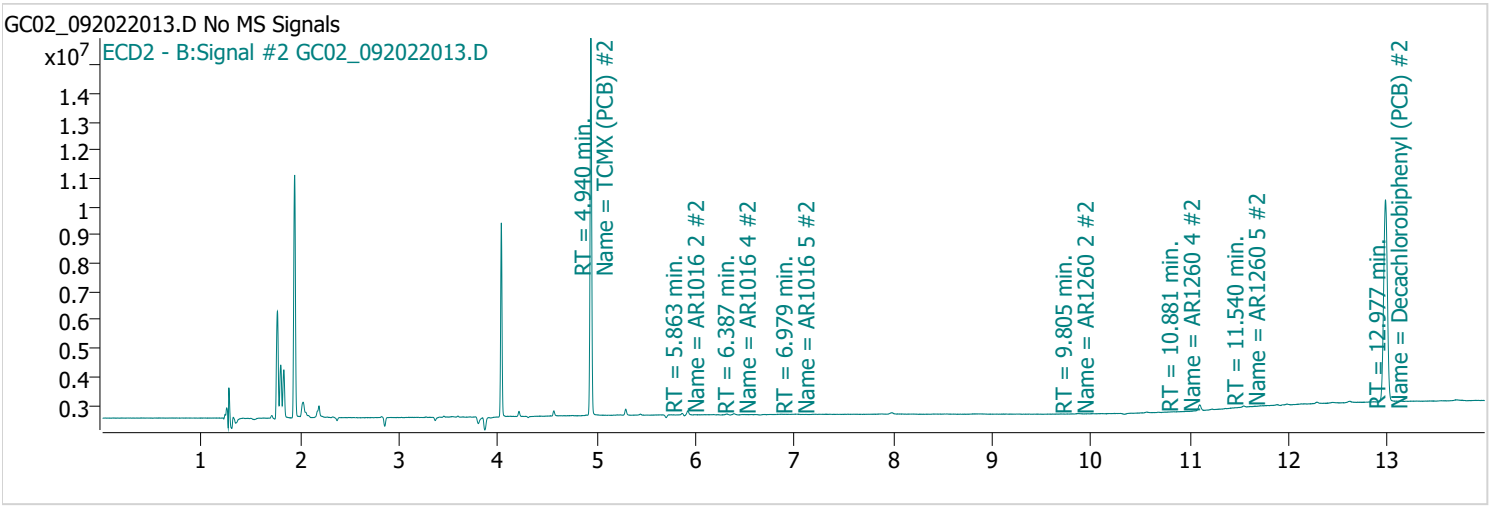
Analyst: TRN 09/26/22

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092022013.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/20/2022 5:06:53 PM
Sample Name	QC1014012, 297328, 1	Instrument	SVOA-GC02
Vial	1	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_8.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	092022PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



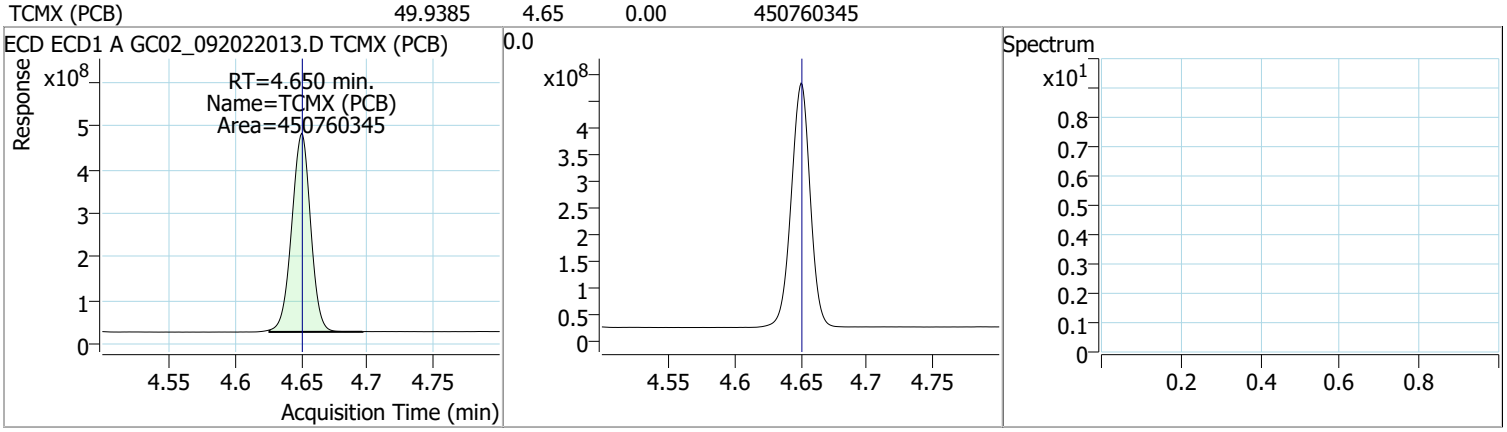


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.850	0.0	190821999.961	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.034	0.0	6784015.668	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.650	0.0	450760344.559	49.9385	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 249.69%		*	
S TCMX (PCB) #2	4.940	0.0	15011133.885	42.6061	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.03%		*	
S Decachlorobiphenyl (PCB)	11.885	0.0	552577943.786	48.6379	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 243.19%		*	
S Decachlorobiphenyl (PCB) #2	12.977	0.0	18813030.472	46.3161	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 231.58%		*	
Target Compounds							QValue

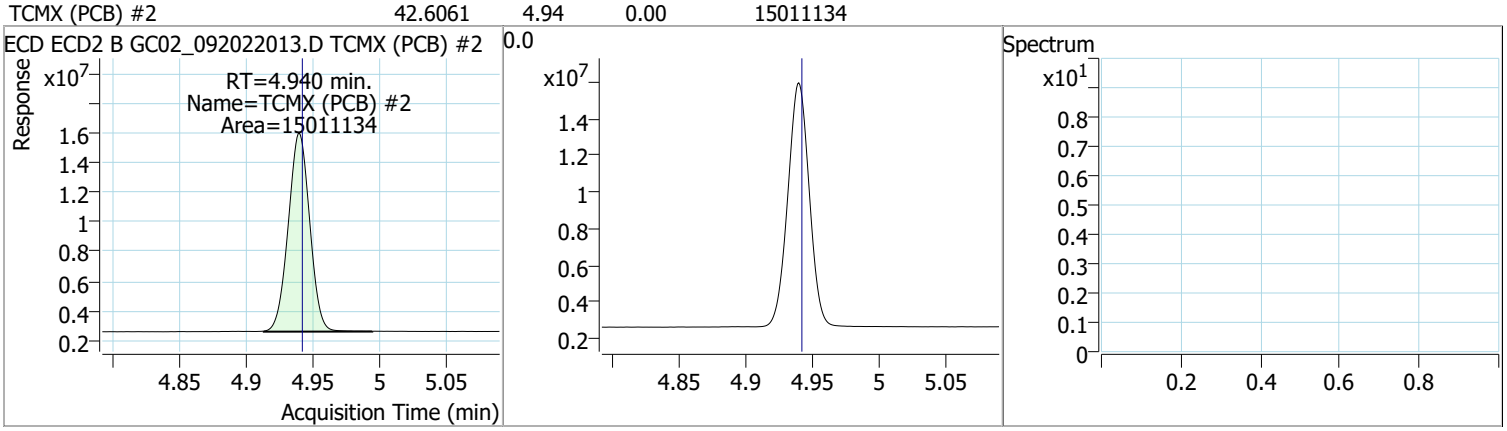
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.992	0.0	5246712.575	31.2626	ng/ml	100
T AR1016 2	5.328	0.0	10584297.129	32.6688	ng/ml	100
T AR1016 1 #2	5.441	0.0	65093.155	7.5937	ng/ml	100
T AR1016 3	5.753	0.0	794140.373	1.6264	ng/ml	100
T AR1016 2 #2	5.863	0.0	678598.651	39.2086	ng/ml	100
T AR1016 4	5.858	0.0	830143.540	2.8875	ng/ml	100
T AR1016 5	6.227	0.0	1765547.172	6.6679	ng/ml	100
T AR1016 3 #2	6.273	0.0	4392.385	0.2093	ng/ml	100
T AR1016 4 #2	6.387	0.0	95071.398	5.7456	ng/ml	100
T AR1016 5 #2	6.979	0.0	3812.320	0.2858	ng/ml	100
T AR1260 1	7.853	0.0	68950.392	0.1349	ng/ml	100
T AR1260 2	8.370	0.0	95372.941	0.1220	ng/ml	100
T AR1260 3	8.970	0.0	143595.661	36.9395	ng/ml	100
T AR1260 1 #2	9.405	0.0	1995.833	0.0735	ng/ml	100
T AR1260 4	9.767	0.0	1324610.246	2.5187	ng/ml	100
T AR1260 2 #2	9.805	0.0	1828.356	0.0597	ng/ml	100
T AR1260 3 #2	10.408	0.0	64674.516	1.7762	ng/ml	100
T AR1260 5	10.708	0.0	9103513.834	13.2374	ng/ml	100
T AR1260 4 #2	10.881	0.0	2577.813	0.1229	ng/ml	100
T AR1260 5 #2	11.540	0.0	84785.353	2.7319	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

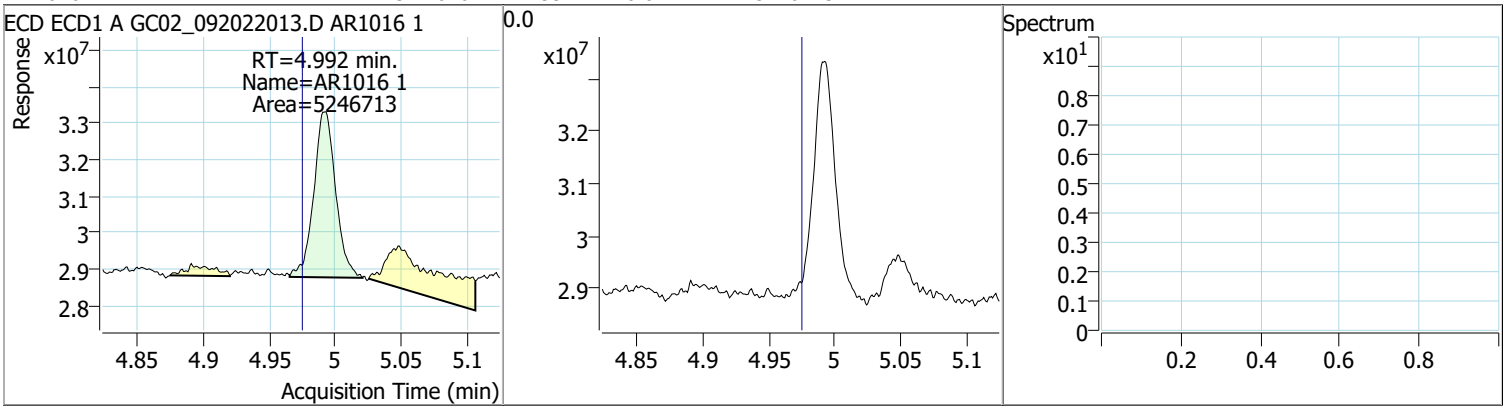
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	49.9385	4.65	0.00	450760345				



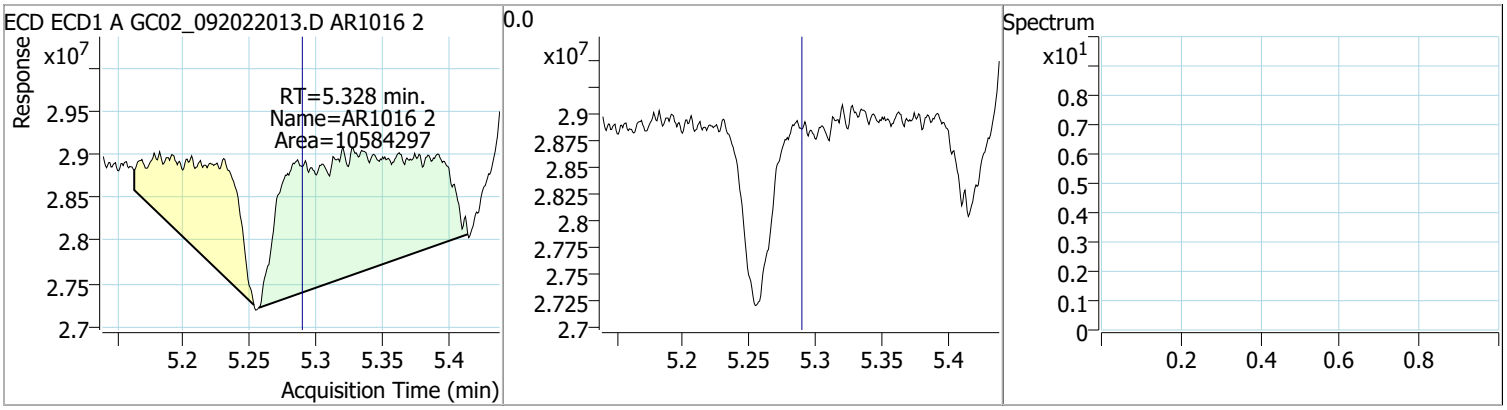
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.6061	4.94	0.00	15011134				



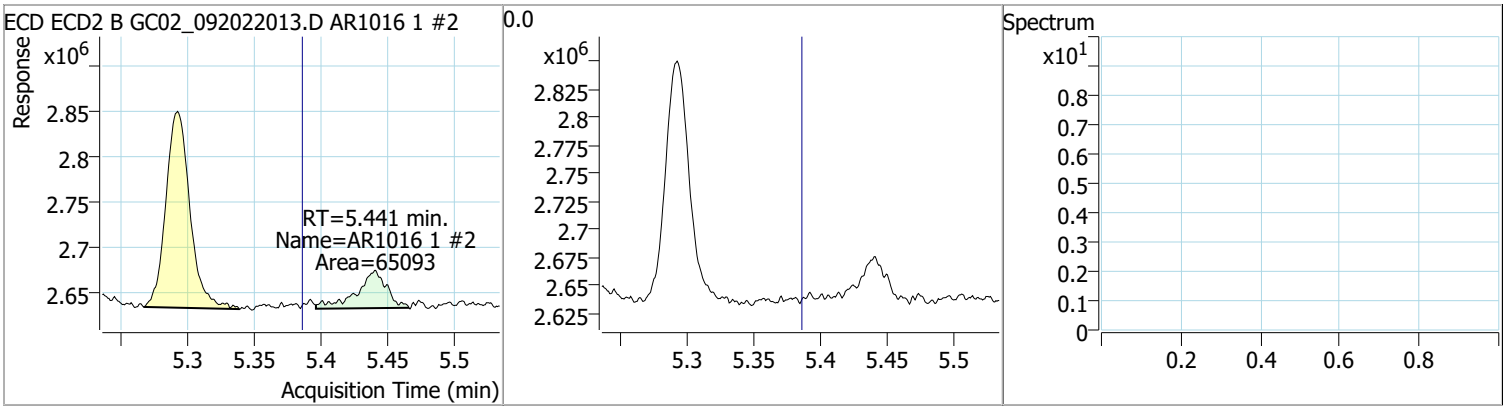
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	31.2626	4.99	0.02	5246713				



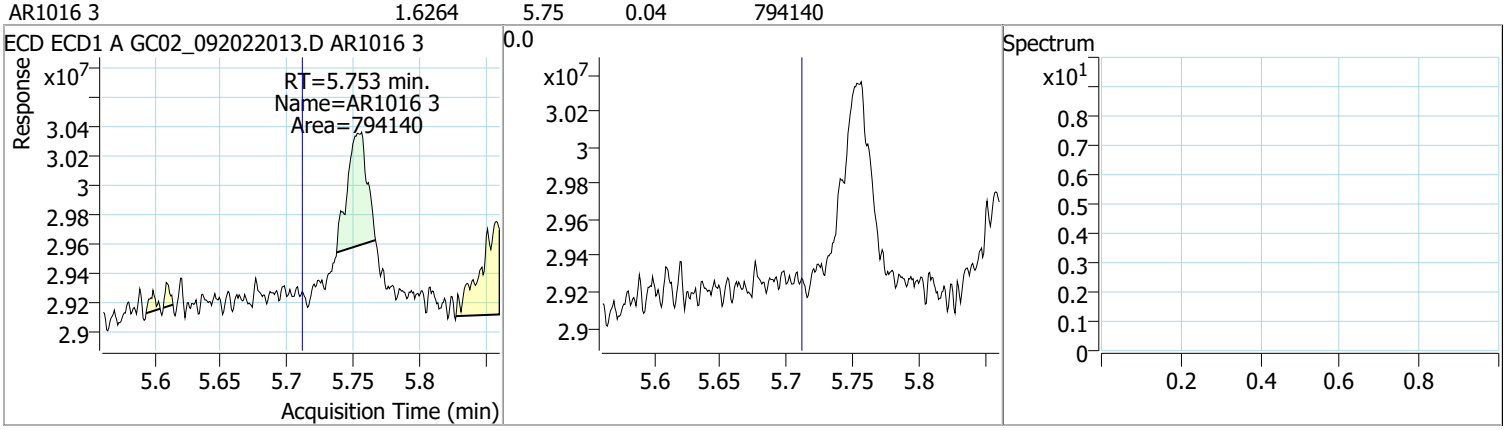
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	32.6688	5.33	0.04	10584297				



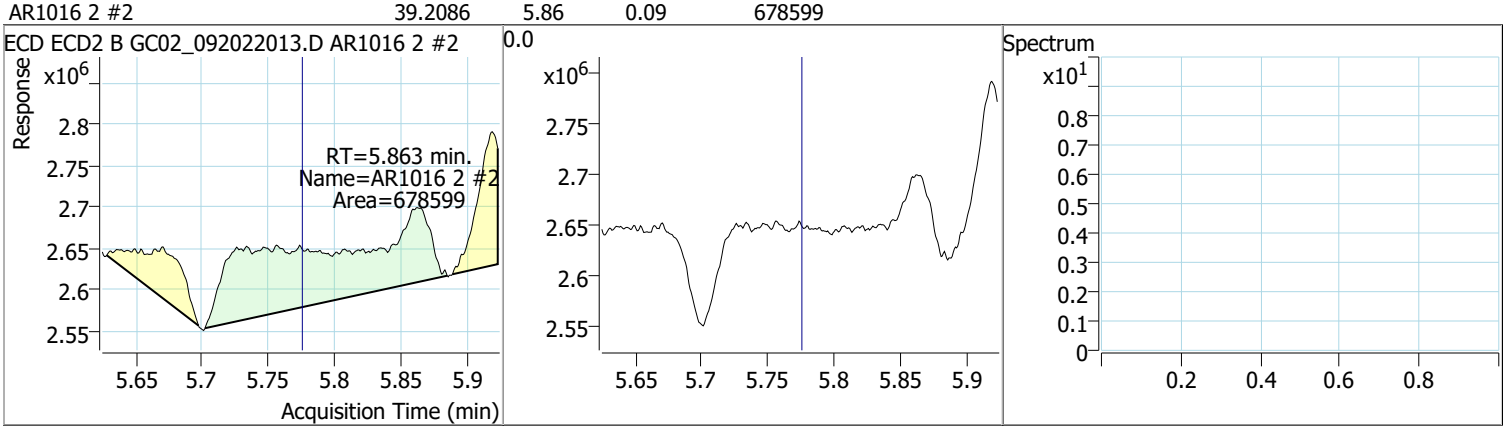
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	7.5937	5.44	0.06	65093				



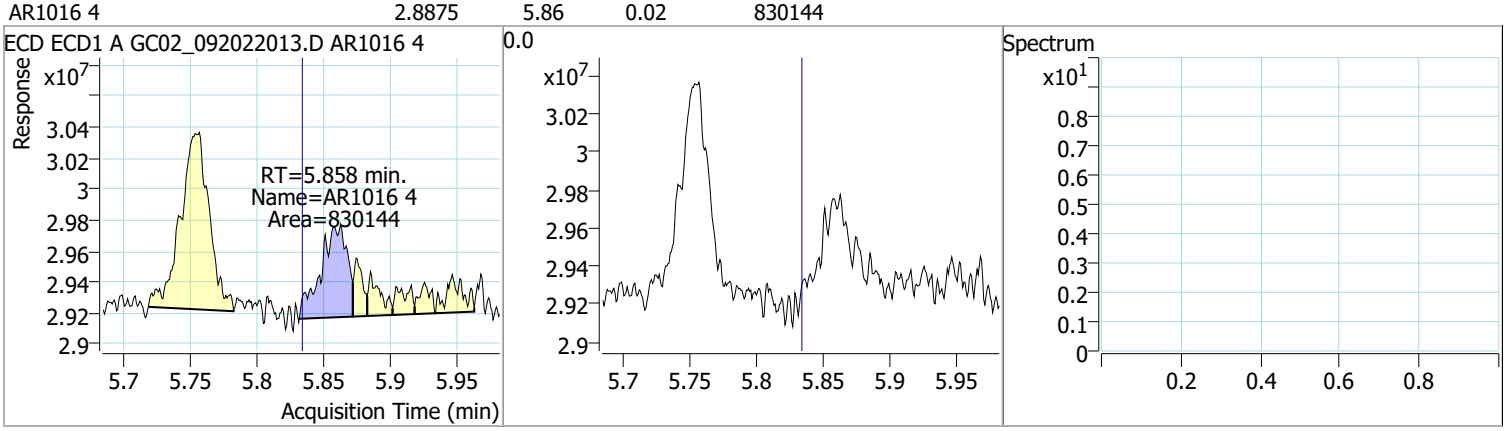
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1.6264	5.75	0.04	794140				



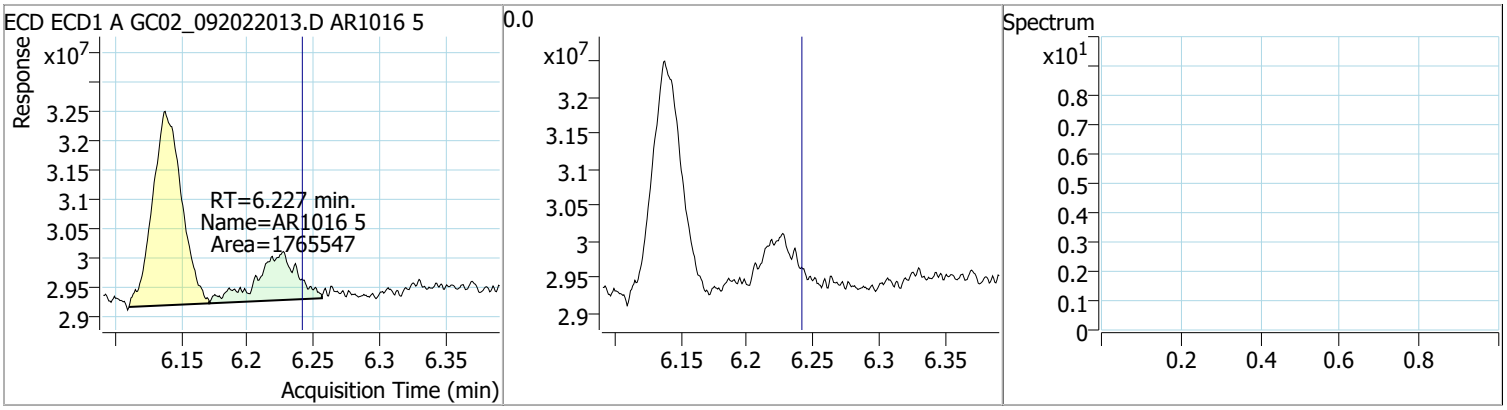
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	39.2086	5.86	0.09	678599				



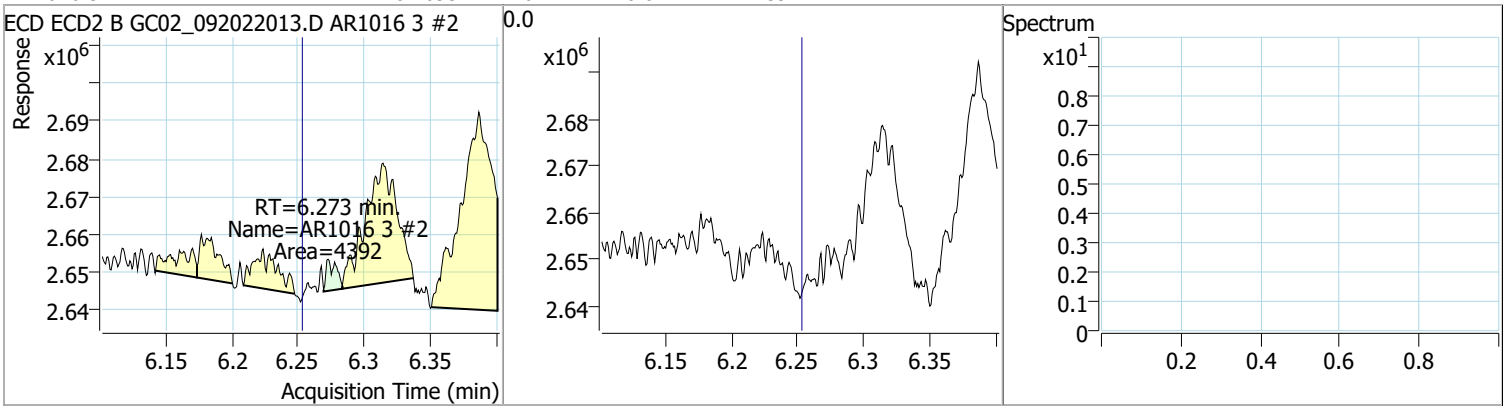
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2.8875	5.86	0.02	830144				



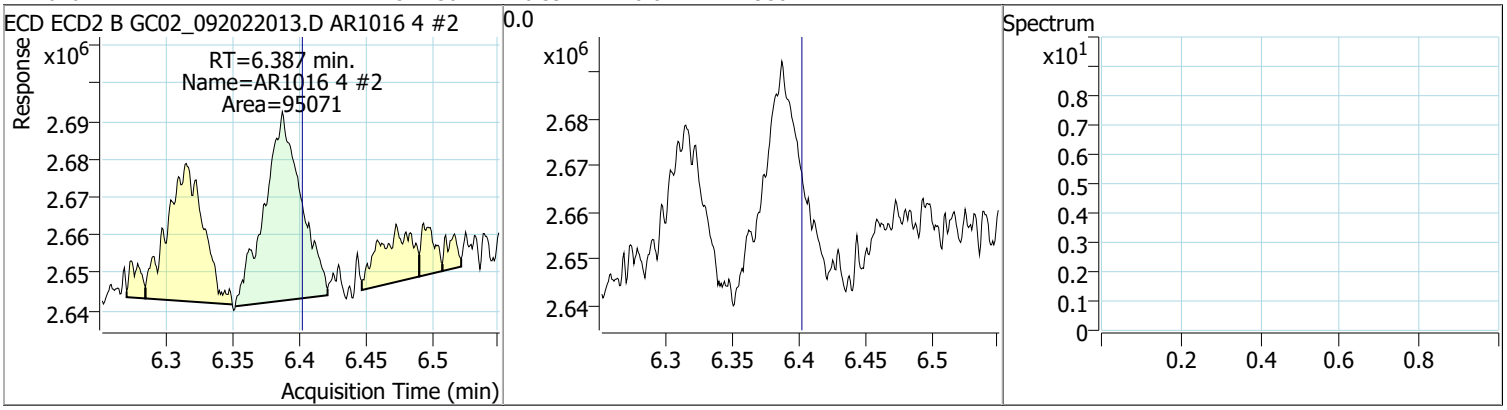
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	6.6679	6.23	-0.01	1765547				



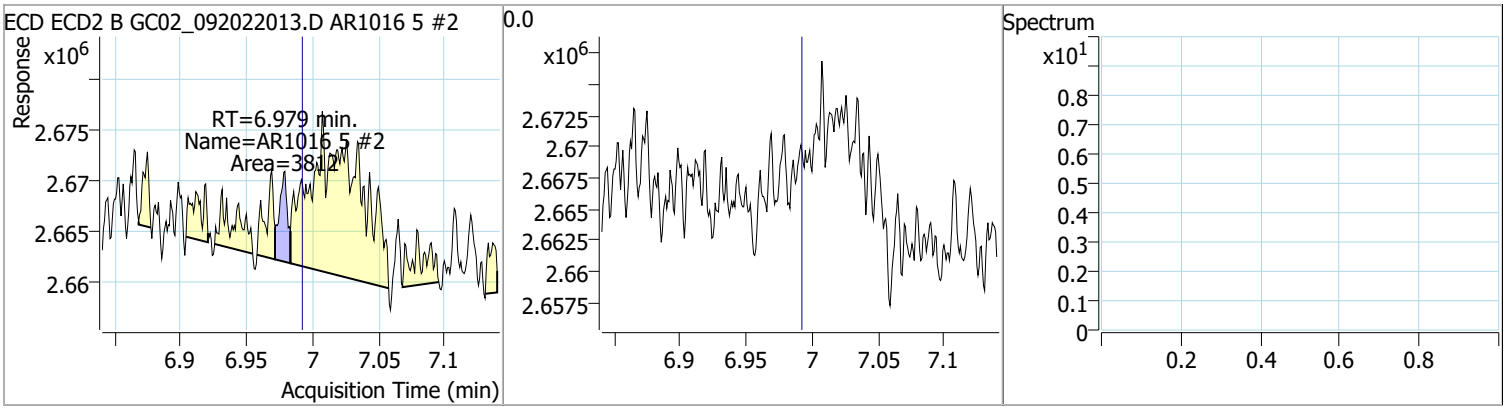
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	0.2093	6.27	0.02	4392				



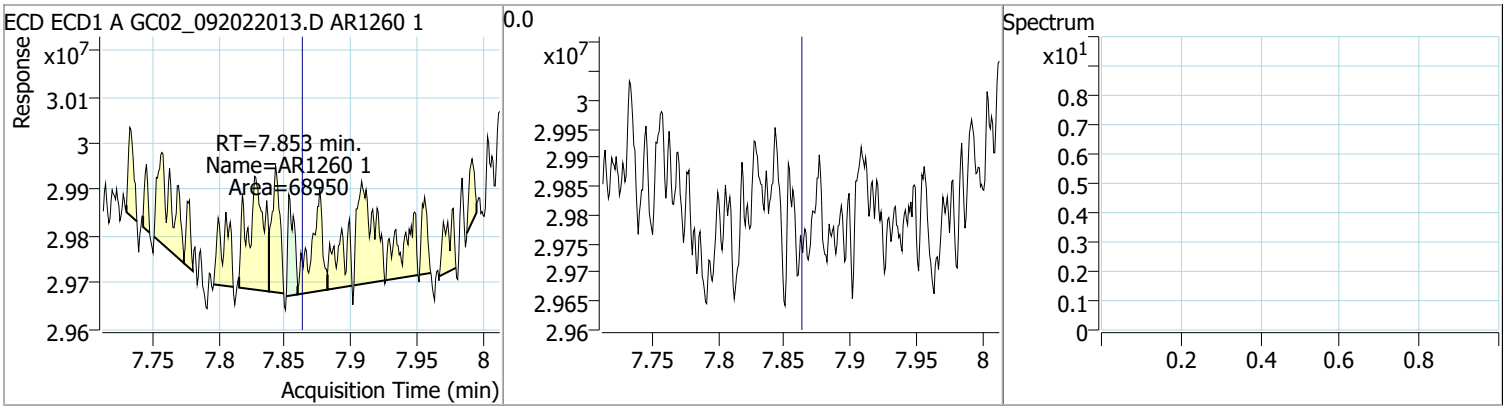
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	5.7456	6.39	-0.01	95071				



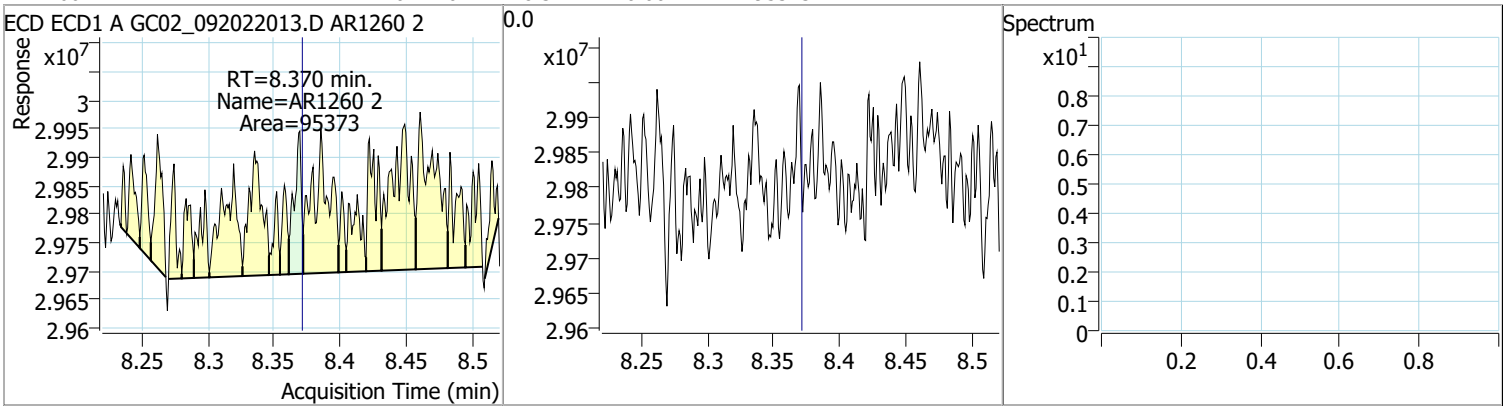
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.2858	6.98	-0.01	3812				



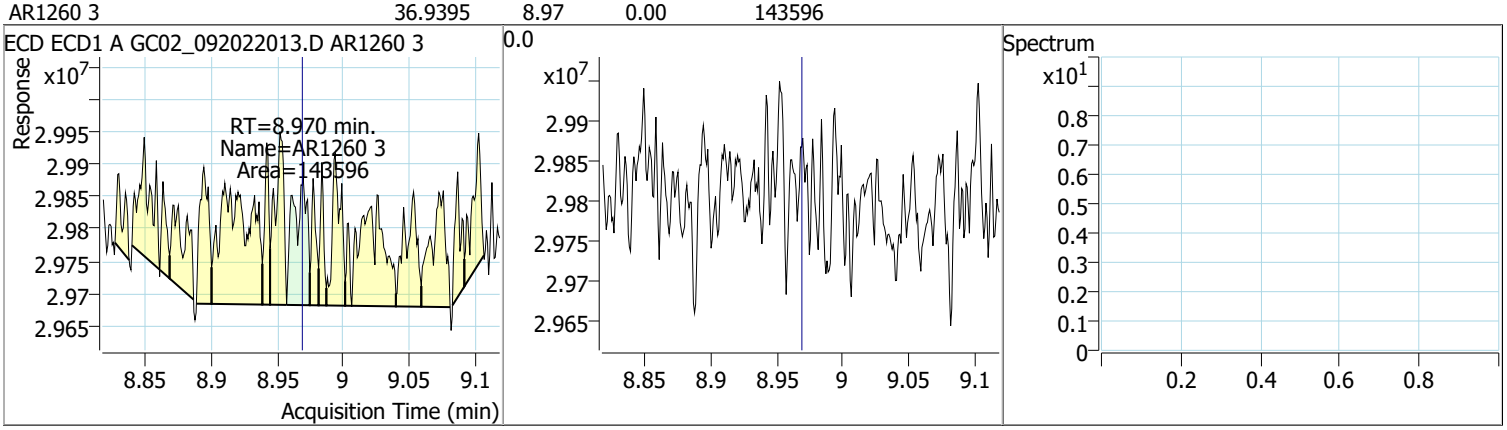
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.1349	7.85	-0.01	68950				



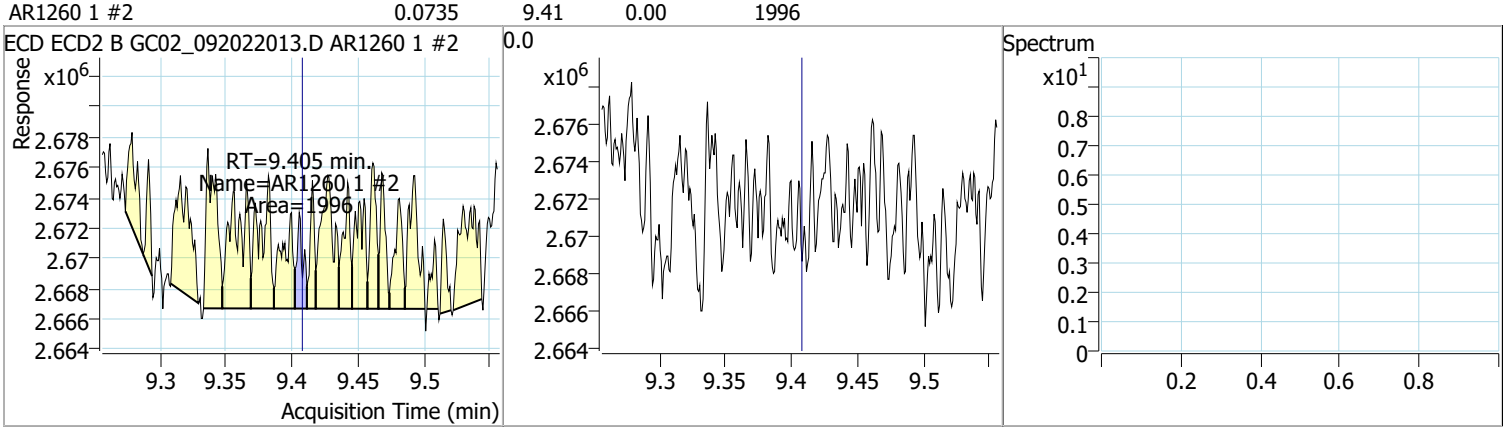
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1220	8.37	0.00	95373				



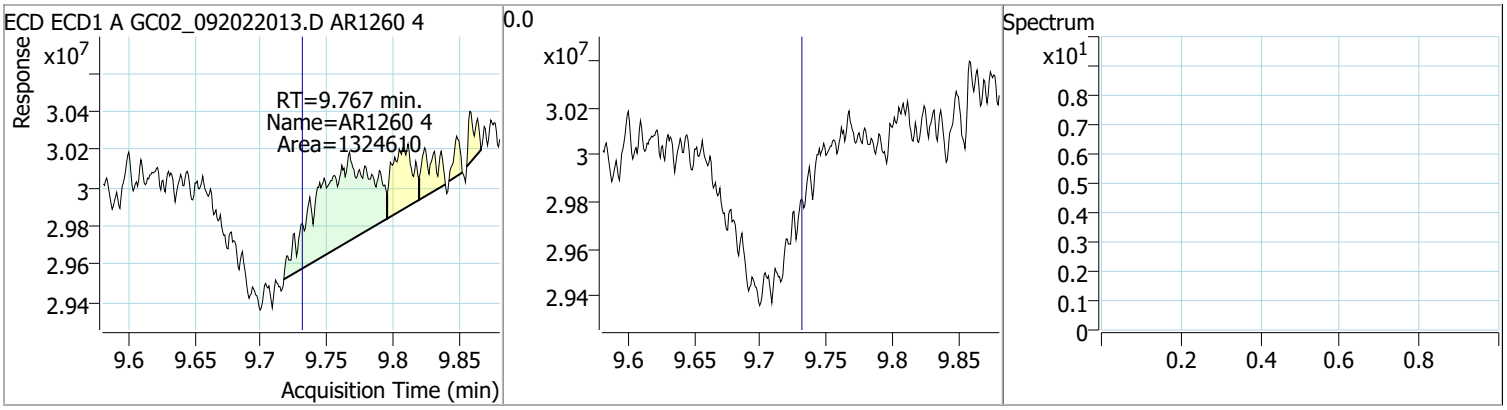
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	36.9395	8.97	0.00	143596				



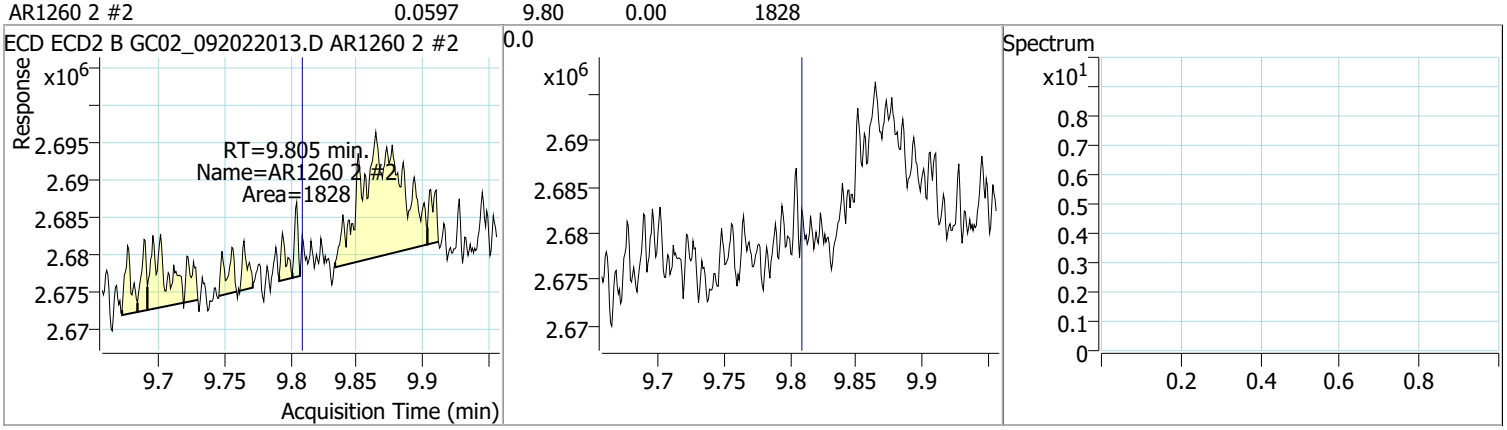
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.0735	9.41	0.00	1996				



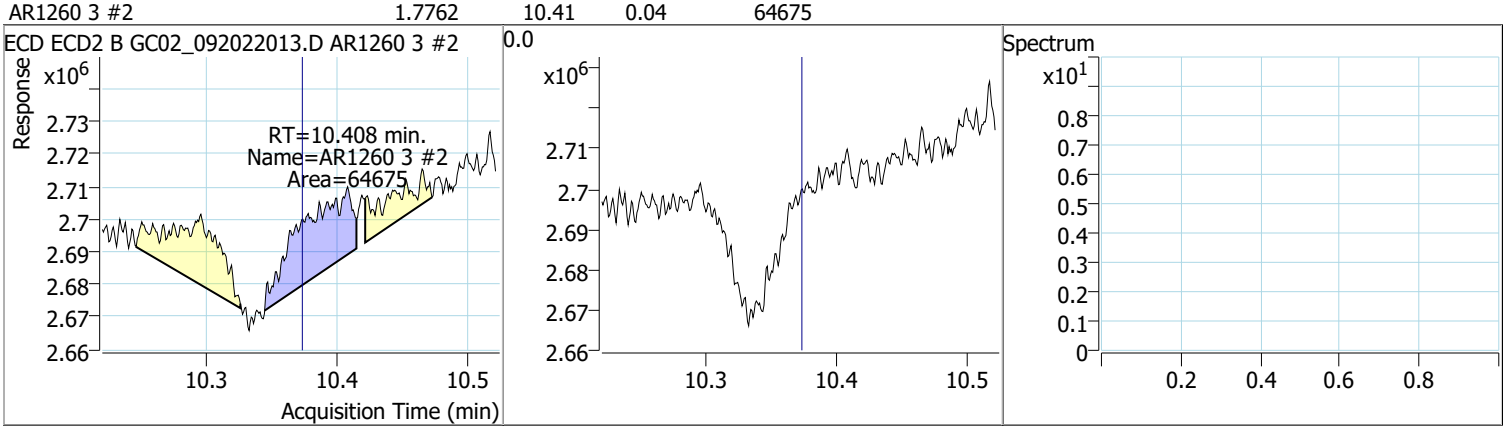
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	2.5187	9.77	0.04	1324610				



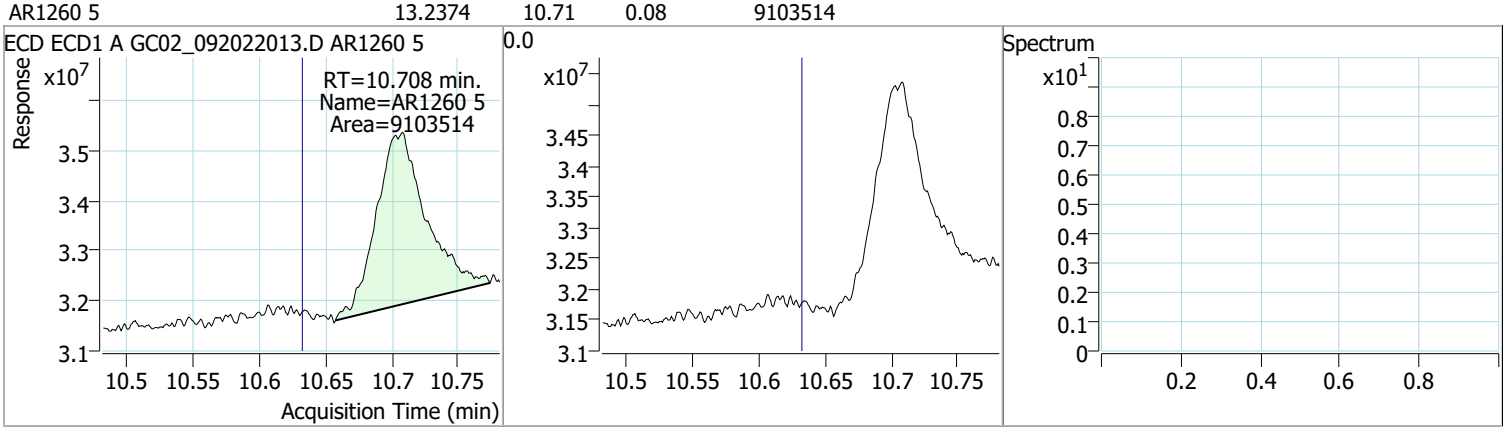
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0597	9.80	0.00	1828				



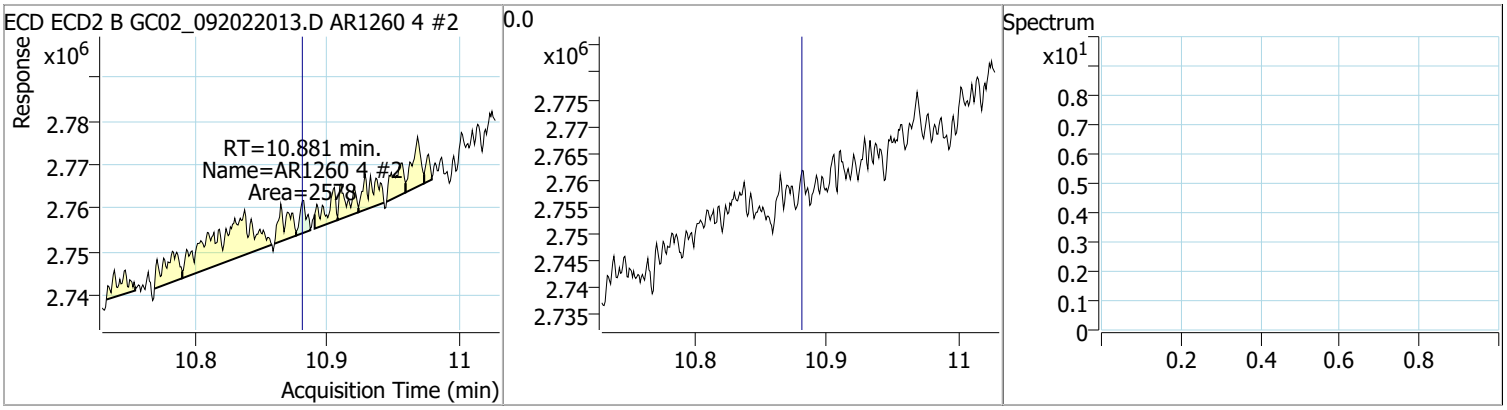
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1.7762	10.41	0.04	64675				



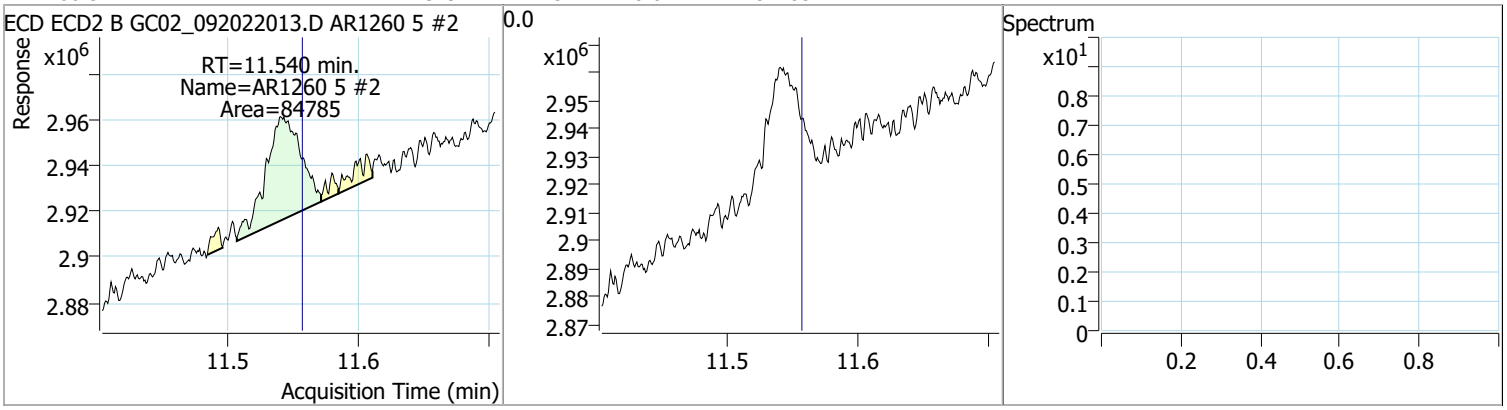
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	13.2374	10.71	0.08	9103514				



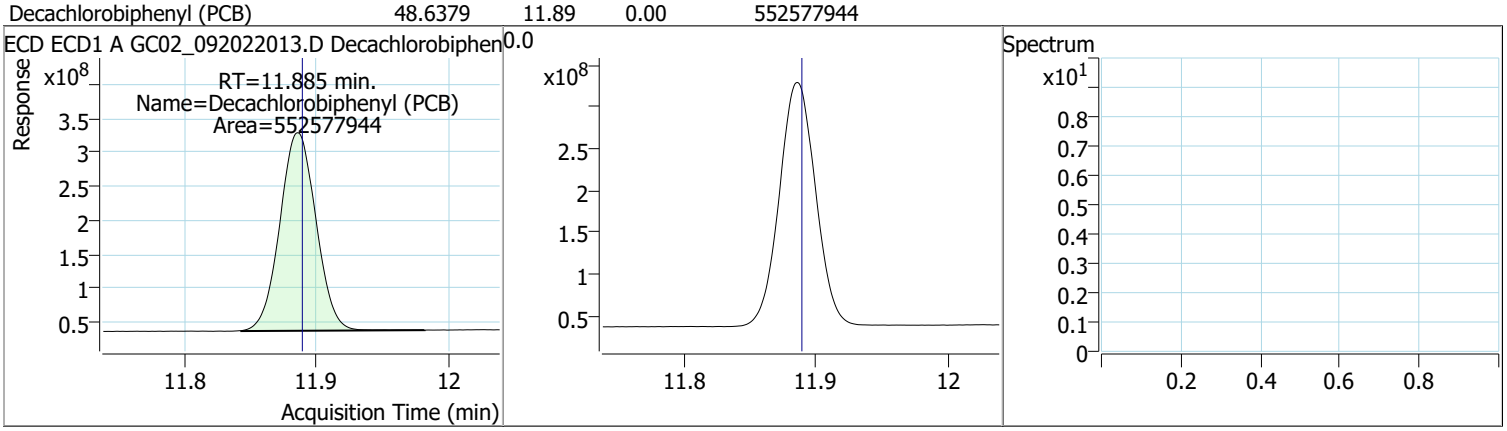
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.1229	10.88	0.00	2578				



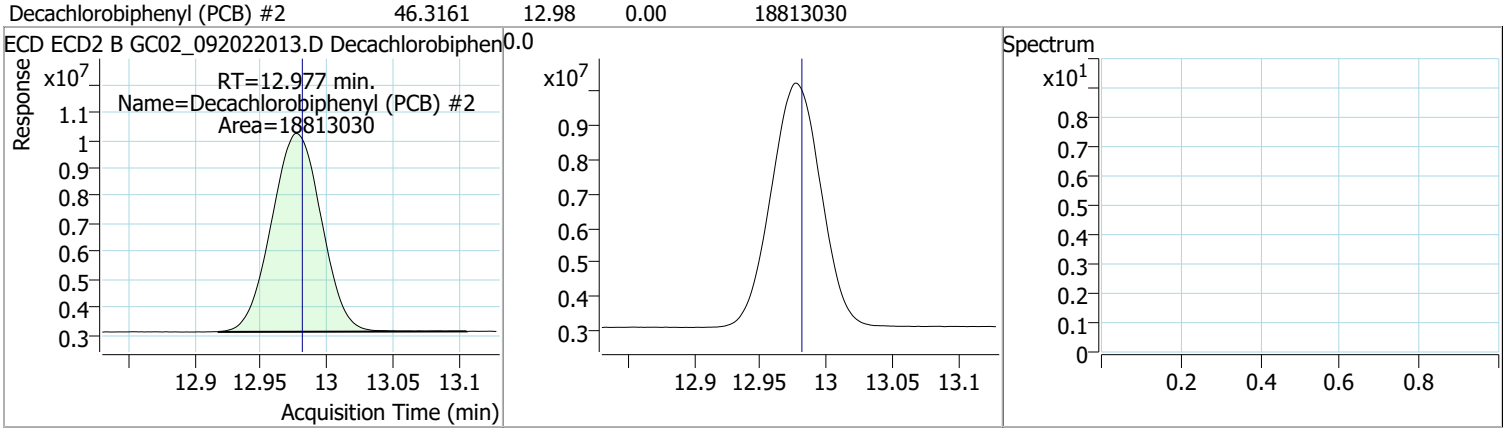
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	2.7319	11.54	-0.01	84785				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	48.6379	11.89	0.00	552577944				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	46.3161	12.98	0.00	18813030				



ENTHALPY BLANK USER REPORT FOR 469273 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02	Lab ID:	QC1014266		
Seqnum:	212382352039.2	Matrix:	Wipe		
File:	gc02_092222-039	Batch:	297417	Time:	22-SEP-2022 23:41
Cal:	212360956002	Caldate:	07-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	5.980	ND	0.23	118%	0.50	u
Aroclor-1016 Peak # 1	B	2.426	0.02	0.32	172%		
Aroclor-1016 Peak # 2	B	3.858	0.04	0.35	160%		
Aroclor-1016 Peak # 3	B	12.47	0.12	0.01	178%		
Aroclor-1016 Peak # 4	B	8.794	0.09	0.41	130%		
Aroclor-1016 Peak # 5	B	2.352	0.02	0.07	104%		
Aroclor-1221	B		ND			0.50	u
Aroclor-1232	B		ND			0.50	u
Aroclor-1242	B		ND			0.50	u
Aroclor-1248	B		ND			0.50	u
Aroclor-1254	B		ND			0.50	u
Aroclor-1260	B	24.81	ND	0.15	51%	0.50	u
Aroclor-1260 Peak # 1	B	0.4655	0.00	0.00	27%		
Aroclor-1260 Peak # 2	B	0.2161	0.00	0.00	21%		
Aroclor-1260 Peak # 3	B	6.971	0.07	0.37	137%		
Aroclor-1260 Peak # 4	B	68.22	0.68	0.10	149%		
Aroclor-1260 Peak # 5	B	48.20	0.48	0.26	60%		
Aroclor-1262	B		ND			0.50	u
Aroclor-1268	B		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	47.09	0.5000	0.4709	94	52-186	c+ u
Decachlorobiphenyl (PCB)	B	44.42	0.5000	0.4442	89	60-140	c+ u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc02_092222-004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5891658	5538720	-5.99
1-bromo-2-nitrobenzene (PCB)	A	188314132	173625695	-7.80

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

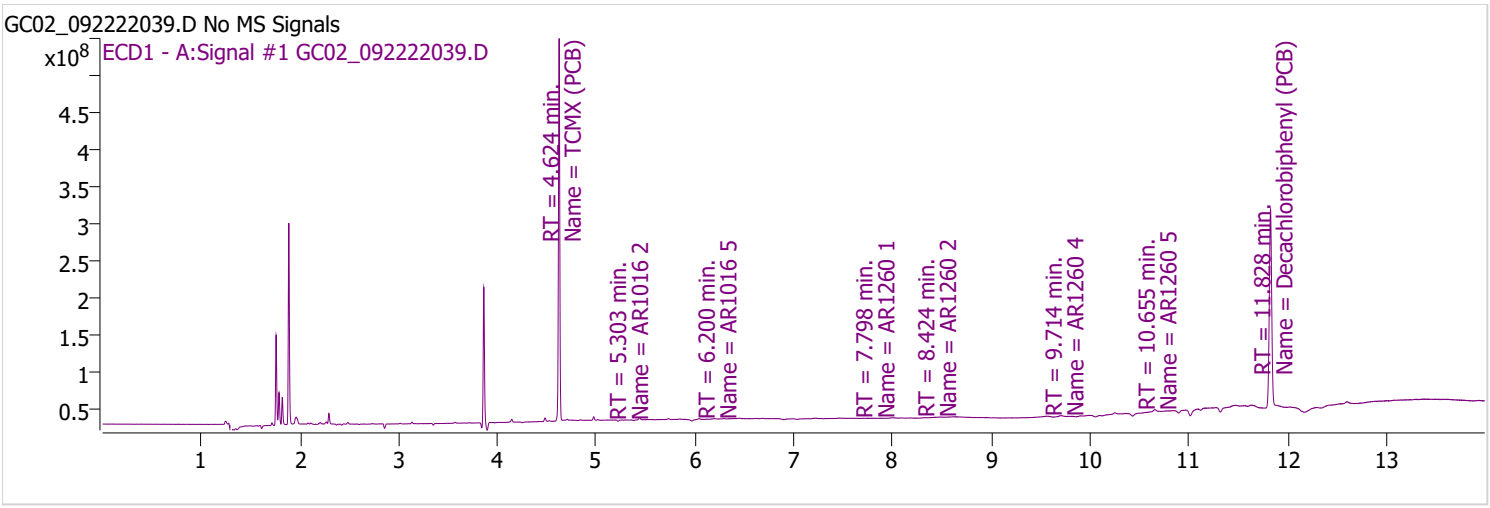
ISTD (CCV gc02_092222-004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.05	4.05	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.86	3.86	0.00

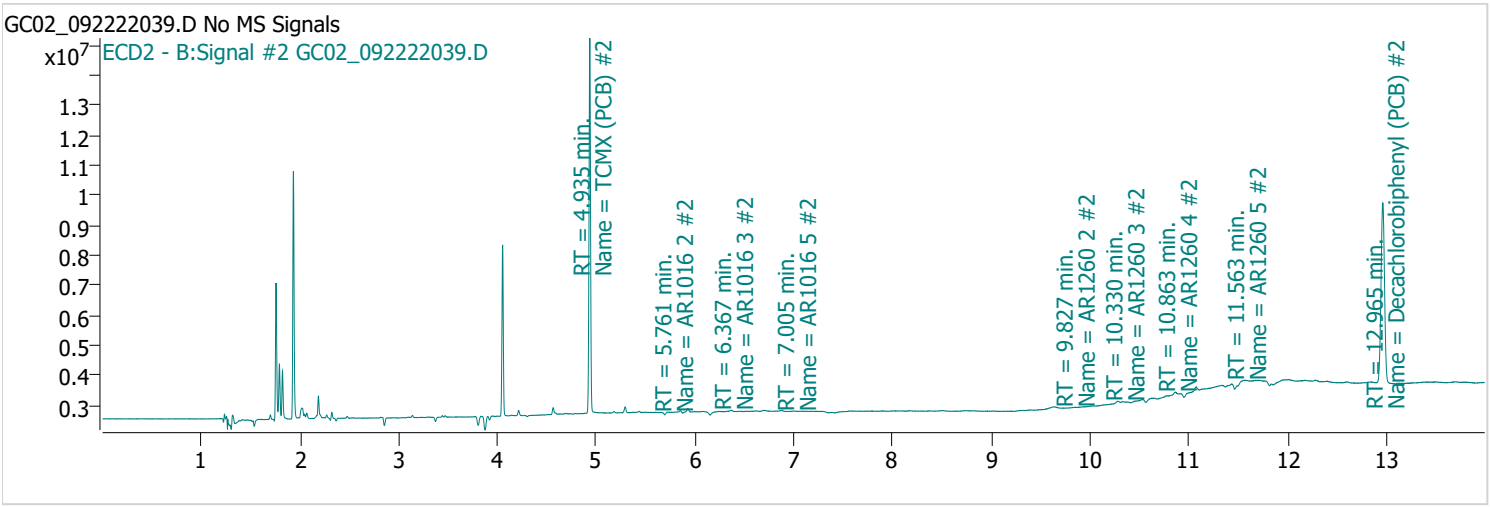
Analyst: TRN 09/26/22

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092222039.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/22/2022 11:41:55 PM
Sample Name	QC1014266, 297417, 1	Instrument	SVOA-GC02
Vial	13	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_10.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	092222_PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



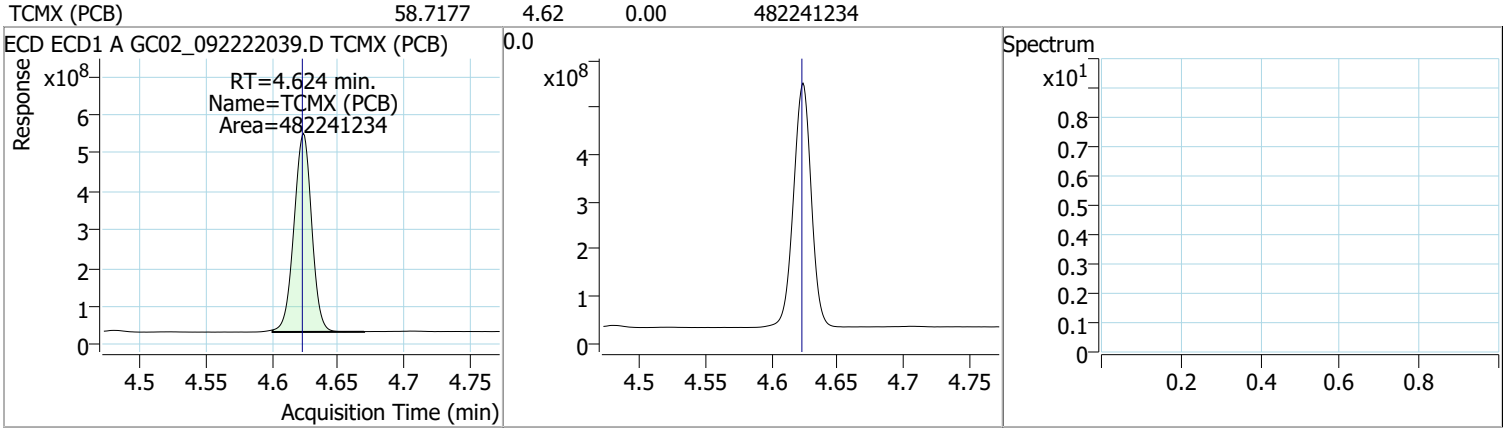


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.861	0.0	173625695.233	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.051	0.0	5538720.444	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.624	0.0	482241233.918	58.7177	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 293.59%		*	
S TCMX (PCB) #2	4.935	0.0	13545001.515	47.0885	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 235.44%		*	
S Decachlorobiphenyl (PCB)	11.828	0.0	464266637.326	44.9121	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 224.56%		*	
S Decachlorobiphenyl (PCB) #2	12.965	0.0	14730307.997	44.4184	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 222.09%		*	
Target Compounds							QValue

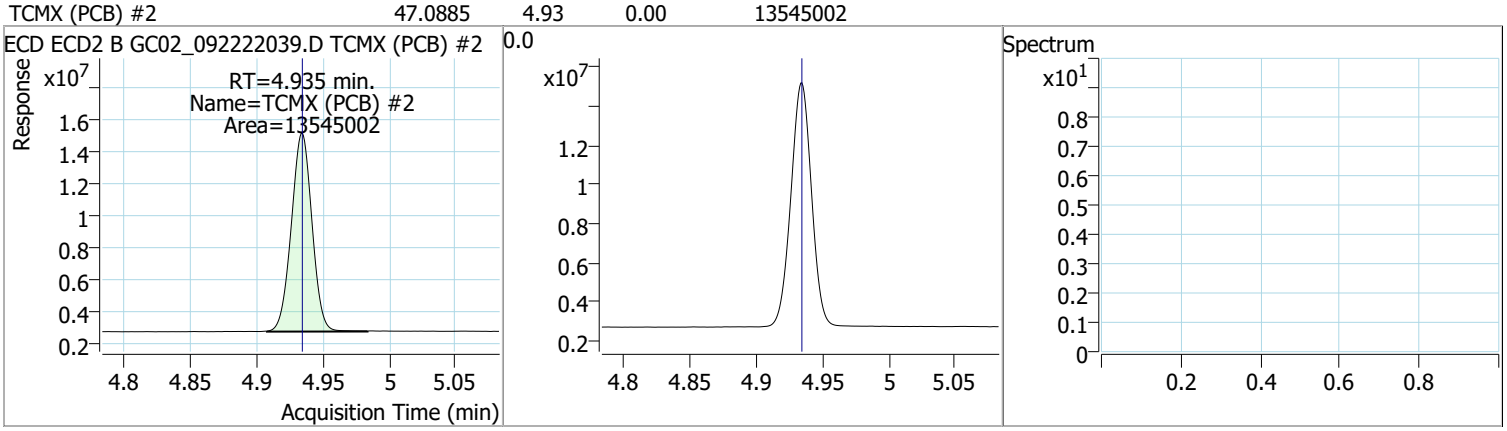
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.974	0.0	4930155.235	32.2859	ng/ml	100
T AR1016 2	5.303	0.0	10320044.037	35.0080	ng/ml	100
T AR1016 1 #2	5.370	0.0	16975.985	2.4256	ng/ml	100
T AR1016 3	5.665	0.0	321685.543	0.7241	ng/ml	100
T AR1016 2 #2	5.761	0.0	54519.154	3.8583	ng/ml	100
T AR1016 4	5.839	0.0	10757804.322	41.1255	ng/ml	100
T AR1016 5	6.200	0.0	1782432.836	7.3984	ng/ml	100
T AR1016 3 #2	6.367	0.0	213648.296	12.4713	ng/ml	100
T AR1016 4 #2	6.367	0.0	118809.044	8.7945	ng/ml	100
T AR1016 5 #2	7.005	0.0	25609.859	2.3520	ng/ml	100
T AR1260 1	7.798	0.0	165072.087	0.3548	ng/ml	100
T AR1260 2	8.424	0.0	189085.142	0.2659	ng/ml	100
T AR1260 3	8.883	0.0	251167.408	37.0772	ng/ml	100
T AR1260 1 #2	9.392	0.0	10327.044	0.4655	ng/ml	100
T AR1260 4	9.714	0.0	4759520.908	9.9464	ng/ml	100
T AR1260 2 #2	9.827	0.0	5401.288	0.2161	ng/ml	100
T AR1260 3 #2	10.330	0.0	207224.801	6.9707	ng/ml	100
T AR1260 5	10.655	0.0	16161200.586	25.8275	ng/ml	100
T AR1260 4 #2	10.863	0.0	1168202.200	68.2240	ng/ml	100
T AR1260 5 #2	11.563	0.0	1221230.929	48.1974	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

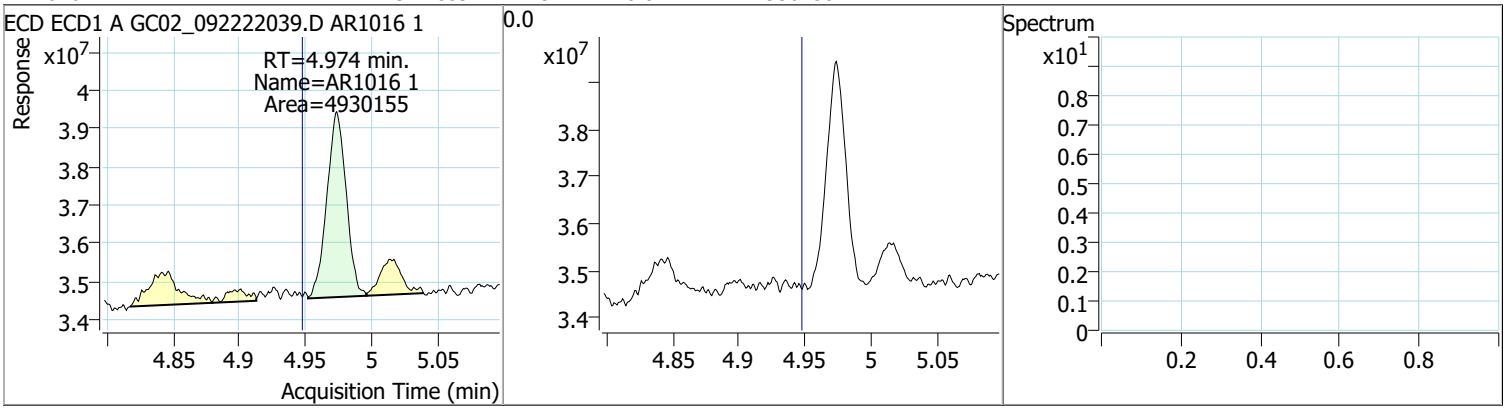
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	58.7177	4.62	0.00	482241234				



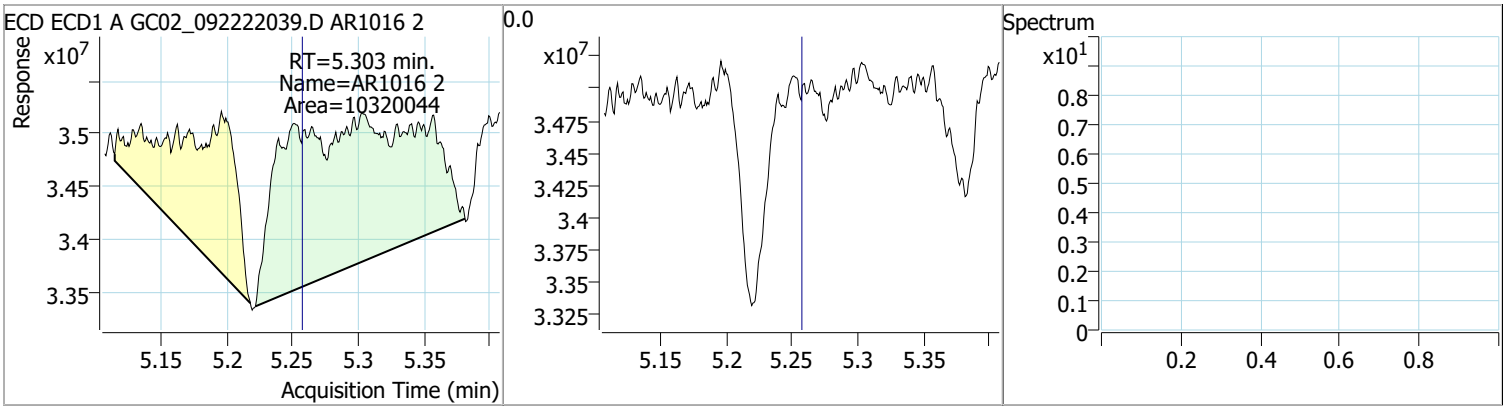
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	47.0885	4.93	0.00	13545002				



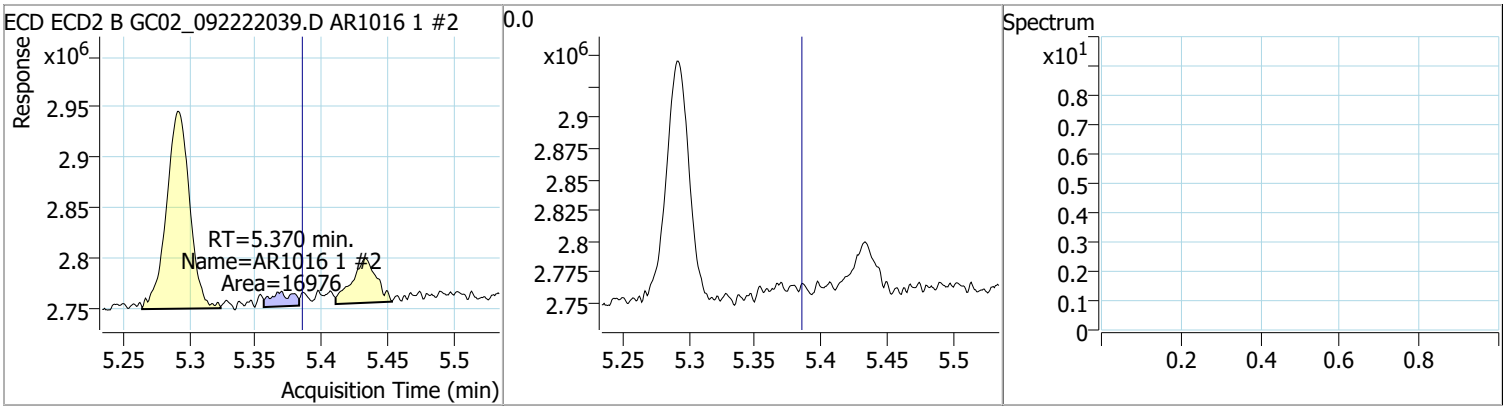
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	32.2859	4.97	0.02	4930155				



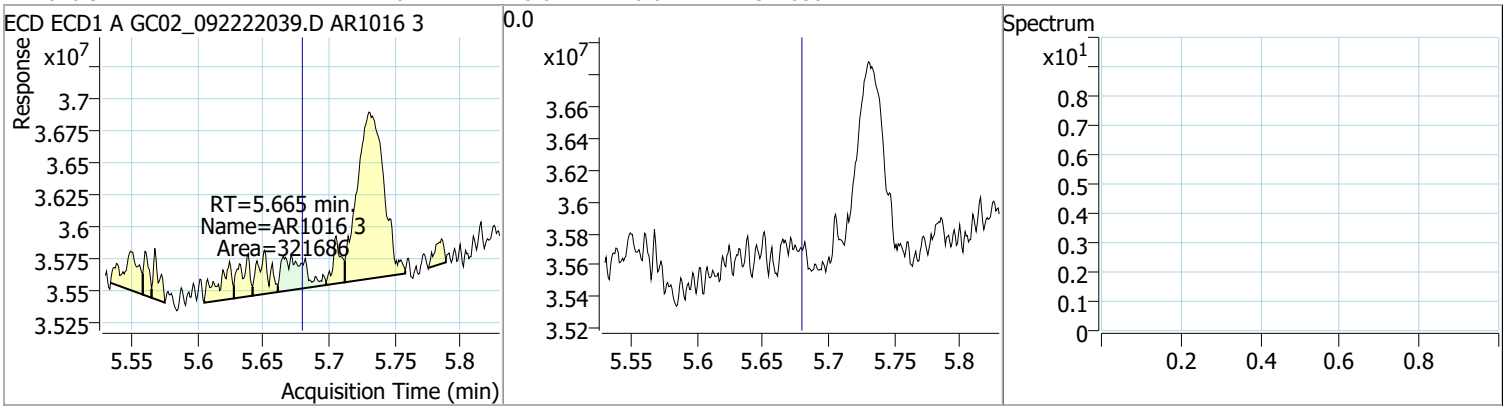
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	35.0080	5.30	0.04	10320044				



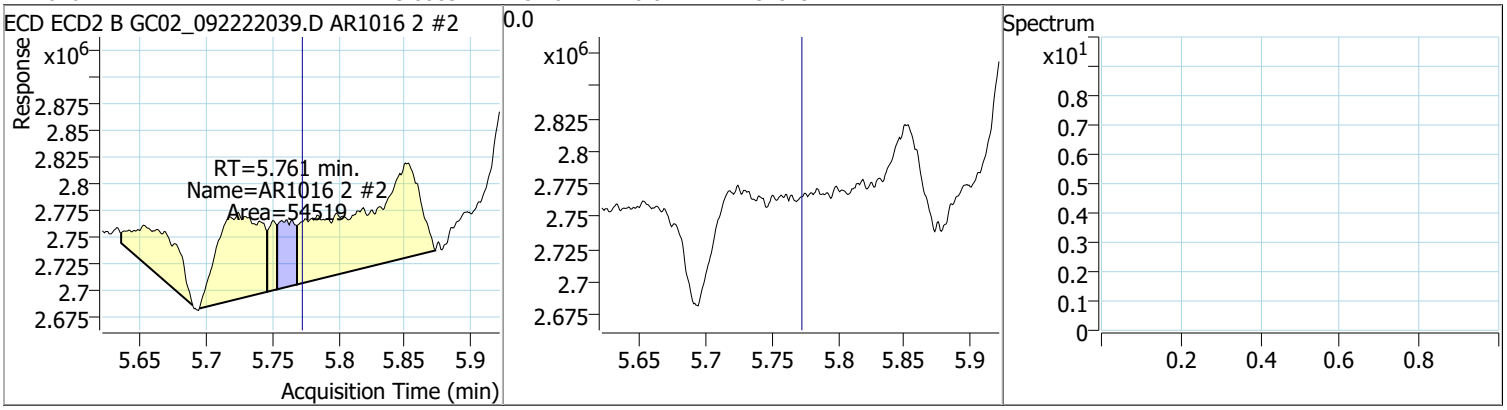
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	2.4256	5.37	-0.02	16976				



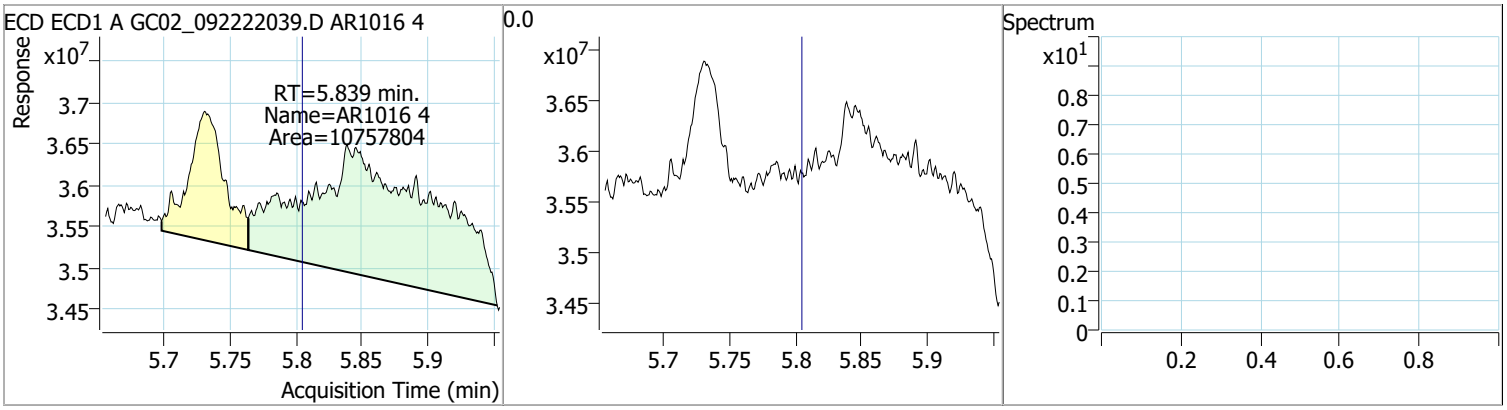
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.7241	5.67	-0.02	321686				



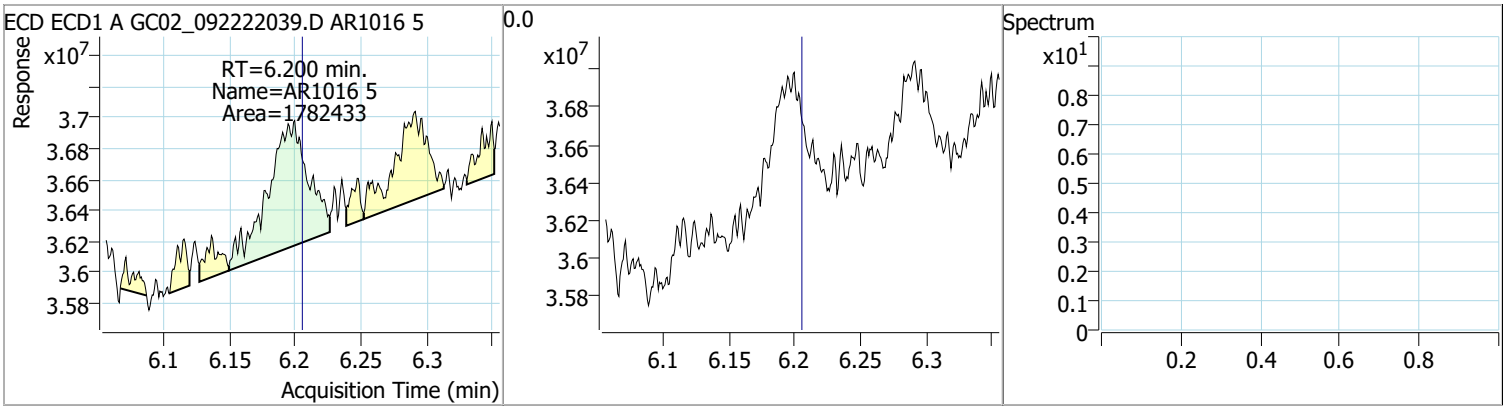
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	3.8583	5.76	-0.01	54519				



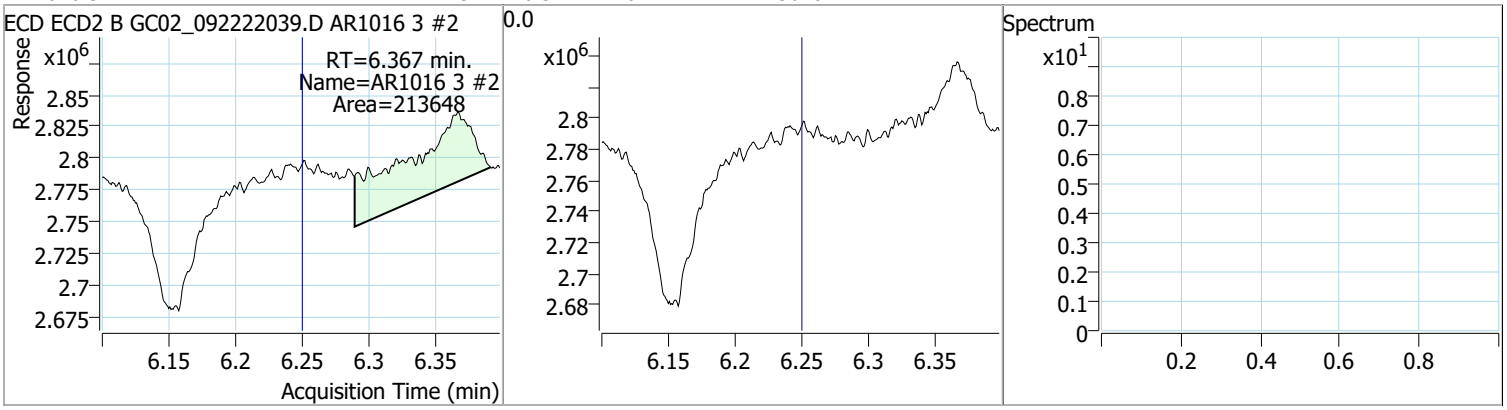
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	41.1255	5.84	0.03	10757804				



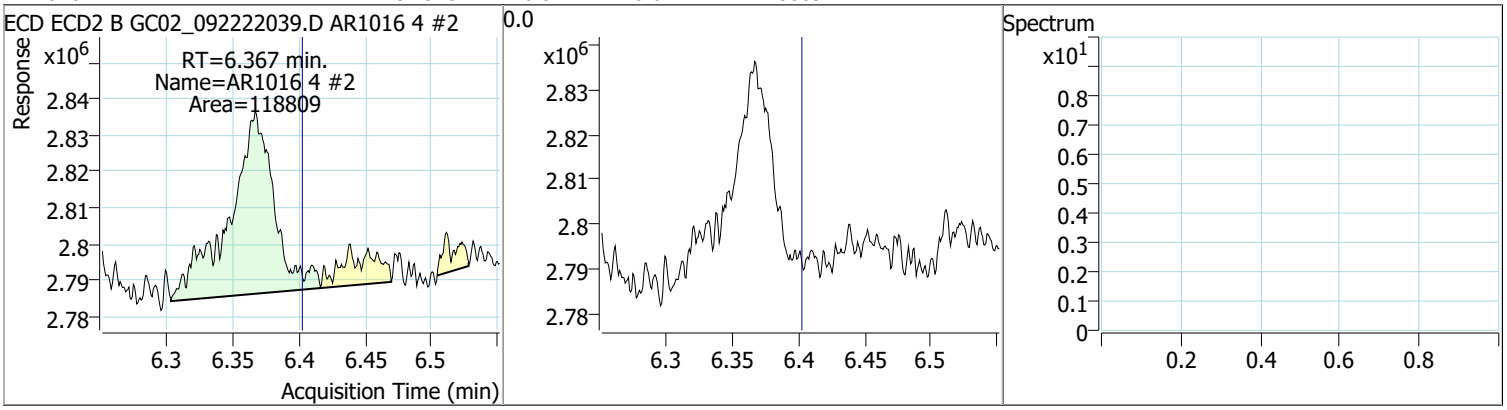
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	7.3984	6.20	-0.01	1782433				



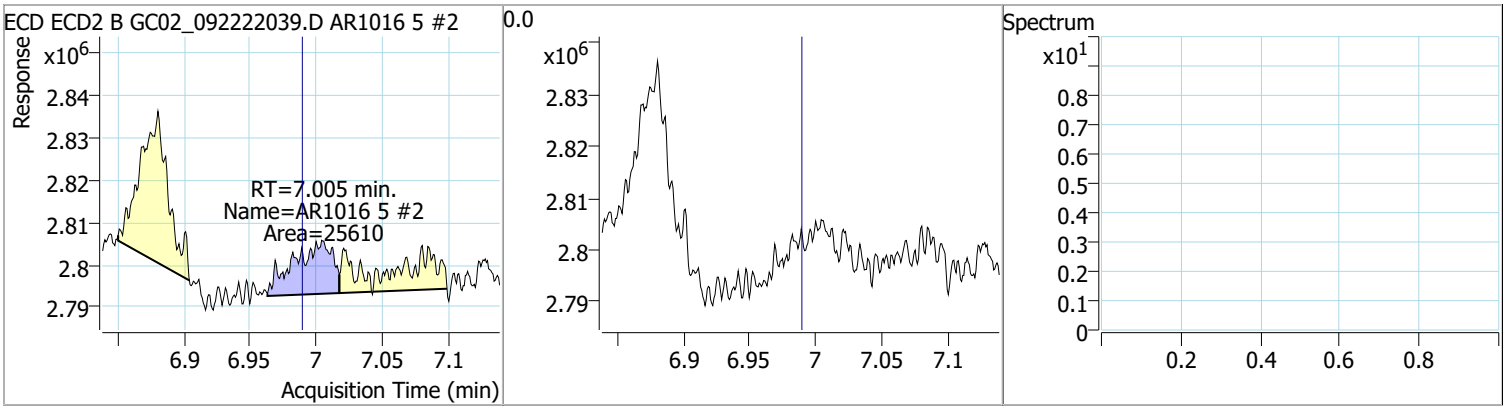
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	12.4713	6.37	0.12	213648				



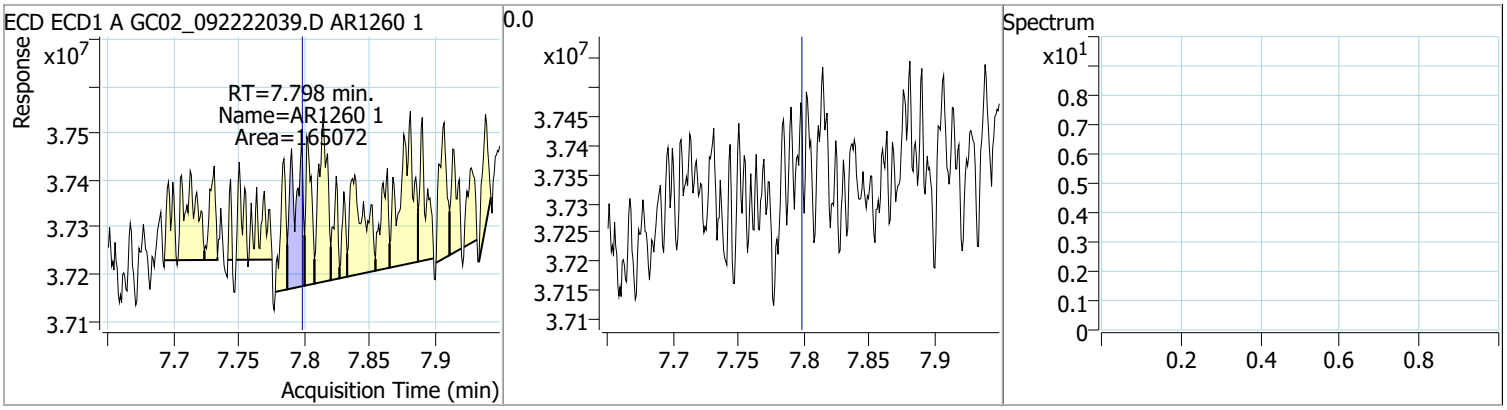
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	8.7945	6.37	-0.04	118809				



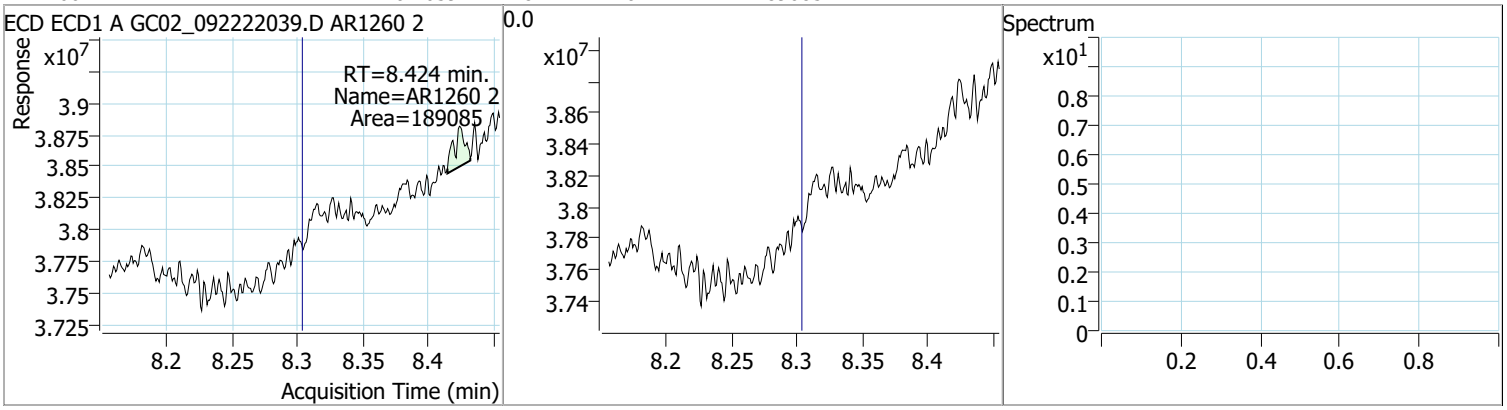
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AR1016 5 #2	2.3520	7.01	0.02	25610				



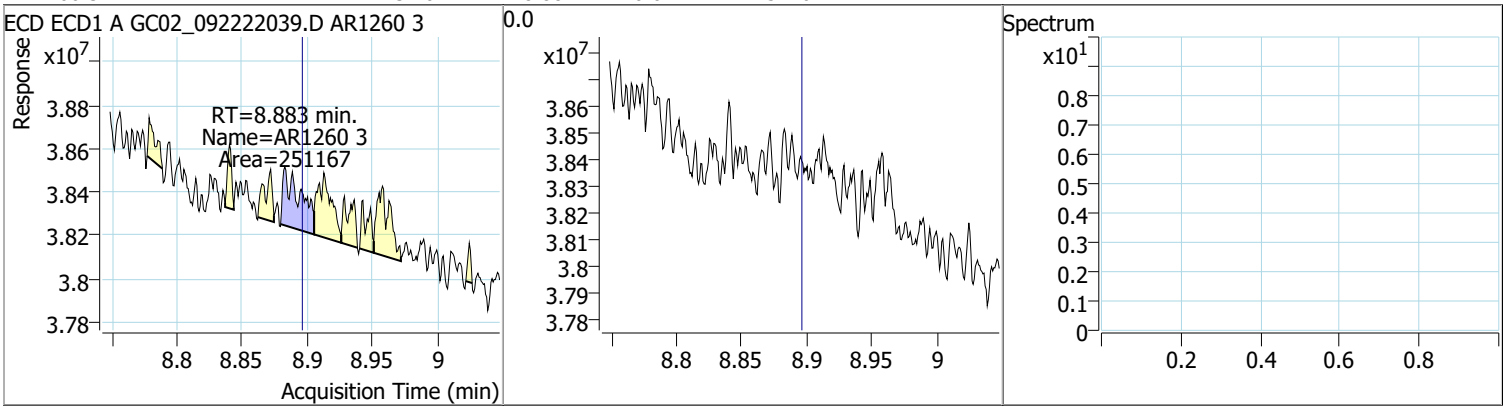
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.3548	7.80	0.00	165072				



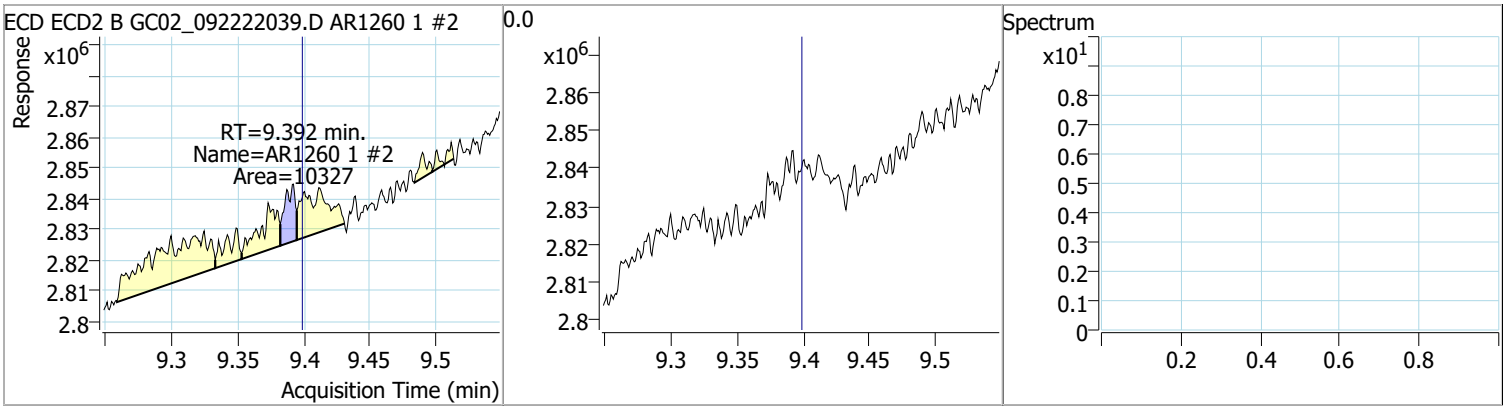
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.2659	8.42	0.12	189085				



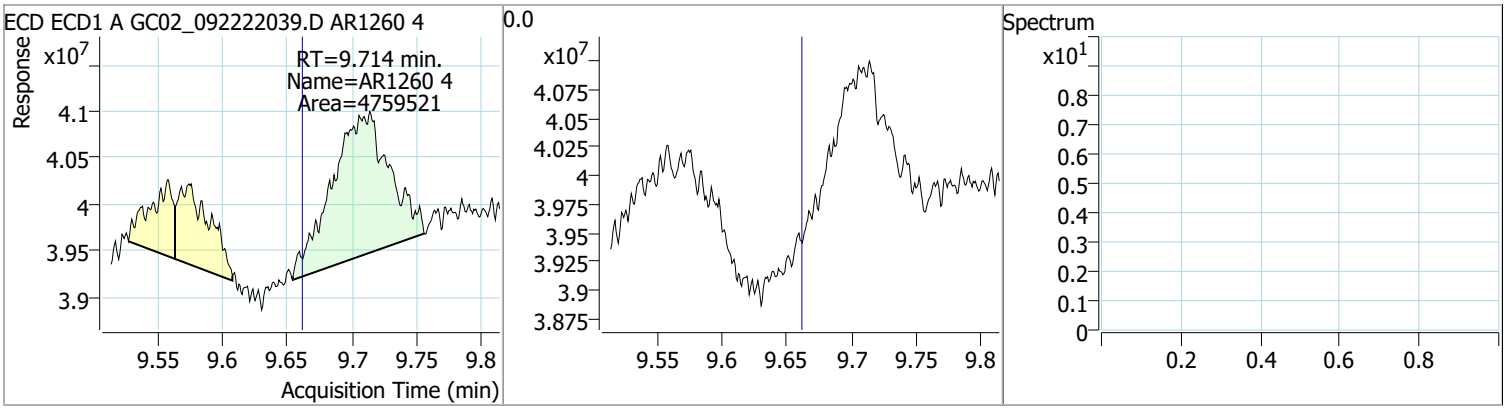
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AR1260 3	37.0772	8.88	-0.02	251167				



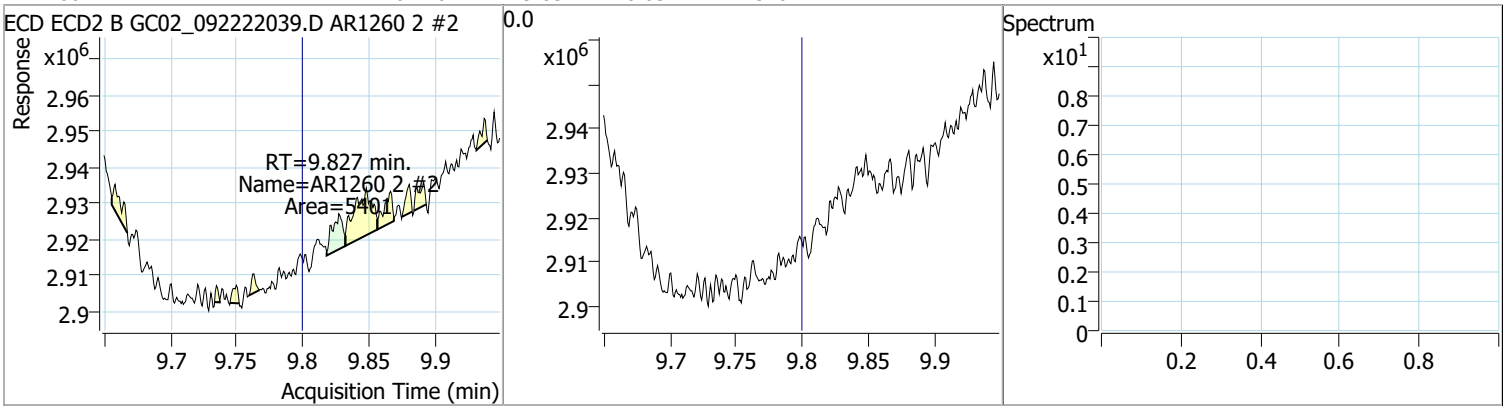
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.4655	9.39	-0.01	10327				



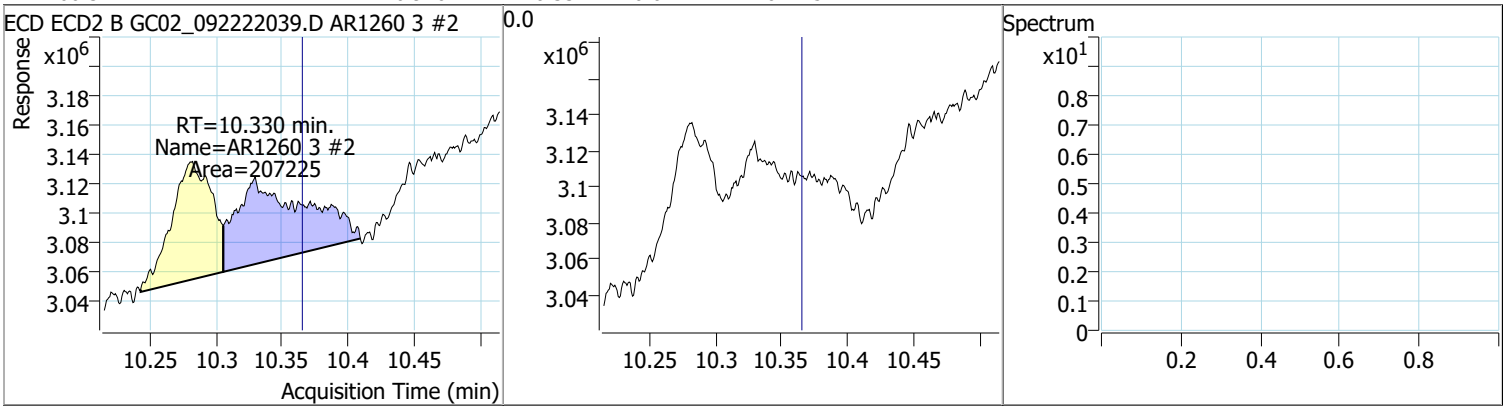
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	9.9464	9.71	0.05	4759521				



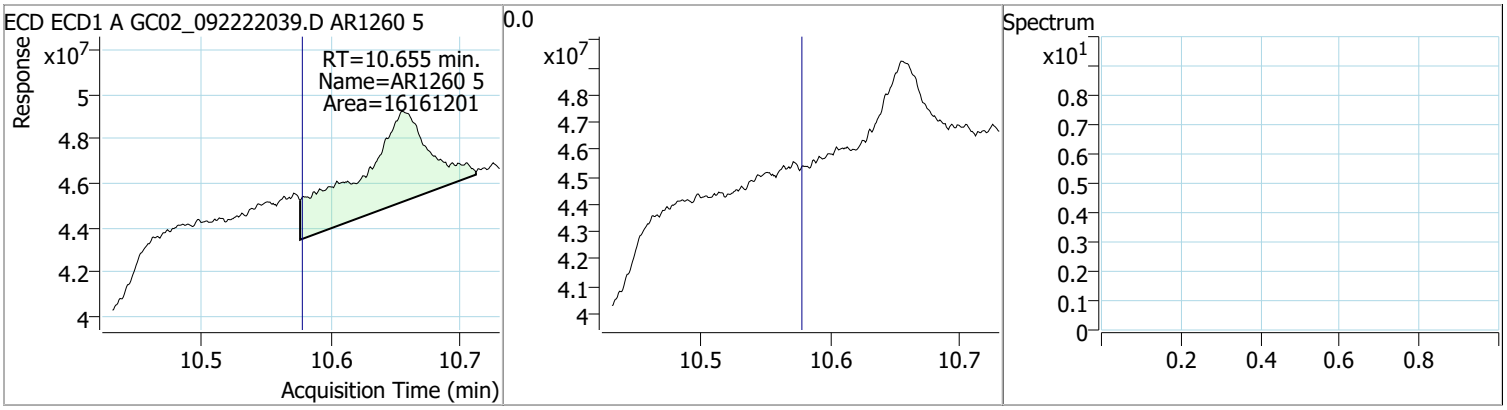
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.2161	9.83	0.03	5401				



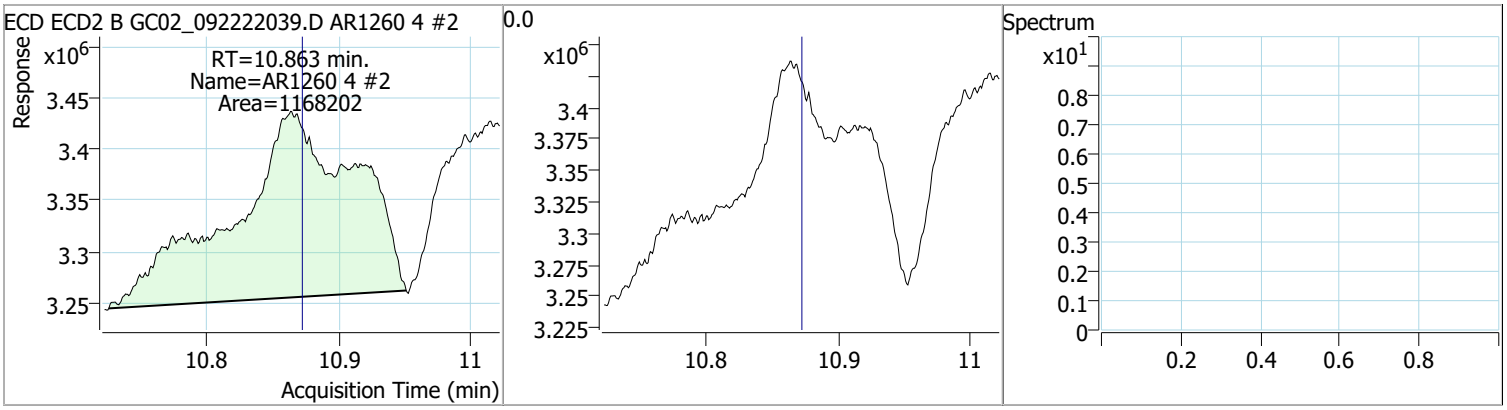
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	6.9707	10.33	-0.04	207225				



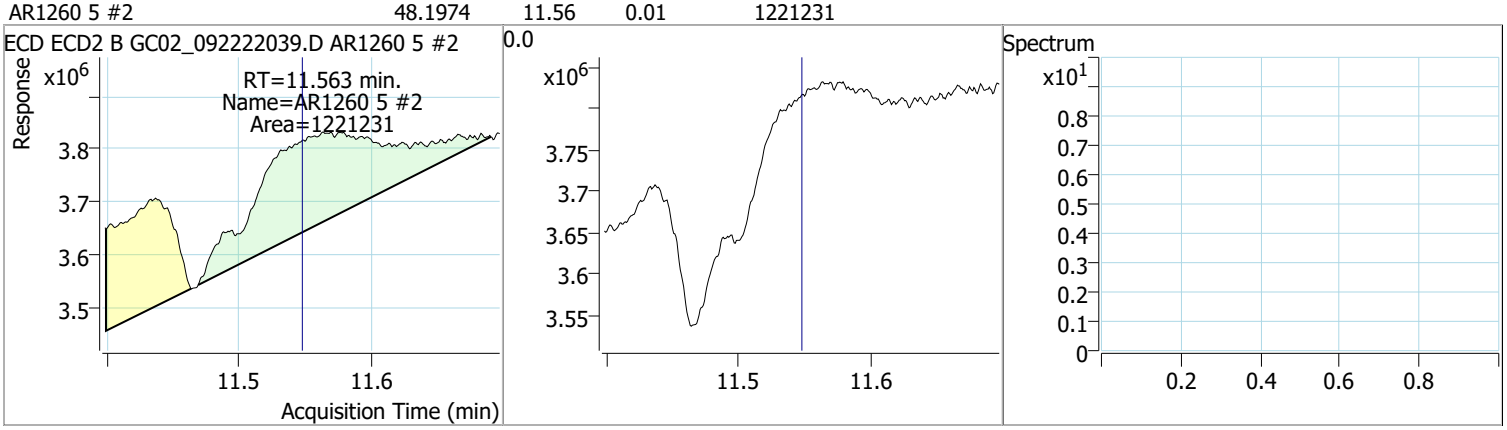
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	25.8275	10.65	0.07	16161201				



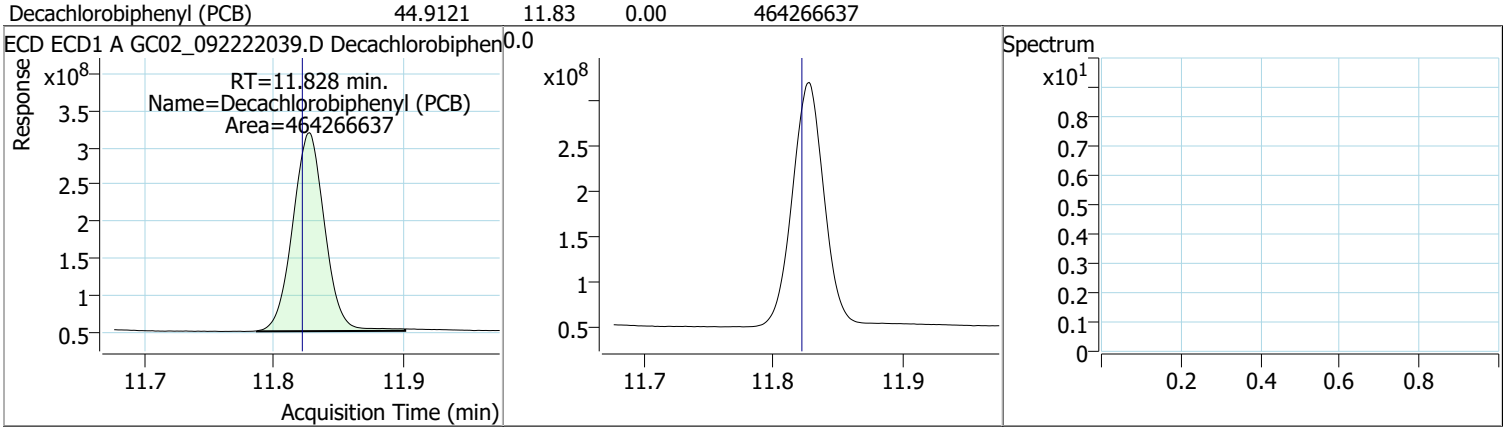
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	68.2240	10.86	-0.01	1168202				



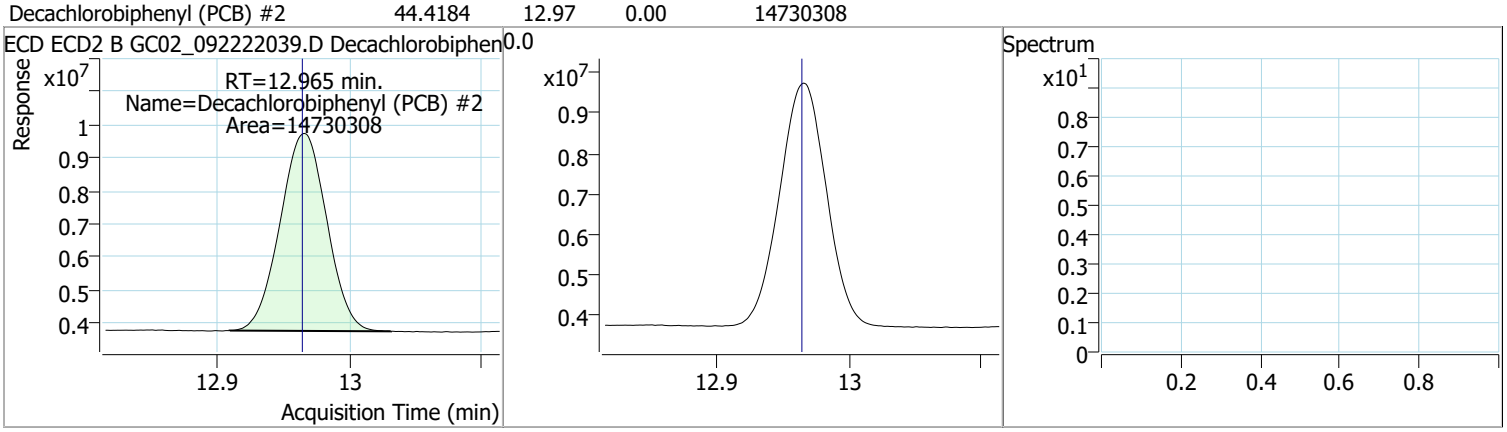
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	48.1974	11.56	0.01	1221231				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	44.9121	11.83	0.00	464266637				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	44.4184	12.97	0.00	14730308				



ENTHALPY SPIKE USER REPORT FOR 469273 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC02	Inst:	SVOA-GC02
Seqnum:	212379627014.2	Seqnum:	212379627015.2
File:	gc02_092022-014	File:	gc02_092022-015
IDF:	1.0	IDF:	1.0
Lab ID:	QC1014013	Lab ID:	QC1014014
Matrix:	Wipe	Matrix:	Wipe
Batch:	297328	Batch:	297328
Time:	20-SEP-2022 17:24	Time:	20-SEP-2022 17:42
Cal:	212360956002	Cal:	212360956002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	379.6	3.796	B	76	403.7	4.037	B	81	60-140	6	20	u
Aroclor-1016 Peak # 1		382.0	3.820	B		399.6	3.996	B					
Aroclor-1016 Peak # 2		388.3	3.883	B		411.0	4.110	B					
Aroclor-1016 Peak # 3		387.3	3.873	B		418.1	4.181	B					
Aroclor-1016 Peak # 4		355.5	3.555	B		379.0	3.790	B					
Aroclor-1016 Peak # 5		384.9	3.849	B		410.8	4.108	B					
Aroclor-1260	5.000	422.5	4.225	B	84	471.7	4.717	B	94	60-140	11	20	u
Aroclor-1260 Peak # 1		430.1	4.301	B		466.3	4.663	B					
Aroclor-1260 Peak # 2		419.9	4.199	B		456.1	4.561	B					
Aroclor-1260 Peak # 3		424.4	4.244	B		460.3	4.603	B					
Aroclor-1260 Peak # 4		415.4	4.154	B		513.6	5.136	B					
Aroclor-1260 Peak # 5		422.7	4.227	B		462.2	4.622	B					
Surrogates													
TCMX (PCB)	0.5000	39.48	0.3948	B	79	41.27	0.4127	B	83	52-186			c+ u
Decachlorobiphenyl (PCB)	0.5000	41.26	0.4126	B	83	45.21	0.4521	B	90	60-140			c+ u

ISTD (CCV gc02_092022-008)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5202550	6730009	29.36
1-bromo-2-nitrobenzene (PCB)	A	156453134	188397873	20.42

ISTD (CCV gc02_092022-008)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

ISTD (CCV gc02_092022-008)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5202550	6618907	27.22
1-bromo-2-nitrobenzene (PCB)	A	156453134	184607461	18.00

ISTD (CCV gc02_092022-008)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

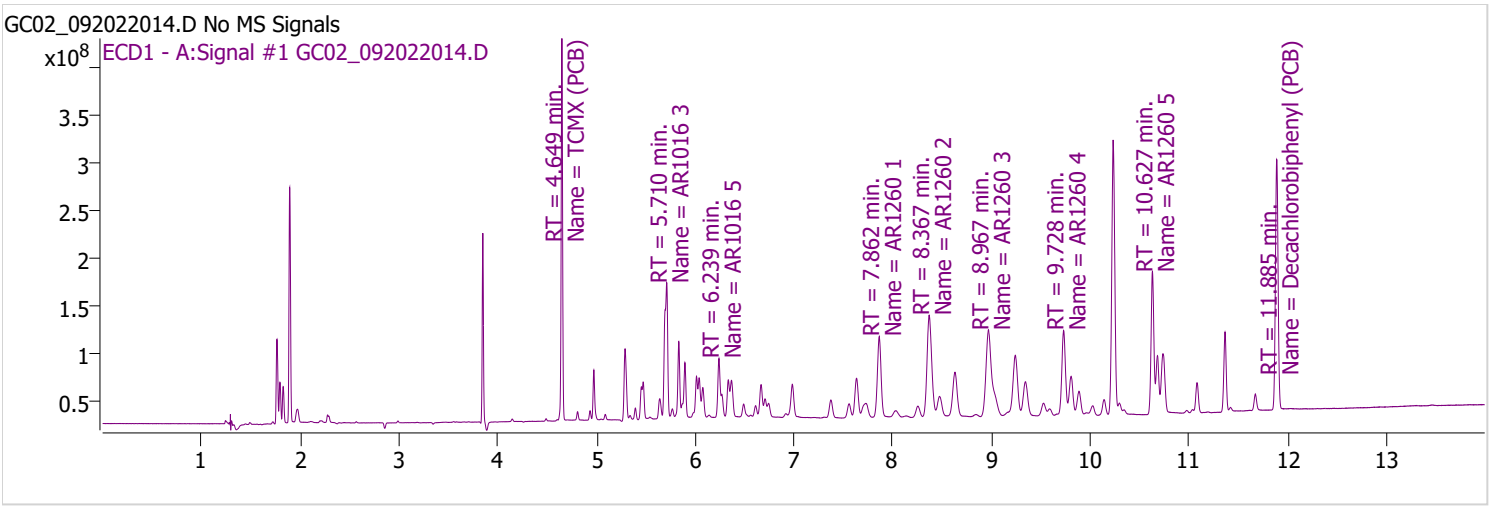
TJW 09/21/22 [Aroclor-1016 Peak # 3 A]: Manually integrated due to baseline corrections for all channels for spike & dup [general version]

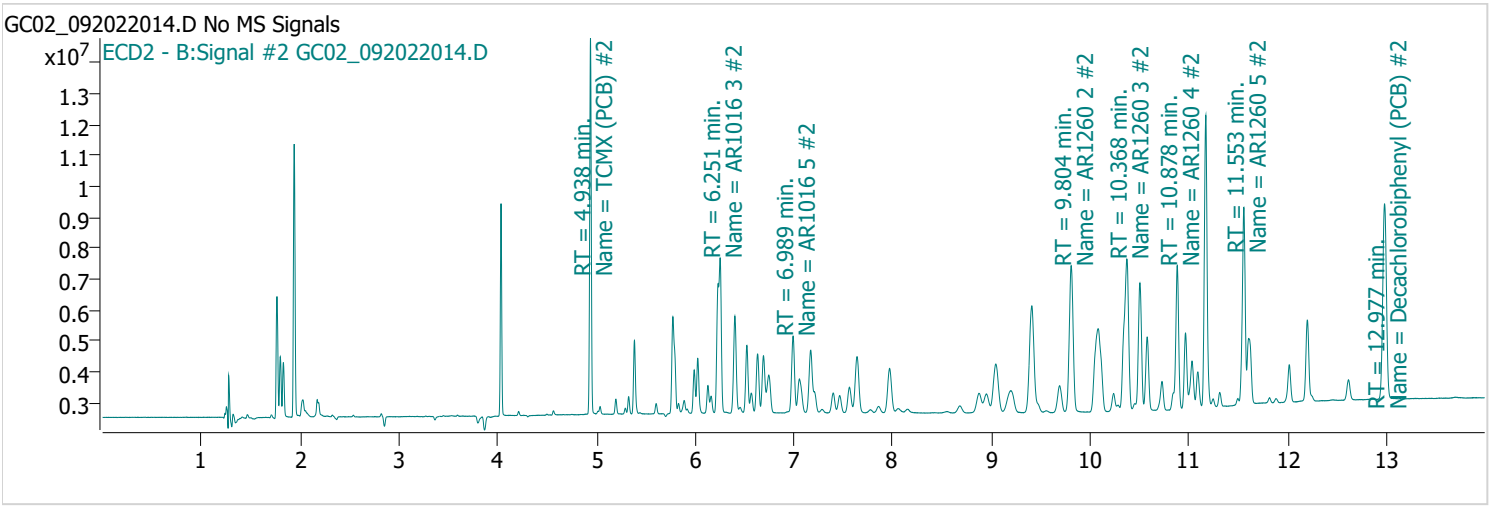
+=high bias c=CCV u=use

Analyst: TRN 09/26/22 **Reviewer:** SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092022014.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/20/2022 5:24:42 PM
Sample Name	QC1014013, 297328, 1	Instrument	SVOA-GC02
Vial	2	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_8.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	092022PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



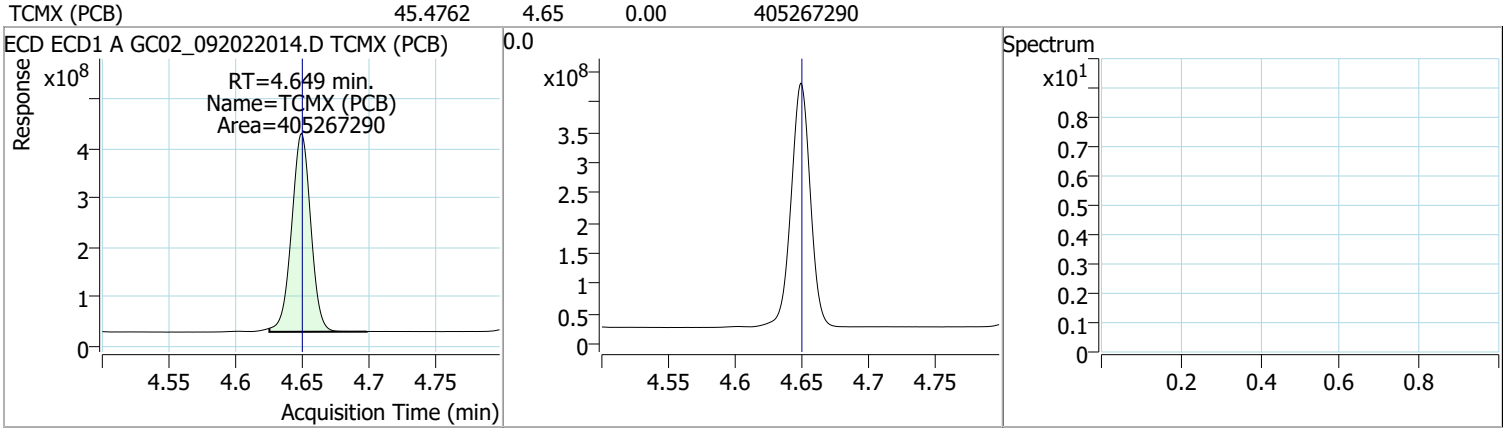


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.849	0.0	188397873.252	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.033	0.0	6730008.916	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.649	0.0	405267289.618	45.4762	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.38%		*	
S TCMX (PCB) #2	4.938	0.0	13798753.070	39.4793	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.40%		*	
S Decachlorobiphenyl (PCB)	11.885	0.0	499907569.368	44.5680	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 222.84%		*	
S Decachlorobiphenyl (PCB) #2	12.977	0.0	16624264.539	41.2560	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.28%		*	
Target Compounds							QValue

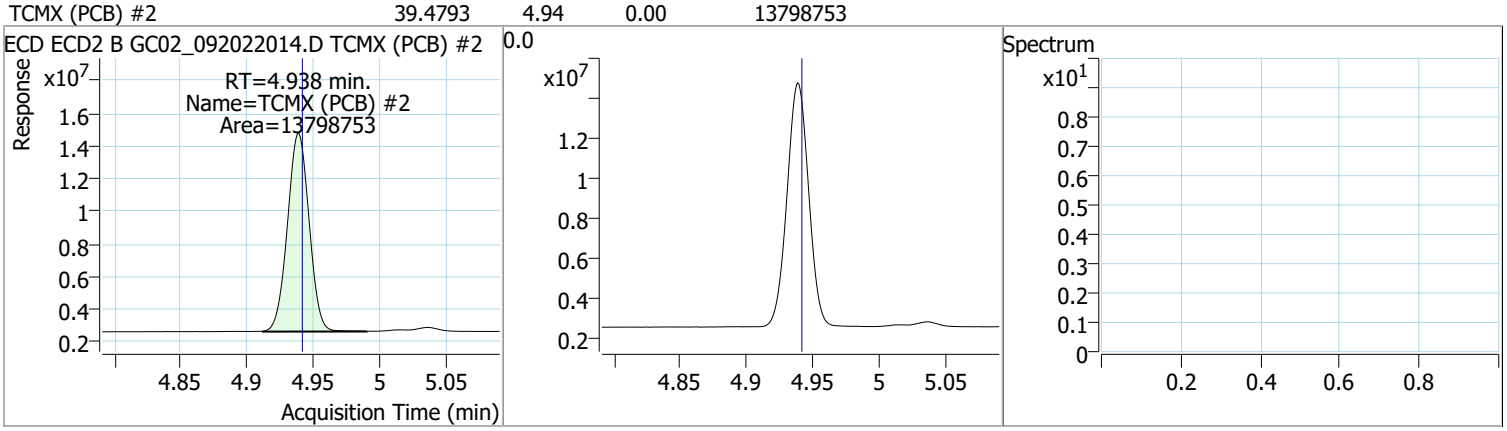
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.973	0.0	63408991.445	382.6846	ng/ml		100
T AR1016 2	5.288	0.0	125702952.646	392.9785	ng/ml		100
T AR1016 1 #2	5.383	0.0	3248603.966	382.0178	ng/ml		100
T AR1016 3	5.710	0.0	196812388.379	408.2644	ng/ml	m	100
T AR1016 2 #2	5.773	0.0	6667177.277	388.3131	ng/ml		100
T AR1016 4	5.833	0.0	107629484.958	379.1902	ng/ml		100
T AR1016 5	6.239	0.0	129759818.643	496.3644	ng/ml		100
T AR1016 3 #2	6.251	0.0	8062324.815	387.3179	ng/ml	m	100
T AR1016 4 #2	6.400	0.0	5835177.044	355.4757	ng/ml		100
T AR1016 5 #2	6.989	0.0	5093072.742	384.9428	ng/ml		100
T AR1260 1	7.862	0.0	220712604.333	437.2463	ng/ml		100
T AR1260 2	8.367	0.0	348264720.249	451.3532	ng/ml		100
T AR1260 3	8.967	0.0	339239446.284	394.0081	ng/ml		100
T AR1260 1 #2	9.406	0.0	11592177.228	430.0601	ng/ml		100
T AR1260 4	9.728	0.0	218276656.656	420.3838	ng/ml		100
T AR1260 2 #2	9.804	0.0	12752229.025	419.8908	ng/ml		100
T AR1260 3 #2	10.368	0.0	15330779.600	424.4161	ng/ml		100
T AR1260 5	10.627	0.0	293442401.514	432.1856	ng/ml		100
T AR1260 4 #2	10.878	0.0	8643917.424	415.4544	ng/ml		100
T AR1260 5 #2	11.553	0.0	13013447.439	422.6805	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

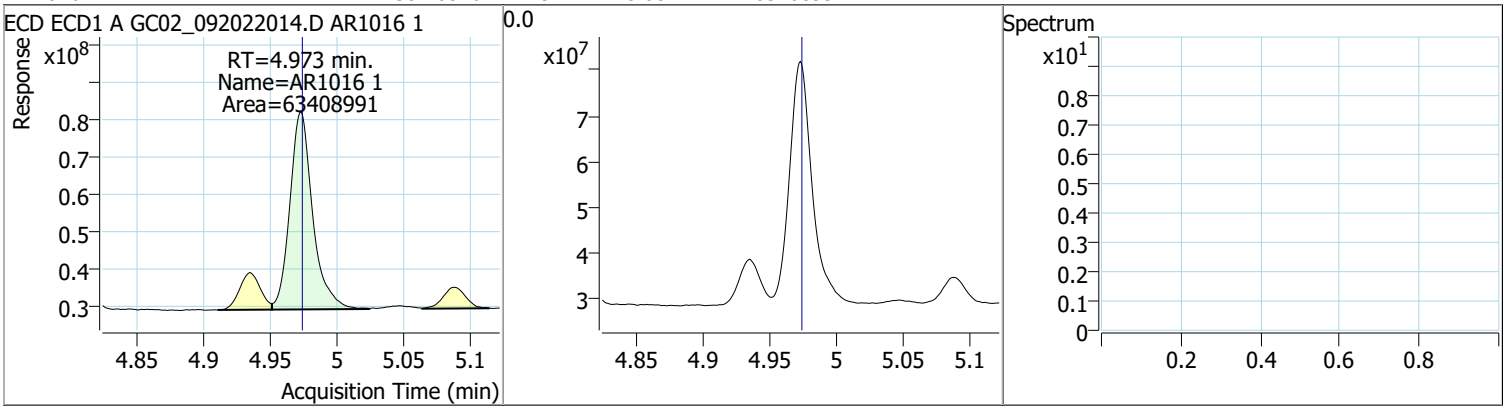
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	45.4762	4.65	0.00	405267290				



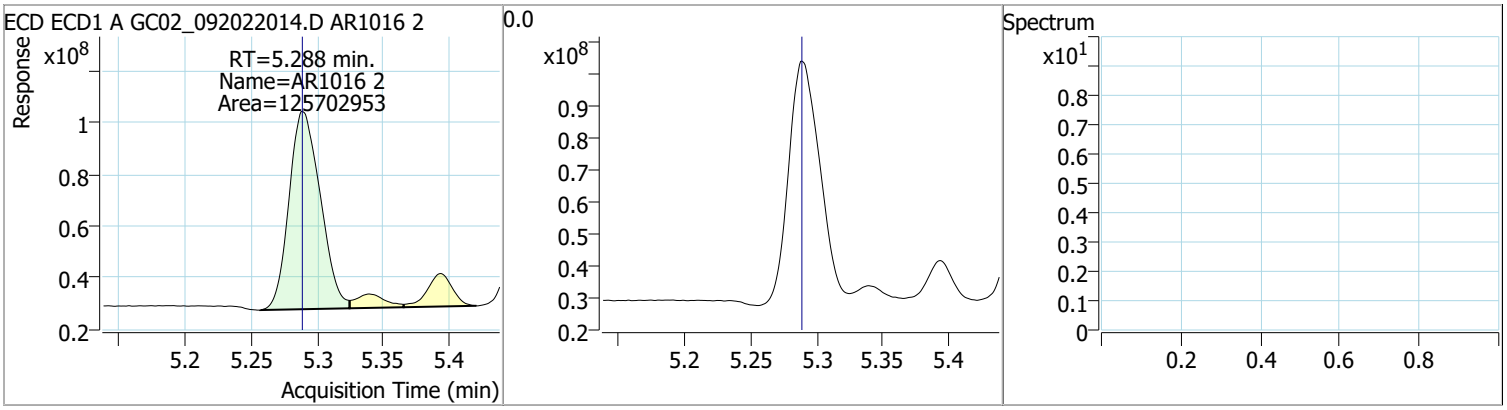
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.4793	4.94	0.00	13798753				



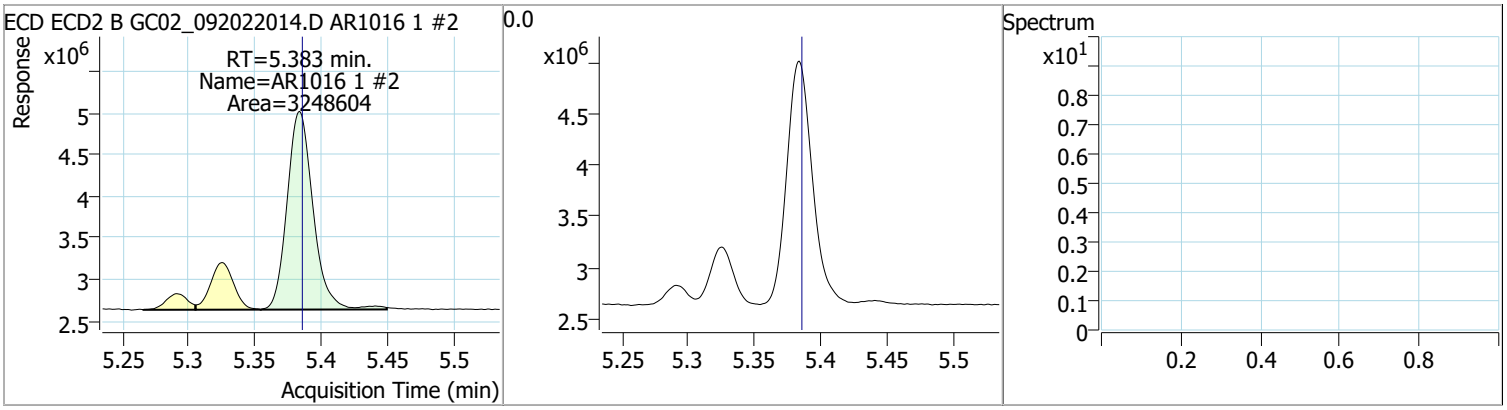
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	382.6846	4.97	0.00	63408991				



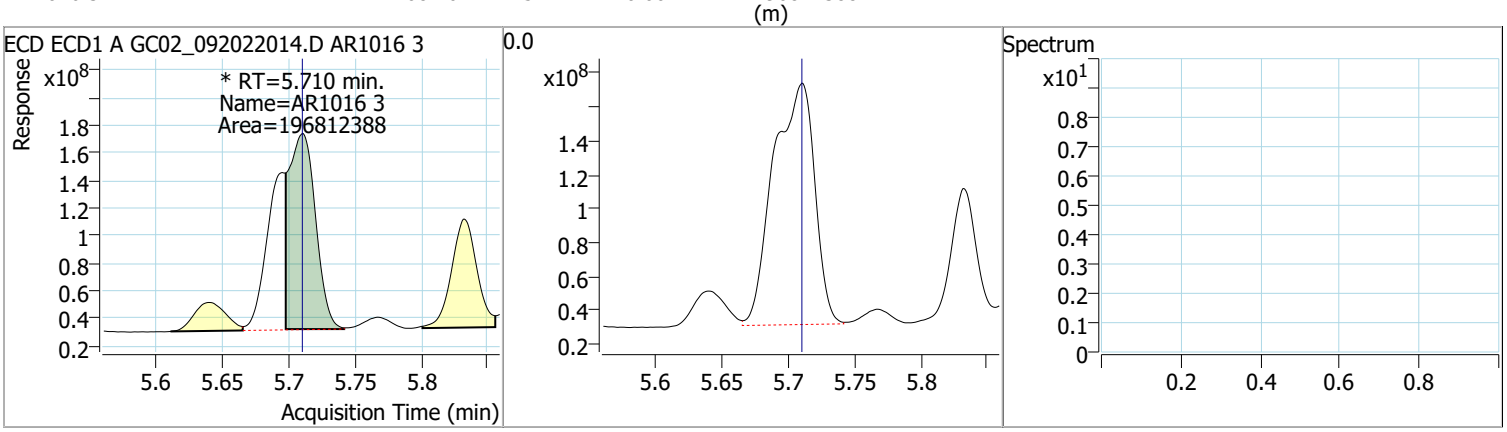
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	392.9785	5.29	0.00	125702953				



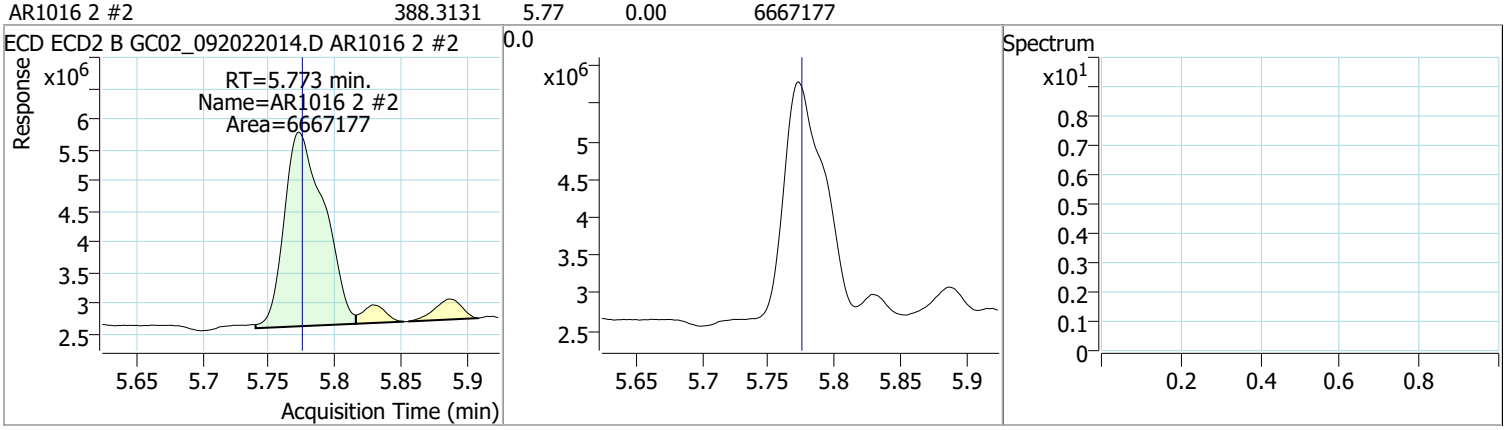
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	382.0178	5.38	0.00	3248604				



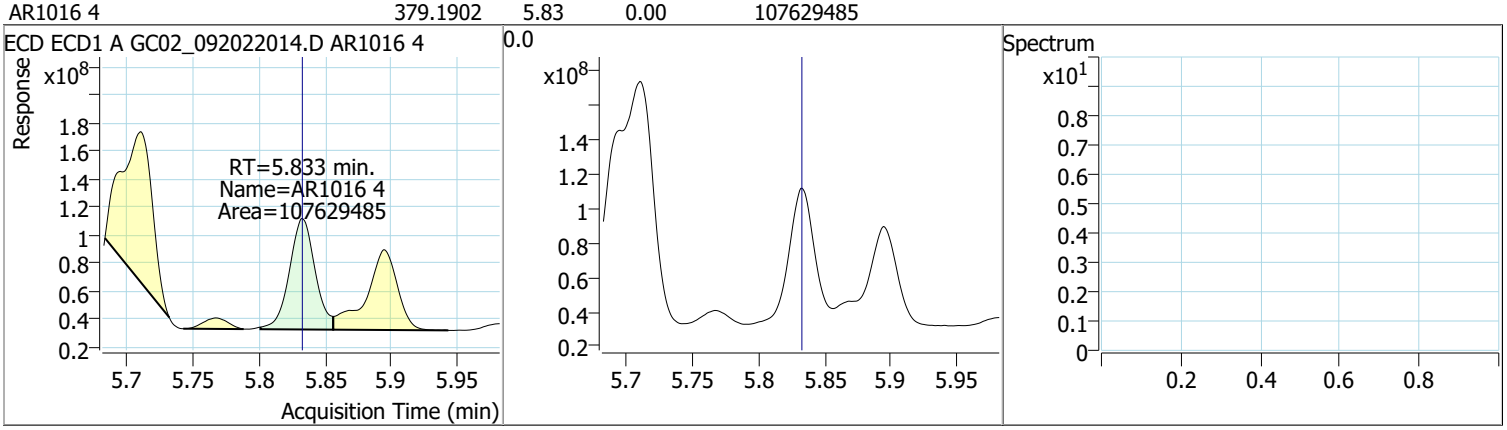
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	408.2644	5.71	0.00	196812388 (m)				



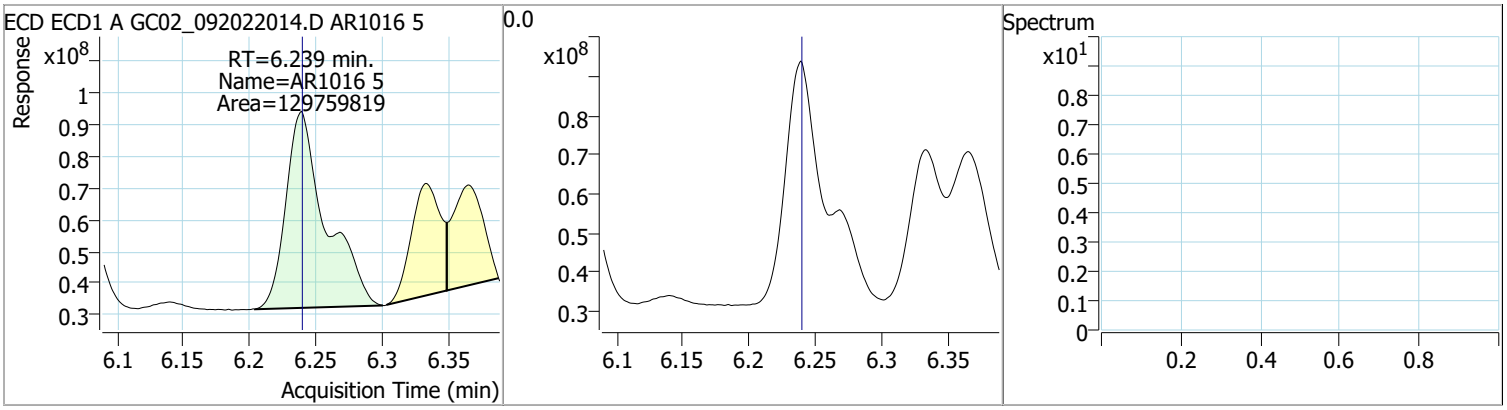
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	388.3131	5.77	0.00	6667177				



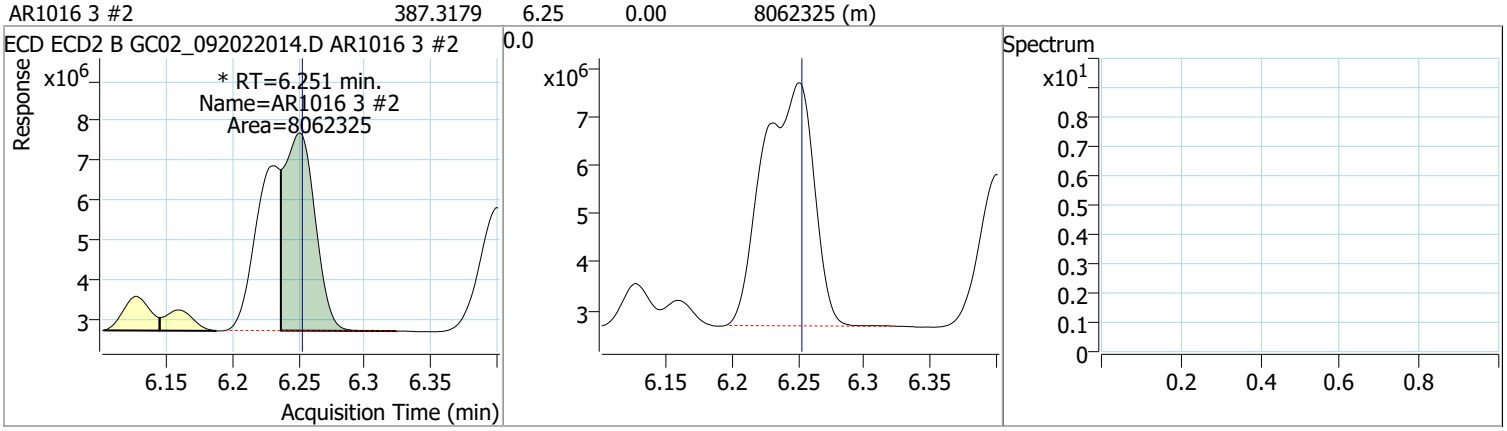
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	379.1902	5.83	0.00	107629485				



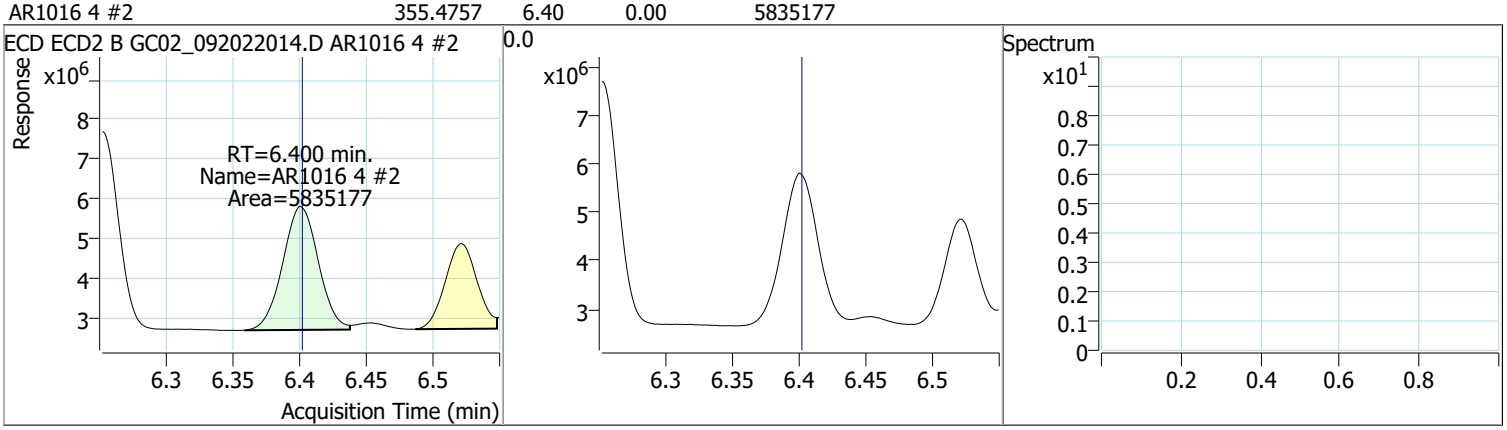
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	496.3644	6.24	0.00	129759819				



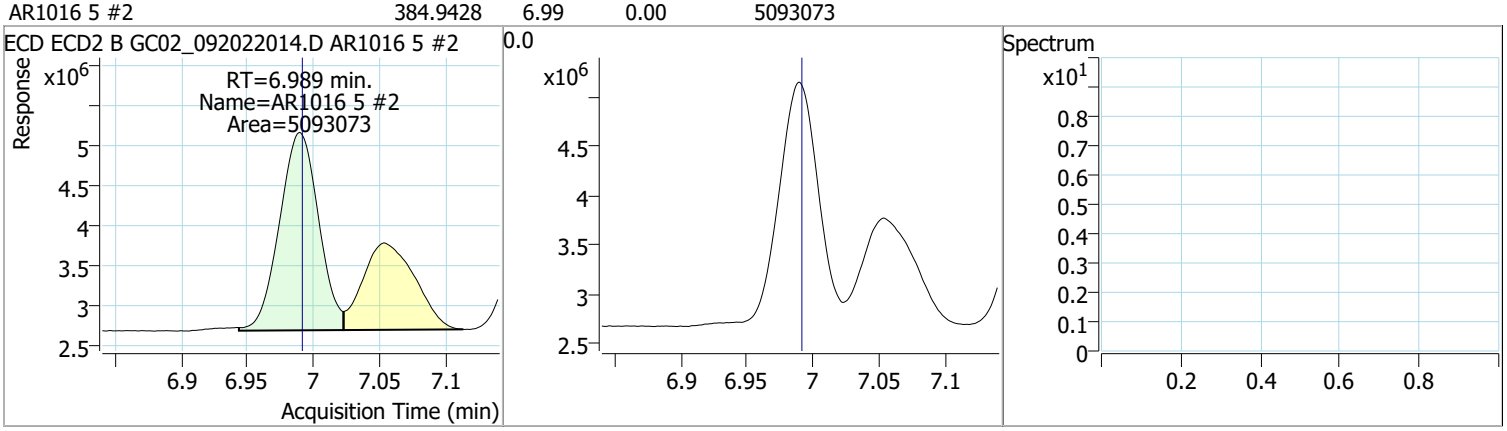
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	387.3179	6.25	0.00	8062325 (m)				



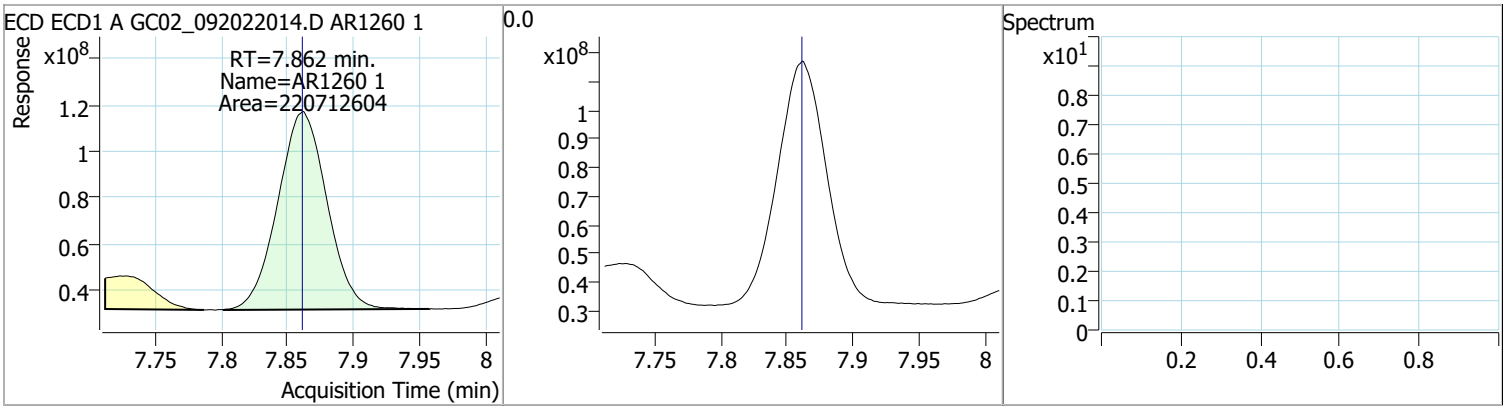
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	355.4757	6.40	0.00	5835177				



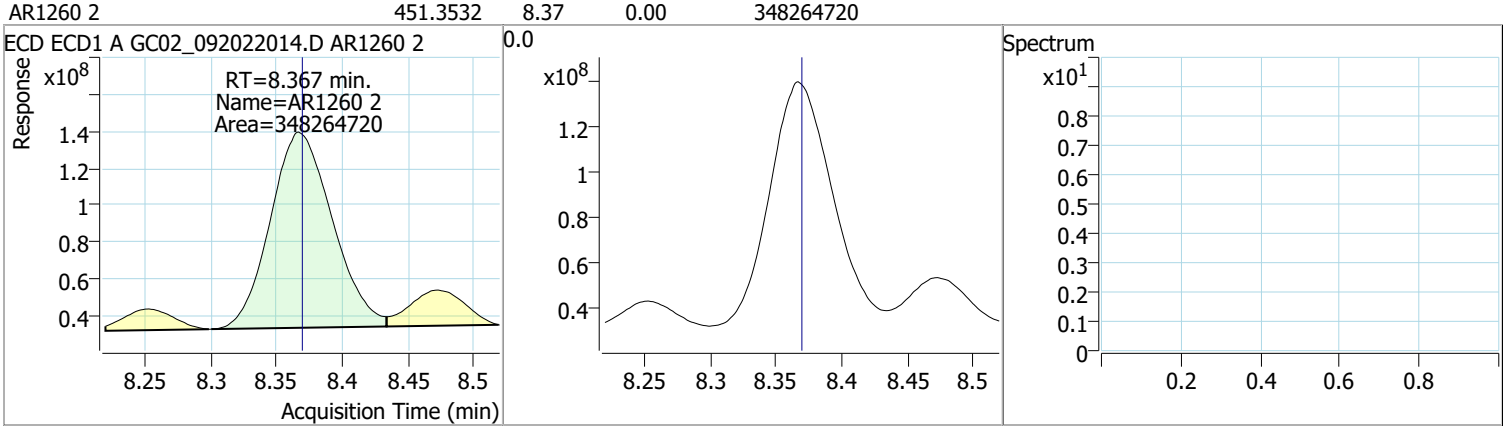
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	384.9428	6.99	0.00	5093073				



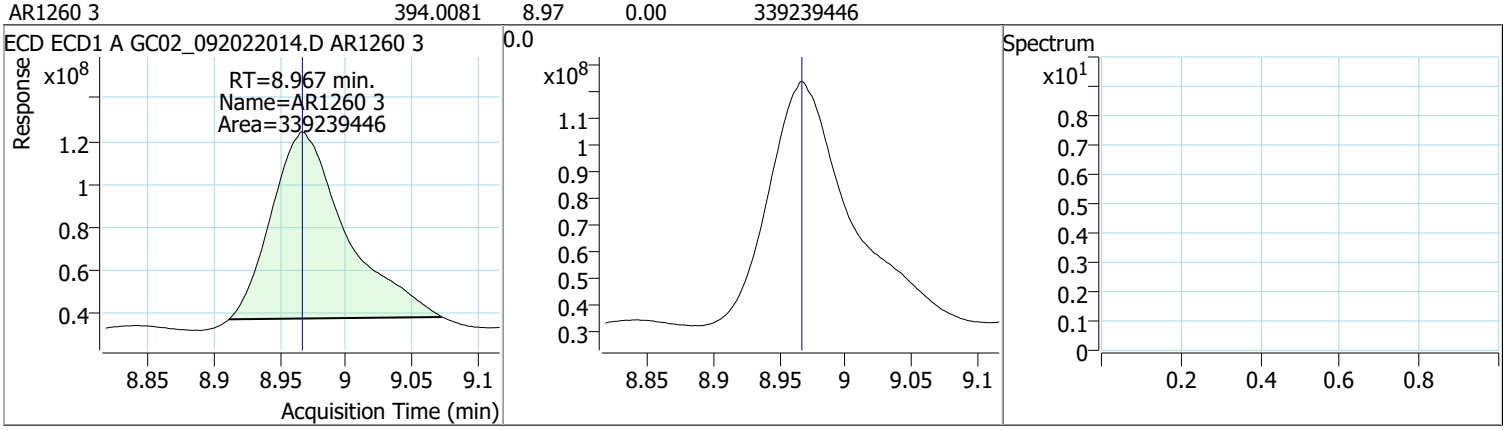
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	437.2463	7.86	0.00	220712604				



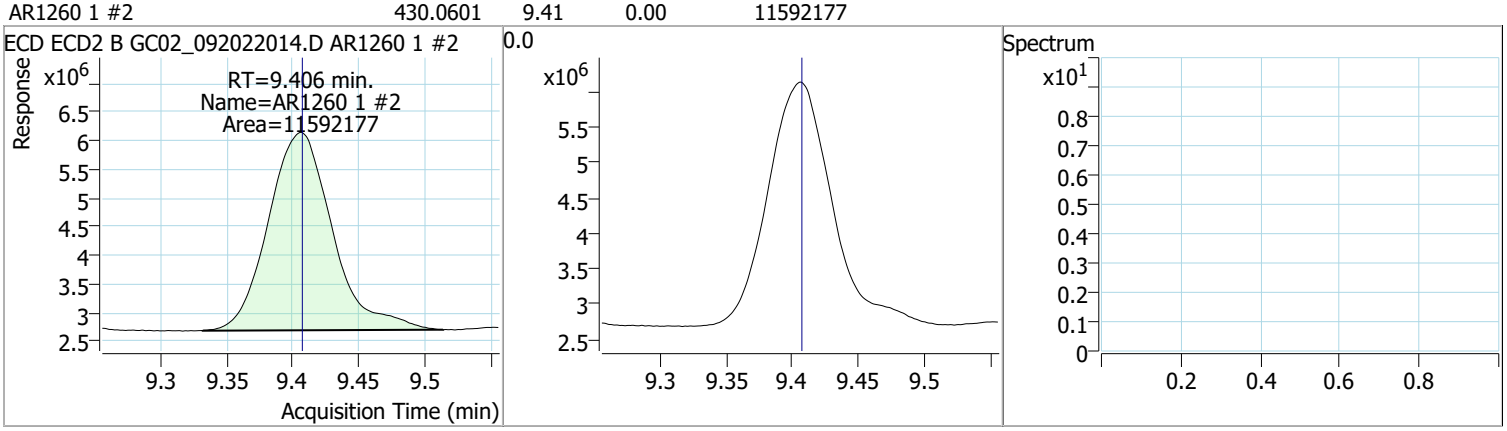
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	451.3532	8.37	0.00	348264720				



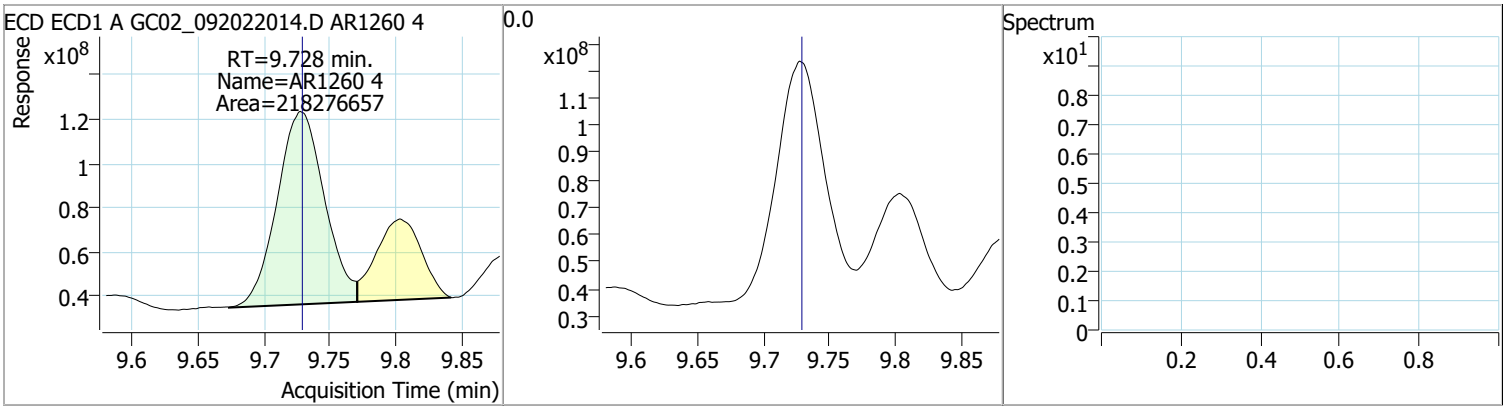
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	394.0081	8.97	0.00	339239446				



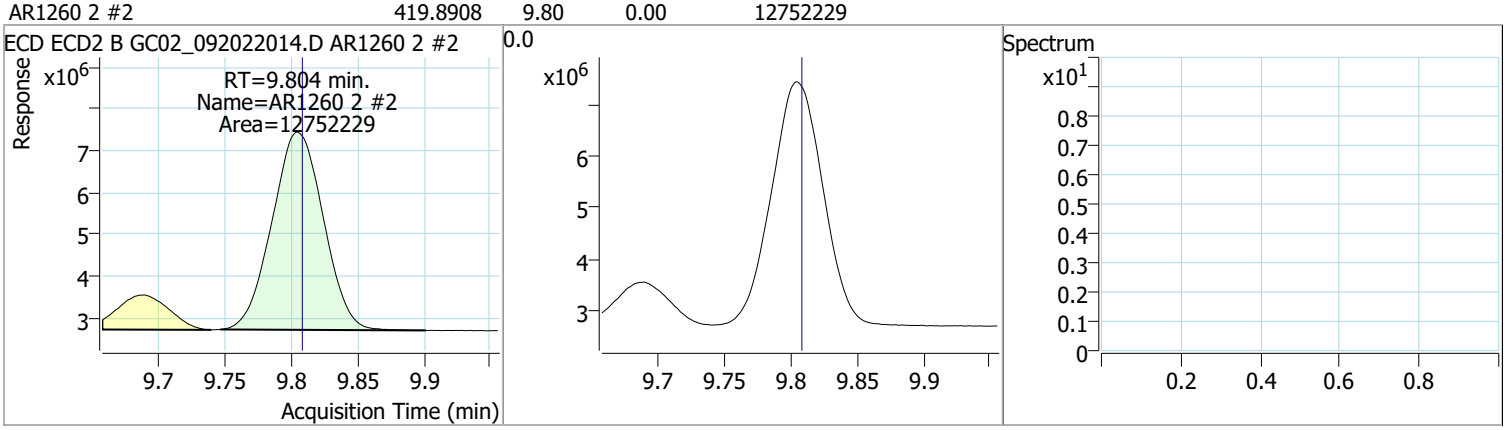
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	430.0601	9.41	0.00	11592177				



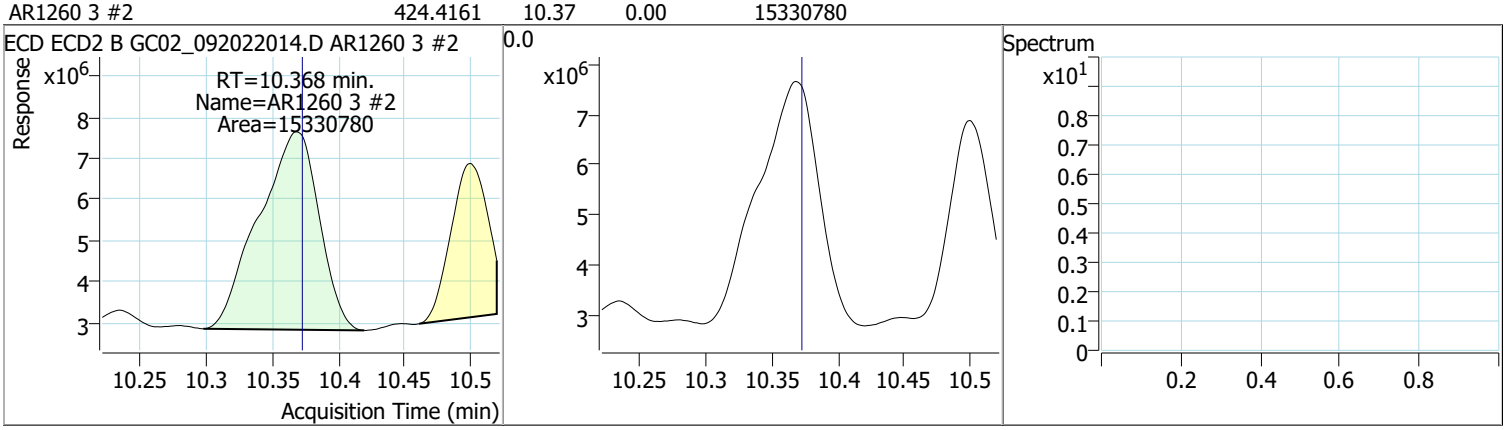
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	420.3838	9.73	0.00	218276657				



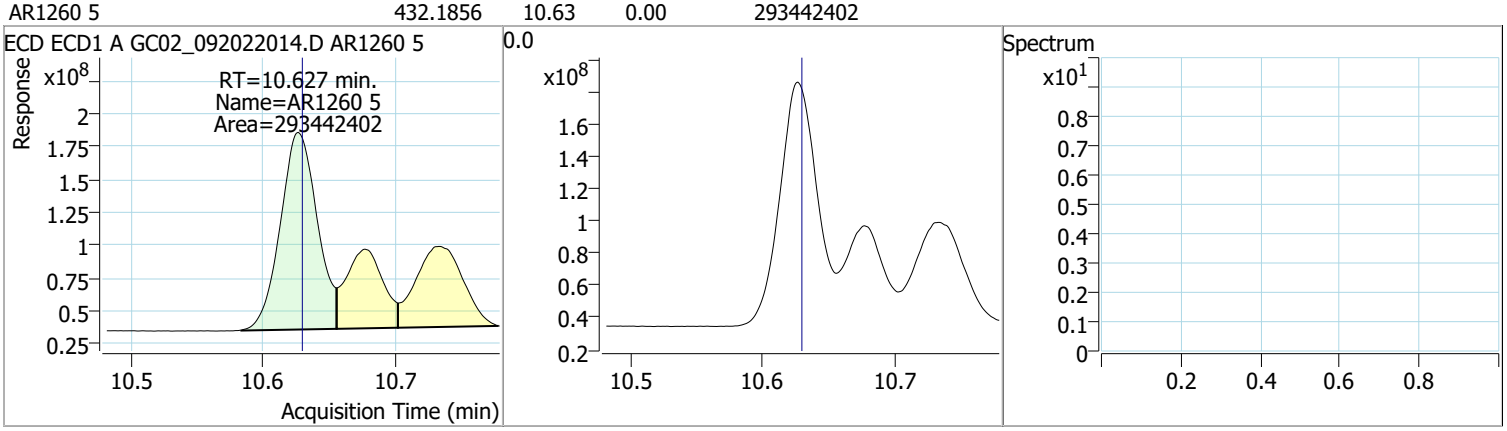
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	419.8908	9.80	0.00	12752229				



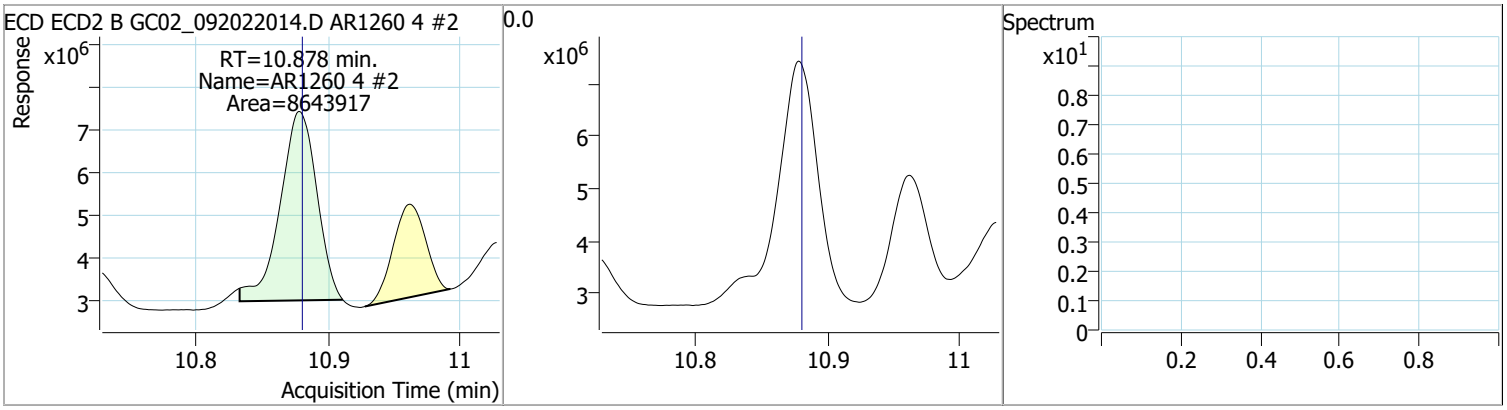
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	424.4161	10.37	0.00	15330780				



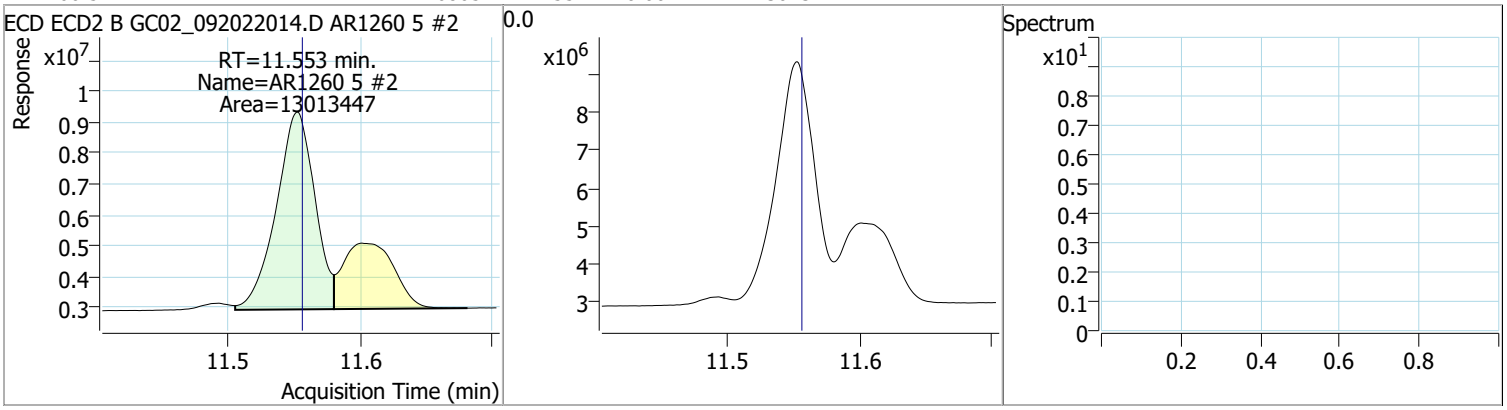
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	432.1856	10.63	0.00	293442402				



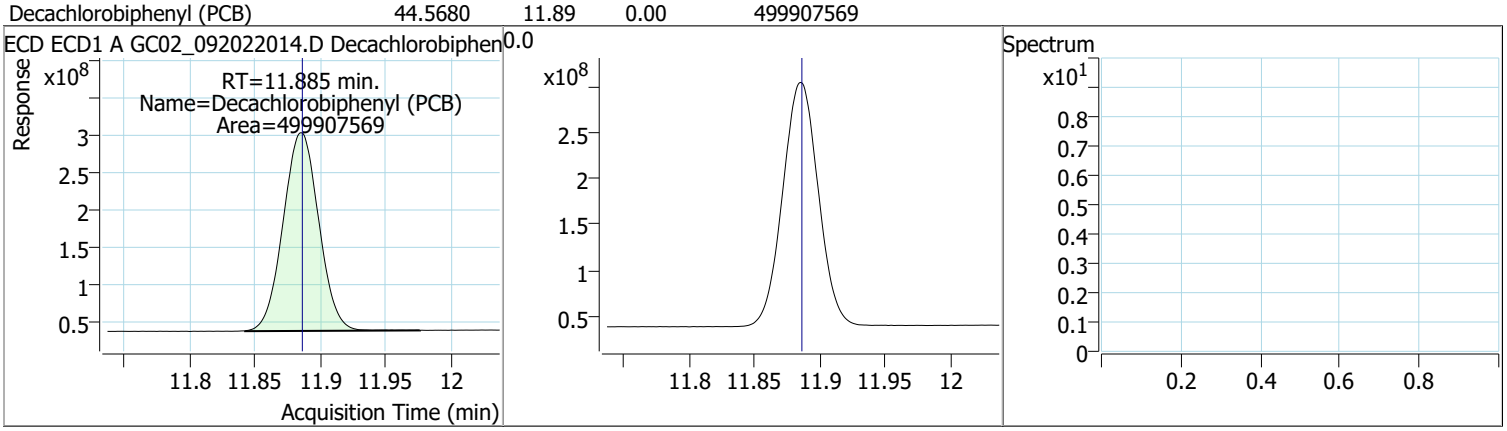
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	415.4544	10.88	0.00	8643917				



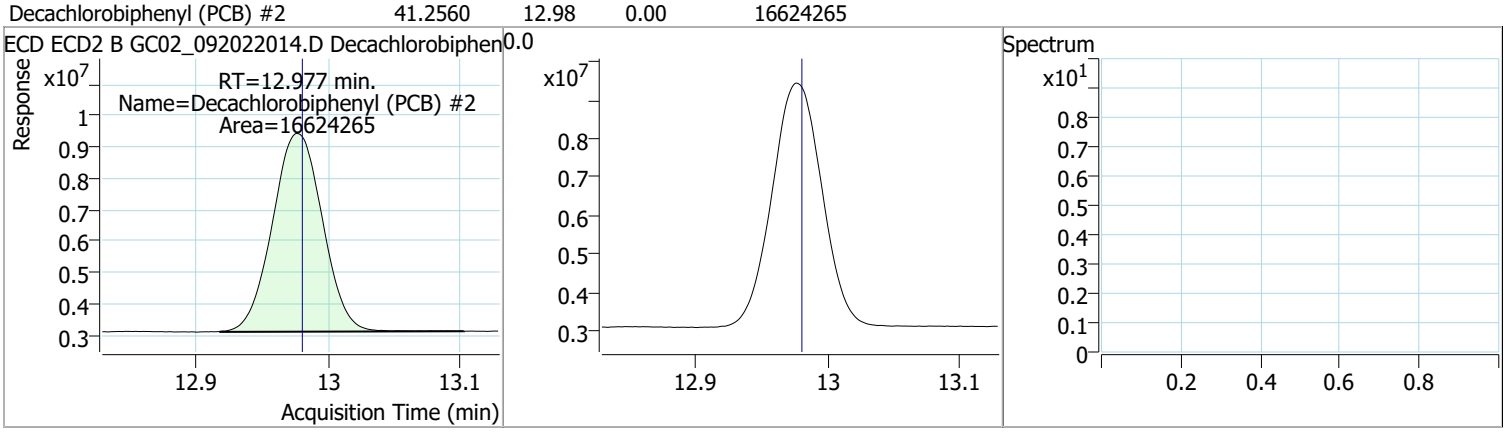
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	422.6805	11.55	0.00	13013447				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	44.5680	11.89	0.00	499907569				

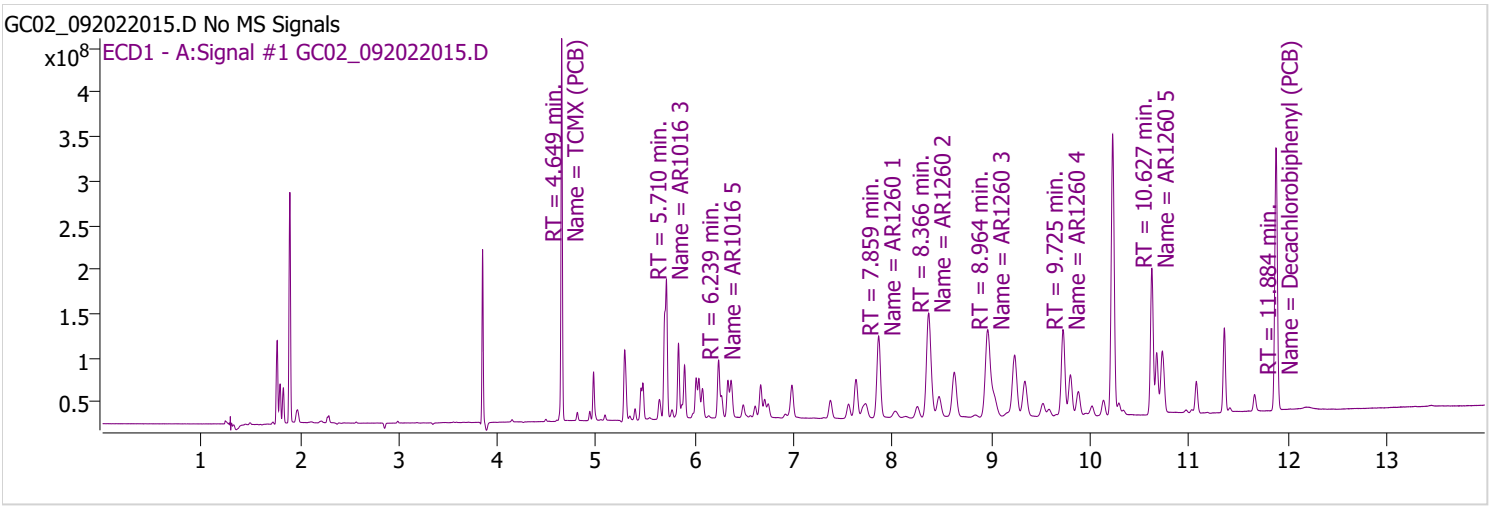


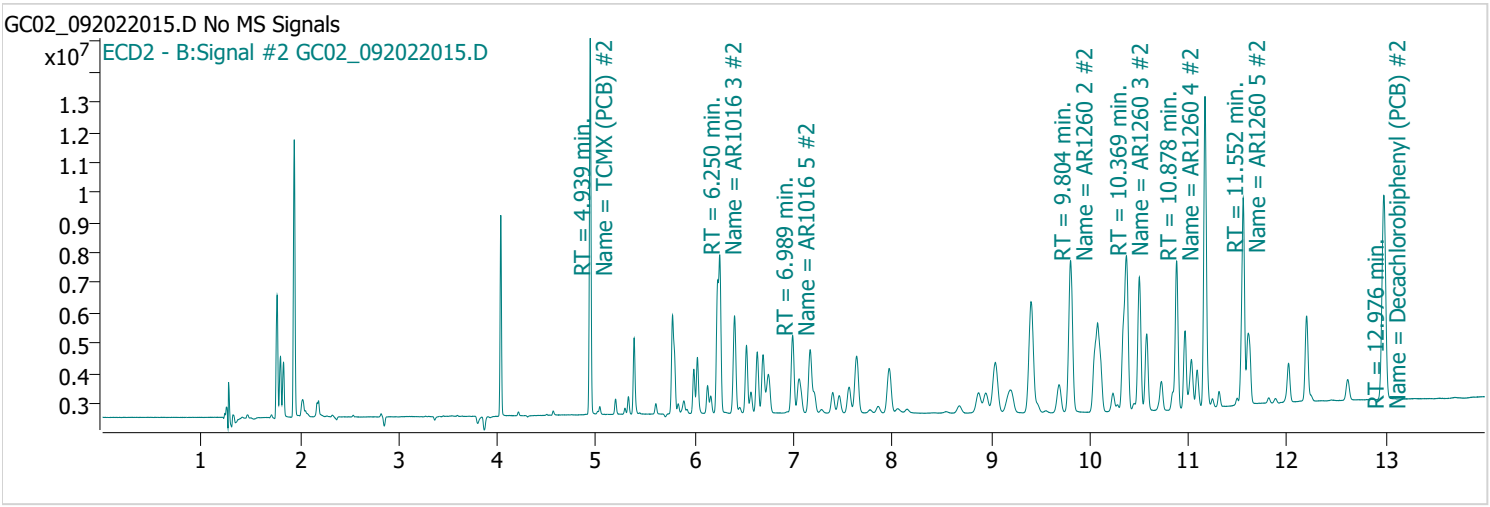
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.2560	12.98	0.00	16624265				



Quantitation Results Report (Not Reviewed)

Data File	GC02_092022015.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/20/2022 5:42:32 PM
Sample Name	QC1014014, 297328, 1	Instrument	SVOA-GC02
Vial	3	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_8.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	092022PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



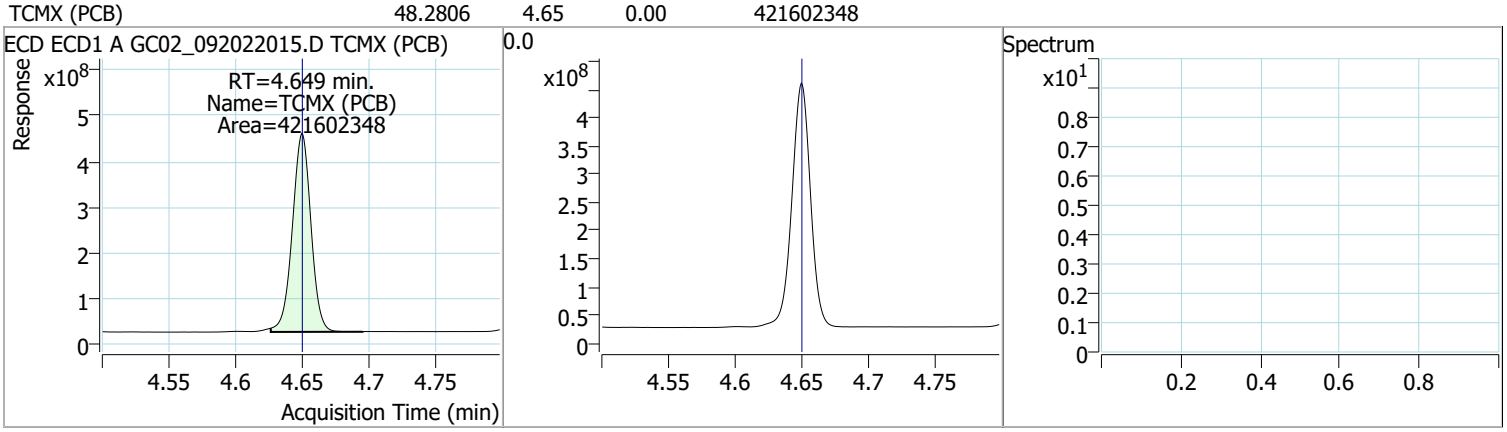


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.849	0.0	184607461.138	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.033	0.0	6618907.441	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.649	0.0	421602348.125	48.2806	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 241.40%		*	
S TCMX (PCB) #2	4.939	0.0	14185129.873	41.2660	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.33%		*	
S Decachlorobiphenyl (PCB)	11.884	0.0	556704162.030	50.6507	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 253.25%		*	
S Decachlorobiphenyl (PCB) #2	12.976	0.0	17915191.792	45.2059	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.03%		*	
Target Compounds							QValue

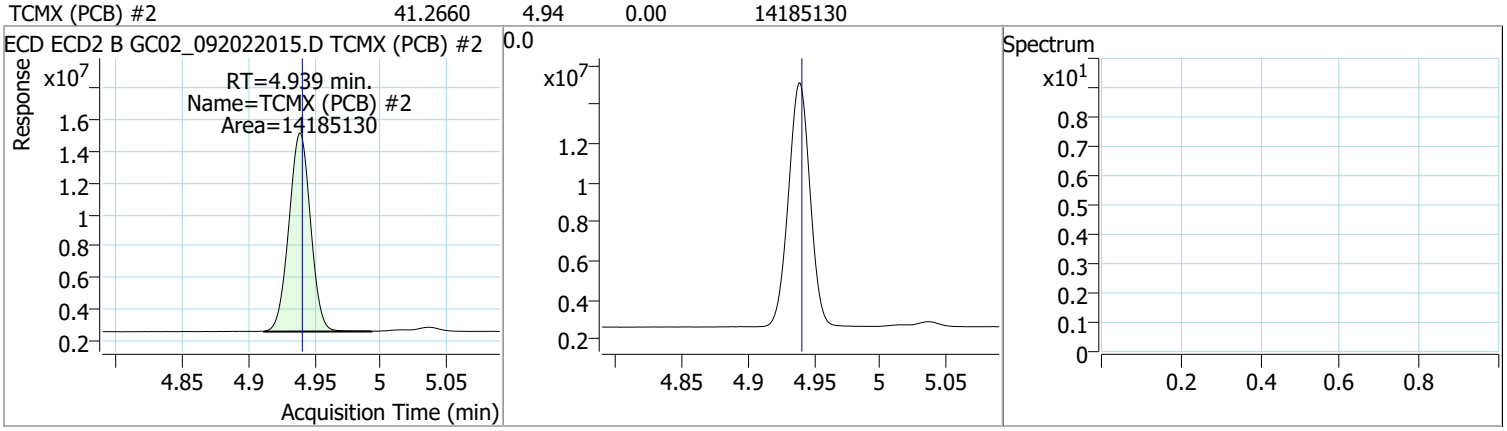
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.973	0.0	66194050.038	407.6954	ng/ml		100
T AR1016 2	5.288	0.0	132698607.442	423.3665	ng/ml		100
T AR1016 1 #2	5.384	0.0	3342371.755	399.6418	ng/ml		100
T AR1016 3	5.710	0.0	188323989.366	398.6772	ng/ml	m	100
T AR1016 2 #2	5.773	0.0	6940464.642	411.0152	ng/ml		100
T AR1016 4	5.832	0.0	113226748.887	407.1005	ng/ml		100
T AR1016 5	6.239	0.0	137287191.478	535.9412	ng/ml		100
T AR1016 3 #2	6.250	0.0	8559011.232	418.0807	ng/ml	m	100
T AR1016 4 #2	6.400	0.0	6118448.468	378.9890	ng/ml		100
T AR1016 5 #2	6.989	0.0	5345478.547	410.8017	ng/ml		100
T AR1260 1	7.859	0.0	234999626.319	475.1087	ng/ml		100
T AR1260 2	8.366	0.0	379910147.858	502.4753	ng/ml		100
T AR1260 3	8.964	0.0	373555888.807	438.2197	ng/ml		100
T AR1260 1 #2	9.403	0.0	12360727.611	466.2700	ng/ml		100
T AR1260 4	9.725	0.0	238419396.531	468.6051	ng/ml		100
T AR1260 2 #2	9.804	0.0	13623810.889	456.1191	ng/ml		100
T AR1260 3 #2	10.369	0.0	16353618.061	460.3316	ng/ml		100
T AR1260 5	10.627	0.0	324233175.670	487.3395	ng/ml		100
T AR1260 4 #2	10.878	0.0	10509279.765	513.5882	ng/ml		100
T AR1260 5 #2	11.552	0.0	13996750.780	462.2494	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

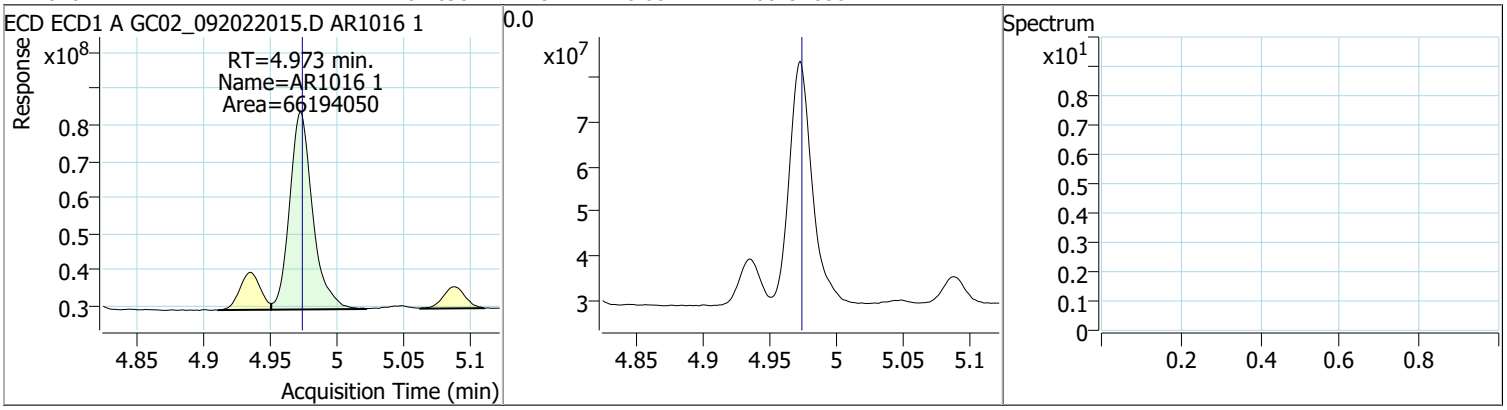
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	48.2806	4.65	0.00	421602348				



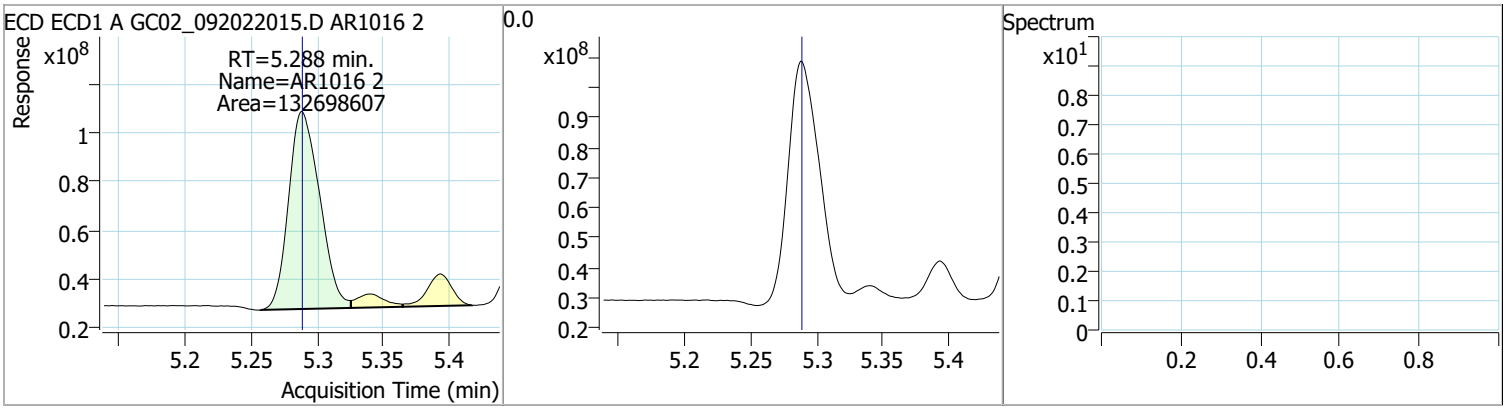
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.2660	4.94	0.00	14185130				



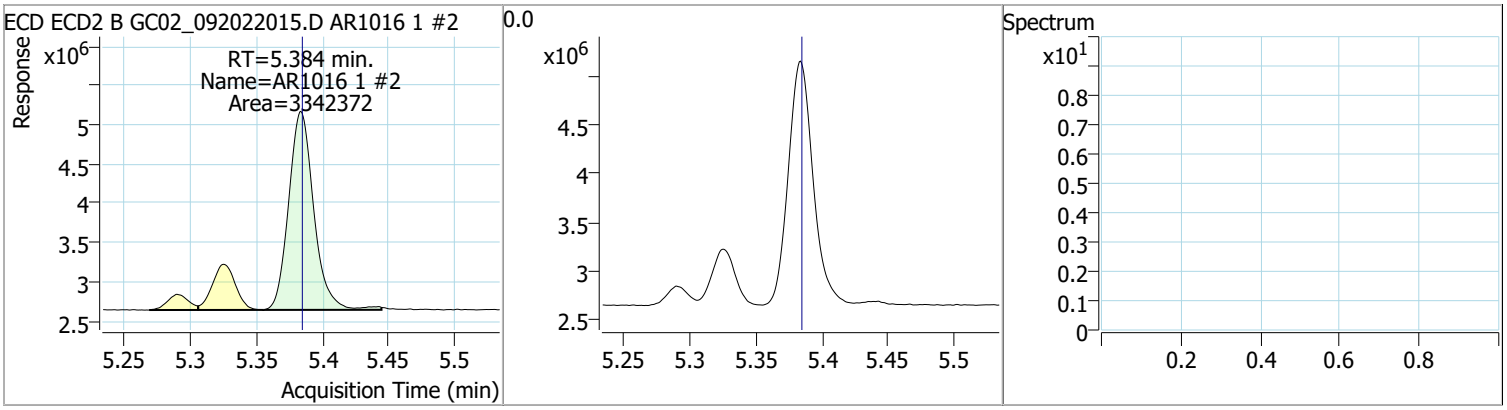
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	407.6954	4.97	0.00	66194050				



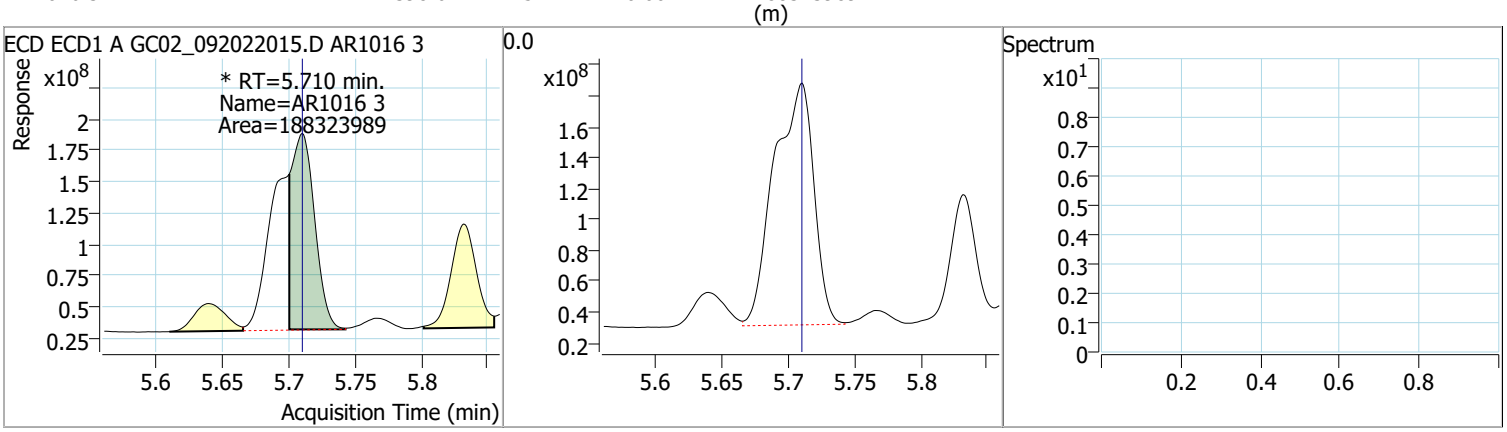
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	423.3665	5.29	0.00	132698607				



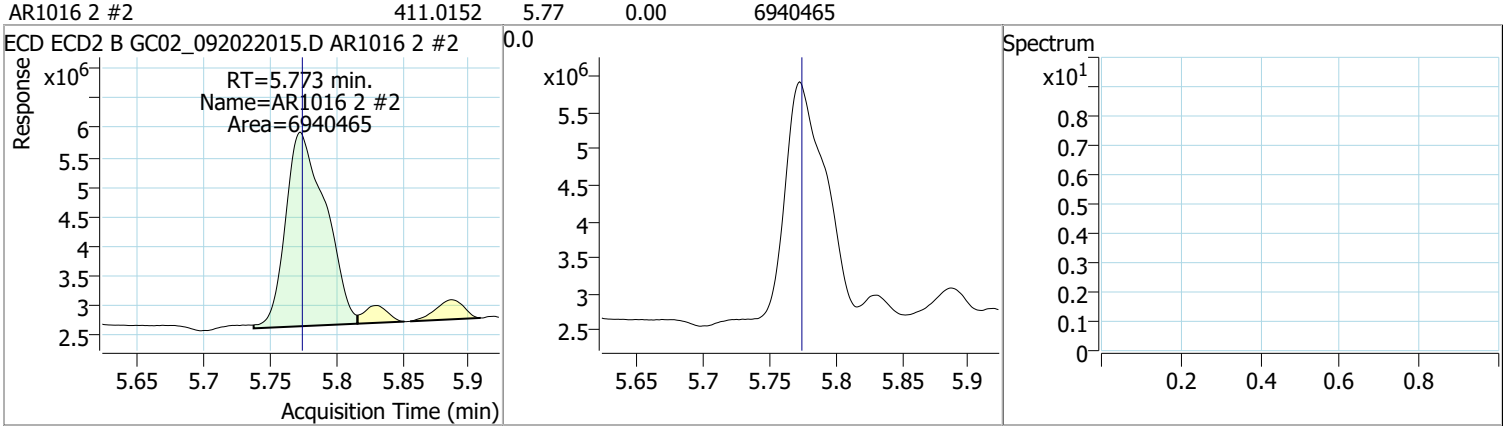
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	399.6418	5.38	0.00	3342372				



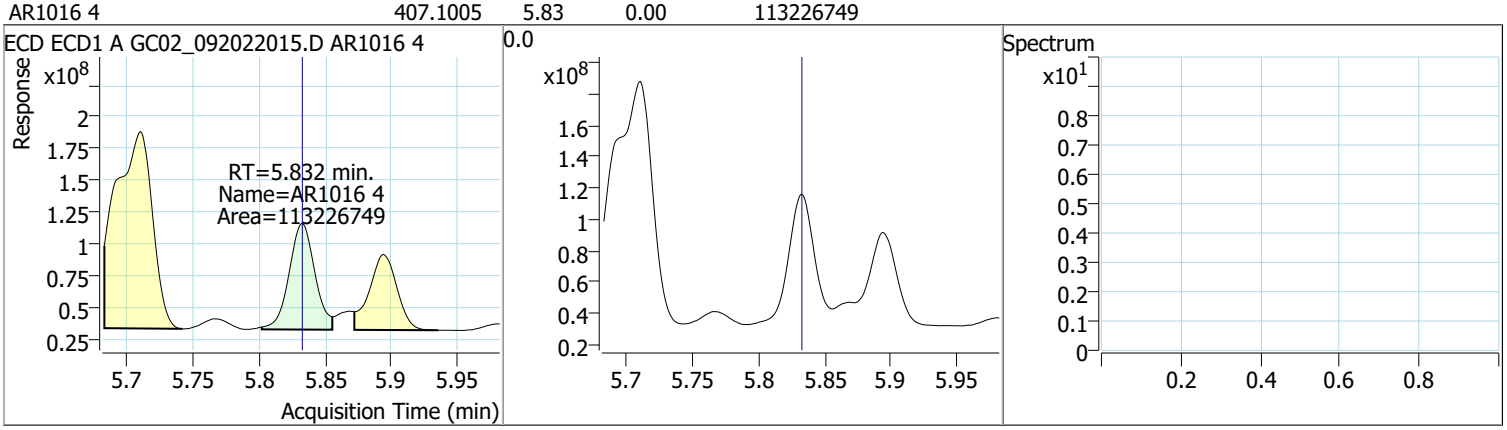
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	398.6772	5.71	0.00	188323989 (m)				



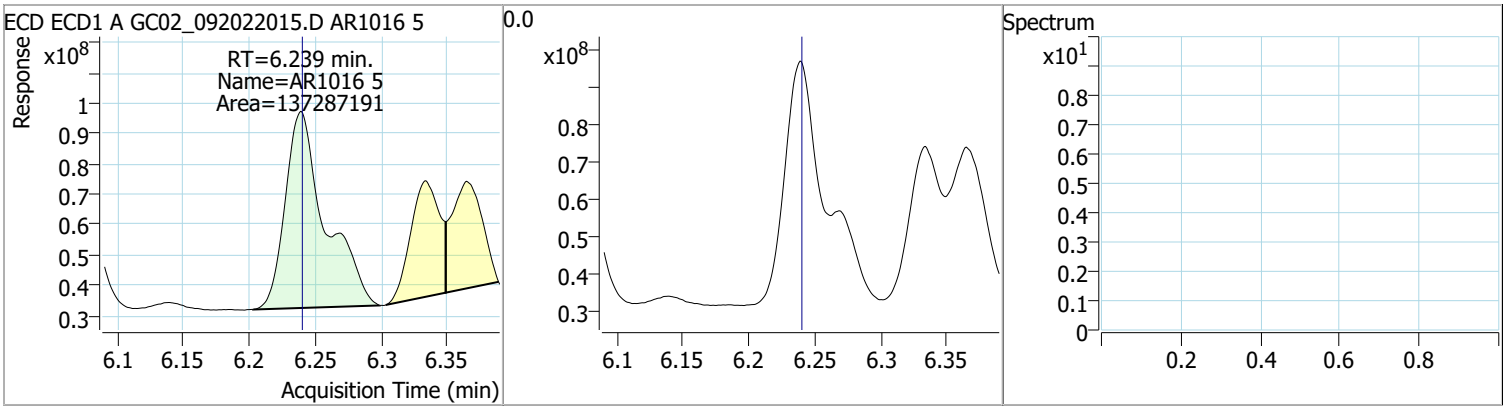
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	411.0152	5.77	0.00	6940465				



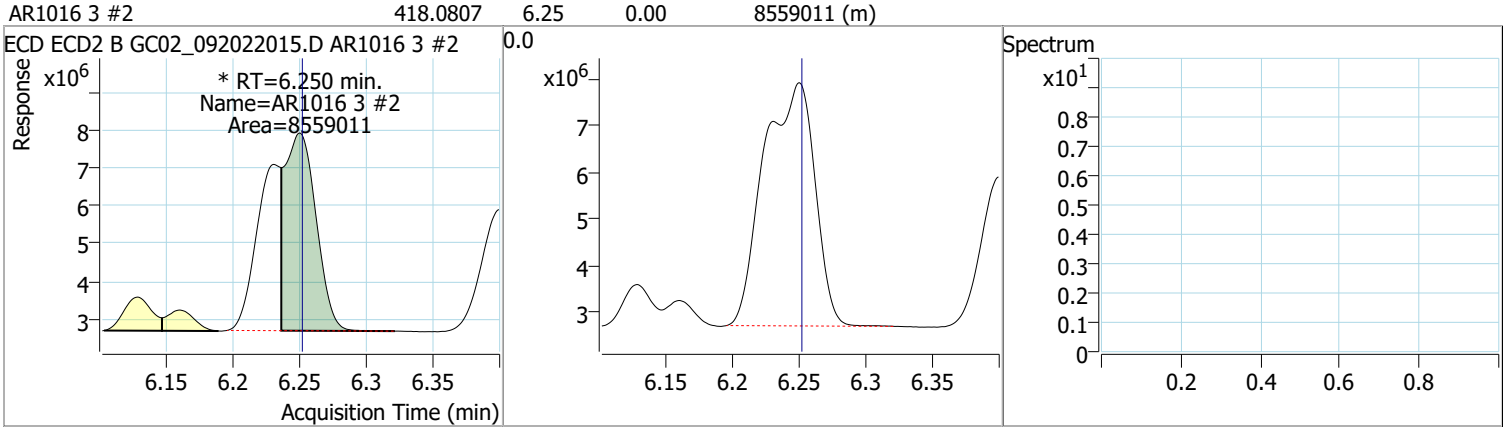
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	407.1005	5.83	0.00	113226749				



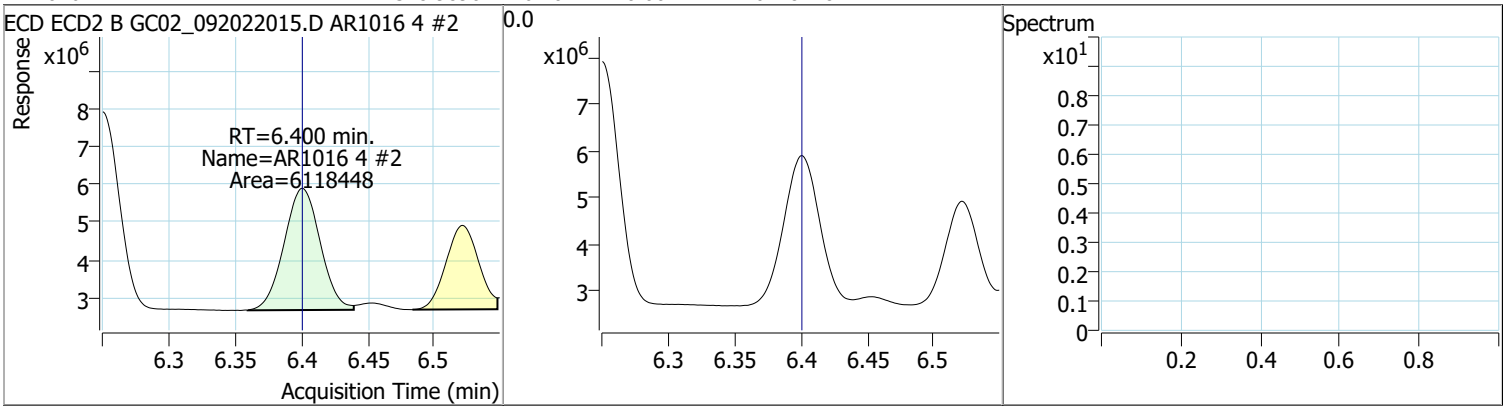
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	535.9412	6.24	0.00	137287191				



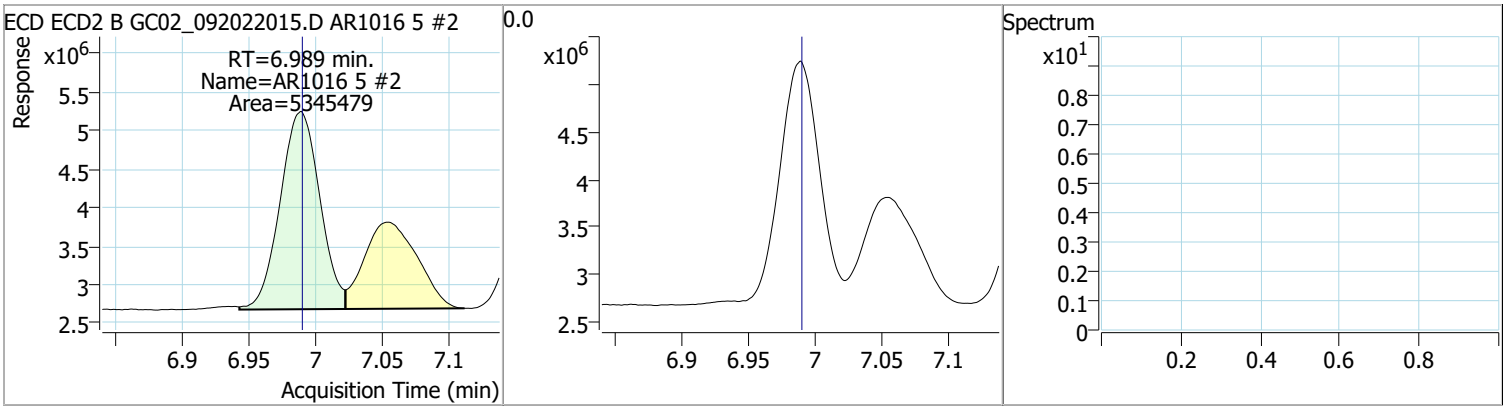
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	418.0807	6.25	0.00	8559011 (m)				



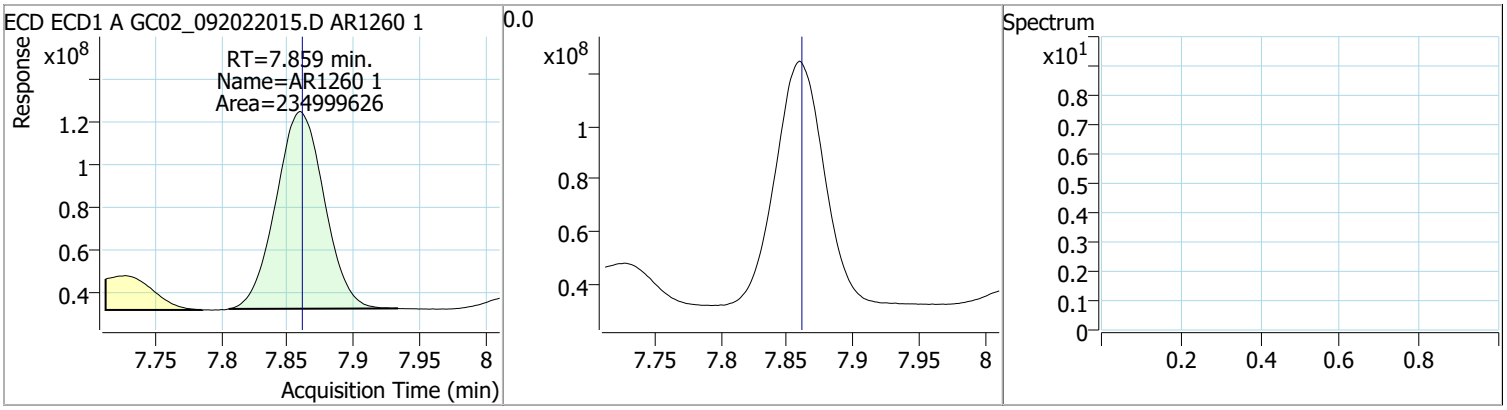
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	378.9890	6.40	0.00	6118448				



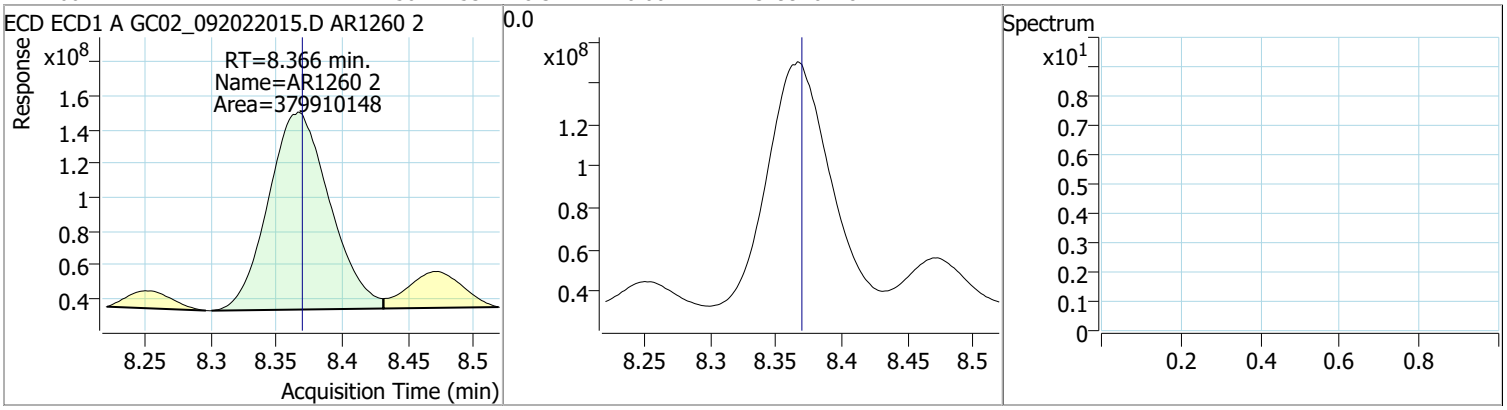
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	410.8017	6.99	0.00	5345479				



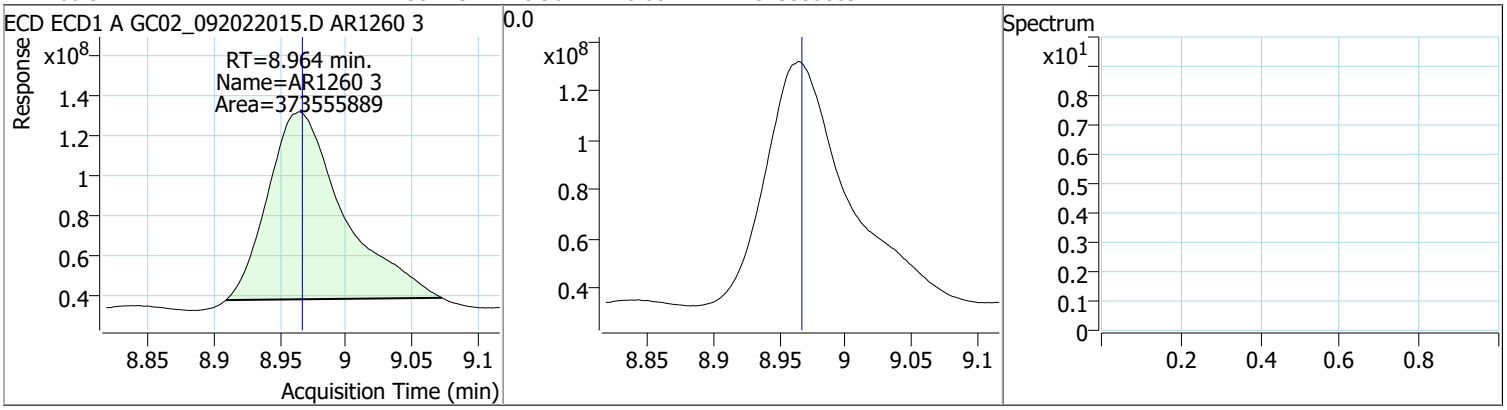
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	475.1087	7.86	0.00	234999626				



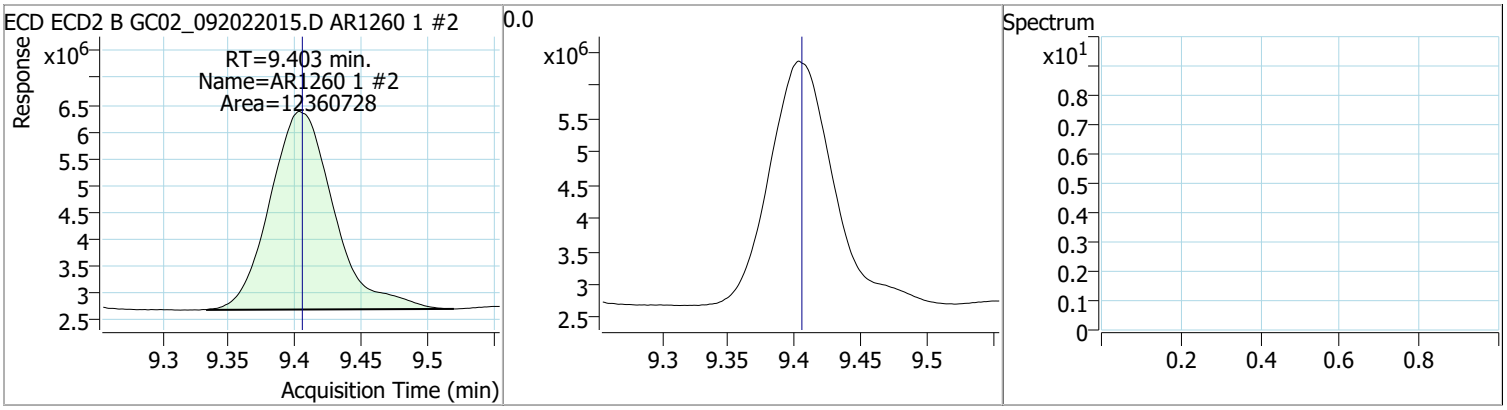
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	502.4753	8.37	0.00	379910148				



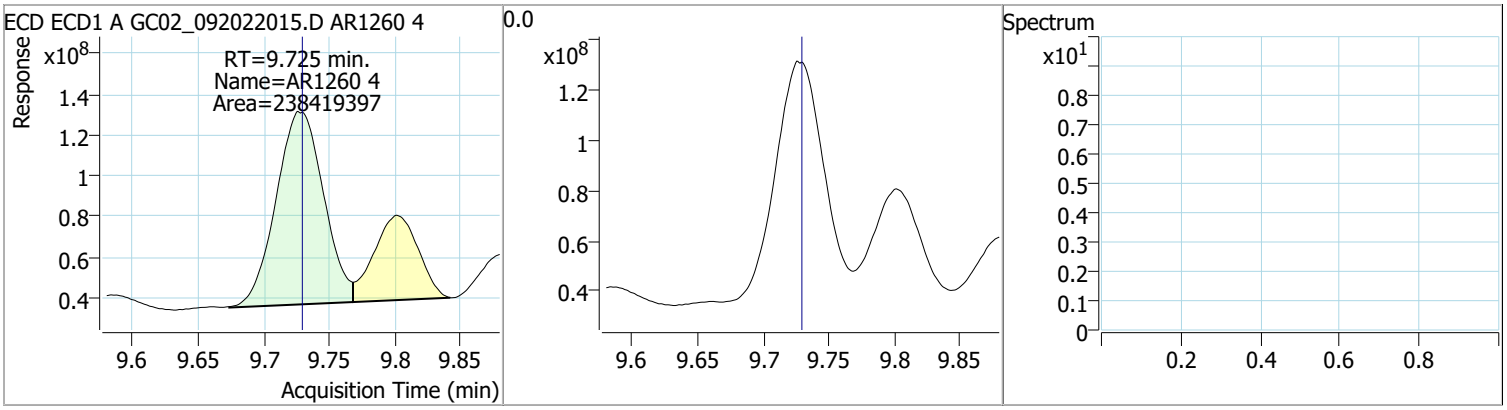
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	438.2197	8.96	0.00	373555889				



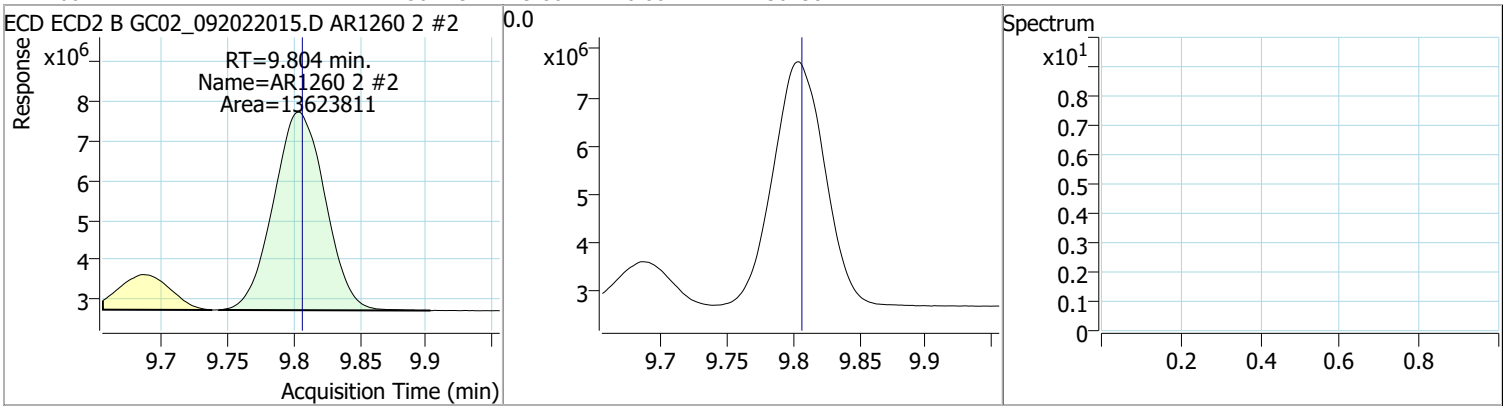
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	466.2700	9.40	0.00	12360728				



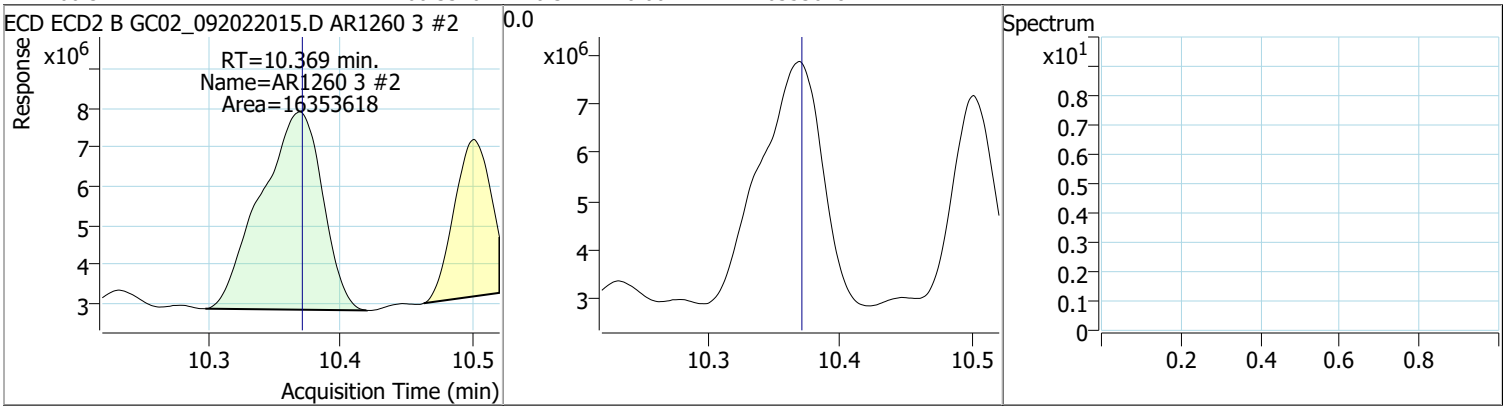
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	468.6051	9.73	-0.01	238419397				



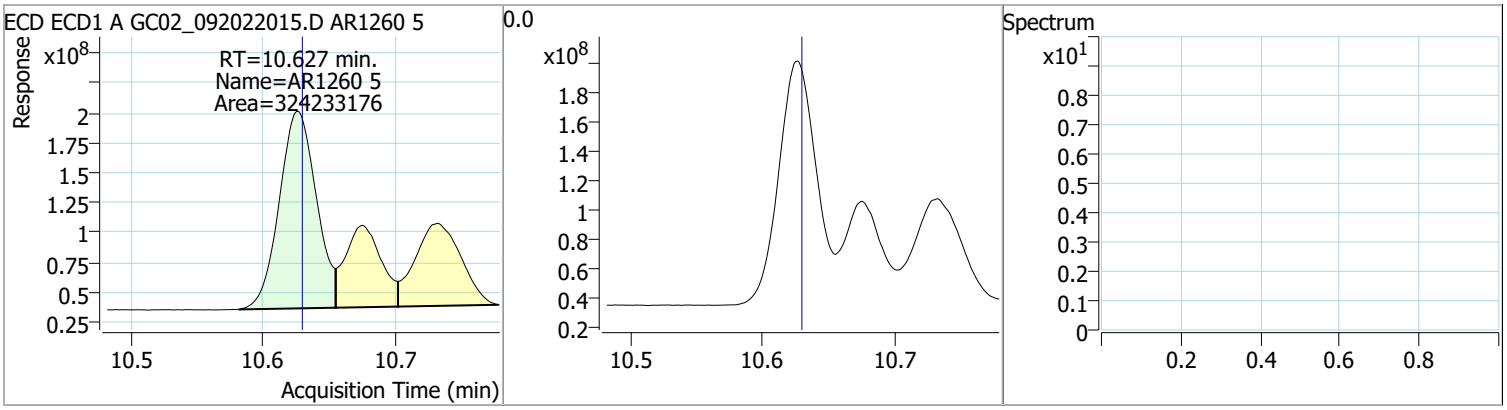
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	456.1191	9.80	0.00	13623811				



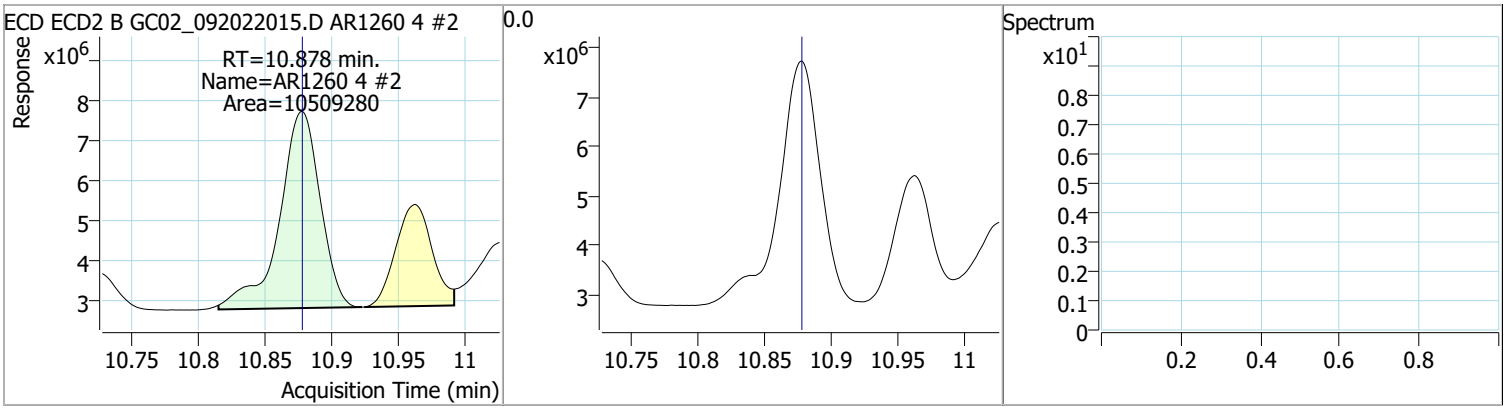
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	460.3316	10.37	0.00	16353618				



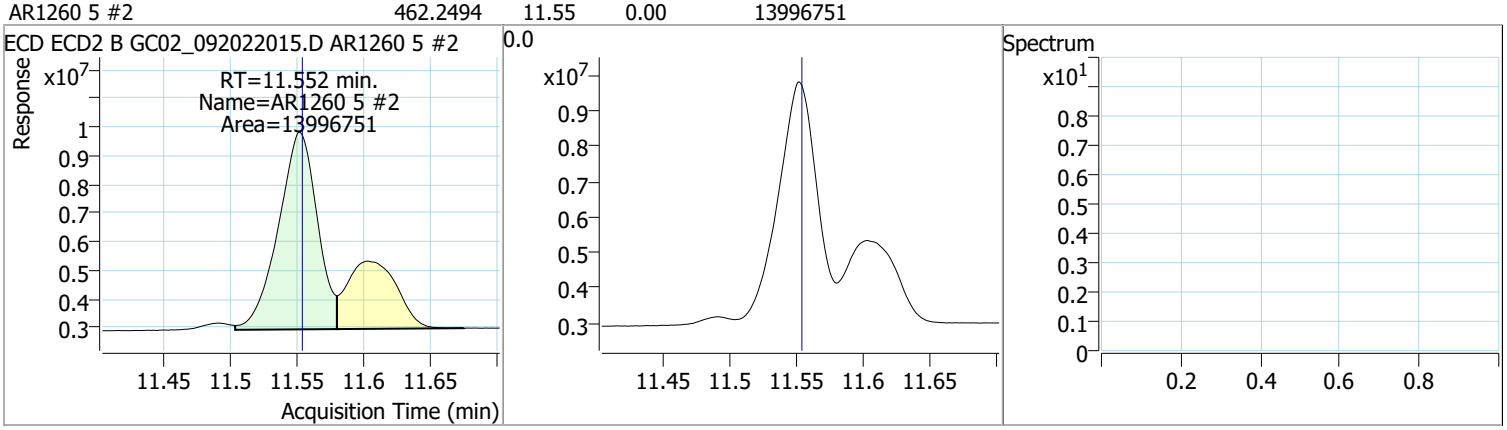
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	487.3395	10.63	0.00	324233176				



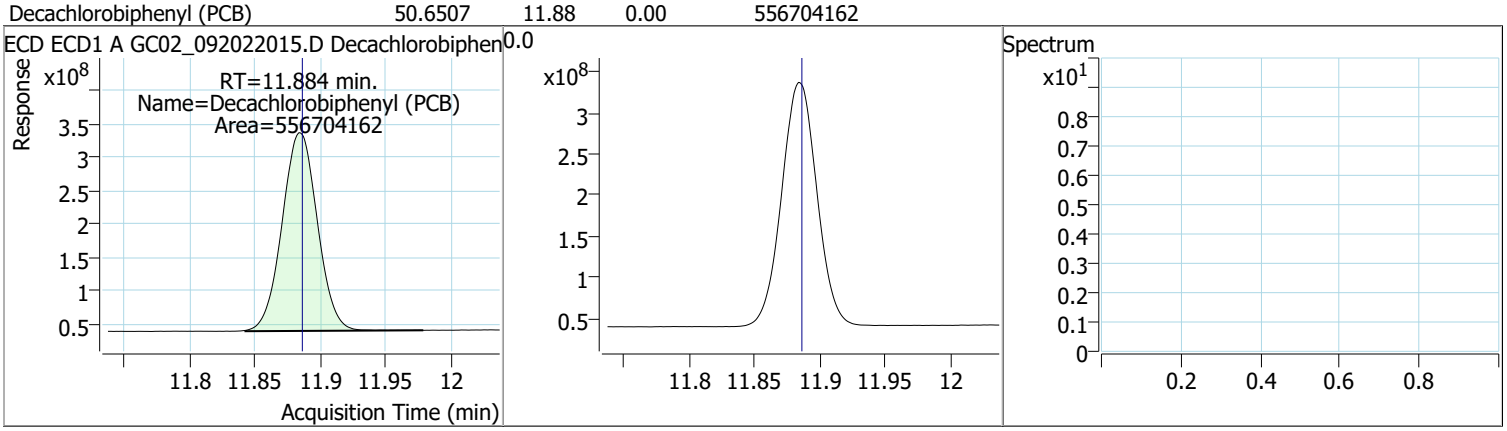
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	513.5882	10.88	0.00	10509280				



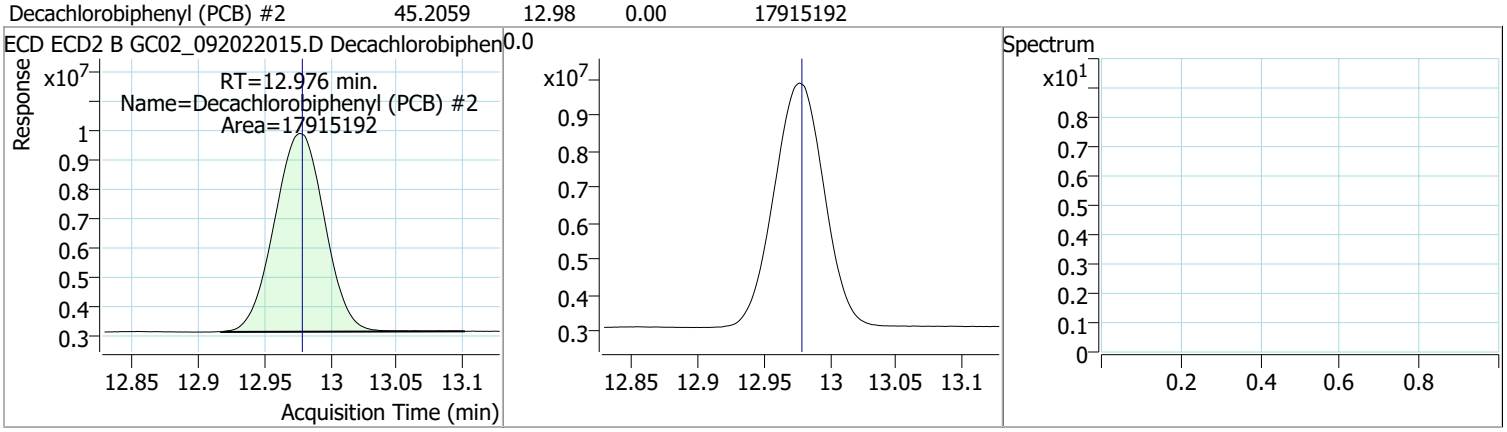
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	462.2494	11.55	0.00	13996751				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	50.6507	11.88	0.00	556704162				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	45.2059	12.98	0.00	17915192				



ENTHALPY SPIKE USER REPORT FOR 469273 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC02	Inst:	SVOA-GC02
Seqnum:	212382352040.1	Seqnum:	212382352041.1
File:	gc02_092222-040	File:	gc02_092222-041
IDF:	1.0	IDF:	1.0
Lab ID:	QC1014267	Lab ID:	QC1014268
Matrix:	Wipe	Matrix:	Wipe
Batch:	297417	Batch:	297417
Time:	22-SEP-2022 23:59	Time:	23-SEP-2022 00:17
Cal:	212360956002	Cal:	212360956002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	452.4	4.524	B	90	490.4	4.904	B	98	60-140	8	20	u
Aroclor-1016 Peak # 1		431.0	4.310	B		465.1	4.651	B					
Aroclor-1016 Peak # 2		470.2	4.702	B		504.7	5.047	B					
Aroclor-1016 Peak # 3		476.0	4.760	B		521.2	5.212	B					
Aroclor-1016 Peak # 4		427.3	4.273	B		462.4	4.624	B					
Aroclor-1016 Peak # 5		457.5	4.575	B		498.7	4.987	B					
Aroclor-1260	5.000	484.9	4.849	B	97	530.7	5.307	B	106	60-140	9	20	u
Aroclor-1260 Peak # 1		493.4	4.934	B		537.8	5.378	B					
Aroclor-1260 Peak # 2		456.6	4.566	B		501.8	5.018	B					
Aroclor-1260 Peak # 3		469.9	4.699	B		517.5	5.175	B					
Aroclor-1260 Peak # 4		525.1	5.251	B		563.6	5.636	B					
Aroclor-1260 Peak # 5		479.5	4.795	B		532.7	5.327	B					
Surrogates													
TCMX (PCB)	0.5000	46.38	0.4638	B	93	49.52	0.4952	B	99	52-186			c+ u
Decachlorobiphenyl (PCB)	0.5000	45.79	0.4579	B	92	52.06	0.5206	B	104	60-140			c+ u

ISTD (CCV gc02_092222-004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5891658	5784194	-1.82
1-bromo-2-nitrobenzene (PCB)	A	188314132	180701779	-4.04

ISTD (CCV gc02_092222-004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.05	4.05	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.86	3.86	0.00

ISTD (CCV gc02_092222-004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5891658	6639333	12.69
1-bromo-2-nitrobenzene (PCB)	A	188314132	207580531	10.23

ISTD (CCV gc02_092222-004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.05	4.05	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.86	3.86	0.00

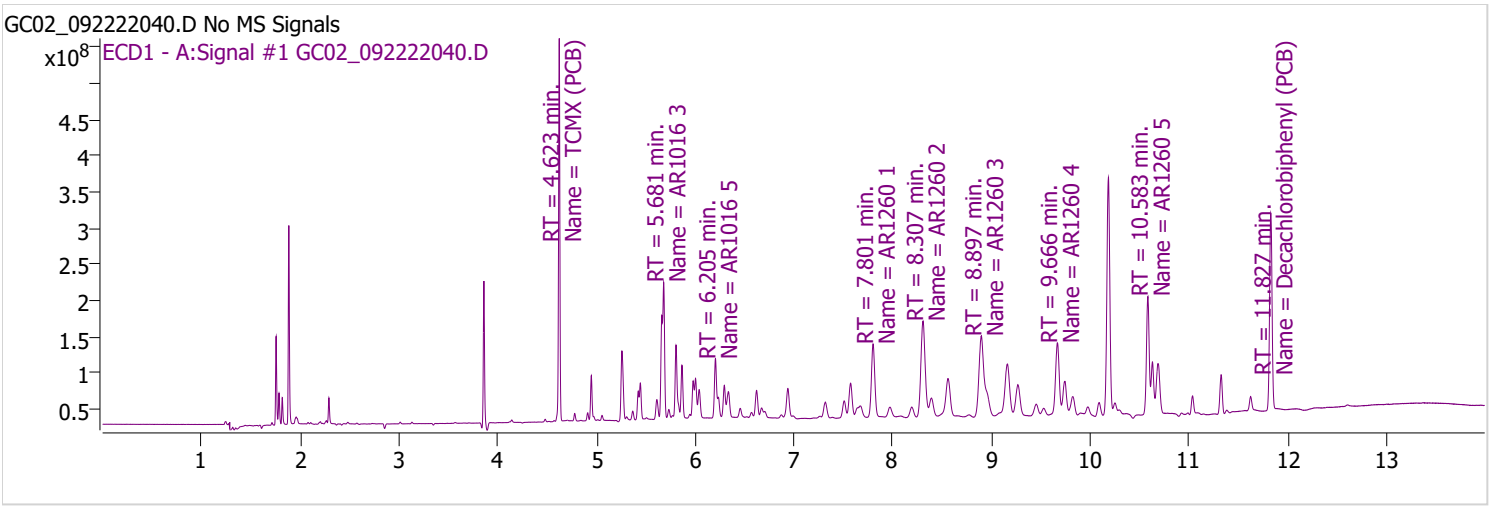
TRN 09/23/22 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for all channels for spike & dup. [general version]

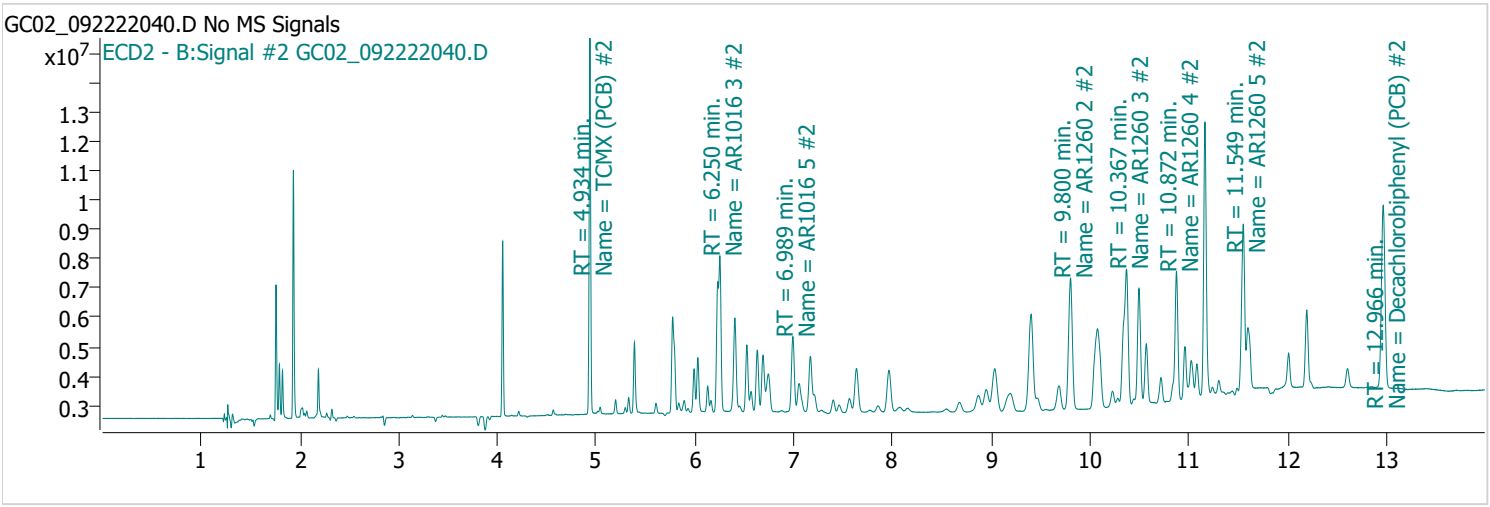
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Analyst: TRN 09/26/22 **Reviewer:** SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092222040.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/22/2022 11:59:41 PM
Sample Name	QC1014267, 297417, 1	Instrument	SVOA-GC02
Vial	14	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_10.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	092222_PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



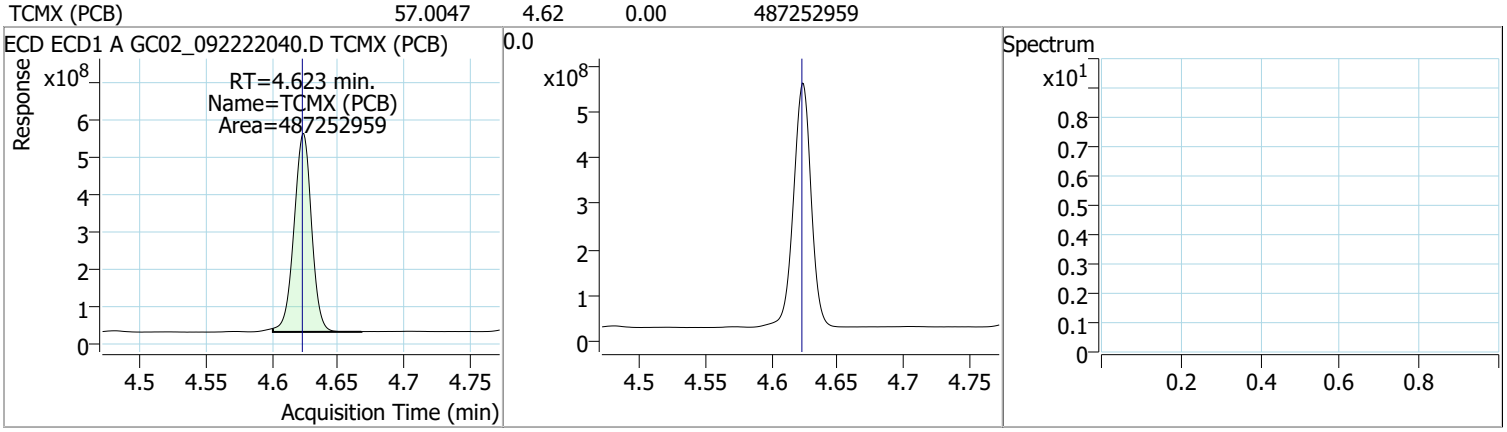


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.861	0.0	180701779.141	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.052	0.0	5784194.265	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.623	0.0	487252958.850	57.0047	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 285.02%		*	
S TCMX (PCB) #2	4.934	0.0	13932441.103	46.3798	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 231.90%		*	
S Decachlorobiphenyl (PCB)	11.827	0.0	488556860.630	45.4111	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.06%		*	
S Decachlorobiphenyl (PCB) #2	12.966	0.0	15857212.720	45.7872	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 228.94%		*	
Target Compounds							QValue

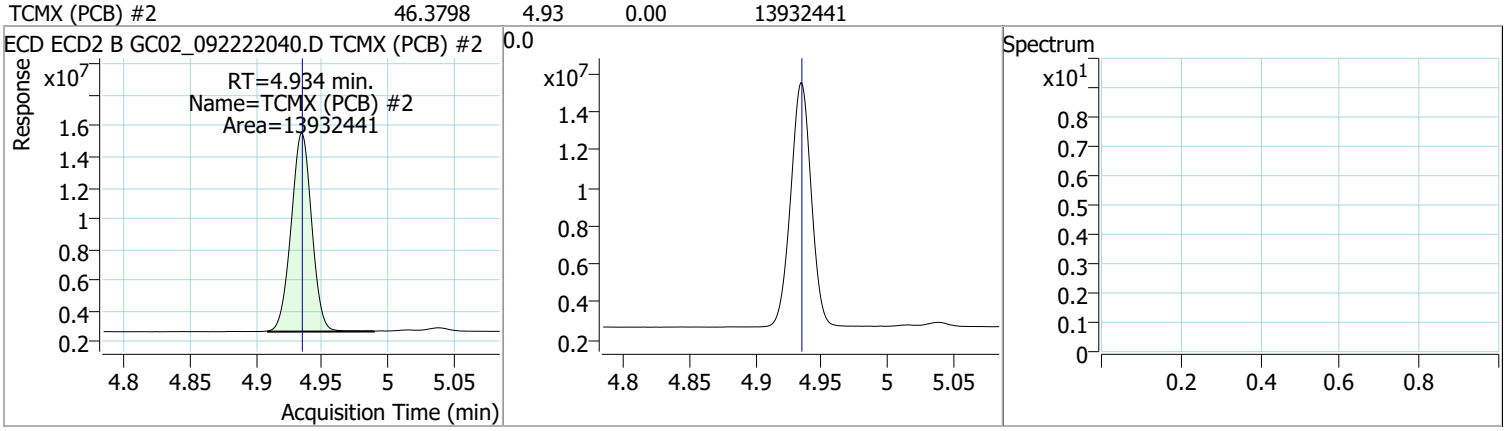
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.948	0.0	69140070.283	435.0443	ng/ml		100
T AR1016 2	5.258	0.0	149524627.129	487.3598	ng/ml		100
T AR1016 1 #2	5.385	0.0	3149981.816	430.9904	ng/ml		100
T AR1016 3	5.681	0.0	240216588.489	519.5240	ng/ml	m	100
T AR1016 2 #2	5.772	0.0	6938830.890	470.2179	ng/ml		100
T AR1016 4	5.806	0.0	149684702.723	549.8153	ng/ml		100
T AR1016 5	6.205	0.0	121609575.280	485.0000	ng/ml	m	100
T AR1016 3 #2	6.250	0.0	8516502.515	476.0376	ng/ml	m	100
T AR1016 4 #2	6.402	0.0	6028908.794	427.3340	ng/ml		100
T AR1016 5 #2	6.989	0.0	5202442.663	457.5056	ng/ml		100
T AR1260 1	7.801	0.0	243230079.689	502.3772	ng/ml		100
T AR1260 2	8.307	0.0	400869817.402	541.6565	ng/ml		100
T AR1260 3	8.897	0.0	455789715.143	537.1760	ng/ml		100
T AR1260 1 #2	9.402	0.0	11430218.703	493.3912	ng/ml		100
T AR1260 4	9.666	0.0	246099125.146	494.1541	ng/ml		100
T AR1260 2 #2	9.800	0.0	11918548.832	456.6111	ng/ml		100
T AR1260 3 #2	10.367	0.0	14589424.967	469.9358	ng/ml		100
T AR1260 5	10.583	0.0	318851322.620	489.6088	ng/ml		100
T AR1260 4 #2	10.872	0.0	9390139.892	525.1189	ng/ml		100
T AR1260 5 #2	11.549	0.0	12687324.897	479.4714	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

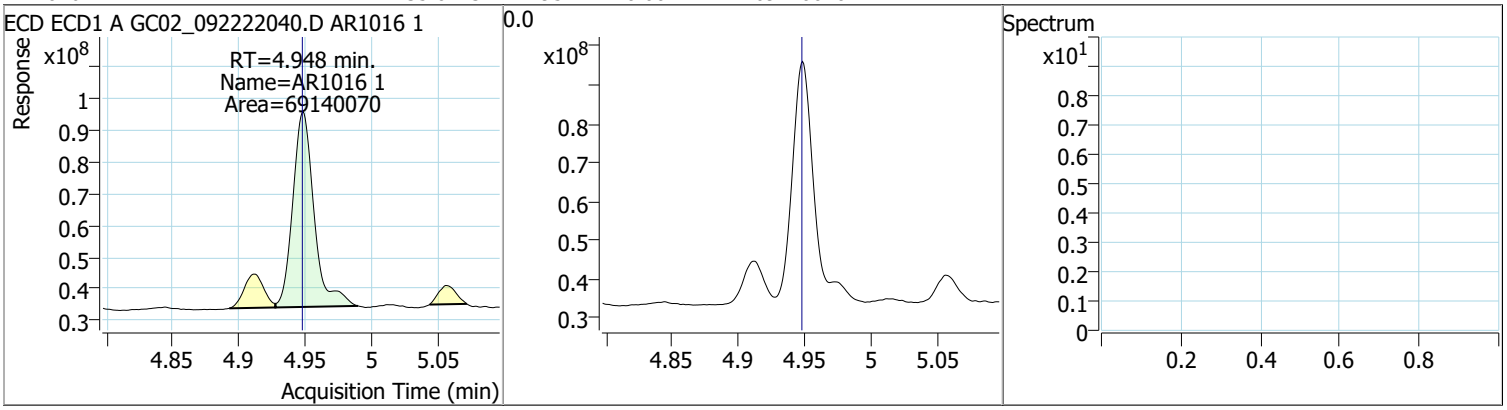
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	57.0047	4.62	0.00	487252959				



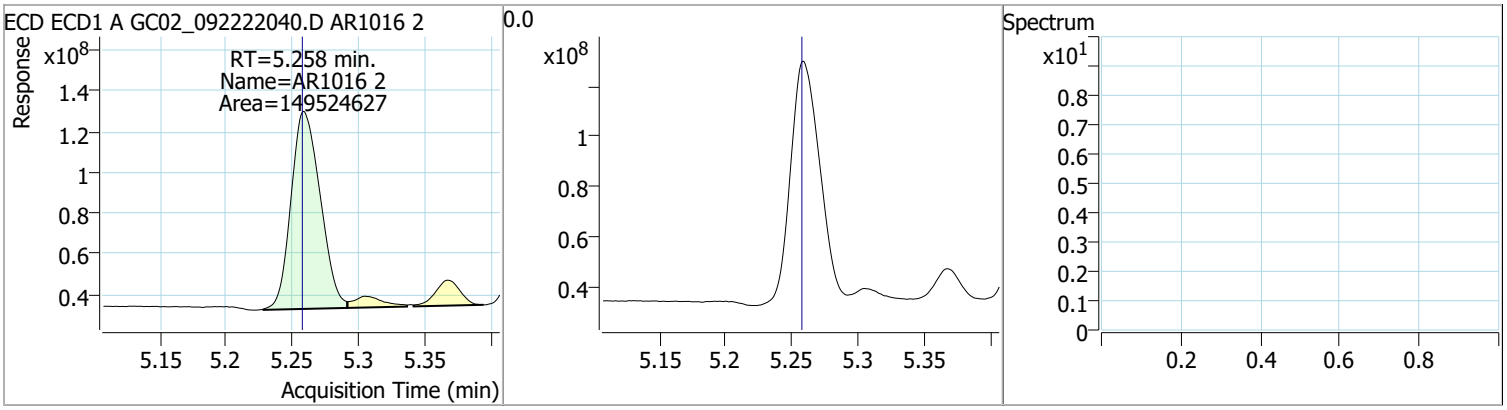
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	46.3798	4.93	0.00	13932441				



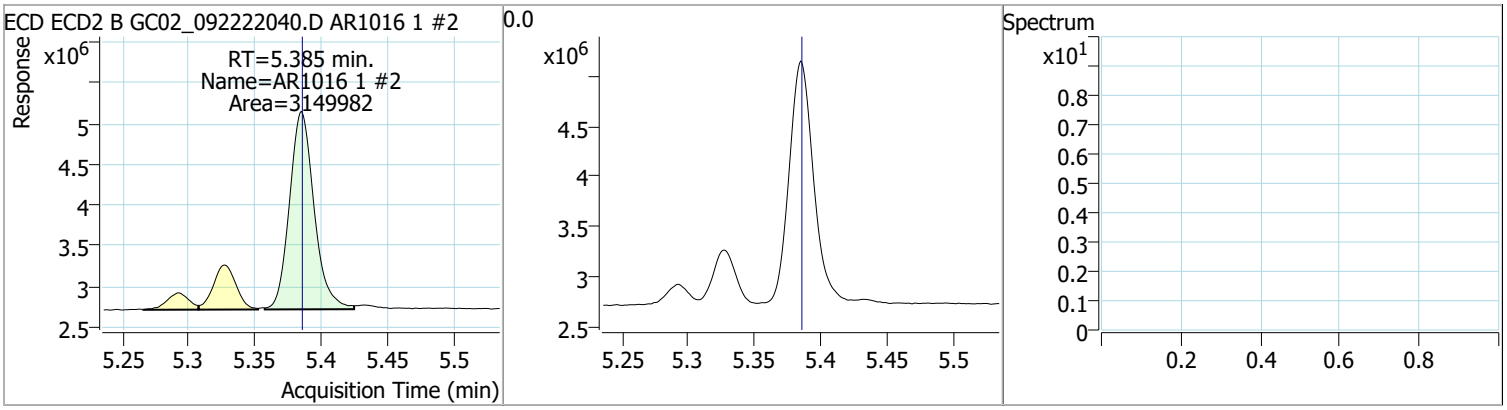
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	435.0443	4.95	0.00	69140070				



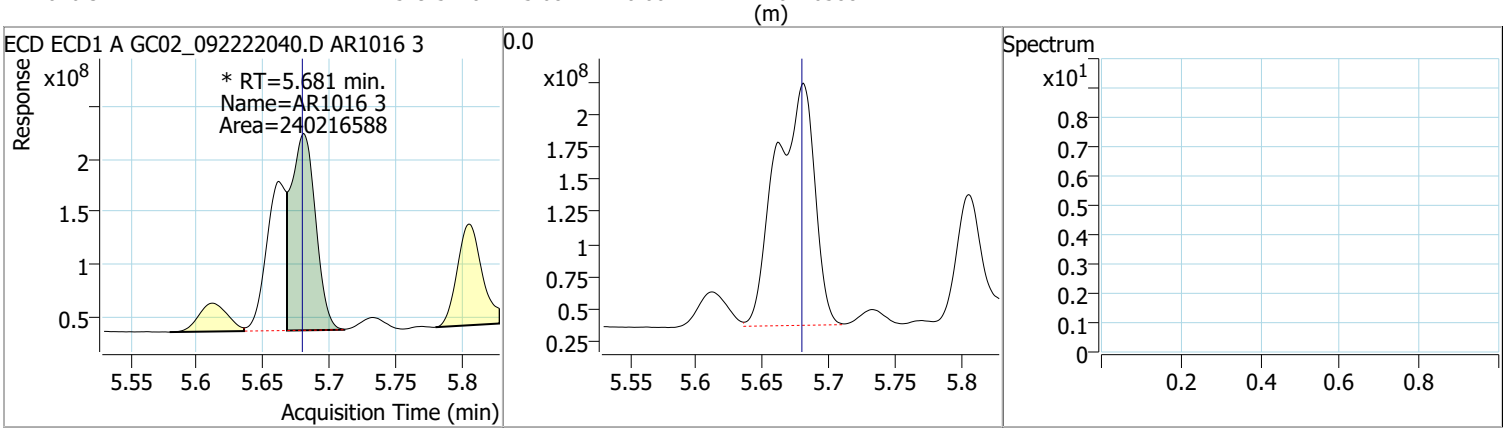
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	487.3598	5.26	0.00	149524627				



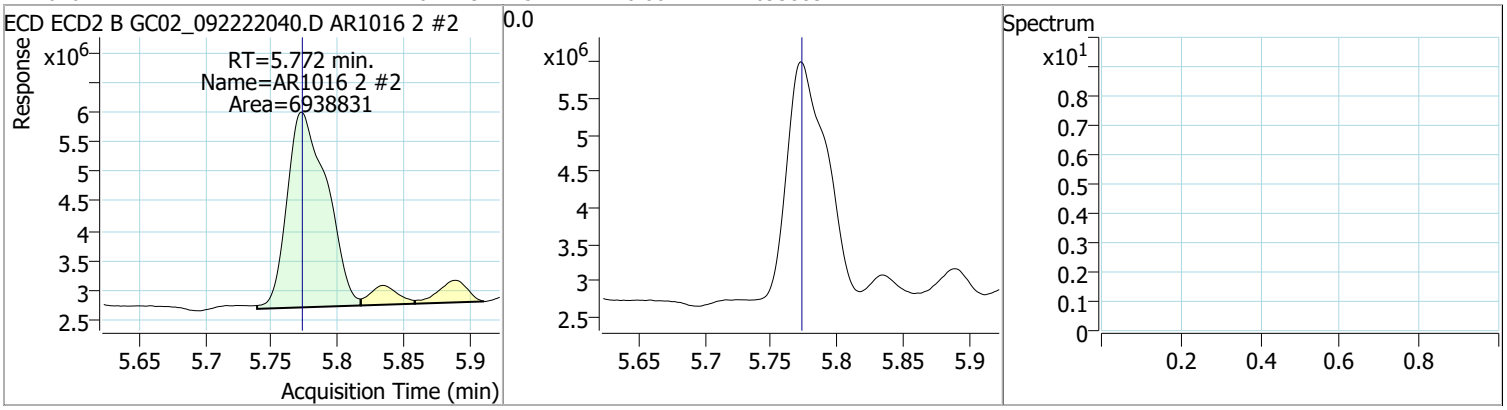
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	430.9904	5.38	0.00	3149982				



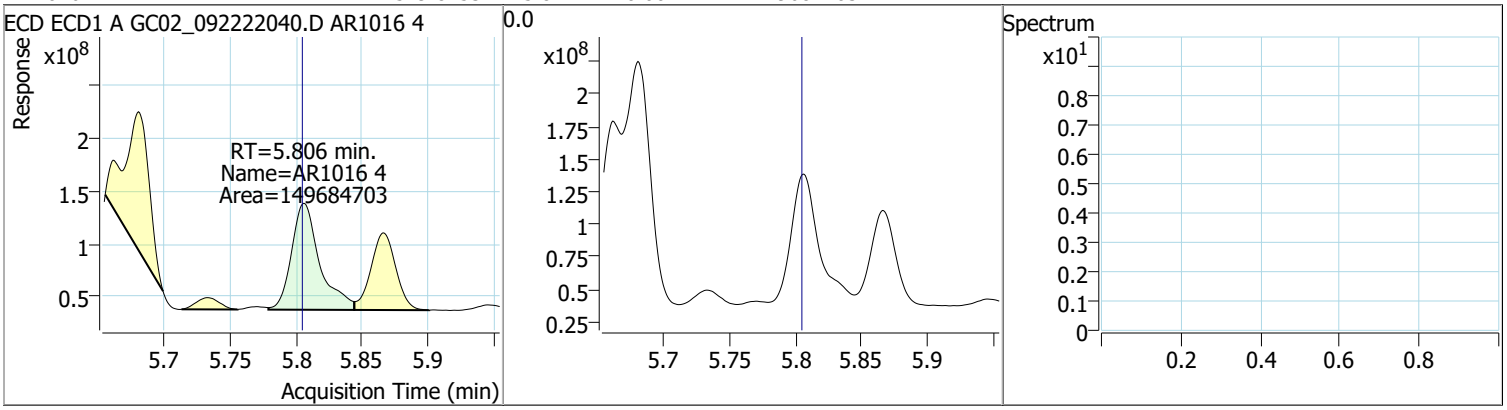
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	519.5240	5.68	0.00	240216588 (m)				



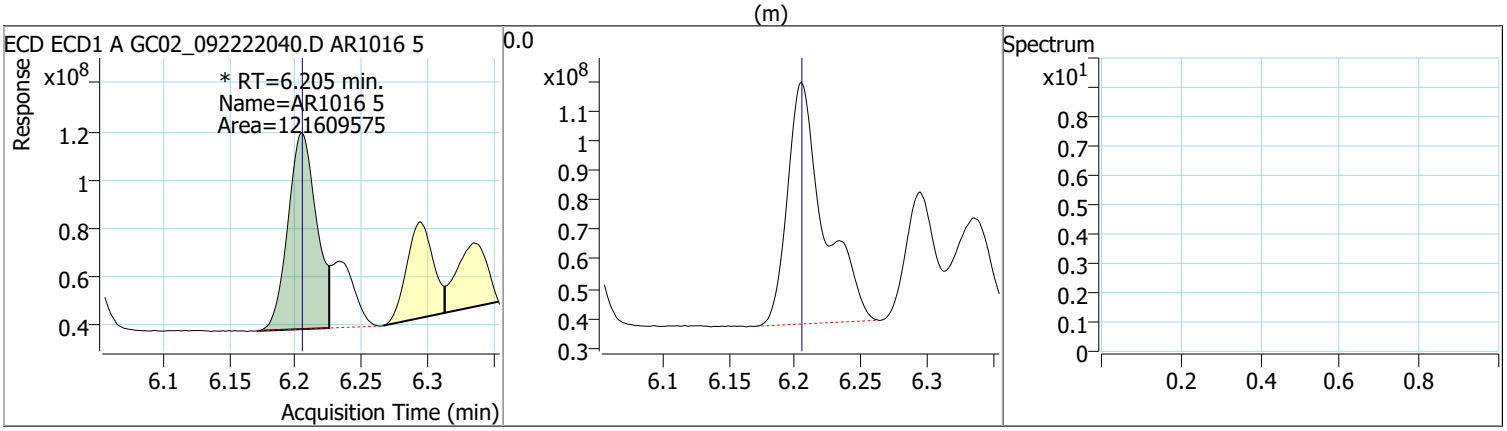
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	470.2179	5.77	0.00	6938831				



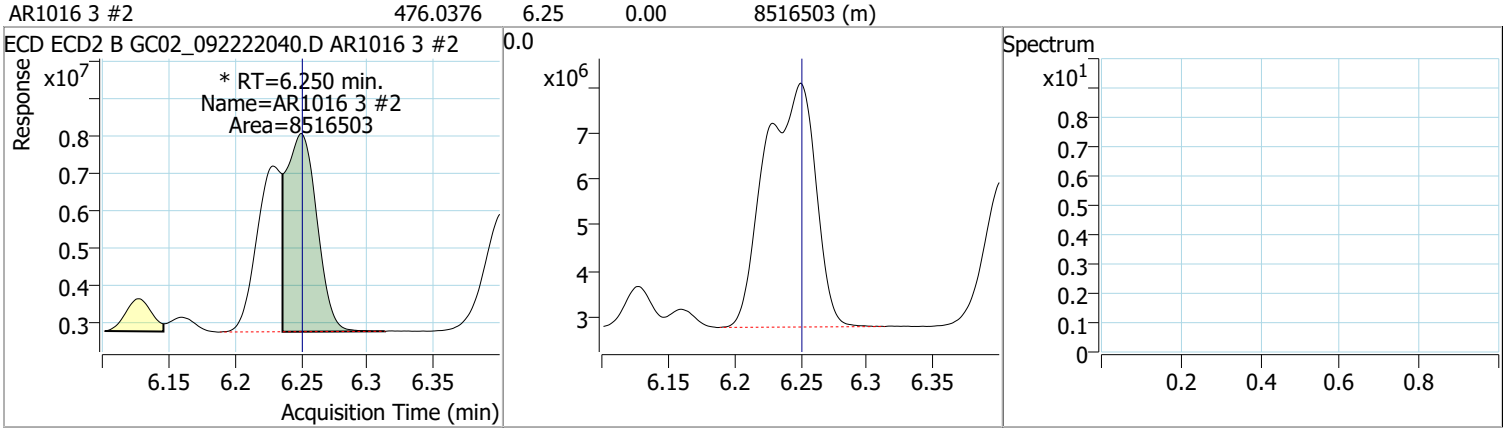
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	549.8153	5.81	0.00	149684703				



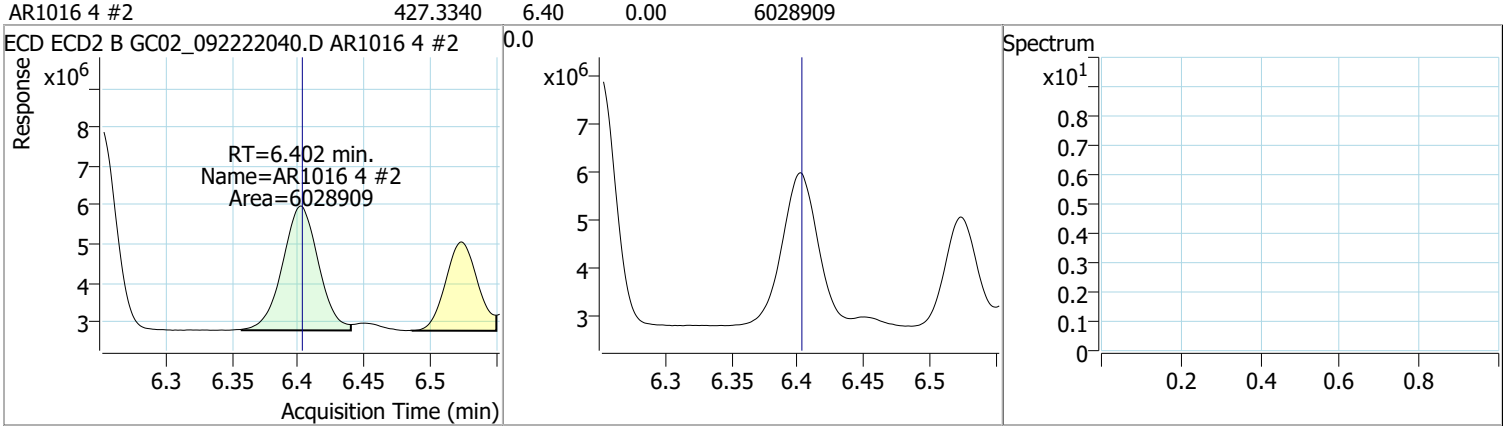
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	485.0000	6.20	0.00	121609575 (m)				



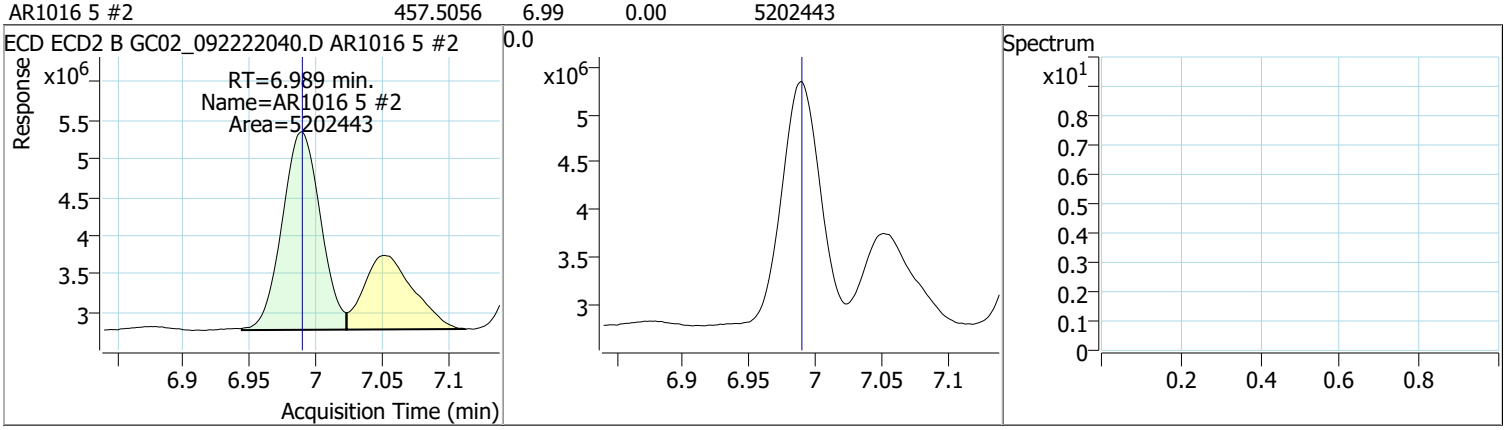
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	476.0376	6.25	0.00	8516503 (m)				



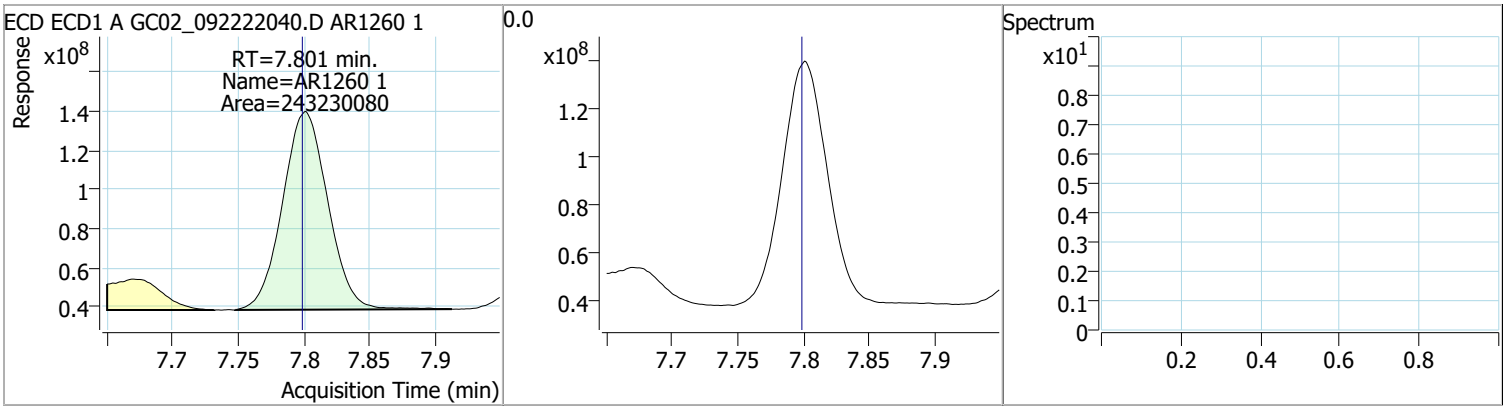
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	427.3340	6.40	0.00	6028909				



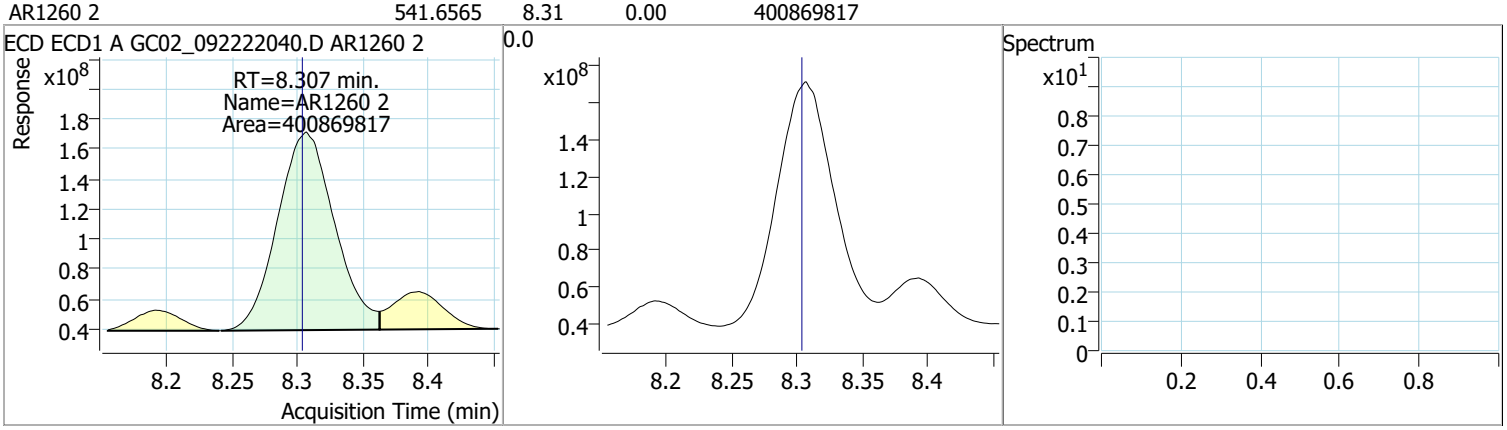
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	457.5056	6.99	0.00	5202443				



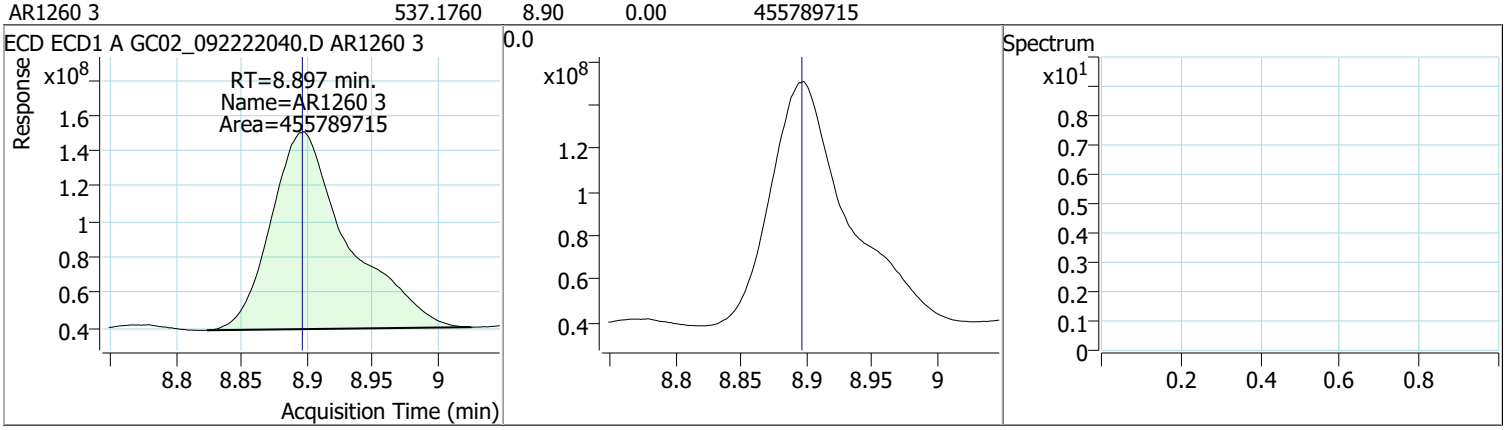
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	502.3772	7.80	0.00	243230080				



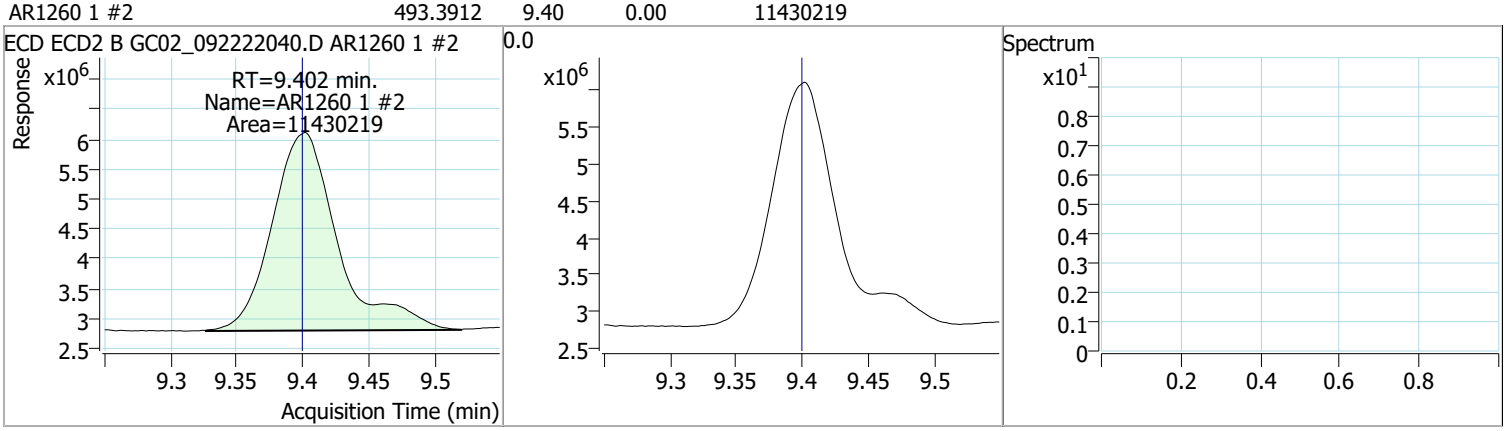
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	541.6565	8.31	0.00	400869817				



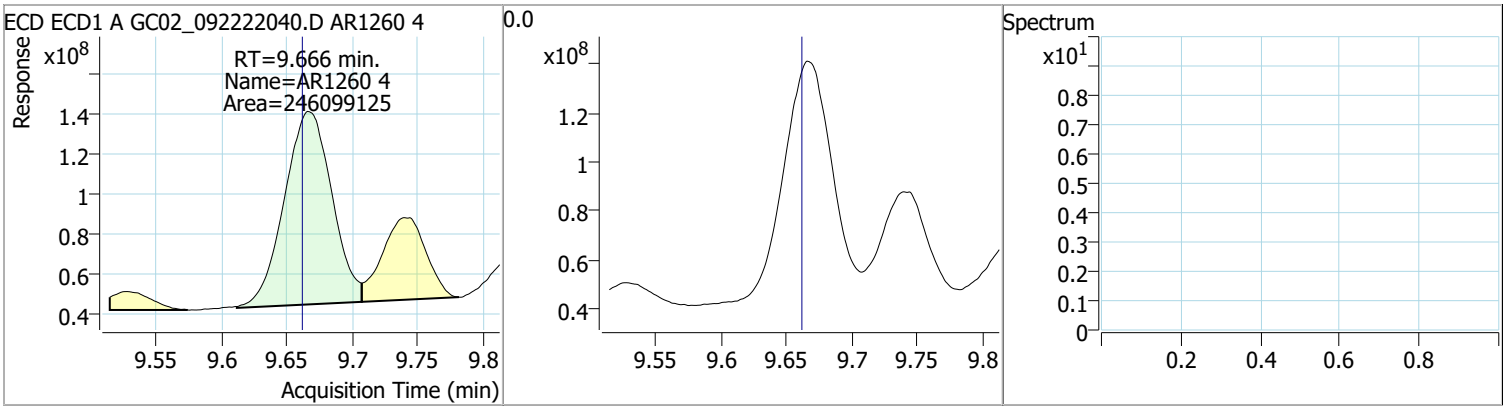
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	537.1760	8.90	0.00	455789715				



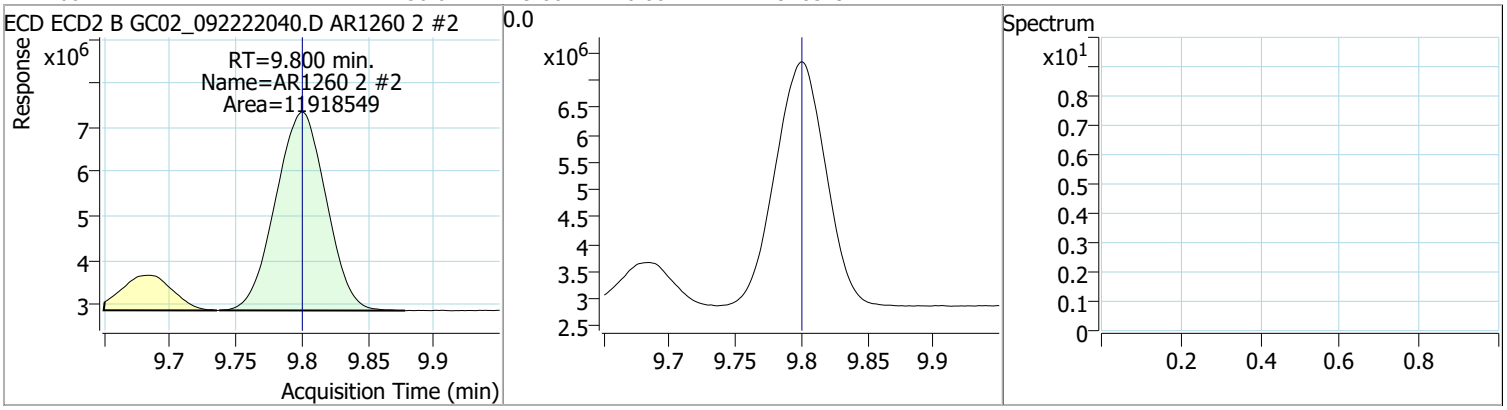
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	493.3912	9.40	0.00	11430219				



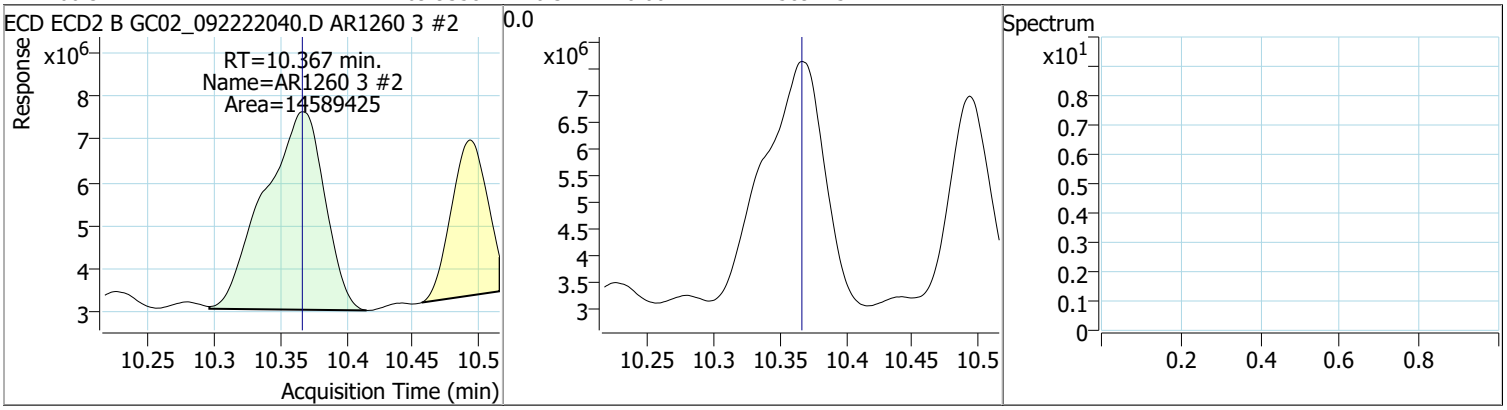
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	494.1541	9.67	0.00	246099125				



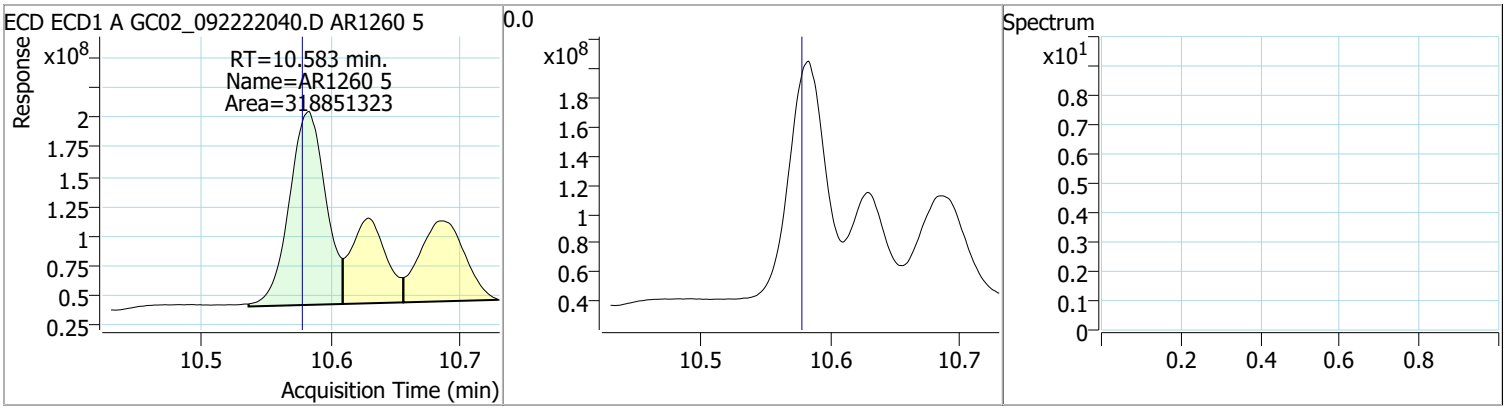
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	456.6111	9.80	0.00	11918549				



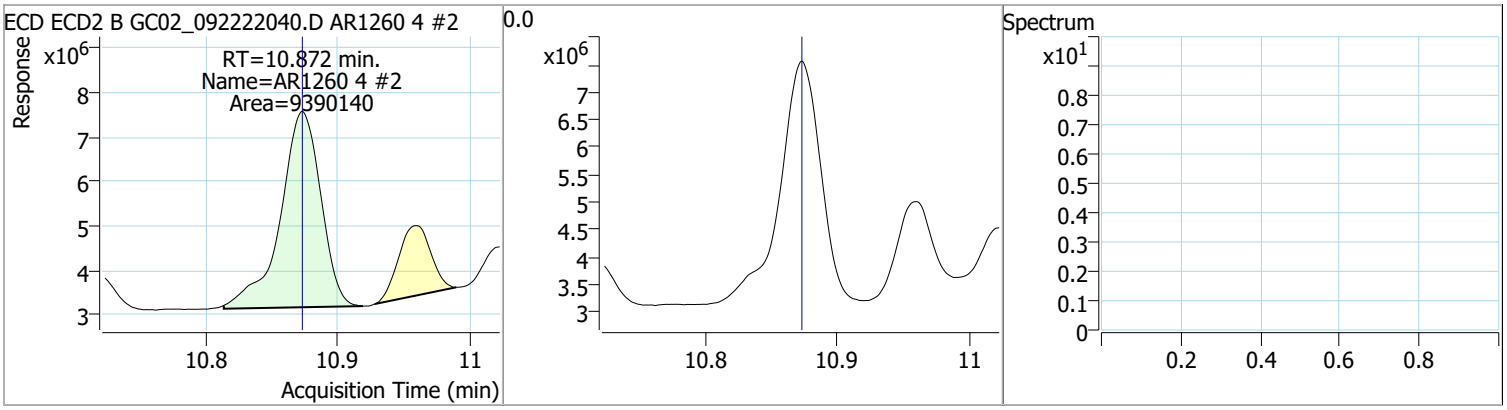
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	469.9358	10.37	0.00	14589425				



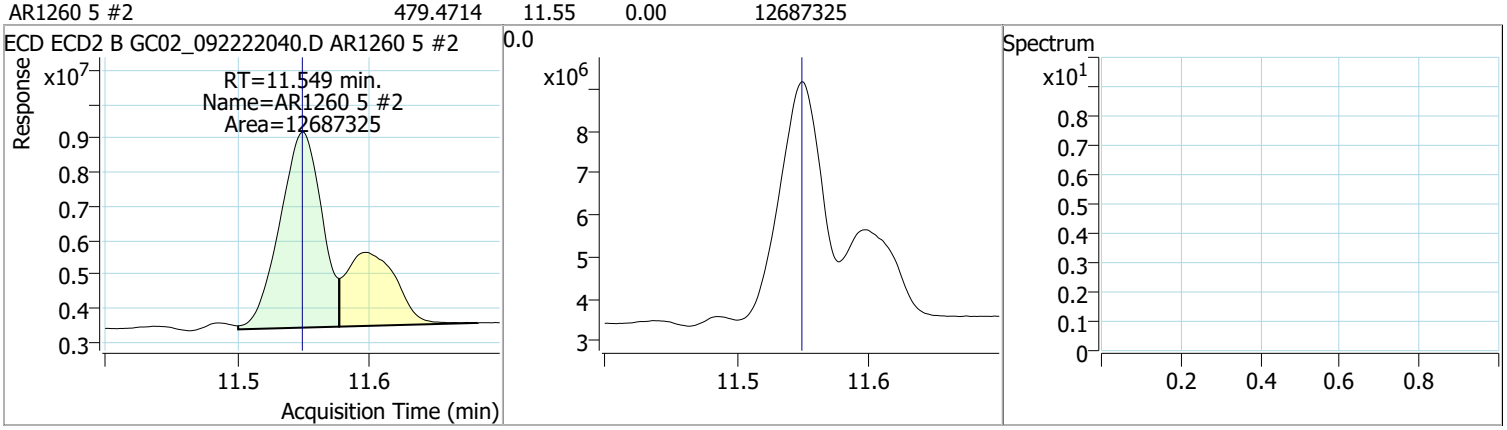
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	489.6088	10.58	0.00	318851323				



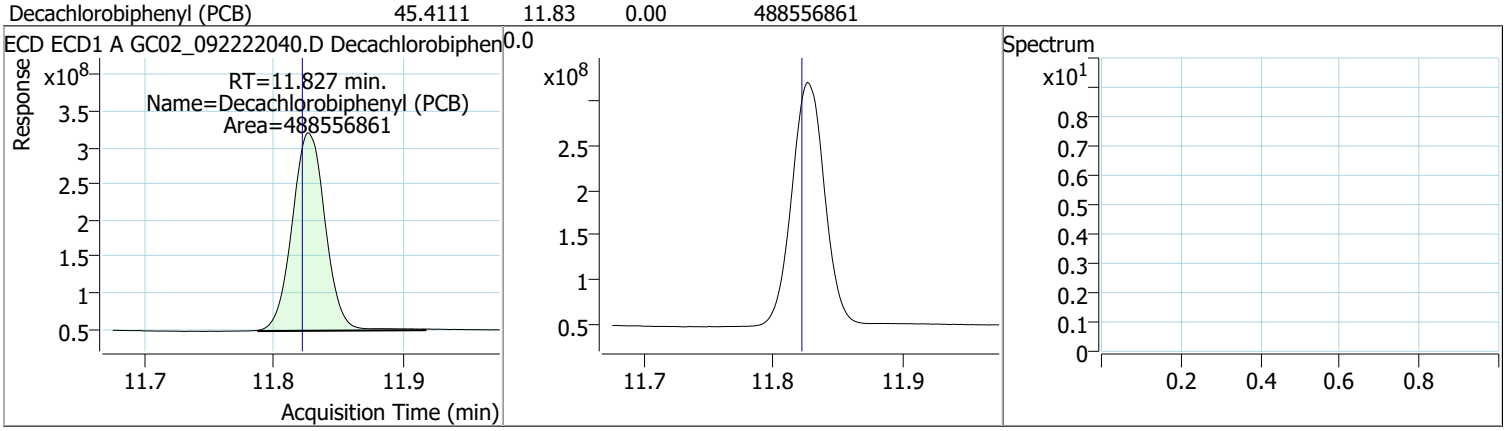
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	525.1189	10.87	0.00	9390140				



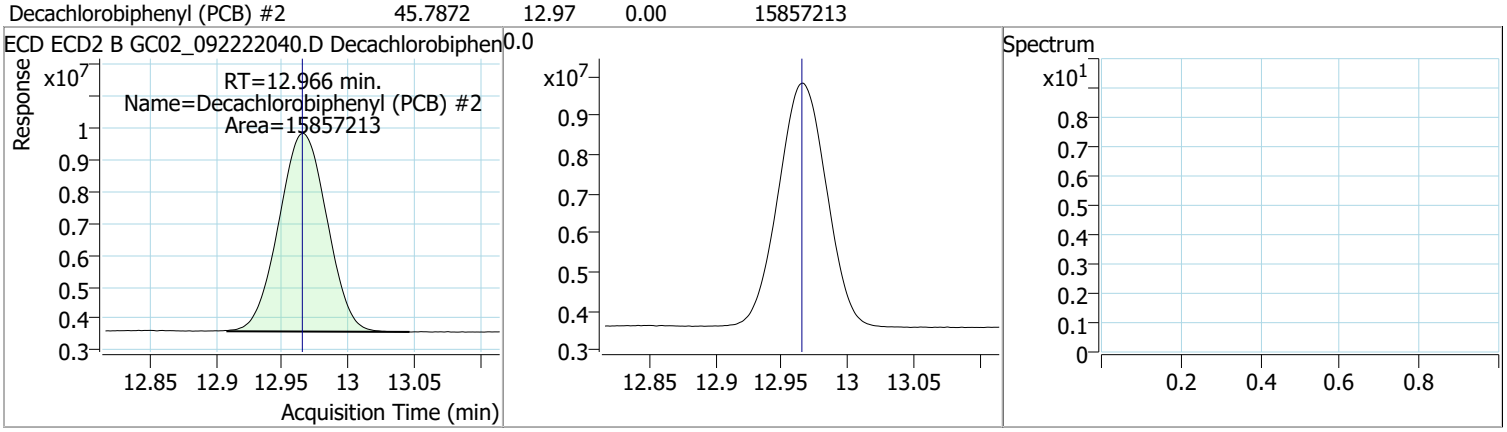
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	479.4714	11.55	0.00	12687325				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	45.4111	11.83	0.00	488556861				

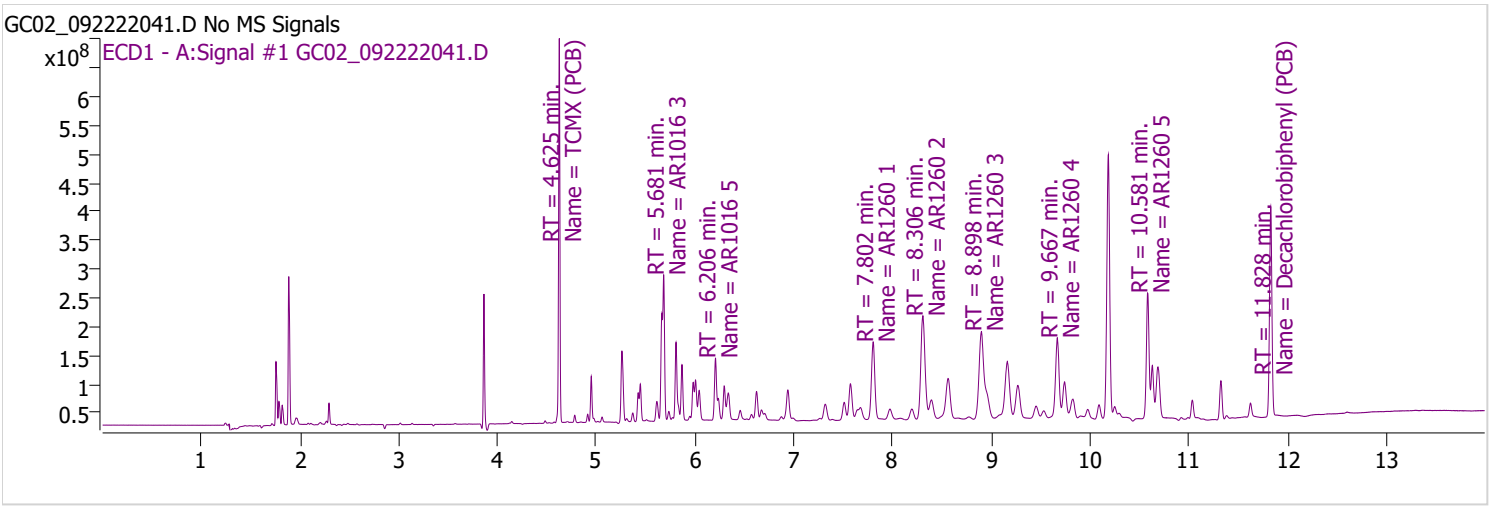


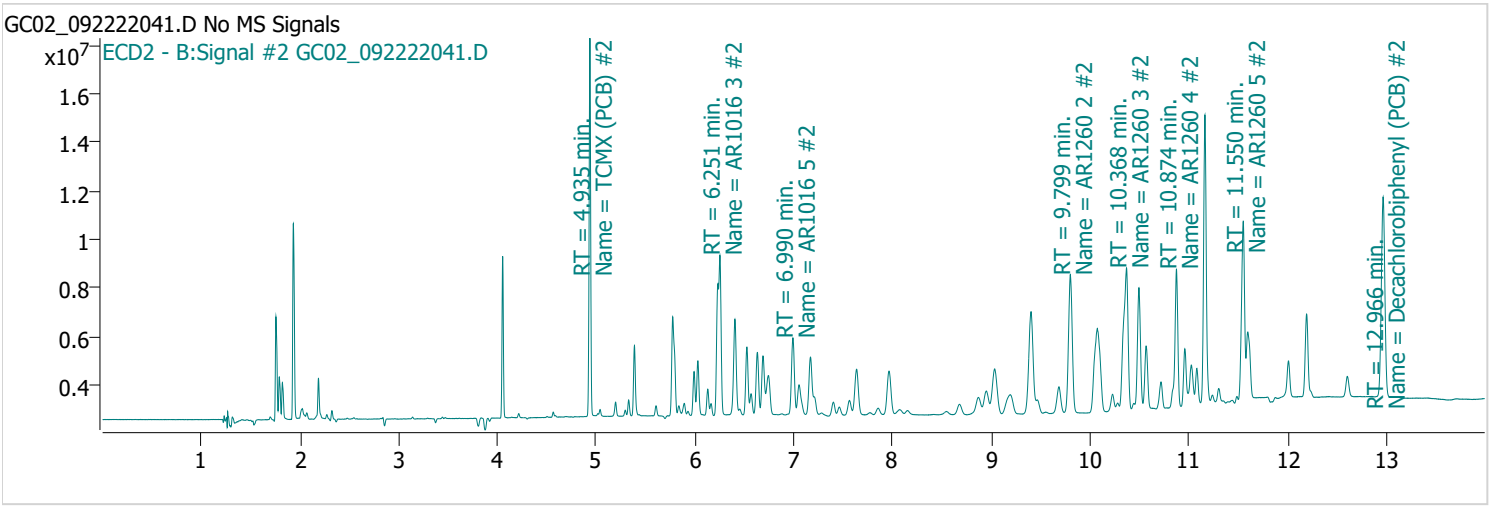
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	45.7872	12.97	0.00	15857213				



Quantitation Results Report (Not Reviewed)

Data File	GC02_092222041.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/23/2022 12:17:34 AM
Sample Name	QC1014268, 297417, 1	Instrument	SVOA-GC02
Vial	15	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_10.m	Comment	WIPE/1DM2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	092222_PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



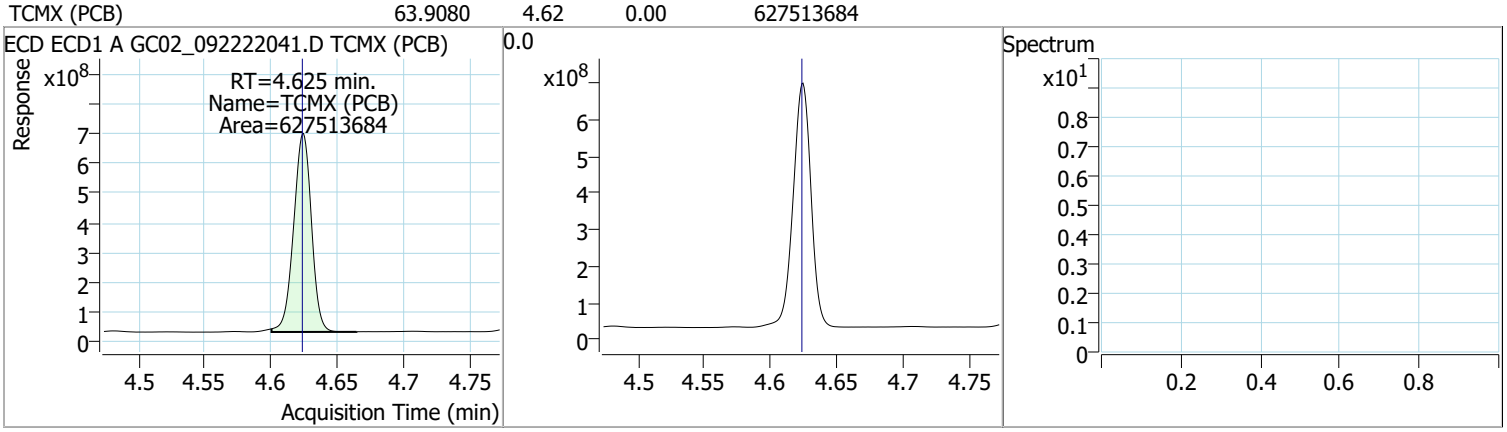


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.862	0.0	207580531.229	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.051	0.0	6639333.236	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.625	0.0	627513683.833	63.9080	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 319.54%		*	
S TCMX (PCB) #2	4.935	0.0	17074813.499	49.5195	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 247.60%		*	
S Decachlorobiphenyl (PCB)	11.828	0.0	628377584.618	50.8445	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 254.22%		*	
S Decachlorobiphenyl (PCB) #2	12.966	0.0	20693622.666	52.0562	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 260.28%		*	
Target Compounds							QValue

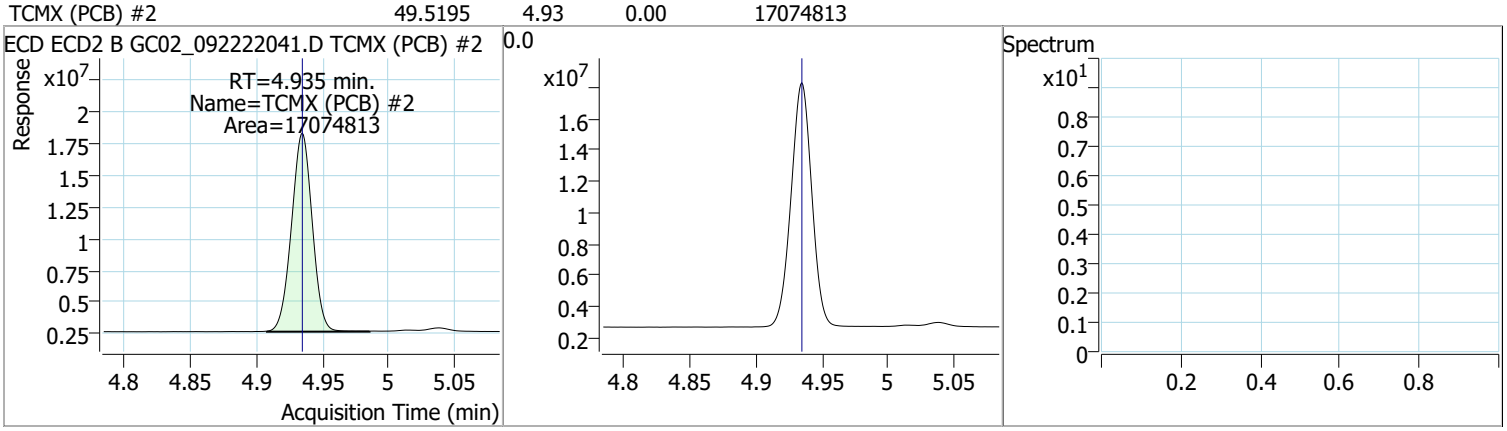
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.948	0.0	84678993.778	463.8261	ng/ml		100
T AR1016 2	5.258	0.0	191954302.288	544.6413	ng/ml		100
T AR1016 1 #2	5.386	0.0	3901891.629	465.1073	ng/ml		100
T AR1016 3	5.681	0.0	306954208.511	577.8991	ng/ml	m	100
T AR1016 2 #2	5.773	0.0	8548962.063	504.7131	ng/ml		100
T AR1016 4	5.806	0.0	194023421.925	620.3965	ng/ml		100
T AR1016 5	6.206	0.0	157938099.978	548.3233	ng/ml		100
T AR1016 3 #2	6.251	0.0	10703965.956	521.2465	ng/ml	m	100
T AR1016 4 #2	6.403	0.0	7488087.586	462.4002	ng/ml		100
T AR1016 5 #2	6.990	0.0	6508845.790	498.6680	ng/ml		100
T AR1260 1	7.802	0.0	317855881.613	571.5032	ng/ml		100
T AR1260 2	8.306	0.0	535803296.347	630.2340	ng/ml		100
T AR1260 3	8.898	0.0	534786352.091	547.8793	ng/ml		100
T AR1260 1 #2	9.401	0.0	14301190.394	537.8083	ng/ml		100
T AR1260 4	9.667	0.0	330409778.965	577.5386	ng/ml		100
T AR1260 2 #2	9.799	0.0	15034234.008	501.7909	ng/ml		100
T AR1260 3 #2	10.368	0.0	18440529.402	517.4783	ng/ml		100
T AR1260 5	10.581	0.0	422488814.474	564.7445	ng/ml		100
T AR1260 4 #2	10.874	0.0	11569327.888	563.6533	ng/ml		100
T AR1260 5 #2	11.550	0.0	16179434.963	532.6898	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

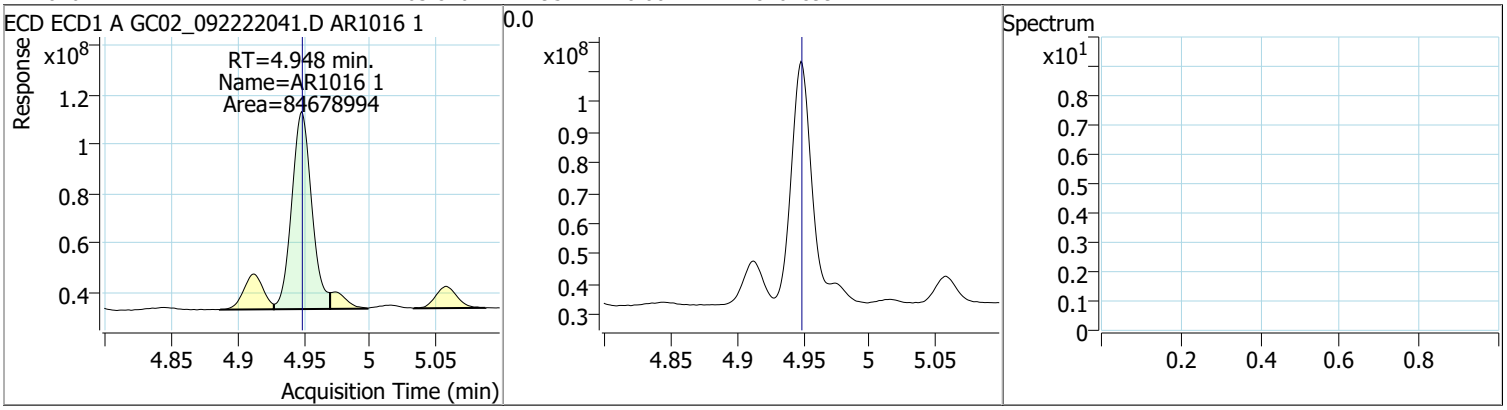
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	63.9080	4.62	0.00	627513684				



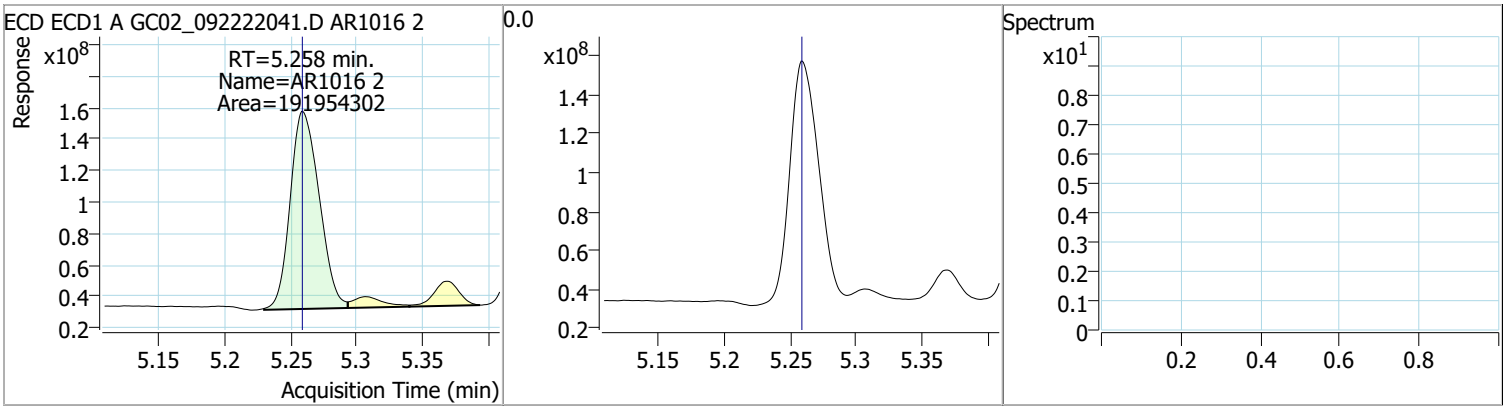
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	49.5195	4.93	0.00	17074813				



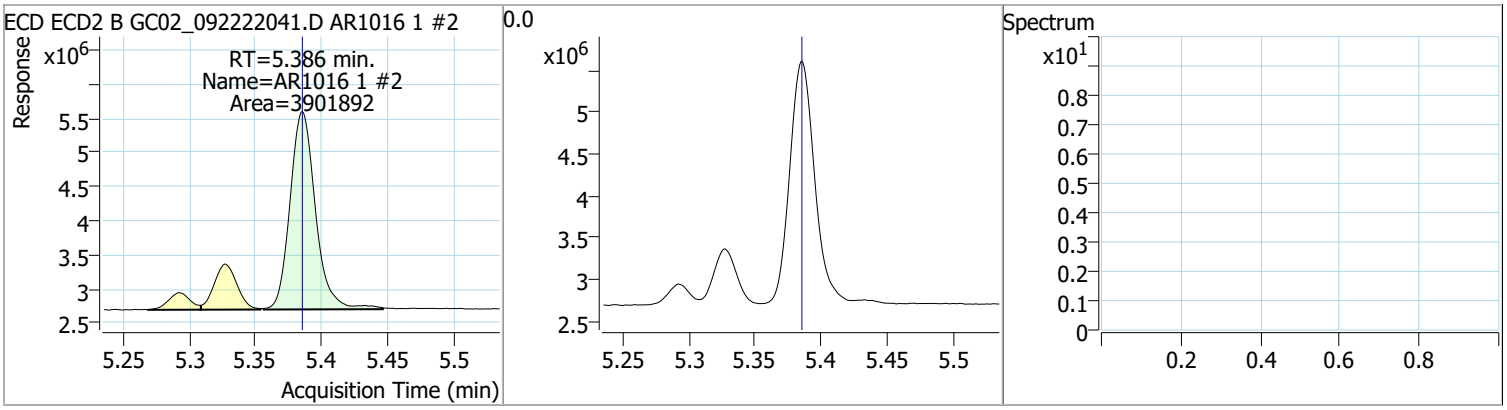
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	463.8261	4.95	0.00	84678994				



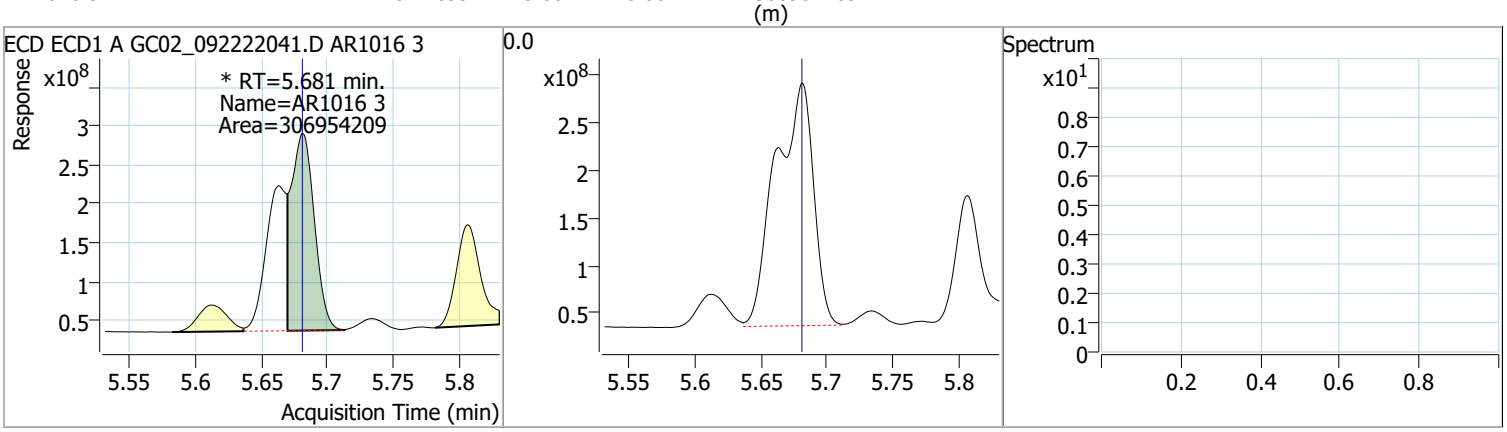
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	544.6413	5.26	0.00	191954302				



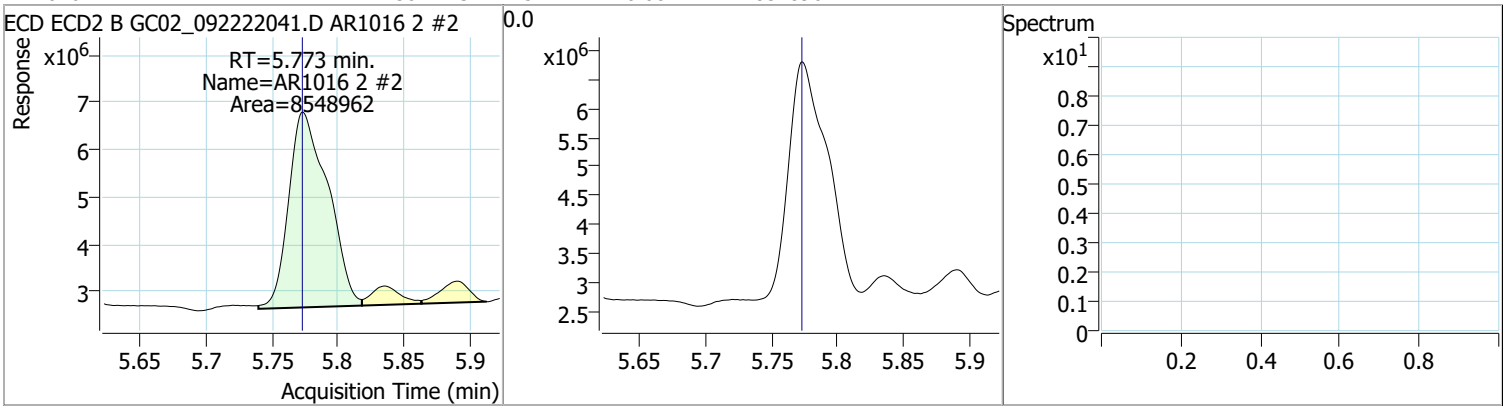
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	465.1073	5.39	0.00	3901892				



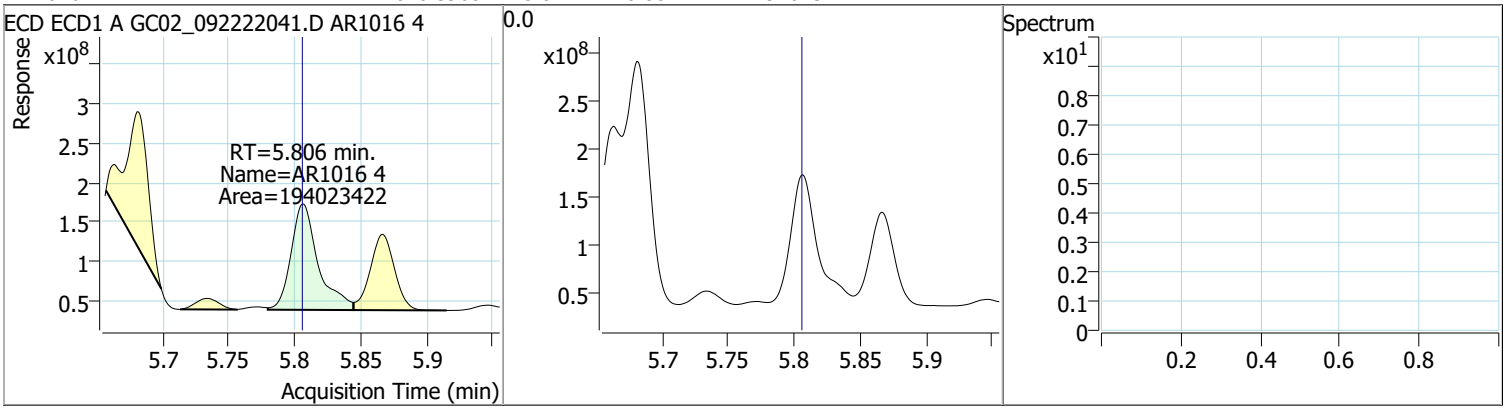
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	577.8991	5.68	0.00	306954209 (m)				



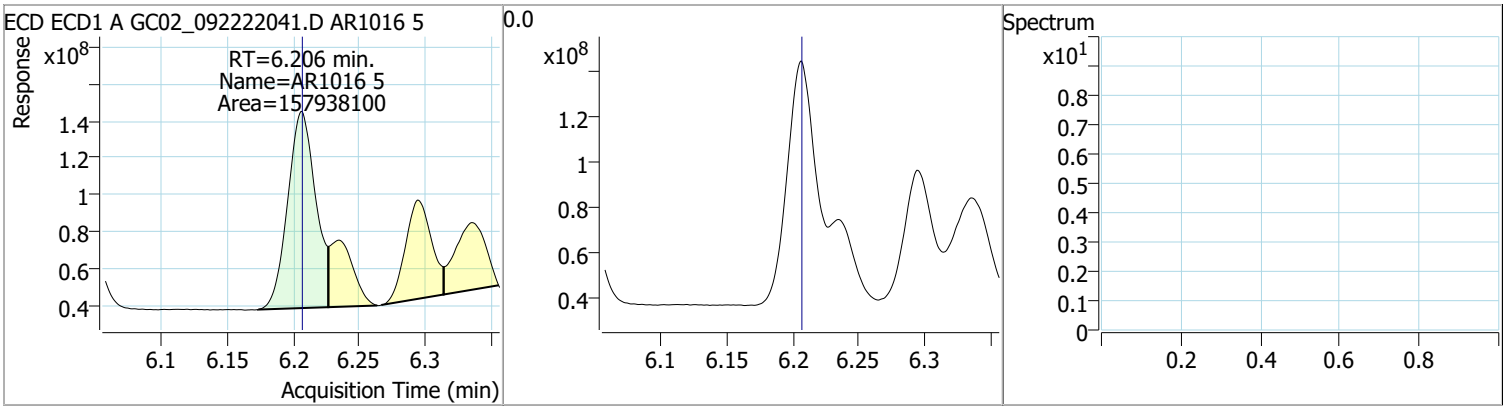
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	504.7131	5.77	0.00	8548962				



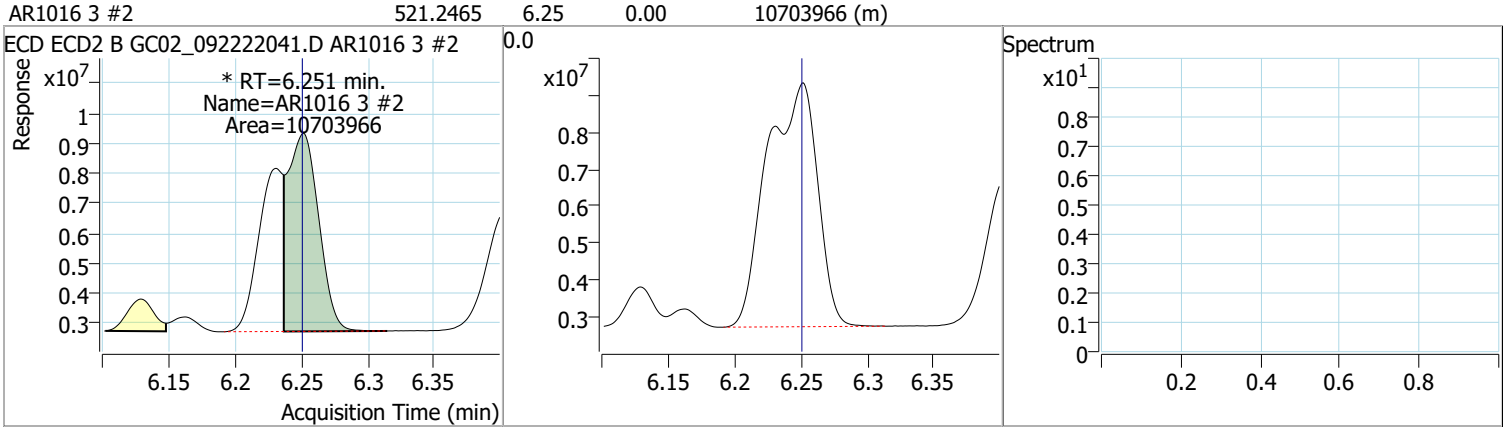
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	620.3965	5.81	0.00	194023422				



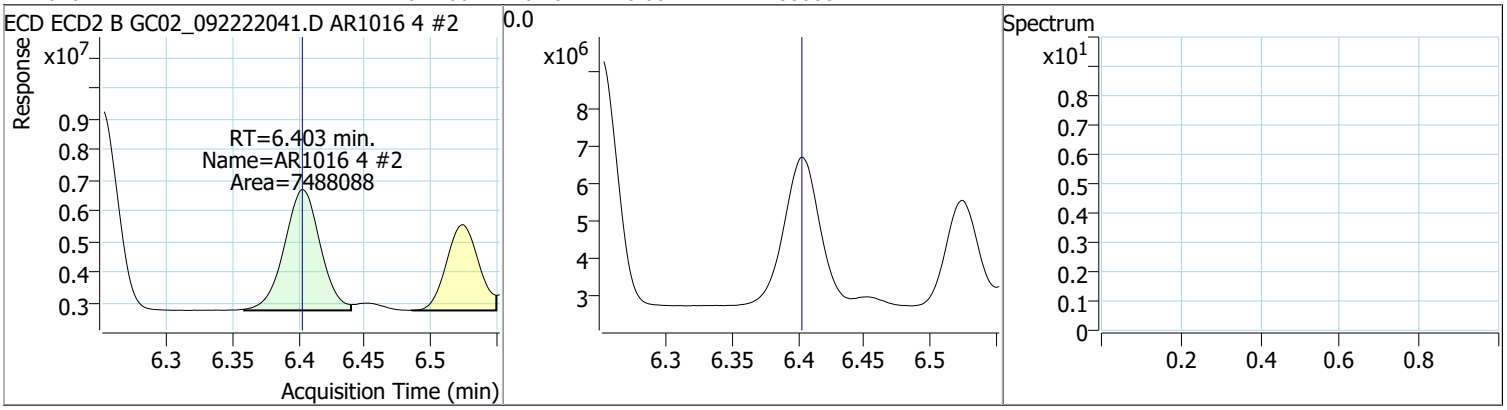
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	548.3233	6.21	0.00	157938100				



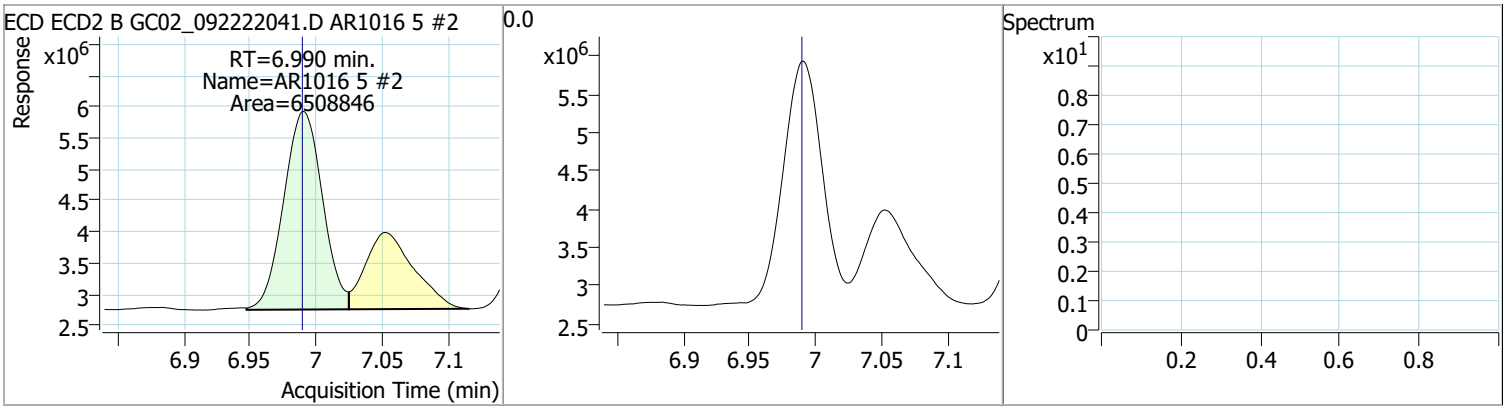
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	521.2465	6.25	0.00	10703966 (m)				



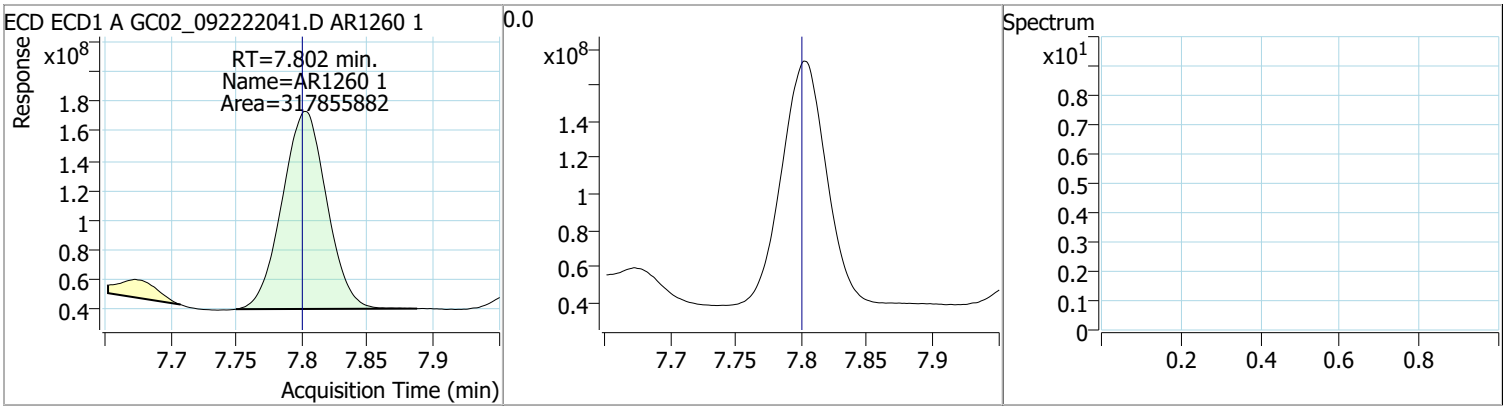
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	462.4002	6.40	0.00	7488088				



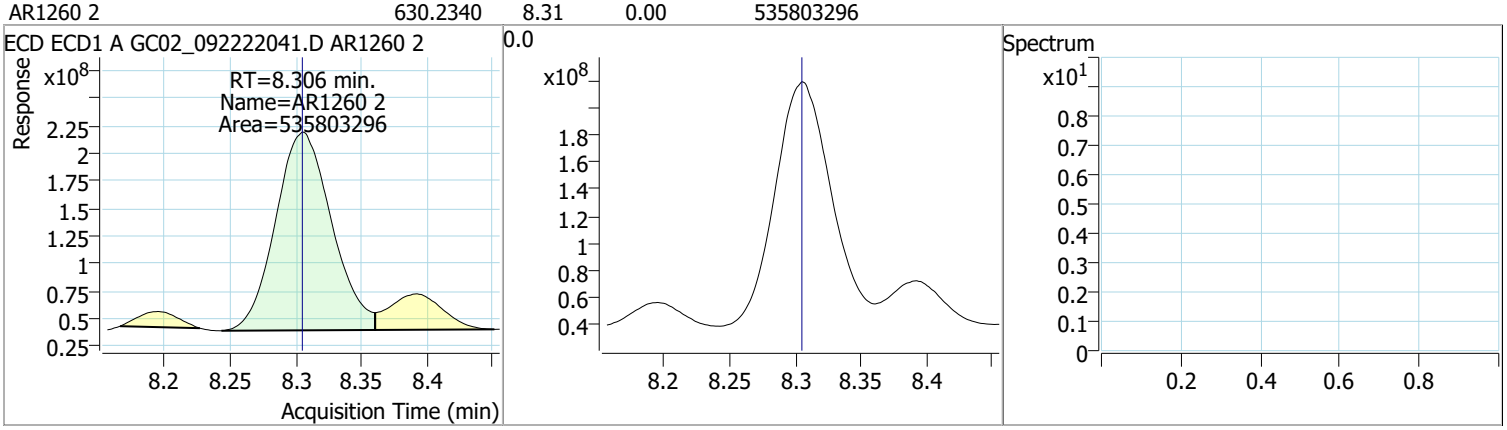
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	498.6680	6.99	0.00	6508846				



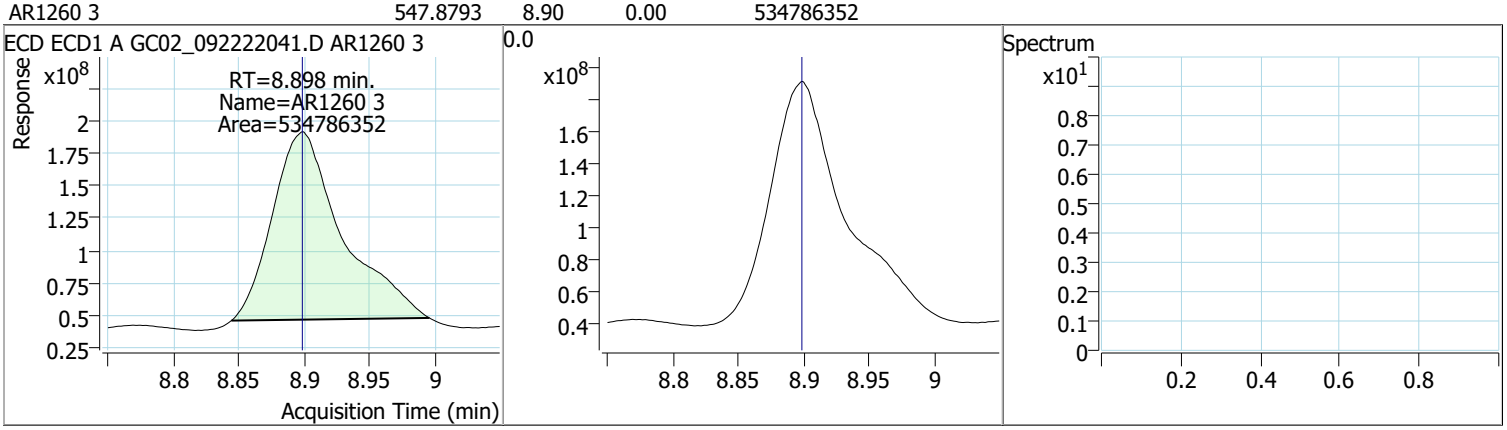
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	571.5032	7.80	0.00	317855882				



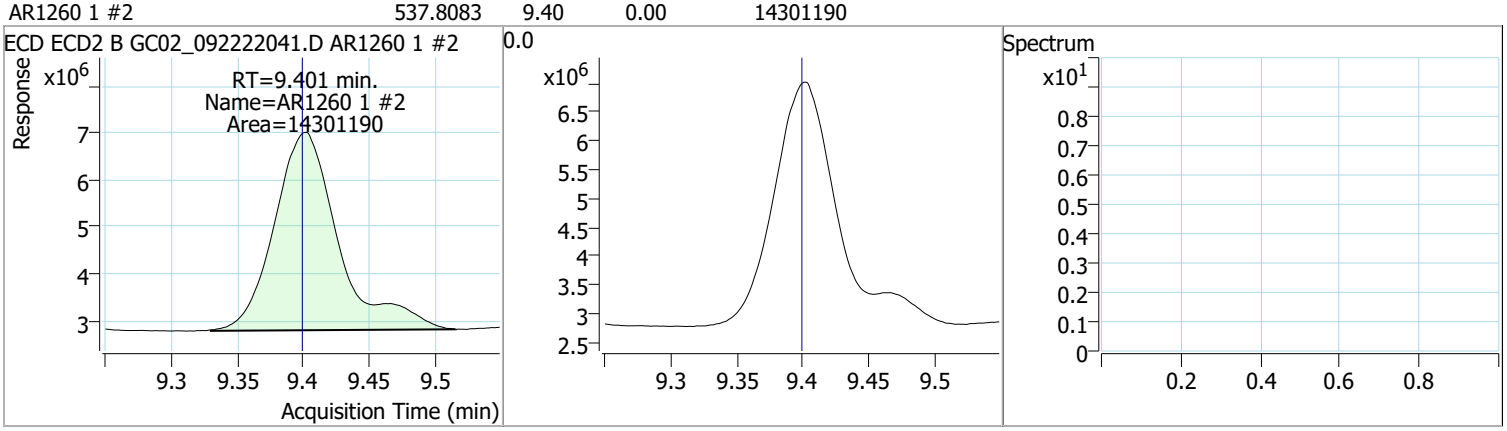
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	630.2340	8.31	0.00	535803296				



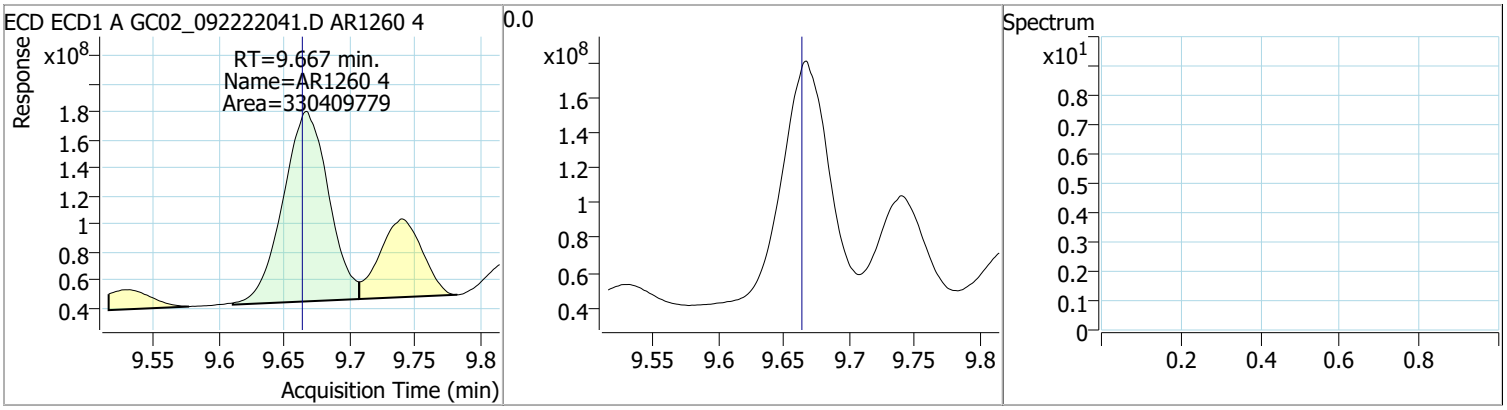
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	547.8793	8.90	0.00	534786352				



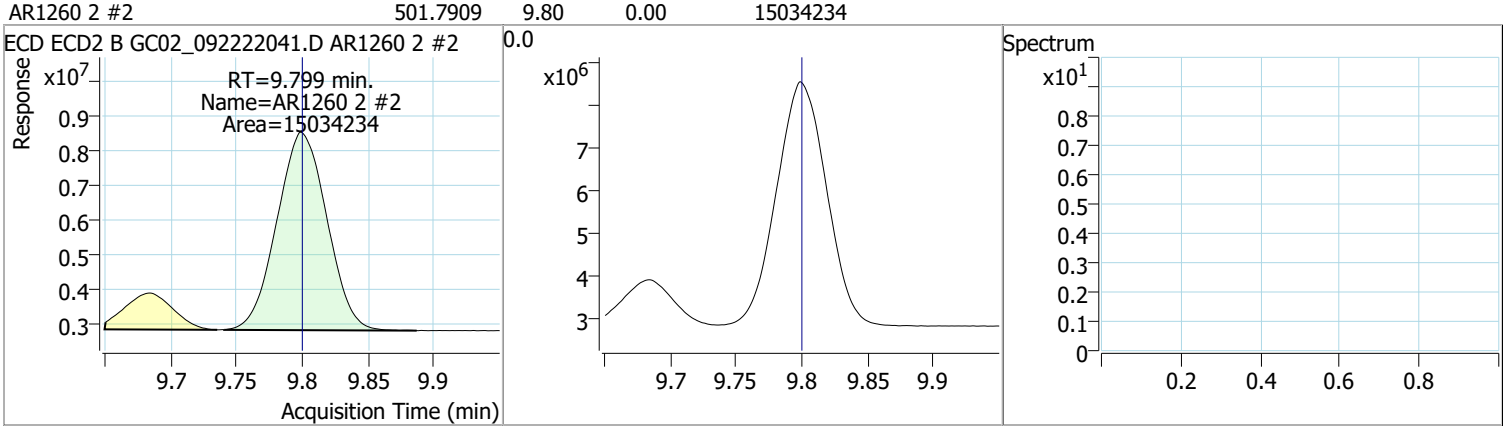
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	537.8083	9.40	0.00	14301190				



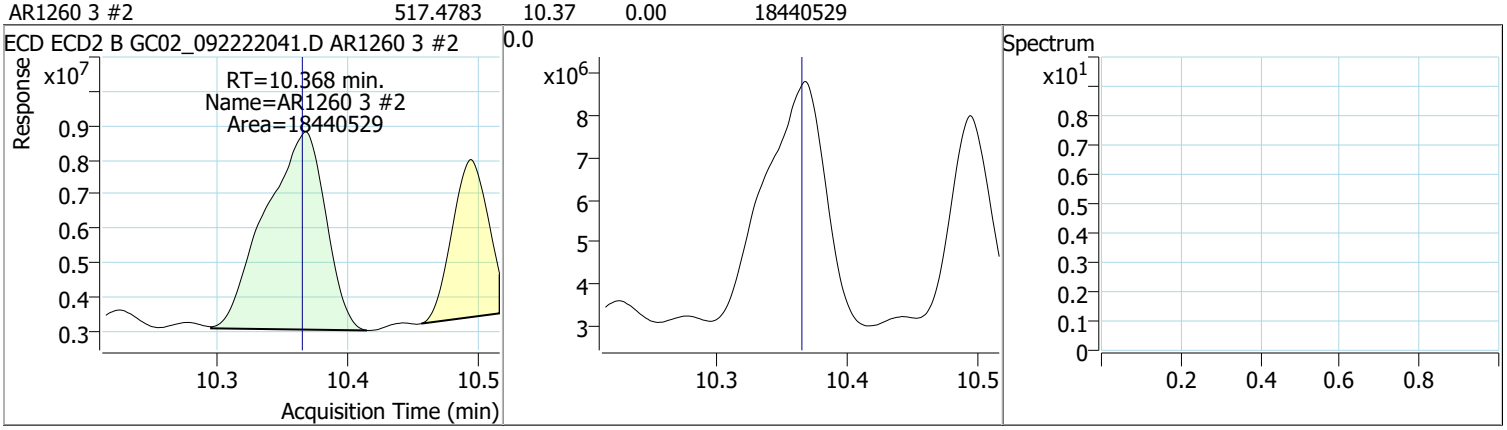
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	577.5386	9.67	0.00	330409779				



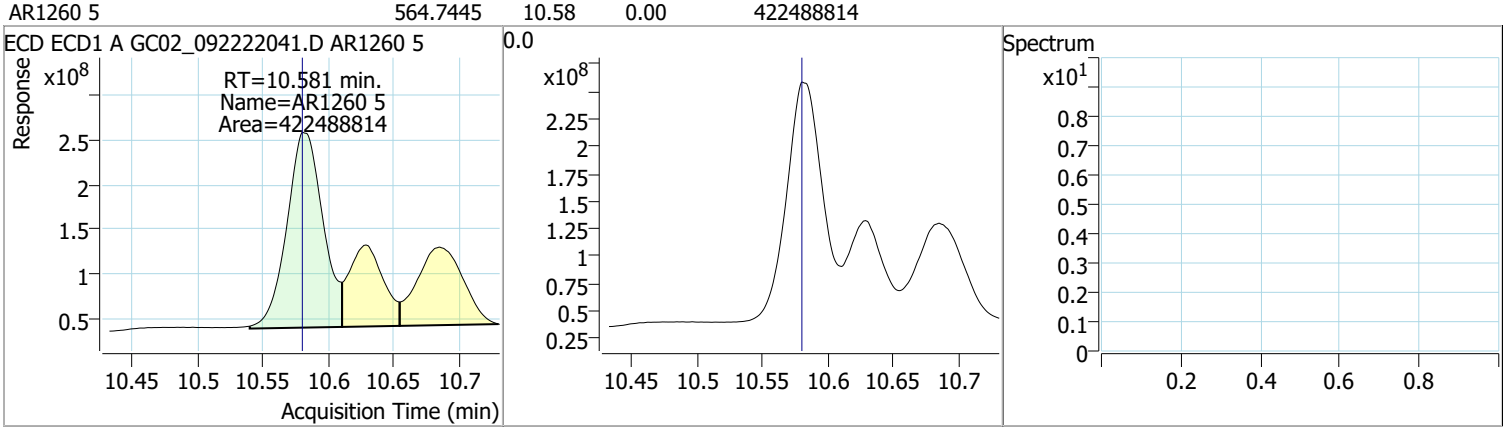
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	501.7909	9.80	0.00	15034234				



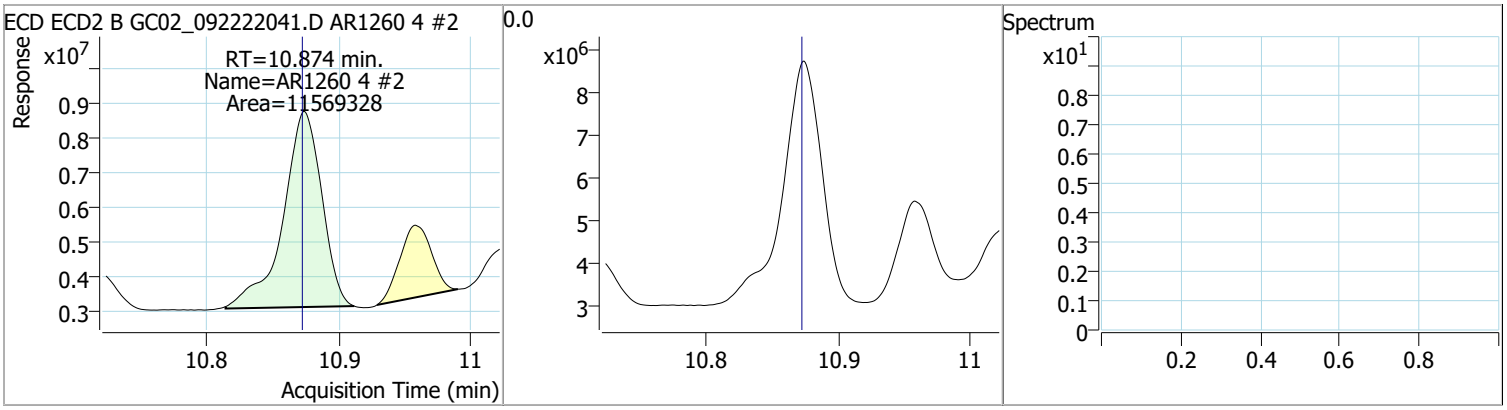
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	517.4783	10.37	0.00	18440529				



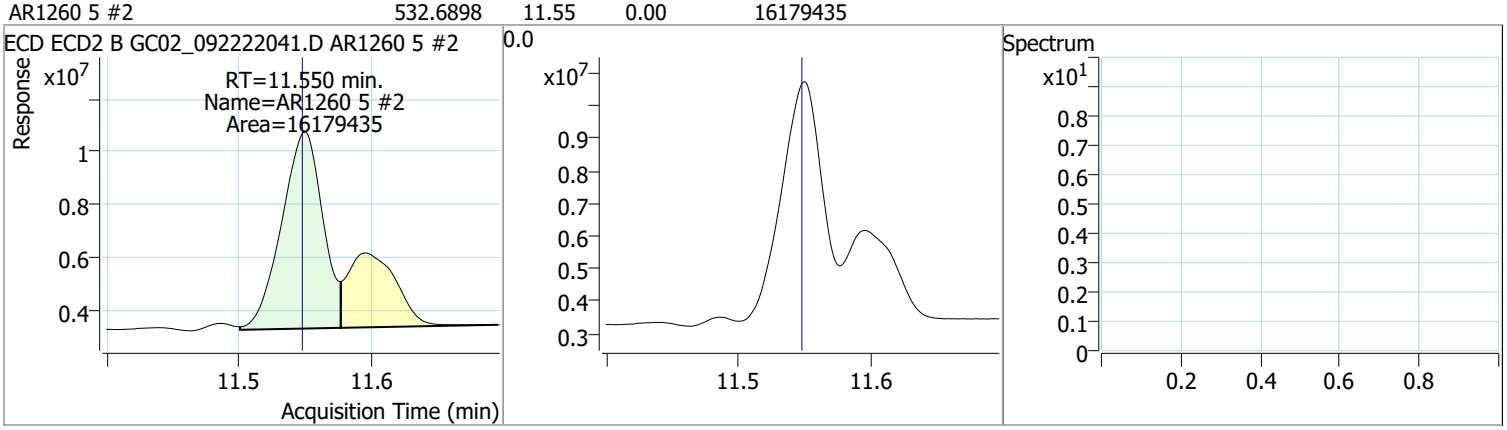
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	564.7445	10.58	0.00	422488814				



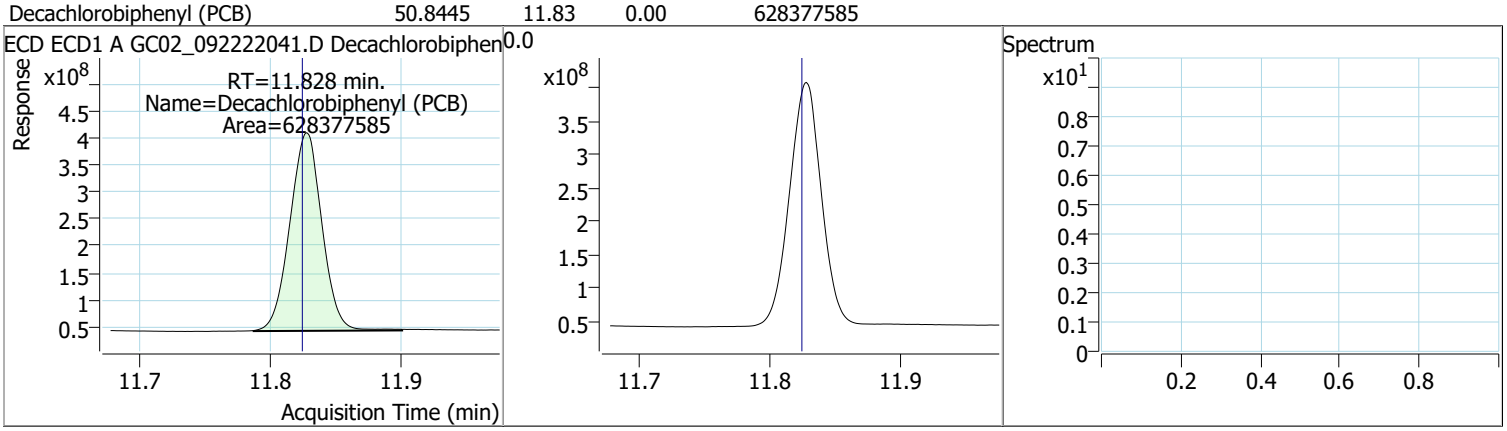
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	563.6533	10.87	0.00	11569328				



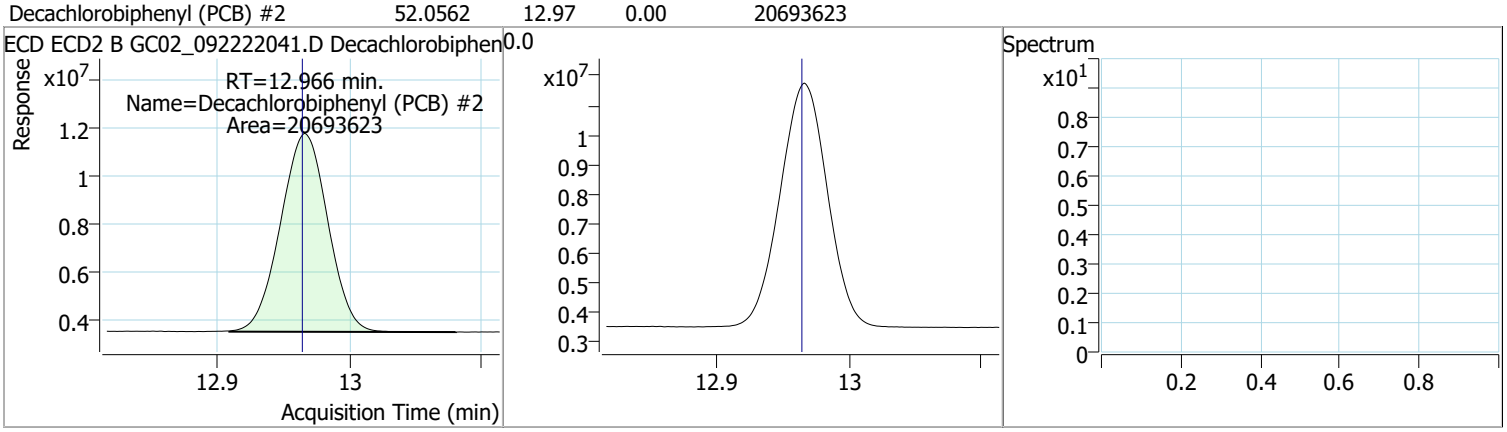
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	532.6898	11.55	0.00	16179435				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	50.8445	11.83	0.00	628377585				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	52.0562	12.97	0.00	20693623				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_608_090722_1
Calibration #:	212360956002	Date:	07-SEP-2022 21:46
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc02_090722-063	212360956063		07-SEP-2022 21:46	S17263
L2	gc02_090722-064	212360956064		07-SEP-2022 22:03	S17264
L3	gc02_090722-065	212360956065		07-SEP-2022 22:21	S17265
L4	gc02_090722-066	212360956066		07-SEP-2022 22:39	S17266
L5	gc02_090722-067	212360956067		07-SEP-2022 22:57	S17267
L6	gc02_090722-068	212360956068		07-SEP-2022 23:15	S17268
L7	gc02_090722-069	212360956069		07-SEP-2022 23:32	S17269
L8	gc02_090722-070	212360956070		07-SEP-2022 23:50	S17270
L9	gc02_090722-071	212360956071		08-SEP-2022 00:08	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		56.8500		0.0176		10	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		29.4485		0.0340		11	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.5402		0.0512		7	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		33.1869		0.0301		10	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		36.0330		0.0278		13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		18.6612		0.0536		9	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		12.2081		0.0819		10	9	.99	20	
Aroclor-1260 Peak # 3	A	LINR	36.7824	9.91908		0.0940	0.994		9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		18.1417		0.0551		8	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		13.8735		0.0721		11	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.83979		1.1908		8	7	.99	20	
TCMX (PCB)	A	AVRG		1.05702		0.9461		8	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		39.5700		0.0253		19	8	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		19.5984		0.0510		18	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		16.1654		0.0619		16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		20.4991		0.0488		20	7	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		25.4329		0.0393		17	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		12.4837		0.0801		16	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		11.0798		0.0903		19	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		9.31552		0.1073		15	8	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		16.1731		0.0618		10	8	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		10.9295		0.0915		19	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.83507		1.1975		15	9	.99	20	
TCMX (PCB)	B	AVRG		0.96274		1.0387		12	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
LINR: Linear regression

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_608_090722_1
Calibration #:	212360956002	Date:	07-SEP-2022 21:46
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0214	0.0191	0.0186	0.0168	0.0175	0.0168	0.0167	0.0158	0.0157
Aroclor-1016 Peak # 2	A	0.0427	0.0366	0.0347	0.0327	0.0318	0.0315	0.0325	0.0317	0.0315
Aroclor-1016 Peak # 3	A	0.0590	0.0526	0.0479	0.0475	0.0488	0.0483	0.0510	0.0510	0.0545
Aroclor-1016 Peak # 4	A	0.0379	0.0313	0.0291	0.0276	0.0283	0.0279	0.0299	0.0295	0.0297
Aroclor-1016 Peak # 5	A	0.0370	0.0277	0.0277	0.0253	0.0260	0.0253	0.0272	0.0266	0.0268
Aroclor-1260 Peak # 1	A	0.0663	0.0548	0.0531	0.0504	0.0503	0.0498	0.0540	0.0514	0.0522
Aroclor-1260 Peak # 2	A	0.1027	0.0815	0.0785	0.0746	0.0771	0.0768	0.0842	0.0800	0.0817
Aroclor-1260 Peak # 3	A	0.1145	0.0893	0.0857	0.0895	0.0942	0.0822	0.0893	0.0988	0.1024
Aroclor-1260 Peak # 4	A	0.0623	0.0524	0.0508	0.0490	0.0523	0.0530	0.0600	0.0570	0.0592
Aroclor-1260 Peak # 5	A	0.0854	0.0646	0.0639	0.0630	0.0690	0.0698	0.0794	0.0749	0.0787
Decachlorobiphenyl (PCB)	A			1.0897	1.0535	1.1678	1.1799	1.3325	1.2226	1.2894
TCMX (PCB)	A	1.0867	0.8914	0.8753	0.8692	0.9100	0.9236	0.9811	0.9862	0.9911
Aroclor-1016 Peak # 1	B	0.0358	0.0278	0.0260	0.0243	0.0241	0.0225	0.0218	0.0198	
Aroclor-1016 Peak # 2	B	0.0680	0.0600	0.0561	0.0520	0.0496	0.0463	0.0456	0.0419	0.0397
Aroclor-1016 Peak # 3	B	0.0827	0.0690	0.0664	0.0616	0.0597	0.0563	0.0568	0.0534	0.0509
Aroclor-1016 Peak # 4	B	0.0690	0.0520	0.0490	0.0455	0.0441	0.0411	0.0409		
Aroclor-1016 Peak # 5	B	0.0522	0.0444	0.0421	0.0413	0.0383	0.0360	0.0358	0.0326	0.0312
Aroclor-1260 Peak # 1	B	0.1045	0.0903	0.0869	0.0818	0.0795	0.0741	0.0743	0.0660	0.0636
Aroclor-1260 Peak # 2	B	0.1217	0.1046	0.0965	0.0888	0.0845	0.0779	0.0785	0.0694	
Aroclor-1260 Peak # 3	B	0.1382	0.1199	0.1138	0.1056	0.1025	0.0957	0.0967	0.0863	
Aroclor-1260 Peak # 4	B		0.0734	0.0621	0.0657	0.0648	0.0579	0.0621	0.0548	0.0538
Aroclor-1260 Peak # 5	B	0.1321	0.1022	0.0963	0.0887	0.0881	0.0830	0.0851	0.0746	0.0735
Decachlorobiphenyl (PCB)	B	1.5661	1.2963	1.2984	1.1801	1.1943	1.1178	1.1508	0.9893	0.9842
TCMX (PCB)	B	1.3182	1.1379	1.0746	1.0190	1.0021	0.9591	0.9840	0.9402	0.9133

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_608_090722_1
Calibration #:	212360956002	Date:	07-SEP-2022 21:46
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**21**	50.000	9	100.00	5	250.00	-5	500.00	0	749.91	-4	1000.0	-5	1500.0	-10
Aroclor-1016 Peak # 2	A	20.000	**26**	50.000	8	100.00	2	250.00	-4	500.00	-6	749.91	-7	1000.0	-4	1500.0	-7
Aroclor-1016 Peak # 3	A	20.000	15	50.000	3	100.00	-6	250.00	-7	500.00	-5	749.91	-6	1000.0	0	1500.0	0
Aroclor-1016 Peak # 4	A	20.000	**26**	50.000	4	100.00	-3	250.00	-9	500.00	-6	749.91	-7	1000.0	-1	1500.0	-2
Aroclor-1016 Peak # 5	A	20.000	**33**	50.000	0	100.00	0	250.00	-9	500.00	-6	749.91	-9	1000.0	-2	1500.0	-4
Aroclor-1260 Peak # 1	A	20.000	**24**	50.000	2	100.00	-1	250.00	-6	500.00	-6	749.91	-7	1000.0	1	1500.0	-4
Aroclor-1260 Peak # 2	A	20.000	**25**	50.000	-1	100.00	-4	250.00	-9	500.00	-6	749.91	-6	1000.0	3	1500.0	-2
Aroclor-1260 Peak # 3	A	20.000	**197**	50.000	**62**	100.00	**22**	250.00	3	500.00	1	749.91	-14	1000.0	-8	1500.0	0
Aroclor-1260 Peak # 4	A	20.000	13	50.000	-5	100.00	-8	250.00	-11	500.00	-5	749.91	-4	1000.0	9	1500.0	3
Aroclor-1260 Peak # 5	A	20.000	19	50.000	-10	100.00	-11	250.00	-13	500.00	-4	749.91	-3	1000.0	10	1500.0	4
Decachlorobiphenyl (PCB)	A					8.0000	-8	20.000	-12	40.000	-2	59.993	-1	80.000	12	120.00	3
TCMX (PCB)	A	1.6000	15	4.0000	-6	8.0000	-7	20.000	-8	40.000	-4	59.993	-2	80.000	4	120.00	4
Aroclor-1016 Peak # 1	B	20.000	**42**	50.000	10	100.00	3	250.00	-4	500.00	-5	749.91	-11	1000.0	-14	1500.0	**-21**
Aroclor-1016 Peak # 2	B	20.000	**33**	50.000	18	100.00	10	250.00	2	500.00	-3	749.91	-9	1000.0	-11	1500.0	-18
Aroclor-1016 Peak # 3	B	20.000	**34**	50.000	11	100.00	7	250.00	0	500.00	-3	749.91	-9	1000.0	-8	1500.0	-14
Aroclor-1016 Peak # 4	B	20.000	**41**	50.000	7	100.00	0	250.00	-7	500.00	-10	749.91	-16	1000.0	-16		
Aroclor-1016 Peak # 5	B	20.000	**33**	50.000	13	100.00	7	250.00	5	500.00	-2	749.91	-9	1000.0	-9	1500.0	-17
Aroclor-1260 Peak # 1	B	20.000	**30**	50.000	13	100.00	8	250.00	2	500.00	-1	749.91	-8	1000.0	-7	1500.0	-18
Aroclor-1260 Peak # 2	B	20.000	**35**	50.000	16	100.00	7	250.00	-2	500.00	-6	749.91	-14	1000.0	-13	1500.0	**-23**
Aroclor-1260 Peak # 3	B	20.000	**29**	50.000	12	100.00	6	250.00	-2	500.00	-5	749.91	-11	1000.0	-10	1500.0	-20
Aroclor-1260 Peak # 4	B			50.000	19	100.00	1	250.00	6	500.00	5	749.91	-6	1000.0	0	1500.0	-11
Aroclor-1260 Peak # 5	B	20.000	**44**	50.000	12	100.00	5	250.00	-3	500.00	-4	749.91	-9	1000.0	-7	1500.0	-18
Decachlorobiphenyl (PCB)	B	1.6000	**31**	4.0000	8	8.0000	8	20.000	-1	40.000	0	59.993	-7	80.000	-4	120.00	-17
TCMX (PCB)	B	1.6000	**27**	4.0000	10	8.0000	3	20.000	-2	40.000	-4	59.993	-8	80.000	-5	120.00	-9

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_608_090722_1
Calibration #:	212360956002	Date:	07-SEP-2022 21:46
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-11
Aroclor-1016 Peak # 2	A	2000.0	-7
Aroclor-1016 Peak # 3	A	2000.0	6
Aroclor-1016 Peak # 4	A	2000.0	-2
Aroclor-1016 Peak # 5	A	2000.0	-3
Aroclor-1260 Peak # 1	A	2000.0	-3
Aroclor-1260 Peak # 2	A	2000.0	0
Aroclor-1260 Peak # 3	A	2000.0	3
Aroclor-1260 Peak # 4	A	2000.0	7
Aroclor-1260 Peak # 5	A	2000.0	9
Decachlorobiphenyl (PCB)	A	160.00	8
TCMX (PCB)	A	160.00	5
Aroclor-1016 Peak # 1	B		
Aroclor-1016 Peak # 2	B	2000.0	**-22**
Aroclor-1016 Peak # 3	B	2000.0	-18
Aroclor-1016 Peak # 4	B		
Aroclor-1016 Peak # 5	B	2000.0	**-21**
Aroclor-1260 Peak # 1	B	2000.0	**-21**
Aroclor-1260 Peak # 2	B		
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B	2000.0	-13
Aroclor-1260 Peak # 5	B	2000.0	-20
Decachlorobiphenyl (PCB)	B	160.00	-18
TCMX (PCB)	B	160.00	-12

TRN 09/08/22 : Manually integrated peak for coeluting, negative/positive baseline for both/one channel on multiple level

Analyst: TRN 09/08/22

Reviewer: LW 09/08/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 469273 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02	Name:	PCB_608_090722_1
Calnum:	212360956002	Cal Date:	07-SEP-2022

- ICV 212360956073 (gc02_090722-073 08-SEP-2022) stds: S17274

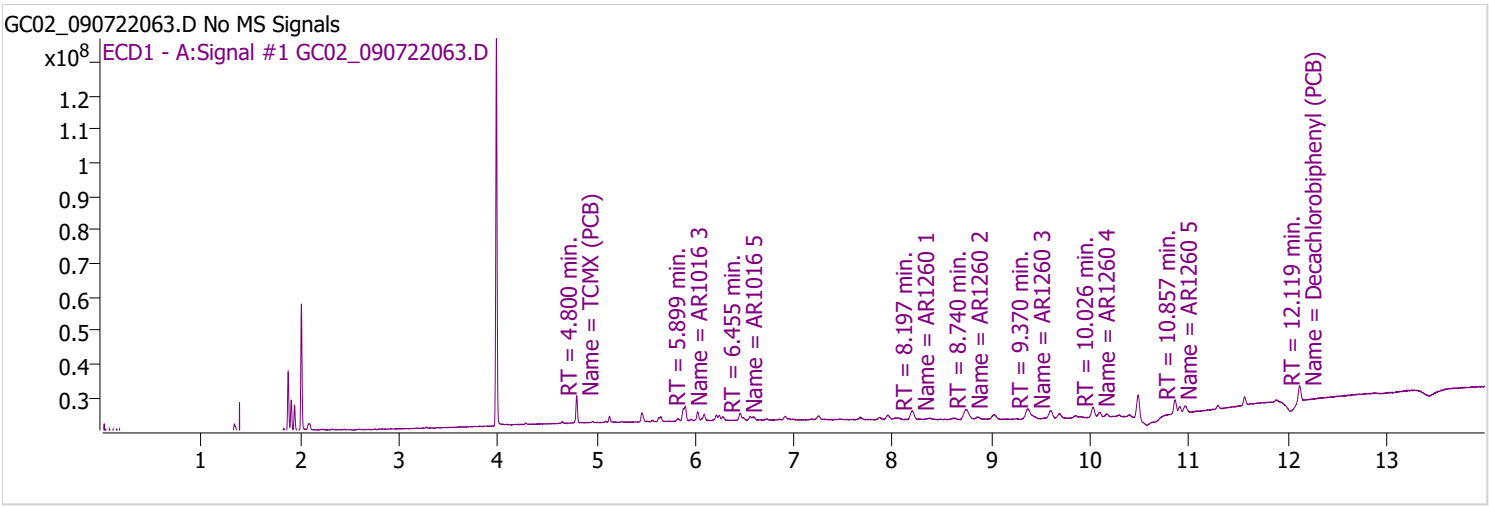
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	481.1	ug/L	-4	15	
Aroclor-1260	A	500.0	553.6	ug/L	11	15	
Aroclor-1016	B	500.0	479.3	ug/L	-4	15	
Aroclor-1260	B	500.0	536.9	ug/L	7	15	

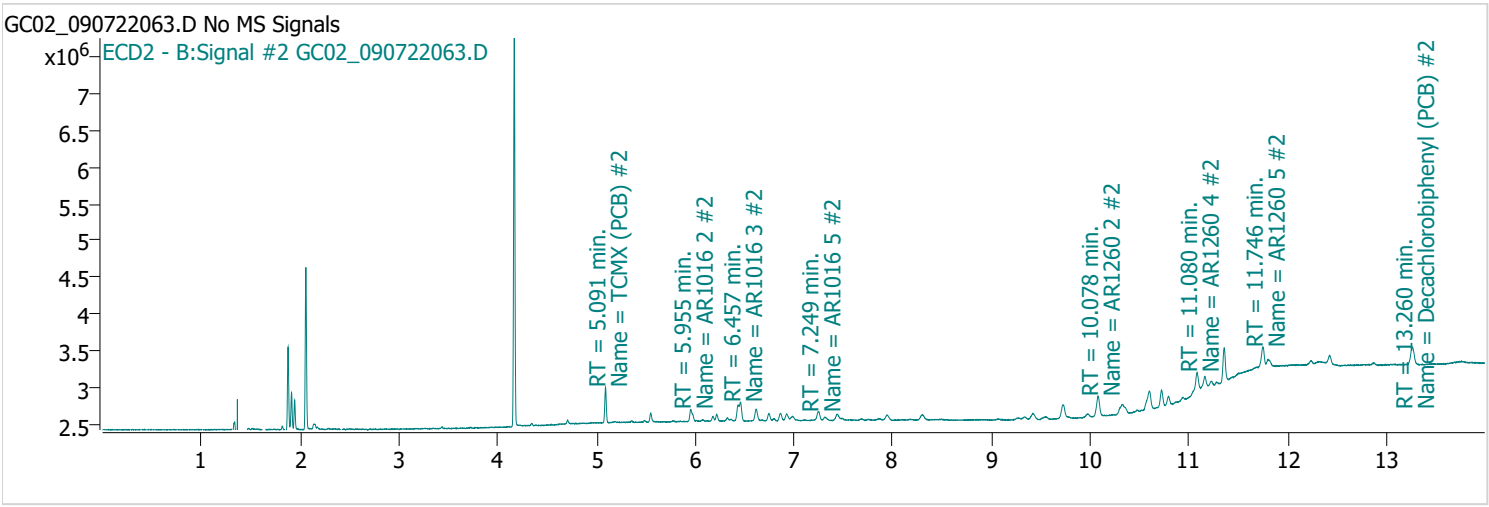
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Analyst: TRN 09/08/22 **Reviewer:** LW 09/08/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_090722063.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/7/2022 9:46:13 PM
Sample Name	ICAL, S17263	Instrument	SVOA-GC02
Vial	41	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_1.m	Comment	20PPB PCB ICAL1
Tune File	ATUNE.U	Tune Date	
Batch Name	090722PCBICAL.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



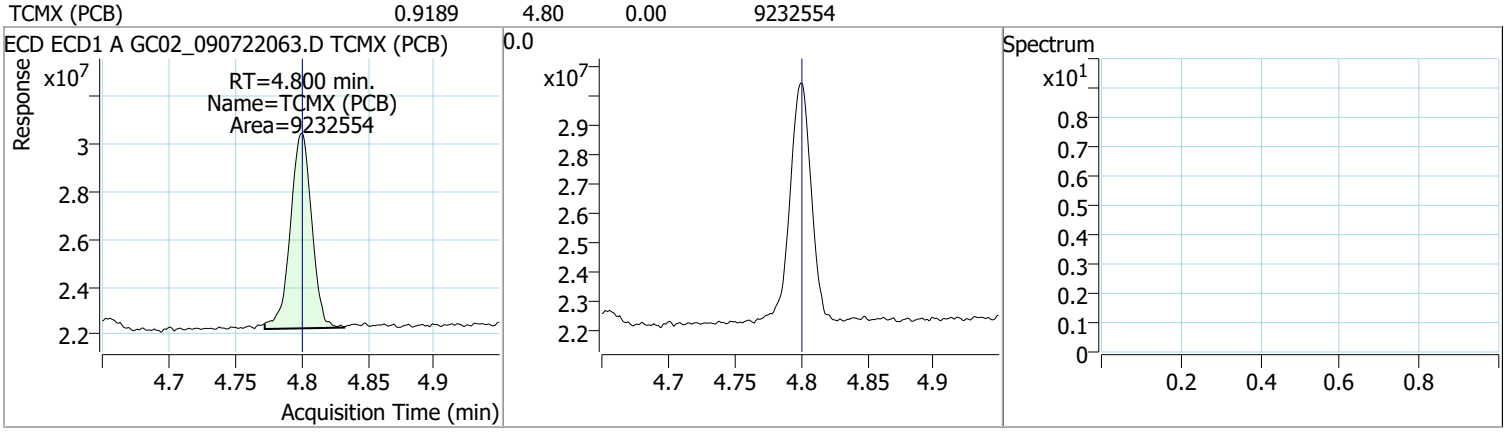


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	106200758.091	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.168	0.0	4981500.298	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.800	0.0	9232553.805	0.9189	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.59%		*	
S TCMX (PCB) #2	5.091	0.0	525341.692	1.0153	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.08%		*	
S Decachlorobiphenyl (PCB)	12.119	0.0	20119590.534	1.5910	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.96%		*	
S Decachlorobiphenyl (PCB) #2	13.260	0.0	624117.549	1.0463	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.23%		*	
Target Compounds							QValue
T AR1016 1	5.130	0.0	2268666.755	24.2890	ng/ml		100

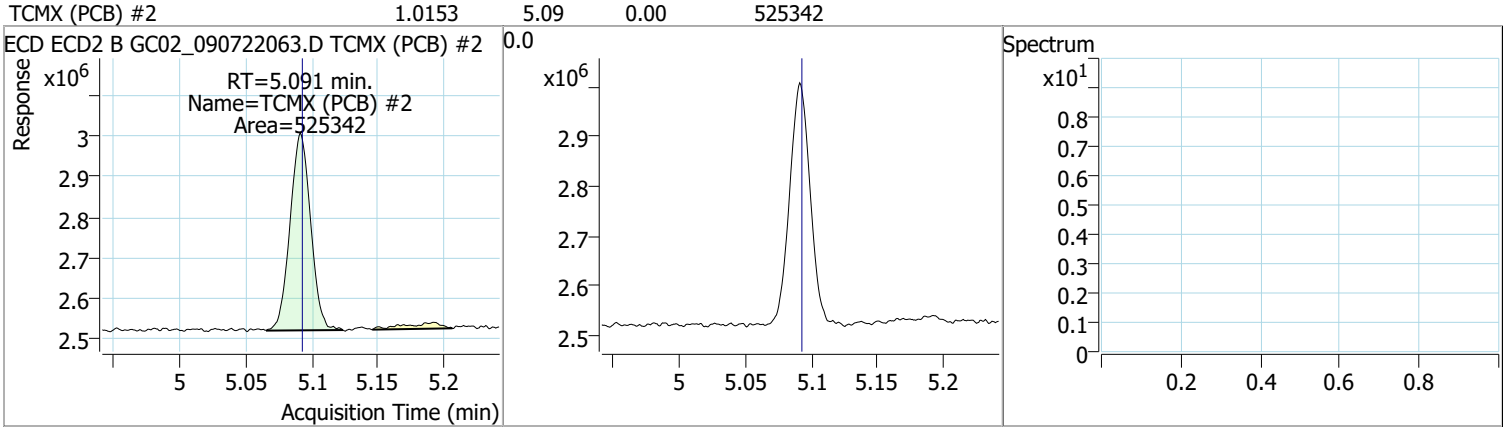
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.460	0.0	4530232.018	25.1242	ng/ml		100
T AR1016 1 #2	5.550	0.0	178429.723	28.3472	ng/ml		100
T AR1016 3	5.899	0.0	6263423.161	23.0488	ng/ml	m	100
T AR1016 2 #2	5.955	0.0	338843.773	26.6621	ng/ml		100
T AR1016 4	6.024	0.0	4024297.710	25.1515	ng/ml		100
T AR1016 5	6.455	0.0	3931659.609	26.6799	ng/ml		100
T AR1016 3 #2	6.457	0.0	411877.164	26.7319	ng/ml	m	100
T AR1016 4 #2	6.615	0.0	343495.849	29.8938	ng/ml		100
T AR1016 5 #2	7.249	0.0	259880.501	26.5366	ng/ml		100
T AR1260 1	8.197	0.0	7036403.428	24.7285	ng/ml		100
T AR1260 2	8.740	0.0	10906092.020	25.0741	ng/ml		100
T AR1260 3	9.370	0.0	12161160.203	59.5072	ng/ml		100
T AR1260 1 #2	9.722	0.0	520587.227	26.0923	ng/ml	m	100
T AR1260 4	10.026	0.0	6618092.388	22.6110	ng/ml		100
T AR1260 2 #2	10.078	0.0	606355.740	26.9733	ng/ml		100
T AR1260 3 #2	10.596	0.0	688678.951	25.7573	ng/ml		100
T AR1260 5	10.857	0.0	9072409.900	23.7038	ng/ml		100
T AR1260 4 #2	11.080	0.0	579975.533	37.6598	ng/ml		100
T AR1260 5 #2	11.746	0.0	657858.718	28.8674	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

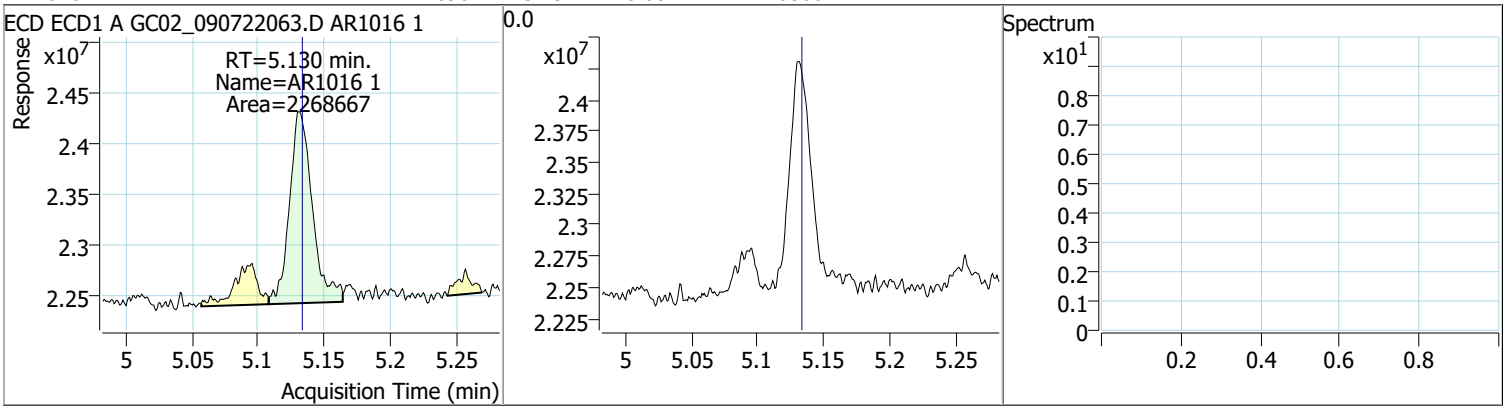
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.9189	4.80	0.00	9232554				



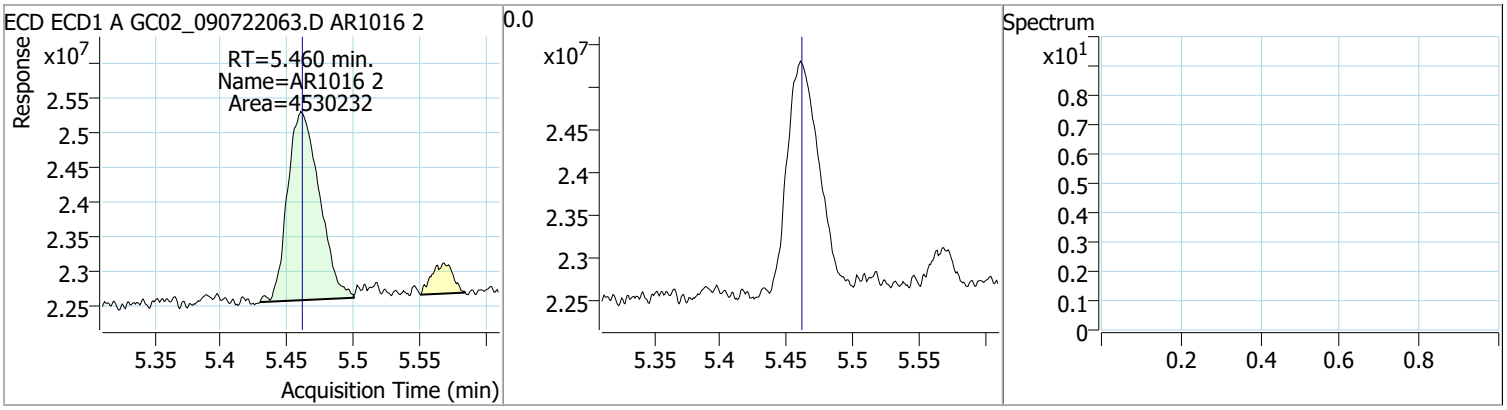
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.0153	5.09	0.00	525342				



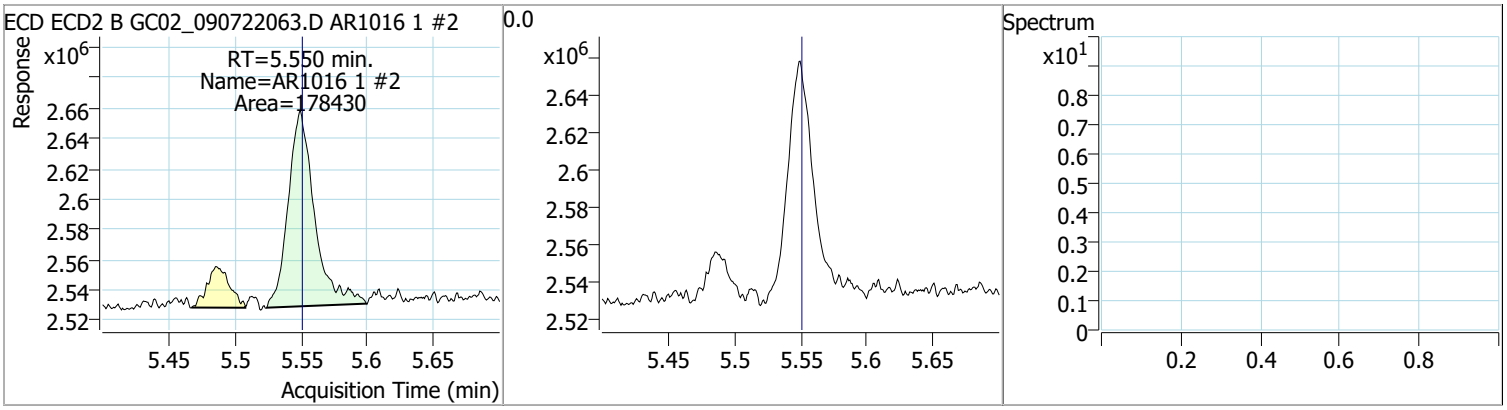
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.2890	5.13	0.00	2268667				



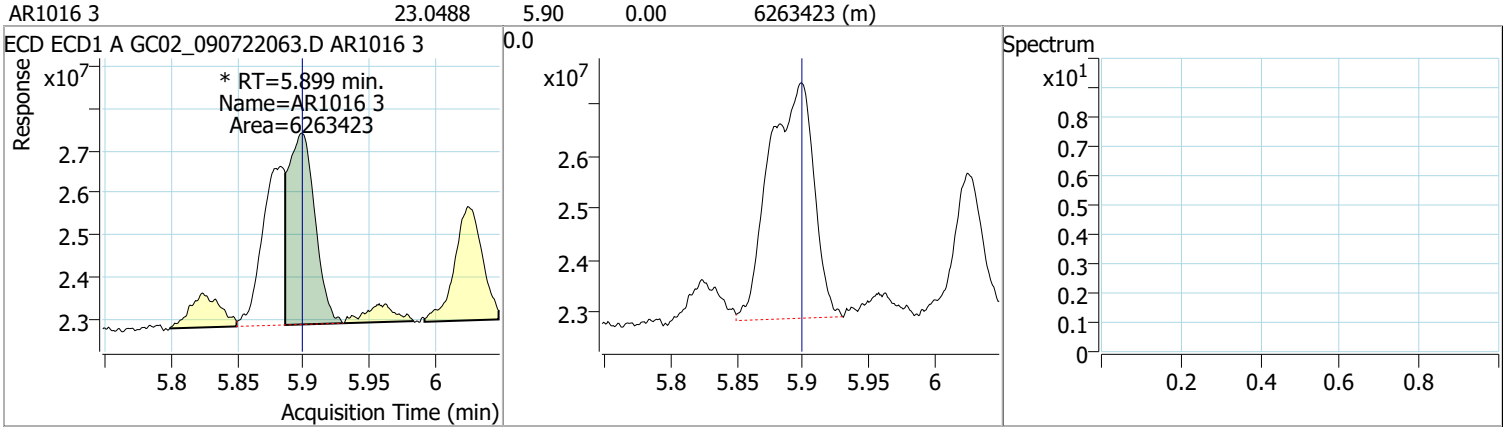
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.1242	5.46	0.00	4530232				



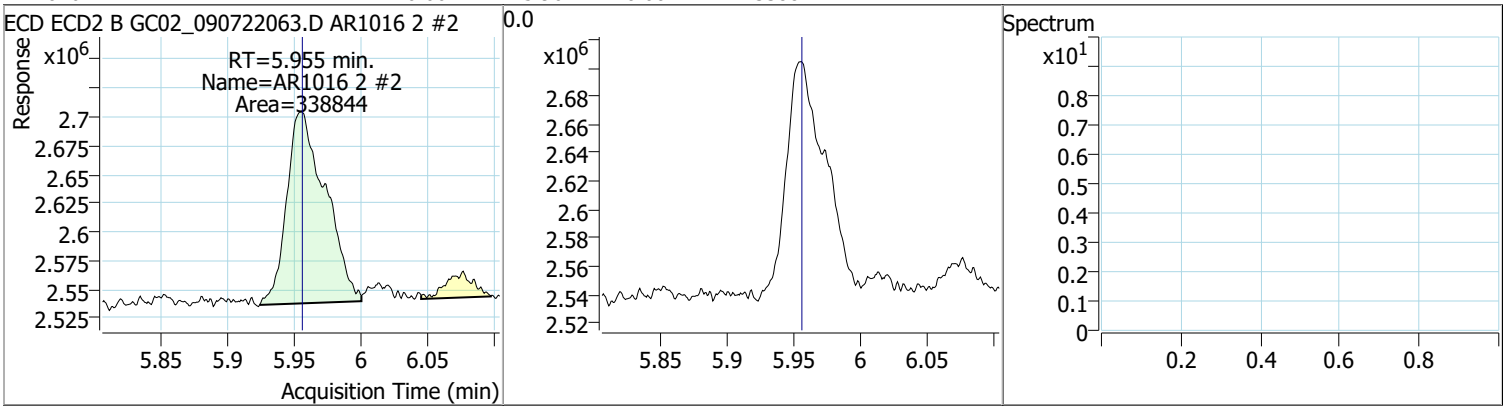
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	28.3472	5.55	0.00	178430				



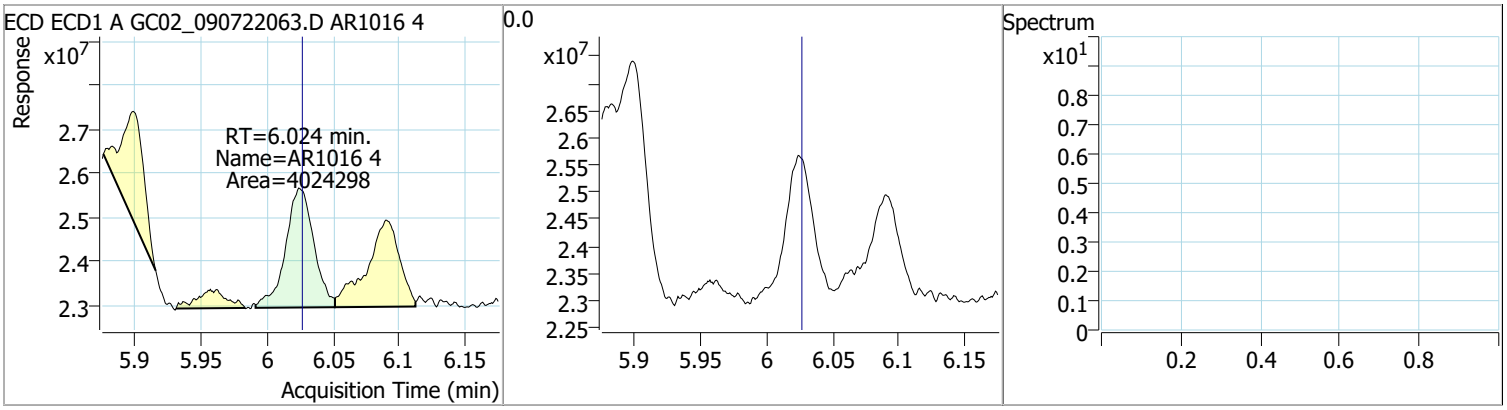
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	23.0488	5.90	0.00	6263423 (m)				



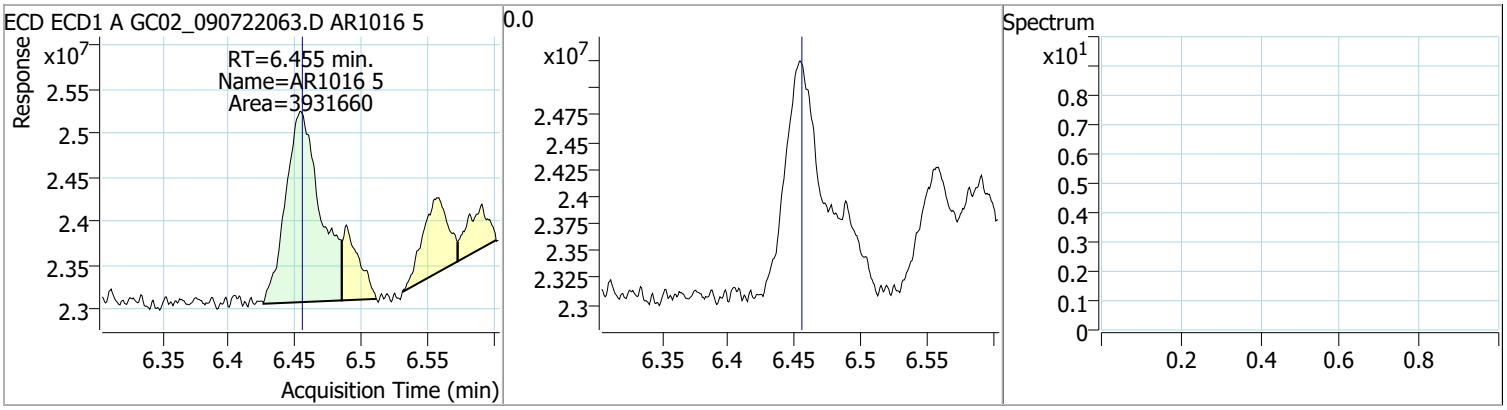
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	26.6621	5.96	0.00	338844				



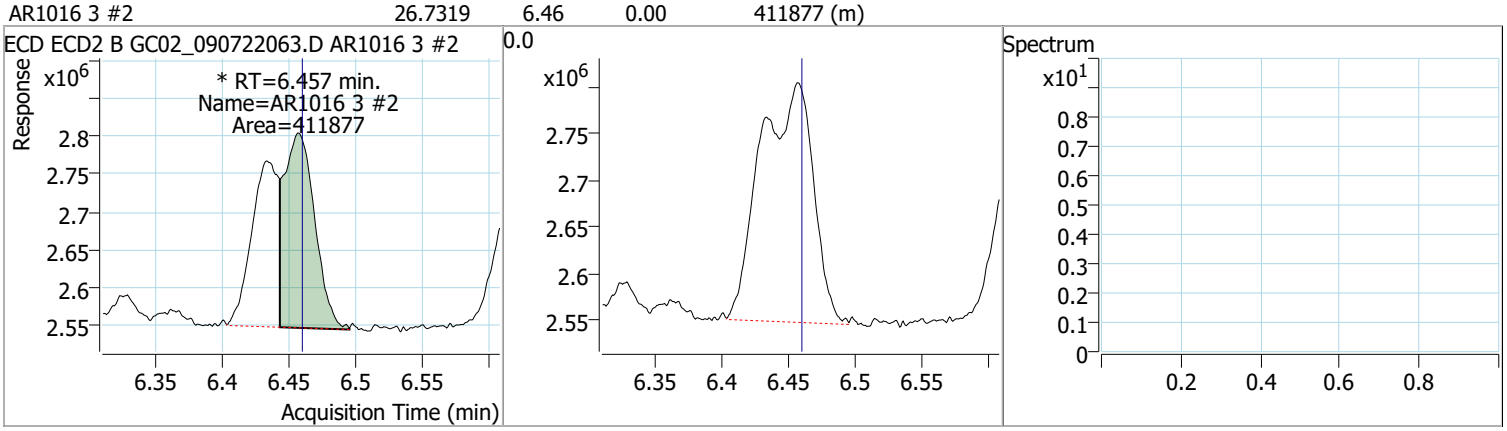
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	25.1515	6.02	0.00	4024298				



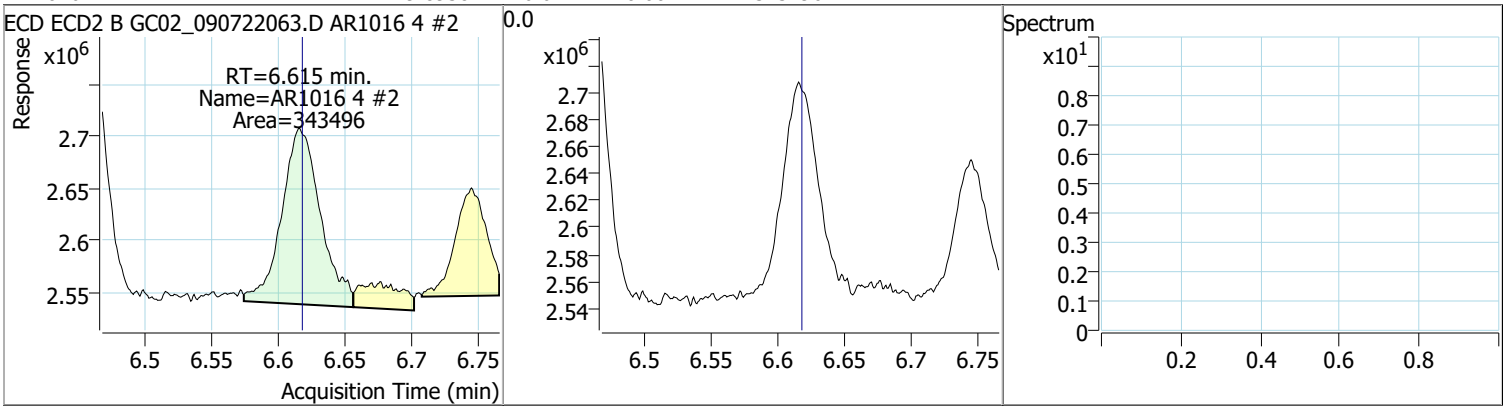
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	26.6799	6.45	0.00	3931660				



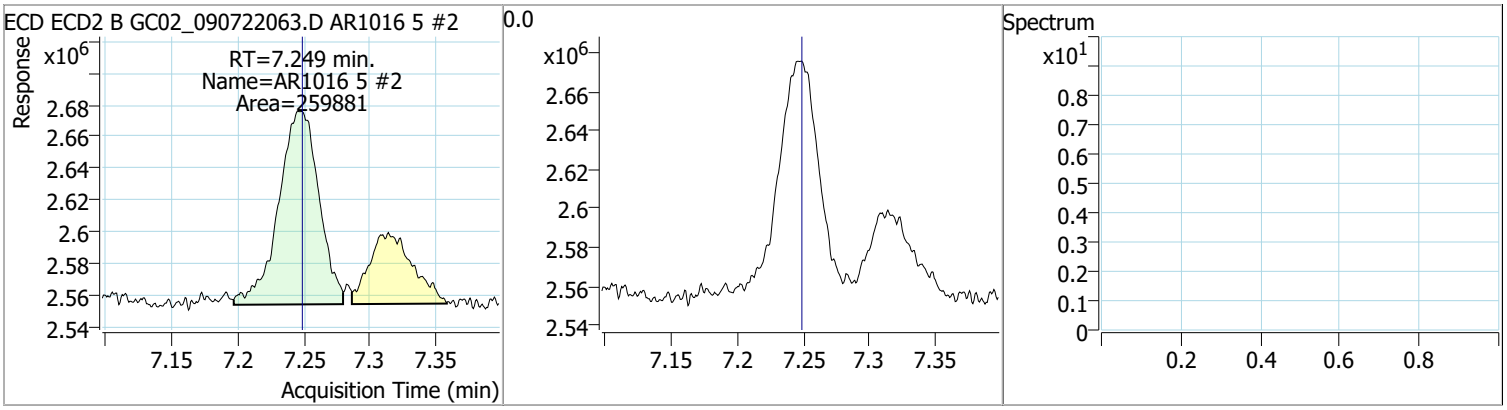
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	26.7319	6.46	0.00	411877 (m)				



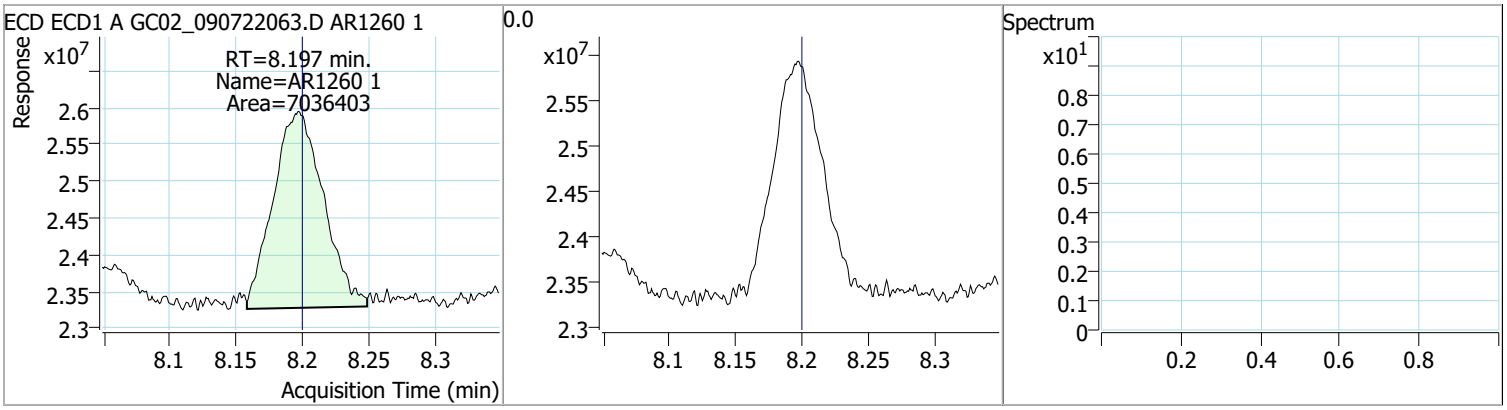
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	29.8938	6.62	0.00	343496				



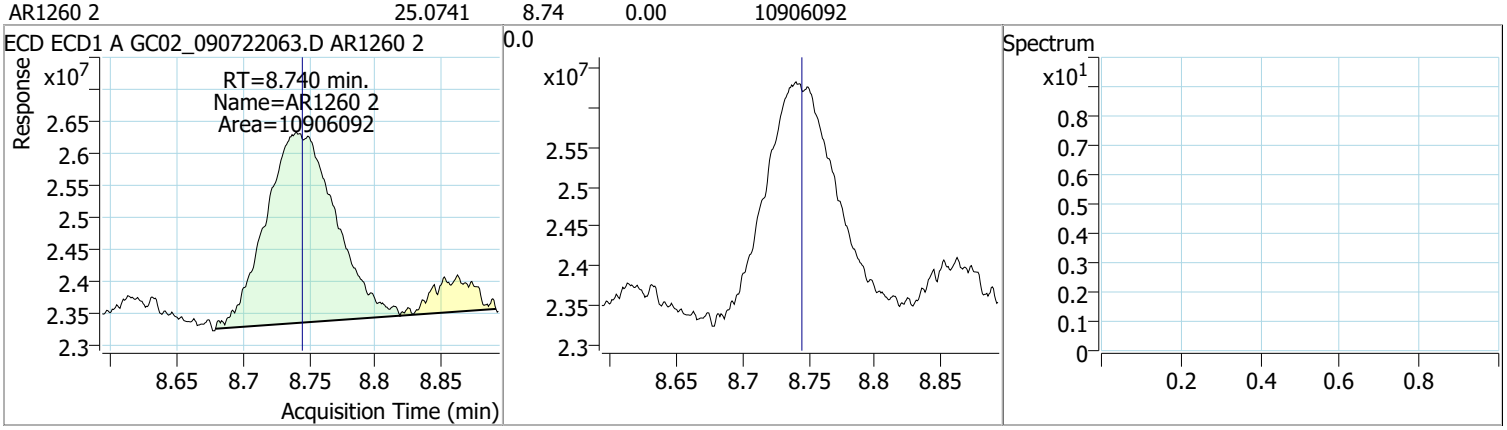
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	26.5366	7.25	0.00	259881				



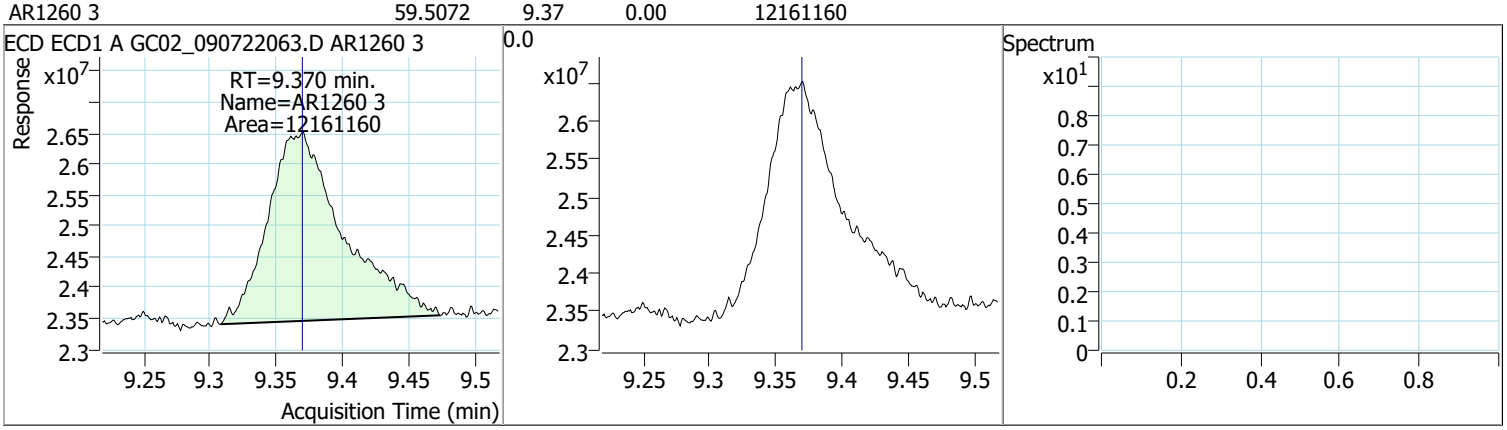
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	24.7285	8.20	0.00	7036403				



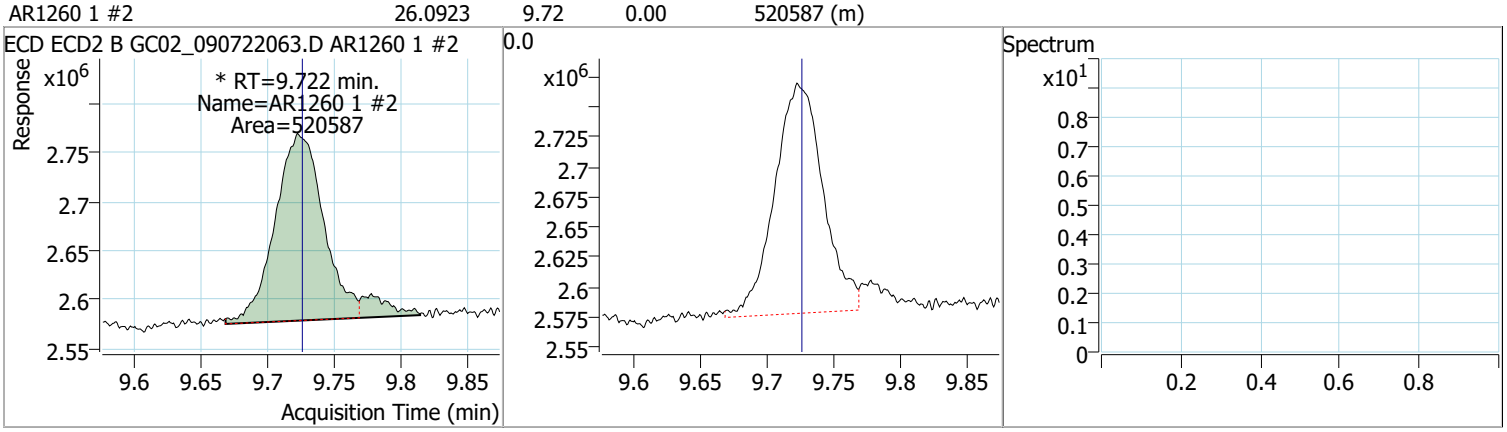
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	25.0741	8.74	0.00	10906092				



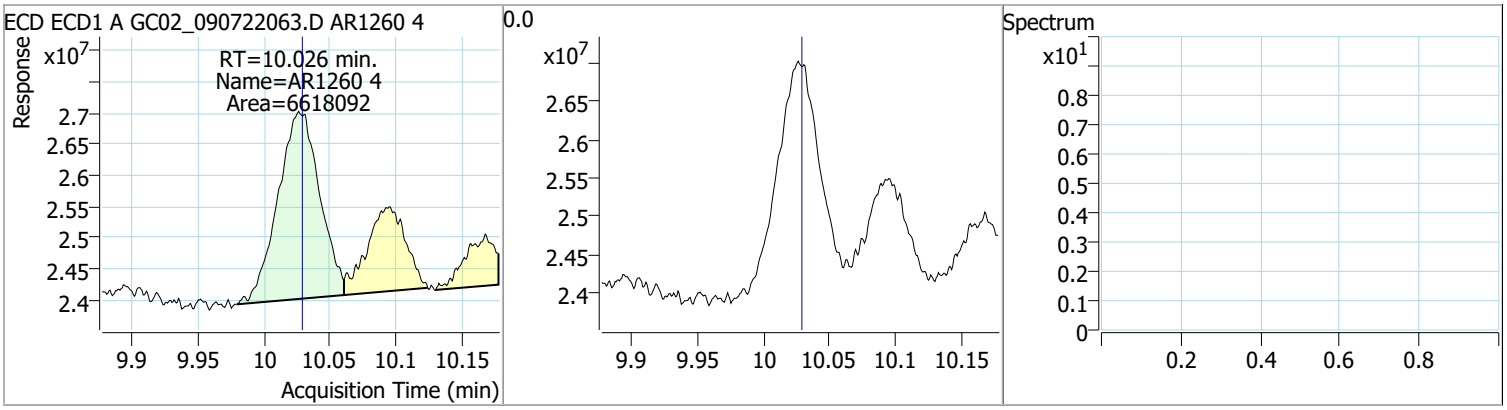
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	59.5072	9.37	0.00	12161160				



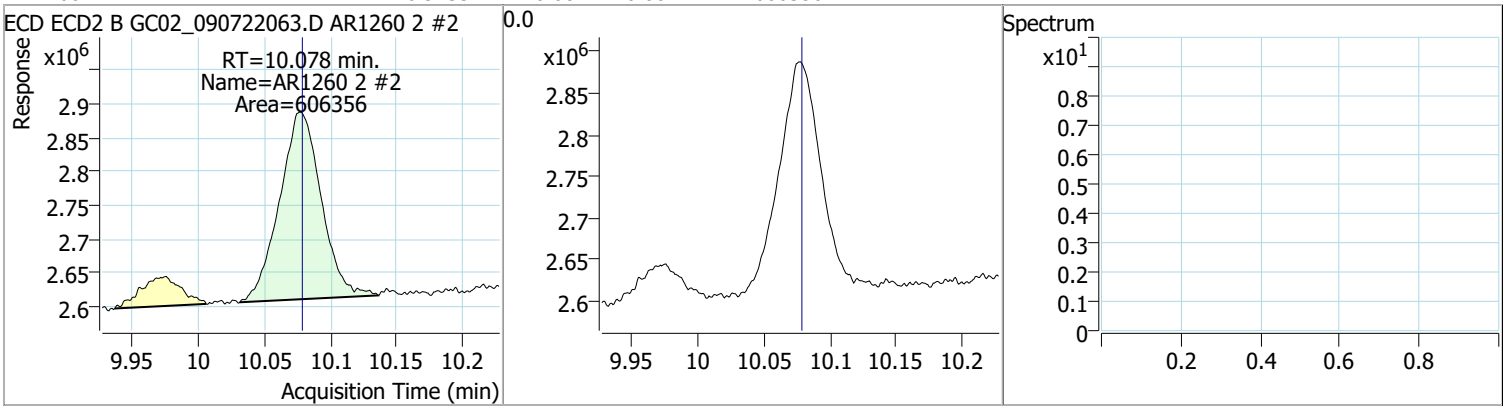
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	26.0923	9.72	0.00	520587 (m)				



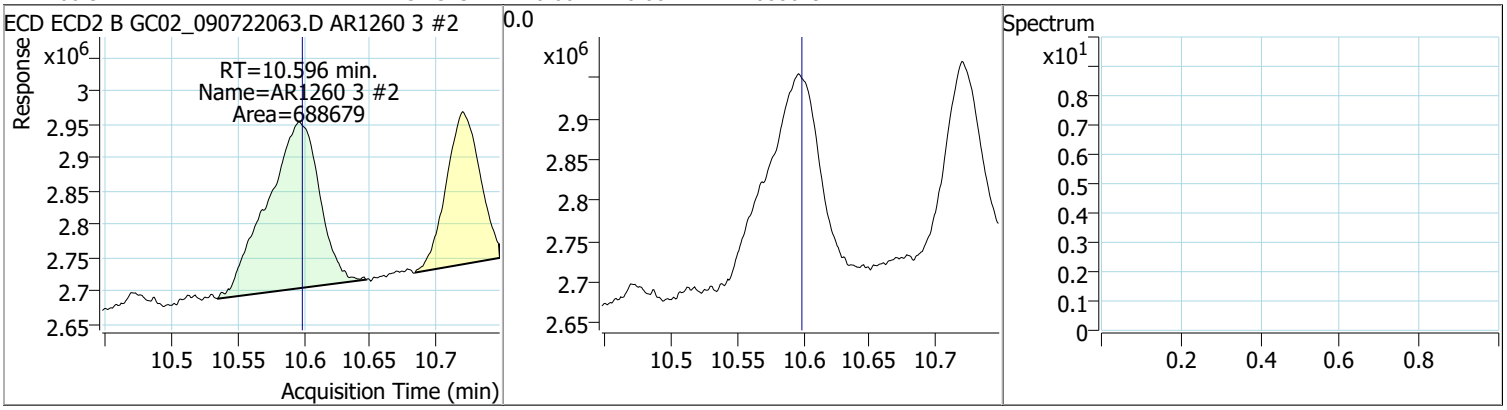
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	22.6110	10.03	0.00	6618092				



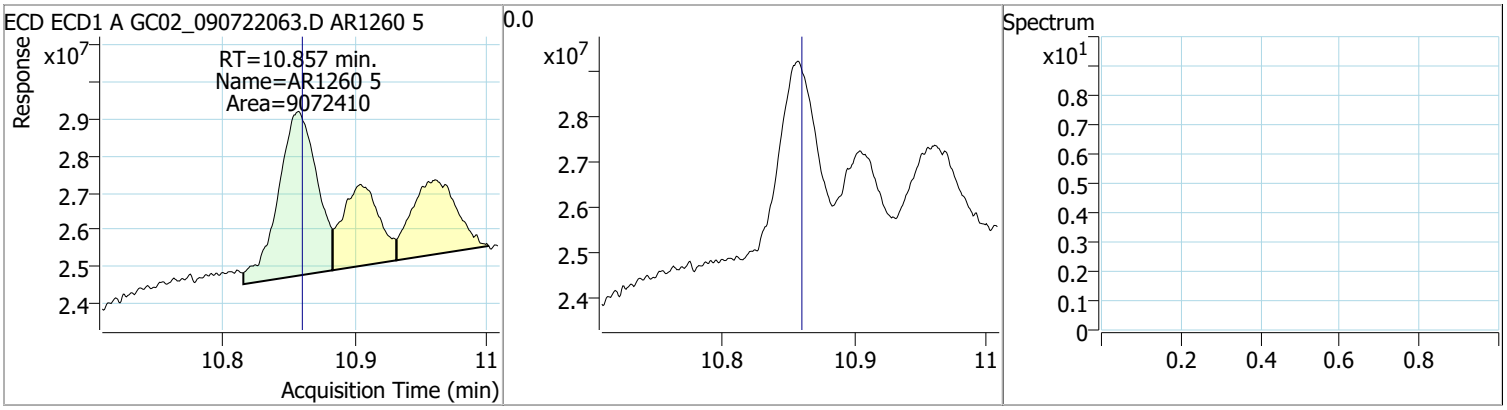
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	26.9733	10.08	0.00	606356				



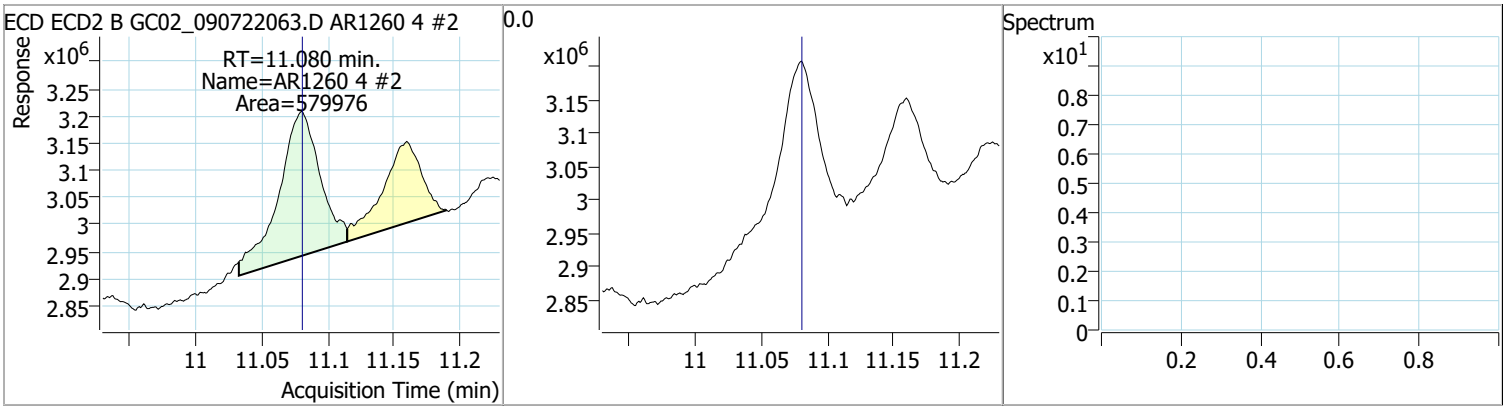
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	25.7573	10.60	0.00	688679				



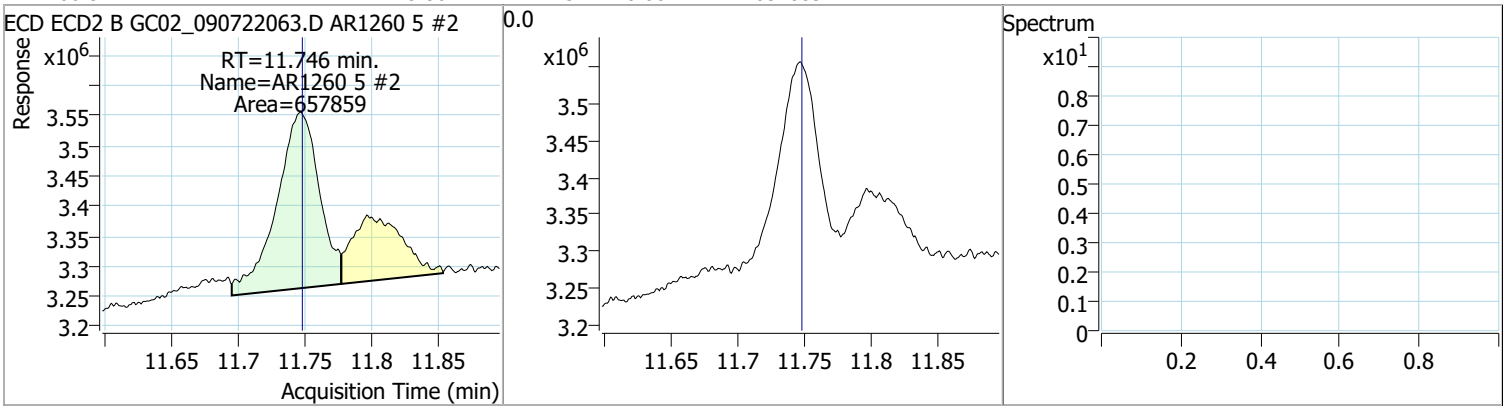
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.7038	10.86	0.00	9072410				



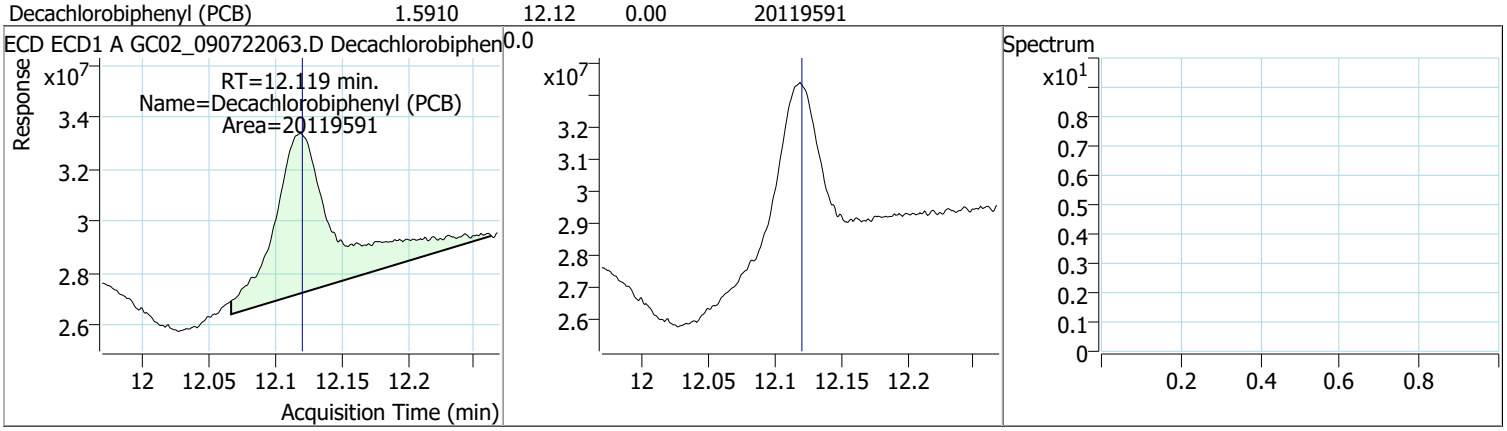
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	37.6598	11.08	0.00	579976				



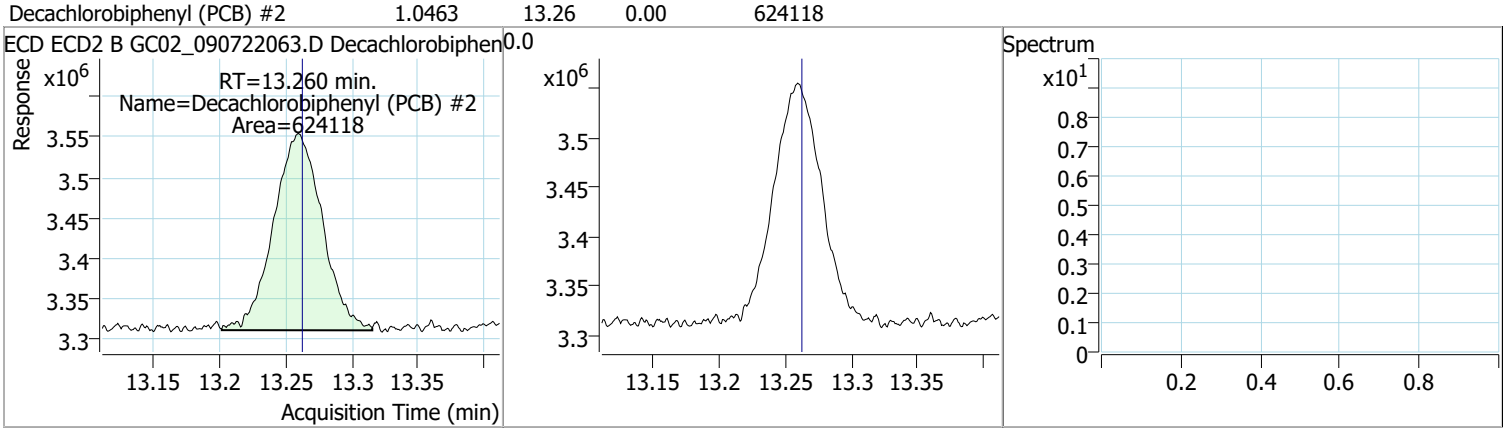
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	28.8674	11.75	0.00	657859				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.5910	12.12	0.00	20119591				

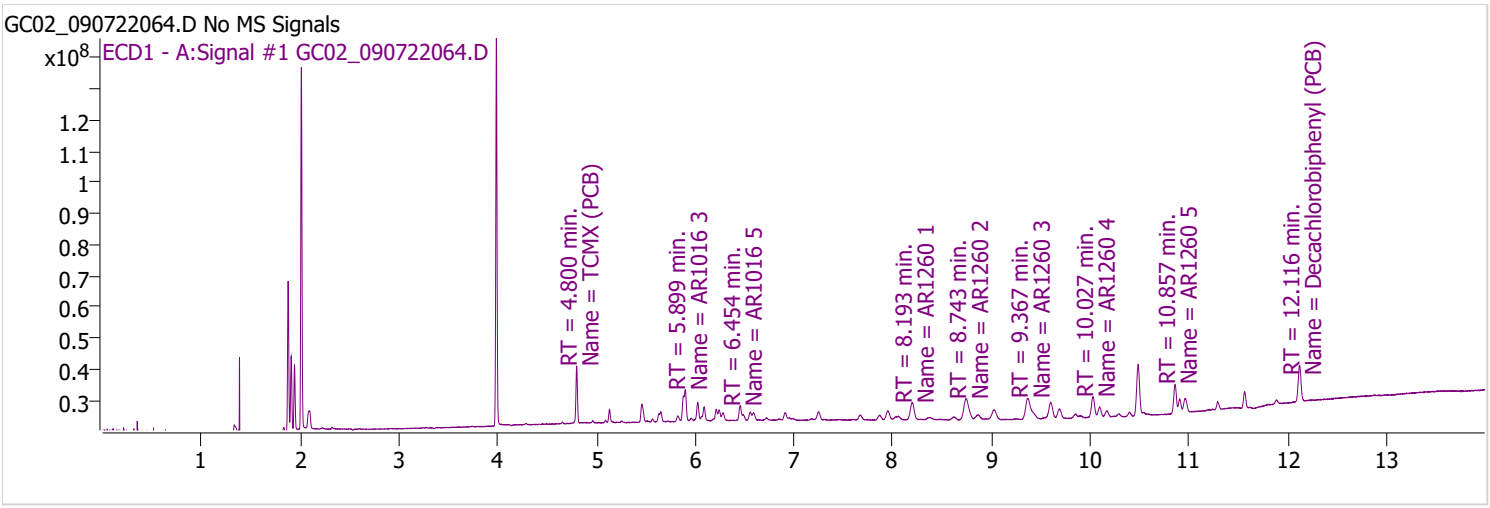


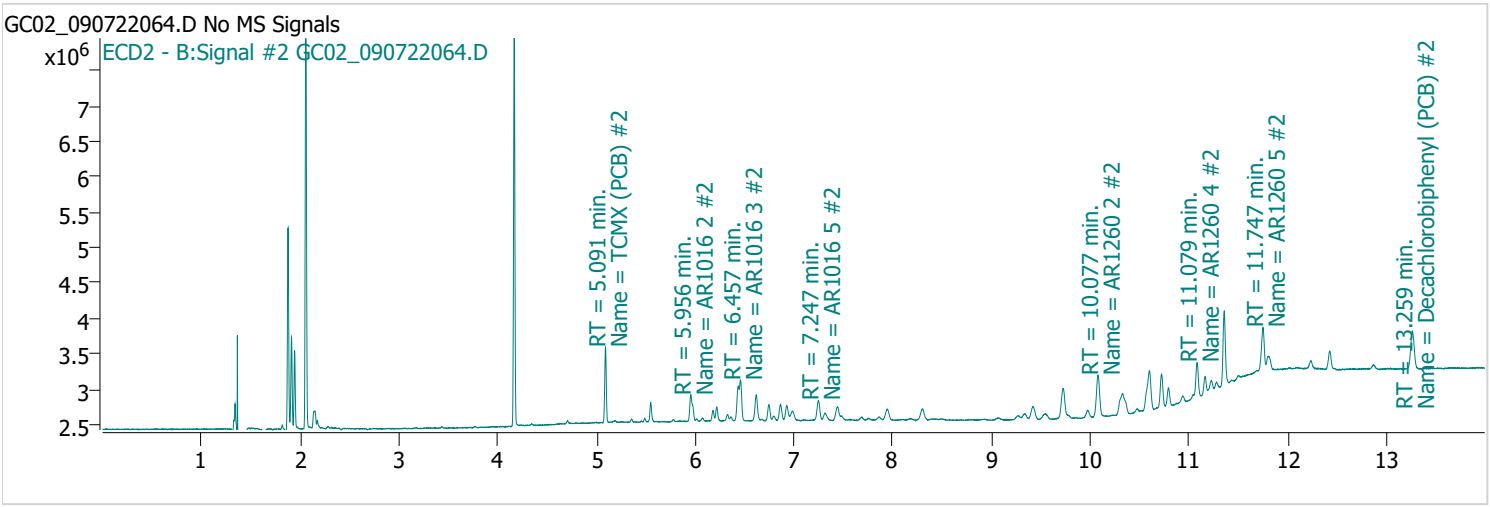
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.0463	13.26	0.00	624118				



Quantitation Results Report (Not Reviewed)

Data File	GC02_090722064.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/7/2022 10:03:58 PM
Sample Name	ICAL, S17264	Instrument	SVOA-GC02
Vial	42	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_1.m	Comment	50PPB PCB ICAL 2
Tune File	ATUNE.U	Tune Date	
Batch Name	090722PCBICAL.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



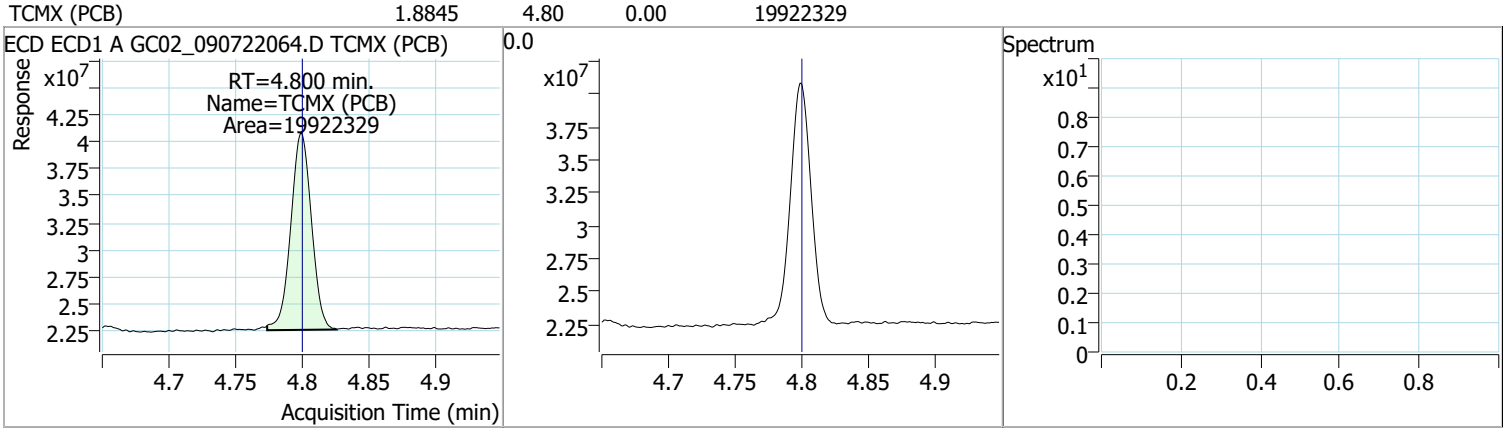


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	111745233.267	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.167	0.0	5182277.033	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.800	0.0	19922328.790	1.8845	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.42%		*	
S TCMX (PCB) #2	5.091	0.0	1179339.486	2.1910	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.95%		*	
S Decachlorobiphenyl (PCB)	12.116	0.0	23493095.253	1.7656	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.83%		*	
S Decachlorobiphenyl (PCB) #2	13.259	0.0	1343563.937	2.1650	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.83%		*	
Target Compounds							QValue

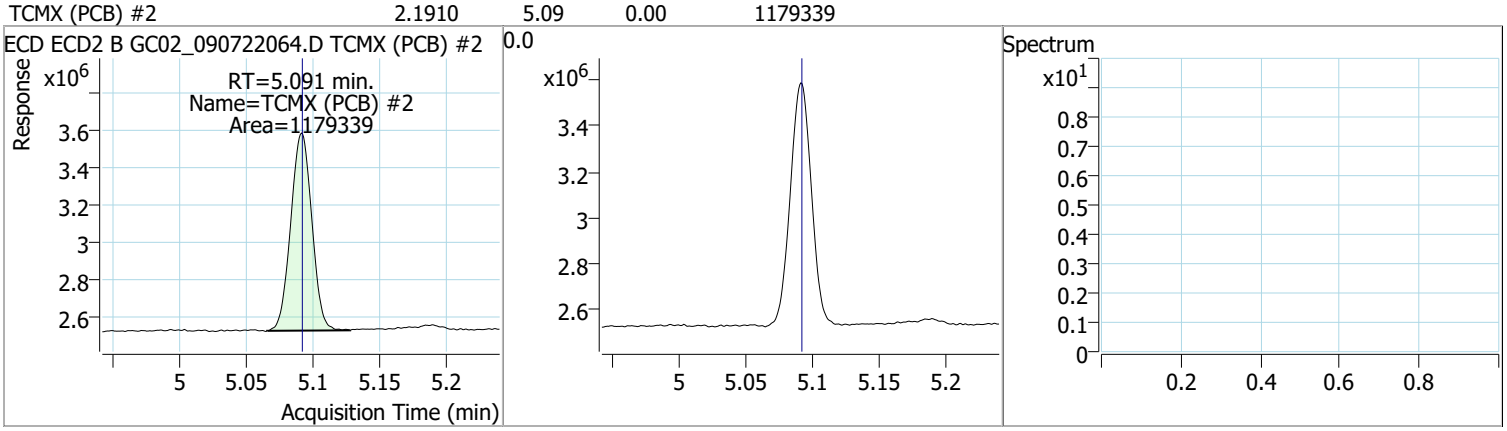
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.131	0.0	5346440.786	54.4004	ng/ml		100
T AR1016 2	5.461	0.0	10215750.521	53.8444	ng/ml		100
T AR1016 1 #2	5.549	0.0	360659.806	55.0782	ng/ml		100
T AR1016 3	5.899	0.0	14707273.380	51.4361	ng/ml	m	100
T AR1016 2 #2	5.956	0.0	776923.312	58.7643	ng/ml		100
T AR1016 4	6.025	0.0	8742132.064	51.9266	ng/ml		100
T AR1016 5	6.454	0.0	7746667.619	49.9600	ng/ml		100
T AR1016 3 #2	6.457	0.0	893386.854	55.7368	ng/ml		100
T AR1016 4 #2	6.616	0.0	673471.850	56.3402	ng/ml		100
T AR1016 5 #2	7.247	0.0	575766.096	56.5142	ng/ml		100
T AR1260 1	8.193	0.0	15303075.880	51.1122	ng/ml		100
T AR1260 2	8.743	0.0	22756441.327	49.7231	ng/ml		100
T AR1260 3	9.367	0.0	24934852.765	81.0573	ng/ml		100
T AR1260 1 #2	9.723	0.0	1169773.048	56.3587	ng/ml		100
T AR1260 4	10.027	0.0	14632625.914	47.5125	ng/ml		100
T AR1260 2 #2	10.077	0.0	1354829.279	57.9335	ng/ml		100
T AR1260 3 #2	10.597	0.0	1553789.212	55.8618	ng/ml		100
T AR1260 5	10.857	0.0	18052014.847	44.8250	ng/ml		100
T AR1260 4 #2	11.079	0.0	951120.032	59.3667	ng/ml	m	100
T AR1260 5 #2	11.747	0.0	1323589.211	55.8301	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

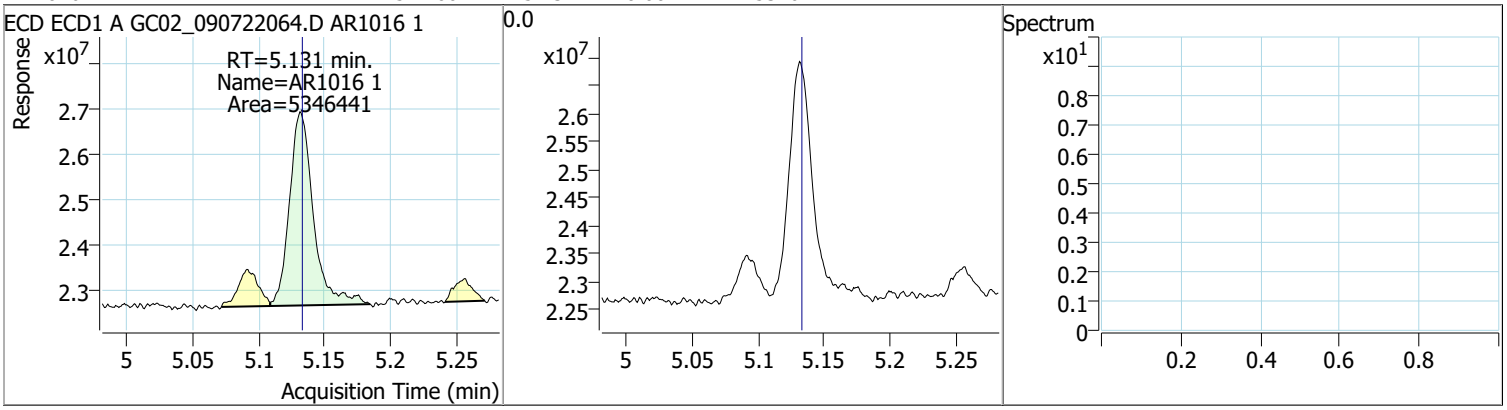
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8845	4.80	0.00	19922329				



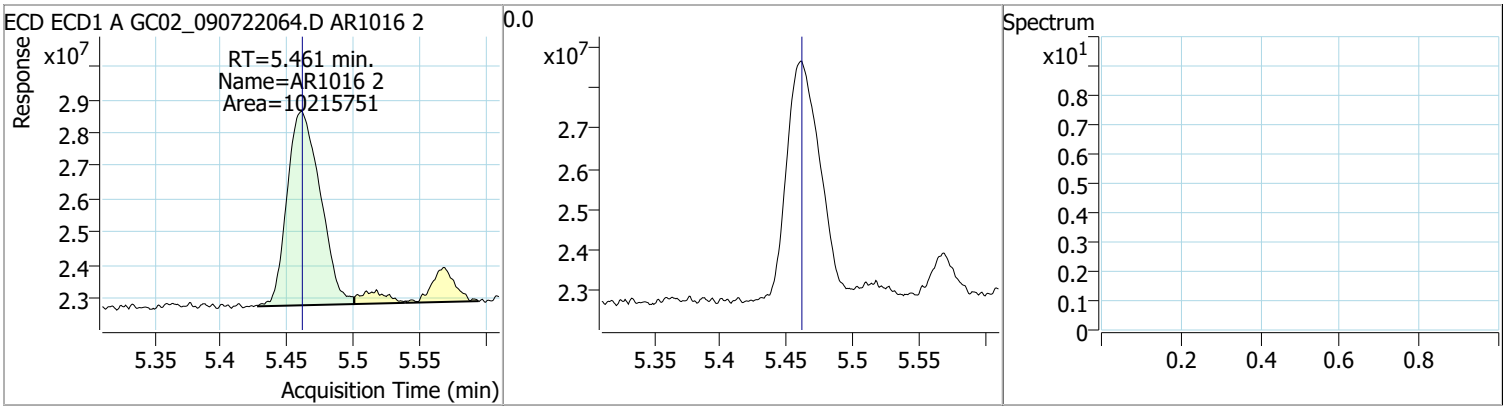
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.1910	5.09	0.00	1179339				



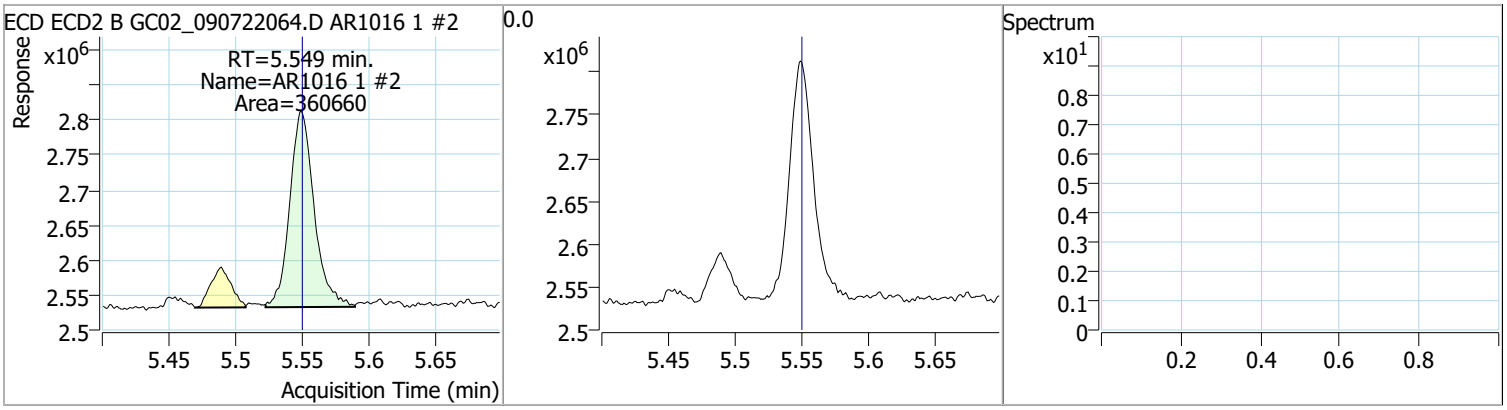
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	54.4004	5.13	0.00	5346441				



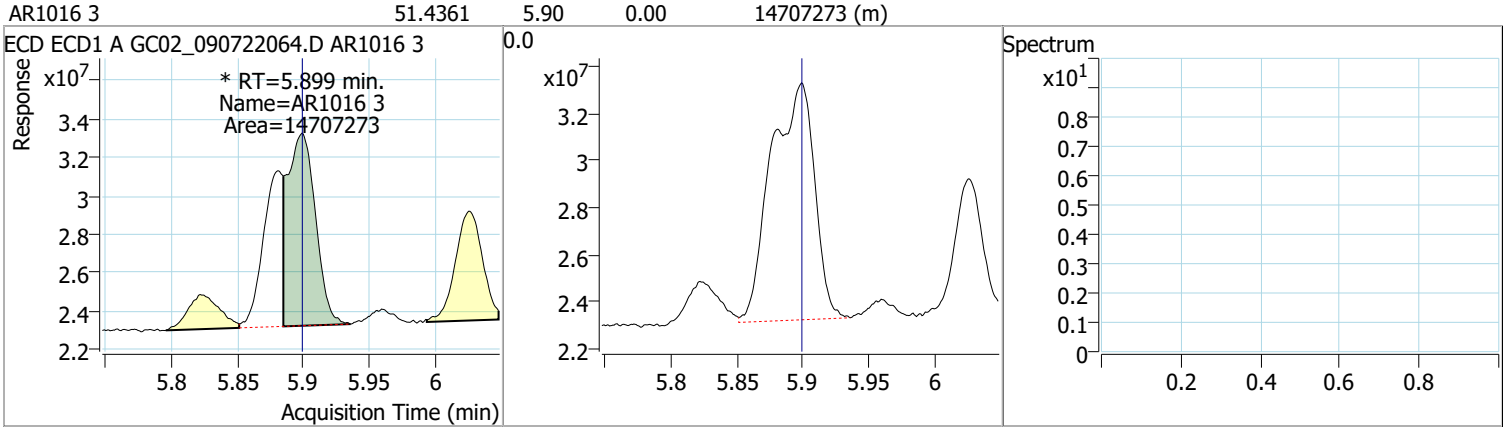
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	53.8444	5.46	0.00	10215751				



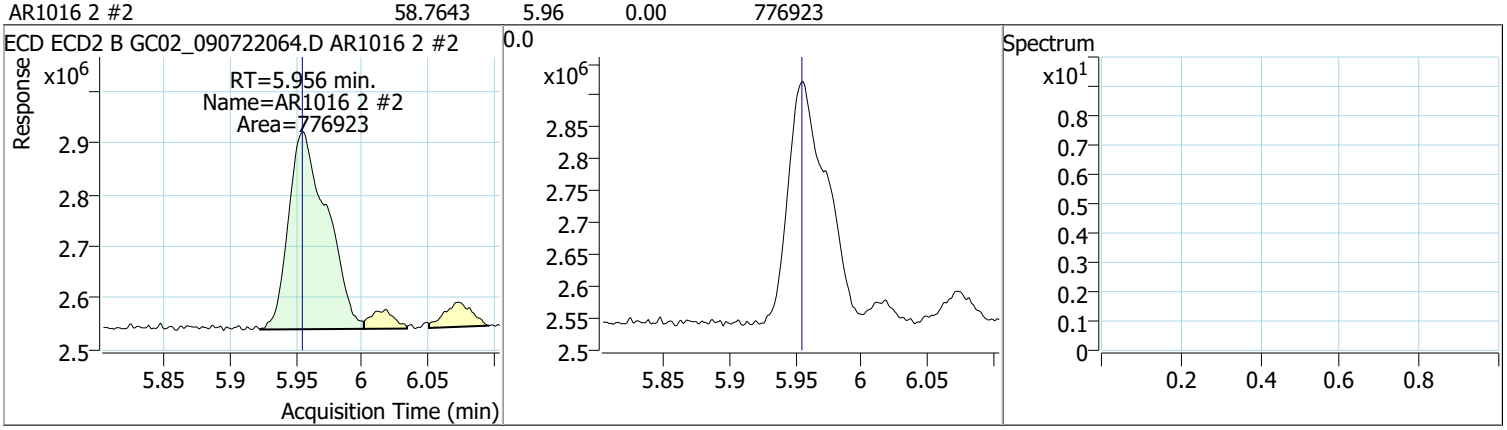
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	55.0782	5.55	0.00	360660				



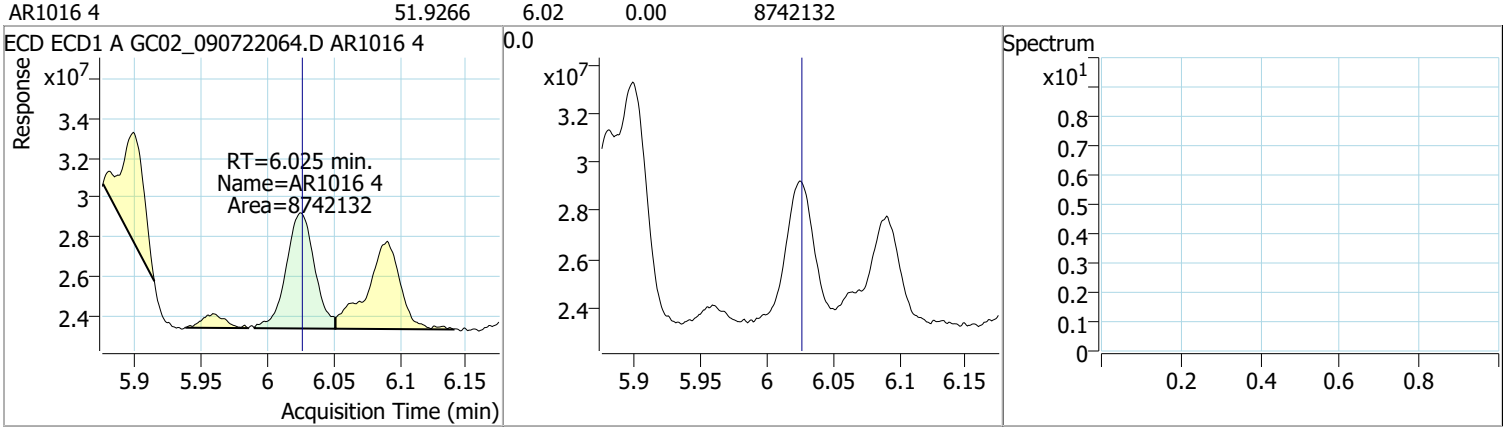
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	51.4361	5.90	0.00	14707273 (m)				



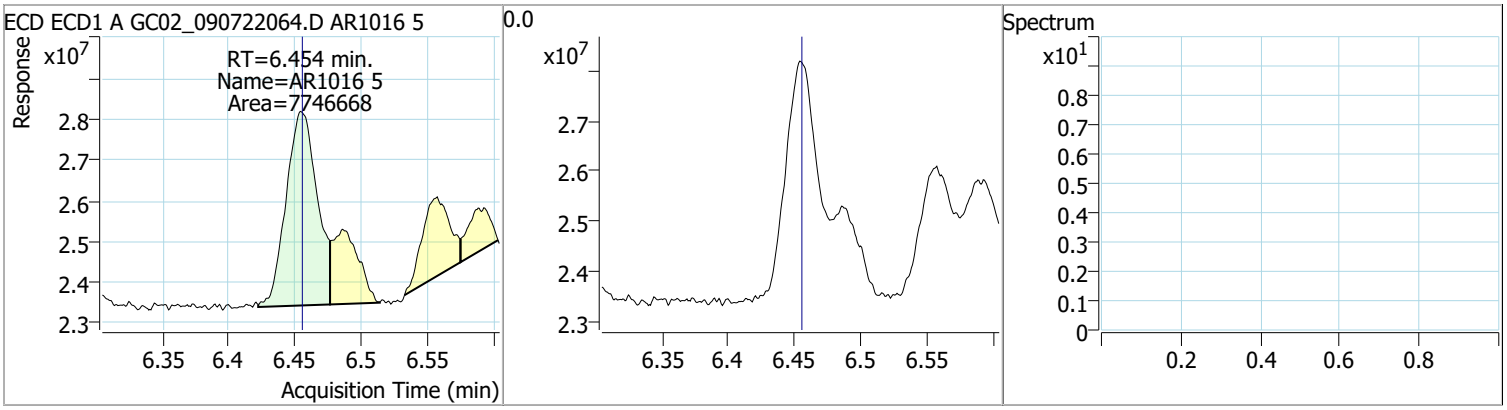
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	58.7643	5.96	0.00	776923				



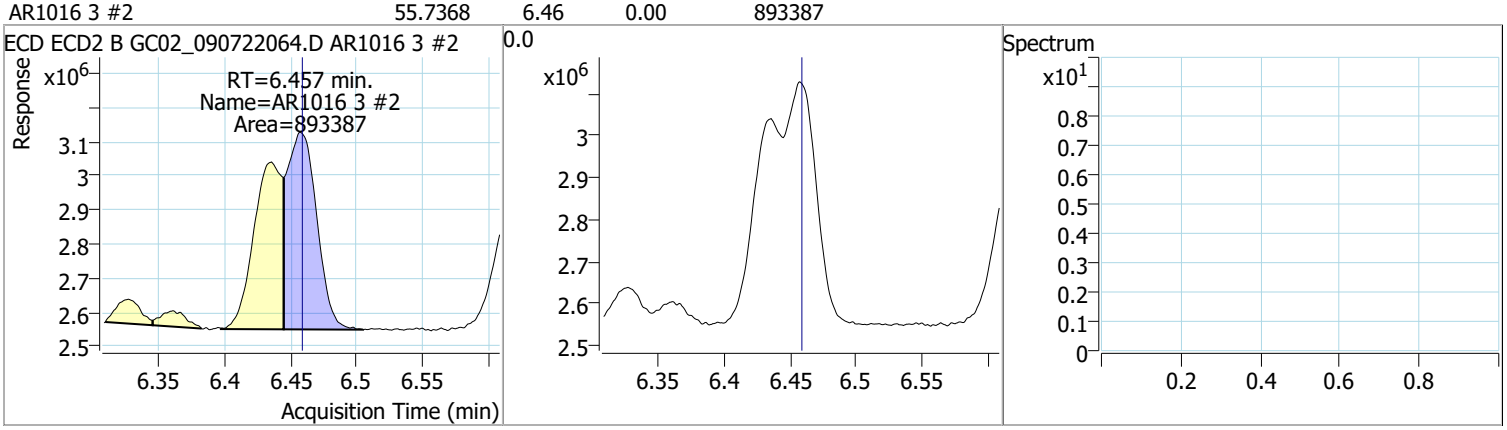
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	51.9266	6.02	0.00	8742132				



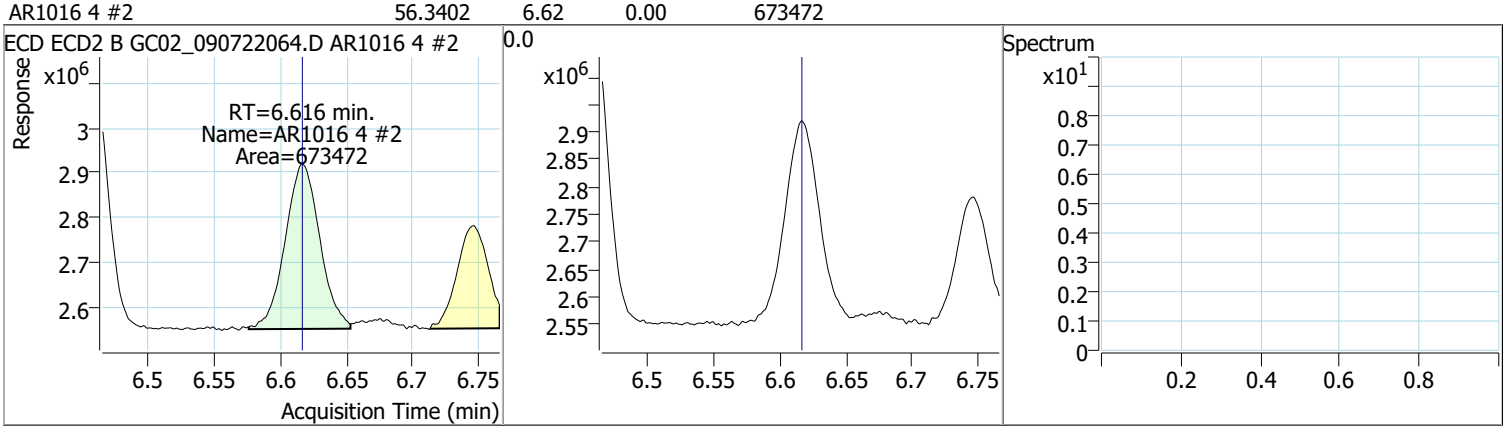
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	49.9600	6.45	0.00	7746668				



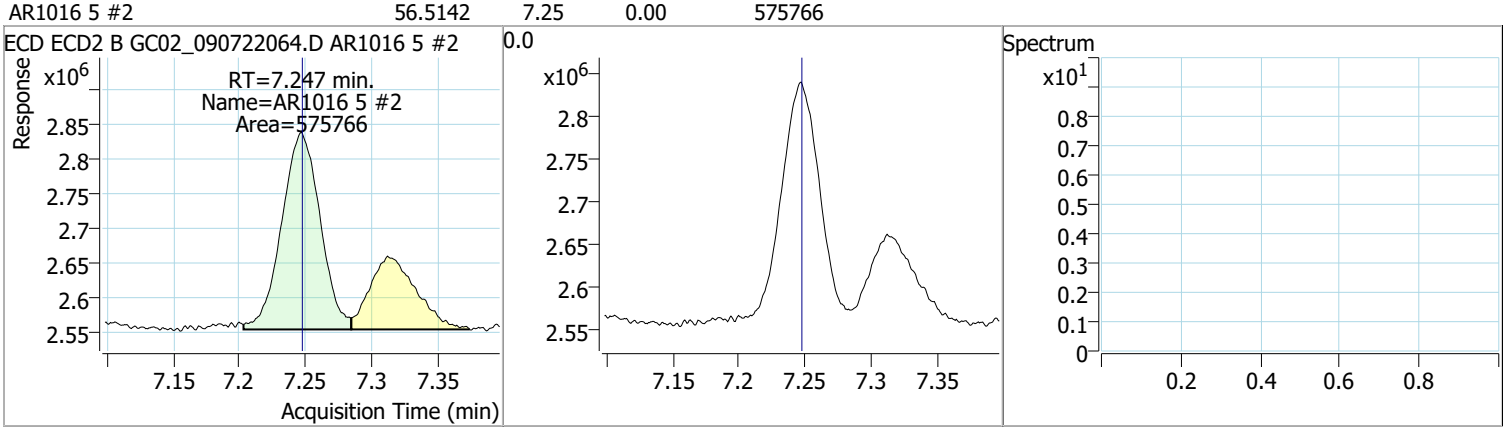
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	55.7368	6.46	0.00	893387				



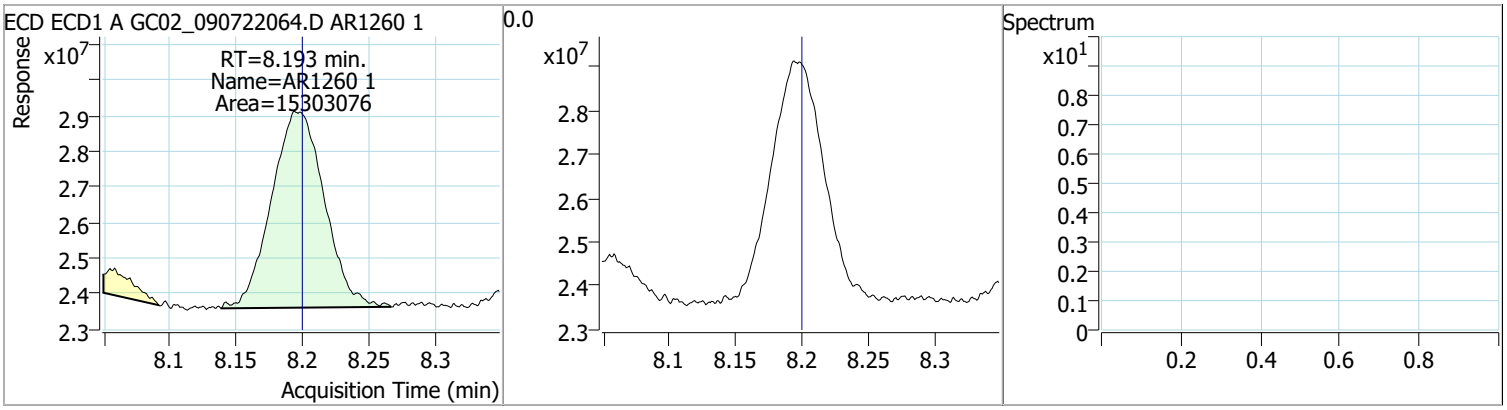
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	56.3402	6.62	0.00	673472				



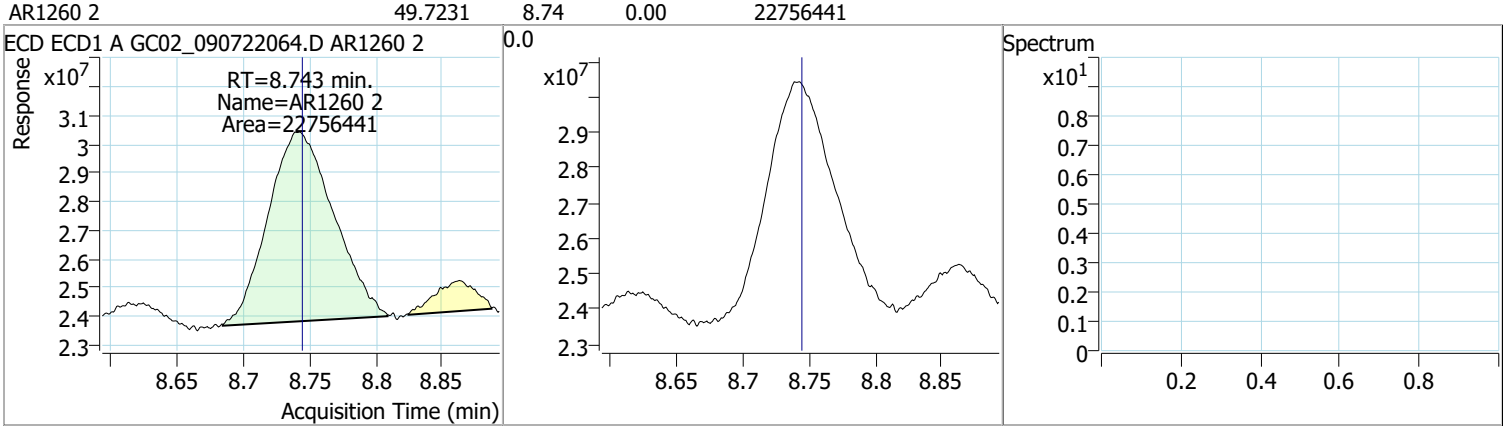
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	56.5142	7.25	0.00	575766				



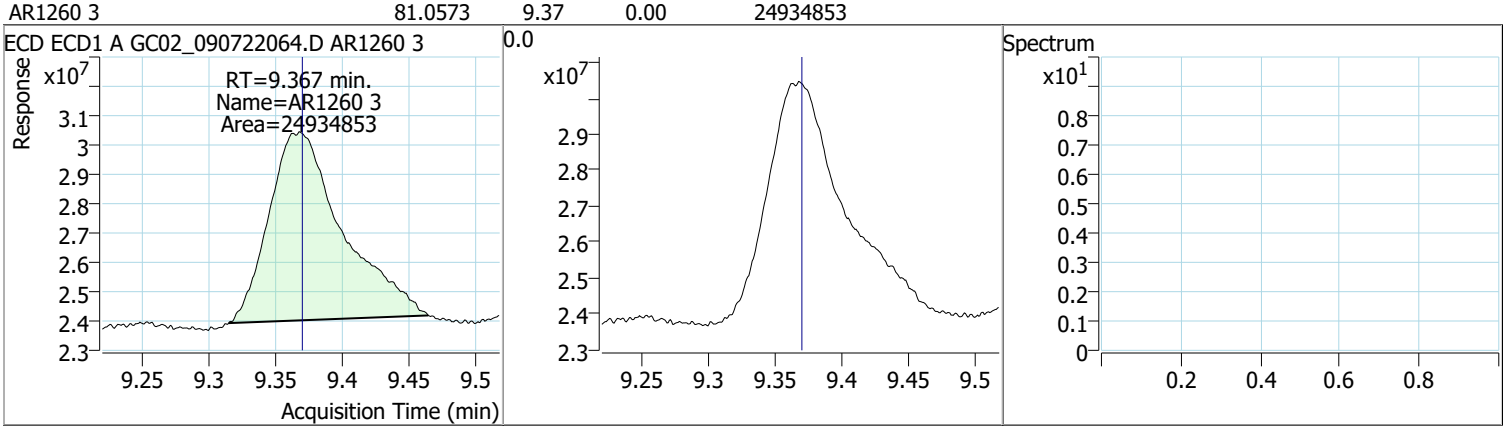
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	51.1122	8.19	0.00	15303076				



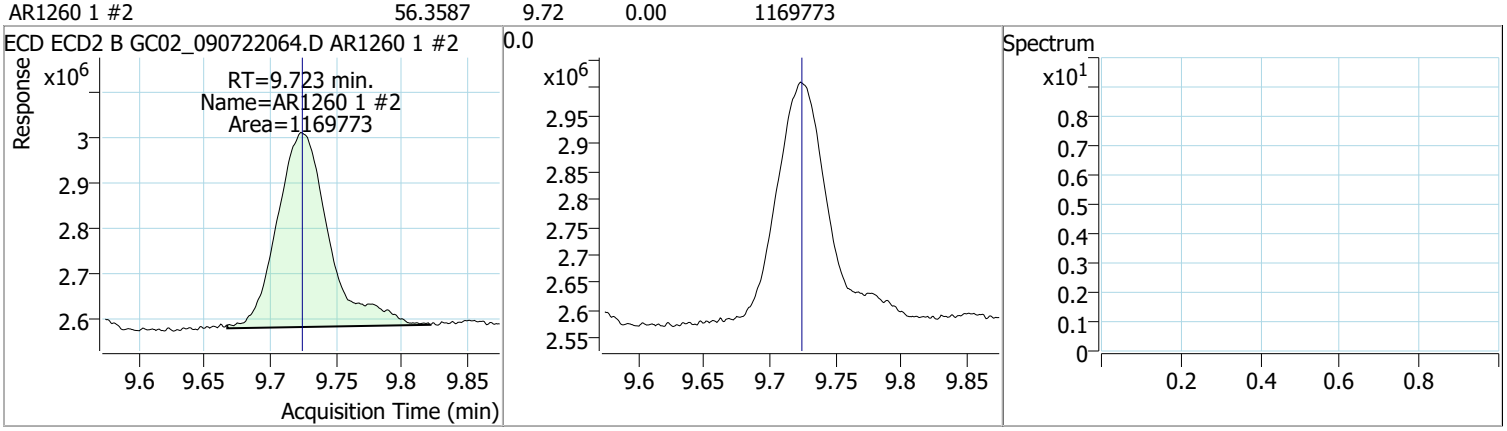
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	49.7231	8.74	0.00	22756441				



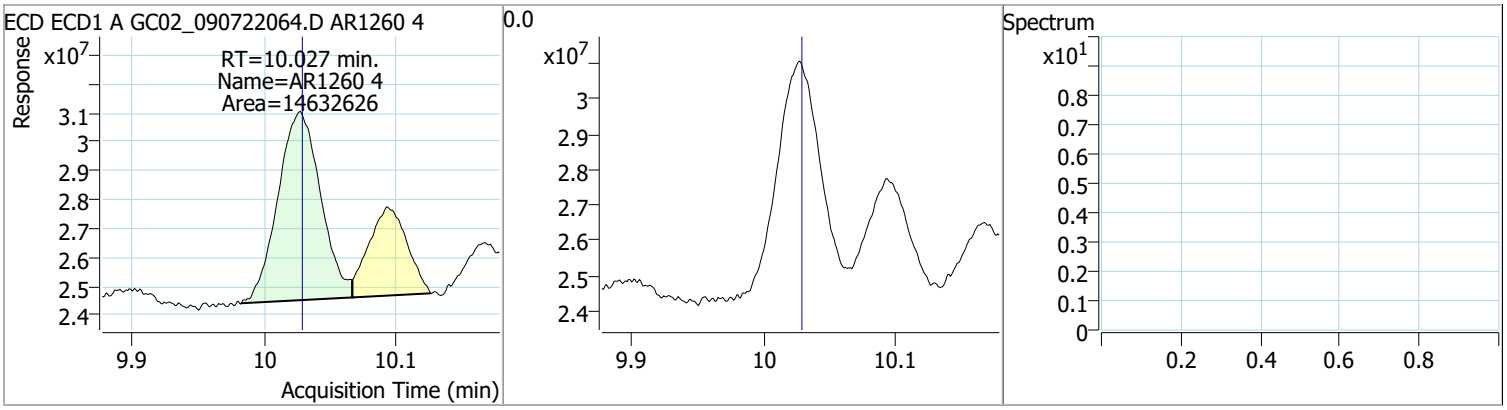
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	81.0573	9.37	0.00	24934853				



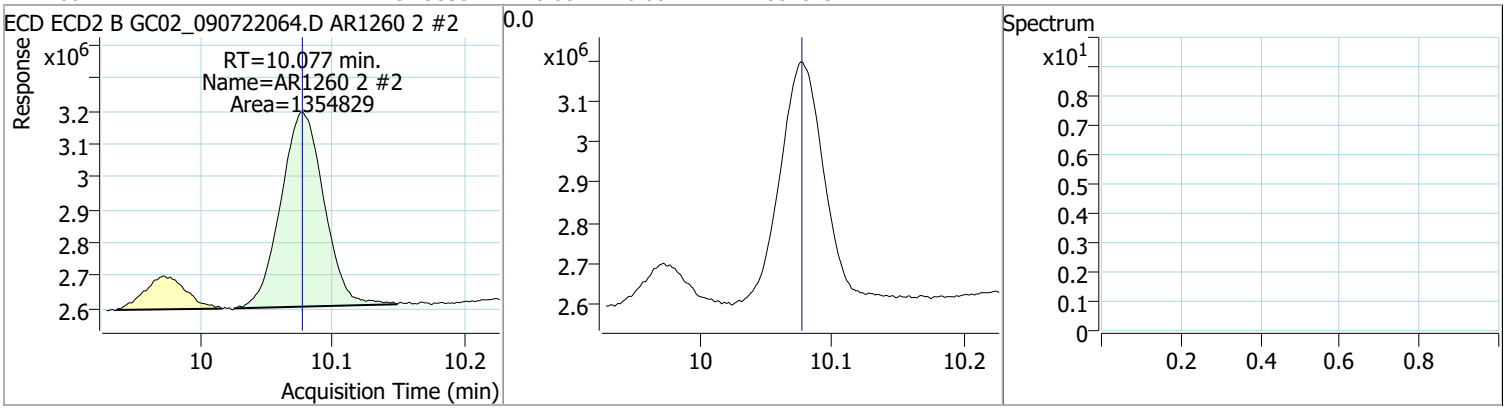
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	56.3587	9.72	0.00	1169773				



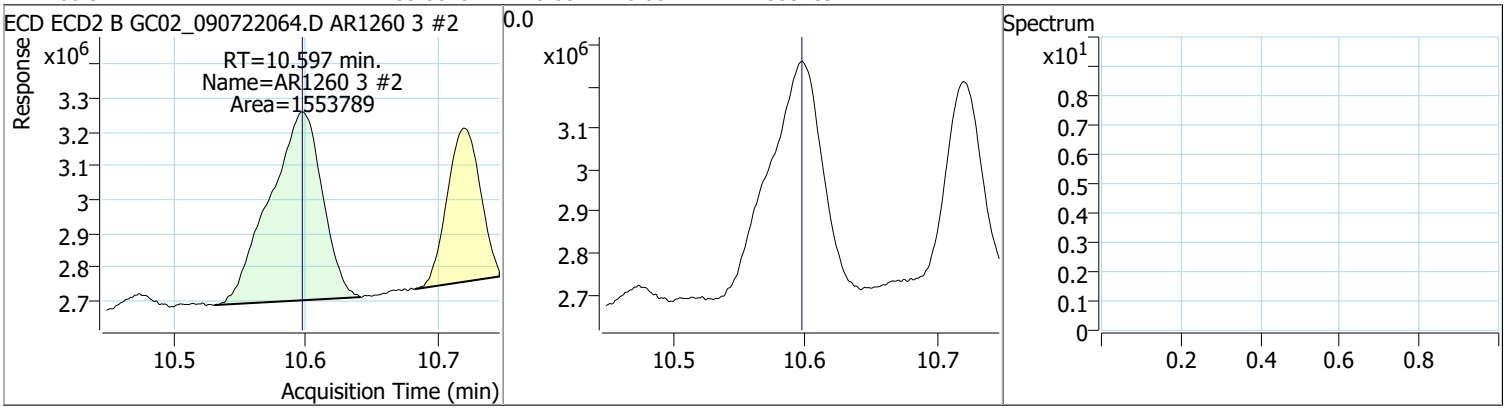
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	47.5125	10.03	0.00	14632626				



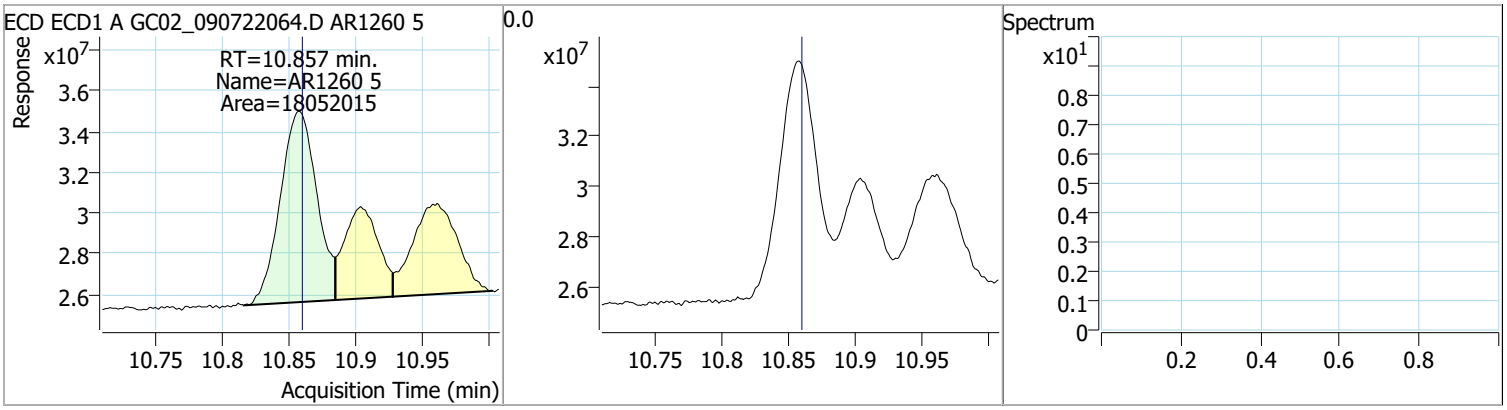
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	57.9335	10.08	0.00	1354829				



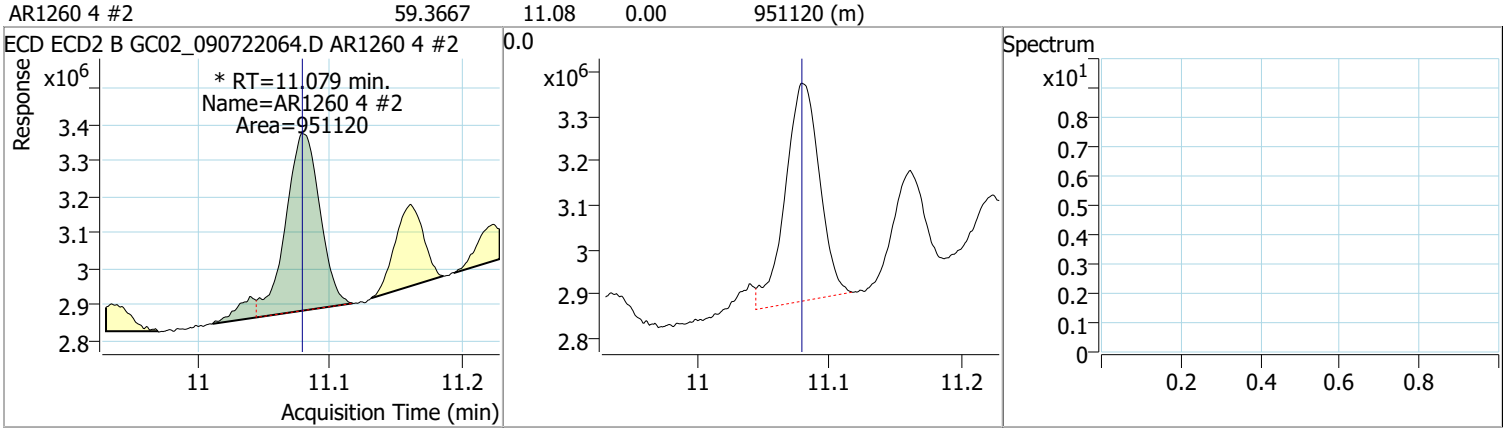
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	55.8618	10.60	0.00	1553789				



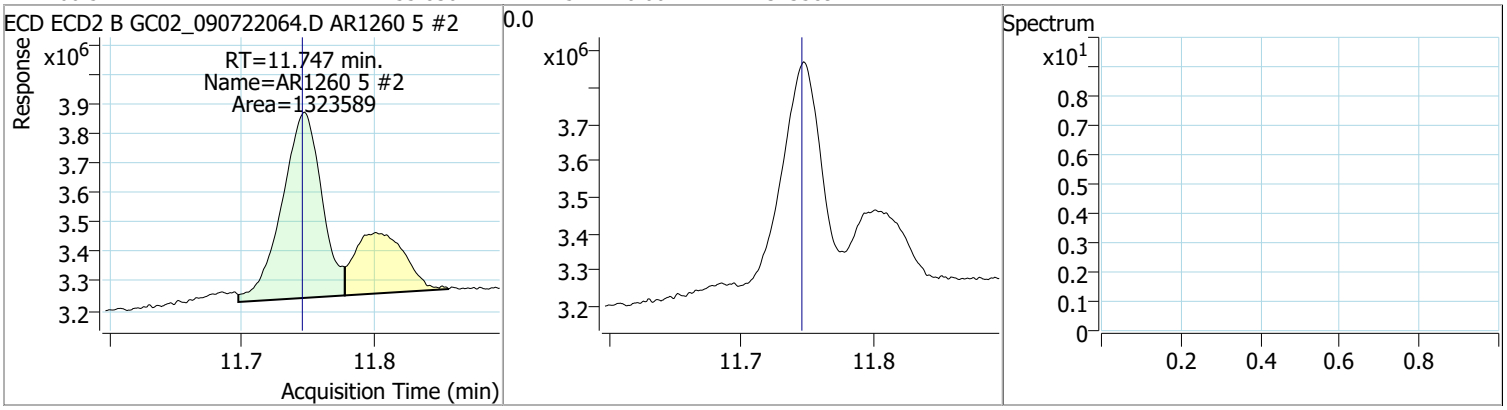
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	44.8250	10.86	0.00	18052015				



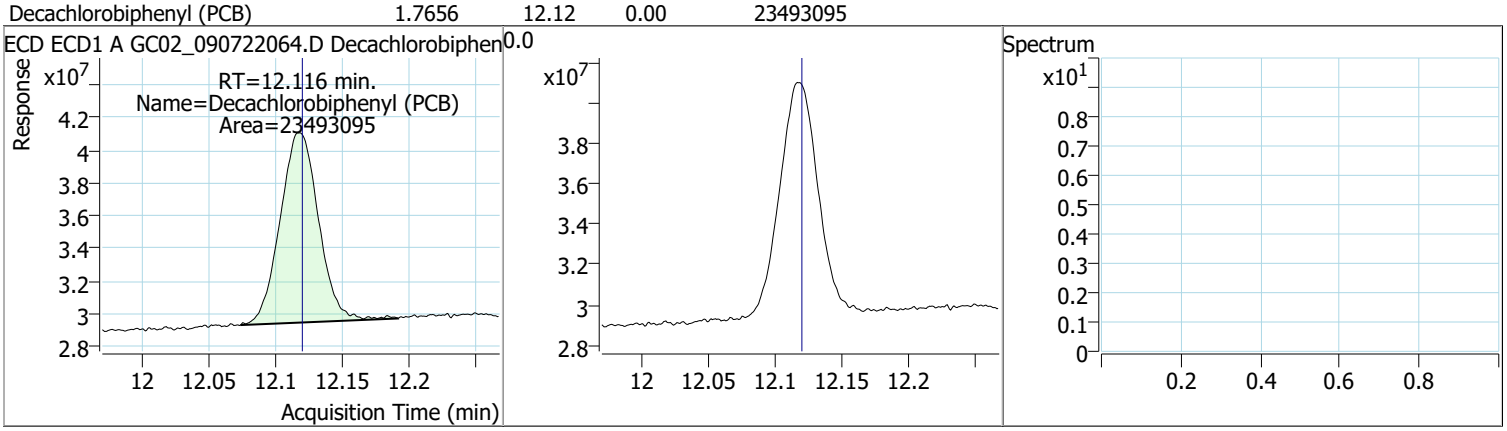
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	59.3667	11.08	0.00	951120 (m)				



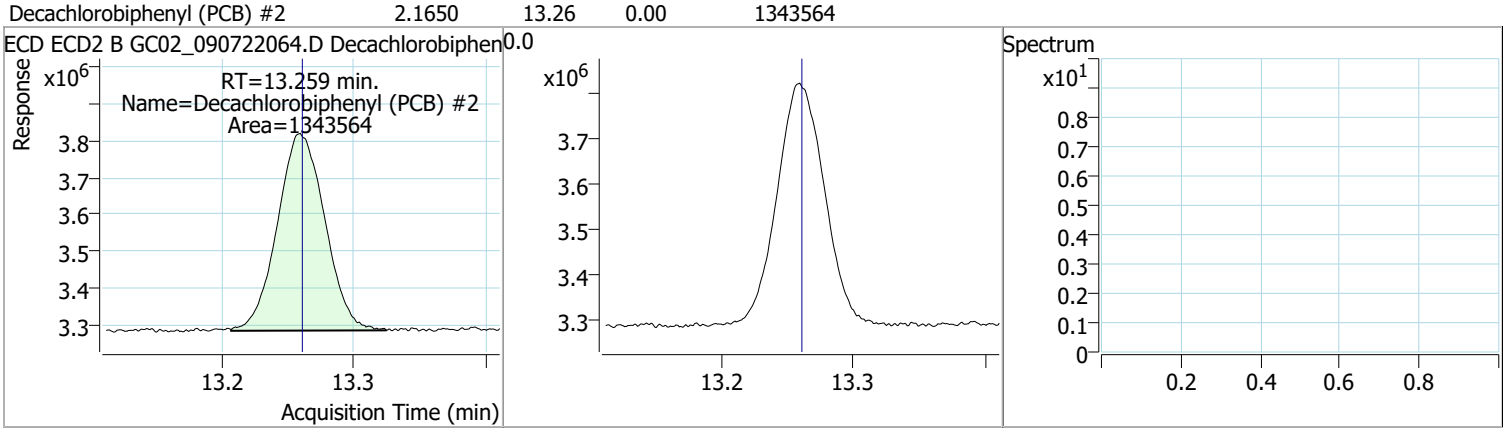
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	55.8301	11.75	0.00	1323589				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.7656	12.12	0.00	23493095				

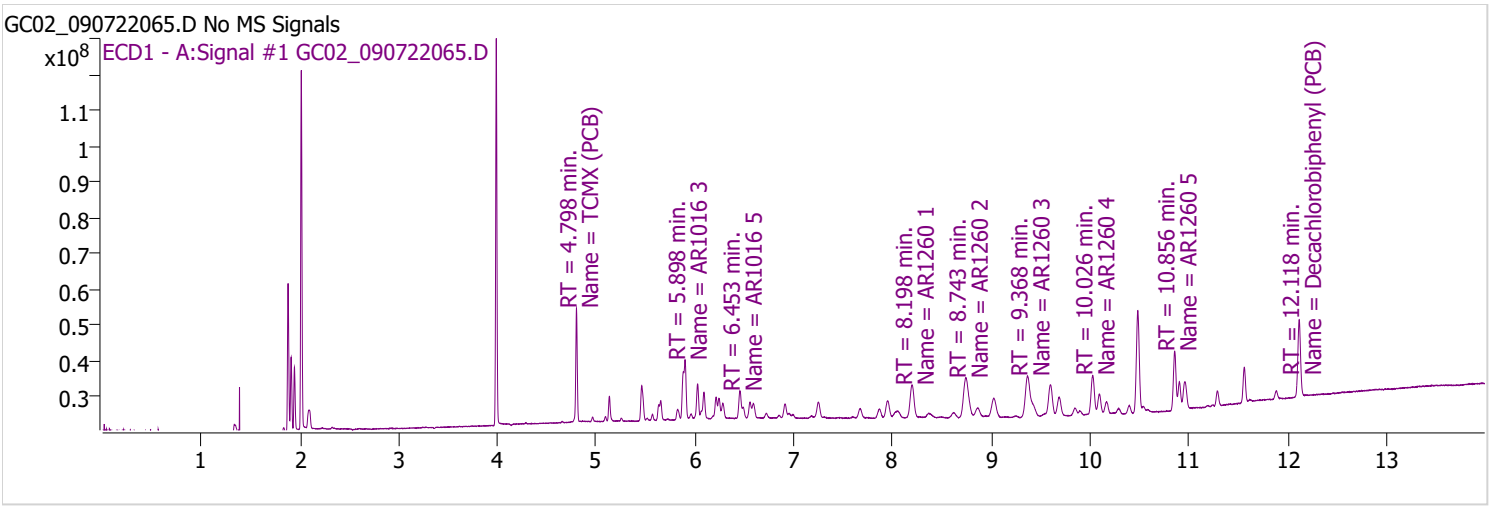


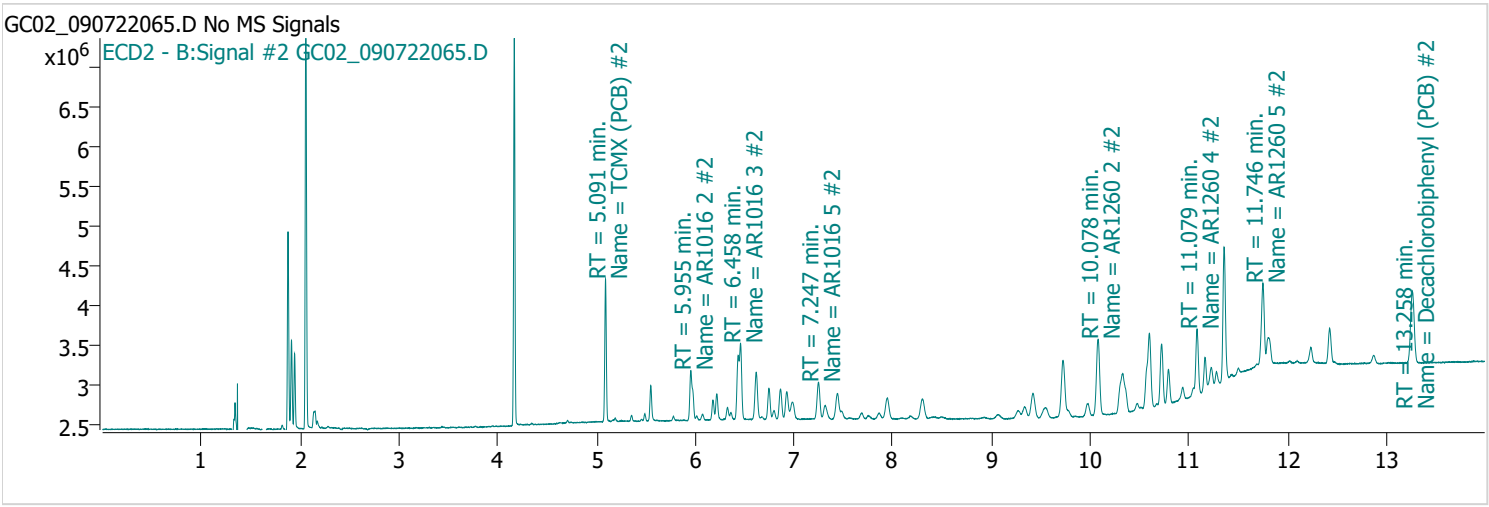
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.1650	13.26	0.00	1343564				



Quantitation Results Report (Not Reviewed)

Data File	GC02_090722065.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/7/2022 10:21:43 PM
Sample Name	ICAL, S17265	Instrument	SVOA-GC02
Vial	43	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_1.m	Comment	100PPB PCB ICAL 3
Tune File	ATUNE.U	Tune Date	
Batch Name	090722PCBICAL.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



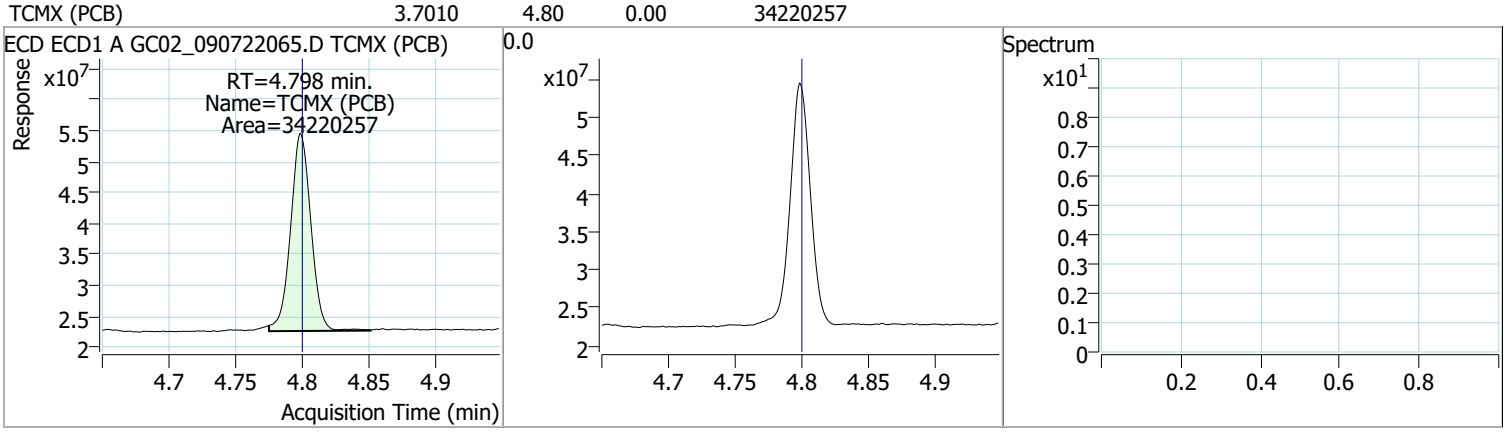


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	97734793.978	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.168	0.0	4605080.233	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.798	0.0	34220256.668	3.7010	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 18.51%		*	
S TCMX (PCB) #2	5.091	0.0	1979480.985	4.1384	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.69%		*	
S Decachlorobiphenyl (PCB)	12.118	0.0	42599635.180	3.6605	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 18.30%		*	
S Decachlorobiphenyl (PCB) #2	13.258	0.0	2391738.373	4.3372	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.69%		*	
Target Compounds							QValue

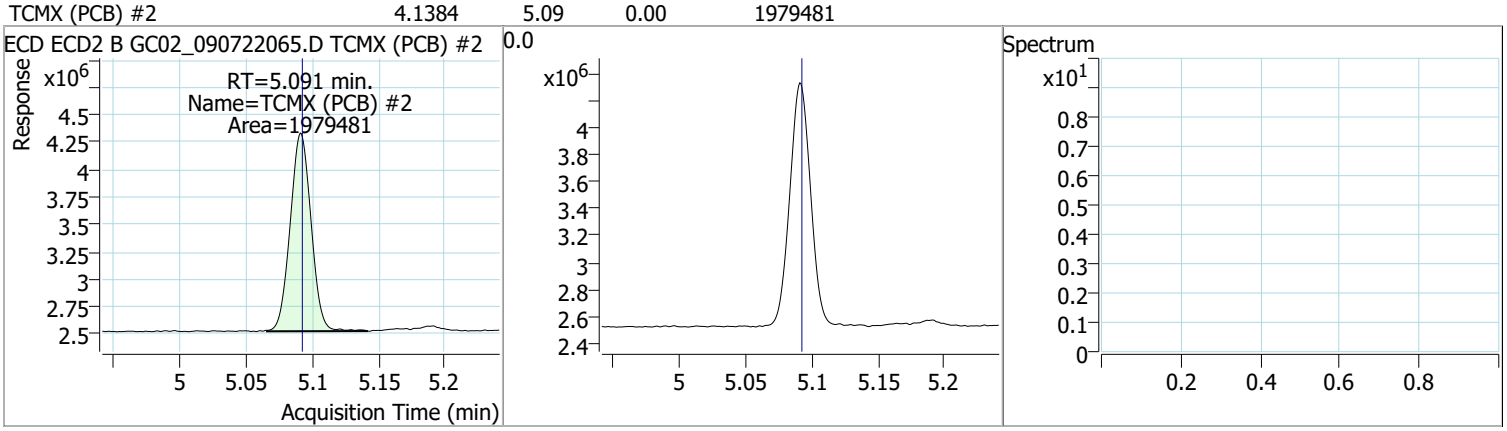
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.132	0.0	9065956.385	105.4704	ng/ml		100
T AR1016 2	5.460	0.0	16955884.414	102.1811	ng/ml		100
T AR1016 1 #2	5.549	0.0	598605.590	102.8741	ng/ml		100
T AR1016 3	5.898	0.0	23388013.841	93.5210	ng/ml	m	100
T AR1016 2 #2	5.955	0.0	1292386.616	110.0046	ng/ml		100
T AR1016 4	6.026	0.0	14218903.926	96.5648	ng/ml		100
T AR1016 5	6.453	0.0	13518142.037	99.6791	ng/ml		100
T AR1016 3 #2	6.458	0.0	1529230.409	107.3640	ng/ml	m	100
T AR1016 4 #2	6.616	0.0	1128009.047	106.1928	ng/ml		100
T AR1016 5 #2	7.247	0.0	968233.520	106.9485	ng/ml		100
T AR1260 1	8.198	0.0	25956366.323	99.1219	ng/ml		100
T AR1260 2	8.743	0.0	38379397.174	95.8809	ng/ml		100
T AR1260 3	9.368	0.0	41873862.427	121.7859	ng/ml		100
T AR1260 1 #2	9.723	0.0	2001160.941	108.4987	ng/ml		100
T AR1260 4	10.026	0.0	24810370.790	92.1083	ng/ml		100
T AR1260 2 #2	10.078	0.0	2222477.964	106.9464	ng/ml		100
T AR1260 3 #2	10.597	0.0	2620757.074	106.0310	ng/ml		100
T AR1260 5	10.856	0.0	31206287.026	88.5964	ng/ml		100
T AR1260 4 #2	11.079	0.0	1430988.657	100.5142	ng/ml	m	100
T AR1260 5 #2	11.746	0.0	2216907.696	105.2315	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

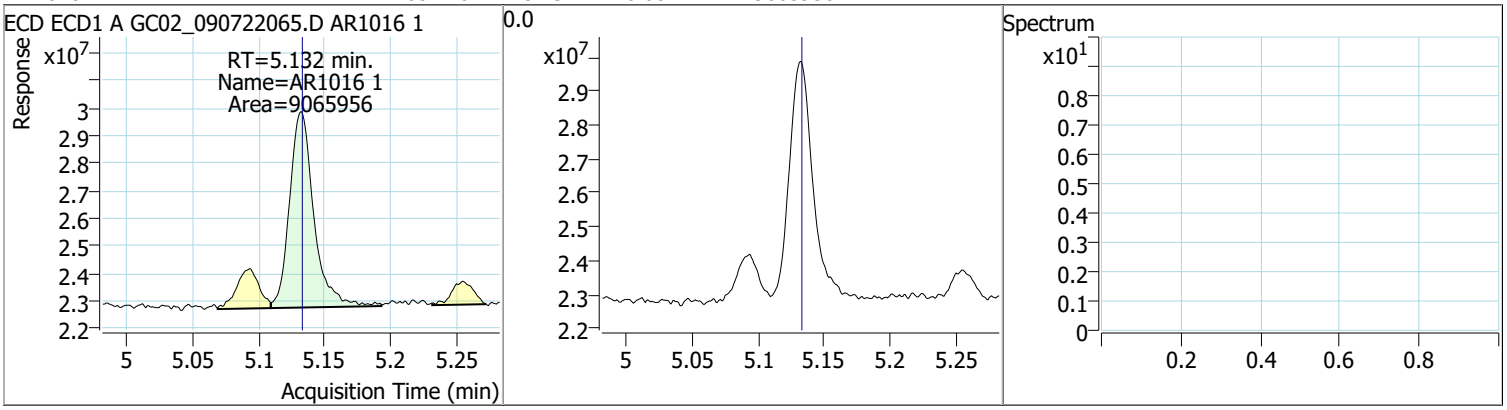
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	3.7010	4.80	0.00	34220257				



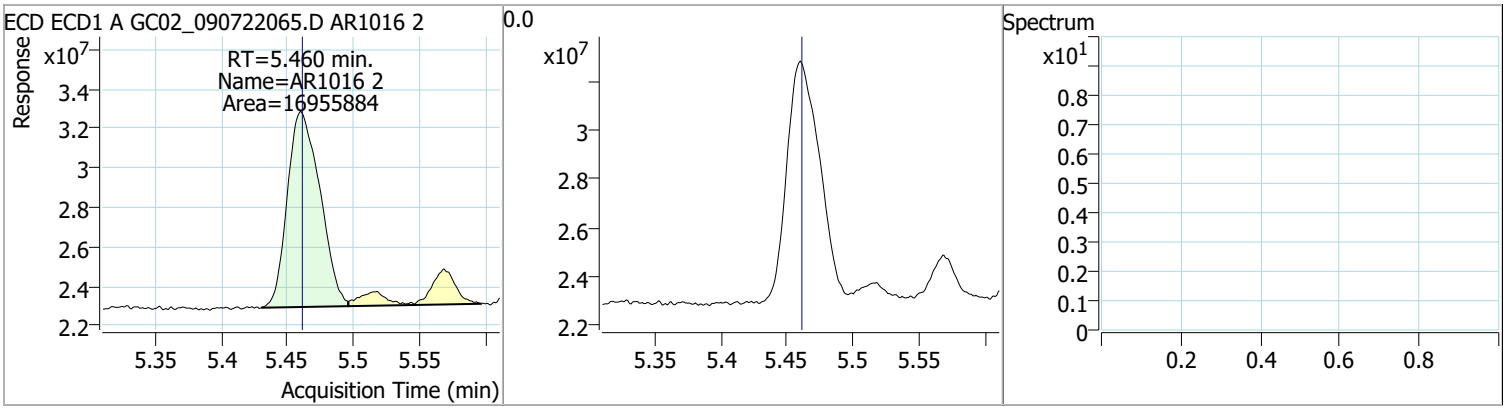
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.1384	5.09	0.00	1979481				



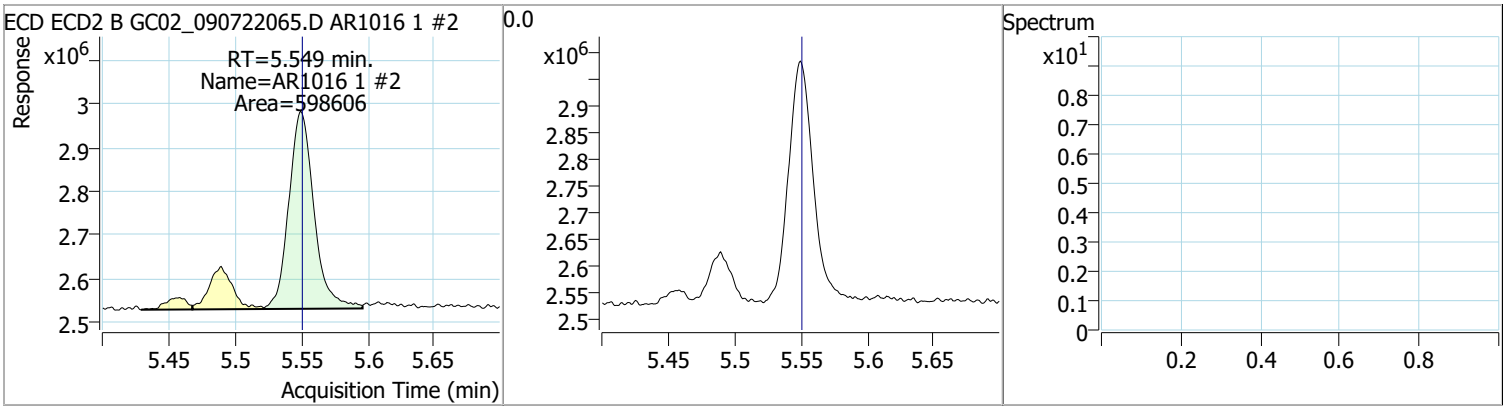
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	105.4704	5.13	0.00	9065956				



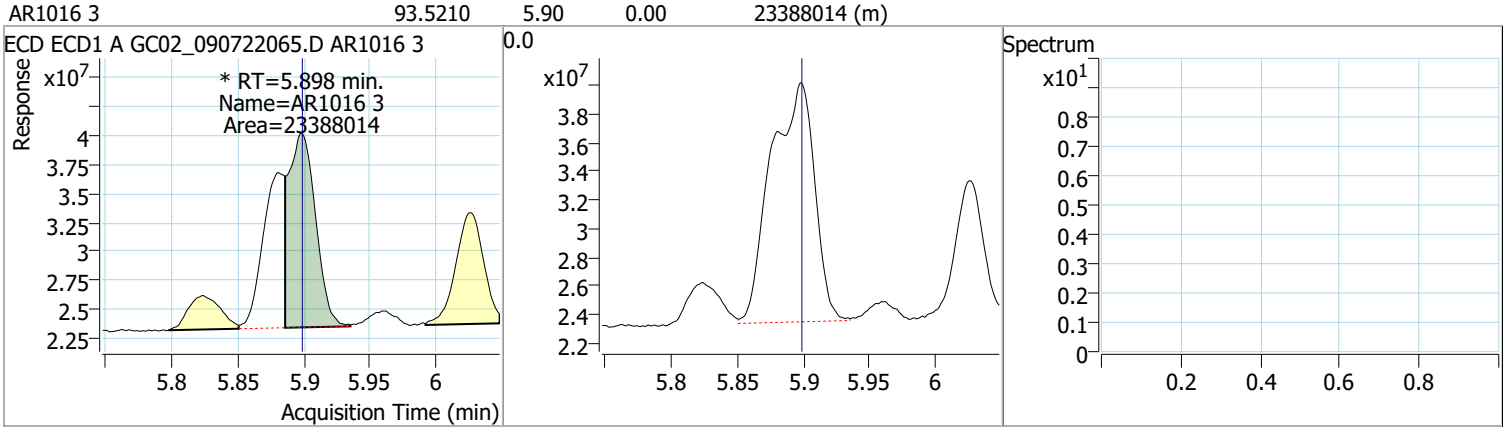
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	102.1811	5.46	0.00	16955884				



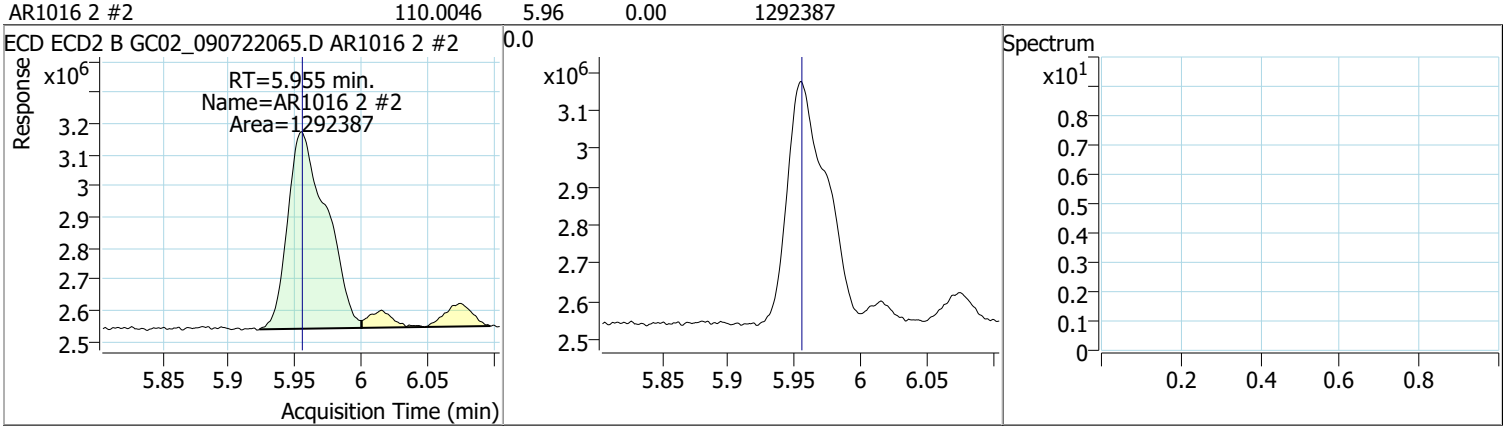
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AR1016 1 #2	102.8741	5.55	0.00	598606				



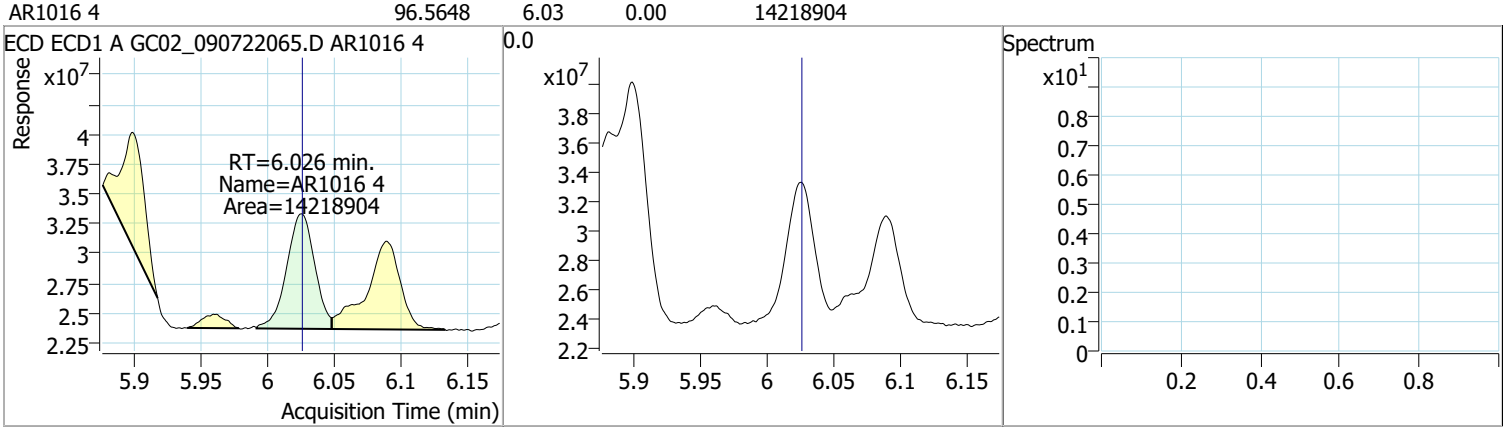
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	93.5210	5.90	0.00	23388014 (m)				



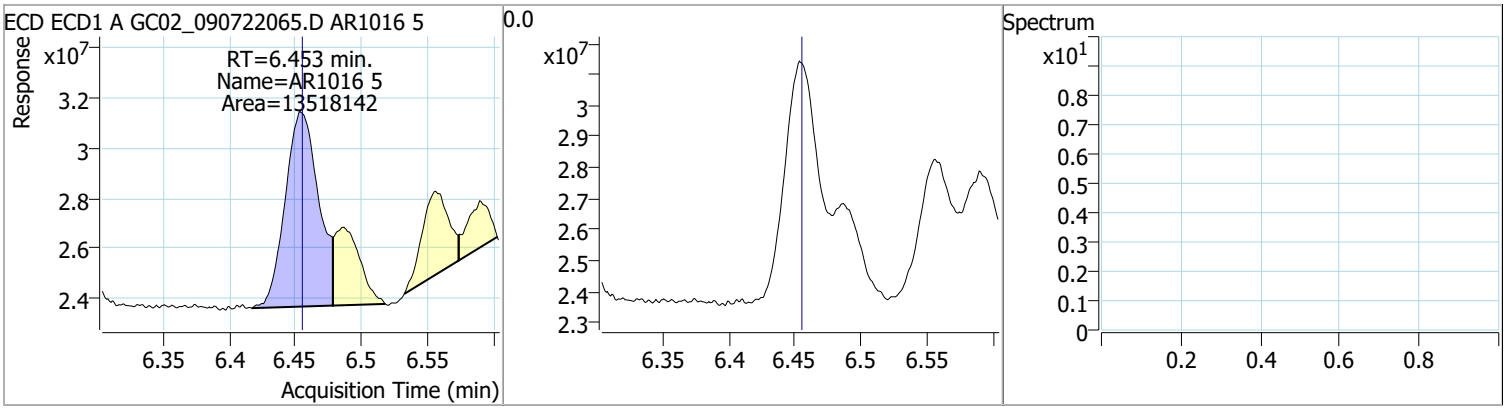
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	110.0046	5.96	0.00	1292387				



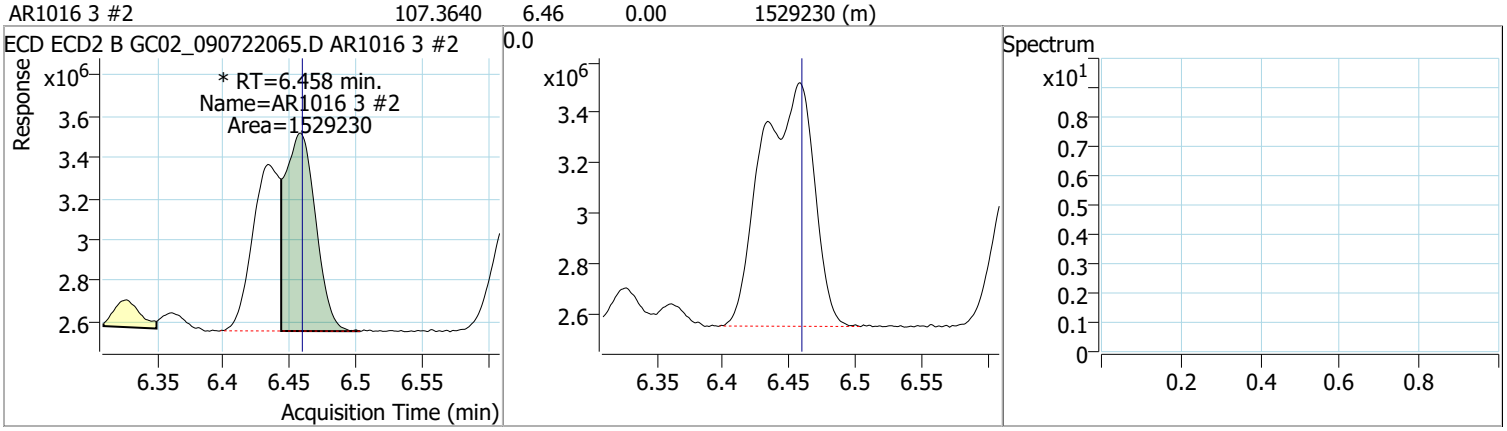
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	96.5648	6.03	0.00	14218904				



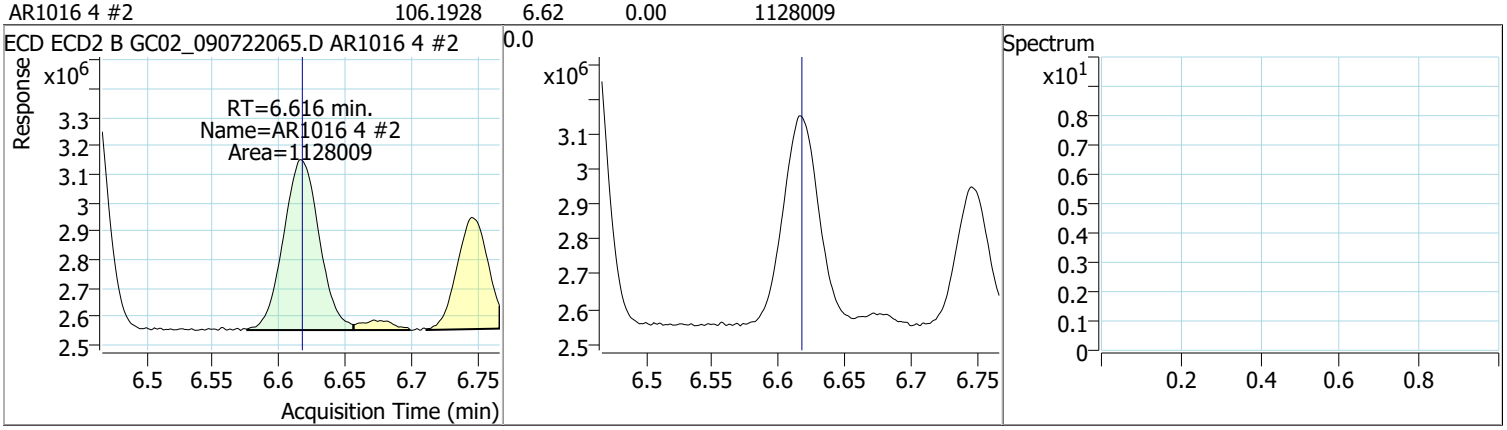
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	99.6791	6.45	0.00	13518142				



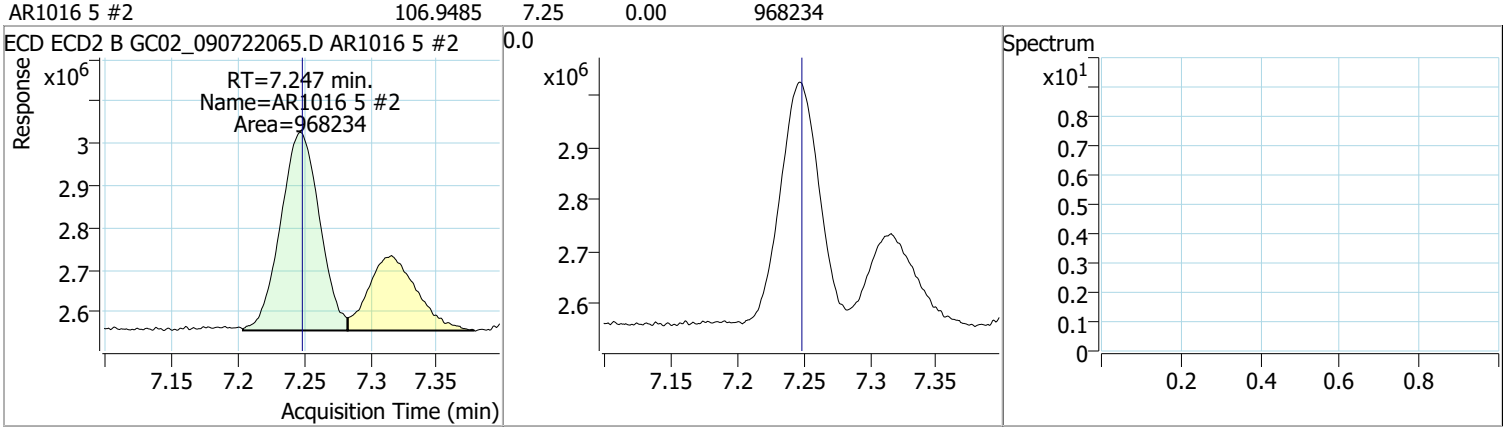
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AR1016 3 #2	107.3640	6.46	0.00	1529230 (m)				



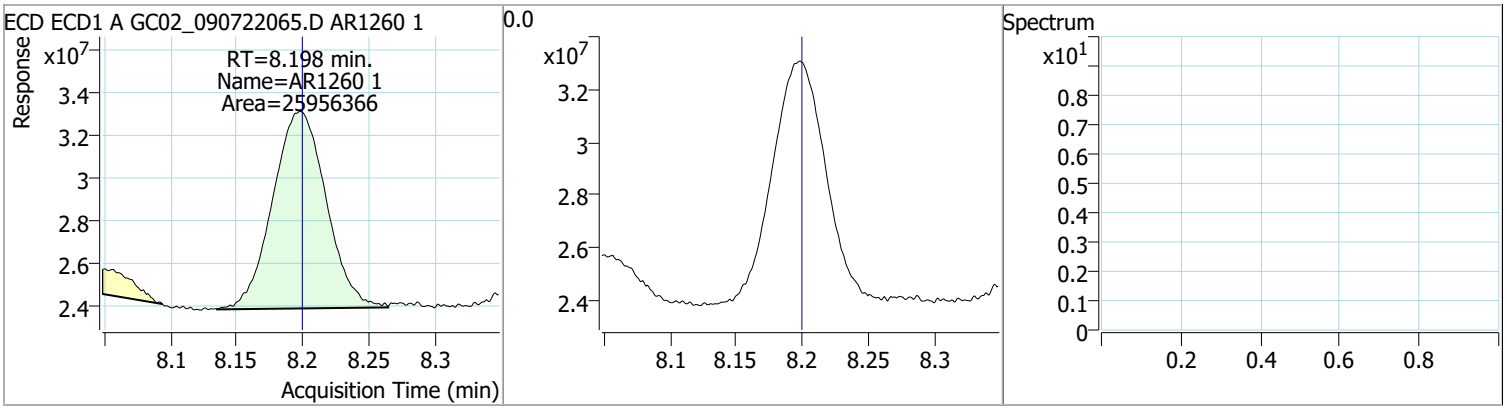
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	106.1928	6.62	0.00	1128009				



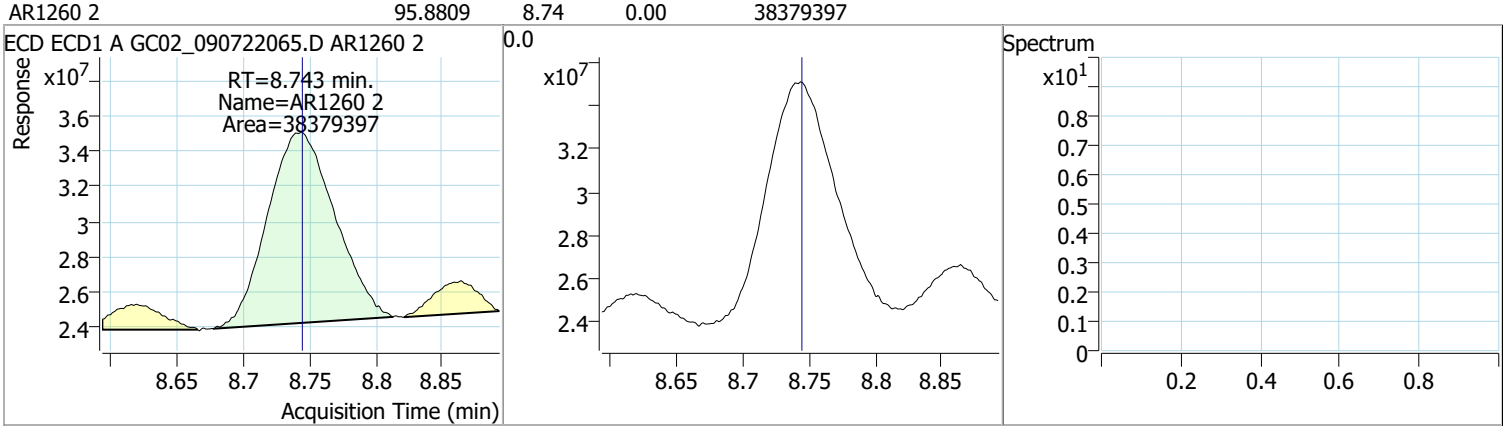
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	106.9485	7.25	0.00	968234				



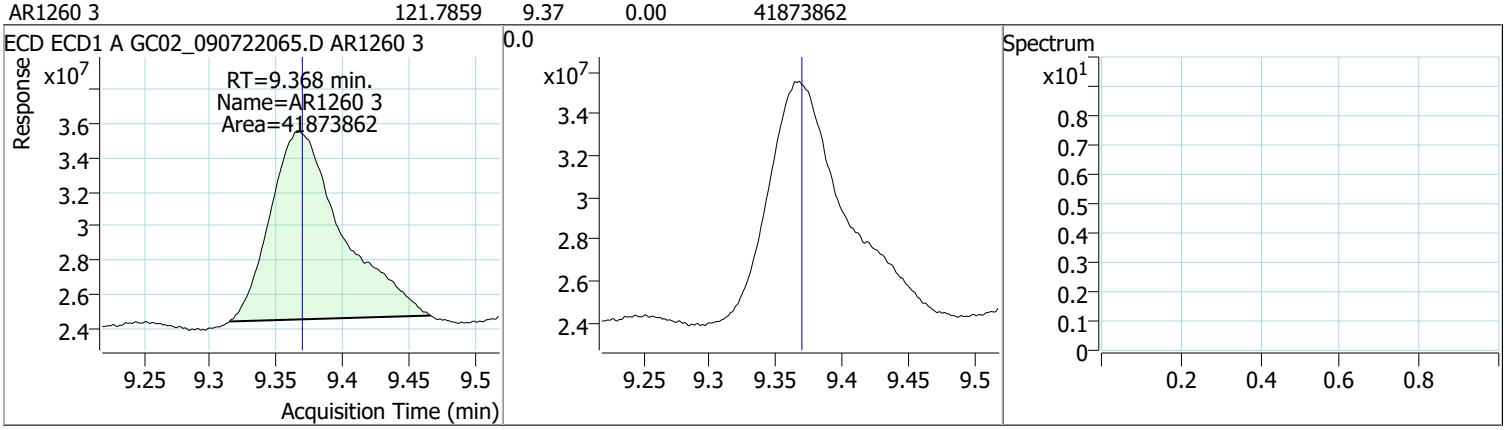
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	99.1219	8.20	0.00	25956366				



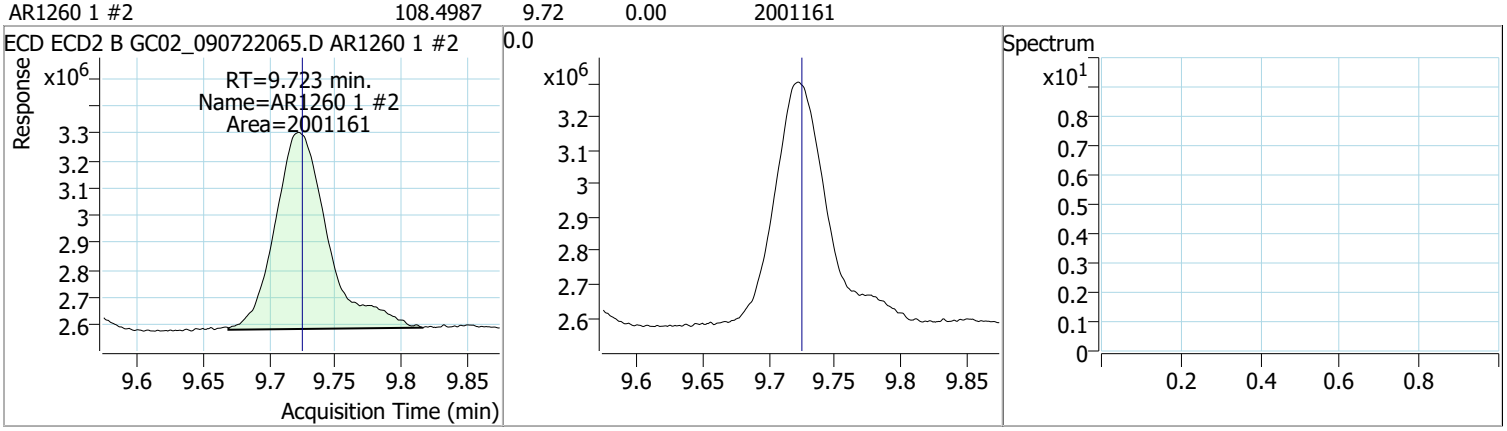
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	95.8809	8.74	0.00	38379397				



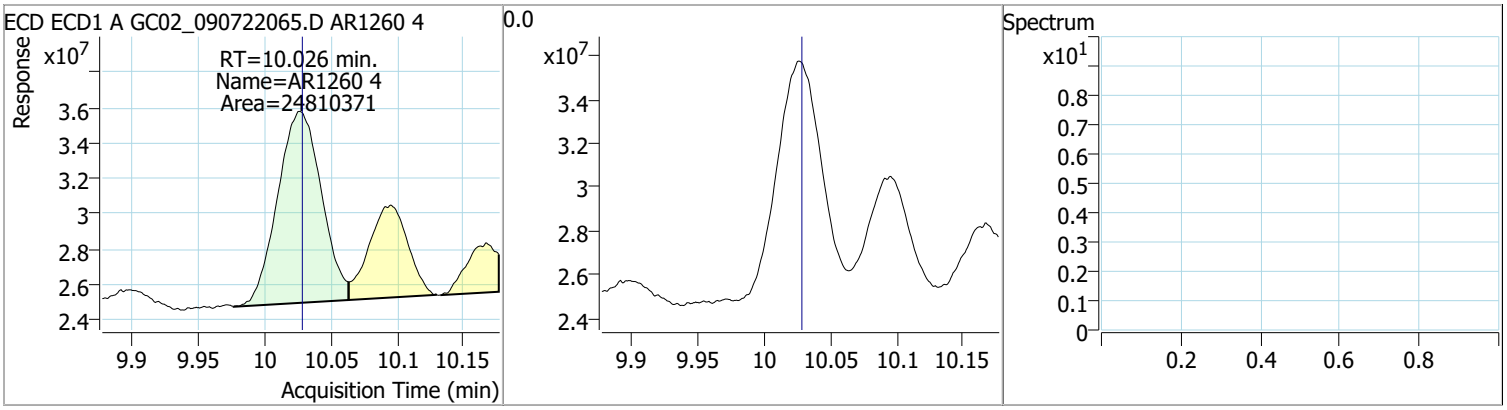
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	121.7859	9.37	0.00	41873862				



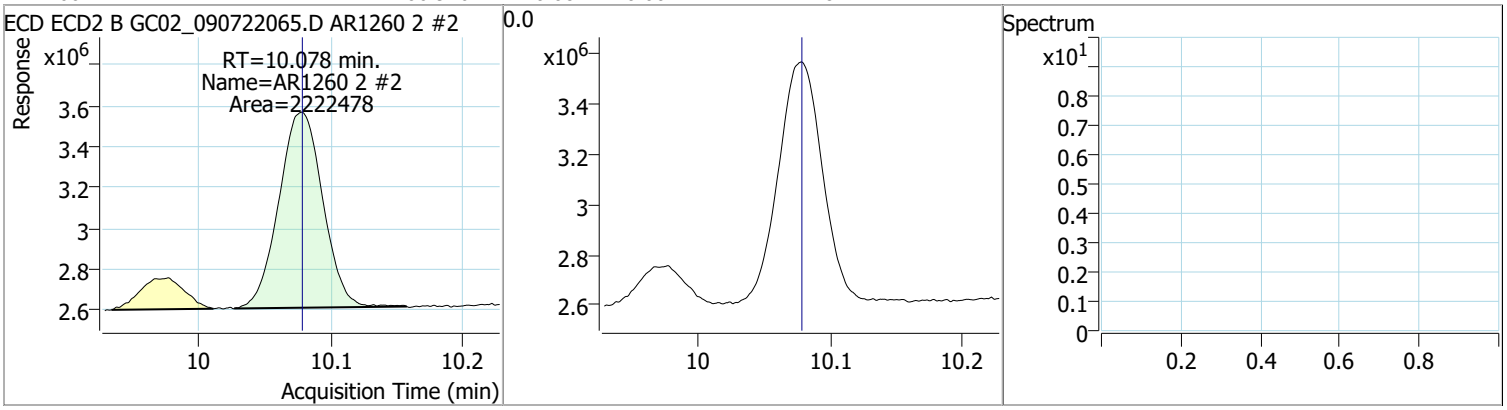
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	108.4987	9.72	0.00	2001161				



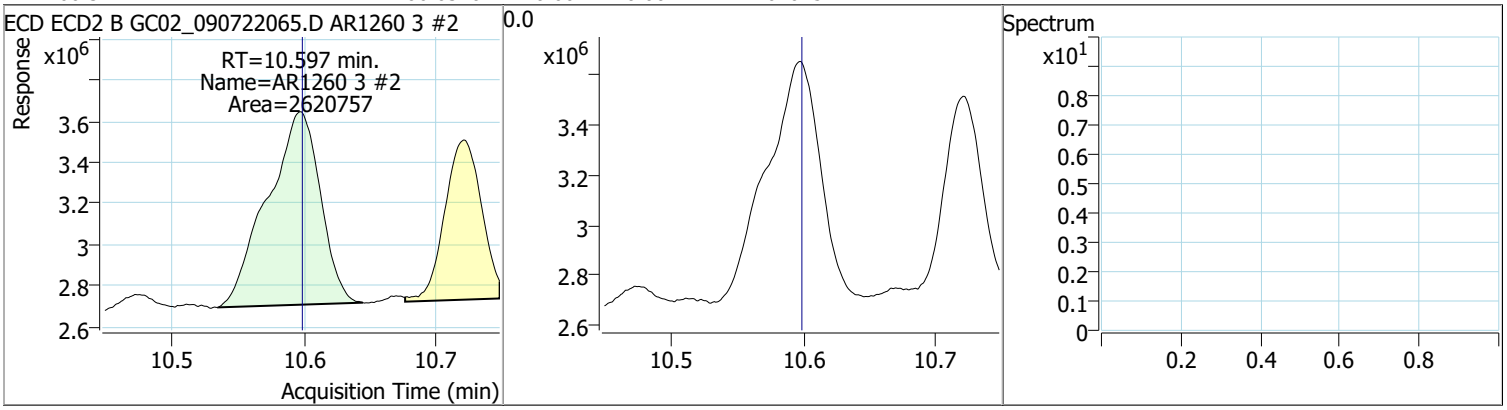
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	92.1083	10.03	0.00	24810371				



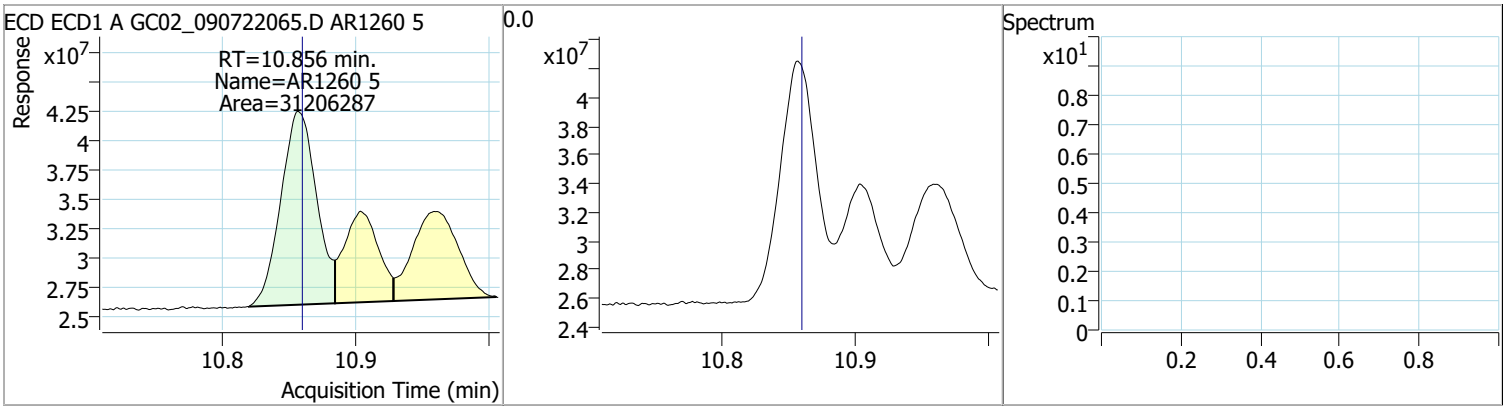
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	106.9464	10.08	0.00	2222478				



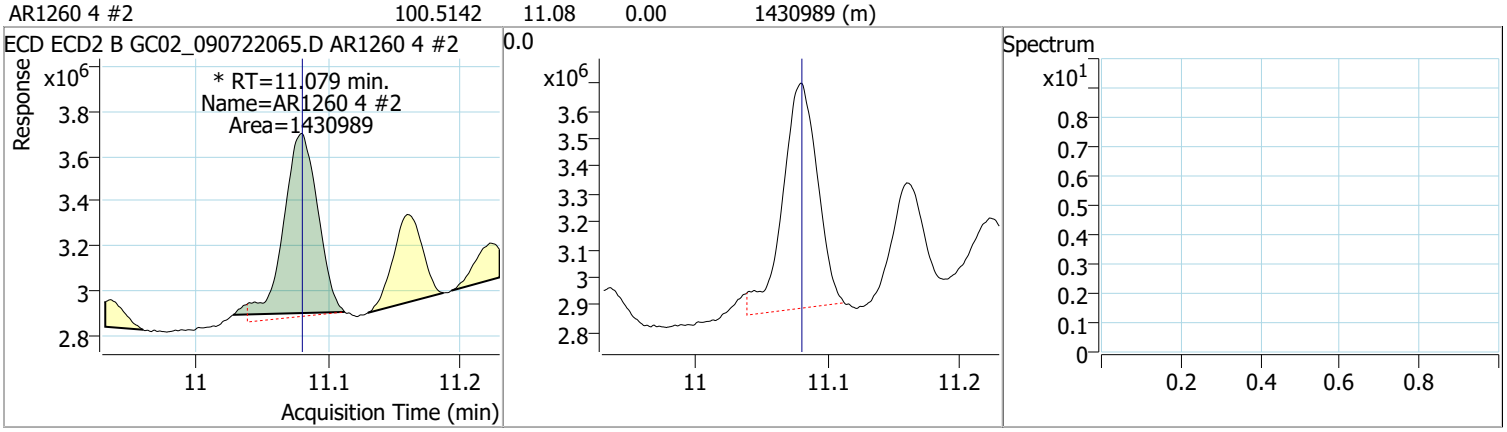
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	106.0310	10.60	0.00	2620757				



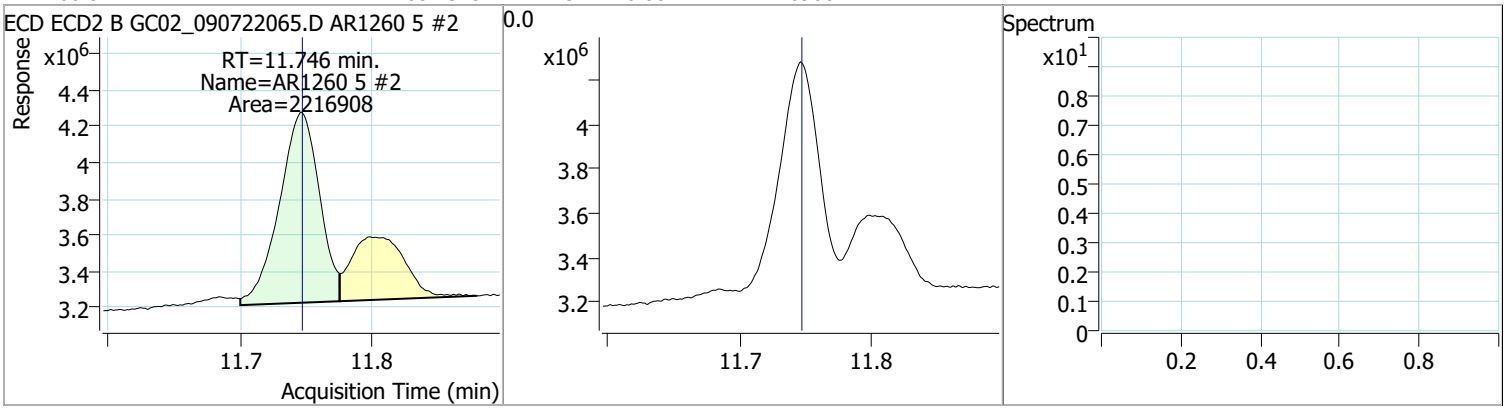
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	88.5964	10.86	0.00	31206287				



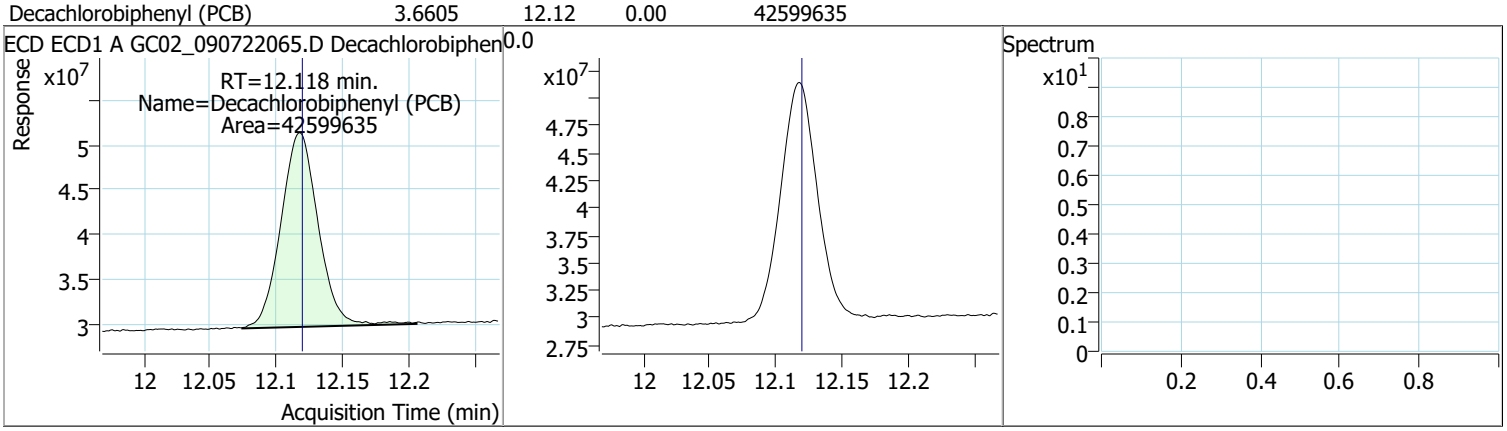
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	100.5142	11.08	0.00	1430989 (m)				



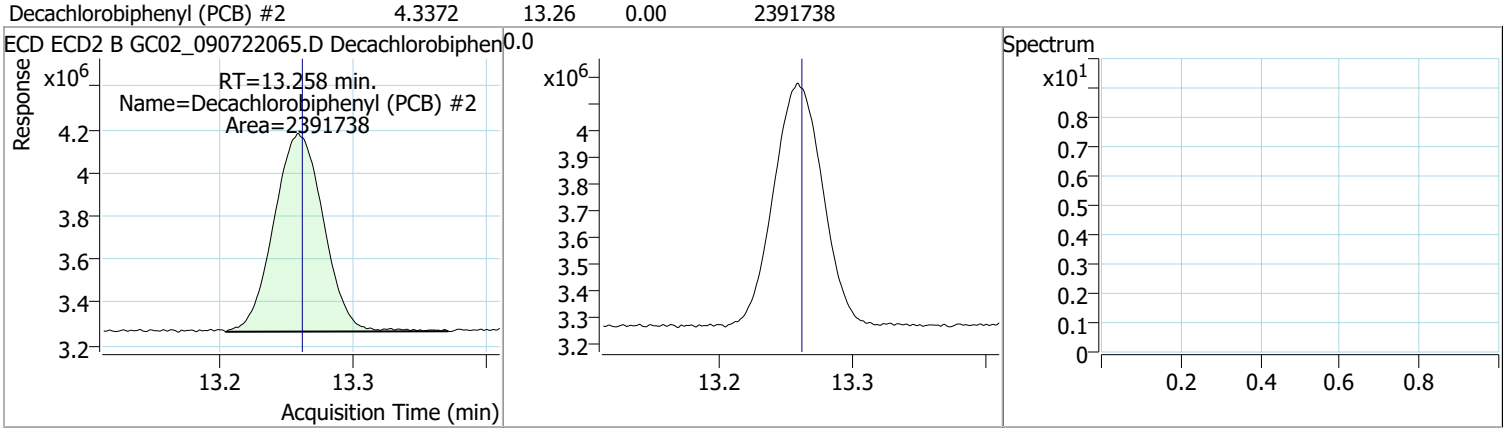
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	105.2315	11.75	0.00	2216908				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	3.6605	12.12	0.00	42599635				

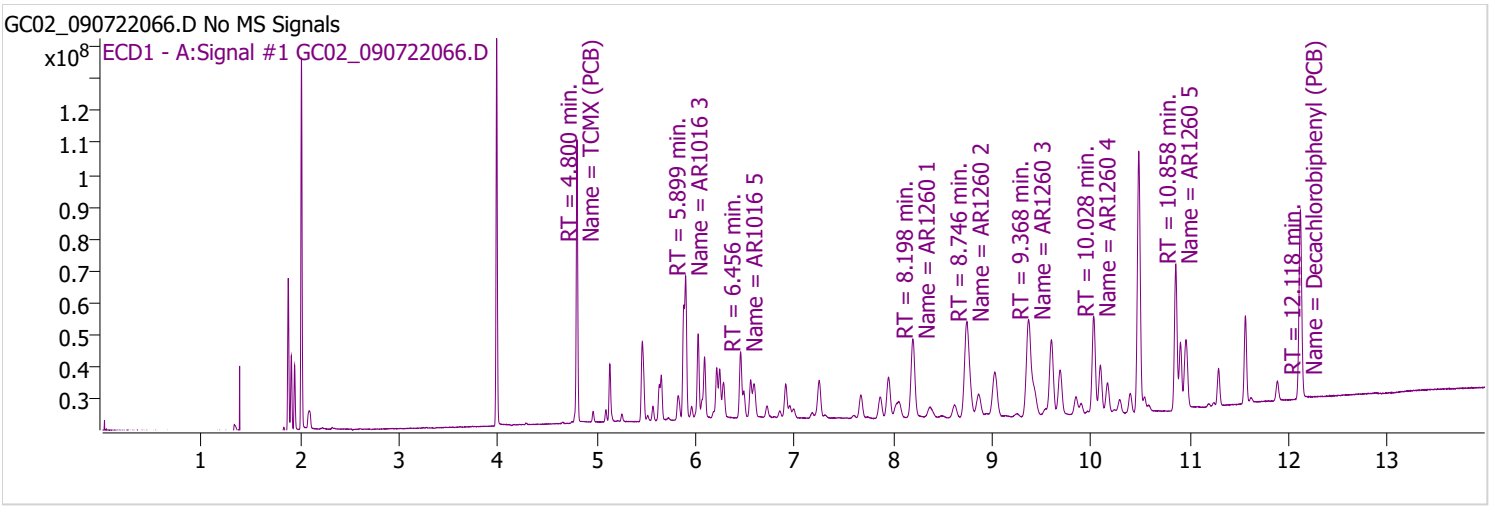


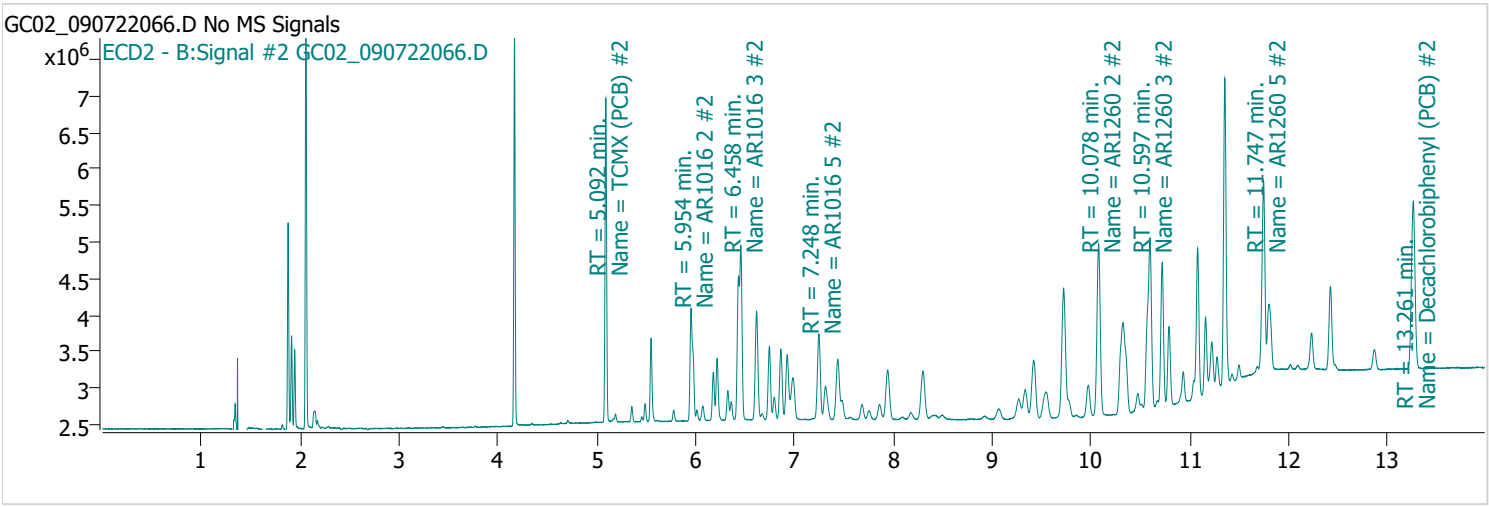
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.3372	13.26	0.00	2391738				



Quantitation Results Report (Not Reviewed)

Data File	GC02_090722066.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/7/2022 10:39:32 PM
Sample Name	ICAL, S17266	Instrument	SVOA-GC02
Vial	44	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_1.m	Comment	250PPB PCB ICAL 4
Tune File	ATUNE.U	Tune Date	
Batch Name	090722PCBICAL.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



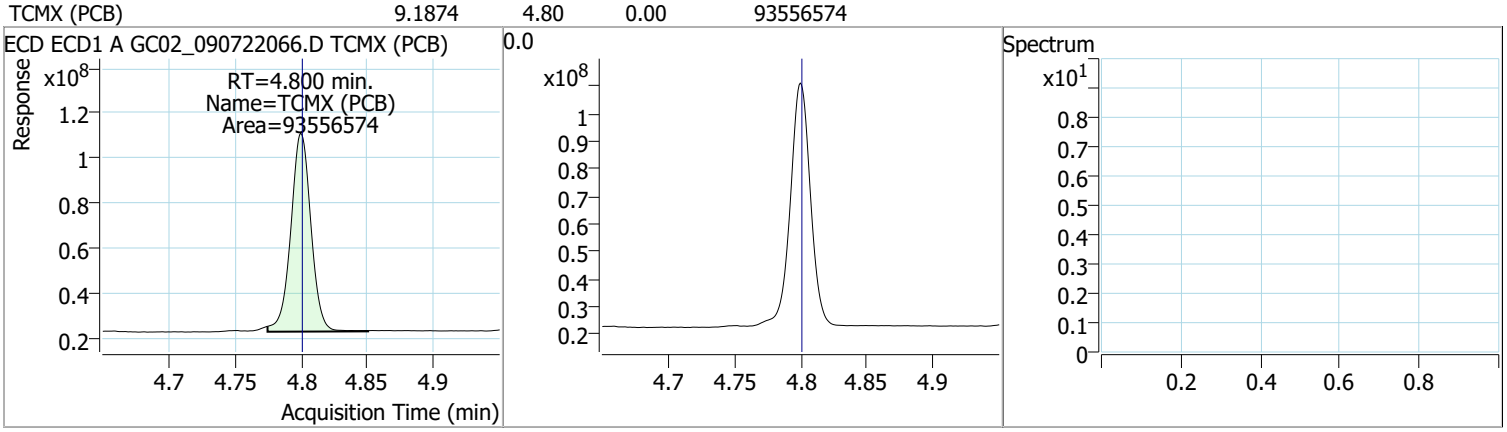


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.988	0.0	107639456.091	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.168	0.0	4948375.311	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.800	0.0	93556574.074	9.1874	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 45.94%		*	
S TCMX (PCB) #2	5.092	0.0	5042336.096	9.8103	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 49.05%		*	
S Decachlorobiphenyl (PCB)	12.118	0.0	113400926.939	8.8476	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 44.24%		*	
S Decachlorobiphenyl (PCB) #2	13.261	0.0	5839750.052	9.8551	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 49.28%		*	
Target Compounds							QValue

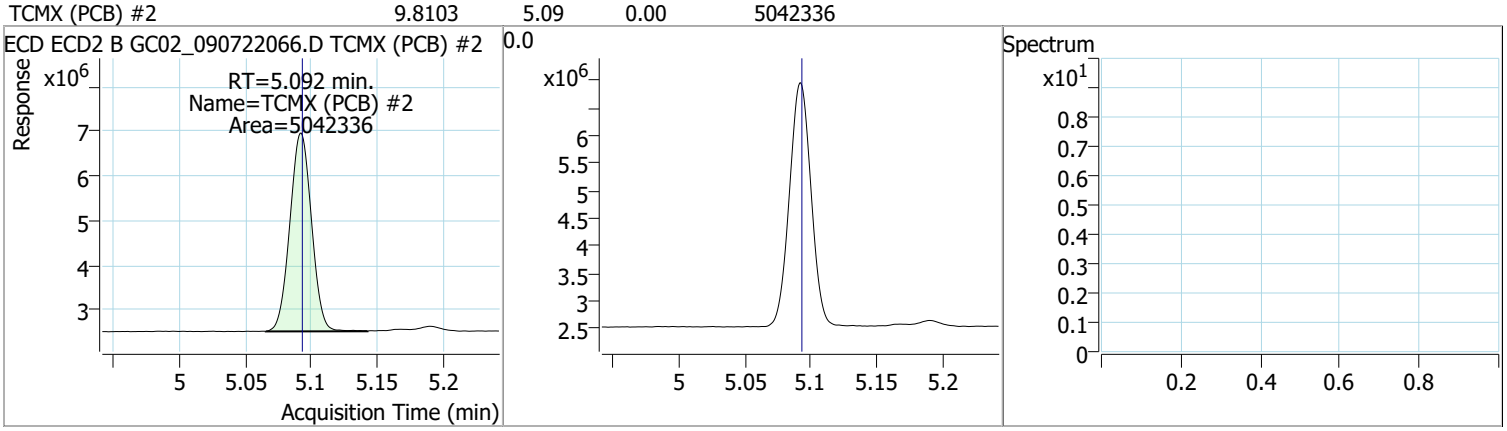
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.132	0.0	22544187.331	238.1383	ng/ml		100
T AR1016 2	5.461	0.0	43950188.386	240.4853	ng/ml		100
T AR1016 1 #2	5.550	0.0	1501577.853	240.1528	ng/ml		100
T AR1016 3	5.899	0.0	63881556.026	231.9365	ng/ml	m	100
T AR1016 2 #2	5.954	0.0	3215487.572	254.7064	ng/ml		100
T AR1016 4	6.026	0.0	37090256.142	228.7126	ng/ml		100
T AR1016 5	6.456	0.0	34103682.940	228.3317	ng/ml		100
T AR1016 3 #2	6.458	0.0	3807485.200	248.7703	ng/ml	m	100
T AR1016 4 #2	6.617	0.0	2813652.949	246.5060	ng/ml		100
T AR1016 5 #2	7.248	0.0	2552441.539	262.3766	ng/ml		100
T AR1260 1	8.198	0.0	67793857.519	235.0682	ng/ml		100
T AR1260 2	8.746	0.0	100394952.344	227.7317	ng/ml		100
T AR1260 3	9.368	0.0	120433210.664	258.7517	ng/ml		100
T AR1260 1 #2	9.724	0.0	5057697.138	255.1937	ng/ml		100
T AR1260 4	10.028	0.0	65993146.622	222.4549	ng/ml		100
T AR1260 2 #2	10.078	0.0	5493429.555	246.0067	ng/ml		100
T AR1260 3 #2	10.597	0.0	6534457.006	246.0312	ng/ml		100
T AR1260 5	10.858	0.0	84795832.430	218.5880	ng/ml		100
T AR1260 4 #2	11.080	0.0	4065325.124	265.7425	ng/ml		100
T AR1260 5 #2	11.747	0.0	5486866.186	242.3802	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

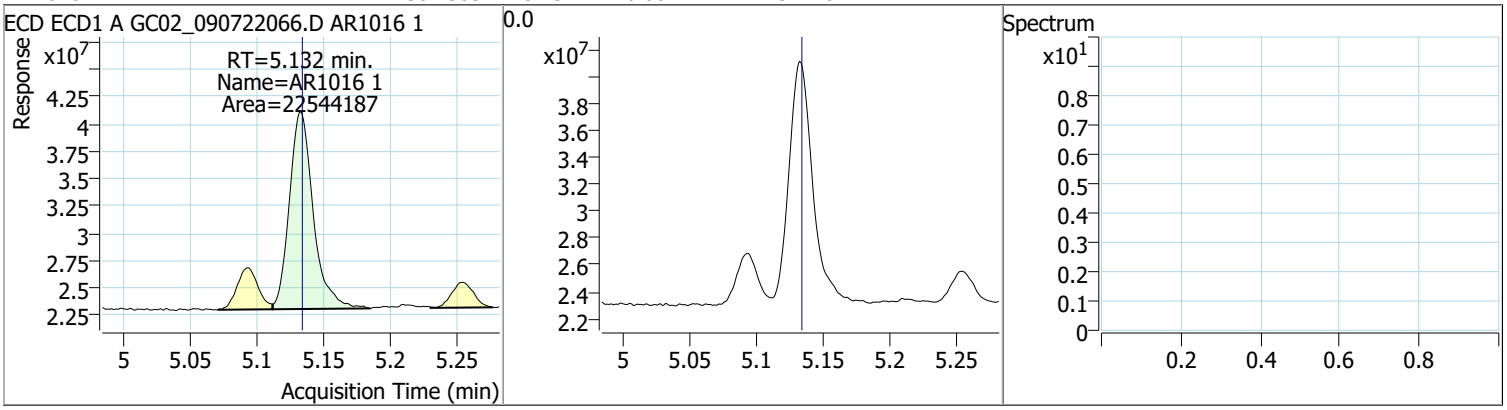
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	9.1874	4.80	0.00	93556574				



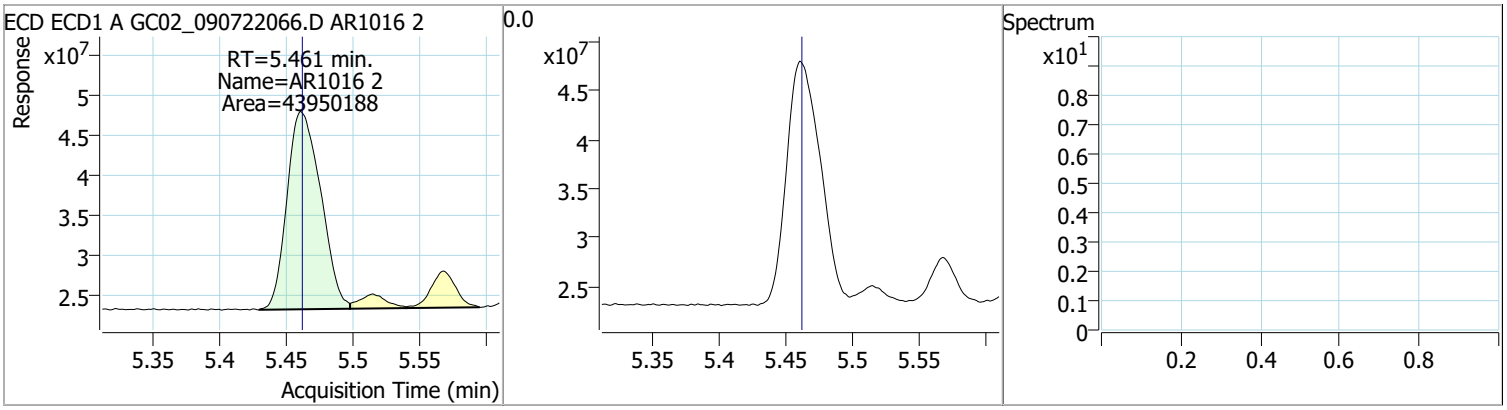
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	9.8103	5.09	0.00	5042336				



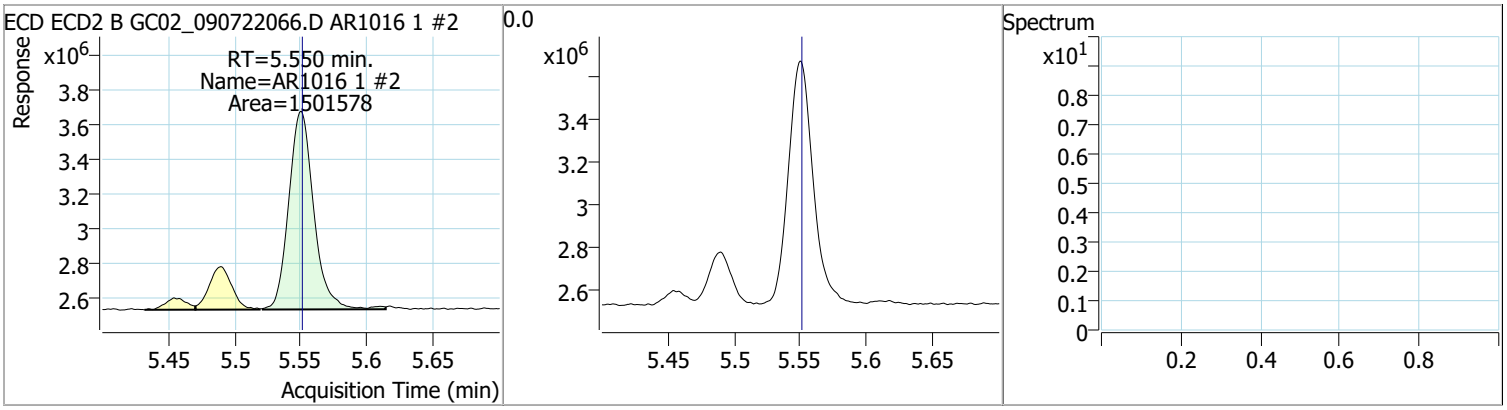
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	238.1383	5.13	0.00	22544187				



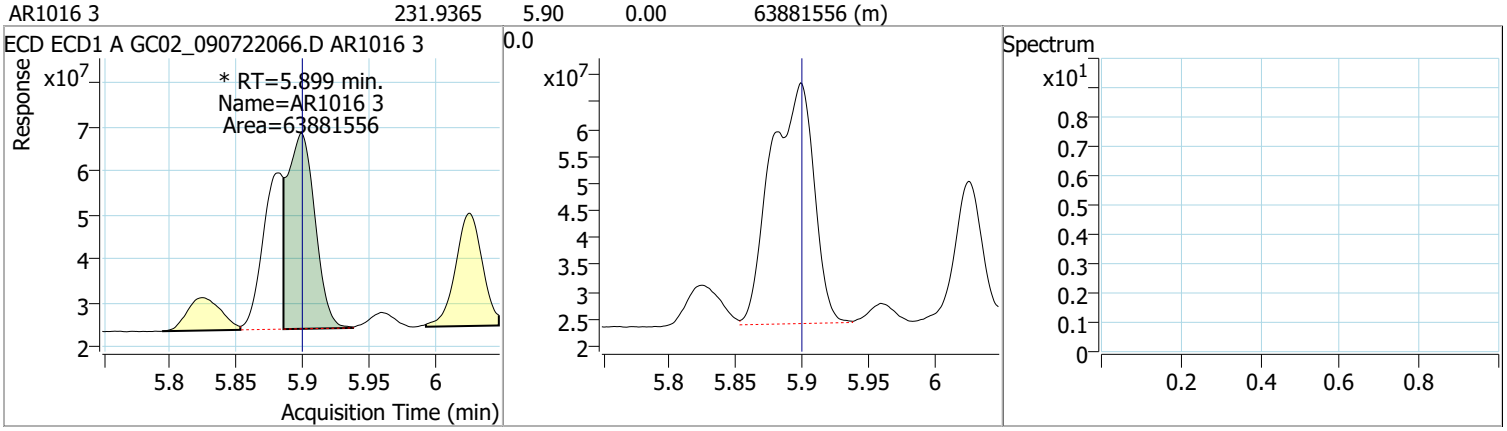
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	240.4853	5.46	0.00	43950188				



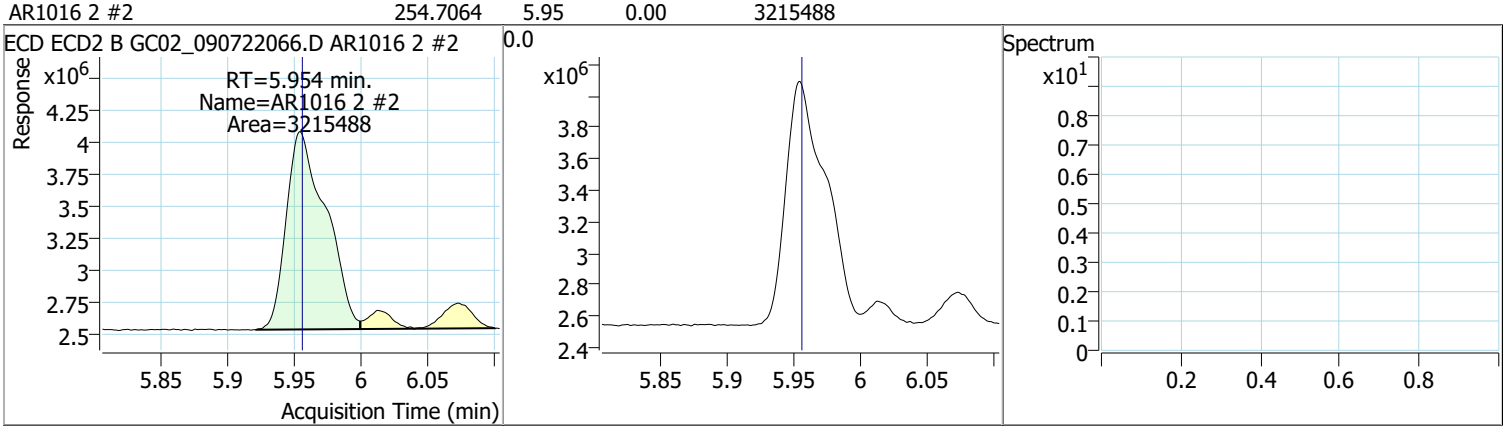
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	240.1528	5.55	0.00	1501578				



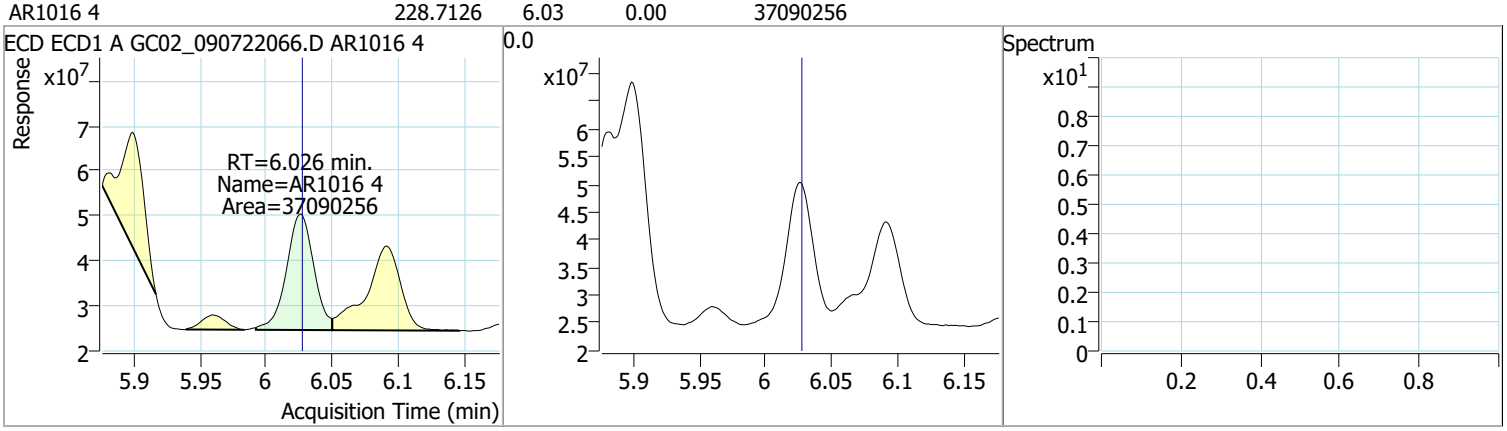
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	231.9365	5.90	0.00	63881556 (m)				



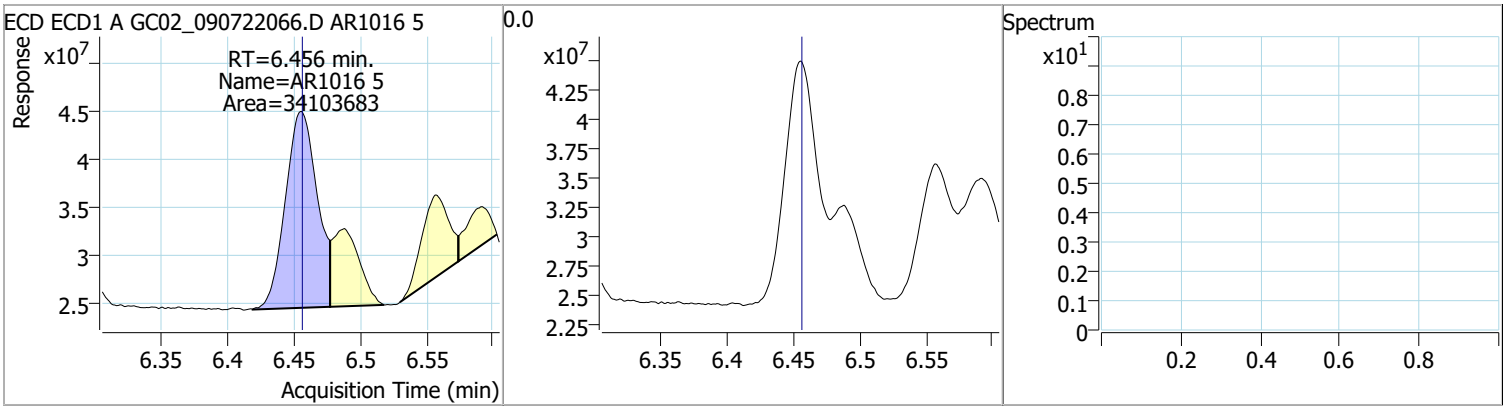
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	254.7064	5.95	0.00	3215488				



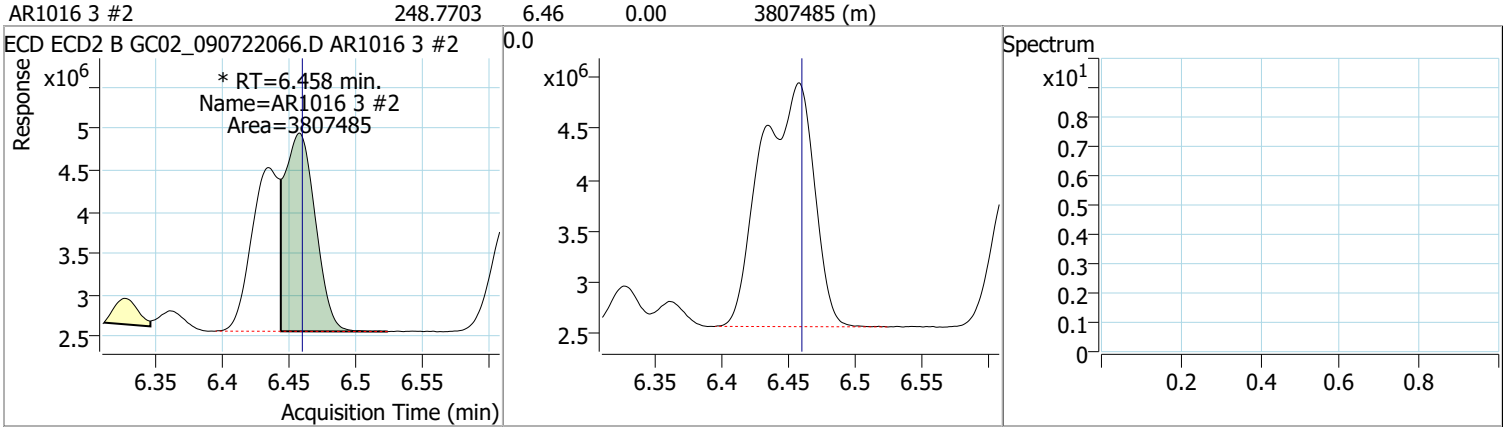
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	228.7126	6.03	0.00	37090256				



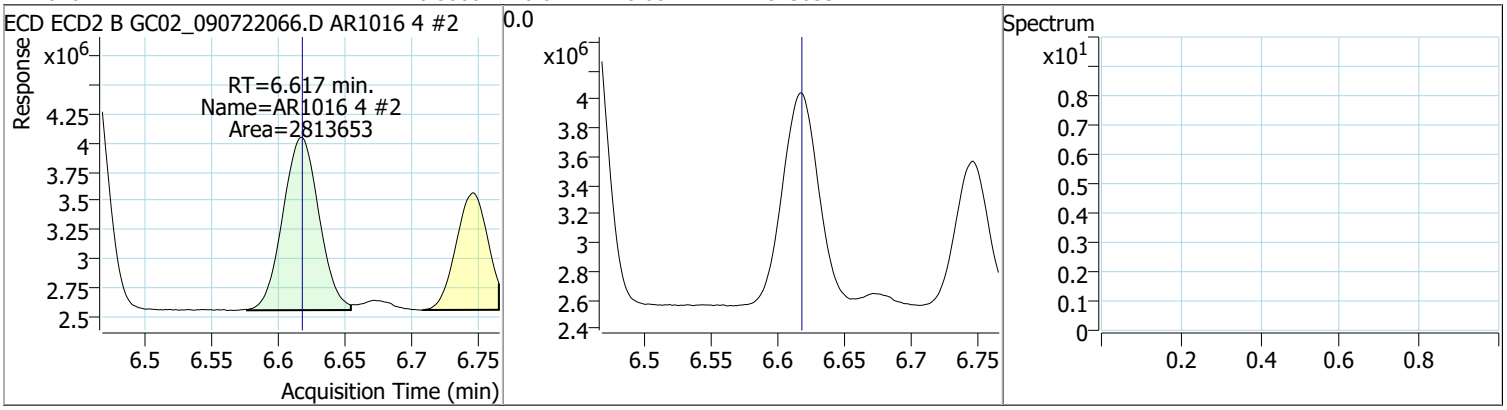
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	228.3317	6.46	0.00	34103683				



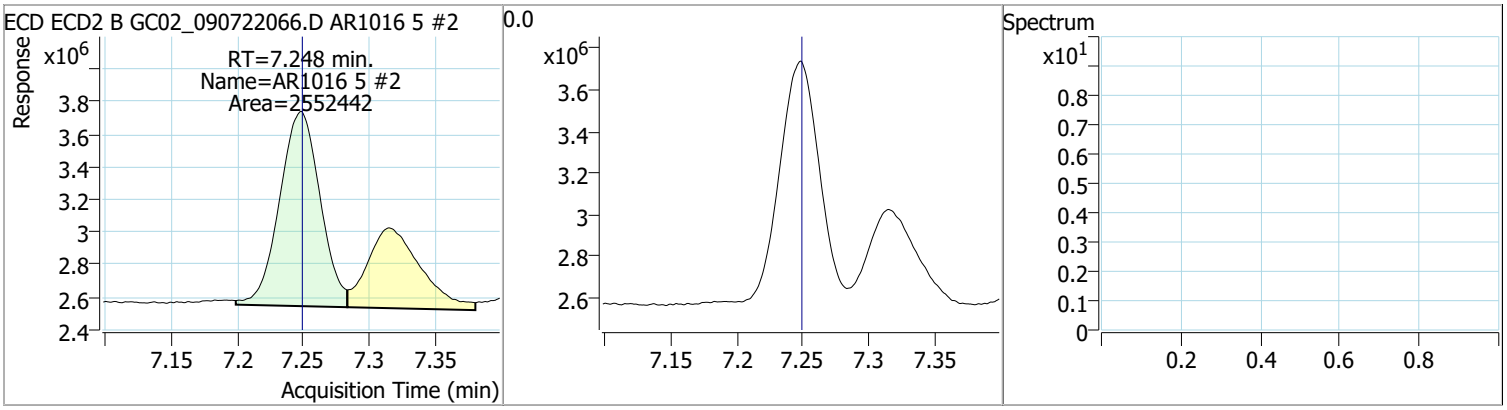
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	248.7703	6.46	0.00	3807485 (m)				



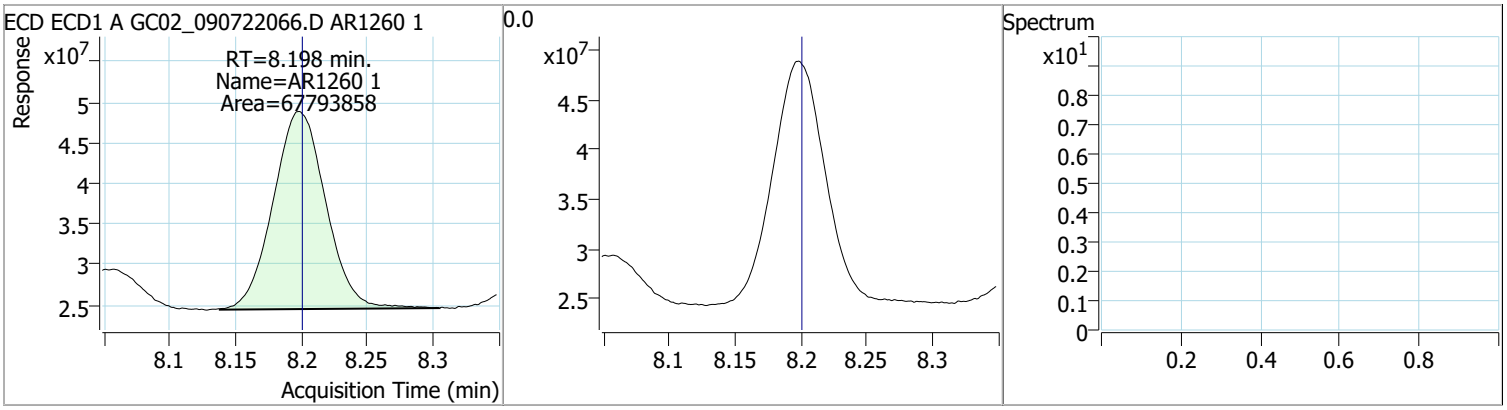
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	246.5060	6.62	0.00	2813653				



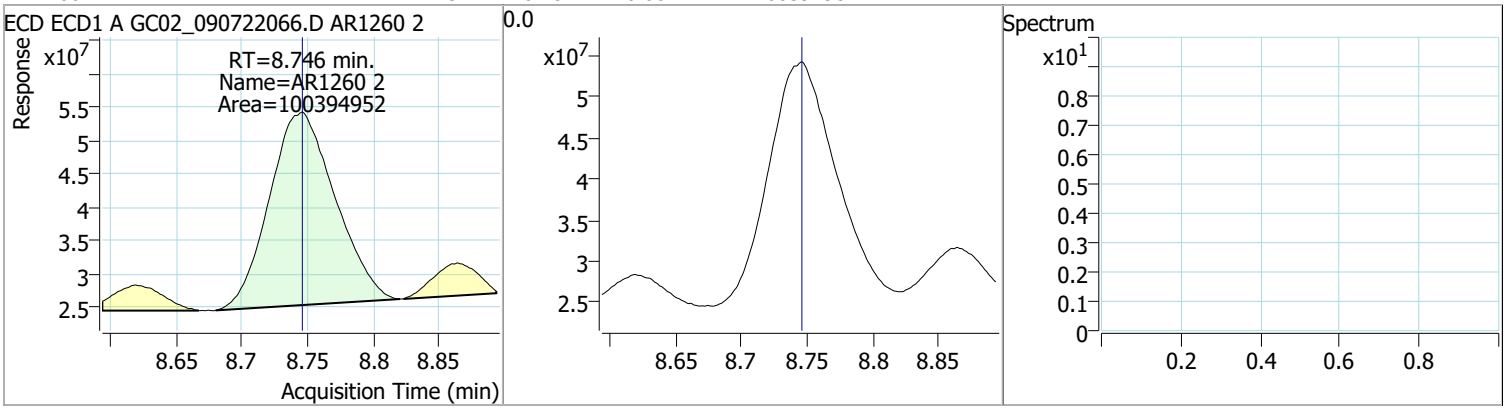
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	262.3766	7.25	0.00	2552442				



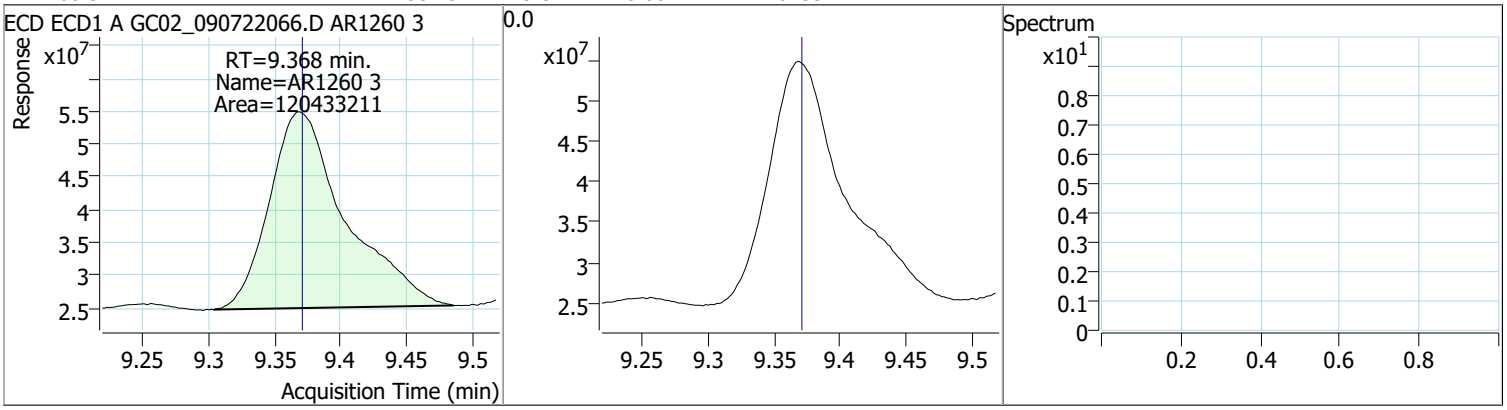
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	235.0682	8.20	0.00	67793858				



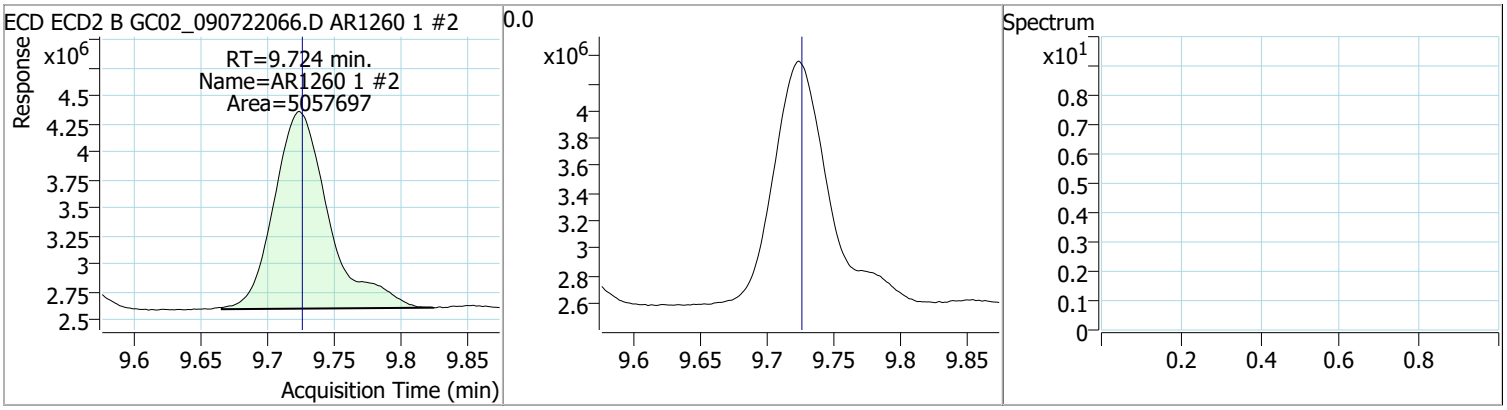
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	227.7317	8.75	0.00	100394952				



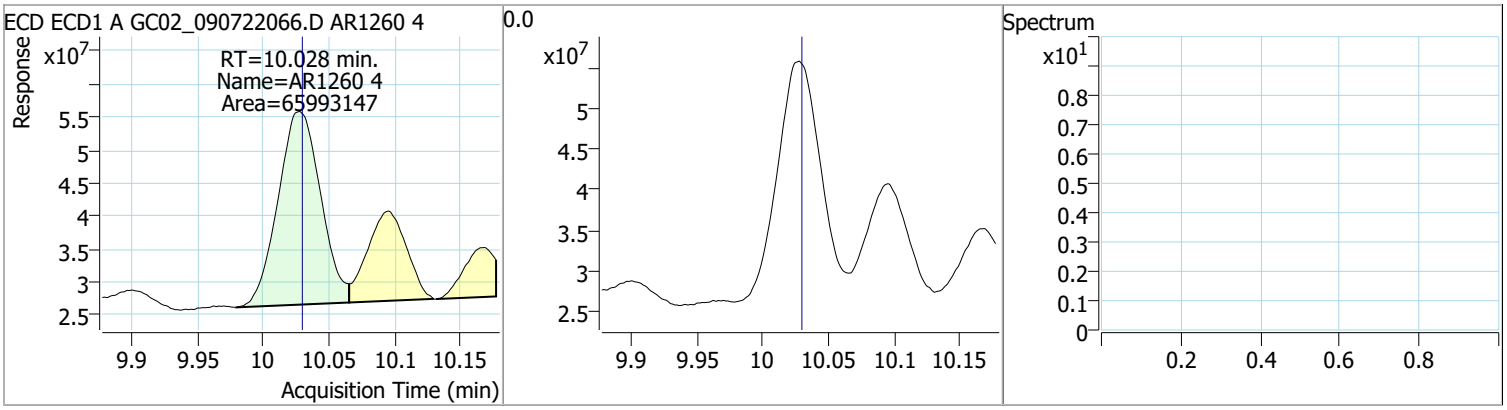
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	258.7517	9.37	0.00	120433211				



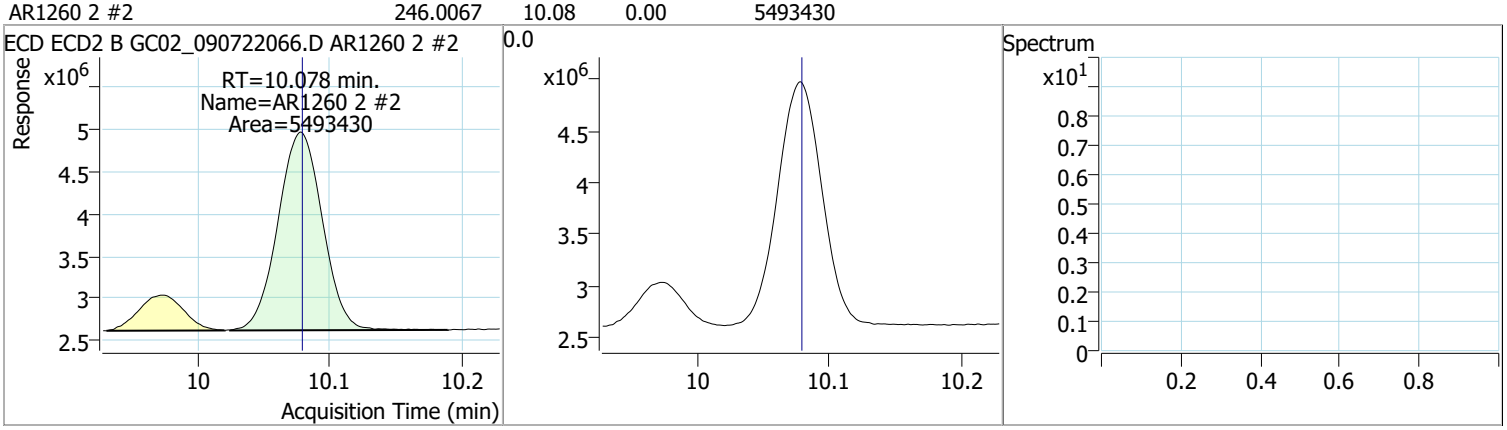
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	255.1937	9.72	0.00	5057697				



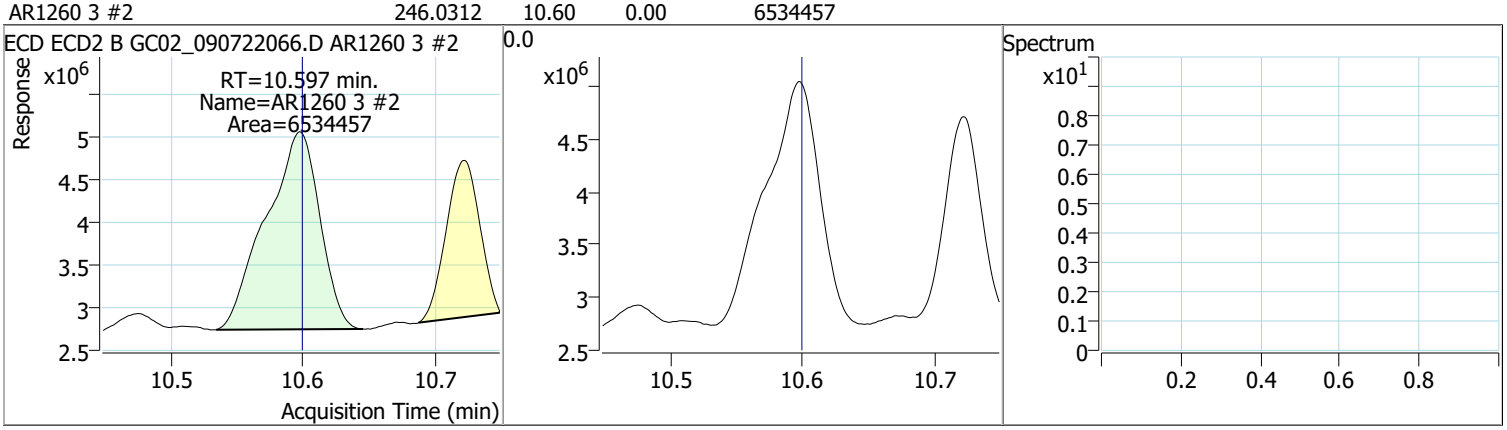
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	222.4549	10.03	0.00	65993147				



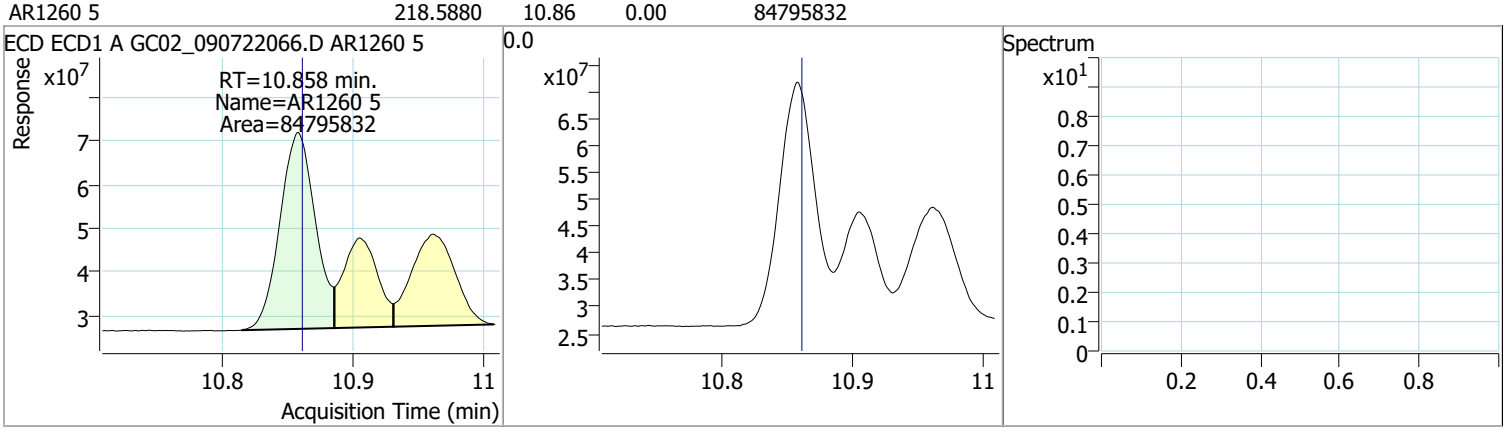
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	246.0067	10.08	0.00	5493430				



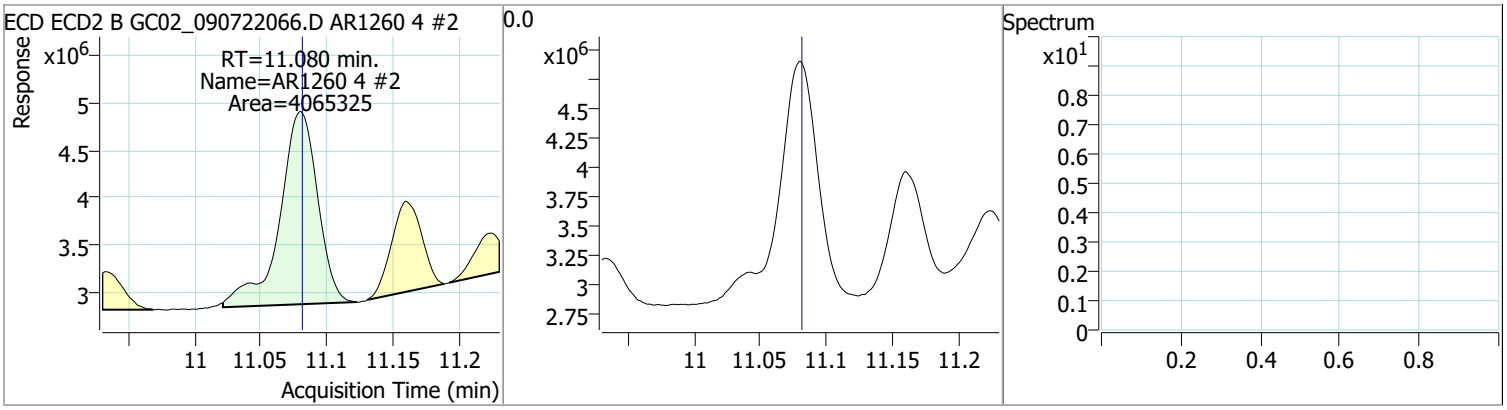
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AR1260 3 #2	246.0312	10.60	0.00	6534457				



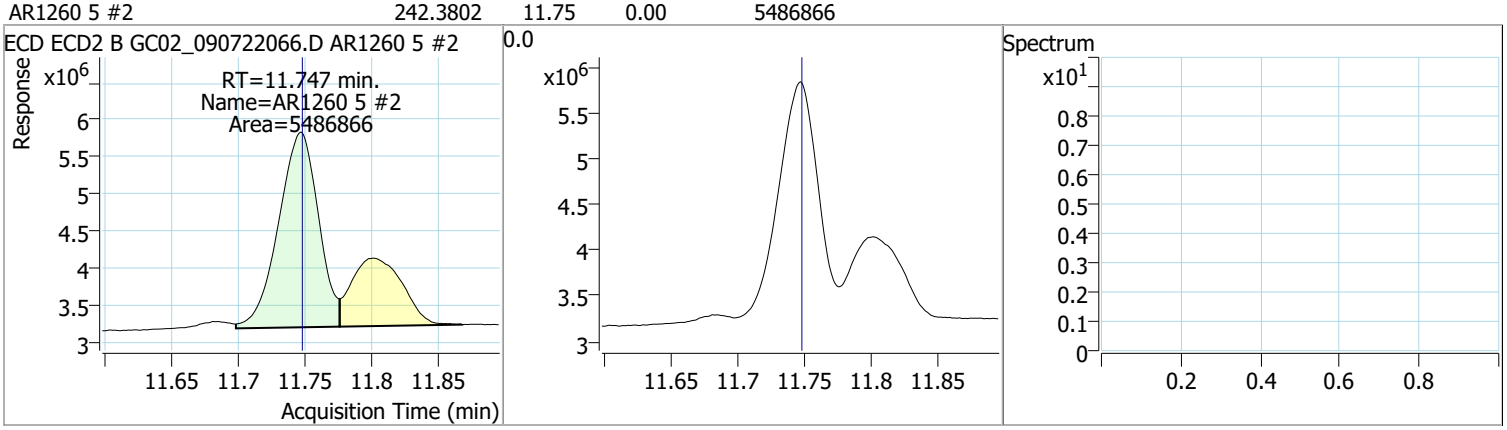
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	218.5880	10.86	0.00	84795832				



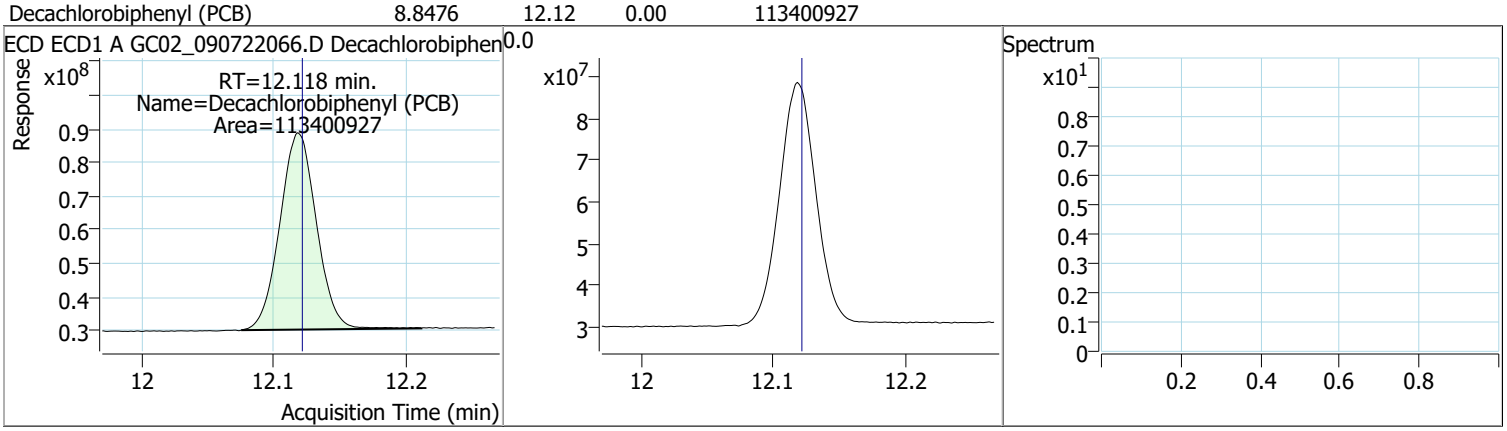
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	265.7425	11.08	0.00	4065325				



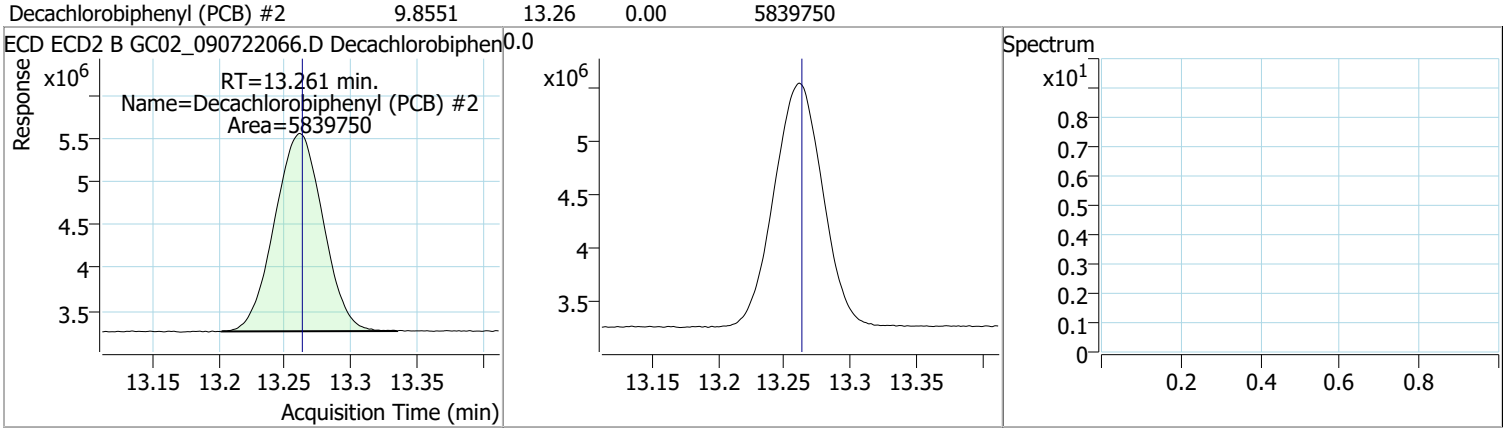
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	242.3802	11.75	0.00	5486866				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.8476	12.12	0.00	113400927				

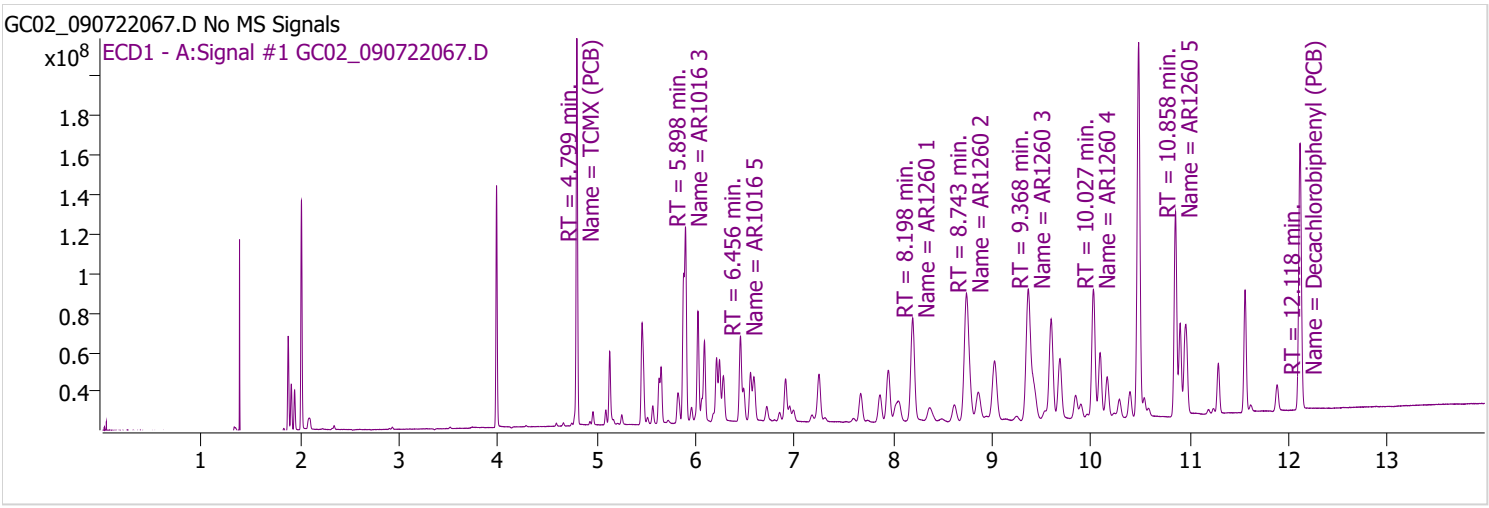


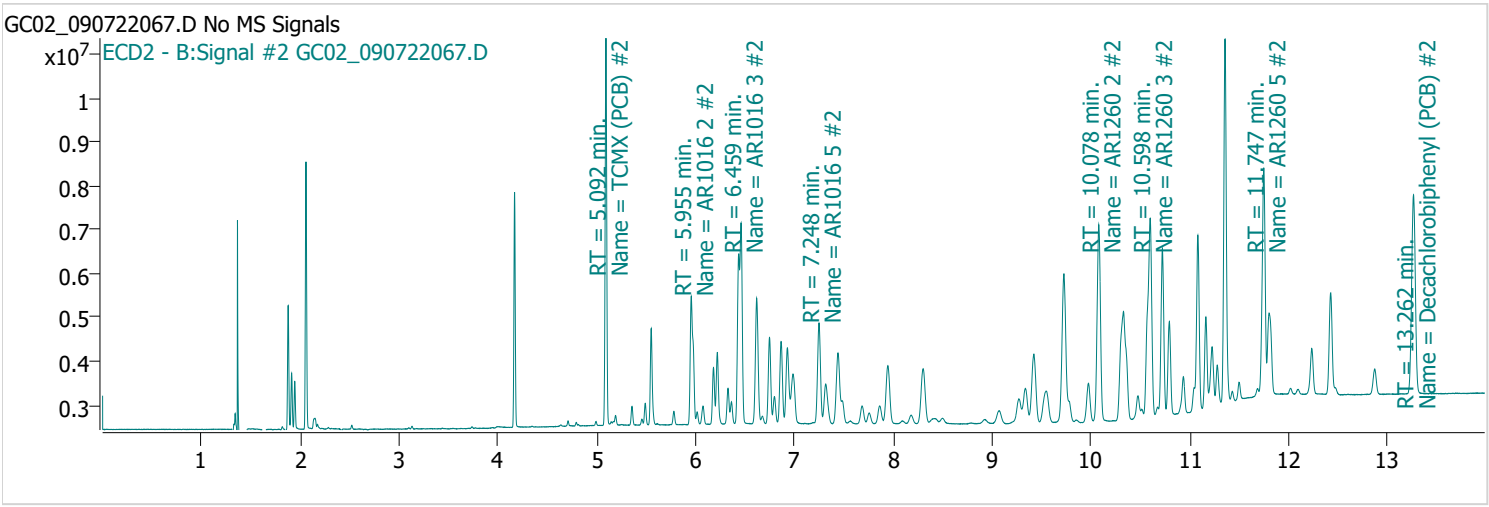
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.8551	13.26	0.00	5839750				



Quantitation Results Report (Not Reviewed)

Data File	GC02_090722067.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/7/2022 10:57:19 PM
Sample Name	ICAL, S17267	Instrument	SVOA-GC02
Vial	45	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_1.m	Comment	500PPB PCB ICAL 5
Tune File	ATUNE.U	Tune Date	
Batch Name	090722PCBICAL.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



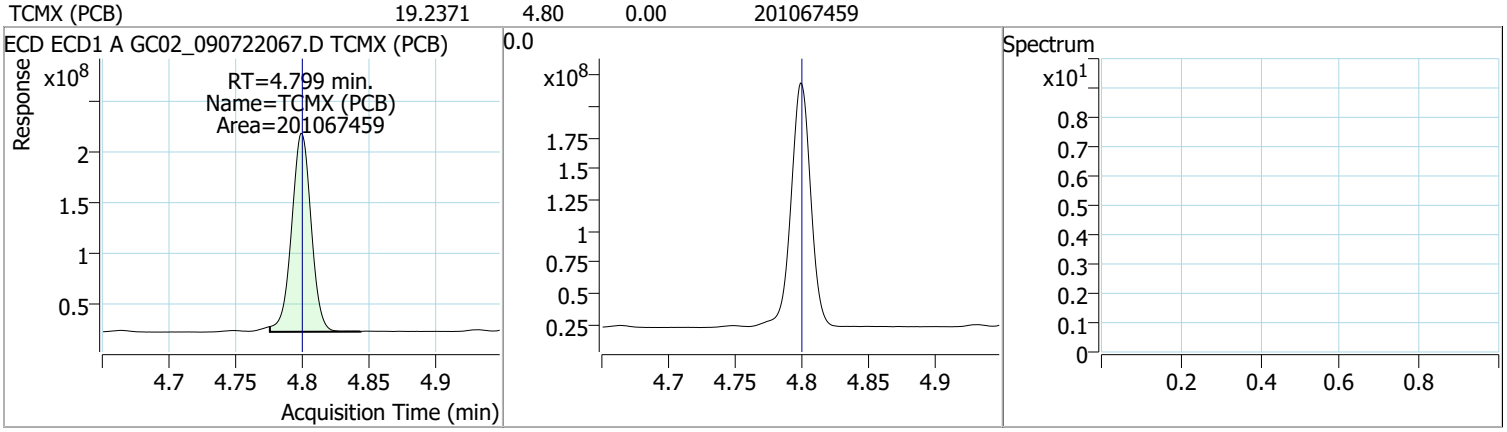


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	110482033.313	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.168	0.0	4991308.399	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.799	0.0	201067459.027	19.2371	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 96.19%		
S TCMX (PCB) #2	5.092	0.0	10003148.383	19.2947	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 96.47%		
S Decachlorobiphenyl (PCB)	12.118	0.0	258046471.828	19.6149	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.07%		
S Decachlorobiphenyl (PCB) #2	13.262	0.0	11922573.935	19.9474	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 99.74%		
Target Compounds						QValue

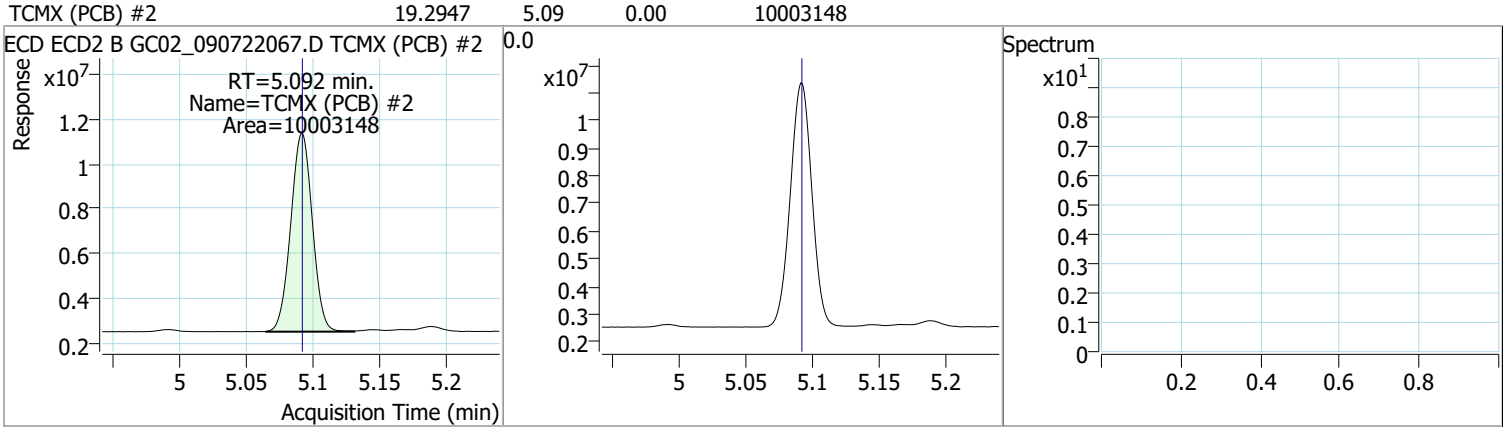
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.132	0.0	48464439.296	498.7669	ng/ml		100
T AR1016 2	5.460	0.0	87803574.121	468.0798	ng/ml		100
T AR1016 1 #2	5.550	0.0	3004911.281	476.4526	ng/ml		100
T AR1016 3	5.898	0.0	134793039.236	476.8050	ng/ml	m	100
T AR1016 2 #2	5.955	0.0	6194238.197	486.4399	ng/ml		100
T AR1016 4	6.025	0.0	78304047.668	470.4293	ng/ml		100
T AR1016 5	6.456	0.0	71882648.677	468.8876	ng/ml		100
T AR1016 3 #2	6.459	0.0	7454078.174	482.8391	ng/ml		100
T AR1016 4 #2	6.617	0.0	5501865.336	477.8759	ng/ml		100
T AR1016 5 #2	7.248	0.0	4785242.010	487.6649	ng/ml		100
T AR1260 1	8.198	0.0	138934592.907	469.3467	ng/ml		100
T AR1260 2	8.743	0.0	213084408.571	470.9156	ng/ml		100
T AR1260 3	9.368	0.0	260254188.178	504.1044	ng/ml		100
T AR1260 1 #2	9.725	0.0	9919712.582	496.2088	ng/ml		100
T AR1260 4	10.027	0.0	144585007.881	474.8389	ng/ml		100
T AR1260 2 #2	10.078	0.0	10549716.076	468.3735	ng/ml		100
T AR1260 3 #2	10.598	0.0	12787790.389	477.3362	ng/ml		100
T AR1260 5	10.858	0.0	190464152.046	478.3491	ng/ml		100
T AR1260 4 #2	11.080	0.0	8088527.257	524.1836	ng/ml		100
T AR1260 5 #2	11.747	0.0	10992671.194	481.4202	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

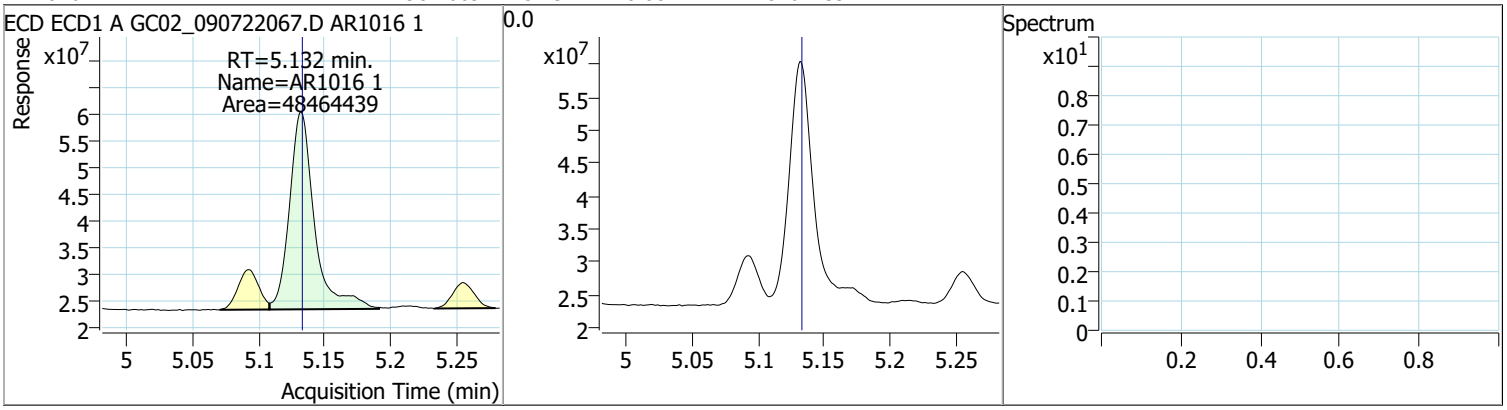
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.2371	4.80	0.00	201067459				



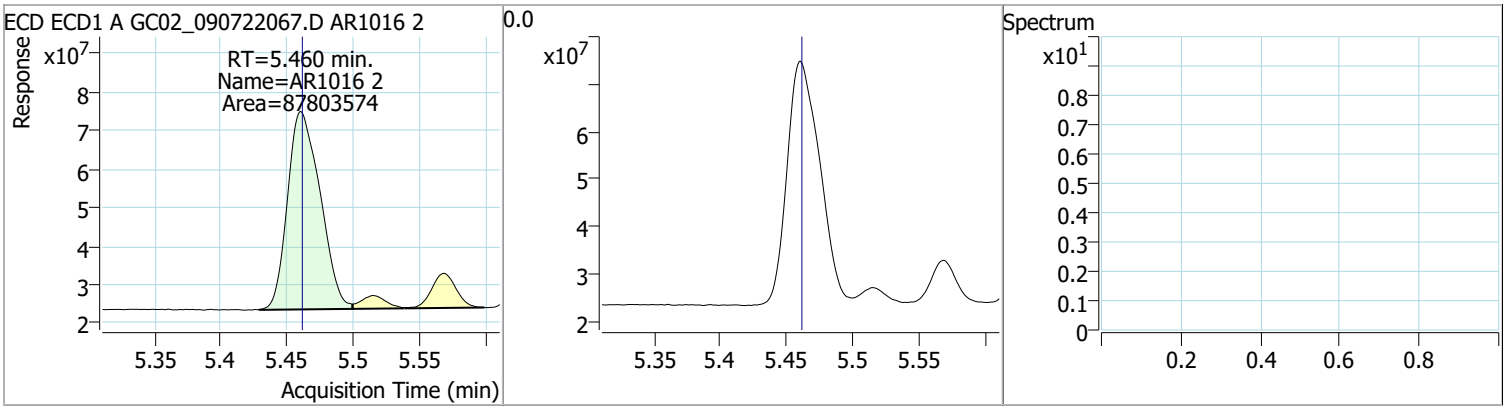
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.2947	5.09	0.00	10003148				



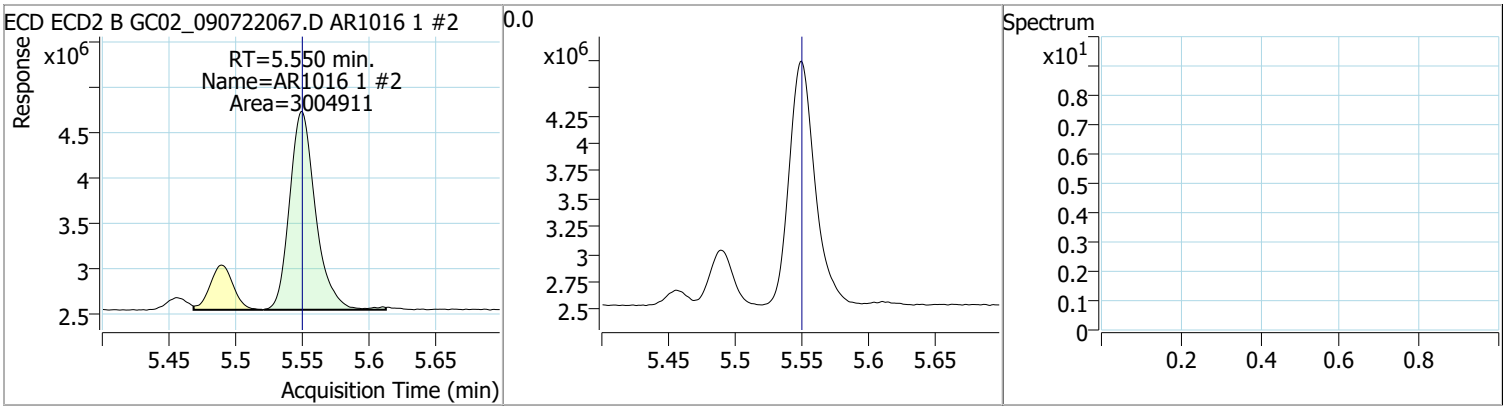
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	498.7669	5.13	0.00	48464439				



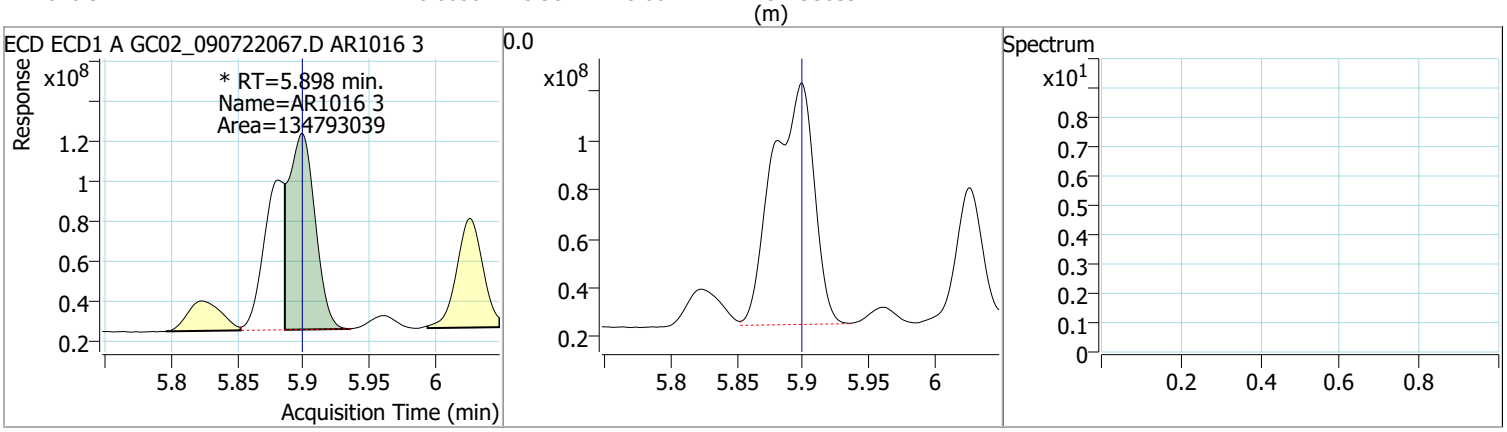
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	468.0798	5.46	0.00	87803574				



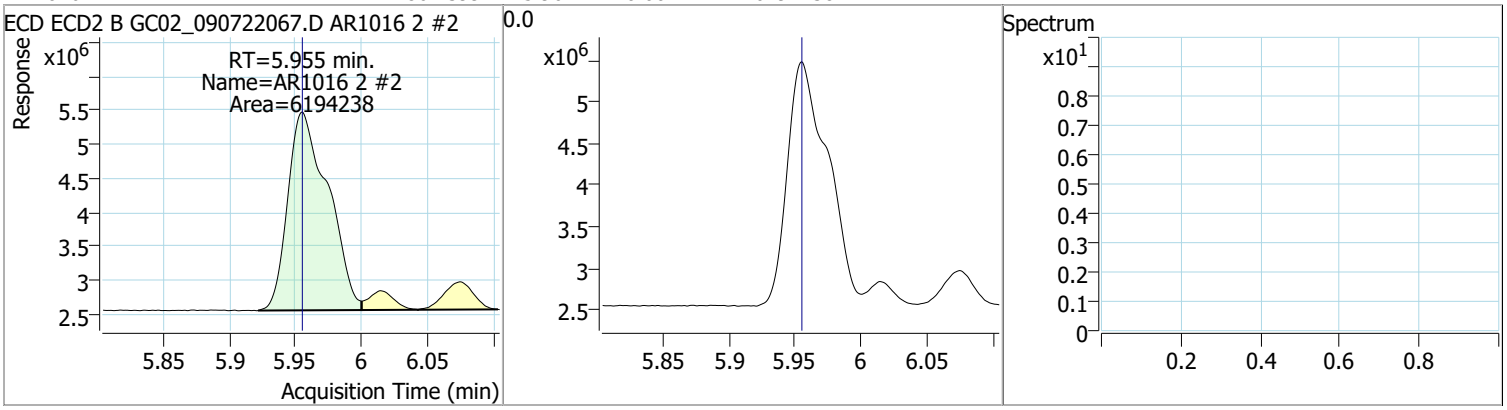
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	476.4526	5.55	0.00	3004911				



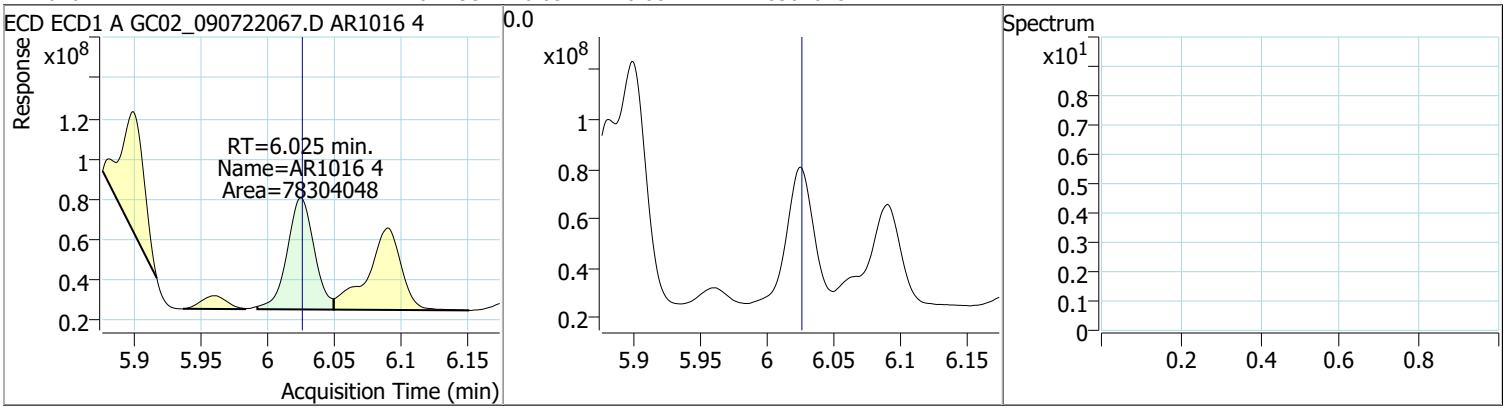
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	476.8050	5.90	0.00	134793039 (m)				



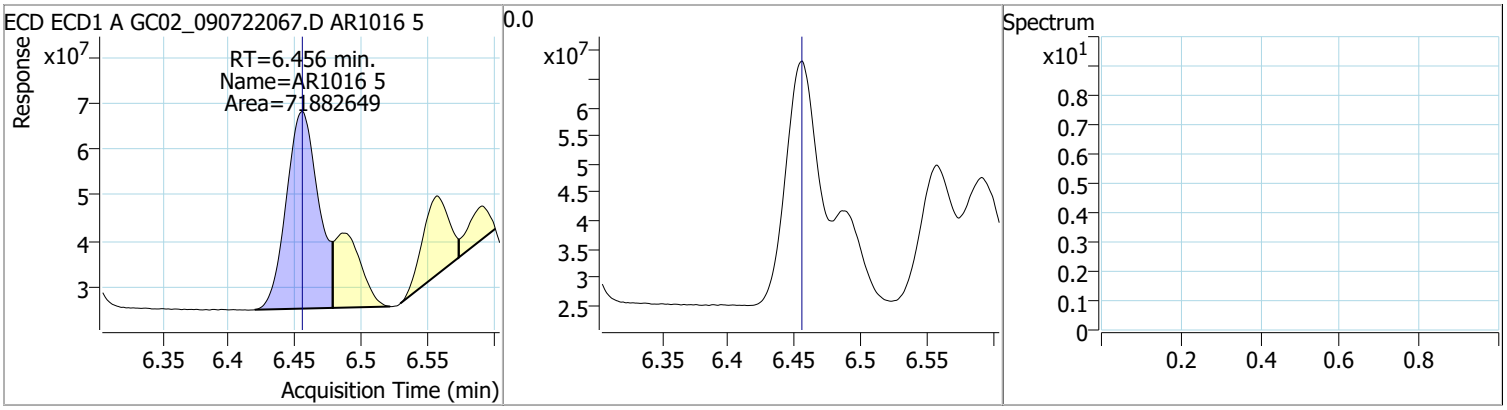
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	486.4399	5.96	0.00	6194238				



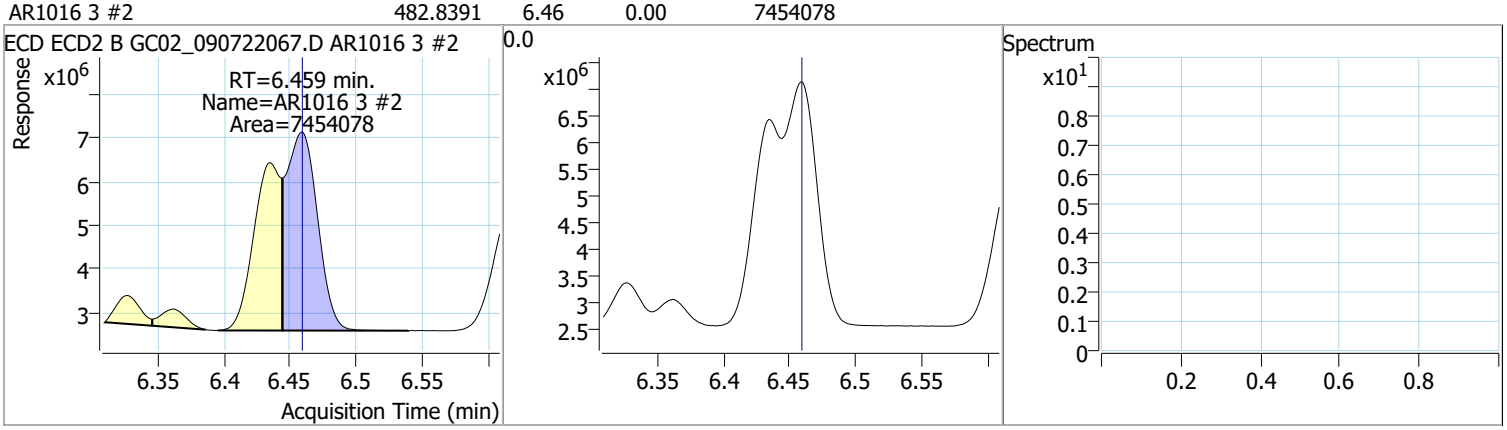
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	470.4293	6.03	0.00	78304048				



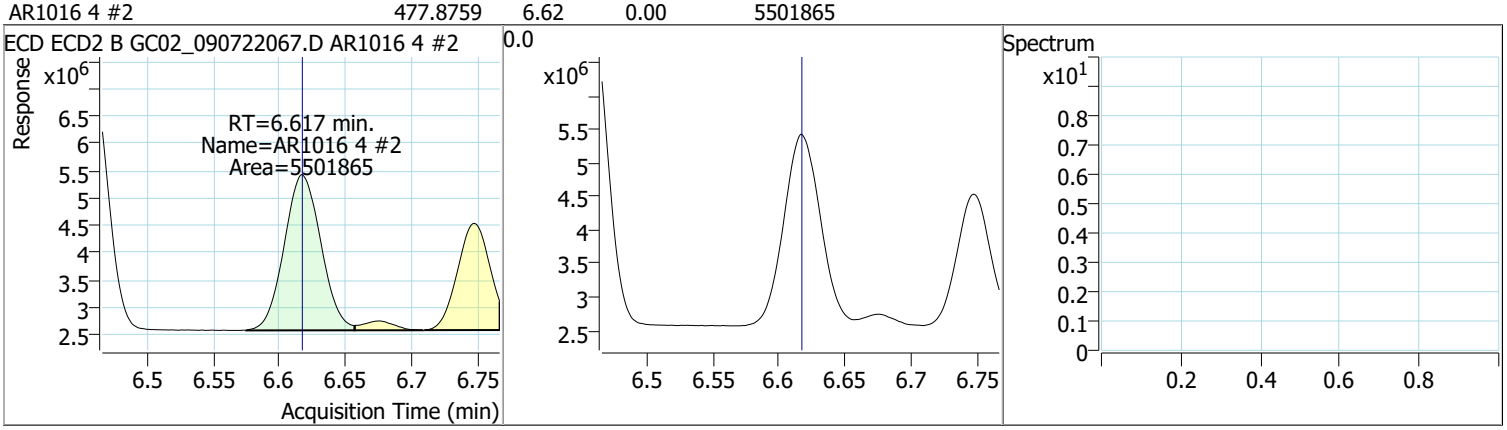
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	468.8876	6.46	0.00	71882649				



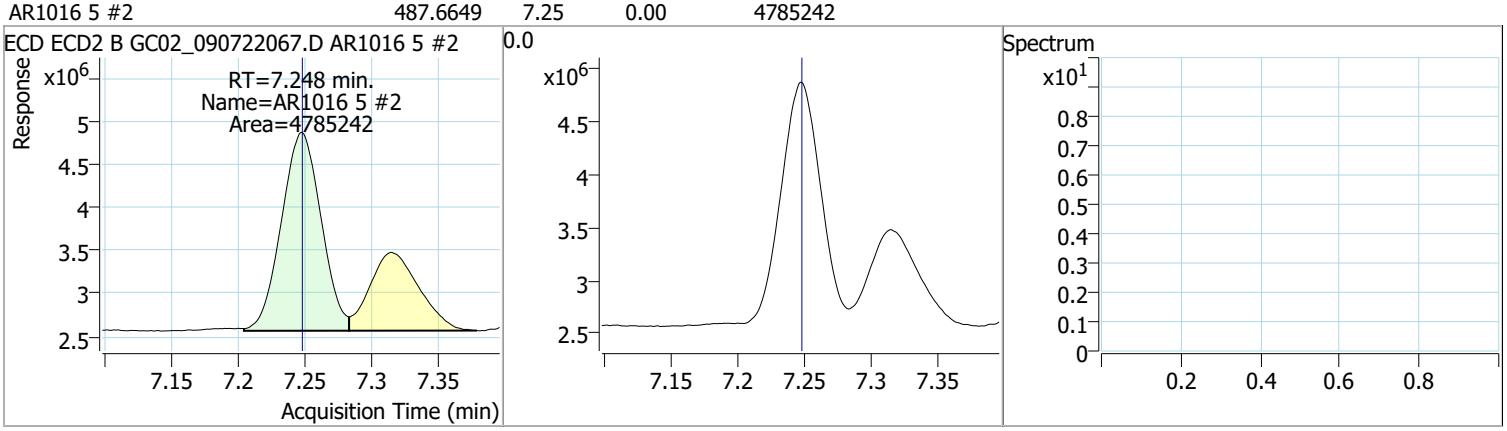
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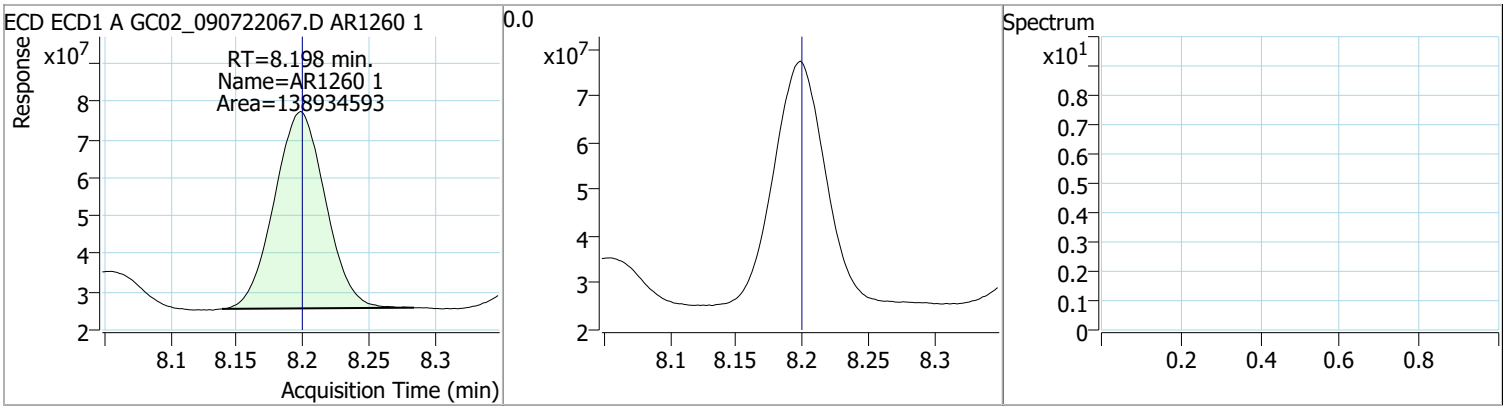
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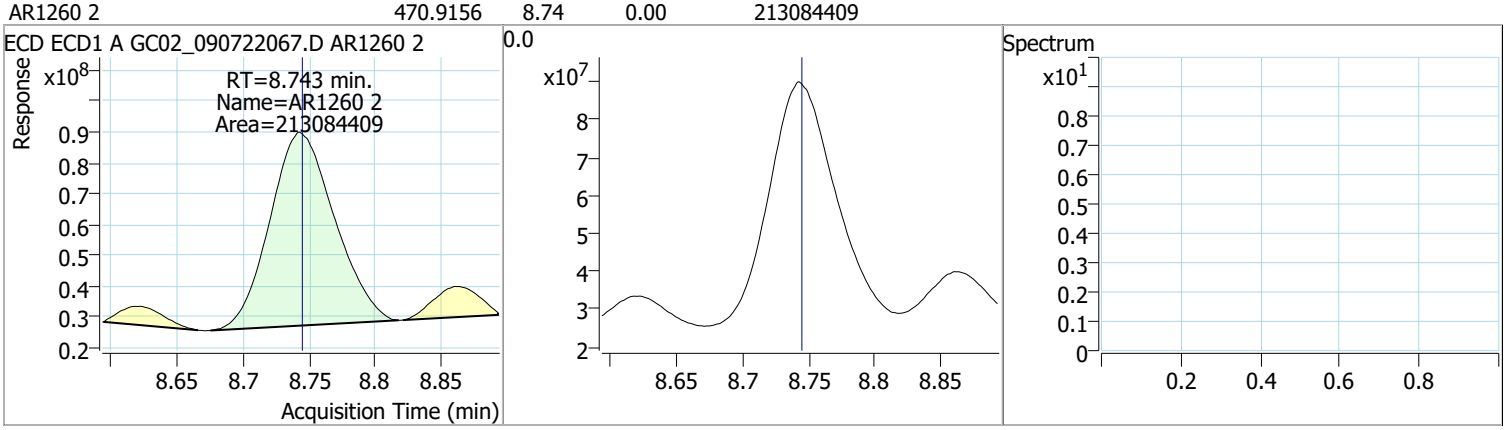
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	487.6649	7.25	0.00	4785242				



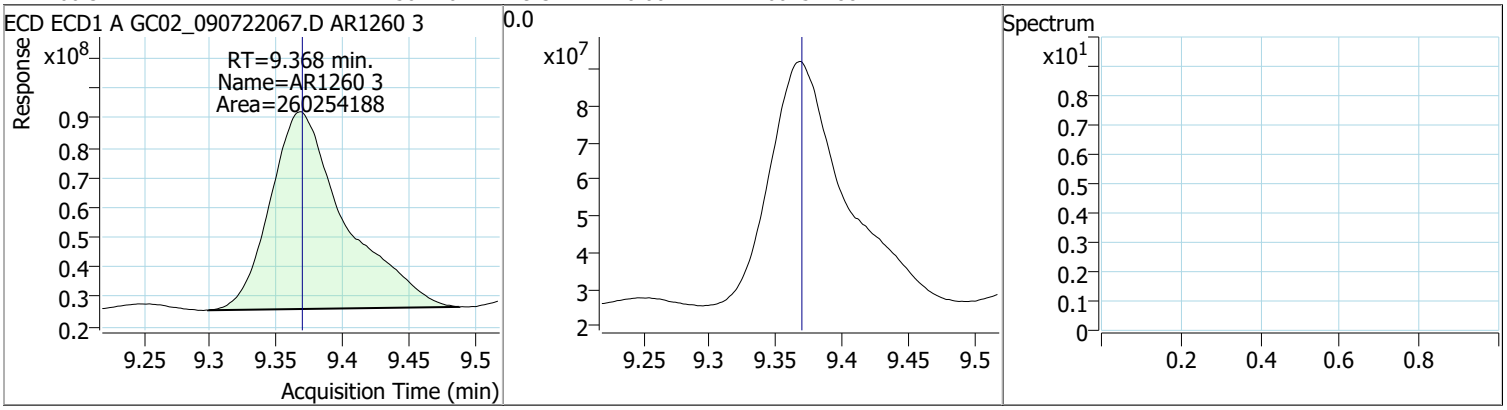
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	469.3467	8.20	0.00	138934593				



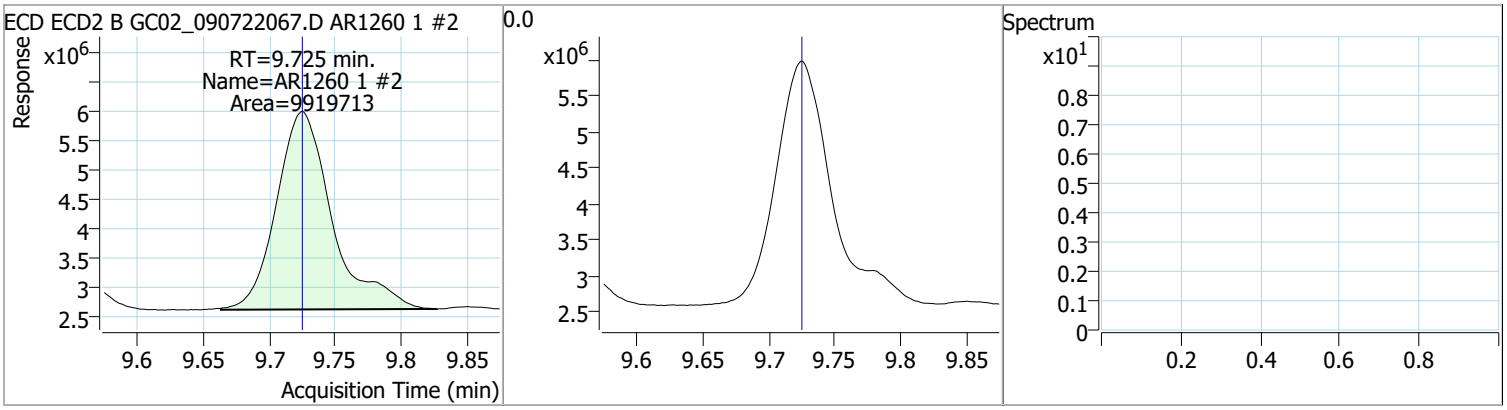
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AR1260 2	470.9156	8.74	0.00	213084409				



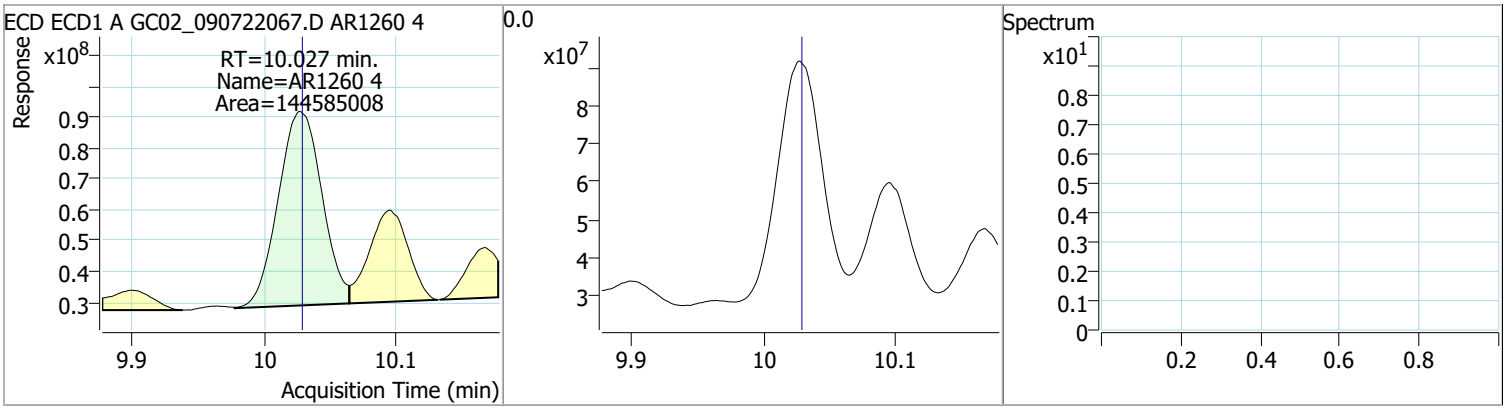
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	504.1044	9.37	0.00	260254188				



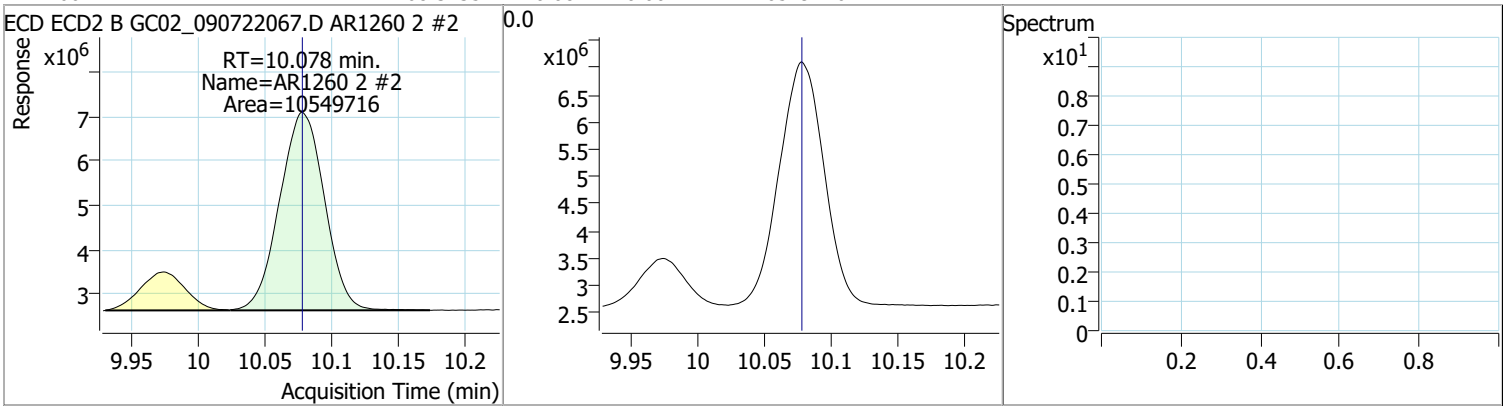
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AR1260 1 #2	496.2088	9.73	0.00	9919713				



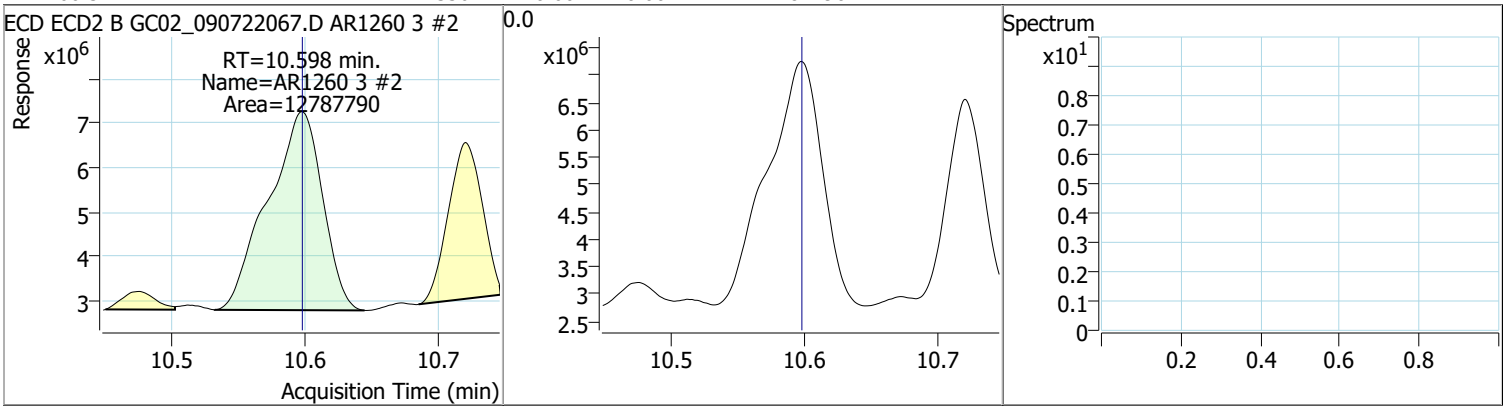
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	474.8389	10.03	0.00	144585008				



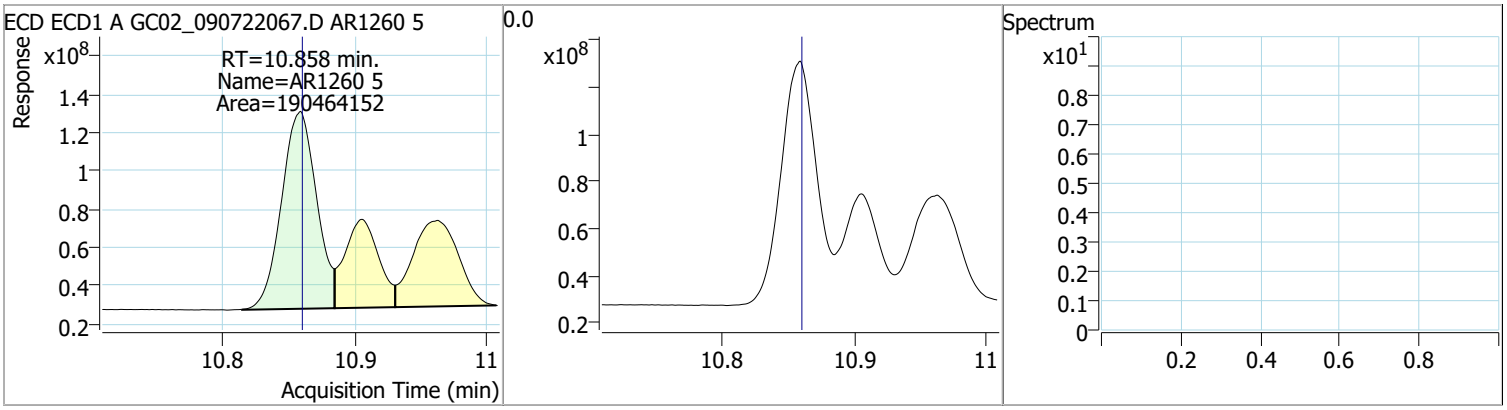
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	468.3735	10.08	0.00	10549716				



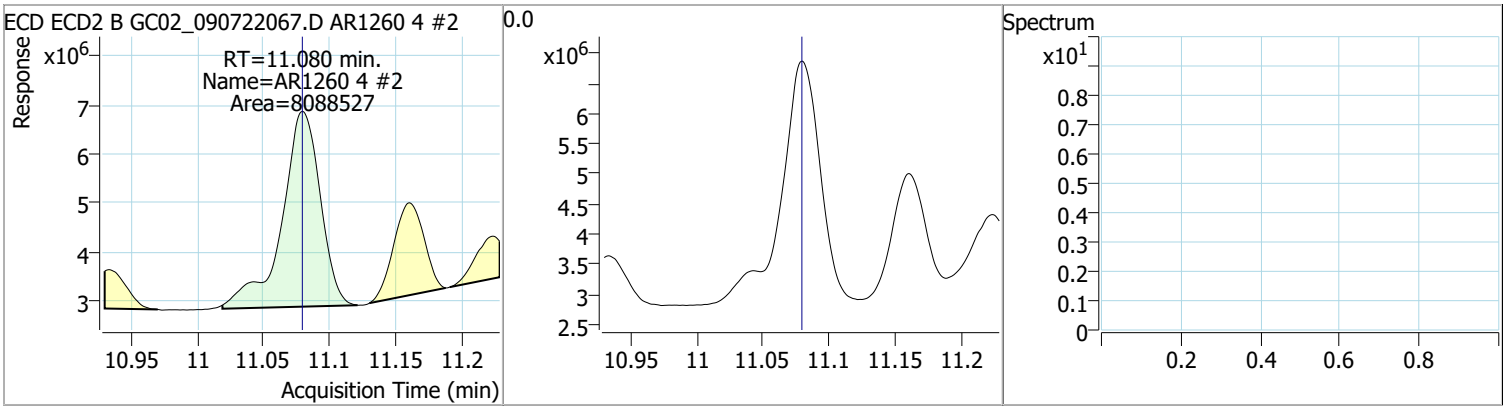
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	477.3362	10.60	0.00	12787790				



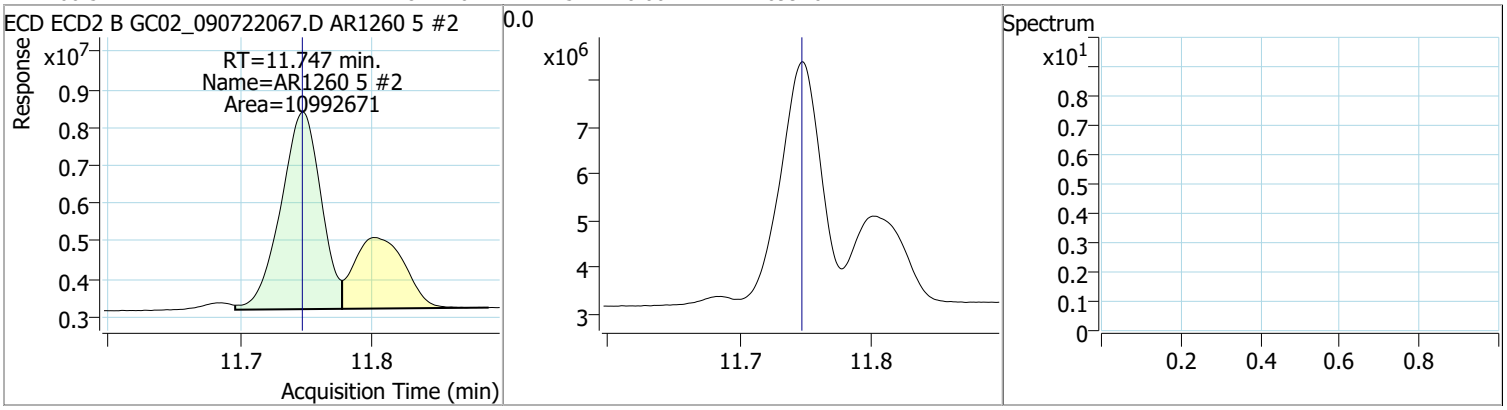
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	478.3491	10.86	0.00	190464152				



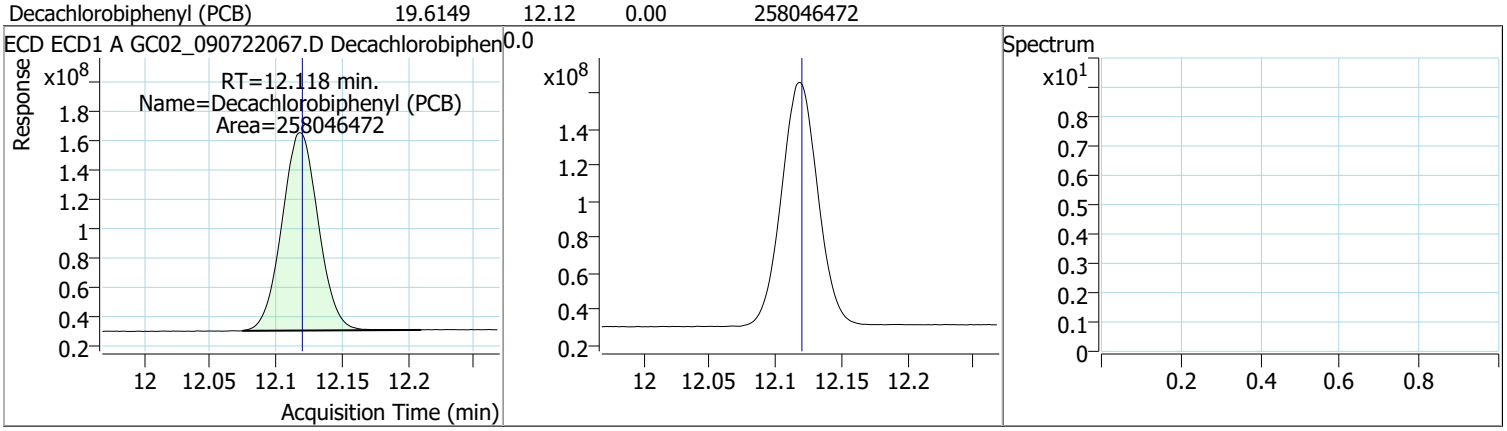
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	524.1836	11.08	0.00	8088527				



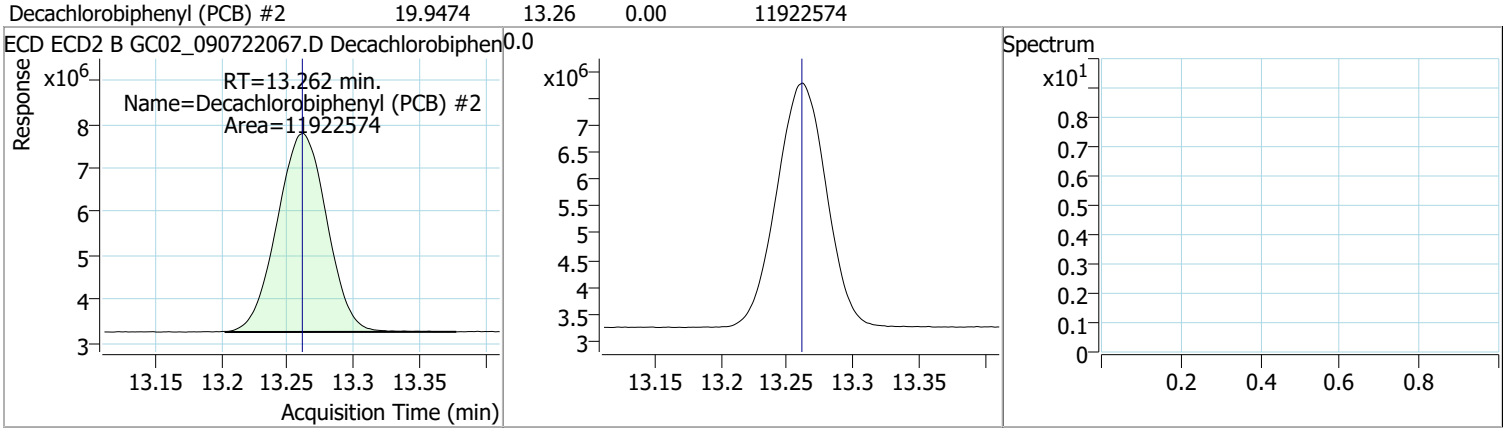
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	481.4202	11.75	0.00	10992671				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.6149	12.12	0.00	258046472				

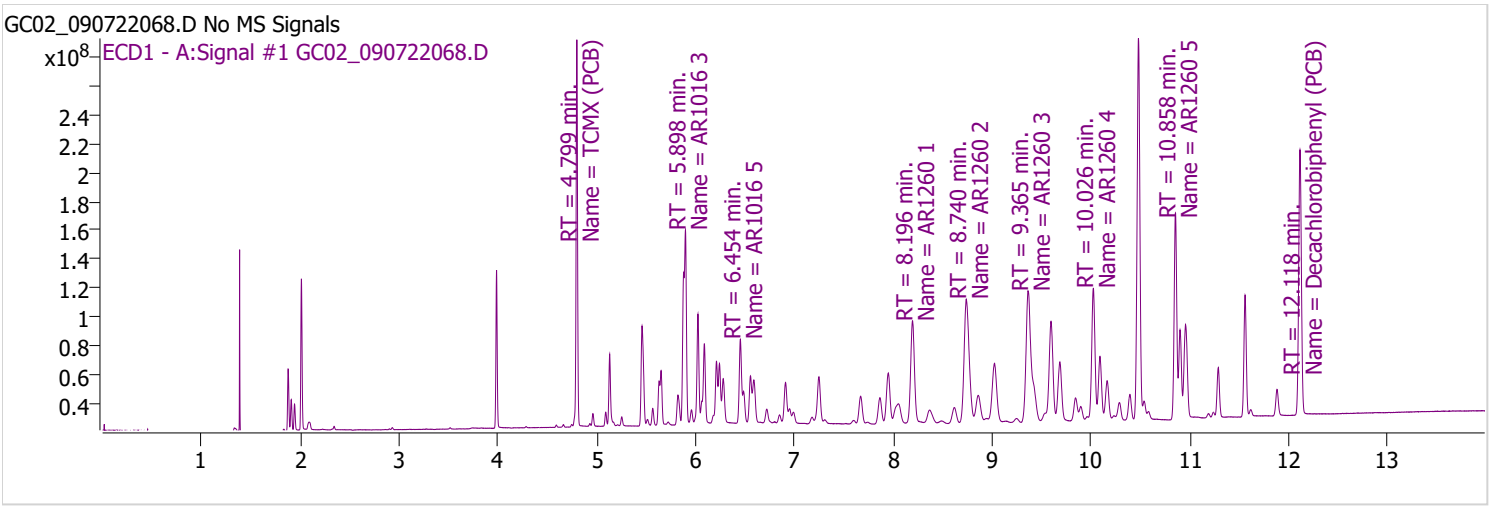


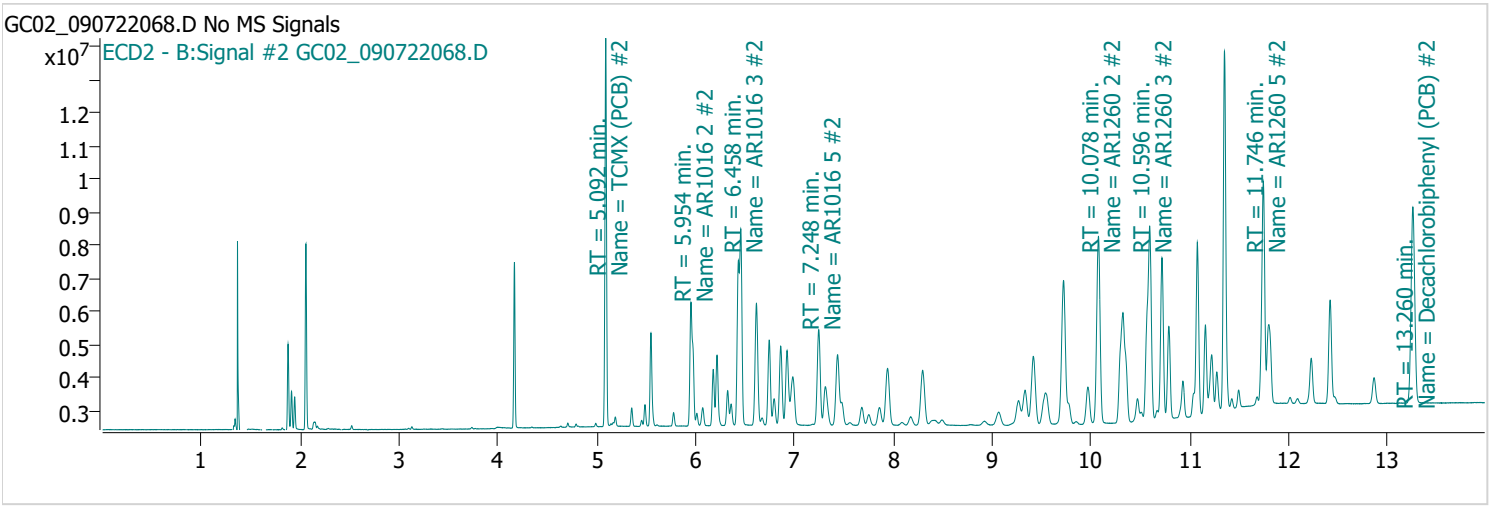
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.9474	13.26	0.00	11922574				



Quantitation Results Report (Not Reviewed)

Data File	GC02_090722068.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/7/2022 11:15:03 PM
Sample Name	ICAL, S17268	Instrument	SVOA-GC02
Vial	46	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_1.m	Comment	750PPB PCB ICAL 6
Tune File	ATUNE.U	Tune Date	
Batch Name	090722PCBICAL.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



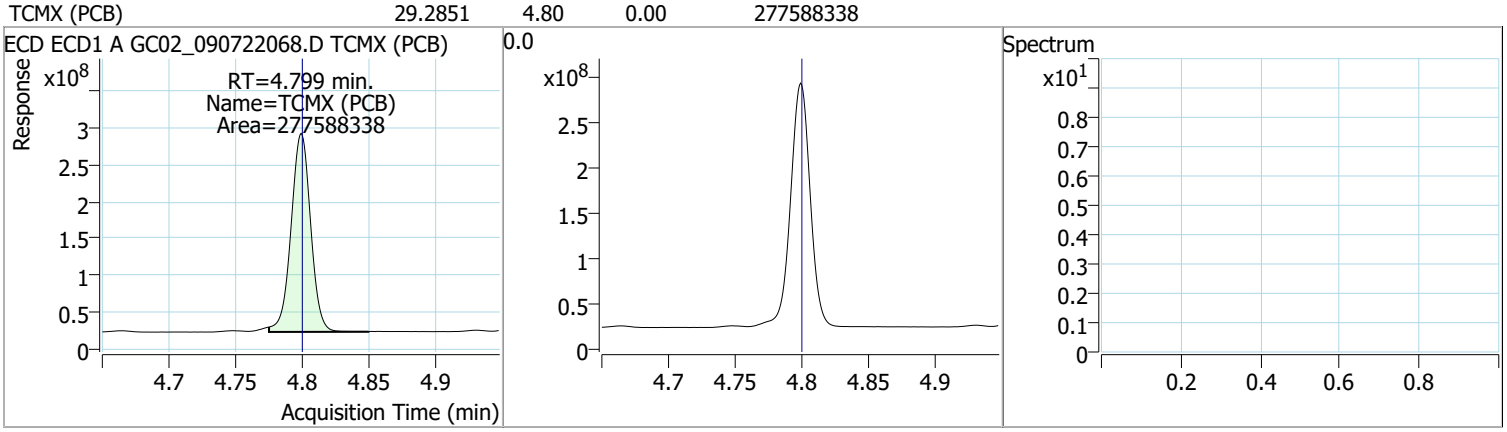


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	100194273.536	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.168	0.0	4597387.802	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.799	0.0	277588337.772	29.2851	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.43%		
S TCMX (PCB) #2	5.092	0.0	13226232.386	27.6975	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 138.49%		
S Decachlorobiphenyl (PCB)	12.118	0.0	354613906.190	29.7230	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.62%		
S Decachlorobiphenyl (PCB) #2	13.260	0.0	15415119.799	28.0005	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 140.00%		
Target Compounds						QValue

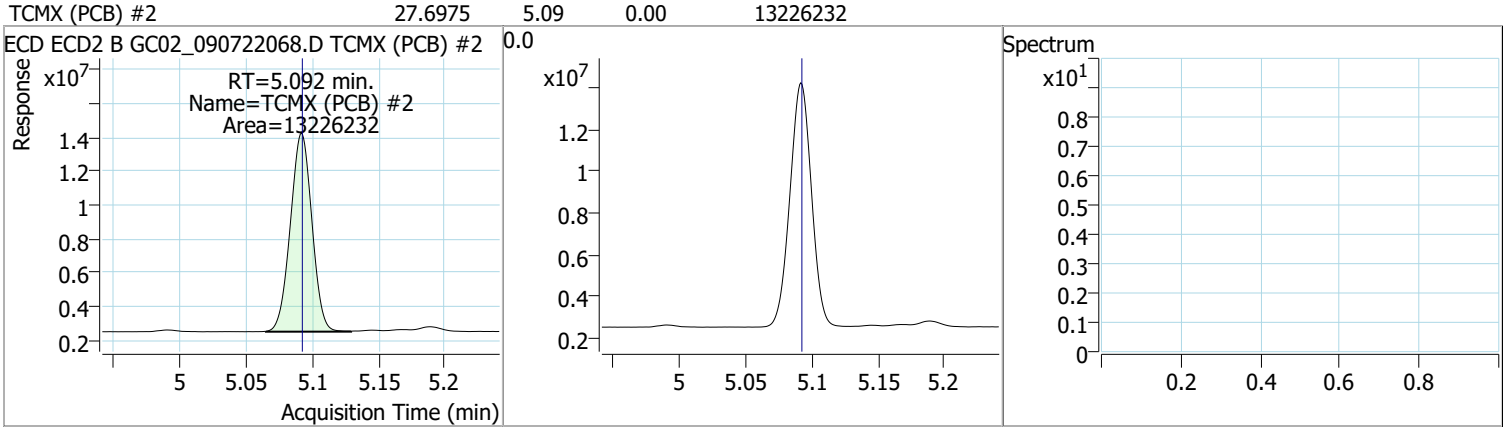
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.132	0.0	63157909.994	716.7224	ng/ml		100
T AR1016 2	5.459	0.0	118292695.205	695.3675	ng/ml		100
T AR1016 1 #2	5.549	0.0	3876138.330	667.2531	ng/ml		100
T AR1016 3	5.898	0.0	181366533.679	707.4232	ng/ml	m	100
T AR1016 2 #2	5.954	0.0	7976286.239	680.0569	ng/ml		100
T AR1016 4	6.025	0.0	104918382.451	695.0411	ng/ml		100
T AR1016 5	6.454	0.0	95184360.047	684.6350	ng/ml		100
T AR1016 3 #2	6.458	0.0	9701844.251	682.2853	ng/ml	m	100
T AR1016 4 #2	6.617	0.0	7079860.424	667.6258	ng/ml		100
T AR1016 5 #2	7.248	0.0	6201086.447	686.1019	ng/ml		100
T AR1260 1	8.196	0.0	187117549.504	697.0223	ng/ml		100
T AR1260 2	8.740	0.0	288634235.383	703.3767	ng/ml		100
T AR1260 3	9.365	0.0	308724728.907	648.0579	ng/ml		100
T AR1260 1 #2	9.725	0.0	12770352.879	693.5400	ng/ml		100
T AR1260 4	10.026	0.0	199058591.583	720.8630	ng/ml		100
T AR1260 2 #2	10.078	0.0	13426400.442	647.1641	ng/ml		100
T AR1260 3 #2	10.596	0.0	16496816.292	668.5475	ng/ml		100
T AR1260 5	10.858	0.0	262291666.374	726.3819	ng/ml		100
T AR1260 4 #2	11.078	0.0	9979192.974	702.1222	ng/ml		100
T AR1260 5 #2	11.746	0.0	14305871.876	680.2032	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

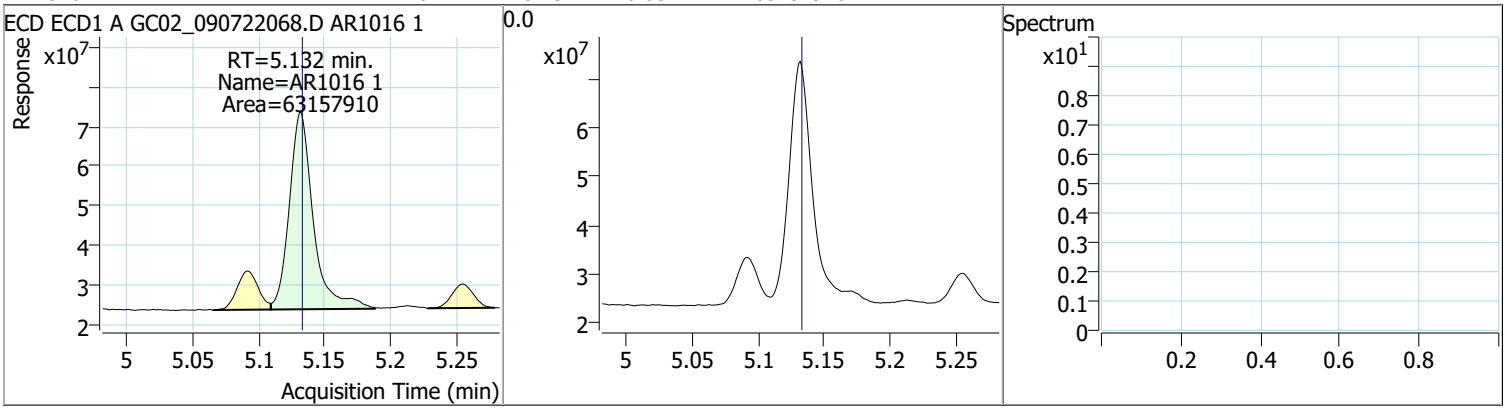
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	29.2851	4.80	0.00	277588338				



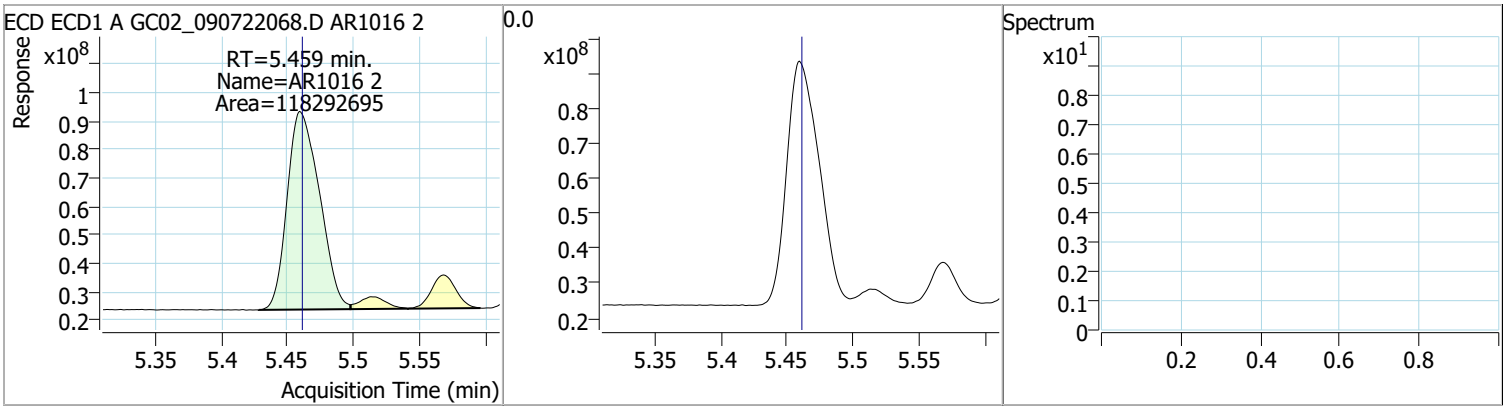
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	27.6975	5.09	0.00	13226232				



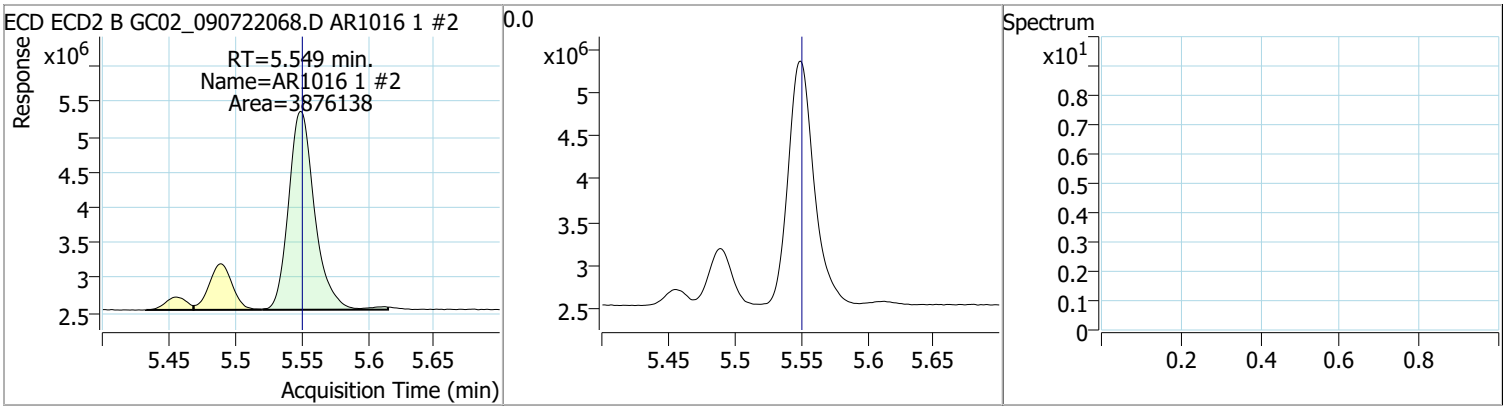
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	716.7224	5.13	0.00	63157910				



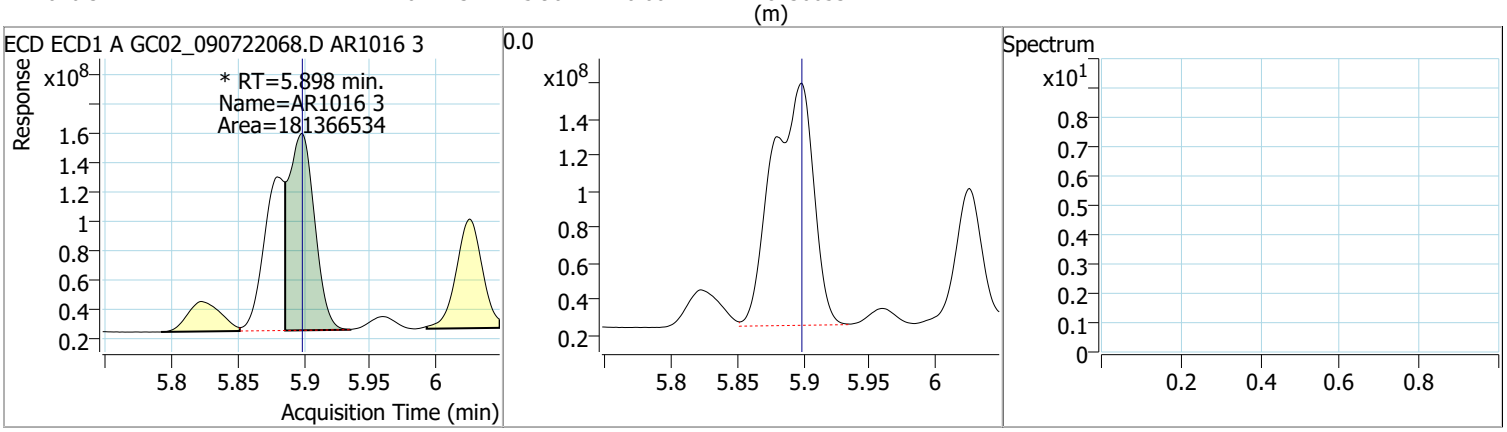
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	695.3675	5.46	0.00	118292695				



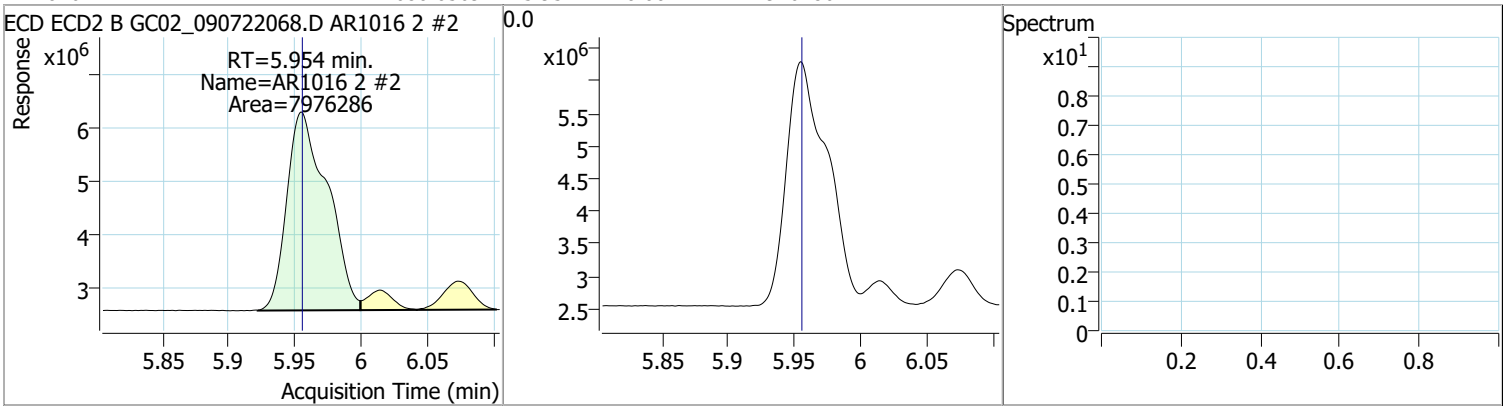
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	667.2531	5.55	0.00	3876138				



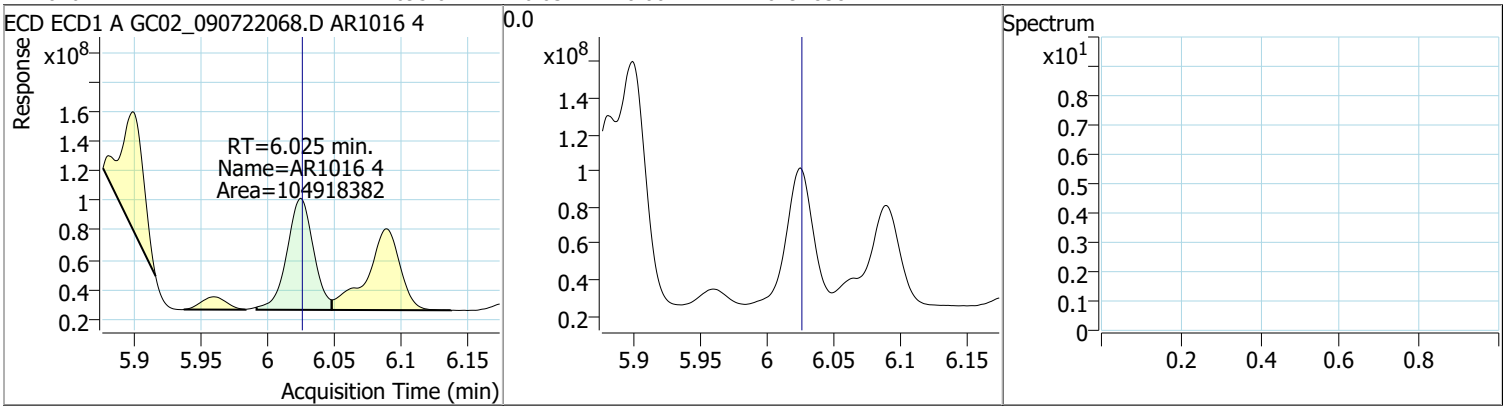
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	707.4232	5.90	0.00	181366534 (m)				



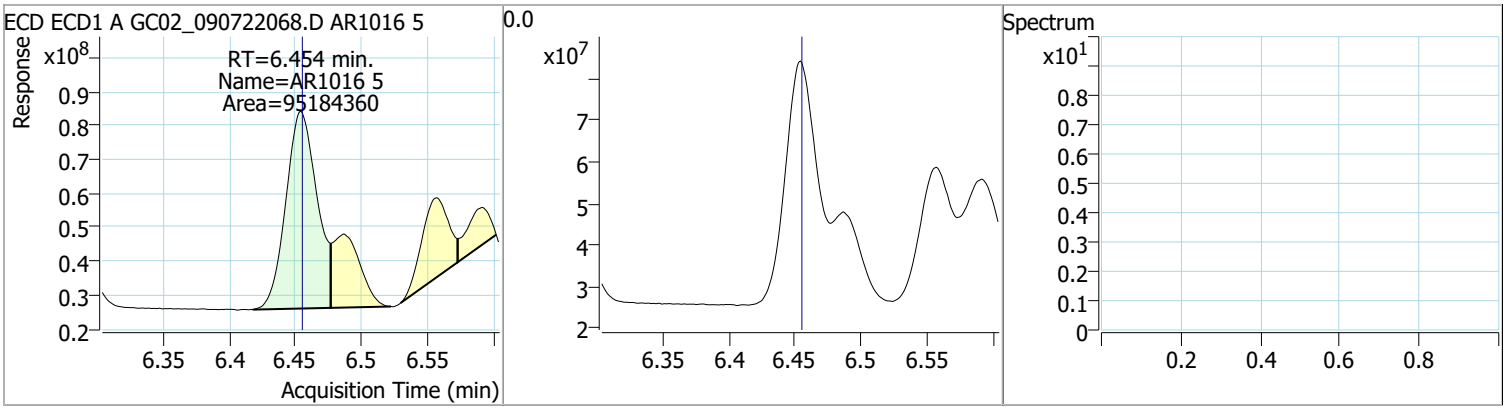
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	680.0569	5.95	0.00	7976286				



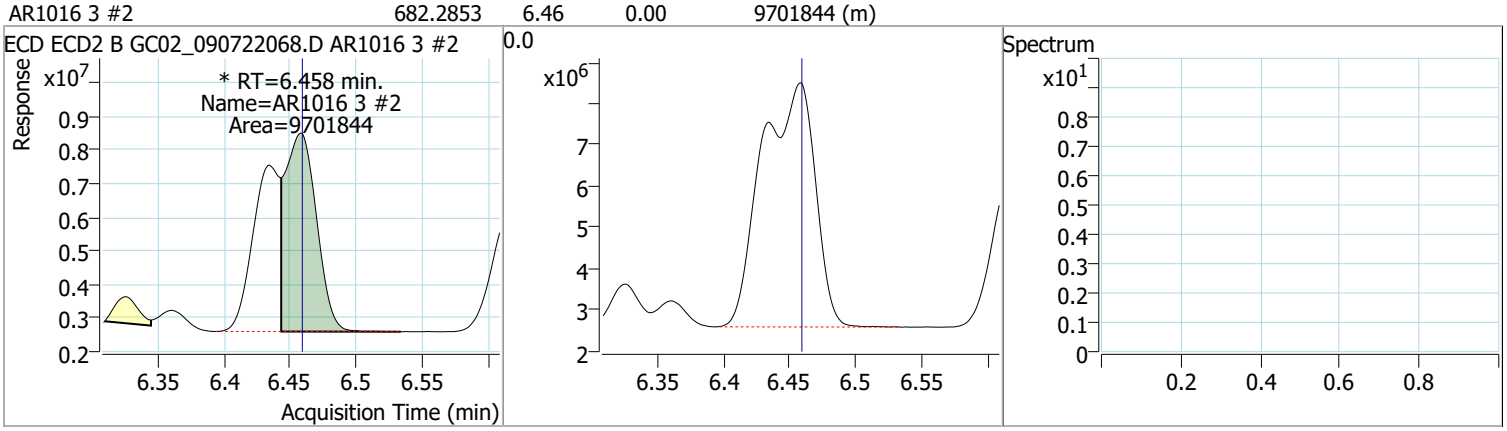
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	695.0411	6.03	0.00	104918382				



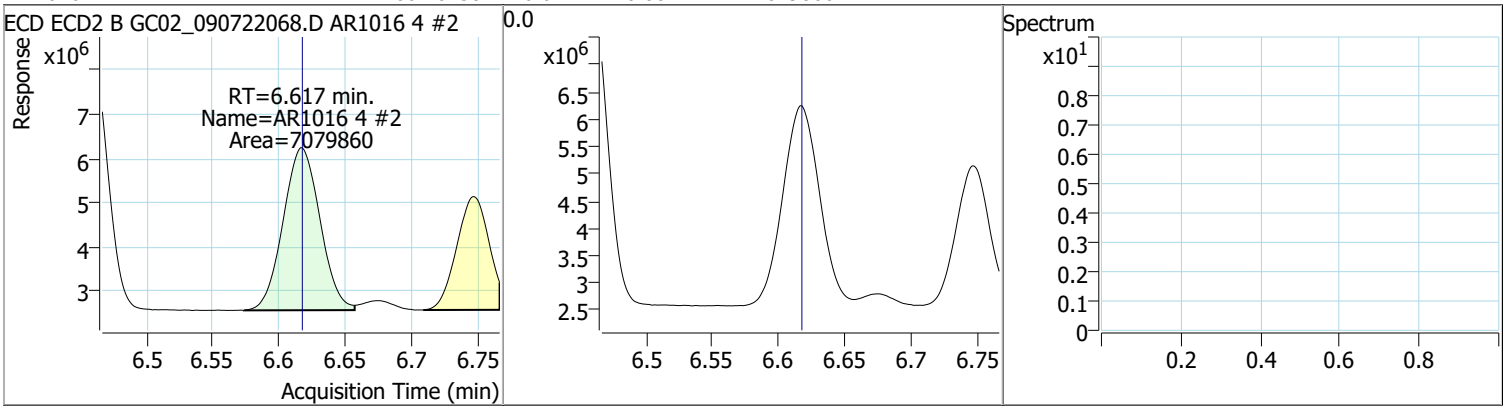
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	684.6350	6.45	0.00	95184360				



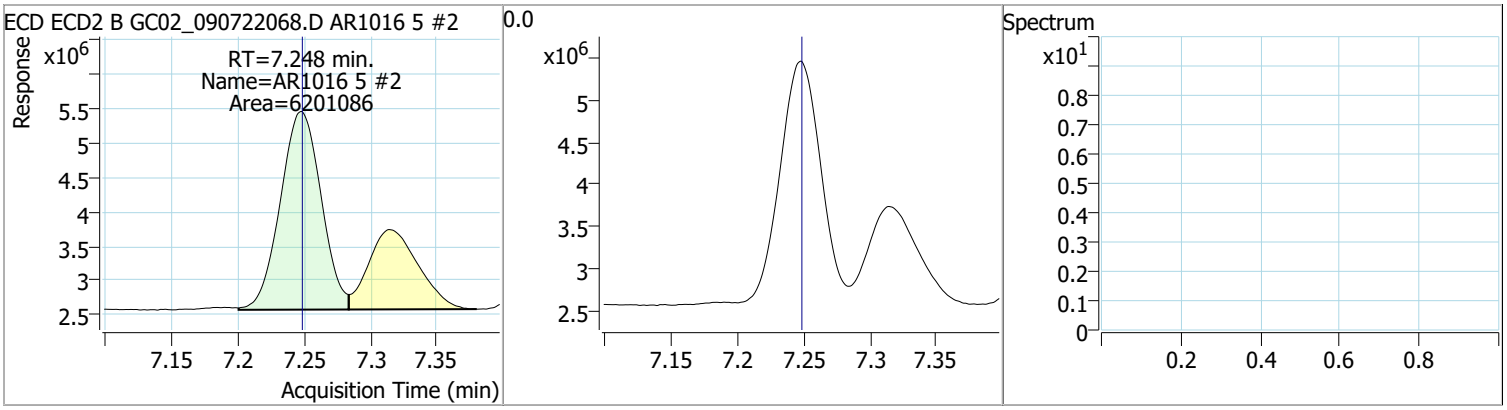
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	682.2853	6.46	0.00	9701844 (m)				



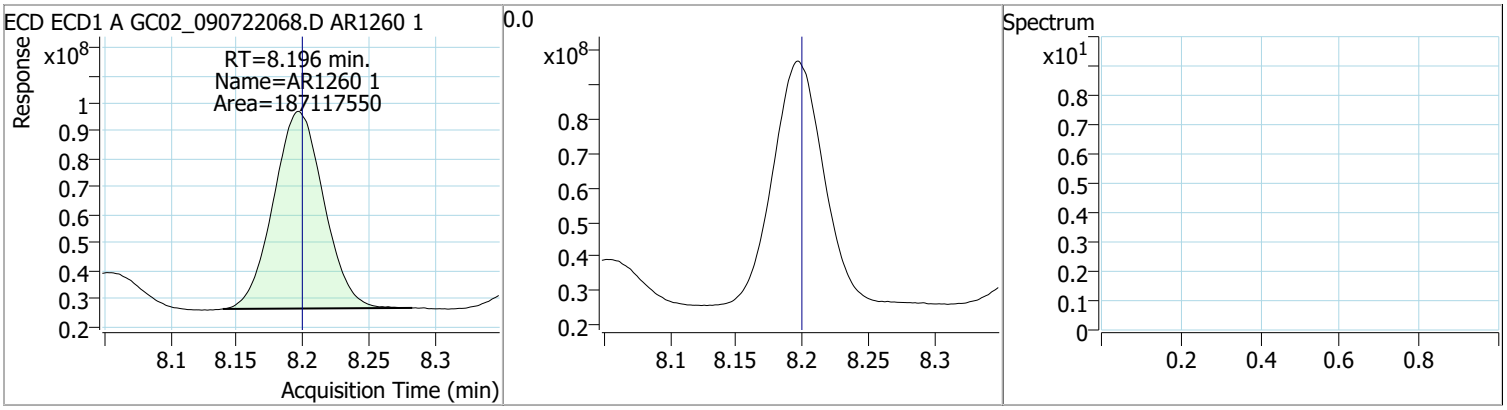
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	667.6258	6.62	0.00	7079860				



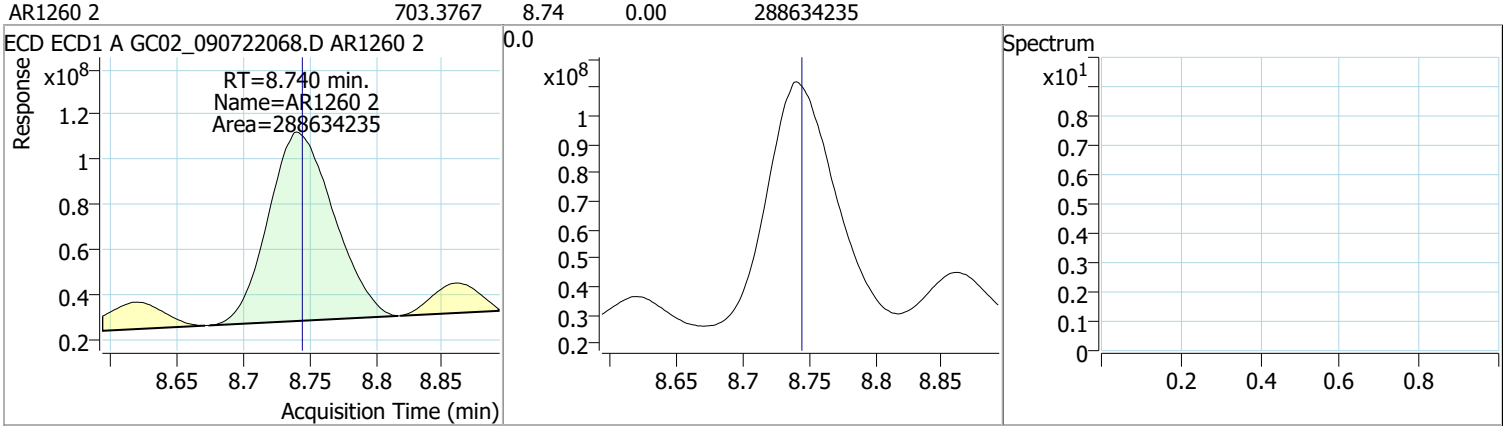
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	686.1019	7.25	0.00	6201086				



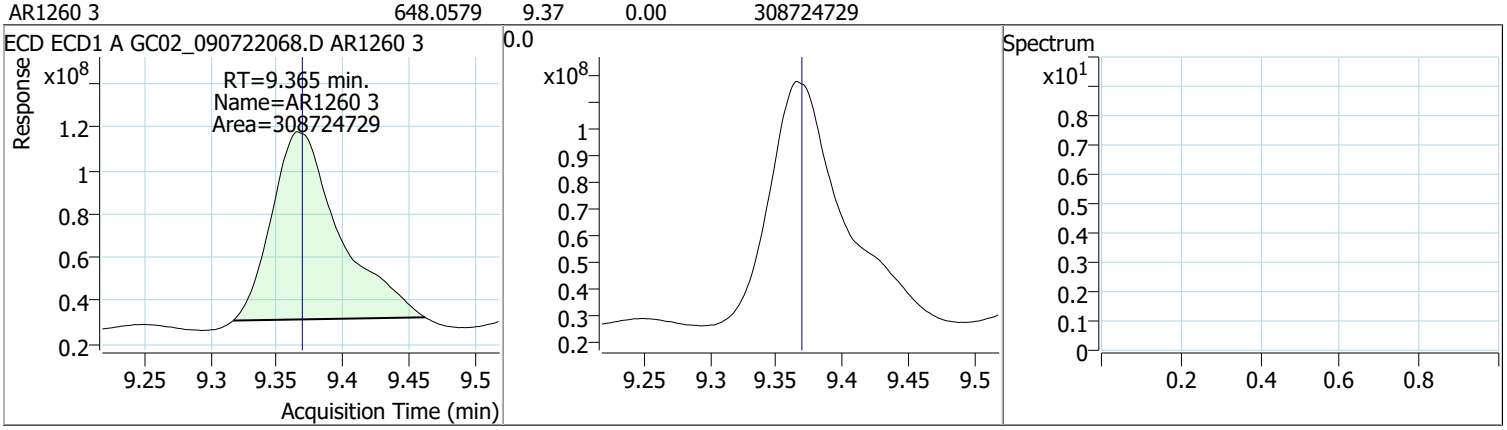
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	697.0223	8.20	0.00	187117550				



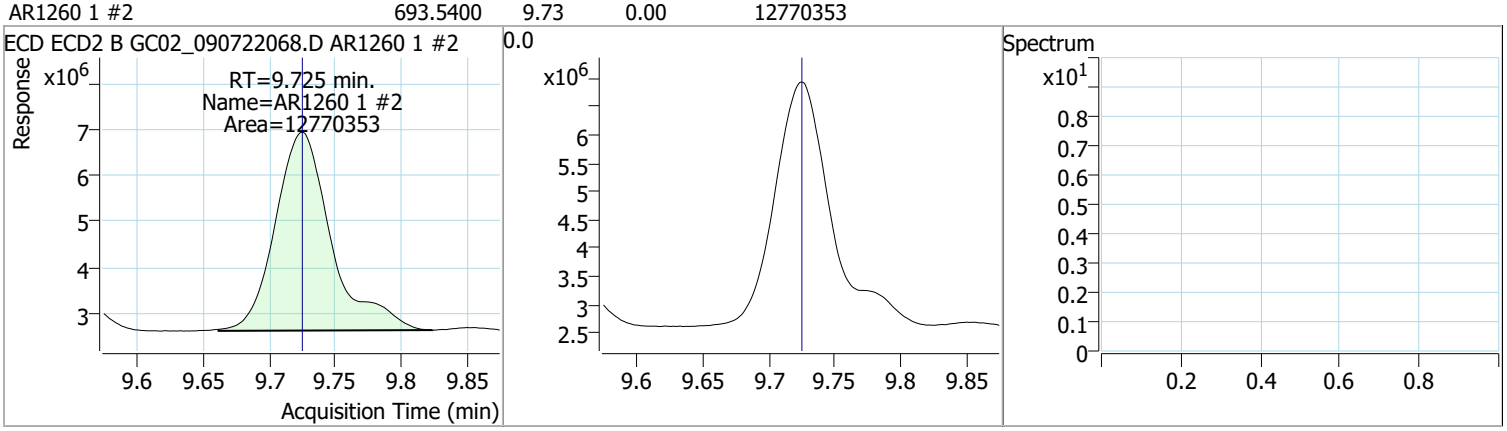
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	703.3767	8.74	0.00	288634235				



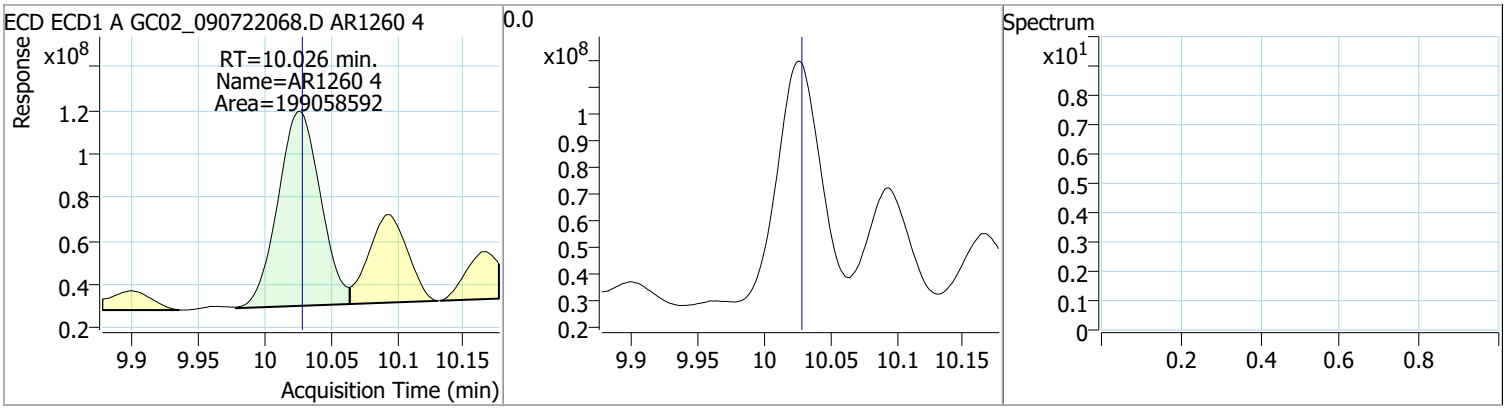
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	648.0579	9.37	0.00	308724729				



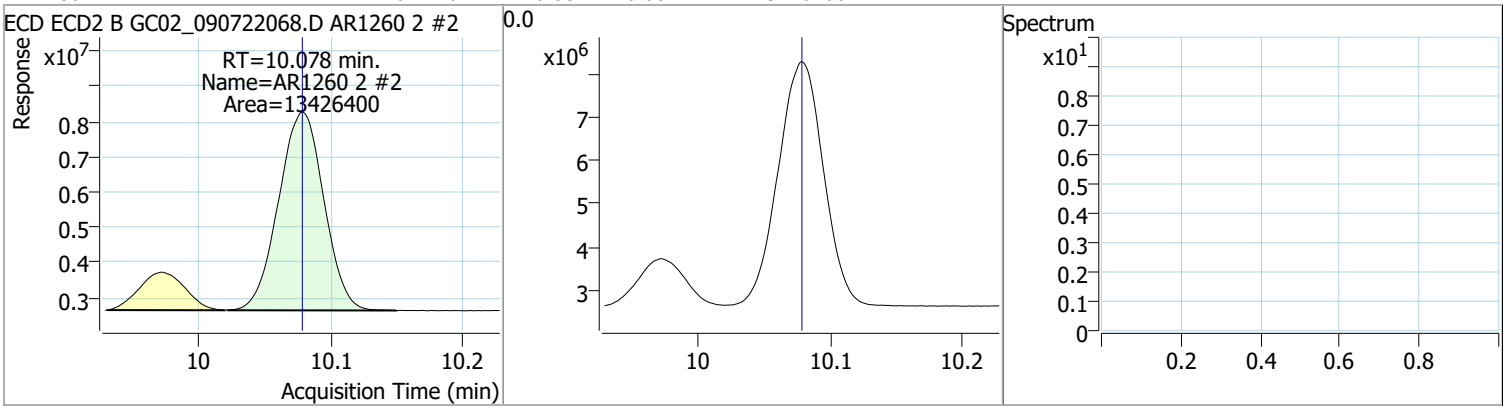
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	693.5400	9.73	0.00	12770353				



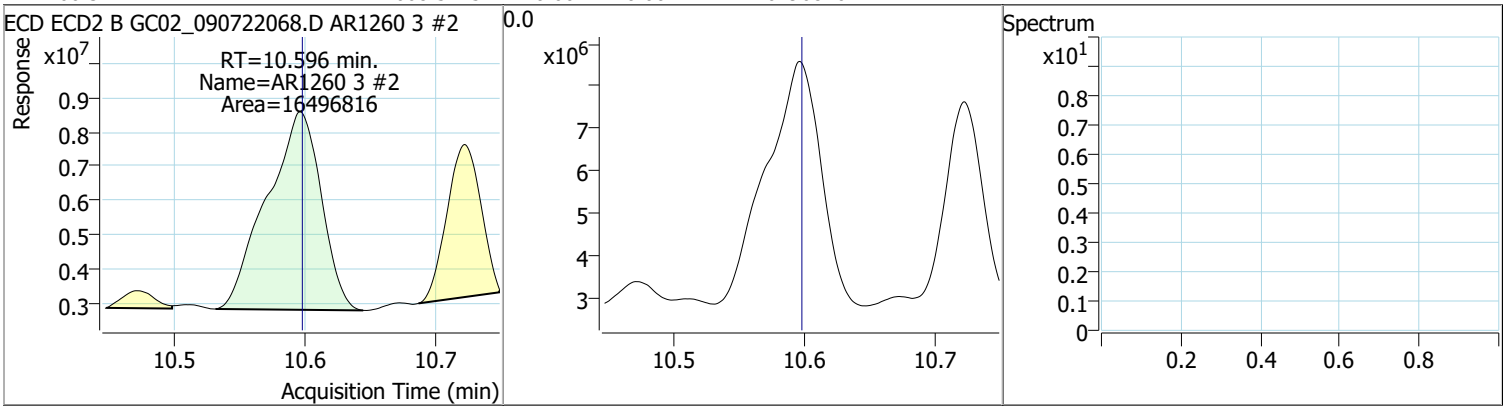
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	720.8630	10.03	0.00	199058592				



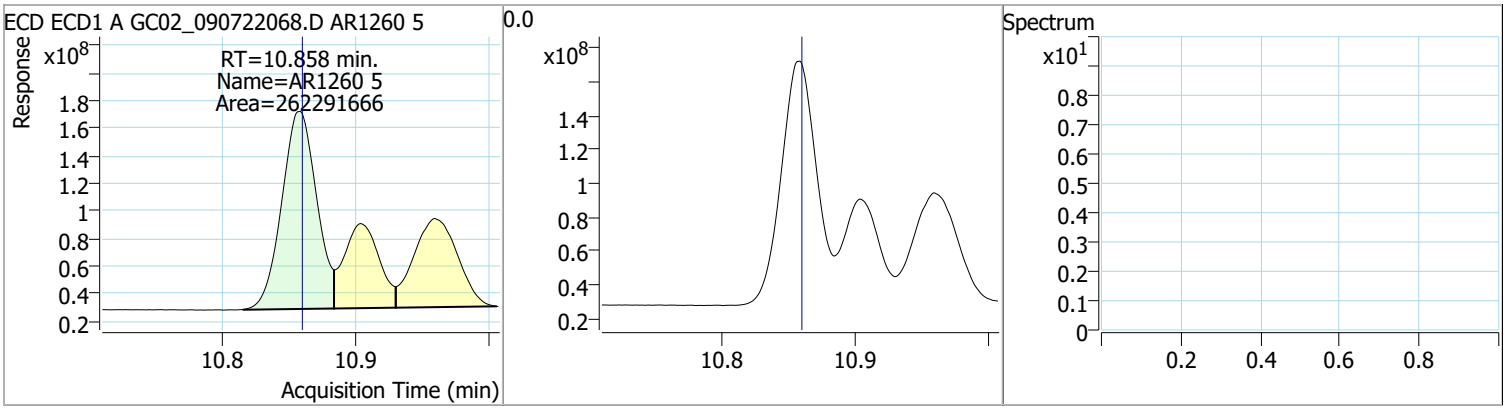
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	647.1641	10.08	0.00	13426400				



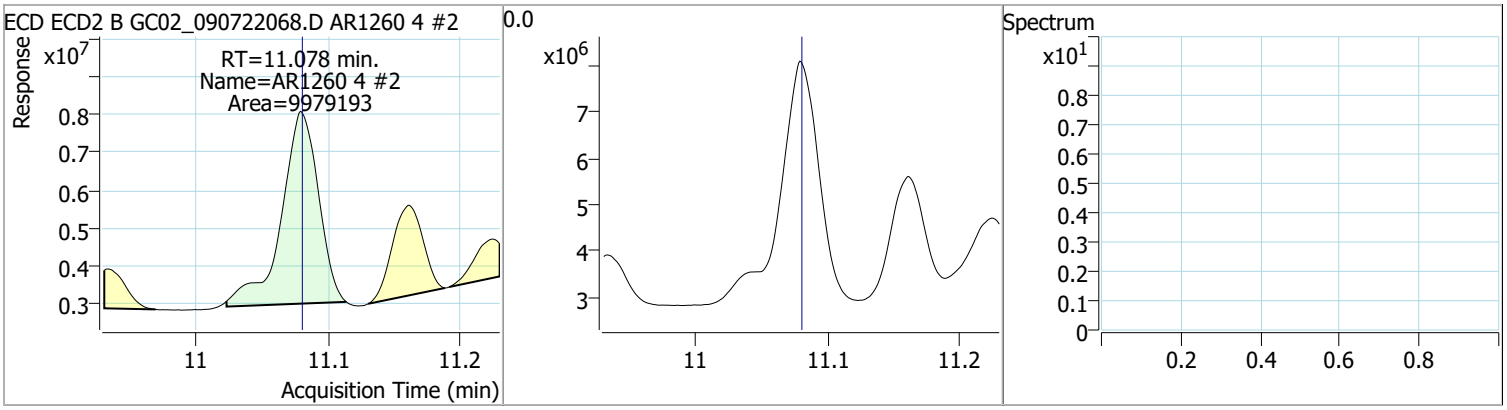
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	668.5475	10.60	0.00	16496816				



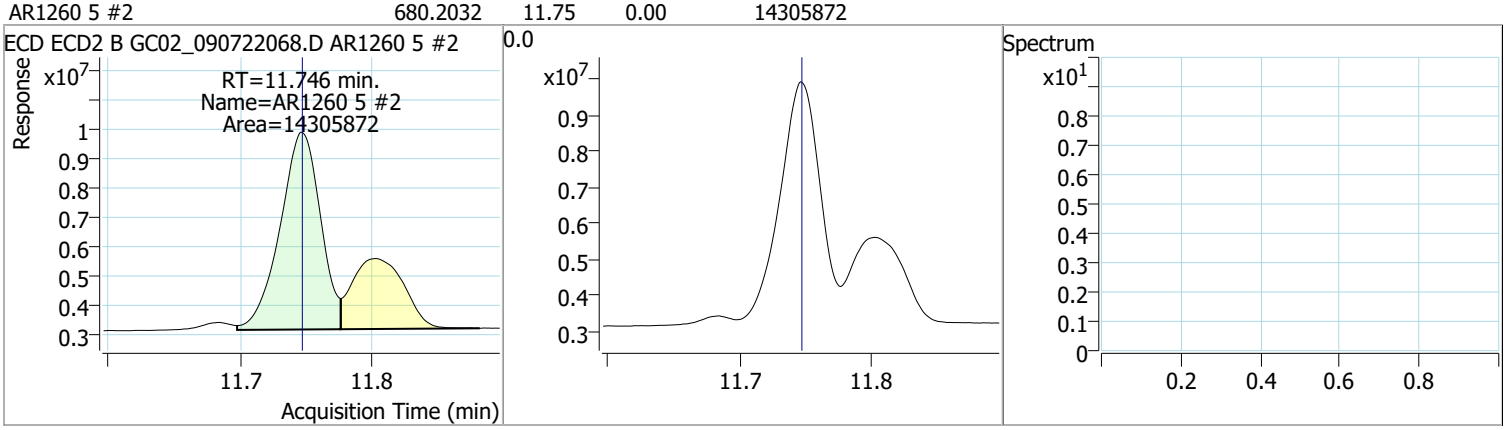
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	726.3819	10.86	0.00	262291666				



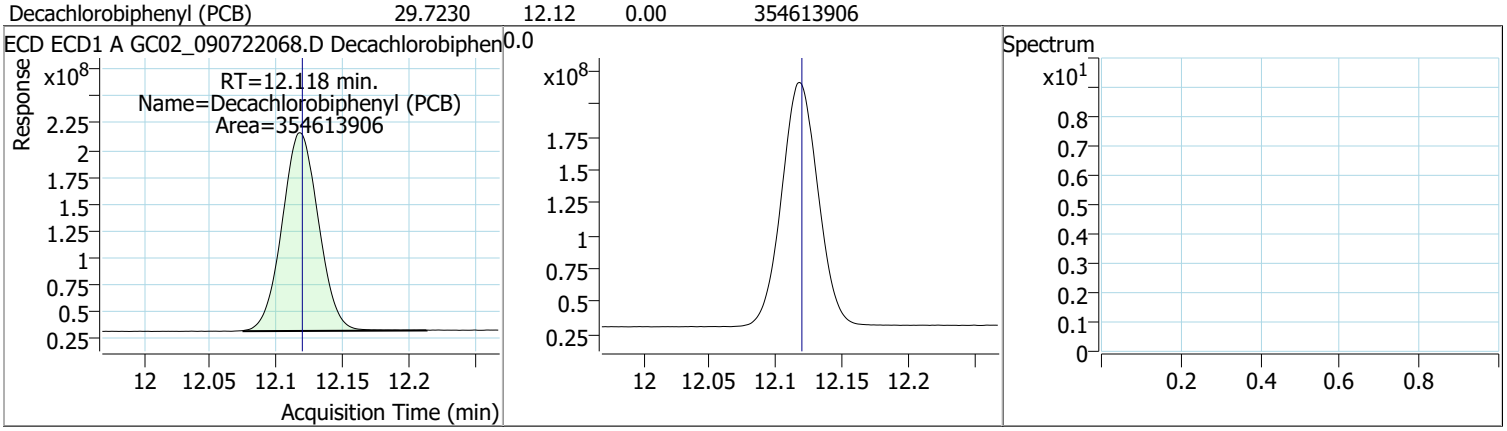
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	702.1222	11.08	0.00	9979193				



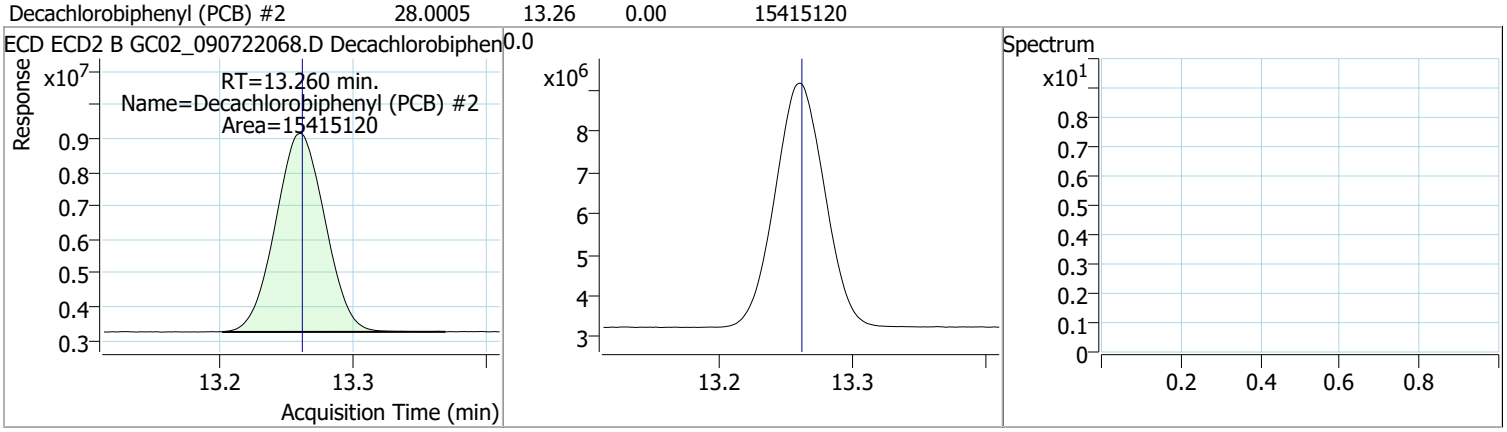
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	680.2032	11.75	0.00	14305872				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.7230	12.12	0.00	354613906				

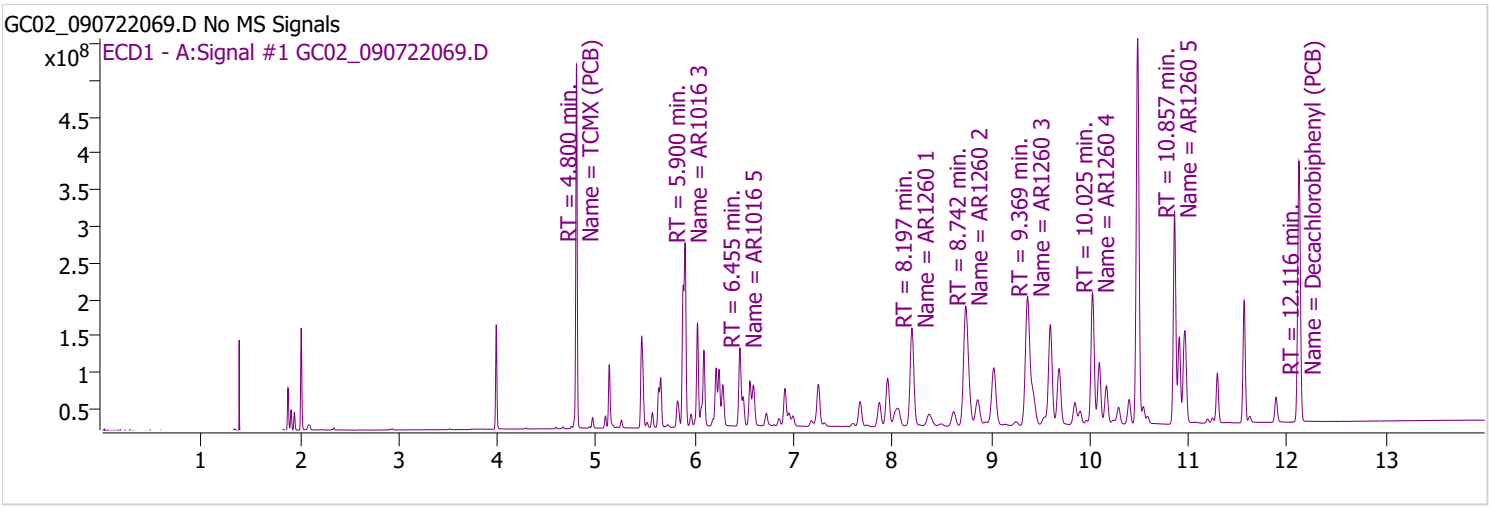


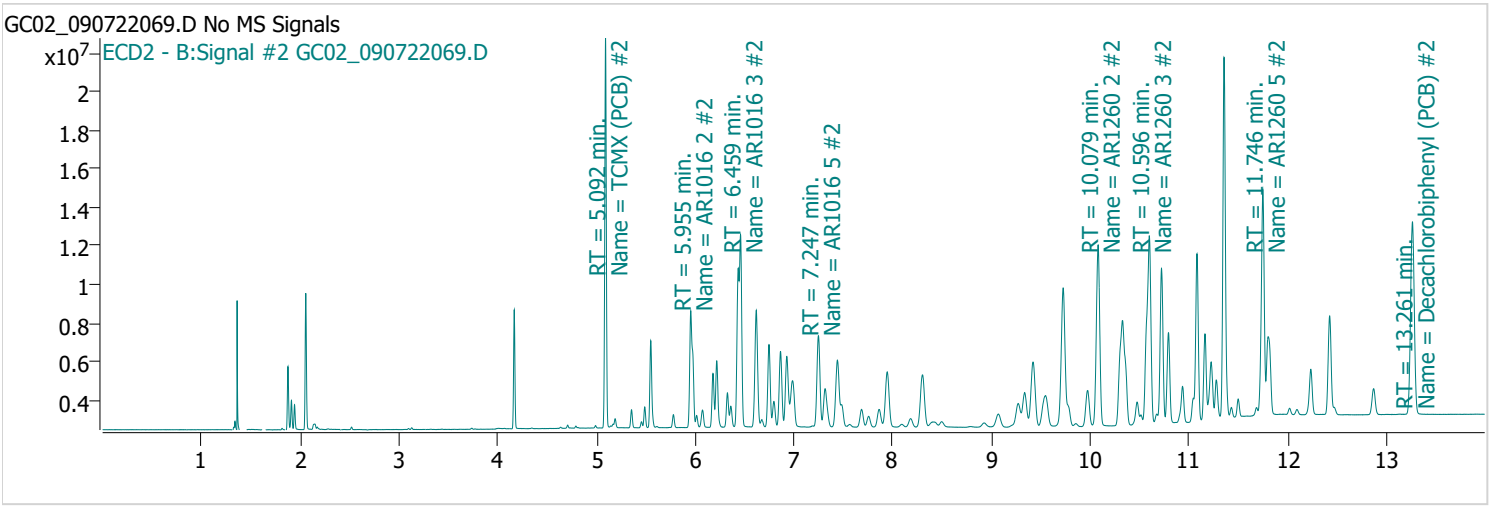
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.0005	13.26	0.00	15415120				



Quantitation Results Report (Not Reviewed)

Data File	GC02_090722069.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/7/2022 11:32:56 PM
Sample Name	ICAL, S17269	Instrument	SVOA-GC02
Vial	47	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_1.m	Comment	1000PPB PCB ICAL 7
Tune File	ATUNE.U	Tune Date	
Batch Name	090722PCBICAL.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



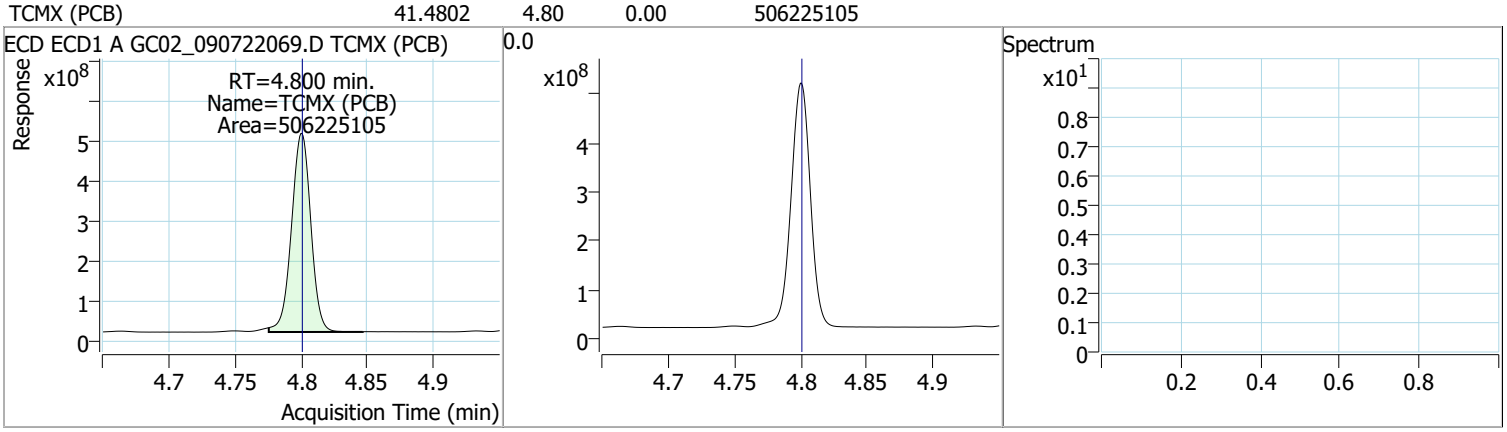


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.988	0.0	129000616.262	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.168	0.0	5727467.147	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.800	0.0	506225105.131	41.4802	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 207.40%		*	
S TCMX (PCB) #2	5.092	0.0	22542518.741	37.8926	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.46%		*	
S Decachlorobiphenyl (PCB)	12.116	0.0	687584897.049	44.7625	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 223.81%		*	
S Decachlorobiphenyl (PCB) #2	13.261	0.0	26365268.935	38.4414	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.21%		*	
Target Compounds							QValue

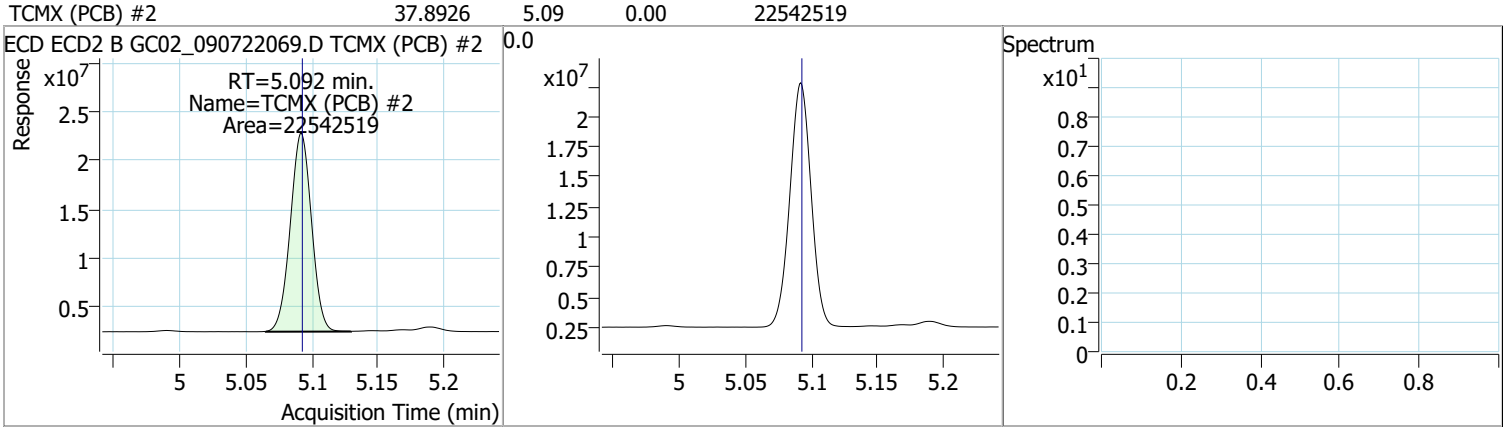
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.131	0.0	107781495.578	949.9889	ng/ml		100
T AR1016 2	5.460	0.0	209908549.235	958.3799	ng/ml		100
T AR1016 1 #2	5.550	0.0	6250924.603	863.7421	ng/ml		100
T AR1016 3	5.900	0.0	329147463.055	997.1575	ng/ml	m	100
T AR1016 2 #2	5.955	0.0	13053101.946	893.3195	ng/ml		100
T AR1016 4	6.025	0.0	192708238.158	991.5402	ng/ml		100
T AR1016 5	6.455	0.0	175716221.560	981.6495	ng/ml		100
T AR1016 3 #2	6.459	0.0	16279522.433	918.9713	ng/ml	m	100
T AR1016 4 #2	6.618	0.0	11712859.169	886.5839	ng/ml		100
T AR1016 5 #2	7.247	0.0	10256342.725	910.8815	ng/ml		100
T AR1260 1	8.197	0.0	348584463.776	1008.5357	ng/ml		100
T AR1260 2	8.742	0.0	543312711.158	1028.3504	ng/ml		100
T AR1260 3	9.369	0.0	575735150.176	922.1787	ng/ml		100
T AR1260 1 #2	9.725	0.0	21279524.656	927.6391	ng/ml		100
T AR1260 4	10.025	0.0	386967319.472	1088.4218	ng/ml		100
T AR1260 2 #2	10.079	0.0	22490091.025	870.1509	ng/ml		100
T AR1260 3 #2	10.596	0.0	27688222.634	900.6908	ng/ml		100
T AR1260 5	10.857	0.0	512239713.615	1101.8053	ng/ml		100
T AR1260 4 #2	11.080	0.0	17774057.631	1003.8120	ng/ml		100
T AR1260 5 #2	11.746	0.0	24378282.348	930.4134	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

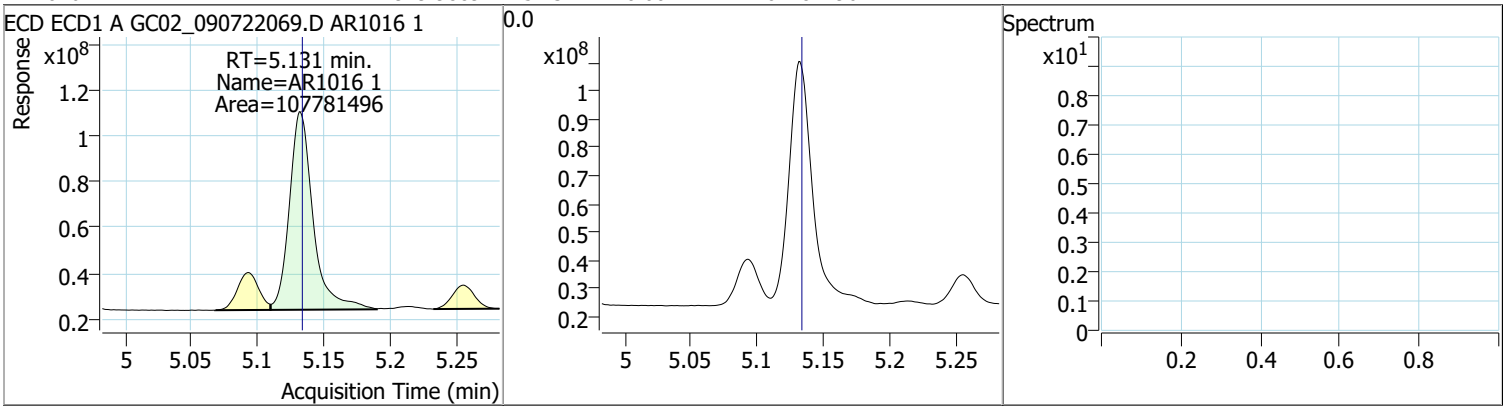
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.4802	4.80	0.00	506225105				



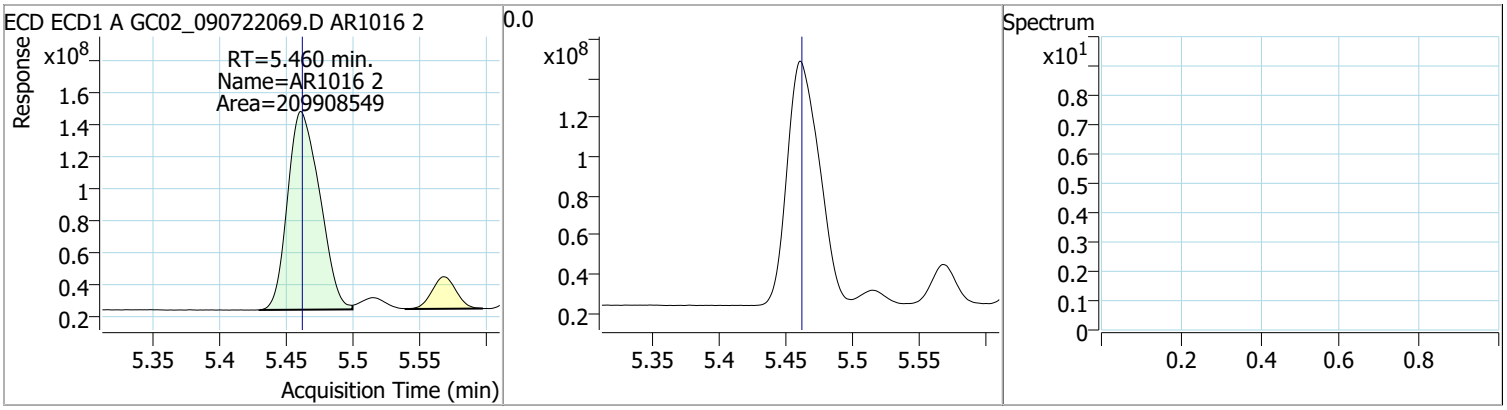
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TCMX (PCB) #2	37.8926	5.09	0.00	22542519				



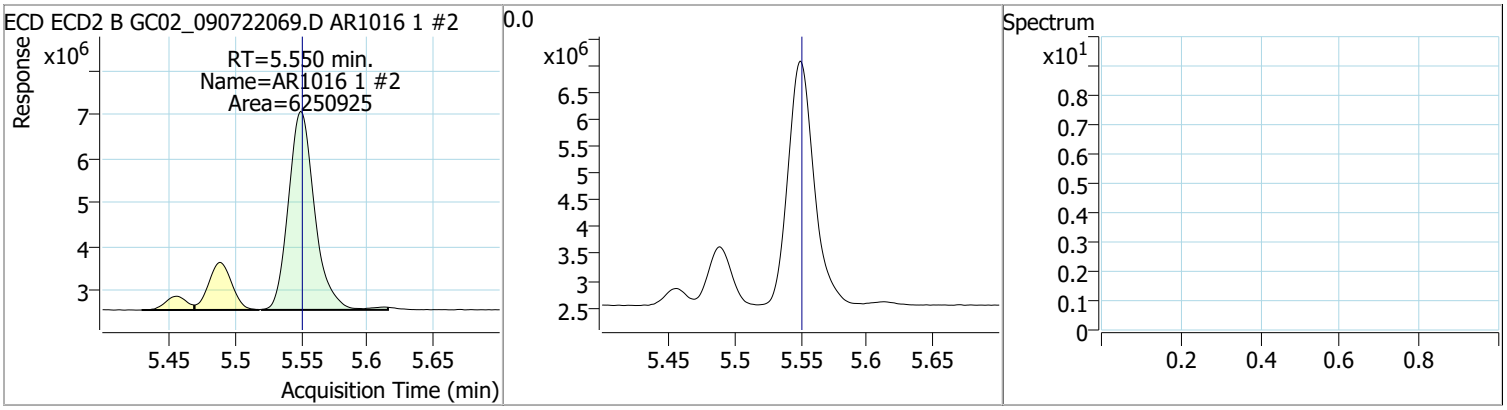
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	949.9889	5.13	0.00	107781496				



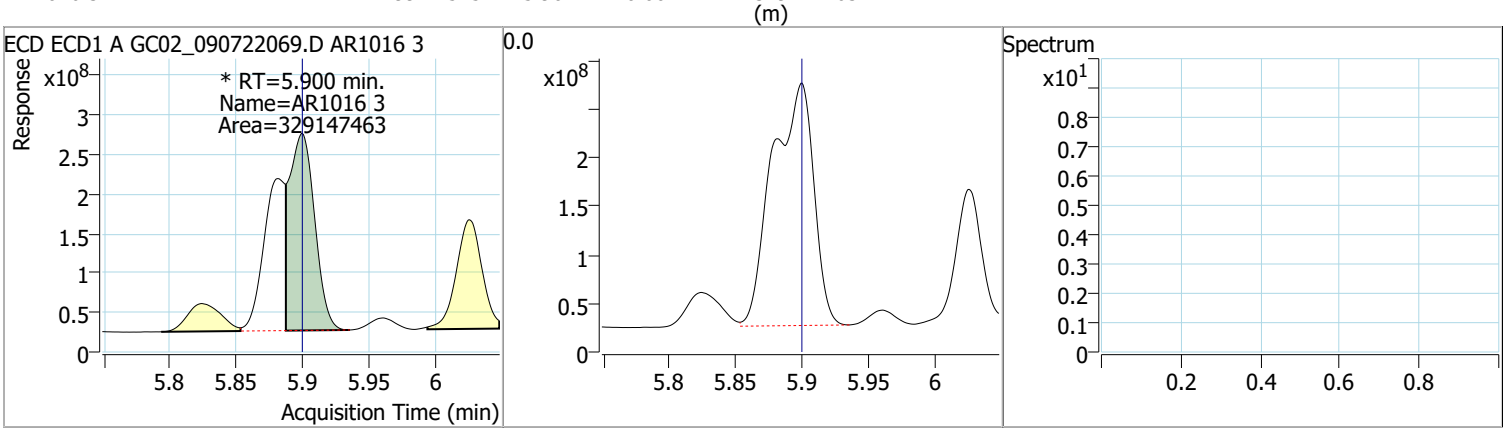
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AR1016 2	958.3799	5.46	0.00	209908549				



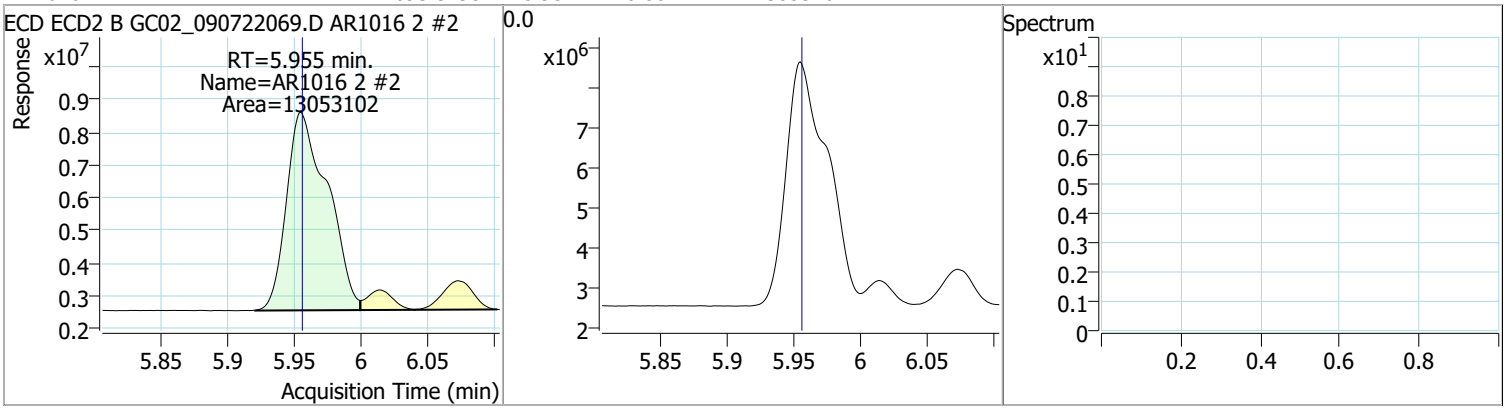
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AR1016 1 #2	863.7421	5.55	0.00	6250925				



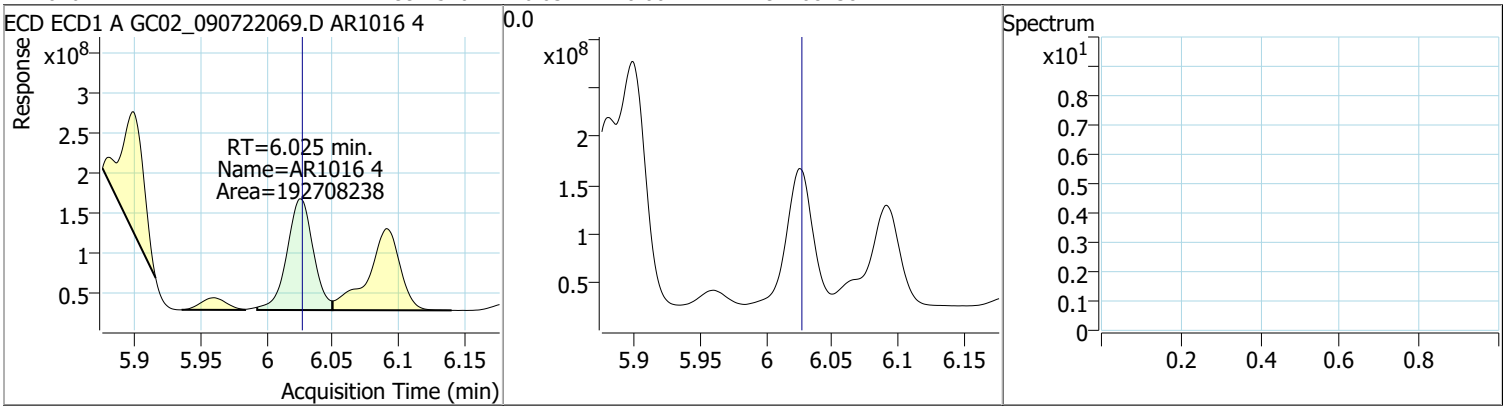
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	997.1575	5.90	0.00	329147463 (m)				



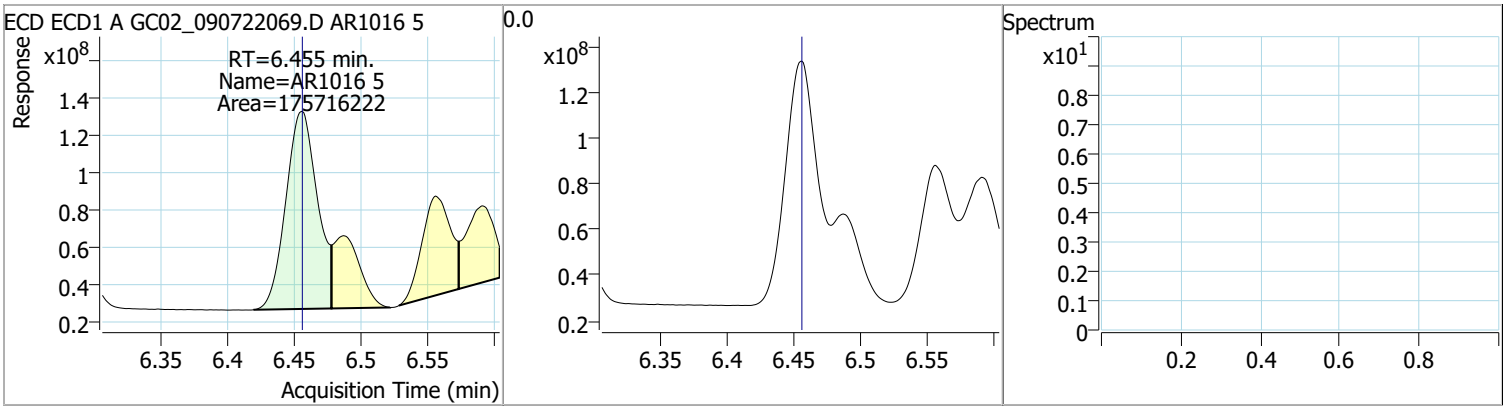
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	893.3195	5.95	0.00	13053102				



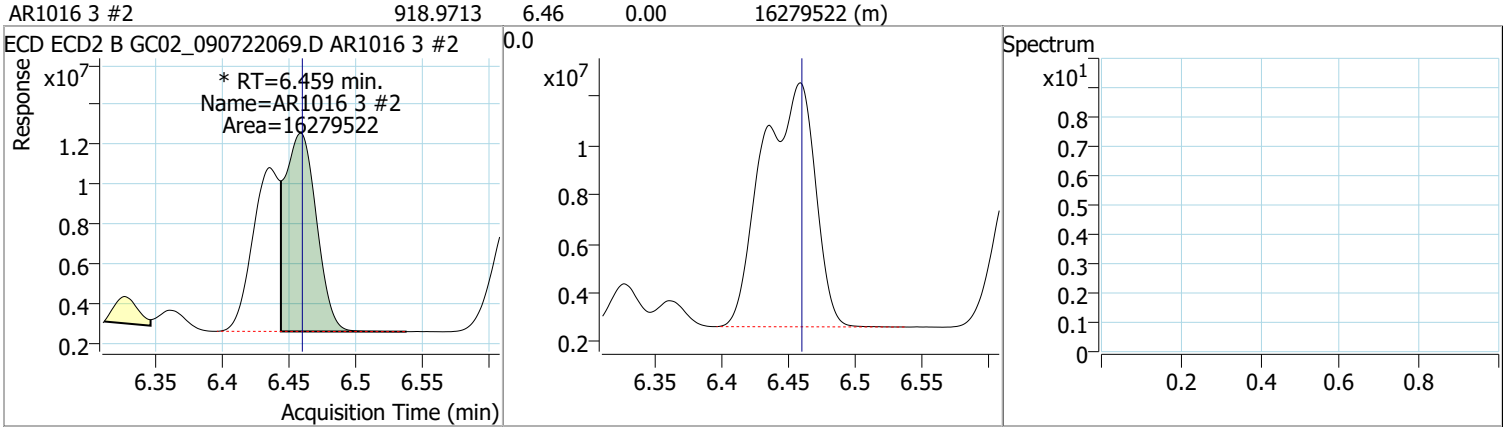
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	991.5402	6.03	0.00	192708238				



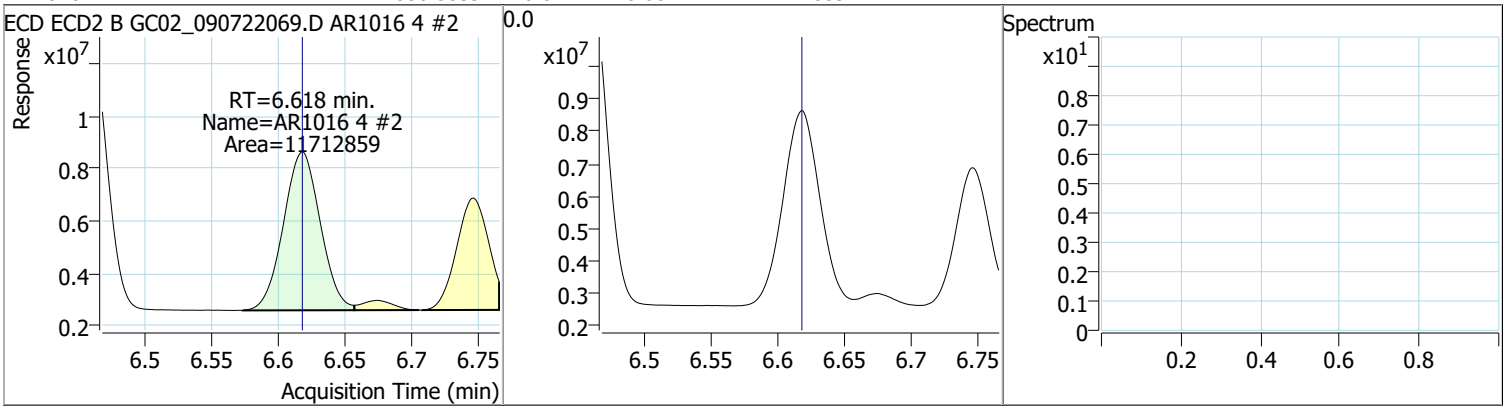
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	981.6495	6.46	0.00	175716222				



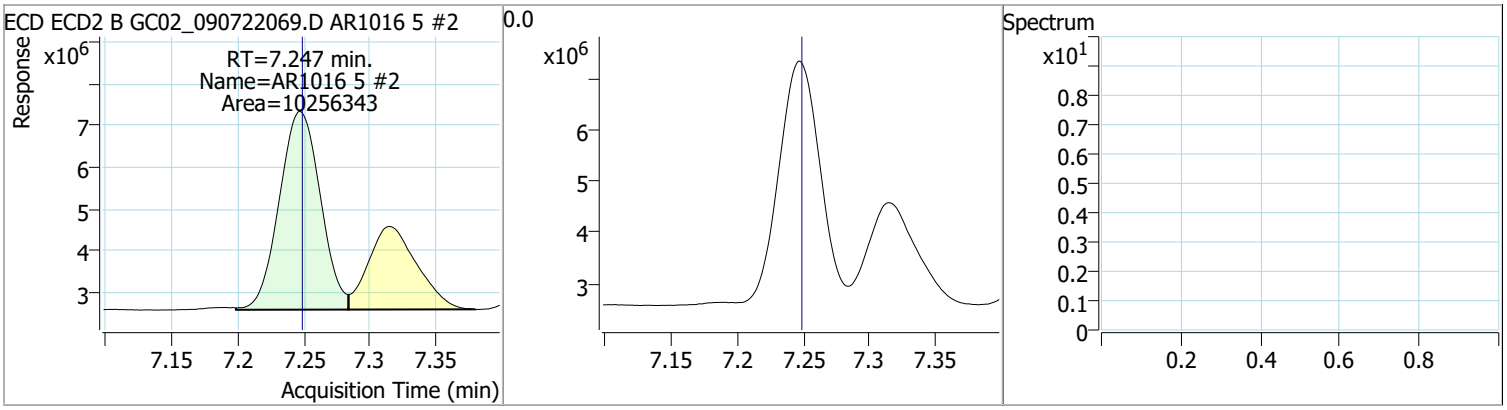
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AR1016 3 #2	918.9713	6.46	0.00	16279522 (m)				



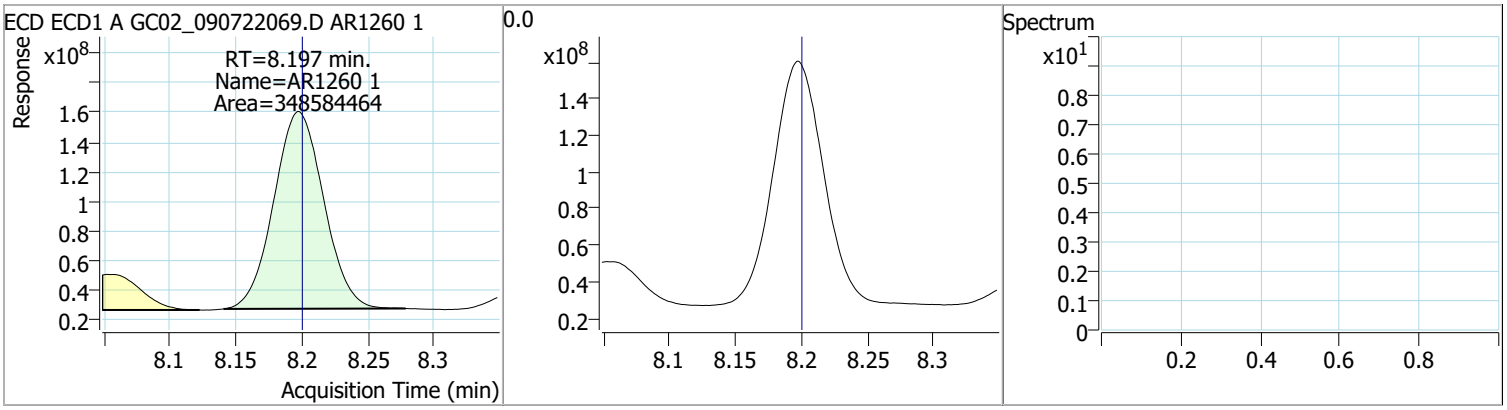
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AR1016 4 #2	886.5839	6.62	0.00	11712859				



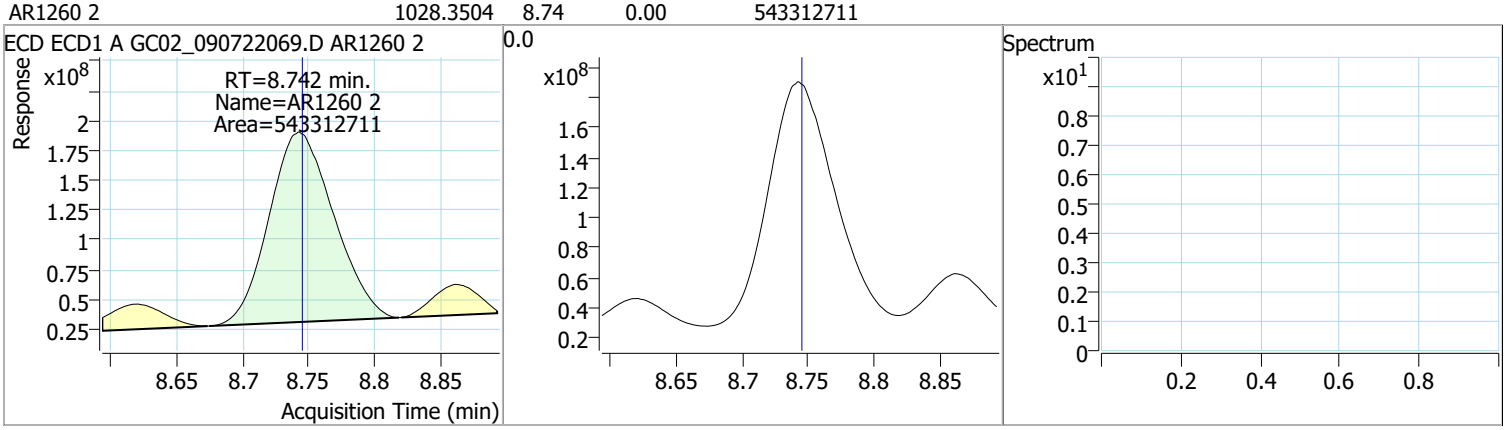
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	910.8815	7.25	0.00	10256343				



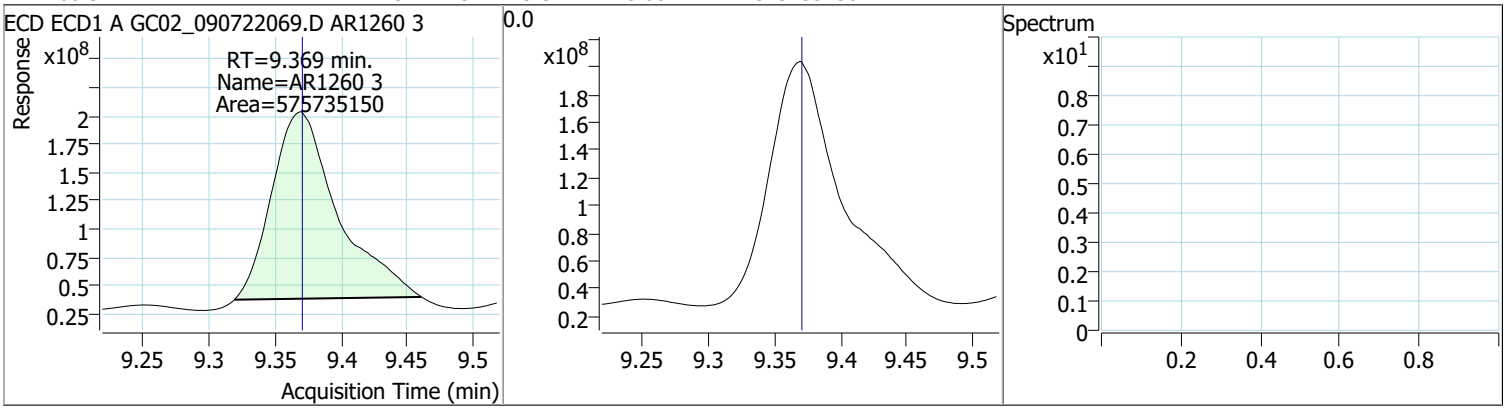
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1008.5357	8.20	0.00	348584464				



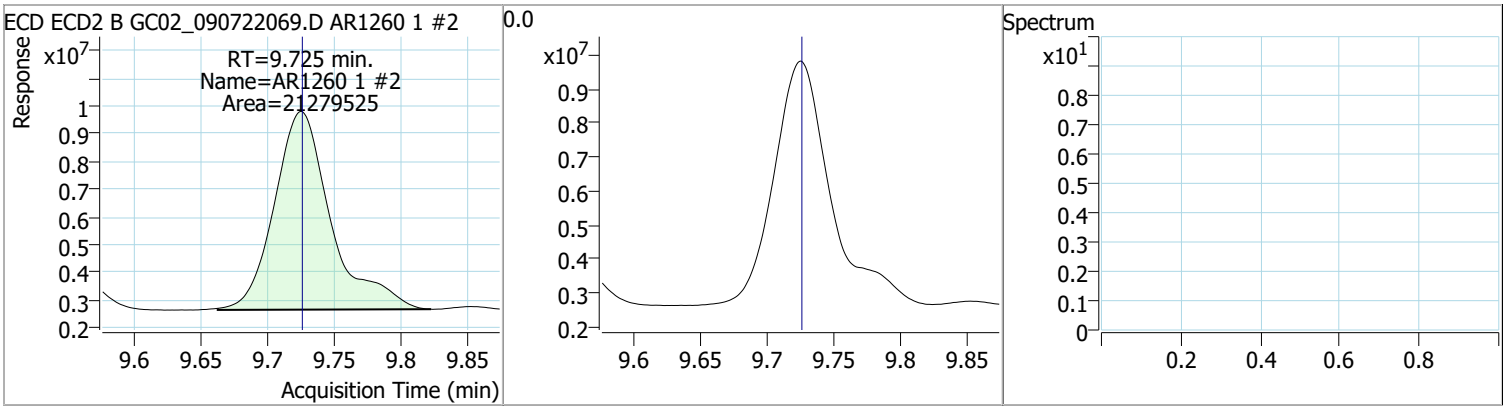
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1028.3504	8.74	0.00	543312711				



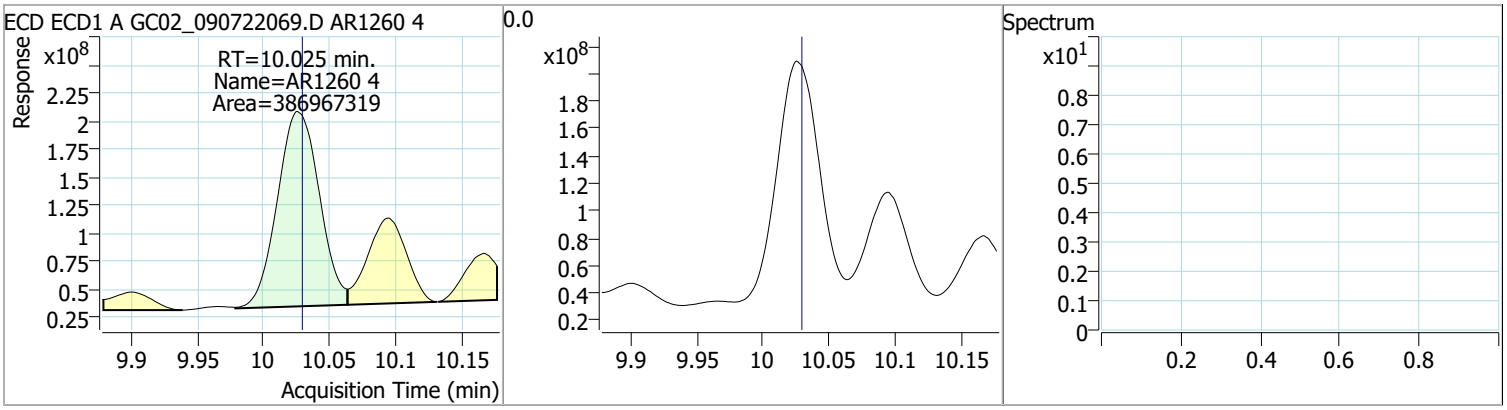
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	922.1787	9.37	0.00	575735150				



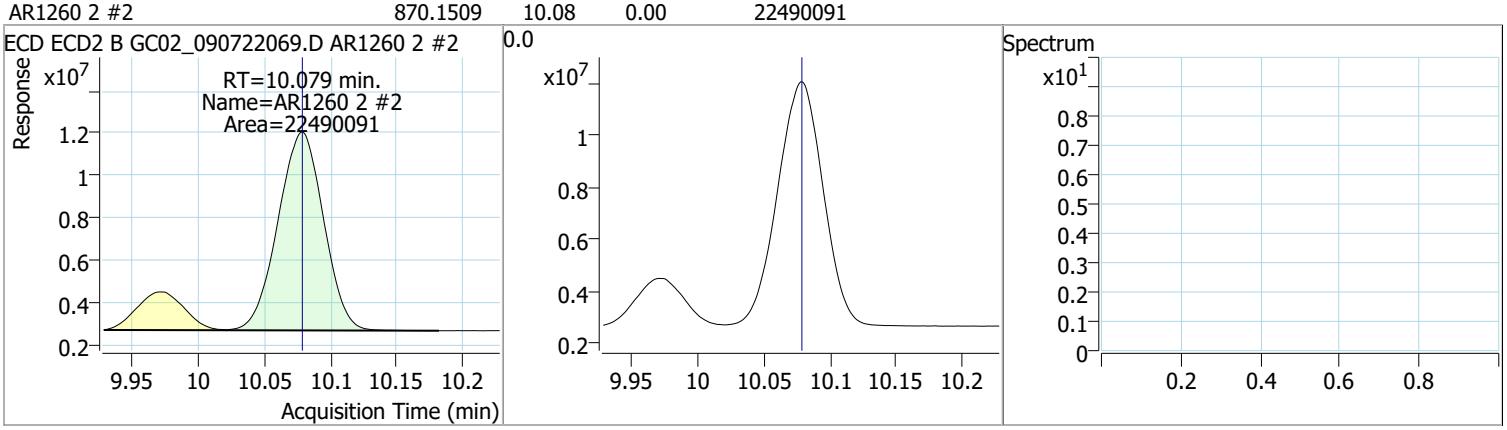
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	927.6391	9.72	0.00	21279525				



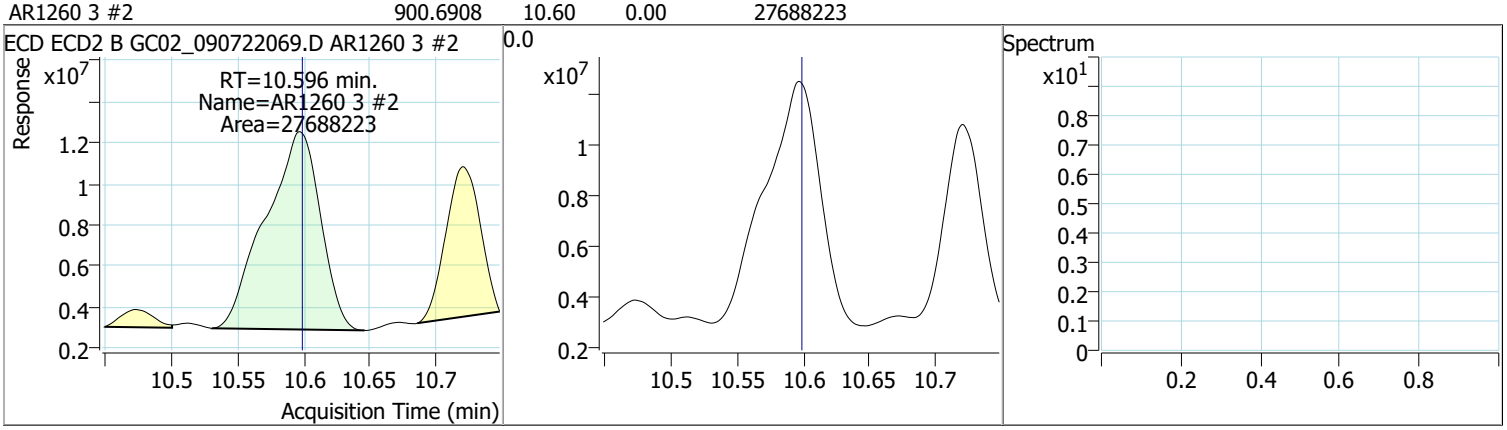
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1088.4218	10.03	0.00	386967319				



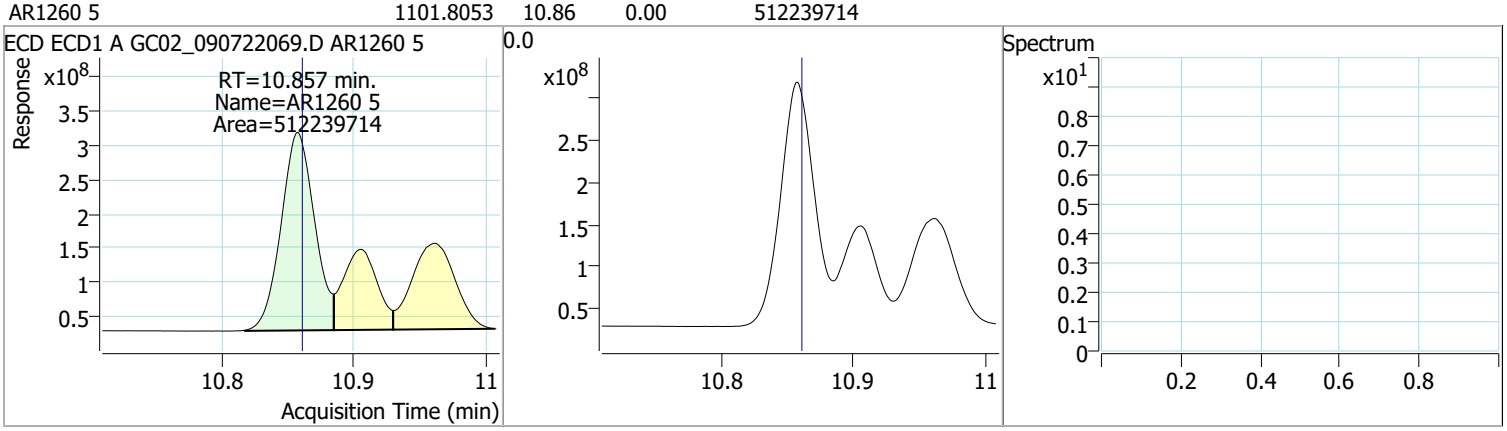
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	870.1509	10.08	0.00	22490091				



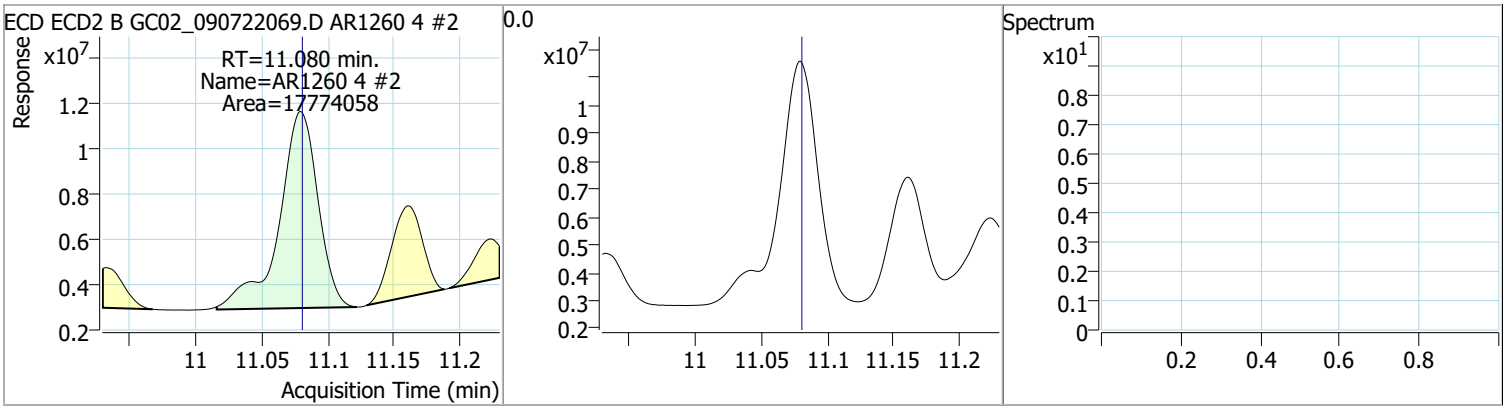
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	900.6908	10.60	0.00	27688223				



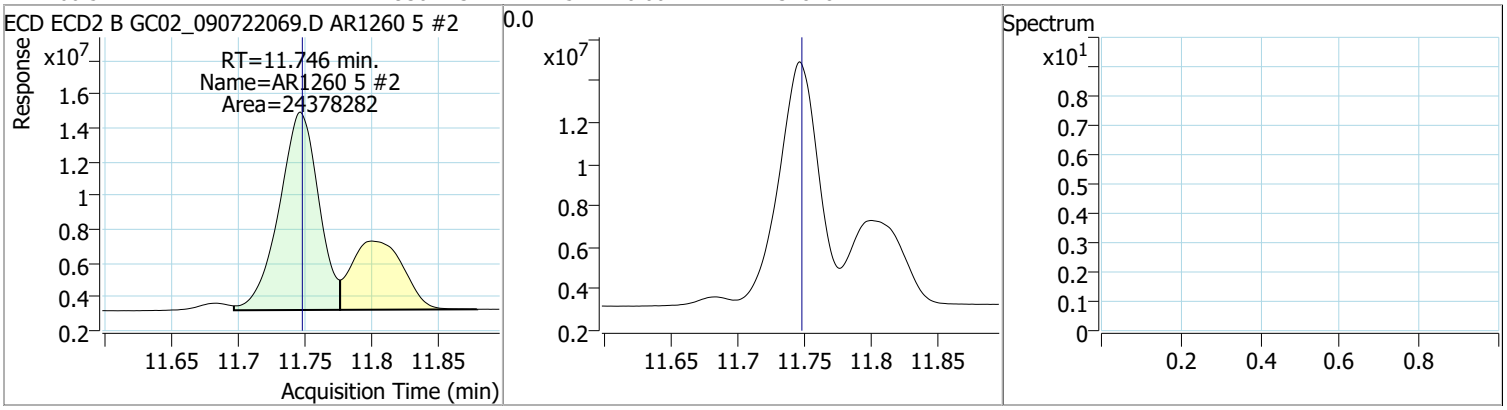
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1101.8053	10.86	0.00	512239714				



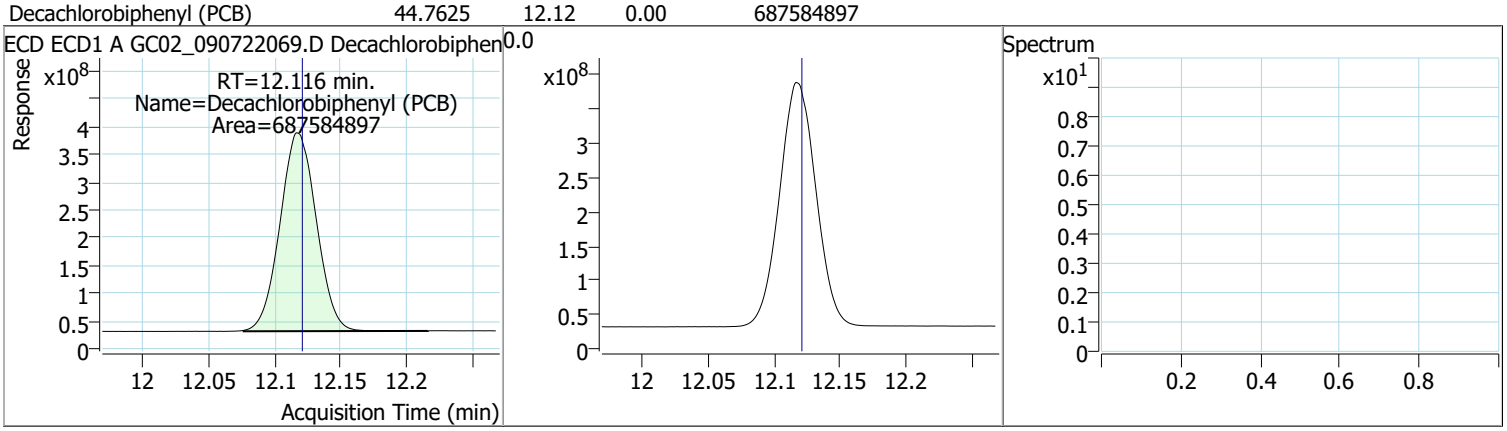
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1003.8120	11.08	0.00	17774058				



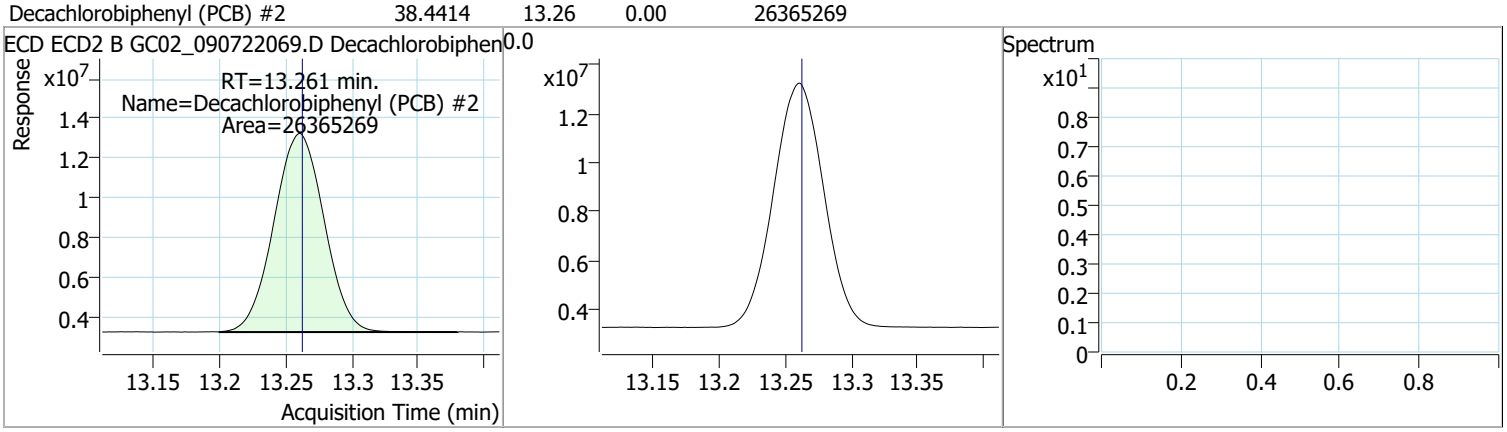
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	930.4134	11.75	0.00	24378282				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	44.7625	12.12	0.00	687584897				

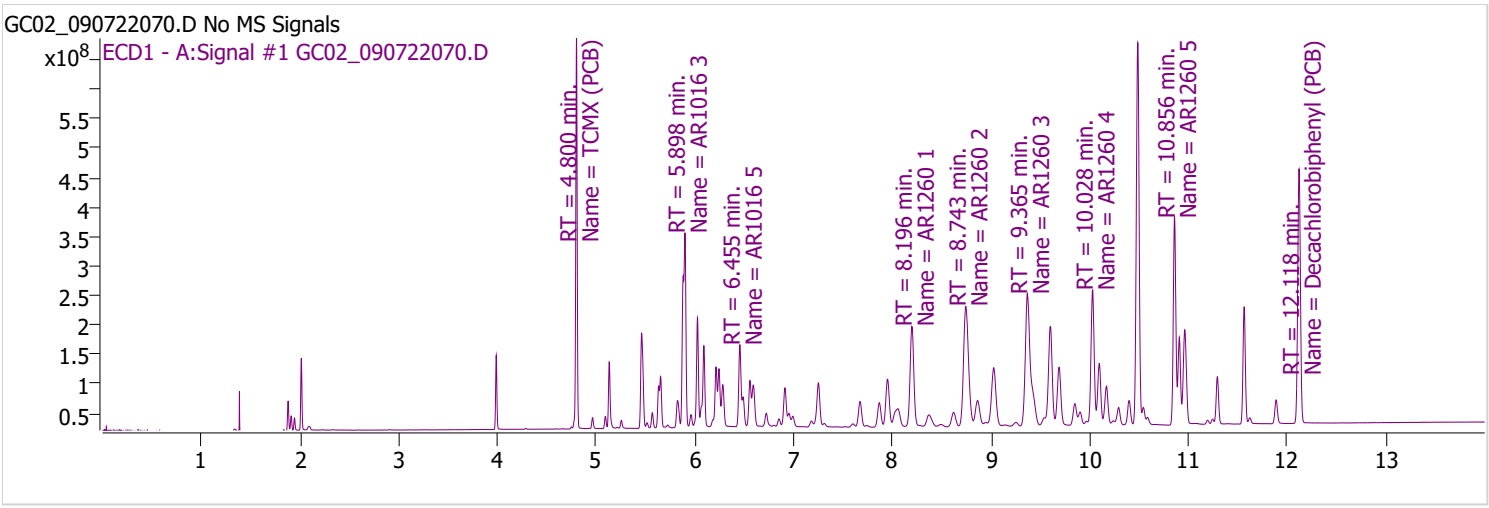


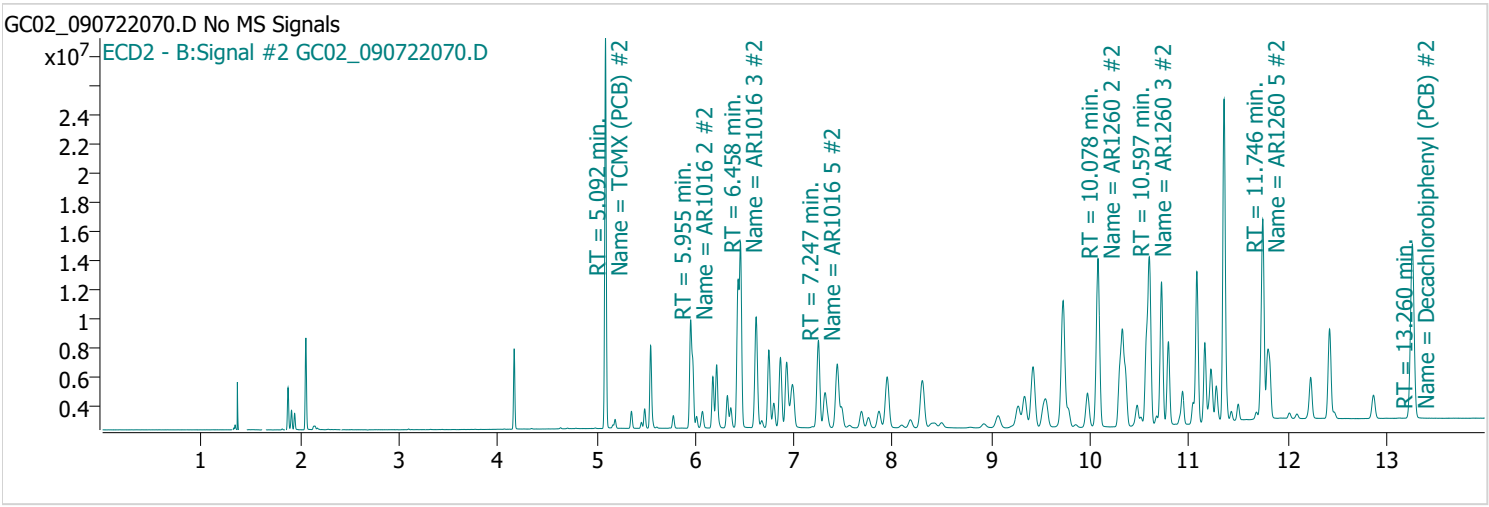
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.4414	13.26	0.00	26365269				



Quantitation Results Report (Not Reviewed)

Data File	GC02_090722070.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/7/2022 11:50:46 PM
Sample Name	ICAL, S17270	Instrument	SVOA-GC02
Vial	48	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_1.m	Comment	1500PPB PCB ICAL 8
Tune File	ATUNE.U	Tune Date	
Batch Name	090722PCBICAL.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



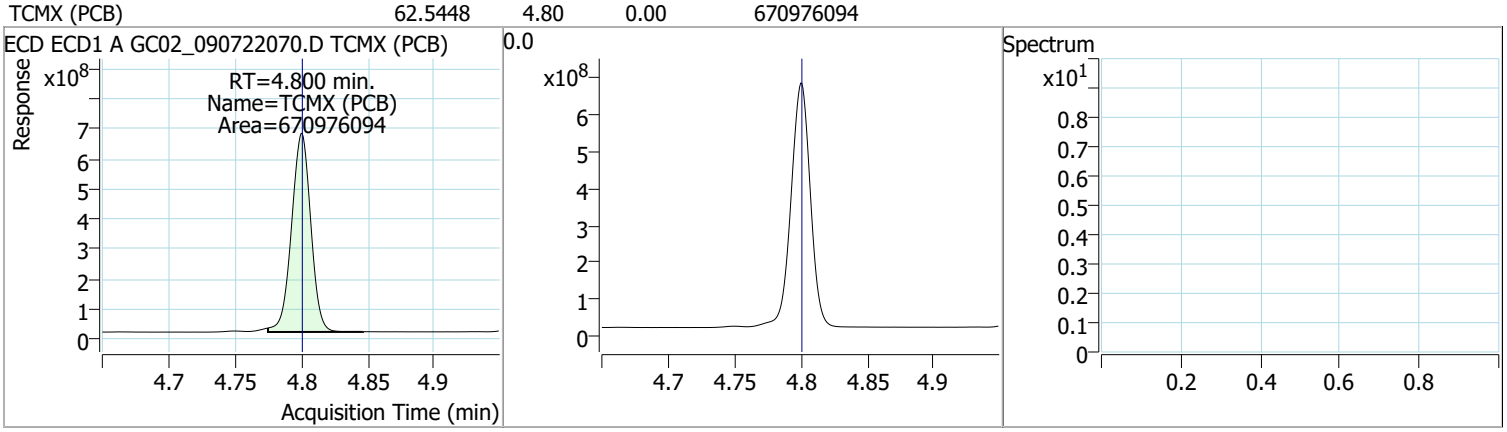


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	113397684.602	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.167	0.0	5133390.207	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.800	0.0	670976093.984	62.5448	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 312.72%		*	
S TCMX (PCB) #2	5.092	0.0	28959839.445	54.3134	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 271.57%		*	
S Decachlorobiphenyl (PCB)	12.118	0.0	831821198.270	61.6035	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 308.02%		*	
S Decachlorobiphenyl (PCB) #2	13.260	0.0	30472121.556	49.5711	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 247.86%		*	
Target Compounds							QValue

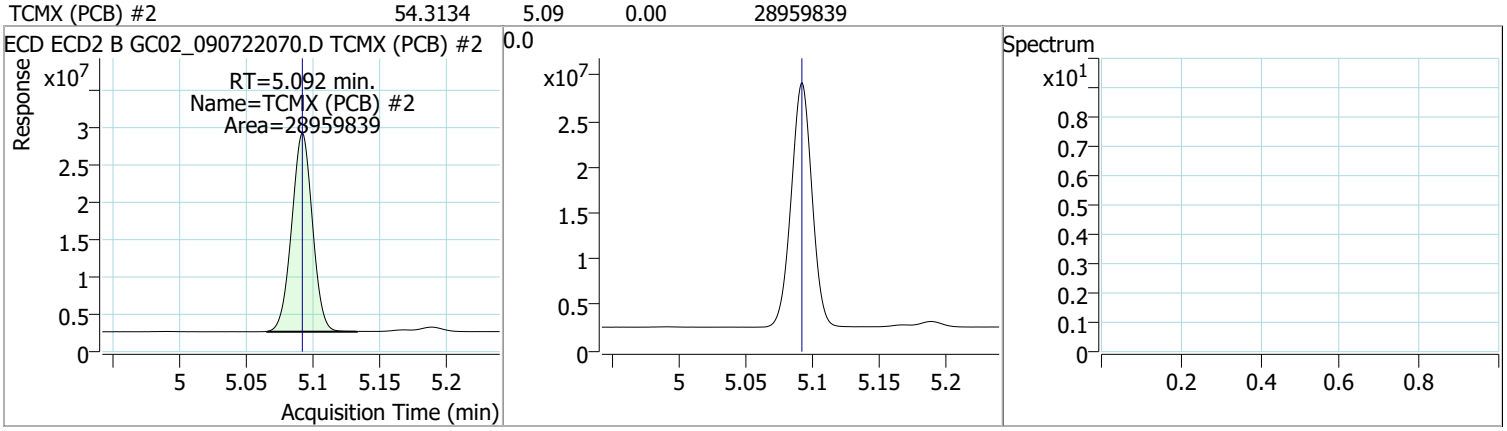
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.131	0.0	134146055.261	1345.0544	ng/ml		100
T AR1016 2	5.460	0.0	269769906.629	1401.1631	ng/ml		100
T AR1016 1 #2	5.549	0.0	7641676.950	1178.1127	ng/ml		100
T AR1016 3	5.898	0.0	434123819.008	1496.1477	ng/ml	m	100
T AR1016 2 #2	5.955	0.0	16129341.007	1231.5953	ng/ml		100
T AR1016 4	6.025	0.0	250986260.334	1469.0872	ng/ml		100
T AR1016 5	6.455	0.0	225920888.534	1435.7823	ng/ml		100
T AR1016 3 #2	6.458	0.0	20566544.773	1295.3285	ng/ml	m	100
T AR1016 4 #2	6.617	0.0	14547060.142	1228.5434	ng/ml		100
T AR1016 5 #2	7.247	0.0	12566627.799	1245.2210	ng/ml		100
T AR1260 1	8.196	0.0	437077311.135	1438.5638	ng/ml		100
T AR1260 2	8.743	0.0	680593863.804	1465.4361	ng/ml		100
T AR1260 3	9.365	0.0	840501307.199	1507.1957	ng/ml		100
T AR1260 1 #2	9.725	0.0	25402524.780	1235.5273	ng/ml		100
T AR1260 4	10.028	0.0	484868700.461	1551.4389	ng/ml		100
T AR1260 2 #2	10.078	0.0	26734858.167	1154.0897	ng/ml		100
T AR1260 3 #2	10.597	0.0	33216189.900	1205.5599	ng/ml		100
T AR1260 5	10.856	0.0	636929967.029	1558.5147	ng/ml		100
T AR1260 4 #2	11.079	0.0	21107420.259	1330.0234	ng/ml		100
T AR1260 5 #2	11.746	0.0	28714789.195	1222.7476	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

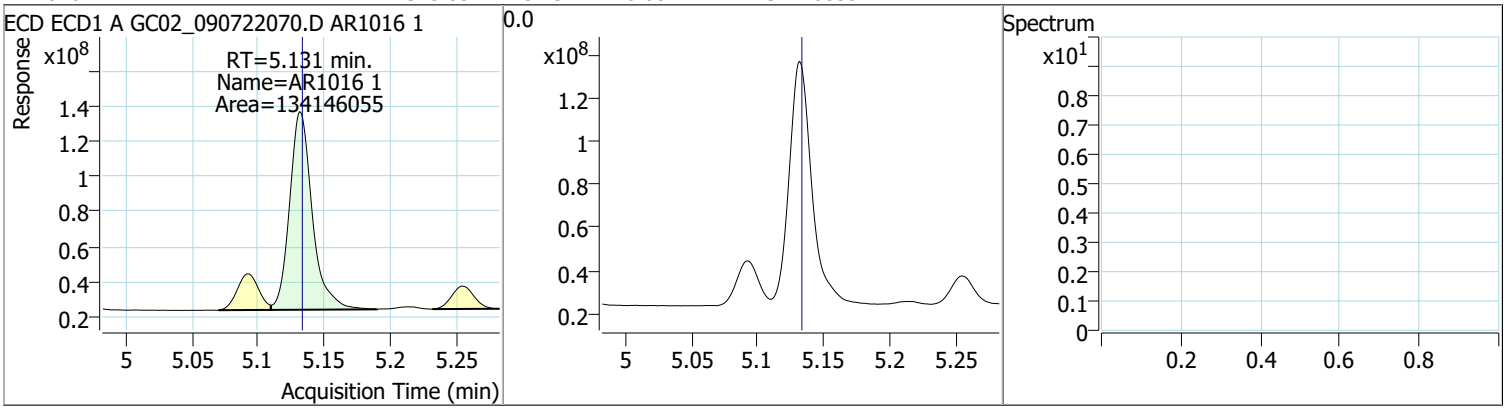
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	62.5448	4.80	0.00	670976094				



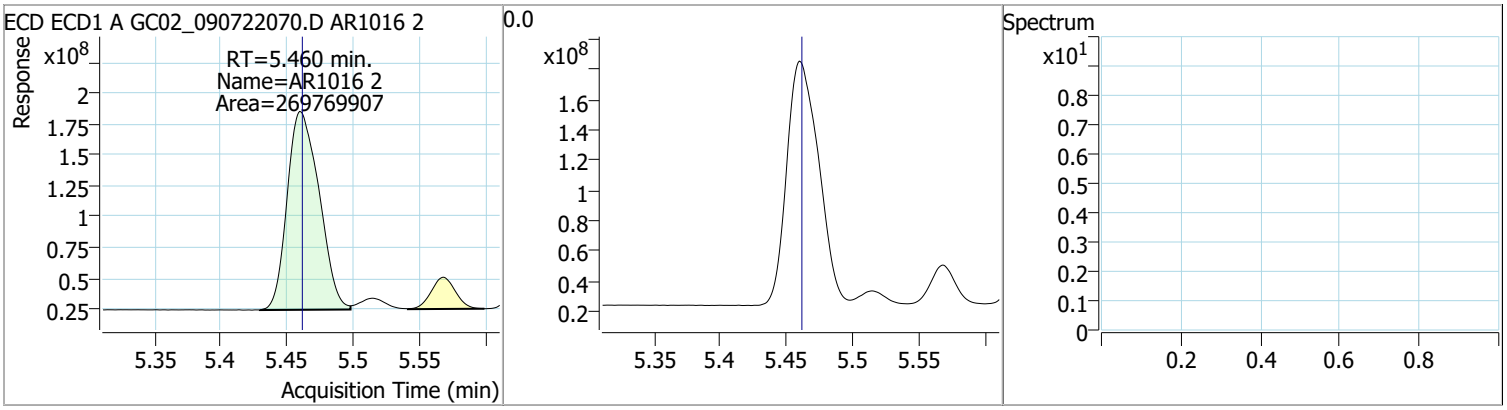
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	54.3134	5.09	0.00	28959839				



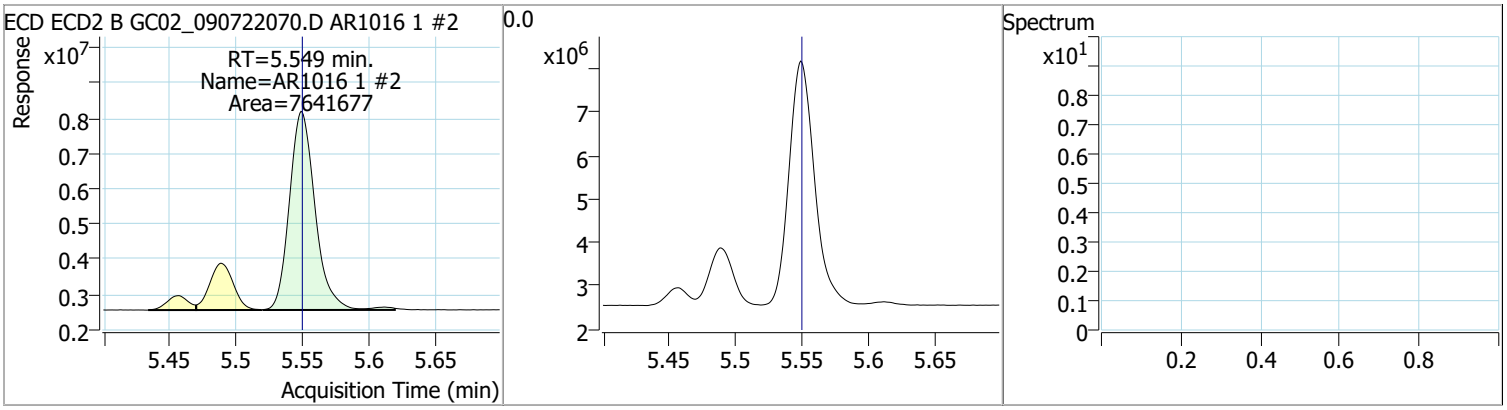
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1345.0544	5.13	0.00	134146055				



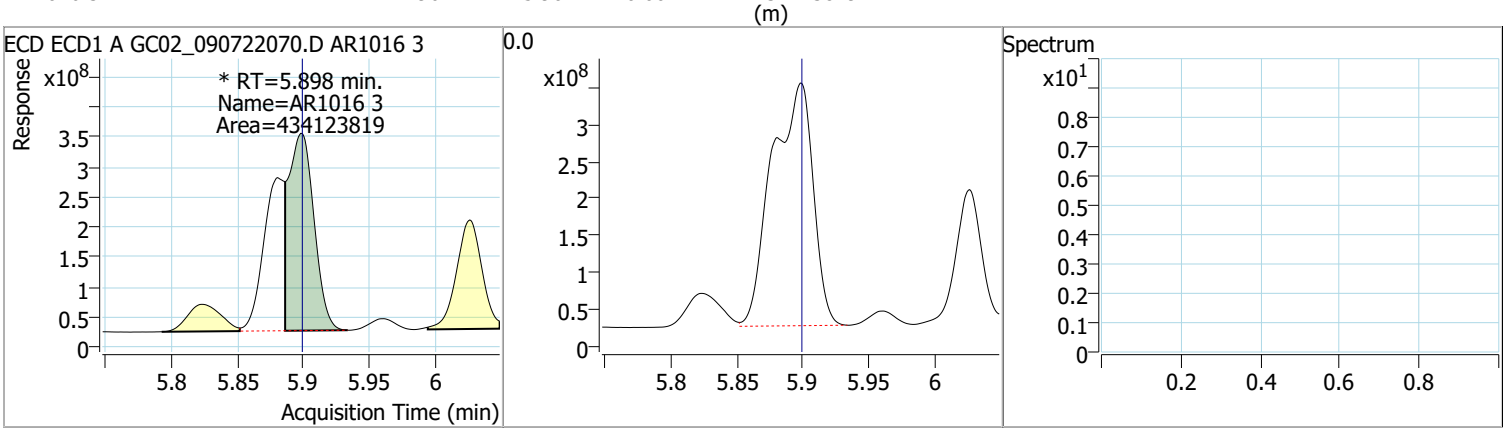
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1401.1631	5.46	0.00	269769907				



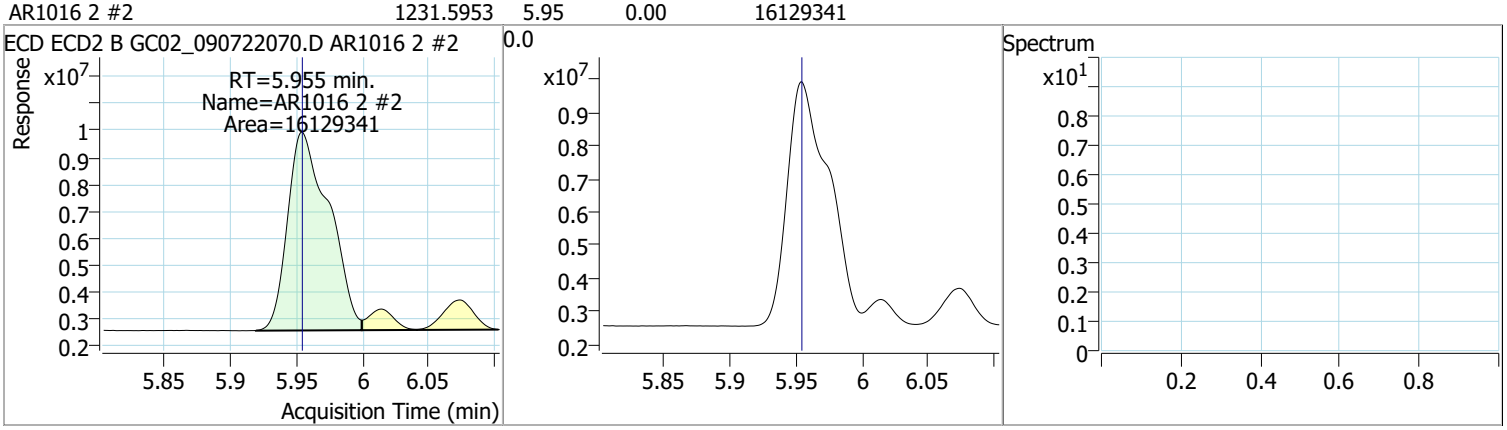
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1178.1127	5.55	0.00	7641677				



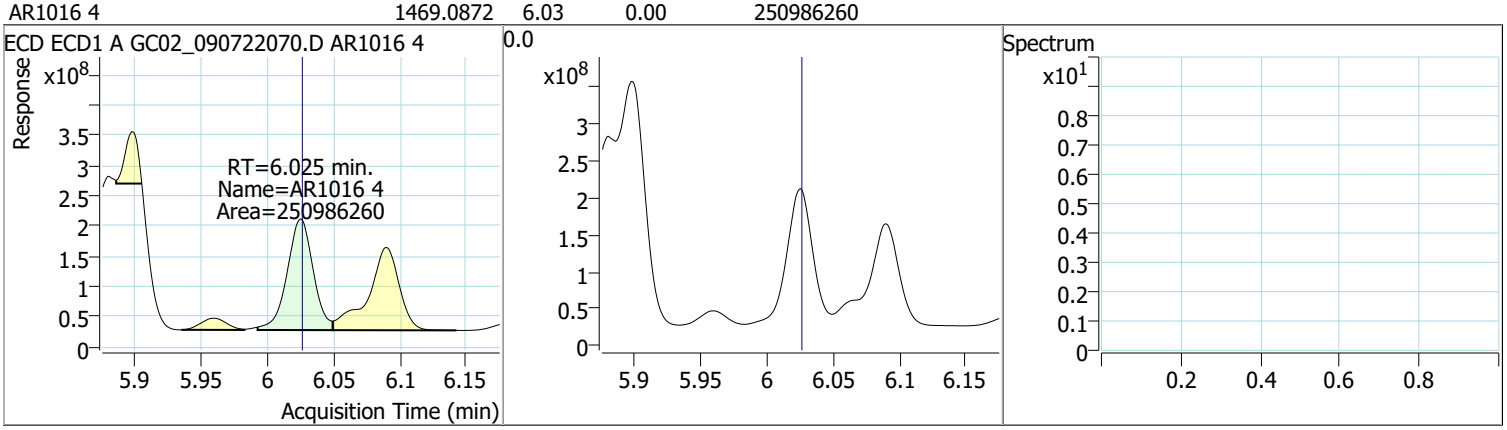
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1496.1477	5.90	0.00	434123819 (m)				



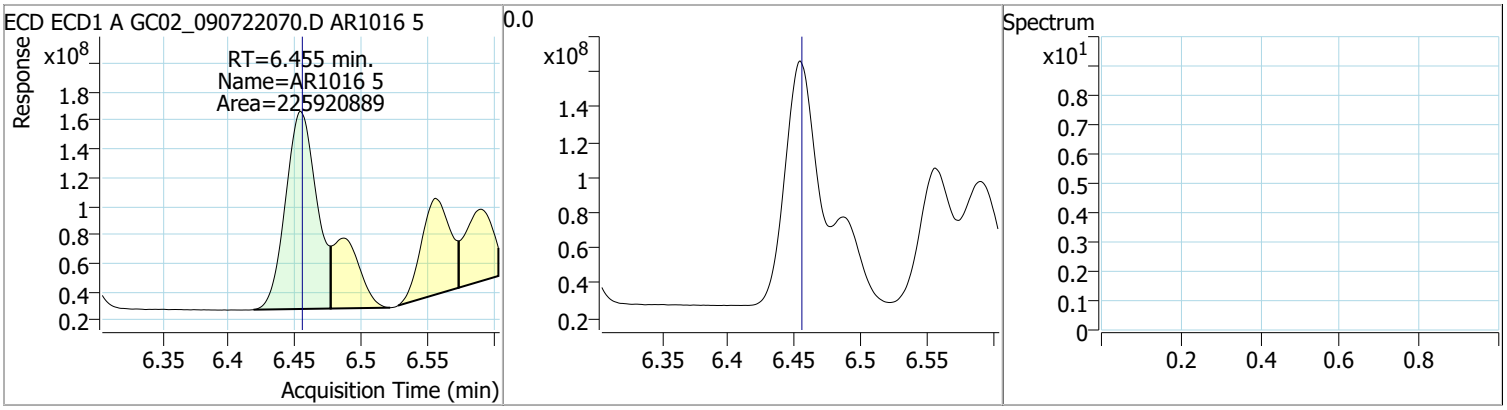
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1231.5953	5.95	0.00	16129341				



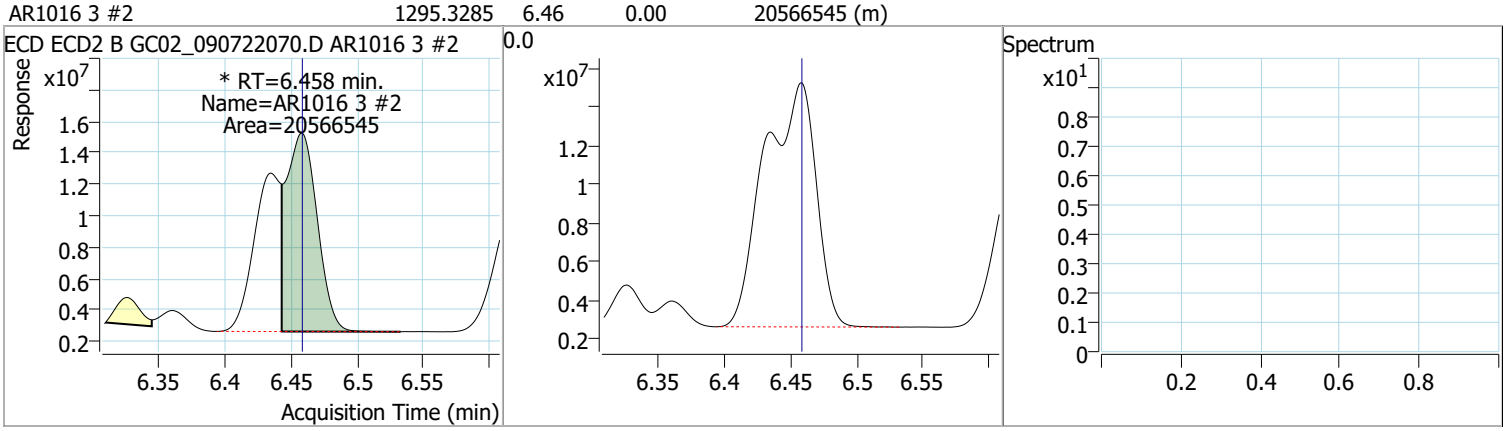
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1469.0872	6.03	0.00	250986260				



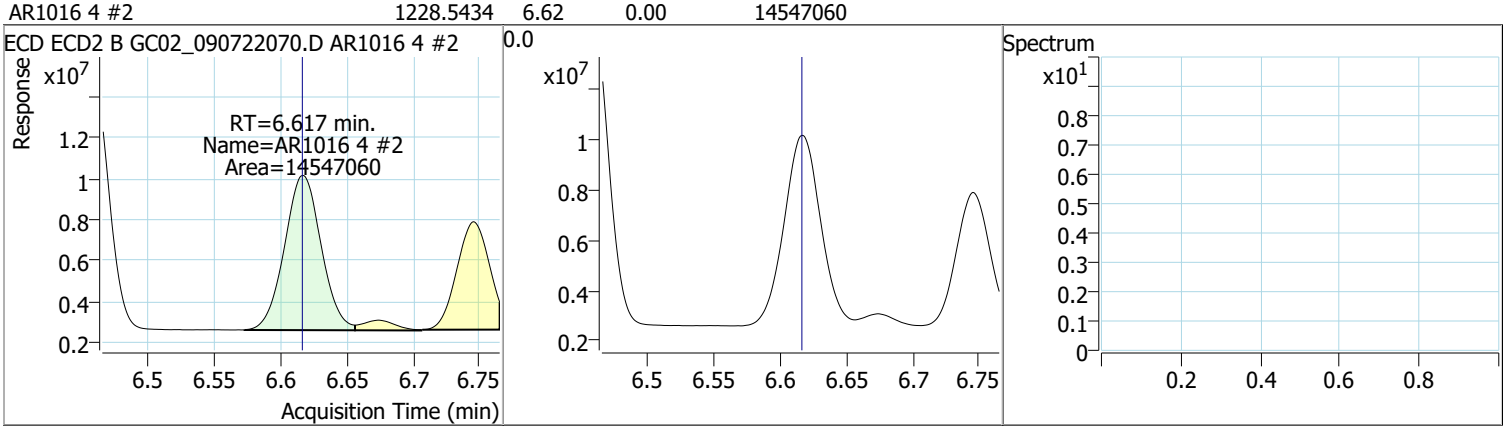
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1435.7823	6.45	0.00	225920889				



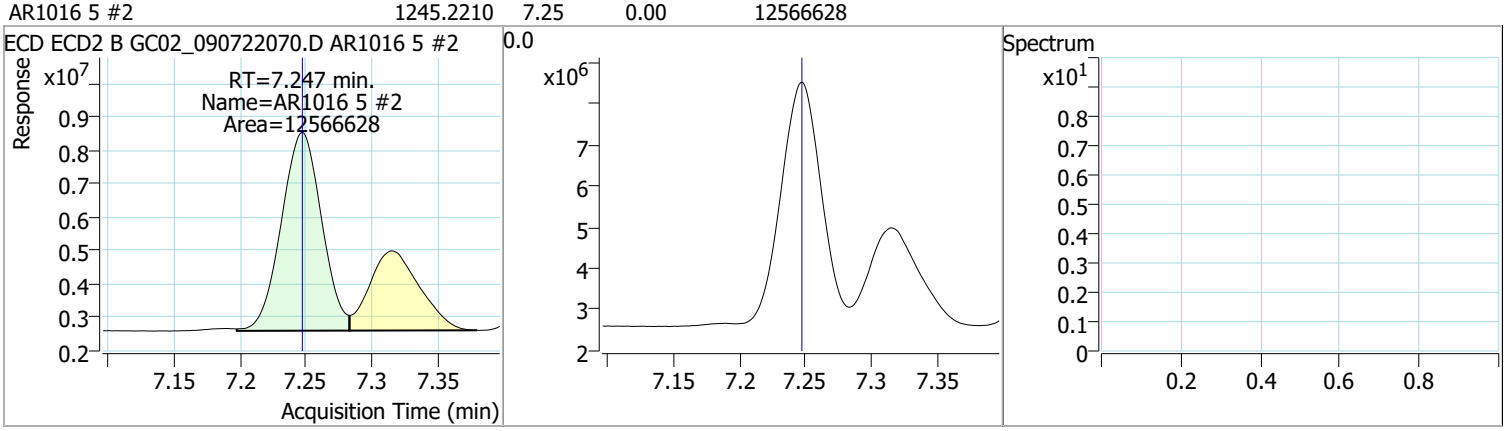
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1295.3285	6.46	0.00	20566545 (m)				



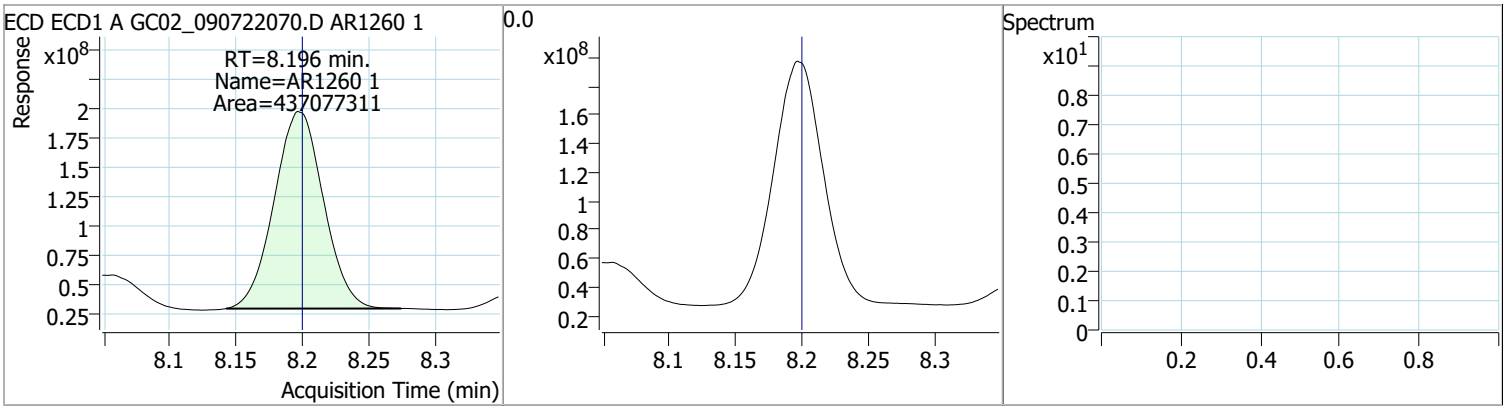
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1228.5434	6.62	0.00	14547060				



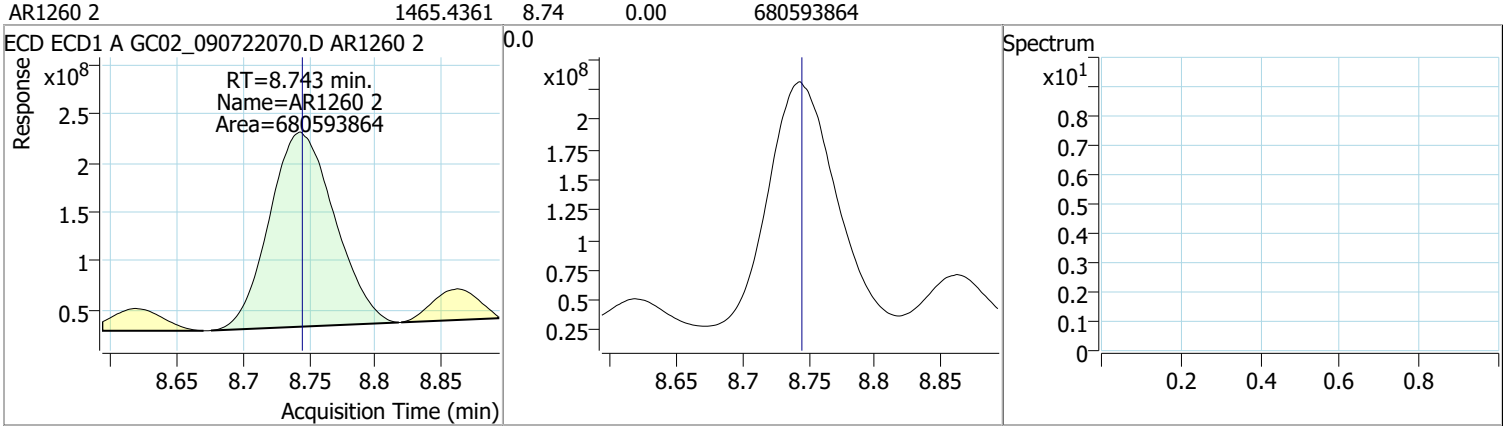
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1245.2210	7.25	0.00	12566628				



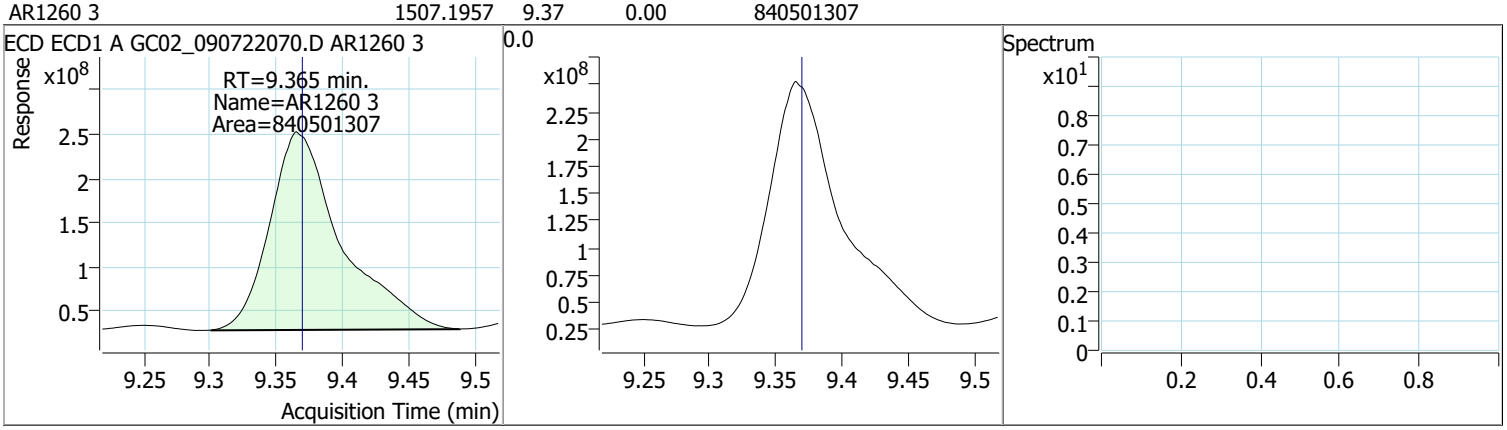
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1438.5638	8.20	0.00	437077311				



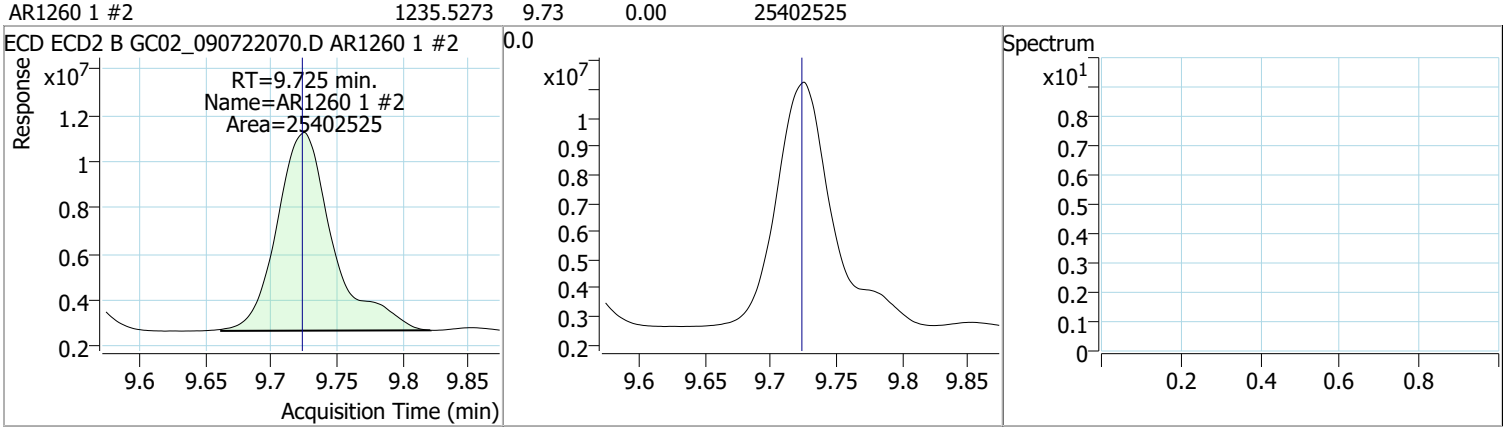
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1465.4361	8.74	0.00	680593864				



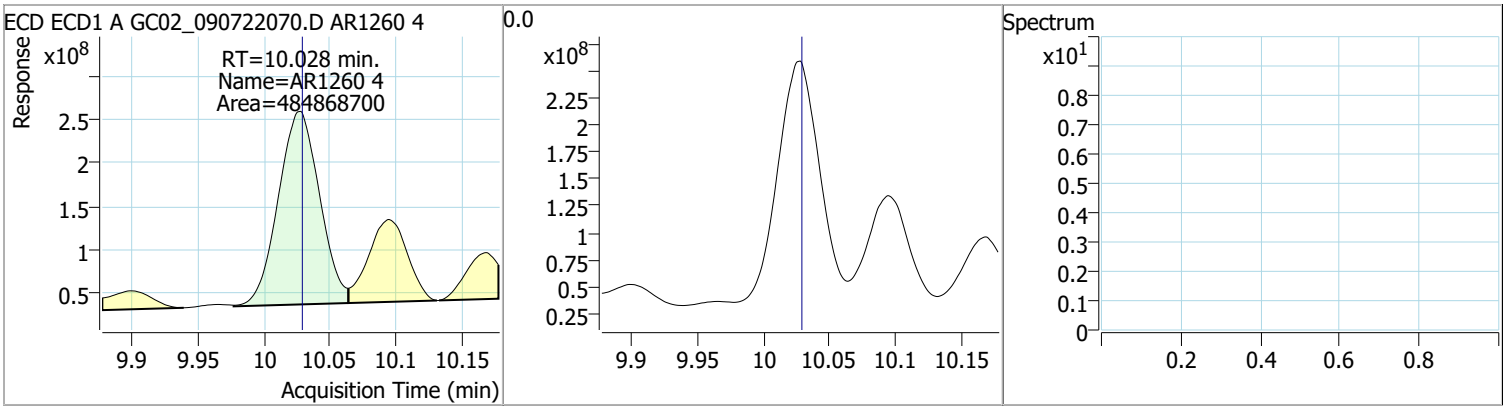
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1507.1957	9.37	0.00	840501307				



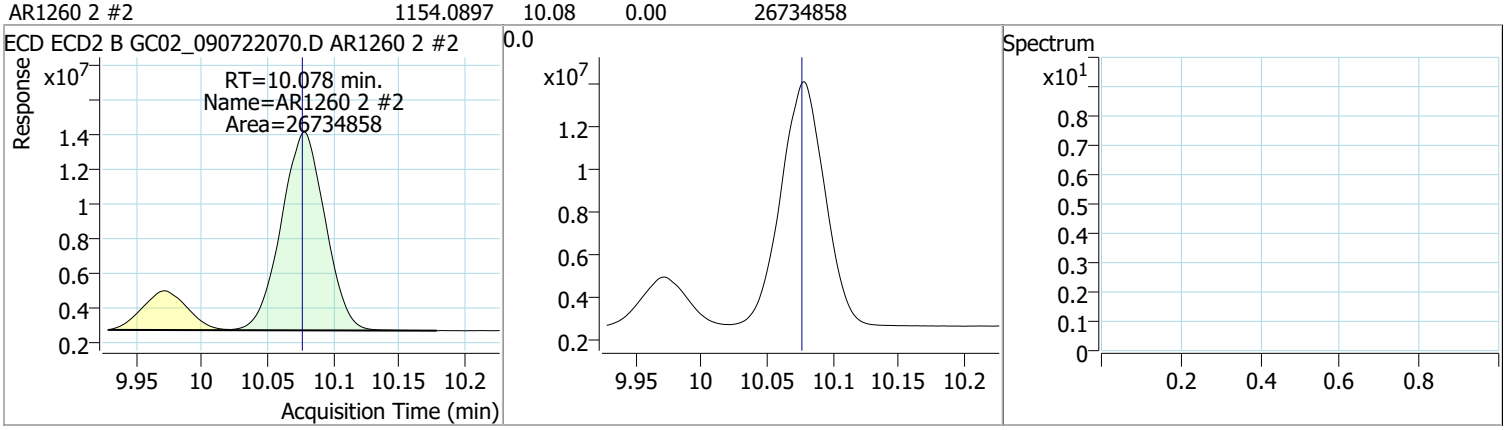
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1235.5273	9.73	0.00	25402525				



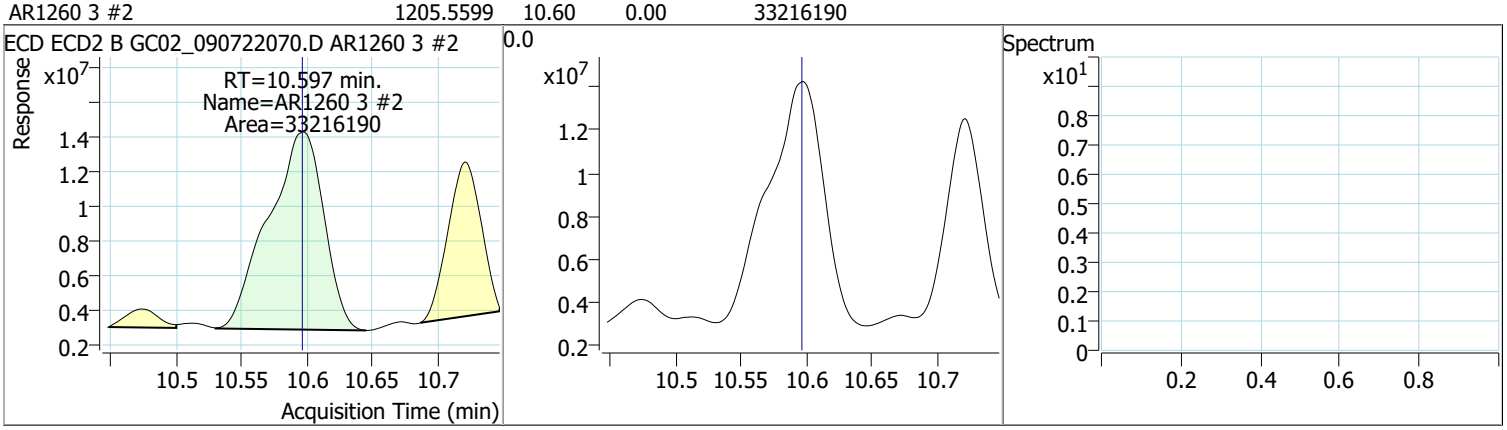
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AR1260 4	1551.4389	10.03	0.00	484868700				



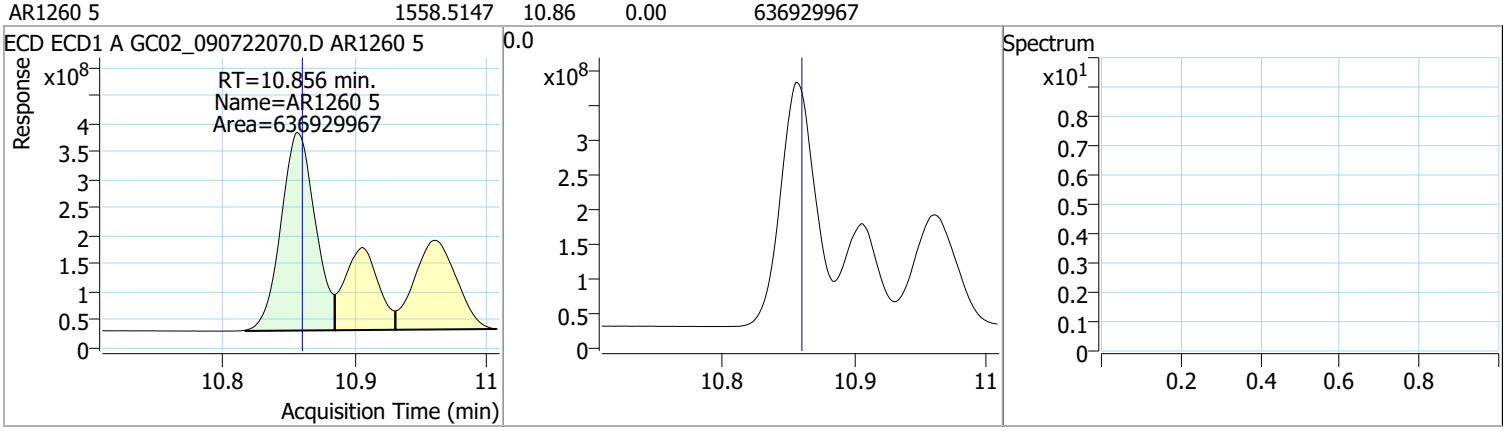
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1154.0897	10.08	0.00	26734858				



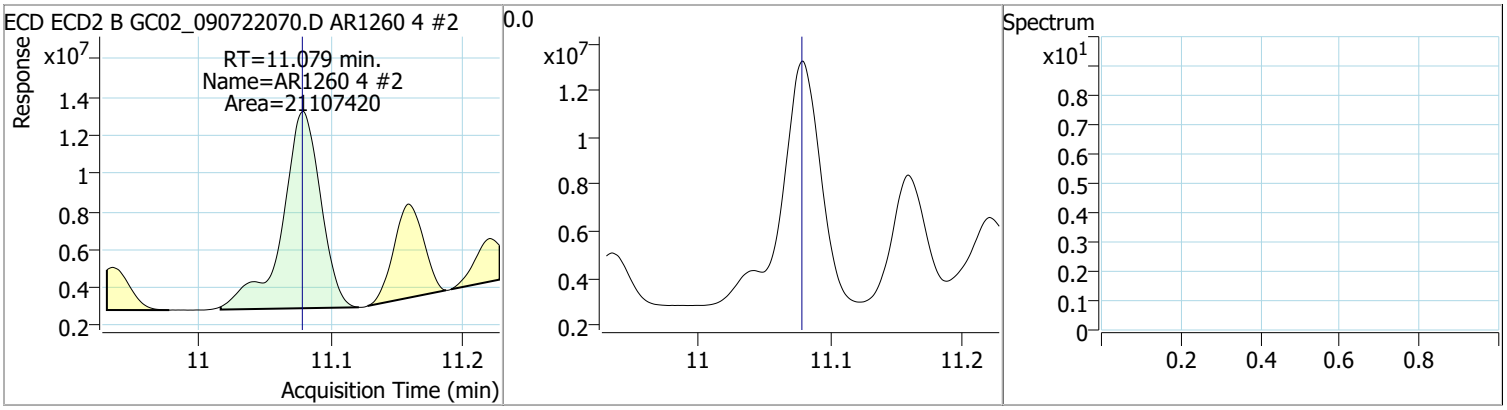
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1205.5599	10.60	0.00	33216190				



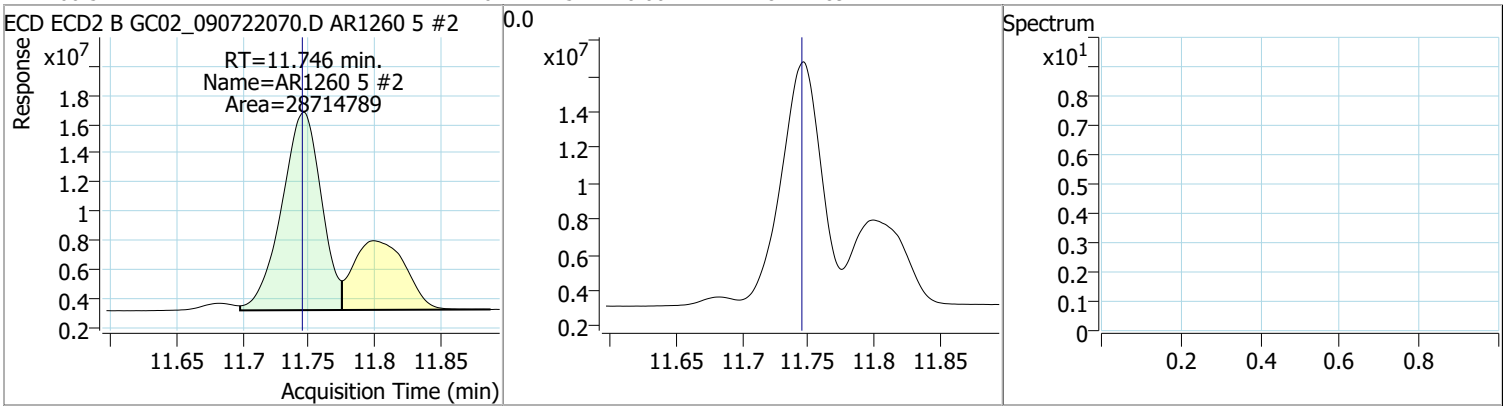
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1558.5147	10.86	0.00	636929967				



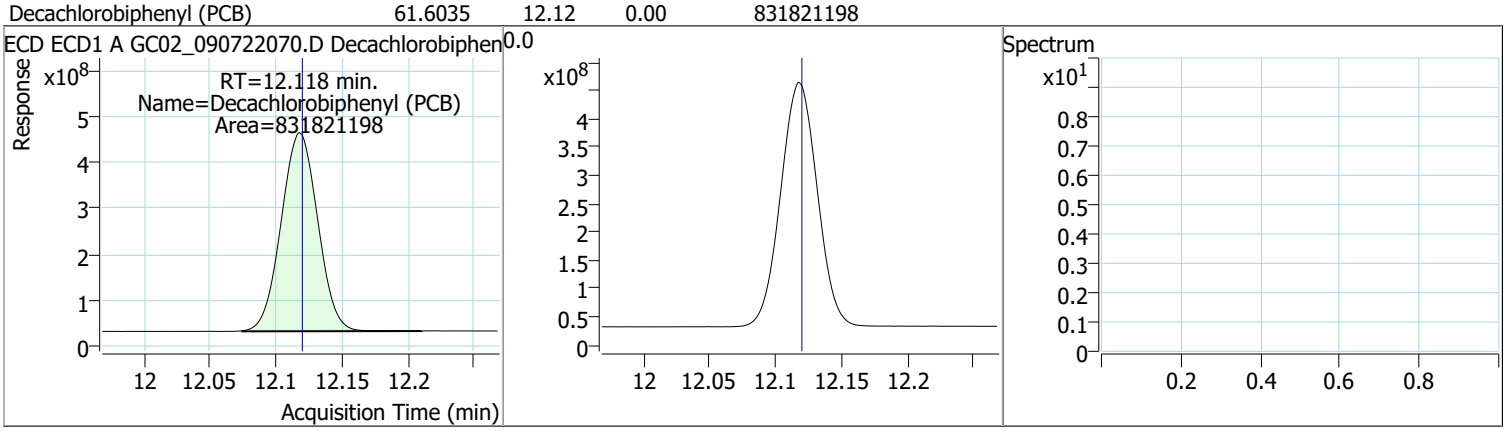
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1330.0234	11.08	0.00	21107420				



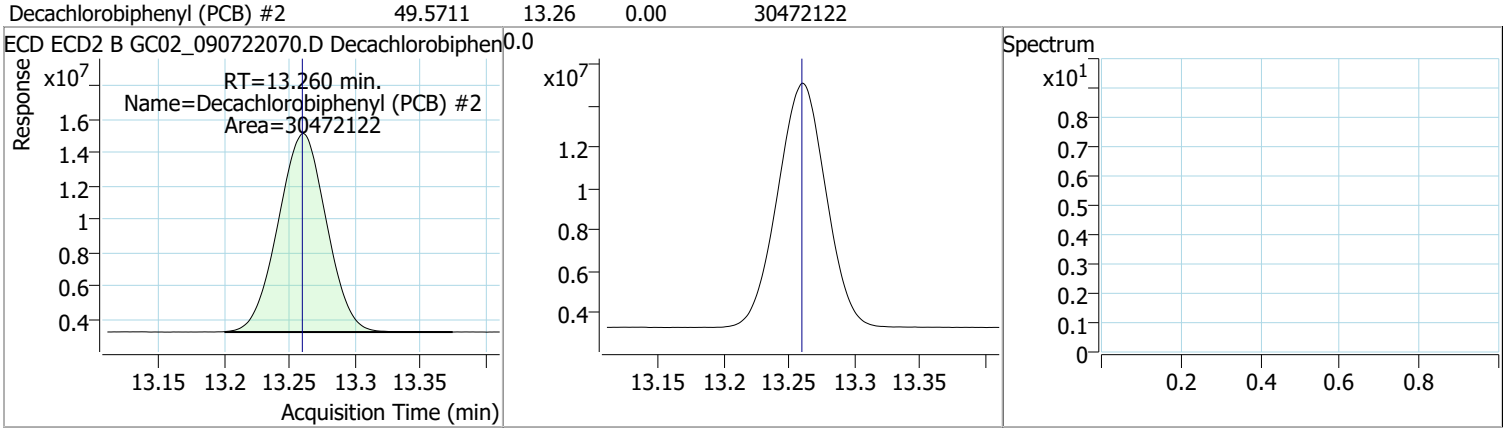
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1222.7476	11.75	0.00	28714789				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	61.6035	12.12	0.00	831821198				

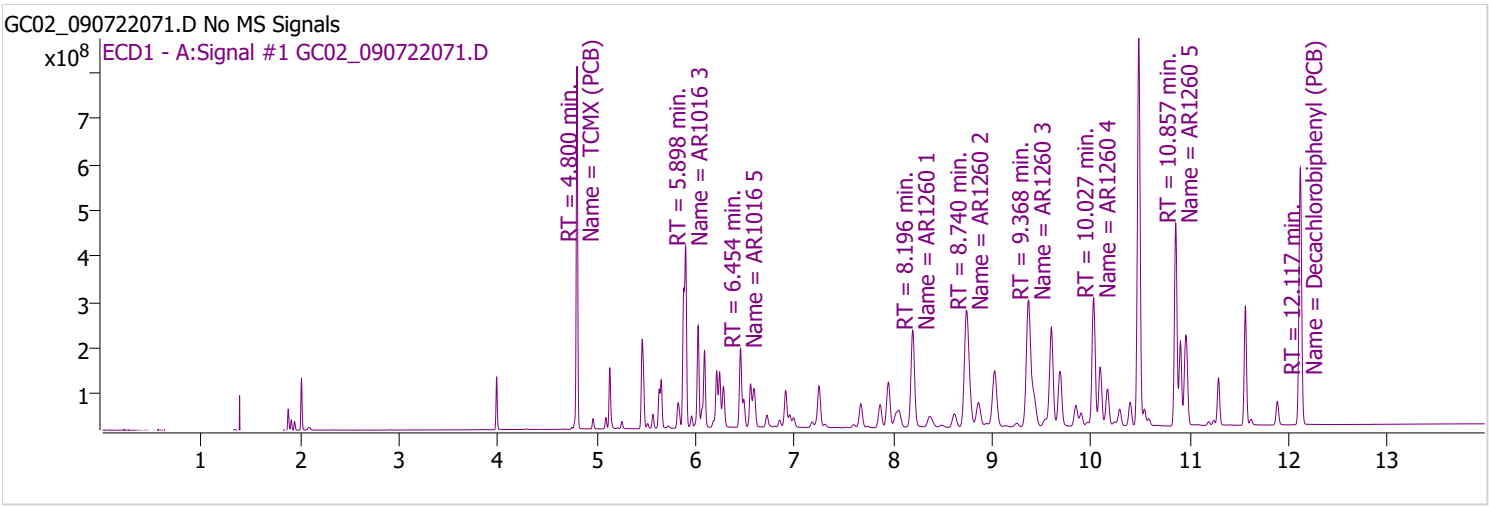


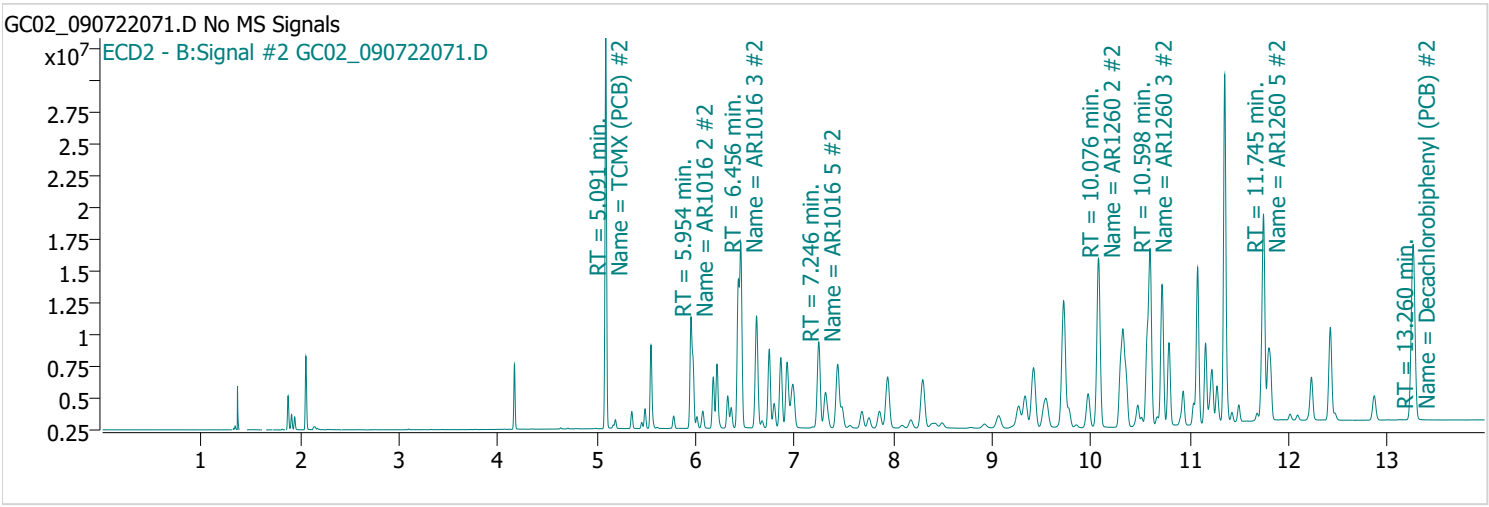
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	49.5711	13.26	0.00	30472122				



Quantitation Results Report (Not Reviewed)

Data File	GC02_090722071.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/8/2022 12:08:32 AM
Sample Name	ICAL, S17271	Instrument	SVOA-GC02
Vial	49	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_1.m	Comment	2000PPB PCB ICAL 9
Tune File	ATUNE.U	Tune Date	
Batch Name	090722PCBICAL.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



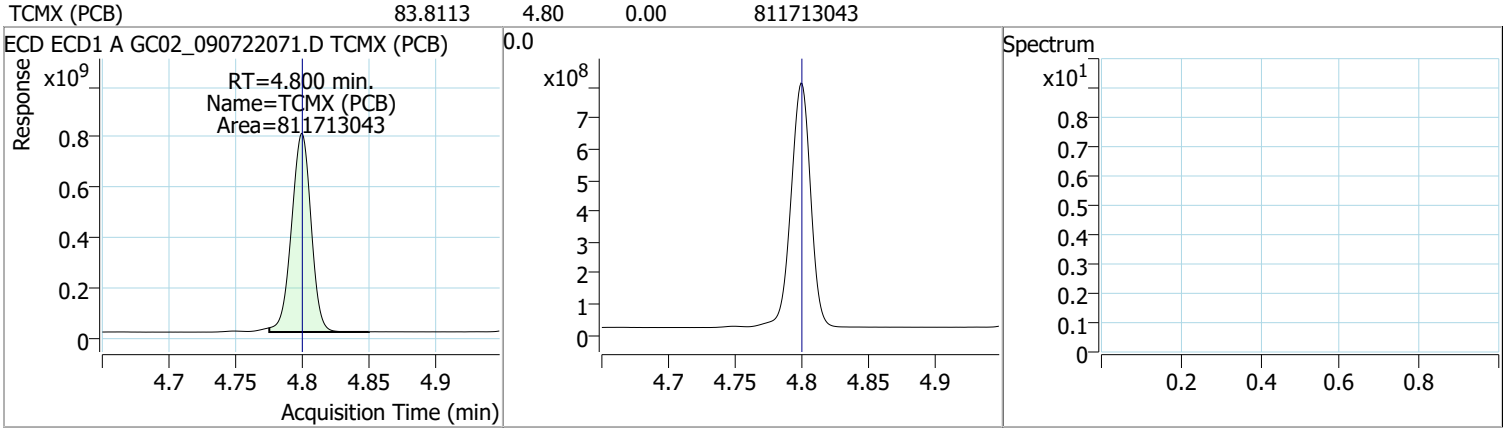


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	102373677.830	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.167	0.0	4699470.274	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.800	0.0	811713042.543	83.8113	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 419.06%		*	
S TCMX (PCB) #2	5.091	0.0	34334741.788	70.3396	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 351.70%		*	
S Decachlorobiphenyl (PCB)	12.117	0.0	1055982225.914	86.6260	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 433.13%		*	
S Decachlorobiphenyl (PCB) #2	13.260	0.0	37002947.296	65.7533	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 328.77%		*	
Target Compounds							QValue

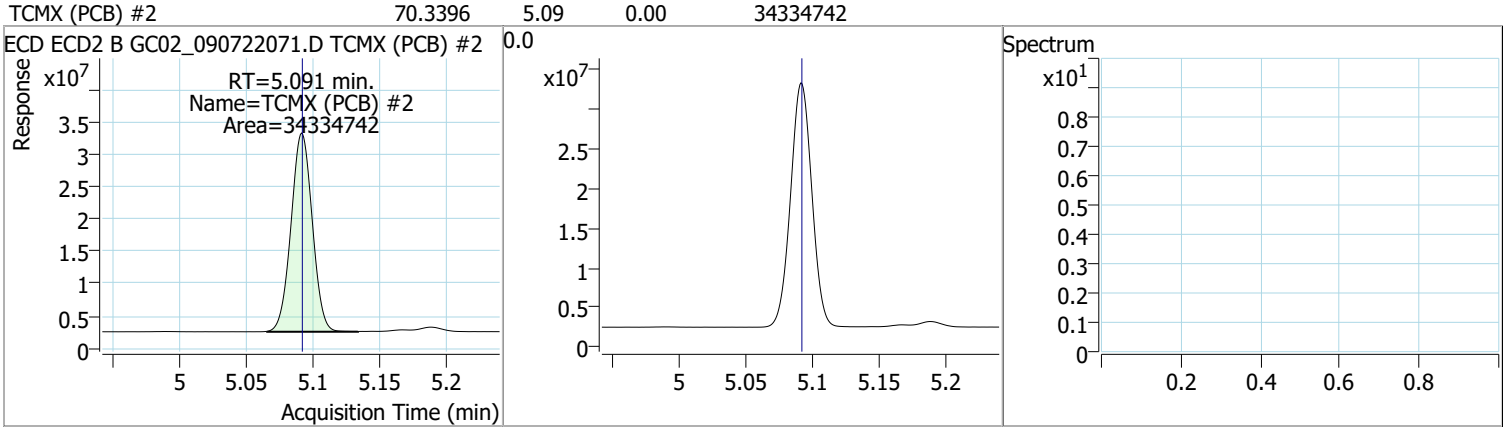
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.131	0.0	160343931.501	1780.8623	ng/ml		100
T AR1016 2	5.460	0.0	322374052.188	1854.6892	ng/ml		100
T AR1016 1 #2	5.549	0.0	8876743.105	1494.8830	ng/ml		100
T AR1016 3	5.898	0.0	557671125.078	2128.8982	ng/ml	m	100
T AR1016 2 #2	5.954	0.0	18672844.732	1557.4613	ng/ml		100
T AR1016 4	6.025	0.0	303808731.350	1969.7620	ng/ml		100
T AR1016 5	6.454	0.0	274795771.773	1934.4527	ng/ml		100
T AR1016 3 #2	6.456	0.0	23897054.988	1644.0626	ng/ml	m	100
T AR1016 4 #2	6.617	0.0	16889227.745	1558.0465	ng/ml		100
T AR1016 5 #2	7.246	0.0	14647845.307	1585.4655	ng/ml		100
T AR1260 1	8.196	0.0	534432050.915	1948.4050	ng/ml		100
T AR1260 2	8.740	0.0	836150993.291	1994.2493	ng/ml		100
T AR1260 3	9.368	0.0	1047860819.466	2067.3613	ng/ml		100
T AR1260 1 #2	9.724	0.0	29889048.836	1587.9723	ng/ml		100
T AR1260 4	10.027	0.0	606474425.735	2149.5072	ng/ml		100
T AR1260 2 #2	10.076	0.0	31213057.209	1471.8154	ng/ml		100
T AR1260 3 #2	10.598	0.0	39069475.535	1548.9305	ng/ml		100
T AR1260 5	10.857	0.0	805759828.308	2183.9400	ng/ml		100
T AR1260 4 #2	11.080	0.0	25265880.538	1739.0575	ng/ml		100
T AR1260 5 #2	11.745	0.0	34519919.293	1605.6702	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

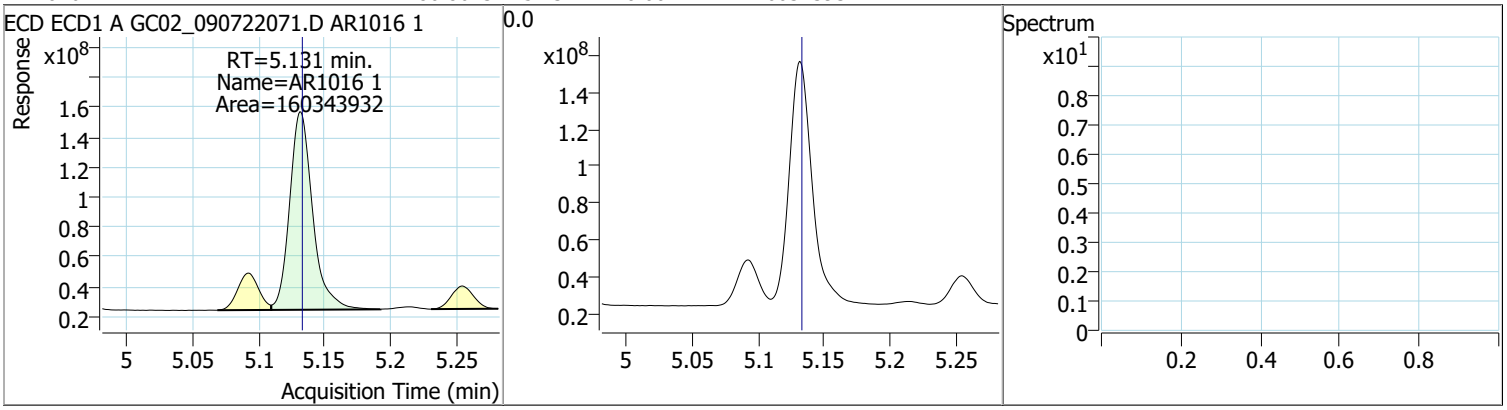
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	83.8113	4.80	0.00	811713043				



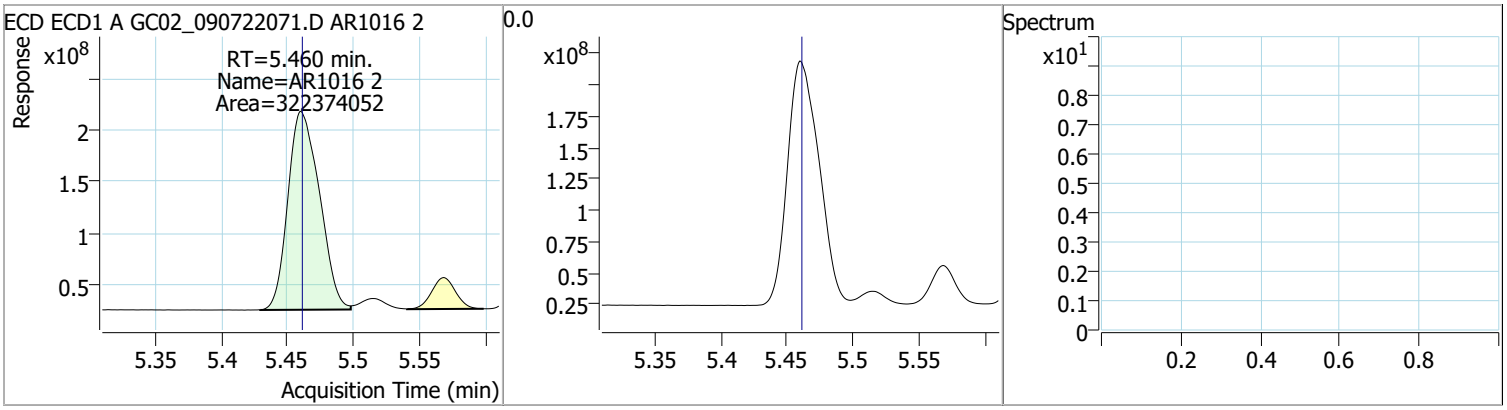
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	70.3396	5.09	0.00	34334742				



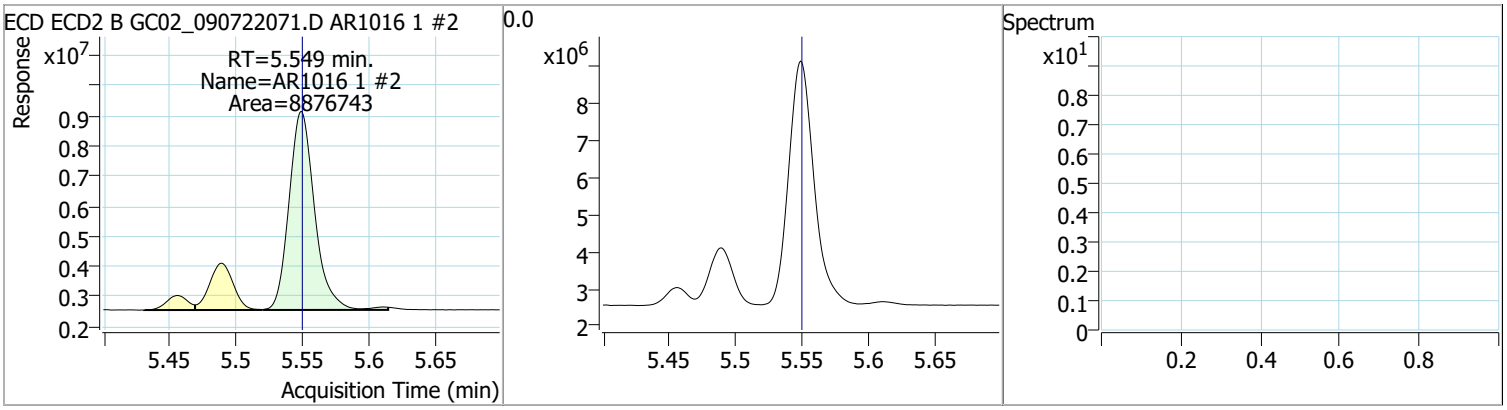
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1780.8623	5.13	0.00	160343932				



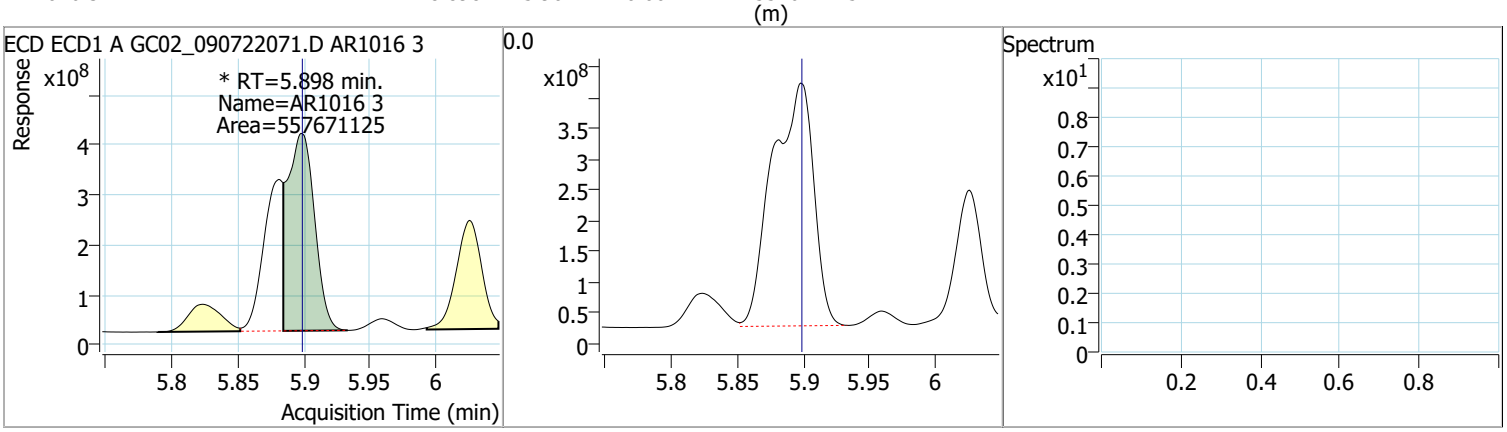
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1854.6892	5.46	0.00	322374052				



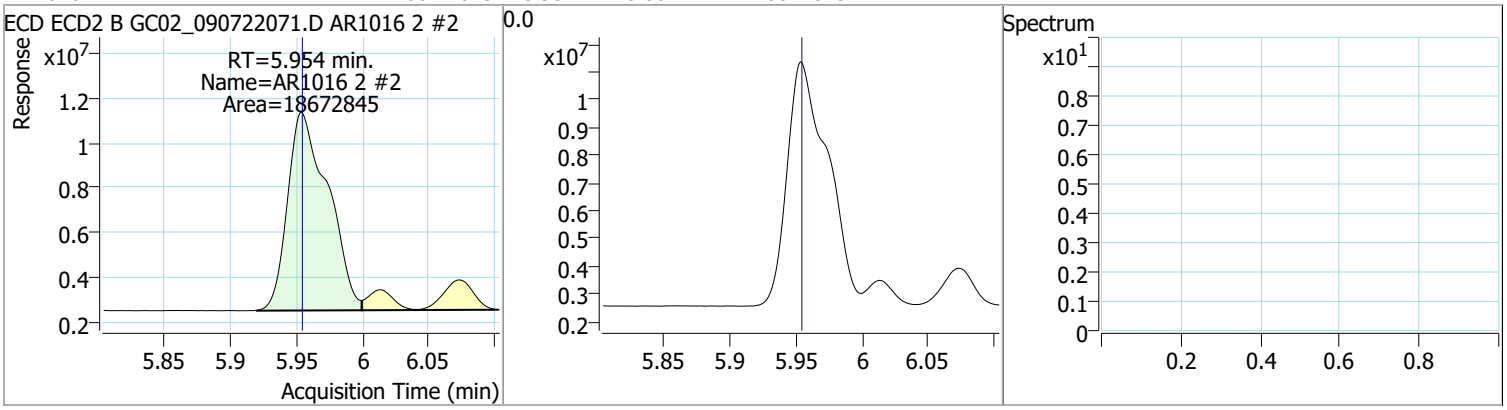
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1494.8830	5.55	0.00	8876743				



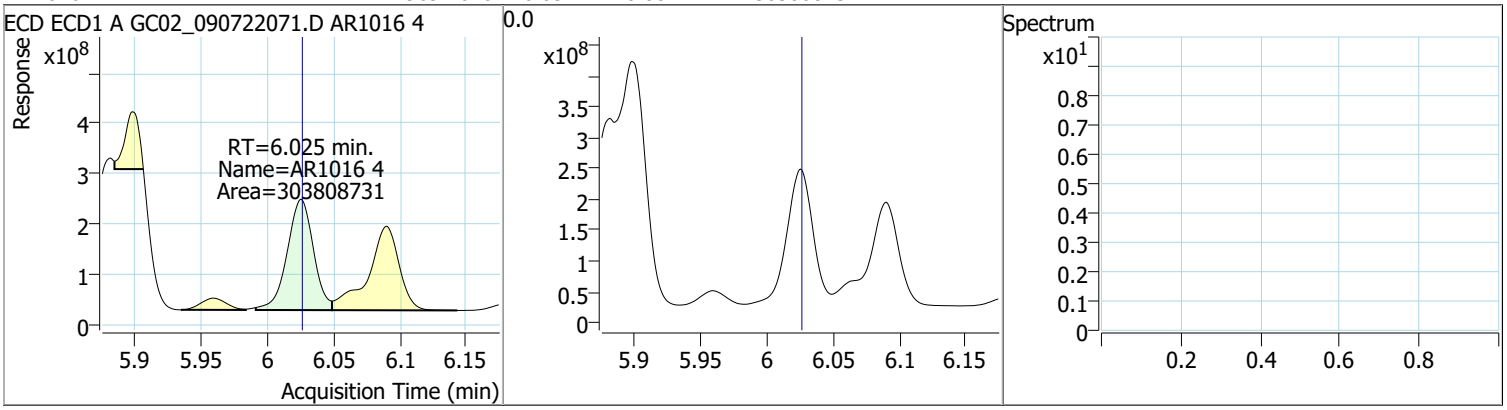
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	2128.8982	5.90	0.00	557671125 (m)				



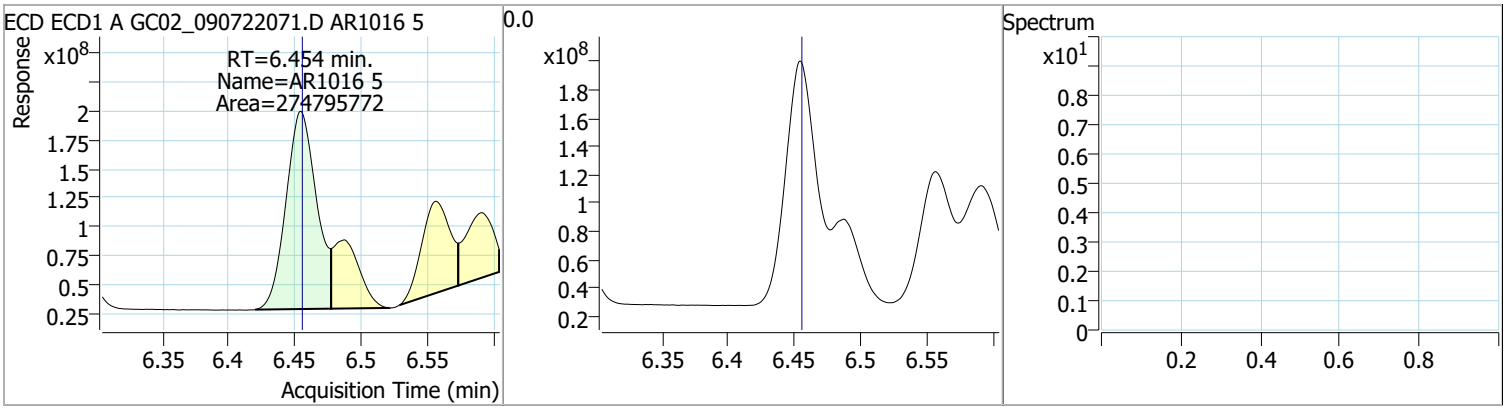
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1557.4613	5.95	0.00	18672845				



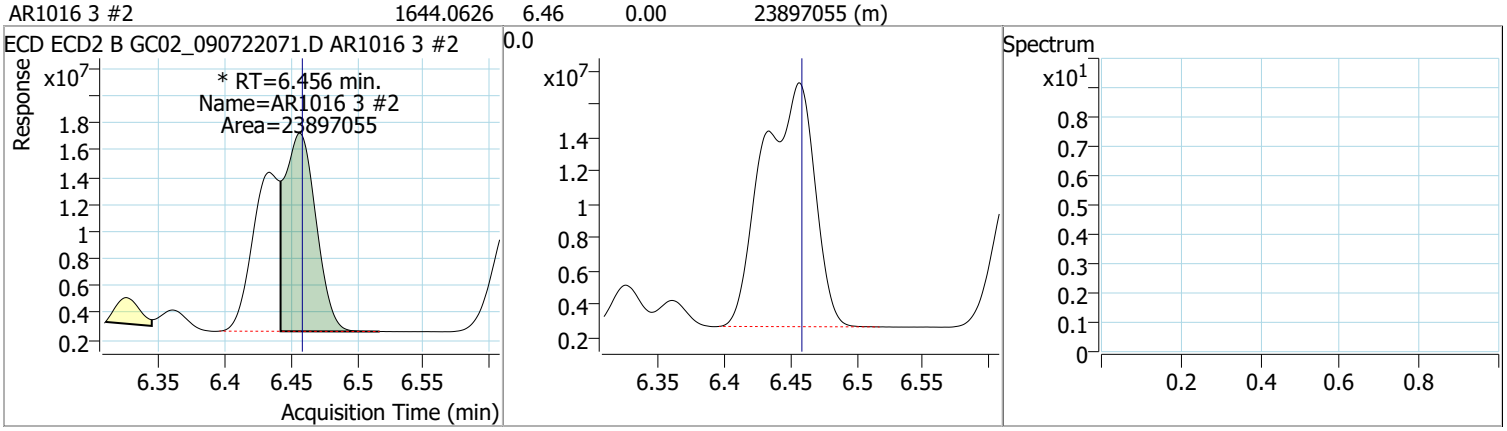
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1969.7620	6.03	0.00	303808731				



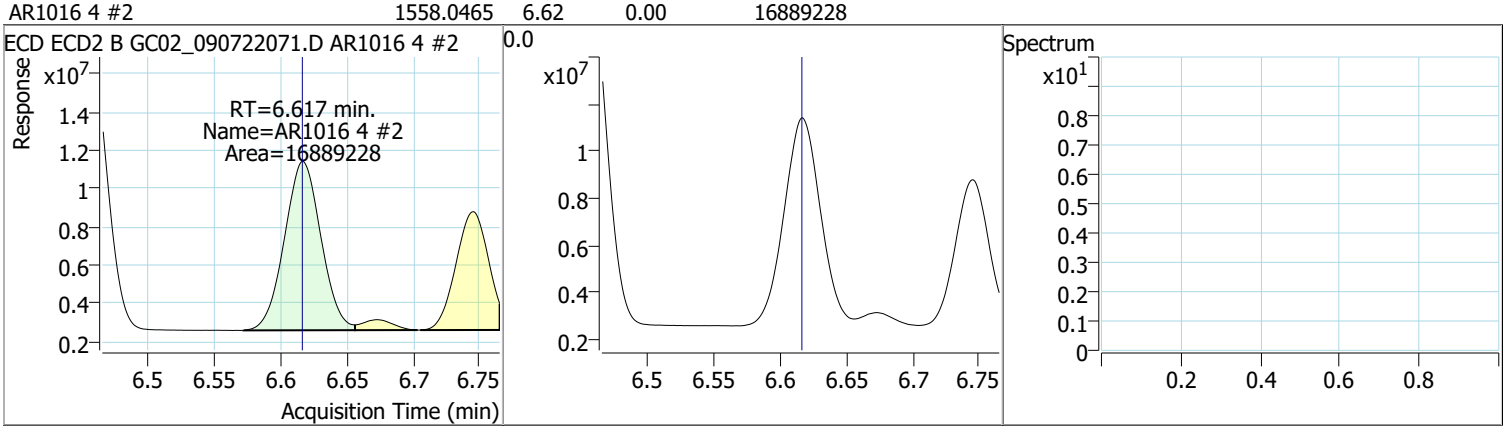
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1934.4527	6.45	0.00	274795772				



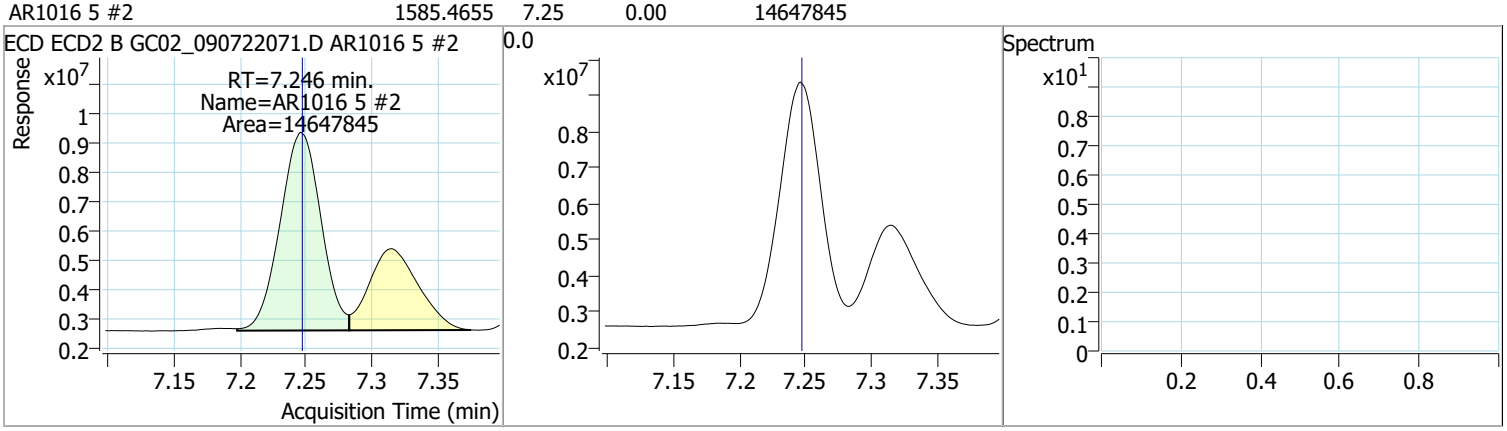
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1644.0626	6.46	0.00	23897055 (m)				



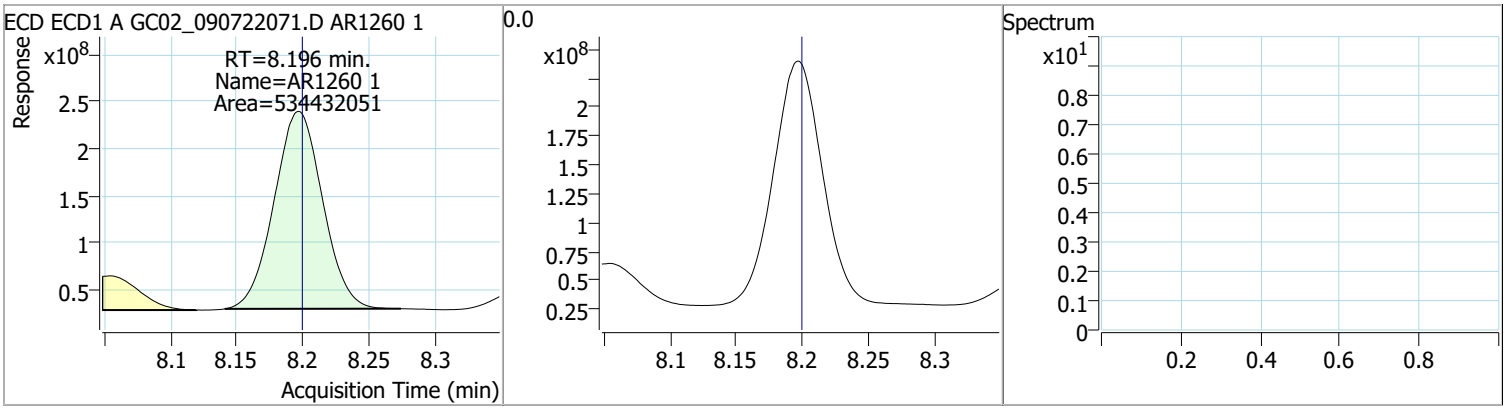
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1558.0465	6.62	0.00	16889228				



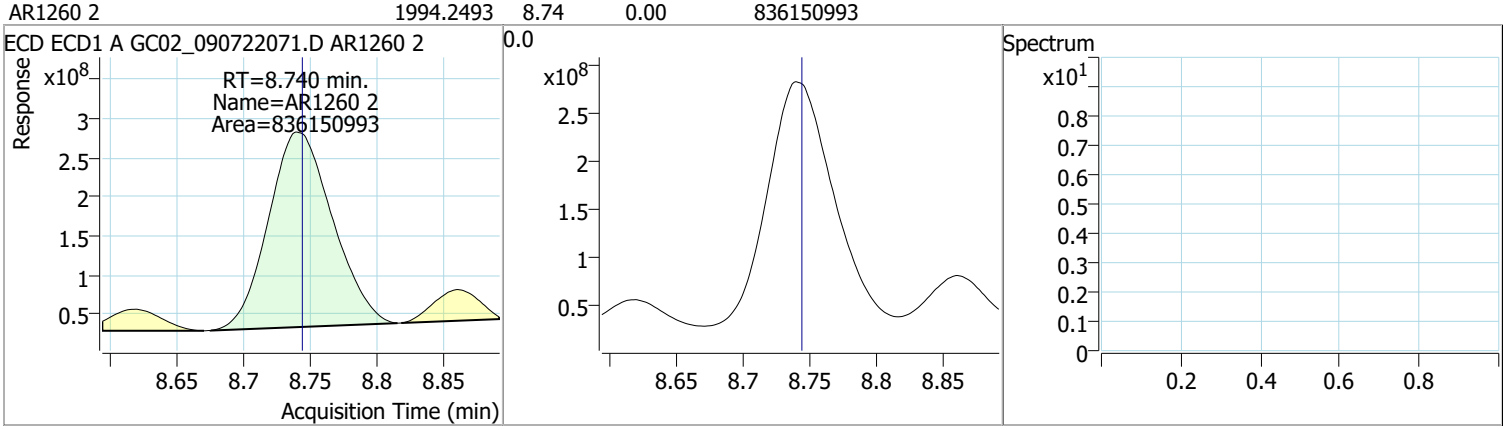
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1585.4655	7.25	0.00	14647845				



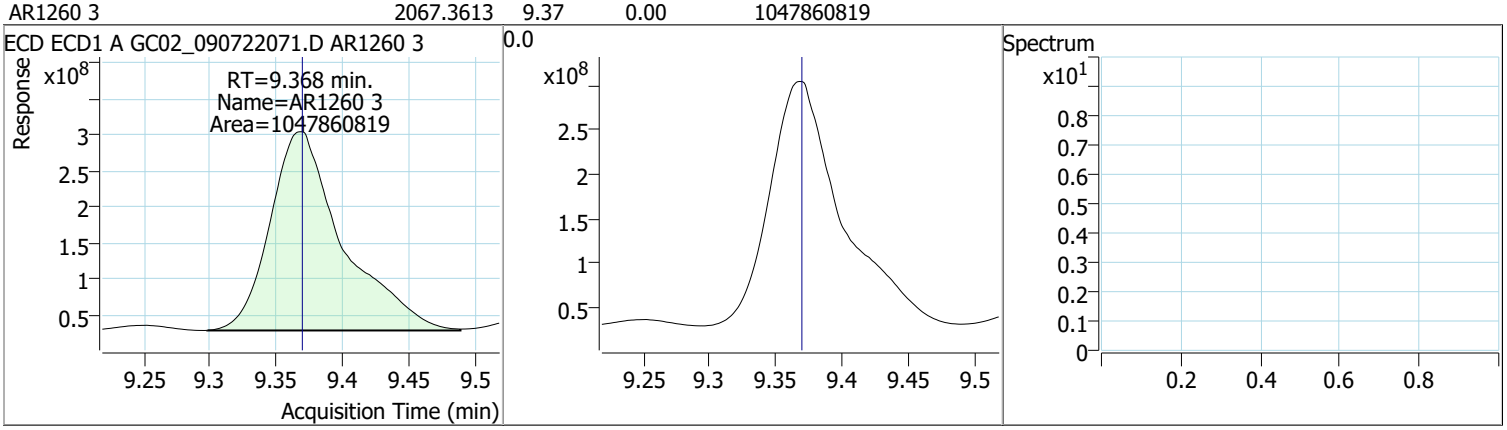
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1948.4050	8.20	0.00	534432051				



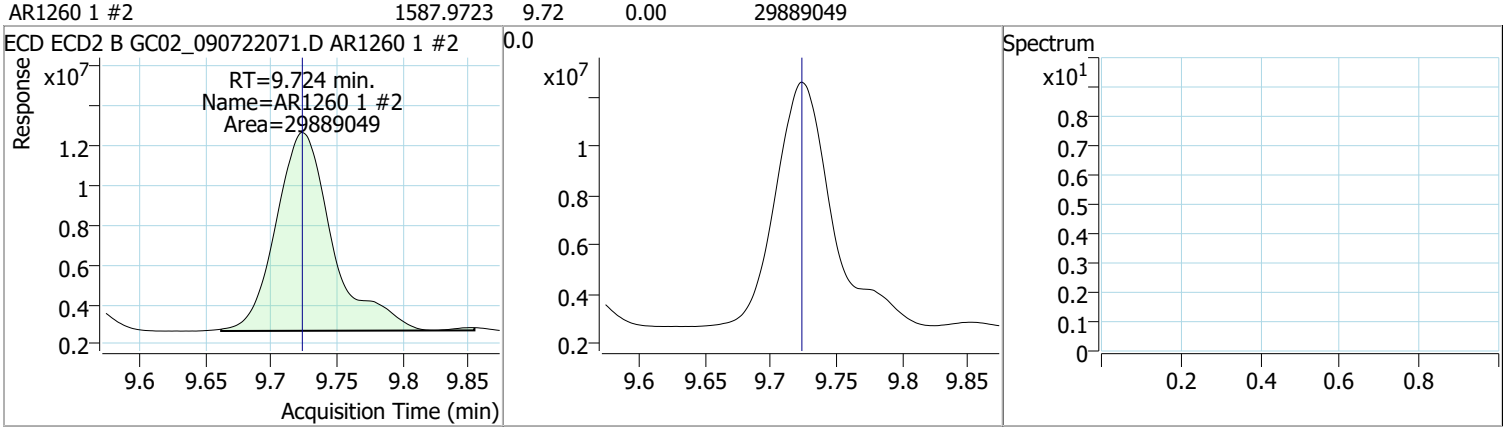
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1994.2493	8.74	0.00	836150993				



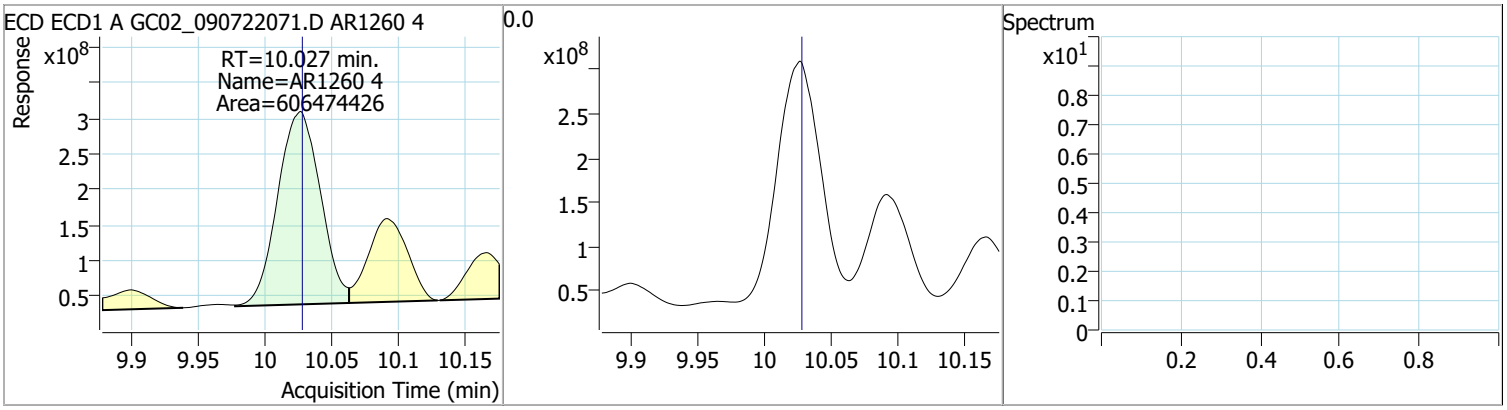
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2067.3613	9.37	0.00	1047860819				



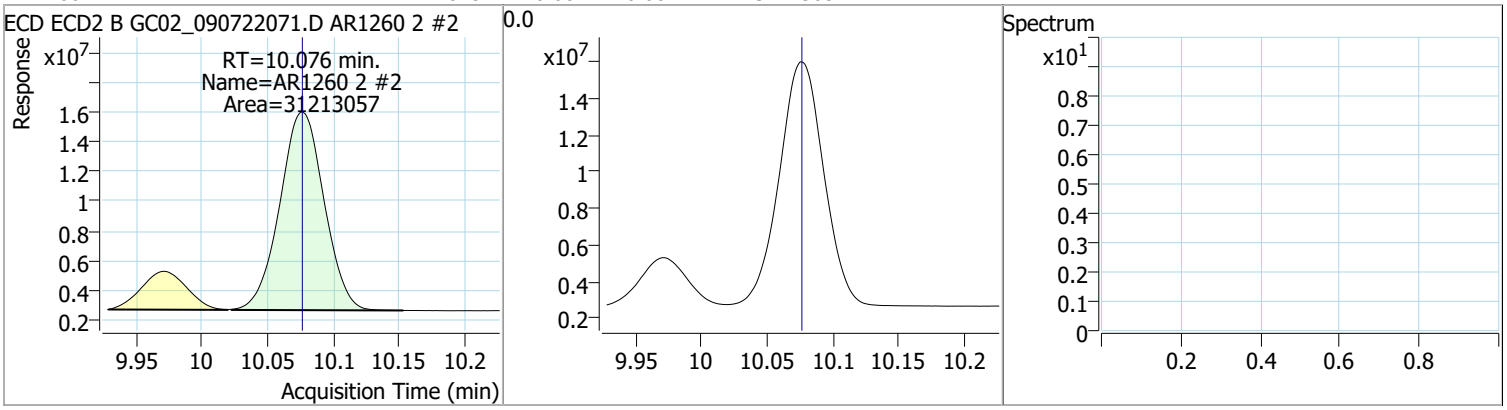
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1587.9723	9.72	0.00	29889049				



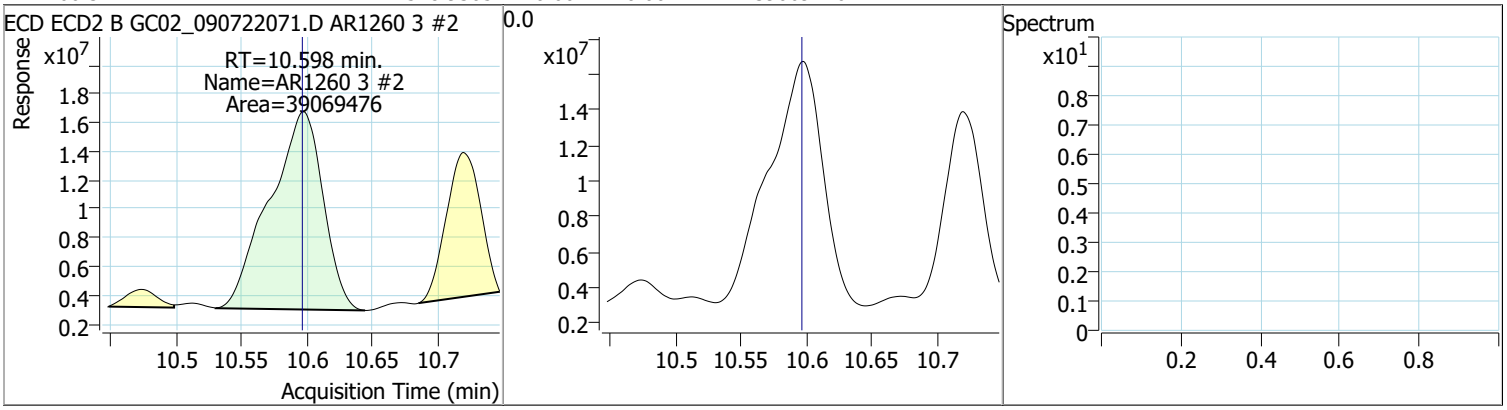
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	2149.5072	10.03	0.00	606474426				



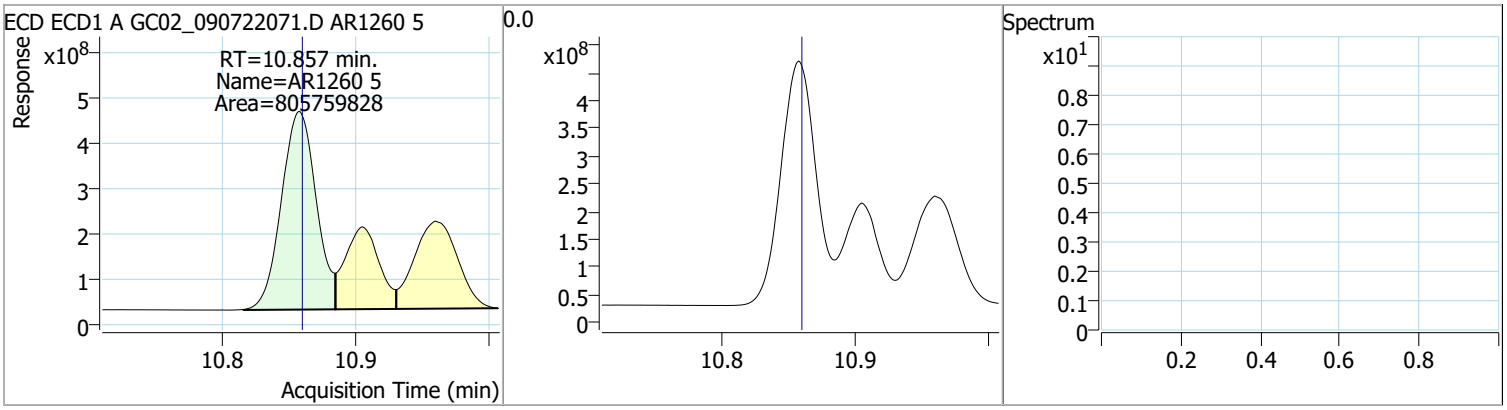
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1471.8154	10.08	0.00	31213057				



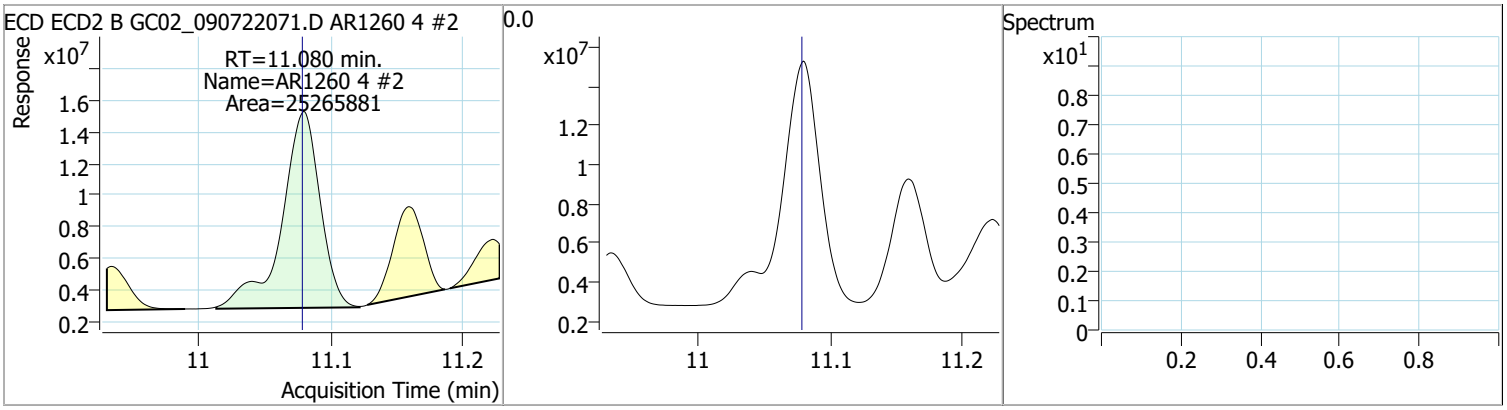
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1548.9305	10.60	0.00	39069476				



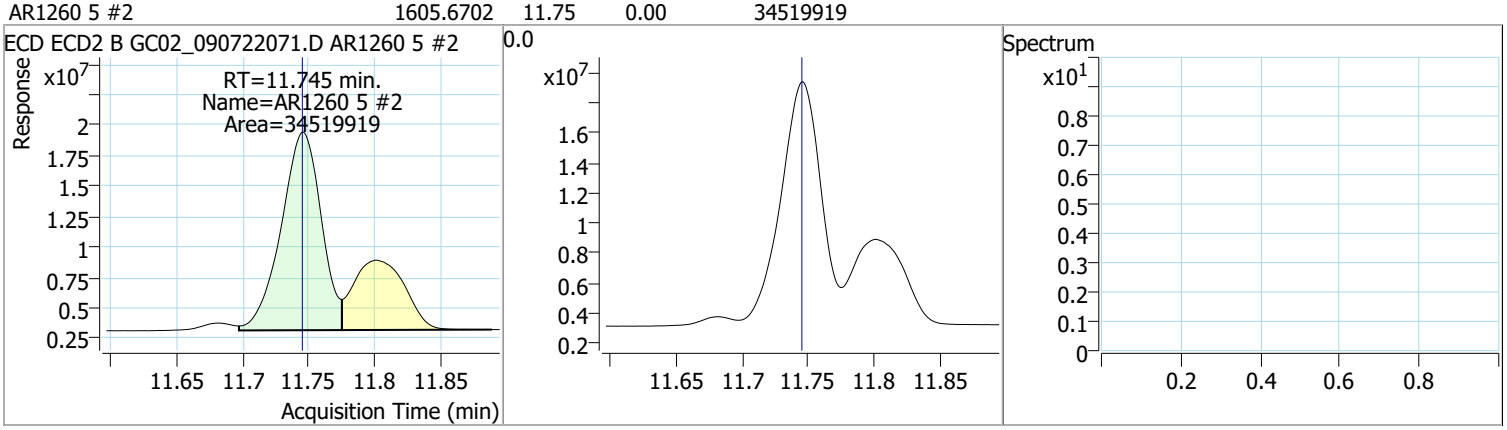
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	2183.9400	10.86	0.00	805759828				



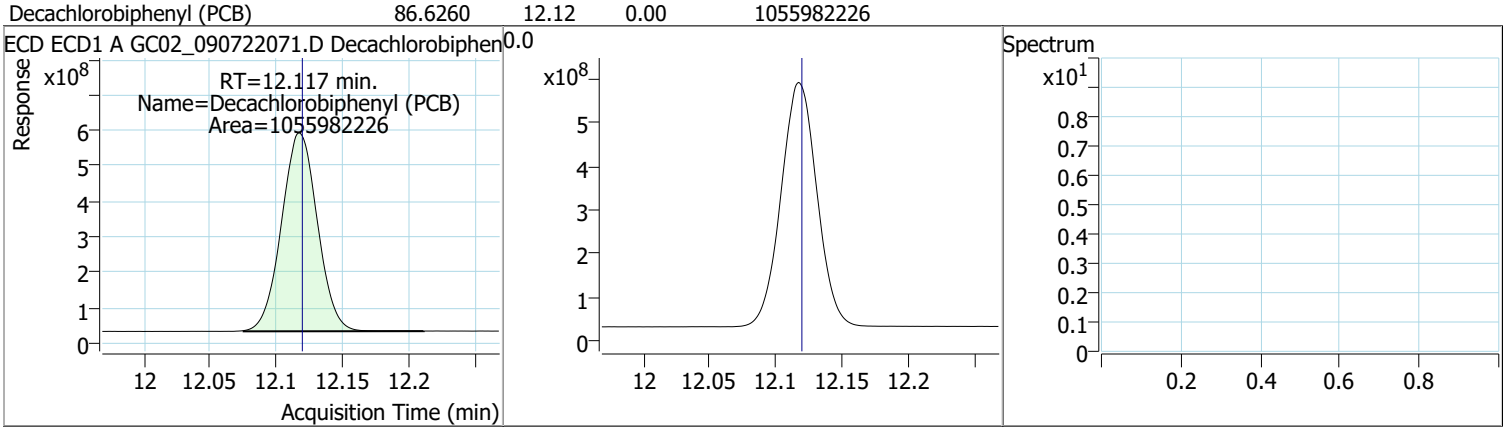
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1739.0575	11.08	0.00	25265881				



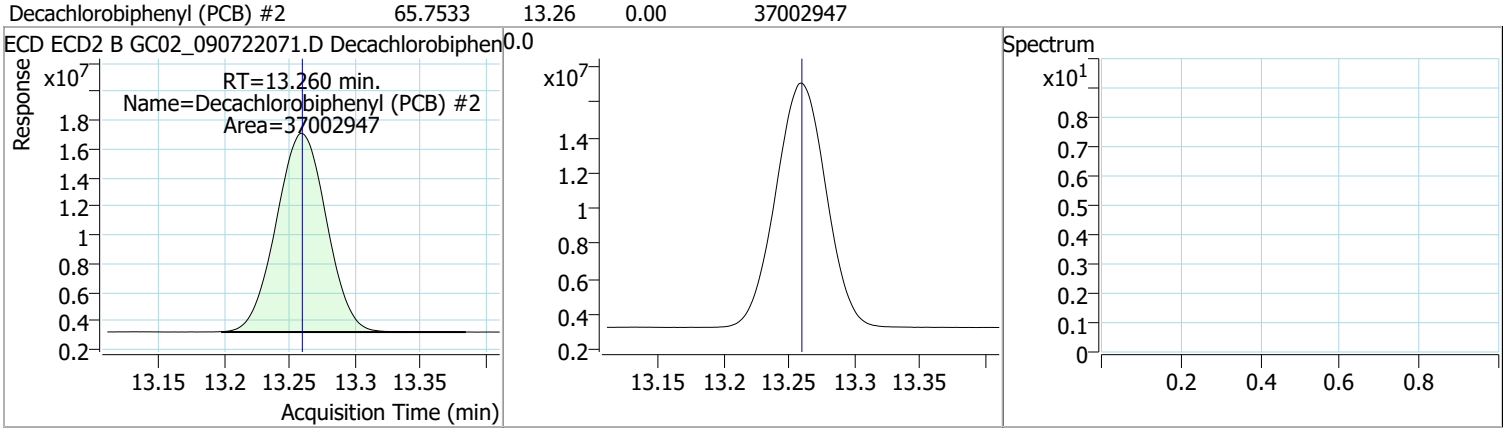
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1605.6702	11.75	0.00	34519919				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	86.6260	12.12	0.00	1055982226				

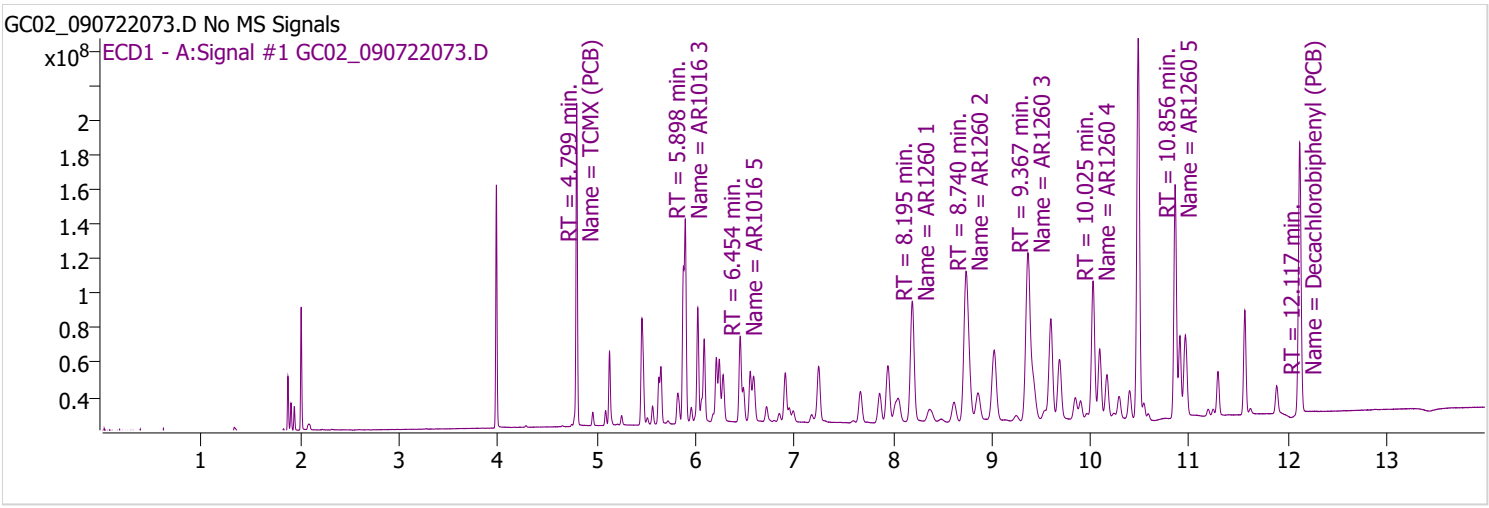


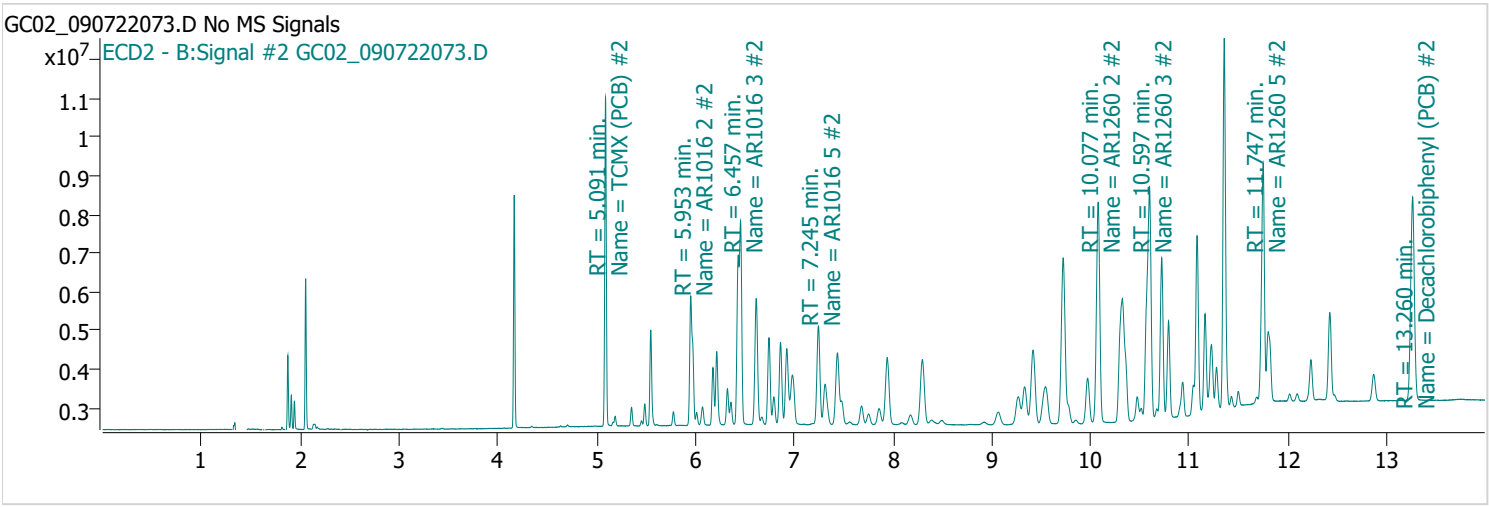
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	65.7533	13.26	0.00	37002947				



Quantitation Results Report (Not Reviewed)

Data File	GC02_090722073.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/8/2022 12:44:06 AM
Sample Name	ICV, S17274	Instrument	SVOA-GC02
Vial	50	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_1.m	Comment	500 PPB PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	090722PCBICAL.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



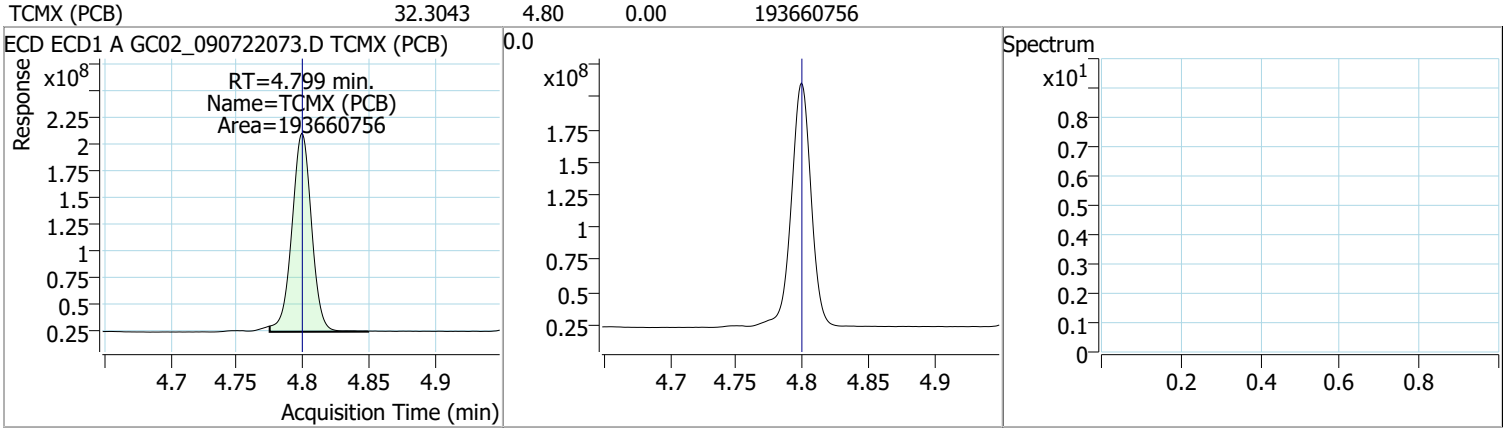


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	126735862.510	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.167	0.0	5641985.385	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	4.799	0.0	193660755.663	32.3043	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.52%		*	
S TCMX (PCB) #2	5.091	0.0	9512724.937	32.4652	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.33%		*	
S Decachlorobiphenyl (PCB)	12.117	0.0	305737294.734	40.5190	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.59%		*	
S Decachlorobiphenyl (PCB) #2	13.260	0.0	13679603.713	40.4950	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.48%		*	
Target Compounds							QValue

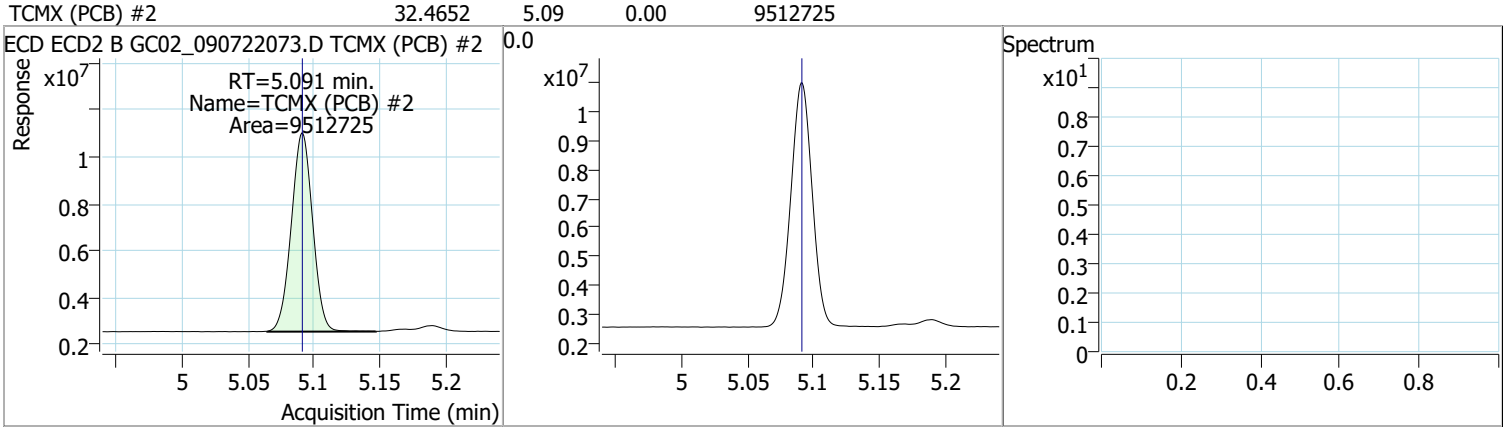
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.132	0.0	52109119.723	467.4986	ng/ml		100
T AR1016 2	5.460	0.0	105075756.862	488.3176	ng/ml		100
T AR1016 1 #2	5.548	0.0	3299063.975	462.7658	ng/ml		100
T AR1016 3	5.898	0.0	160687753.455	495.5053	ng/ml	m	100
T AR1016 2 #2	5.953	0.0	7078691.248	491.7866	ng/ml		100
T AR1016 4	6.025	0.0	92239566.243	483.0805	ng/ml		100
T AR1016 5	6.454	0.0	82830318.697	471.0057	ng/ml		100
T AR1016 3 #2	6.457	0.0	8650954.509	495.7411	ng/ml	m	100
T AR1016 4 #2	6.616	0.0	6286832.029	456.8477	ng/ml		100
T AR1016 5 #2	7.245	0.0	5428986.482	489.4618	ng/ml		100
T AR1260 1	8.195	0.0	188654782.245	555.5758	ng/ml		100
T AR1260 2	8.740	0.0	294294534.161	566.9774	ng/ml		100
T AR1260 3	9.367	0.0	370554638.619	616.8271	ng/ml		100
T AR1260 1 #2	9.722	0.0	12308436.517	544.6916	ng/ml		100
T AR1260 4	10.025	0.0	169785352.342	486.0886	ng/ml		100
T AR1260 2 #2	10.077	0.0	13340050.233	523.9519	ng/ml		100
T AR1260 3 #2	10.597	0.0	17325055.521	572.1184	ng/ml		100
T AR1260 5	10.856	0.0	247838504.499	542.6161	ng/ml		100
T AR1260 4 #2	11.078	0.0	9517492.297	545.6561	ng/ml		100
T AR1260 5 #2	11.747	0.0	12859017.538	498.2087	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

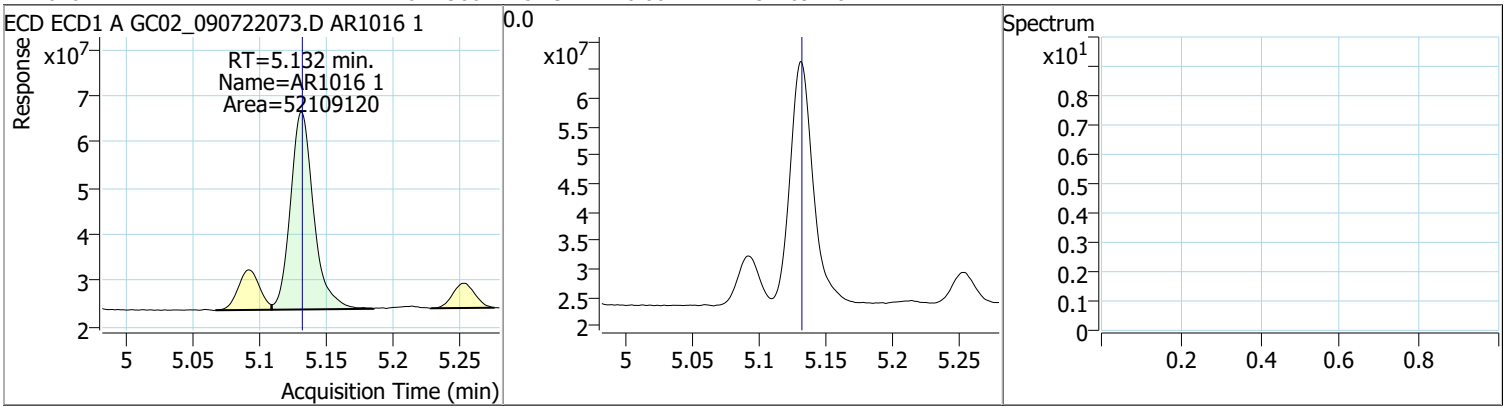
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.3043	4.80	0.00	193660756				



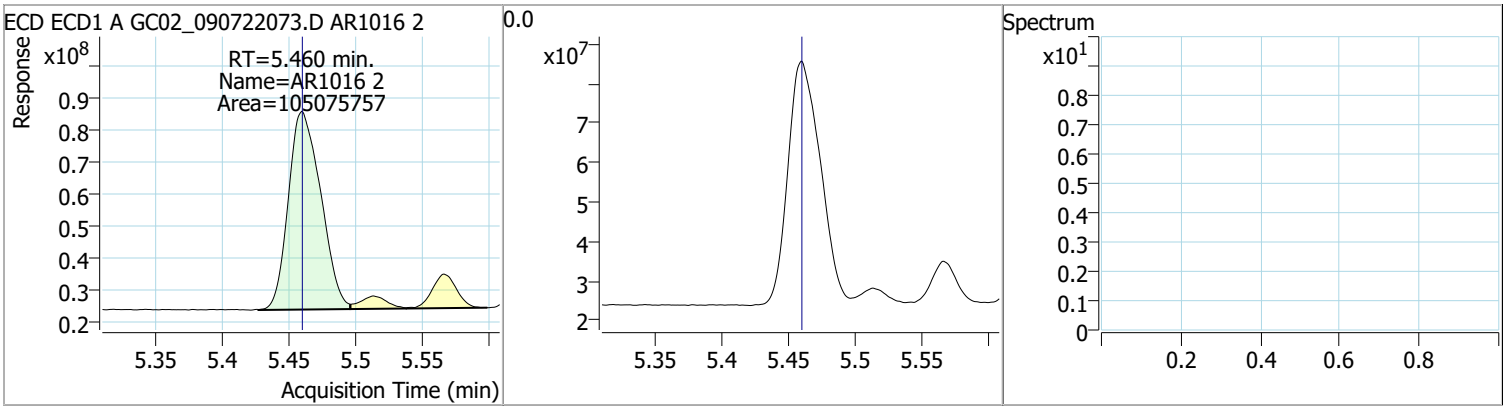
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.4652	5.09	0.00	9512725				



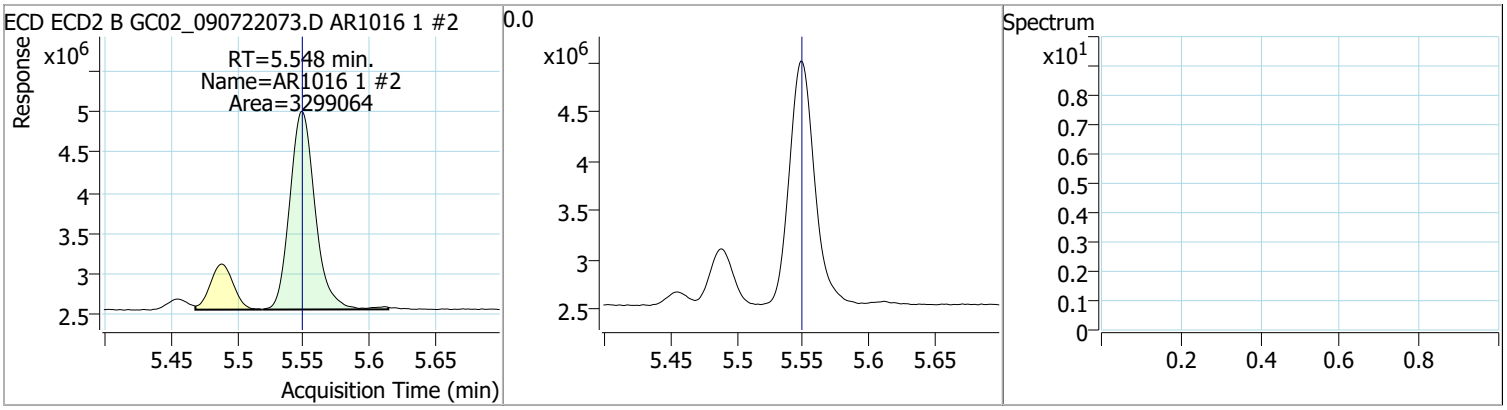
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	467.4986	5.13	0.00	52109120				



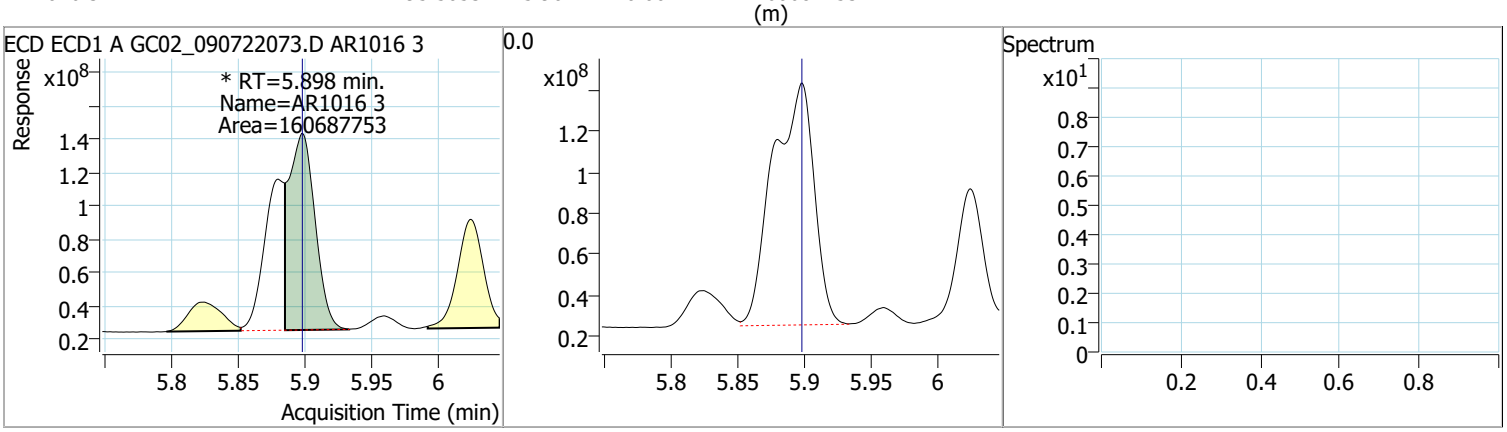
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	488.3176	5.46	0.00	105075757				



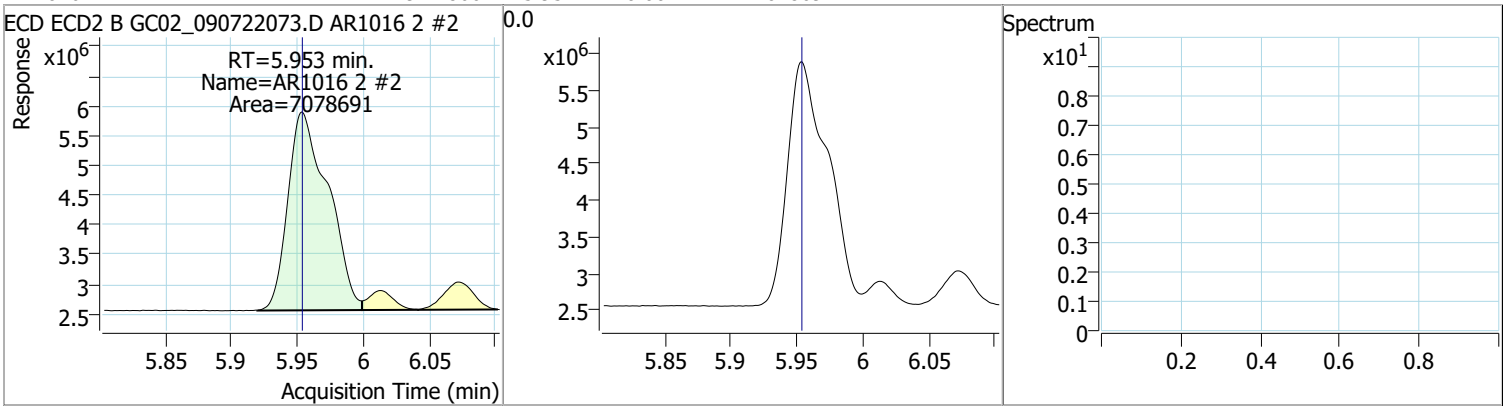
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	462.7658	5.55	0.00	3299064				



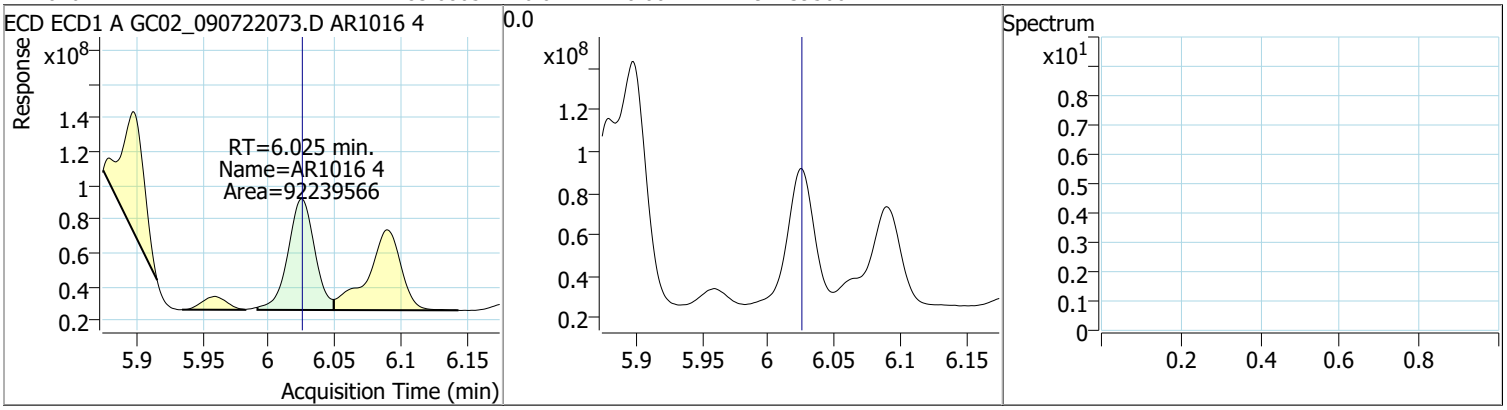
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	495.5053	5.90	0.00	160687753 (m)				



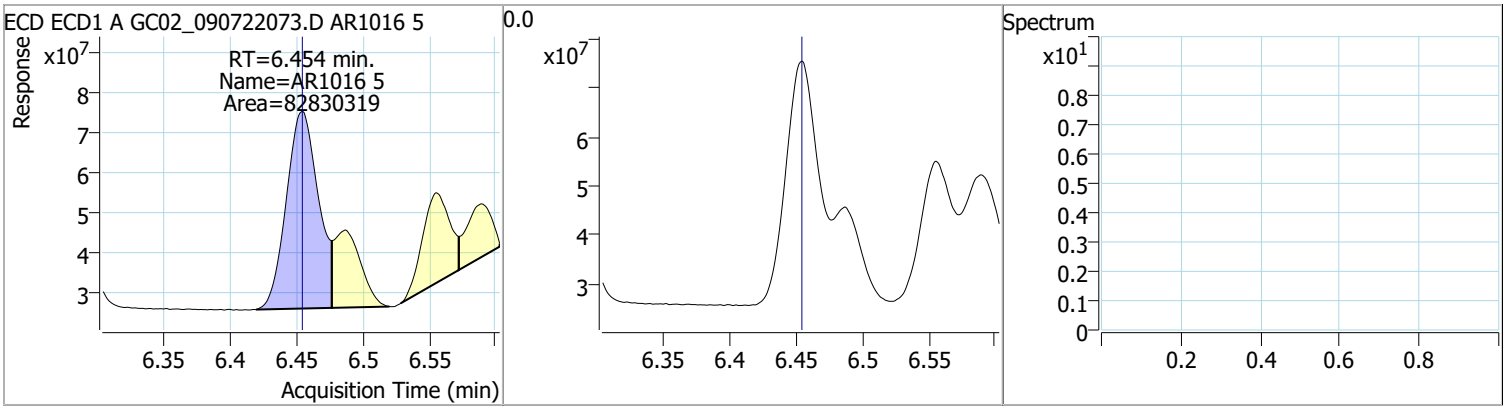
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	491.7866	5.95	0.00	7078691				



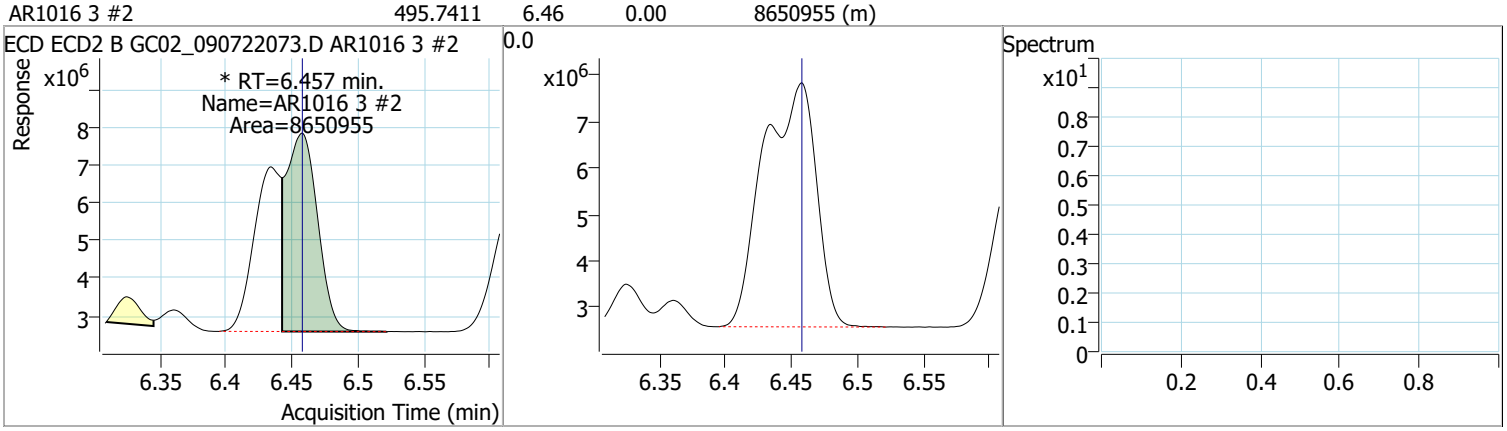
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	483.0805	6.02	0.00	92239566				



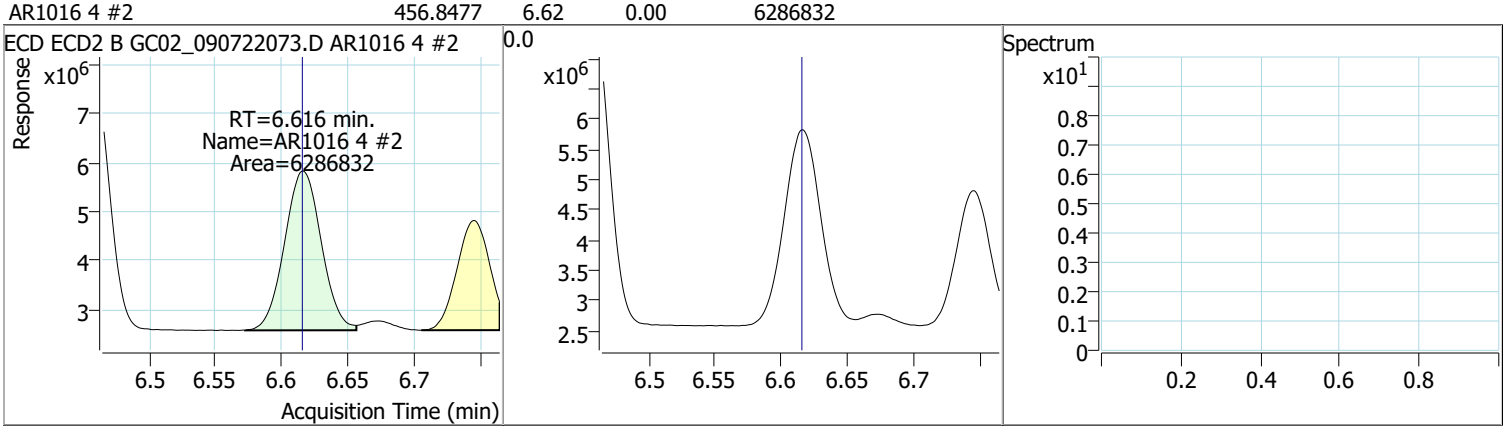
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	471.0057	6.45	0.00	82830319				



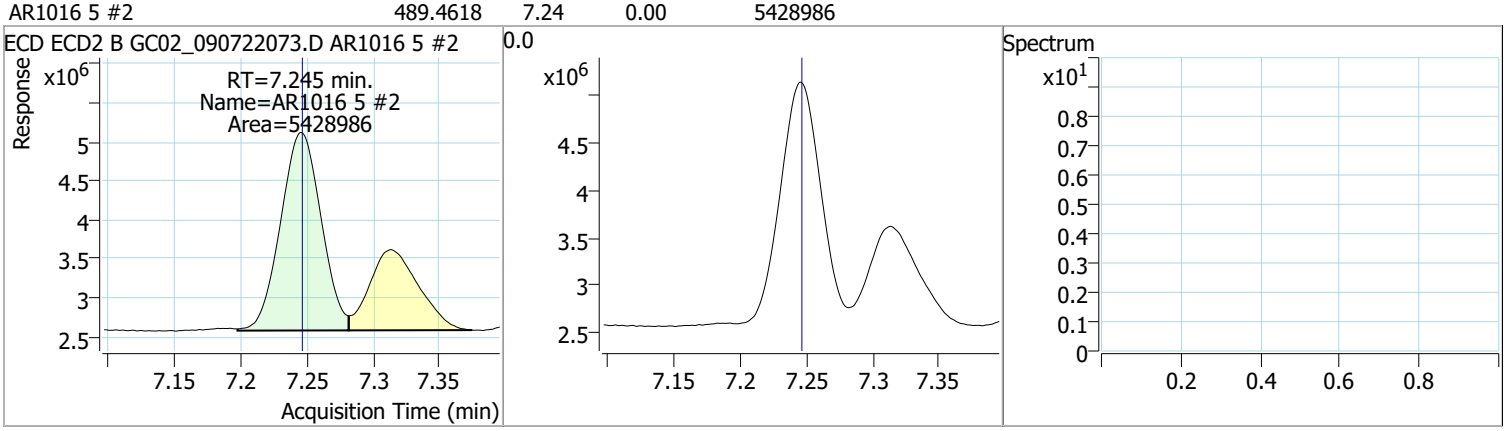
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	495.7411	6.46	0.00	8650955 (m)				



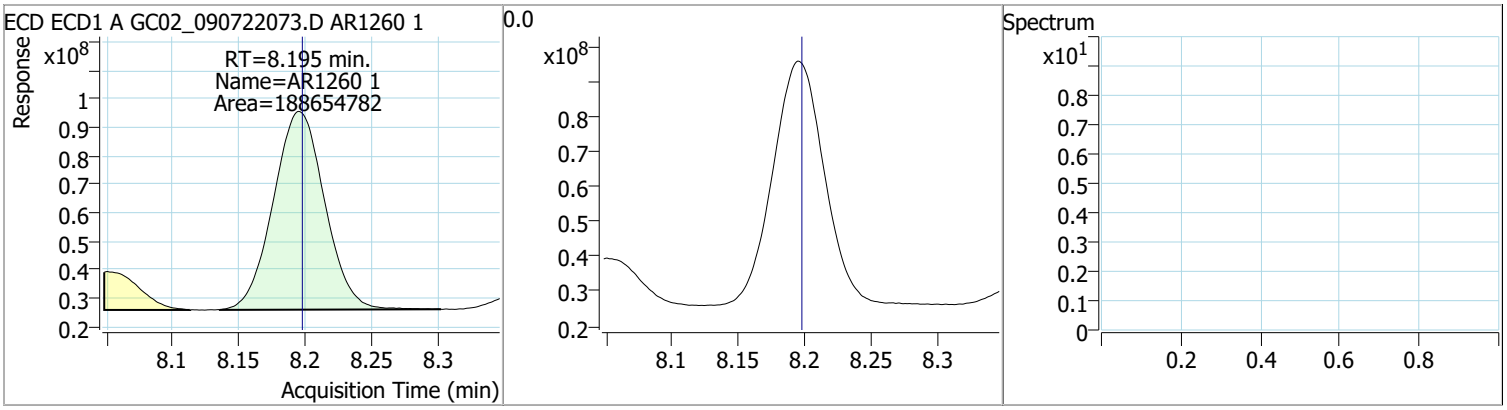
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	456.8477	6.62	0.00	6286832				



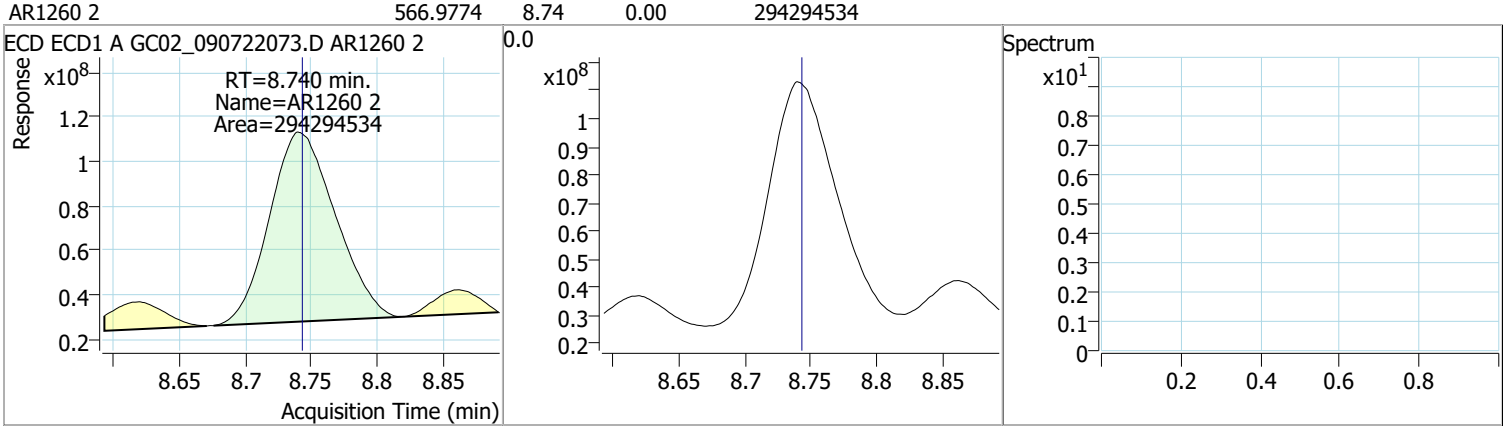
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	489.4618	7.24	0.00	5428986				



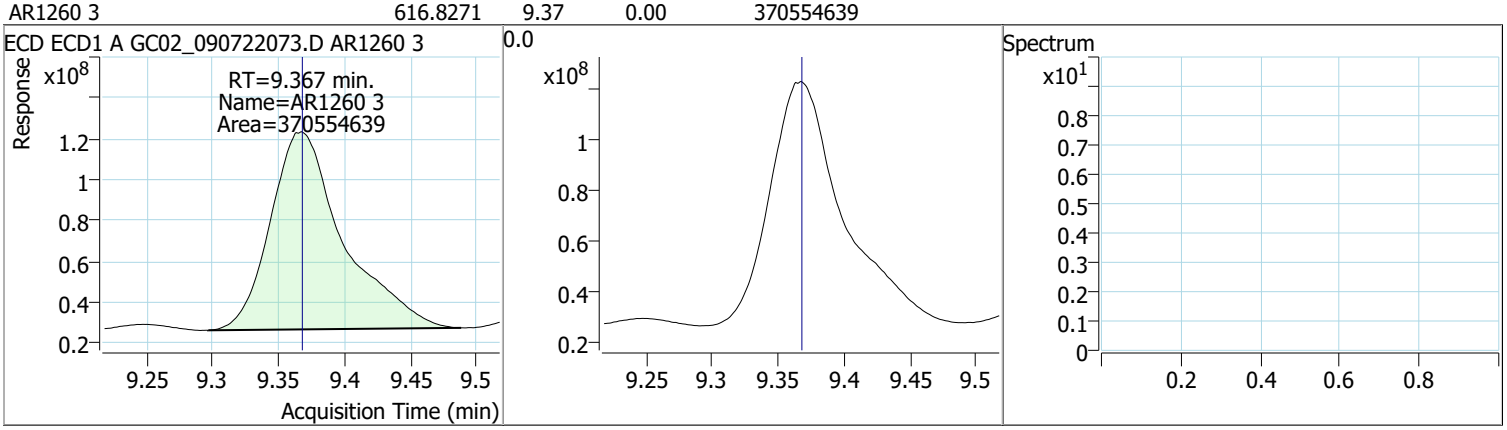
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	555.5758	8.19	0.00	188654782				



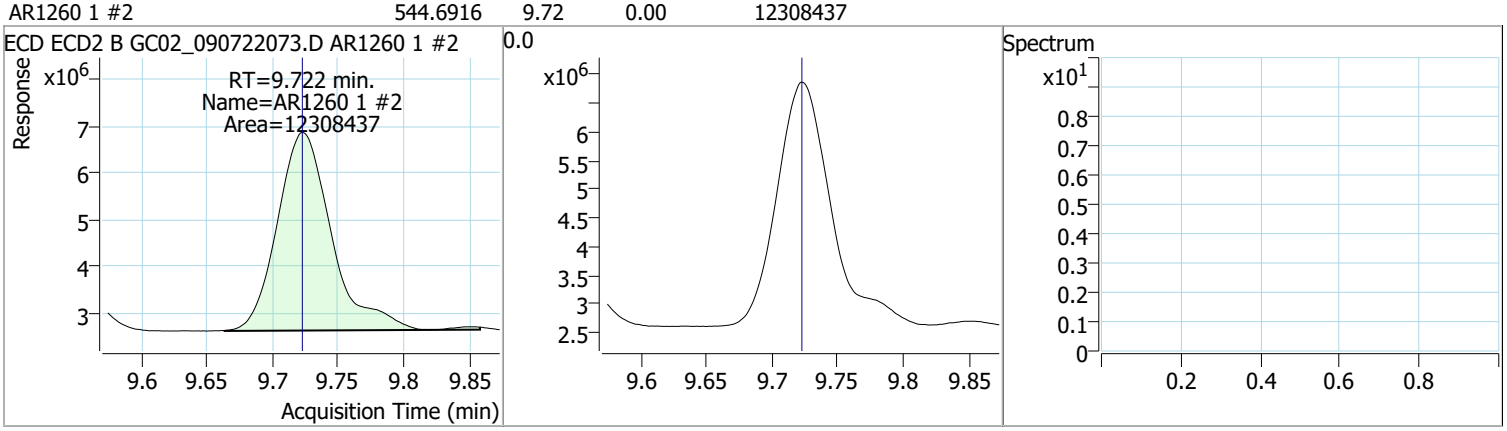
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	566.9774	8.74	0.00	294294534				



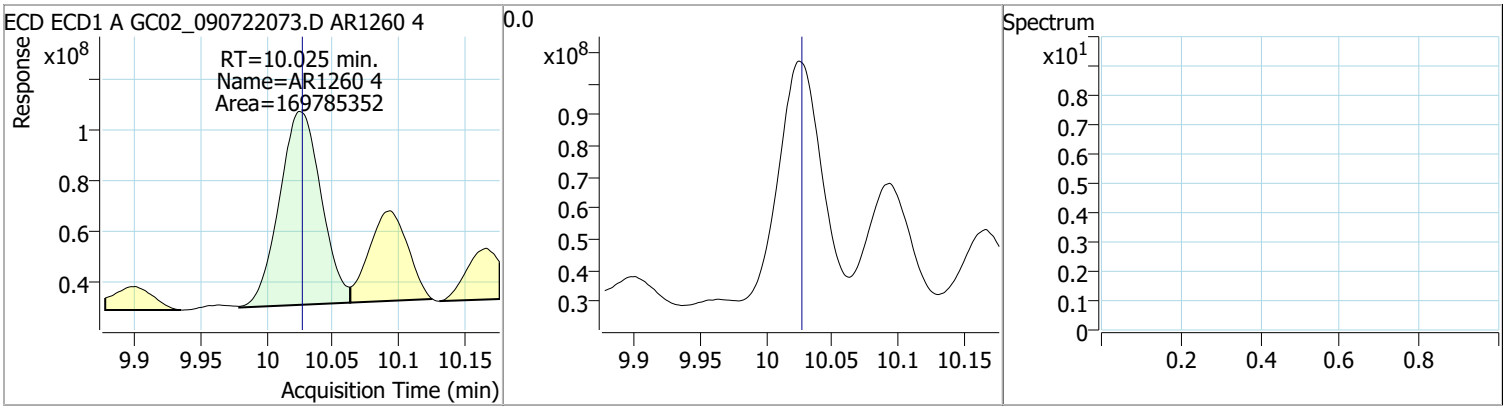
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	616.8271	9.37	0.00	370554639				



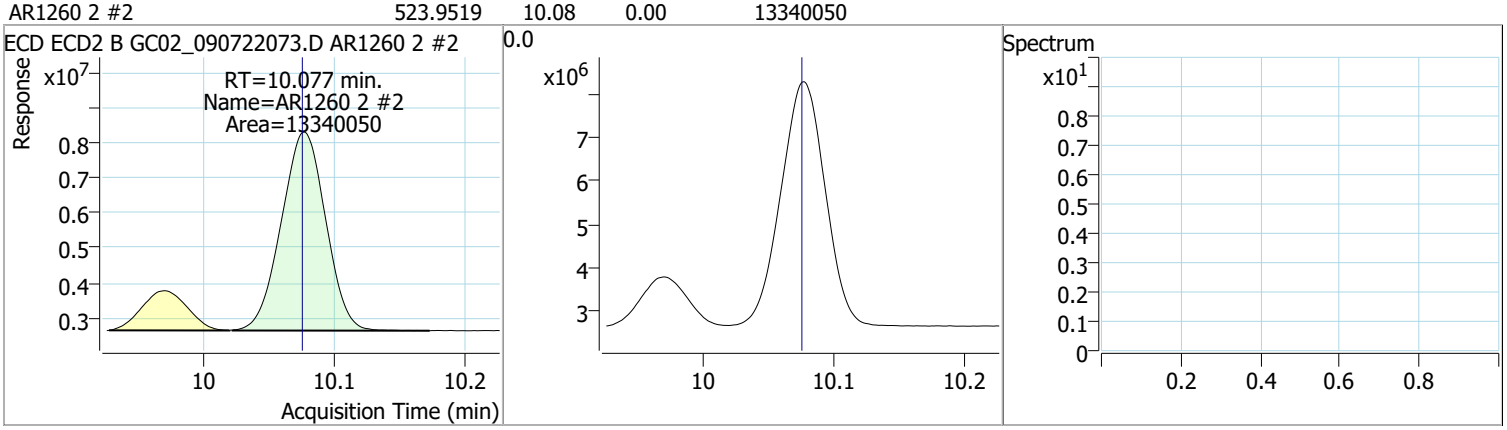
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	544.6916	9.72	0.00	12308437				



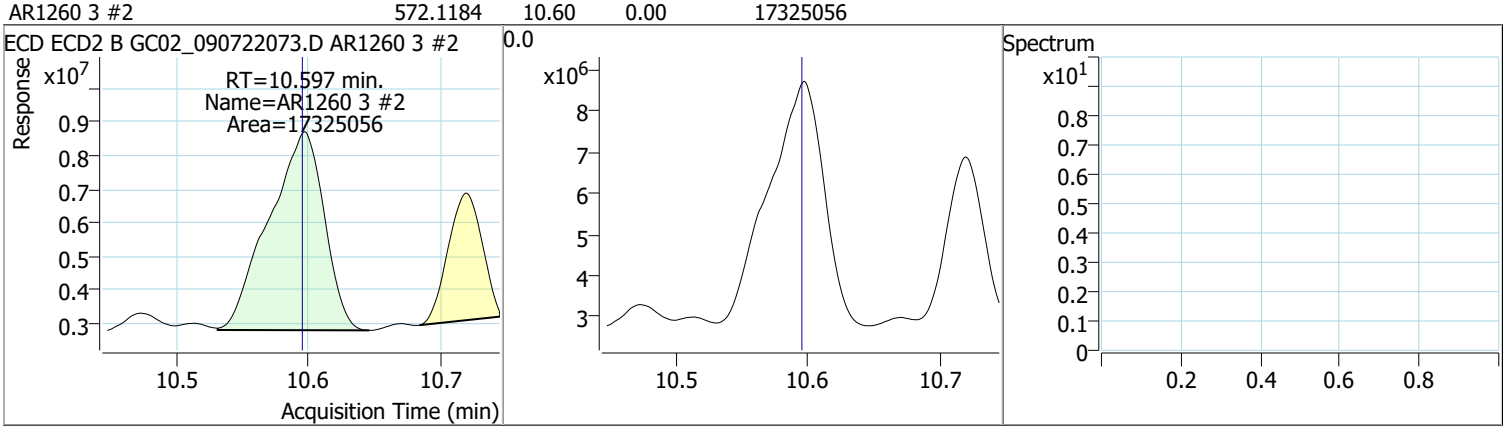
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	486.0886	10.02	0.00	169785352				



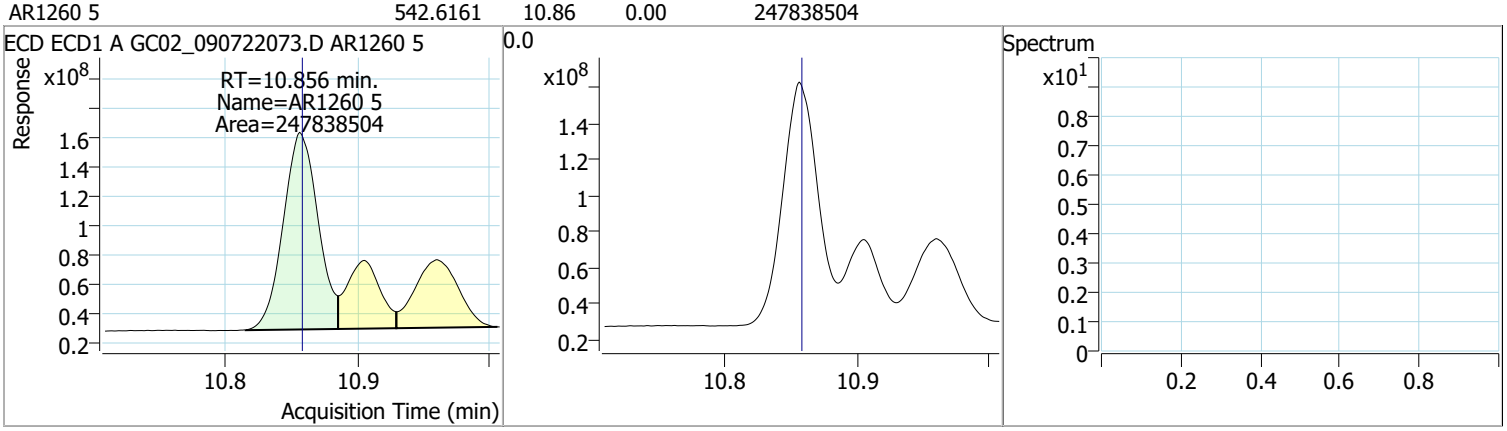
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	523.9519	10.08	0.00	13340050				



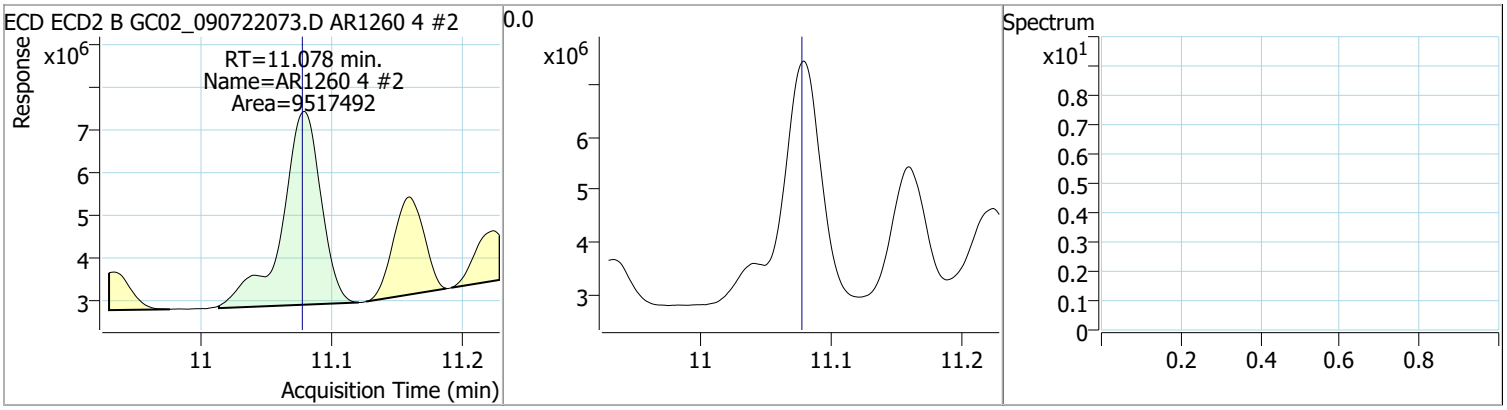
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	572.1184	10.60	0.00	17325056				



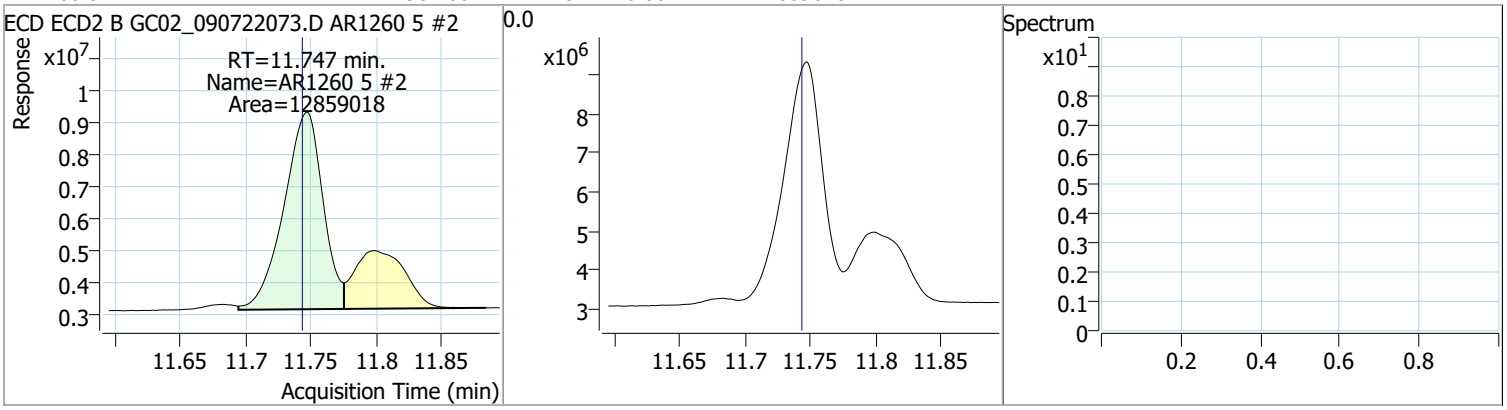
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	542.6161	10.86	0.00	247838504				



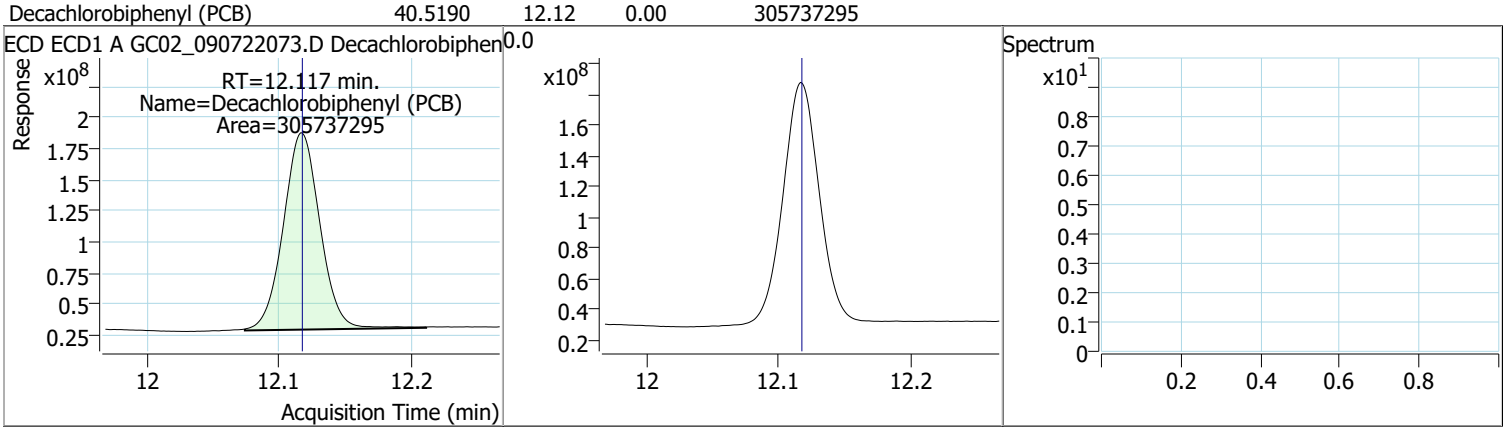
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	545.6561	11.08	0.00	9517492				



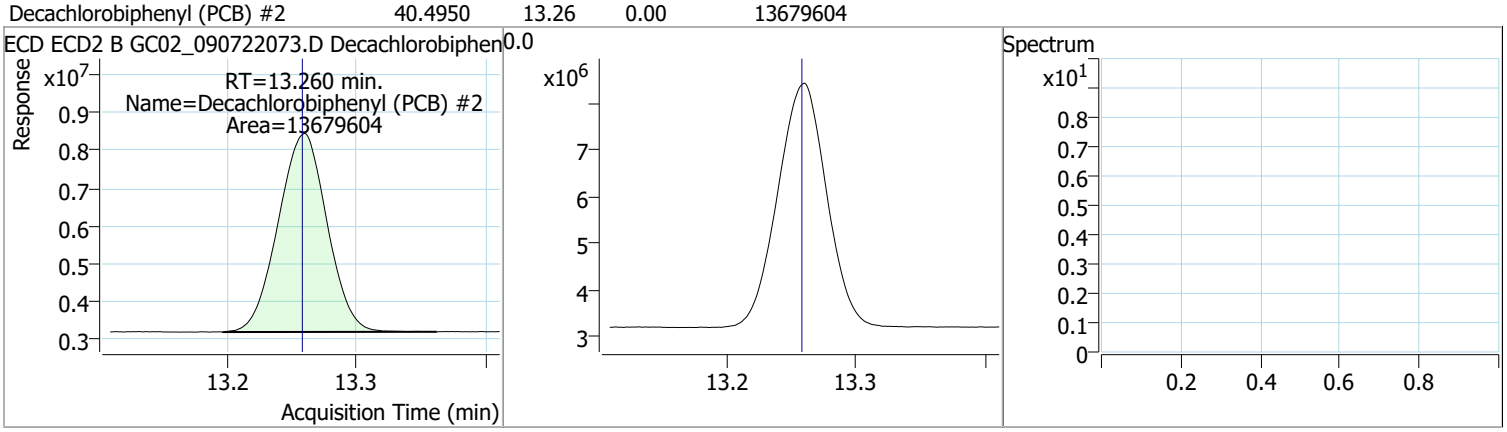
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	498.2087	11.75	0.00	12859018				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	40.5190	12.12	0.00	305737295				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.4950	13.26	0.00	13679604				



ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_092322_1
Calibration #:	212383934001	Date:	23-SEP-2022 14:54
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc02_092322-015	212383934015		23-SEP-2022 14:54	S17263
L2	gc02_092322-016	212383934016		23-SEP-2022 15:12	S17264
L3	gc02_092322-017	212383934017		23-SEP-2022 15:30	S17265
L4	gc02_092322-018	212383934018		23-SEP-2022 15:48	S17266
L5	gc02_092322-019	212383934019		23-SEP-2022 16:06	S17267
L6	gc02_092322-020	212383934020		23-SEP-2022 16:24	S17268
L7	gc02_092322-021	212383934021		23-SEP-2022 16:42	S17269
L8	gc02_092322-022	212383934022		23-SEP-2022 16:59	S17270
L9	gc02_092322-023	212383934023		23-SEP-2022 17:17	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		68.5980		0.0146	5	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		31.8187		0.0314	7	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.6183		0.0485	16	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		31.2061		0.0320	11	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		38.7780		0.0258	11	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		19.7289		0.0507	11	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		12.1743		0.0821	12	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		10.9188		0.0916	14	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		19.5250		0.0512	14	8	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		14.2326		0.0703	17	8	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.86215		1.1599	17	8	.99	20	
TCMX (PCB)	A	AVRG		1.03048		0.9704	17	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		41.8231		0.0239	18	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		19.8981		0.0503	17	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		16.3234		0.0613	14	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		22.7091		0.0440	15	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		26.5108		0.0377	16	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		13.3207		0.0751	18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		11.4227		0.0875	18	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		9.33789		0.1071	15	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		15.2985		0.0654	16	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		10.1950		0.0981	15	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.77402		1.2920	15	9	.99	20	
TCMX (PCB)	B	AVRG		0.96300		1.0384	11	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_092322_1
Calibration #:	212383934001	Date:	23-SEP-2022 14:54
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0162	0.0153	0.0141	0.0139	0.0139	0.0143	0.0142	0.0145	0.0150
Aroclor-1016 Peak # 2	A	0.0359	0.0306	0.0294	0.0294	0.0290	0.0314	0.0313	0.0320	0.0339
Aroclor-1016 Peak # 3	A	0.0448	0.0380	0.0411	0.0432	0.0475	0.0525	0.0519	0.0566	0.0610
Aroclor-1016 Peak # 4	A	0.0332	0.0289	0.0269	0.0289	0.0313	0.0329	0.0332	0.0349	0.0382
Aroclor-1016 Peak # 5	A	0.0282	0.0226	0.0224	0.0231	0.0248	0.0262	0.0264	0.0277	0.0307
Aroclor-1260 Peak # 1	A	0.0533	0.0451	0.0429	0.0465	0.0490	0.0516	0.0514	0.0546	0.0618
Aroclor-1260 Peak # 2	A	0.0819	0.0707	0.0694	0.0737	0.0808	0.0859	0.0852	0.0898	0.1019
Aroclor-1260 Peak # 3	A	0.0924	0.0804	0.0787	0.0843	0.0824	0.0867	0.0977	0.1032	0.1184
Aroclor-1260 Peak # 4	A	0.0498	0.0432	0.0422	0.0465	0.0525	0.0574	0.0570	0.0610	
Aroclor-1260 Peak # 5	A	0.0660	0.0558	0.0554	0.0635	0.0732	0.0806	0.0807	0.0870	
Decachlorobiphenyl (PCB)	A	1.0769	0.9259	0.9013	1.0647	1.2272	1.3444	1.3323	1.4063	
TCMX (PCB)	A	0.8855	0.7798	0.7867	0.8347	0.9484	1.0424	1.0731	1.1415	1.2417
Aroclor-1016 Peak # 1	B	0.0332	0.0266	0.0252	0.0242	0.0240	0.0226	0.0211	0.0195	0.0189
Aroclor-1016 Peak # 2	B	0.0674	0.0573	0.0546	0.0518	0.0495	0.0470	0.0439	0.0410	0.0399
Aroclor-1016 Peak # 3	B	0.0776	0.0672	0.0664	0.0623	0.0603	0.0584	0.0550	0.0522	0.0519
Aroclor-1016 Peak # 4	B	0.0577	0.0463	0.0470	0.0471	0.0436	0.0419	0.0391	0.0370	0.0364
Aroclor-1016 Peak # 5	B	0.0502	0.0414	0.0395	0.0388	0.0377	0.0359	0.0336	0.0315	0.0310
Aroclor-1260 Peak # 1	B	0.1016	0.0858	0.0797	0.0776	0.0743	0.0707	0.0649	0.0606	0.0604
Aroclor-1260 Peak # 2	B	0.1202	0.1011	0.0916	0.0914	0.0863	0.0821	0.0752	0.0701	0.0699
Aroclor-1260 Peak # 3	B	0.1384	0.1196	0.1125	0.1116	0.1065	0.1022	0.0945	0.0888	0.0896
Aroclor-1260 Peak # 4	B	0.0826	0.0764	0.0709	0.0661	0.0659	0.0644	0.0561	0.0530	0.0529
Aroclor-1260 Peak # 5	B	0.1264	0.1111	0.1017	0.1019	0.0978	0.0938	0.0864	0.0810	0.0826
Decachlorobiphenyl (PCB)	B	1.6575	1.4389	1.3264	1.3646	1.3087	1.2572	1.1395	1.0643	1.0706
TCMX (PCB)	B	1.3004	1.1164	1.0741	1.0172	1.0061	0.9926	0.9581	0.9339	0.9469

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_092322_1
Calibration #:	212383934001	Date:	23-SEP-2022 14:54
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	11	50.000	5	100.00	-3	250.00	-5	500.00	-5	749.91	-2	1000.0	-3	1500.0	-1
Aroclor-1016 Peak # 2	A	20.000	14	50.000	-3	100.00	-7	250.00	-7	500.00	-8	749.91	0	1000.0	0	1500.0	2
Aroclor-1016 Peak # 3	A	20.000	-8	50.000	**-22**	100.00	-15	250.00	-11	500.00	-2	749.91	8	1000.0	7	1500.0	17
Aroclor-1016 Peak # 4	A	20.000	4	50.000	-10	100.00	-16	250.00	-10	500.00	-2	749.91	3	1000.0	3	1500.0	9
Aroclor-1016 Peak # 5	A	20.000	9	50.000	-12	100.00	-13	250.00	-10	500.00	-4	749.91	2	1000.0	2	1500.0	7
Aroclor-1260 Peak # 1	A	20.000	5	50.000	-11	100.00	-15	250.00	-8	500.00	-3	749.91	2	1000.0	1	1500.0	8
Aroclor-1260 Peak # 2	A	20.000	0	50.000	-14	100.00	-16	250.00	-10	500.00	-2	749.91	5	1000.0	4	1500.0	9
Aroclor-1260 Peak # 3	A	20.000	1	50.000	-12	100.00	-14	250.00	-8	500.00	-10	749.91	-5	1000.0	7	1500.0	13
Aroclor-1260 Peak # 4	A	20.000	-3	50.000	-16	100.00	-18	250.00	-9	500.00	3	749.91	12	1000.0	11	1500.0	19
Aroclor-1260 Peak # 5	A	20.000	-6	50.000	**-21**	100.00	**-21**	250.00	-10	500.00	4	749.91	15	1000.0	15	1500.0	**24**
Decachlorobiphenyl (PCB)	A	1.6000	-7	4.0000	-20	8.0000	**-22**	20.000	-8	40.000	6	59.993	16	80.000	15	120.00	**21**
TCMX (PCB)	A	1.6000	-9	4.0000	-20	8.0000	-19	20.000	-14	40.000	-2	59.993	7	80.000	11	120.00	18
Aroclor-1016 Peak # 1	B	20.000	**39**	50.000	11	100.00	5	250.00	1	500.00	0	749.91	-6	1000.0	-12	1500.0	-18
Aroclor-1016 Peak # 2	B	20.000	**34**	50.000	14	100.00	9	250.00	3	500.00	-2	749.91	-7	1000.0	-13	1500.0	-18
Aroclor-1016 Peak # 3	B	20.000	**27**	50.000	10	100.00	8	250.00	2	500.00	-2	749.91	-5	1000.0	-10	1500.0	-15
Aroclor-1016 Peak # 4	B	20.000	**31**	50.000	5	100.00	7	250.00	7	500.00	-1	749.91	-5	1000.0	-11	1500.0	-16
Aroclor-1016 Peak # 5	B	20.000	**33**	50.000	10	100.00	5	250.00	3	500.00	0	749.91	-5	1000.0	-11	1500.0	-17
Aroclor-1260 Peak # 1	B	20.000	**35**	50.000	14	100.00	6	250.00	3	500.00	-1	749.91	-6	1000.0	-14	1500.0	-19
Aroclor-1260 Peak # 2	B	20.000	**37**	50.000	16	100.00	5	250.00	4	500.00	-1	749.91	-6	1000.0	-14	1500.0	-20
Aroclor-1260 Peak # 3	B	20.000	**29**	50.000	12	100.00	5	250.00	4	500.00	-1	749.91	-5	1000.0	-12	1500.0	-17
Aroclor-1260 Peak # 4	B	20.000	**26**	50.000	17	100.00	8	250.00	1	500.00	1	749.91	-1	1000.0	-14	1500.0	-19
Aroclor-1260 Peak # 5	B	20.000	**29**	50.000	13	100.00	4	250.00	4	500.00	0	749.91	-4	1000.0	-12	1500.0	-17
Decachlorobiphenyl (PCB)	B	1.6000	**28**	4.0000	11	8.0000	3	20.000	6	40.000	1	59.993	-3	80.000	-12	120.00	-18
TCMX (PCB)	B	1.6000	**25**	4.0000	8	8.0000	3	20.000	-2	40.000	-3	59.993	-4	80.000	-8	120.00	-10

ENTHALPY INITIAL CALIBRATION FOR 469273 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC02	Name:	PCB_092322_1
Calibration #:	212383934001	Date:	23-SEP-2022 14:54
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	3
Aroclor-1016 Peak # 2	A	2000.0	8
Aroclor-1016 Peak # 3	A	2000.0	**26**
Aroclor-1016 Peak # 4	A	2000.0	19
Aroclor-1016 Peak # 5	A	2000.0	19
Aroclor-1260 Peak # 1	A	2000.0	**22**
Aroclor-1260 Peak # 2	A	2000.0	**24**
Aroclor-1260 Peak # 3	A	2000.0	**29**
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A		
Decachlorobiphenyl (PCB)	A		
TCMX (PCB)	A	160.00	**28**
Aroclor-1016 Peak # 1	B	2000.0	**-21**
Aroclor-1016 Peak # 2	B	2000.0	**-21**
Aroclor-1016 Peak # 3	B	2000.0	-15
Aroclor-1016 Peak # 4	B	2000.0	-17
Aroclor-1016 Peak # 5	B	2000.0	-18
Aroclor-1260 Peak # 1	B	2000.0	-20
Aroclor-1260 Peak # 2	B	2000.0	-20
Aroclor-1260 Peak # 3	B	2000.0	-16
Aroclor-1260 Peak # 4	B	2000.0	-19
Aroclor-1260 Peak # 5	B	2000.0	-16
Decachlorobiphenyl (PCB)	B	160.00	-17
TCMX (PCB)	B	160.00	-9

TRN 09/26/22 : Manually integrated peaks for coeluting, and negative/positive baseline on both channel and on multiple levels

Analyst: TRN 09/26/22

Reviewer: LW 09/26/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 469273 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02	Name:	PCB_092322_1
Calnum:	212383934001	Cal Date:	23-SEP-2022

- ICV 212383934025 (gc02_092322-025 23-SEP-2022) stds: S17274

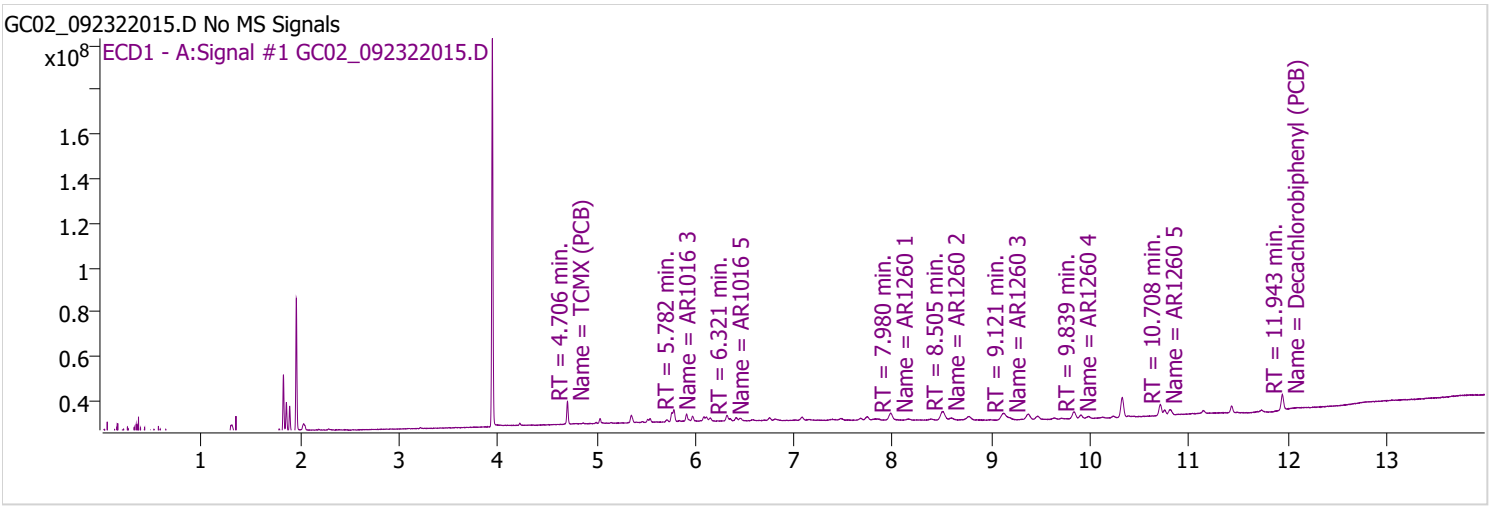
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	491.0	ug/L	-2	15	
Aroclor-1260	A	500.0	540.5	ug/L	8	15	
Aroclor-1016	B	500.0	489.2	ug/L	-2	15	
Aroclor-1260	B	500.0	511.0	ug/L	2	15	

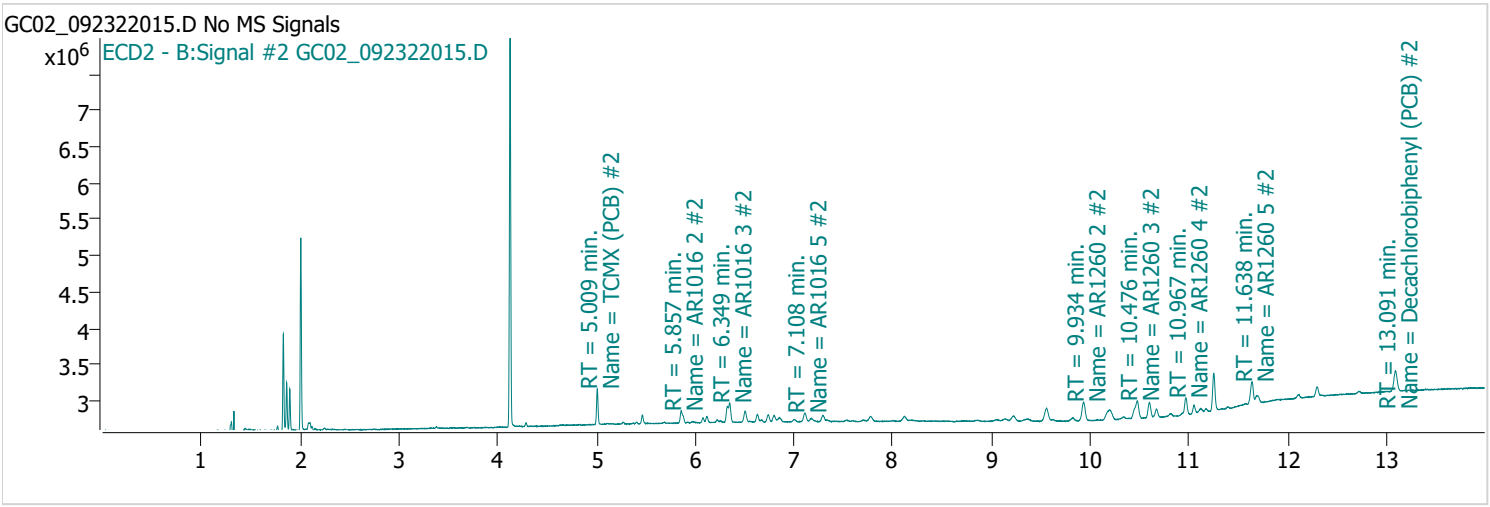
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Analyst: TRN 09/26/22 **Reviewer:** LW 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092322015.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/23/2022 2:54:57 PM
Sample Name	ICAL, S17263	Instrument	SVOA-GC02
Vial	11	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	PCB 20 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



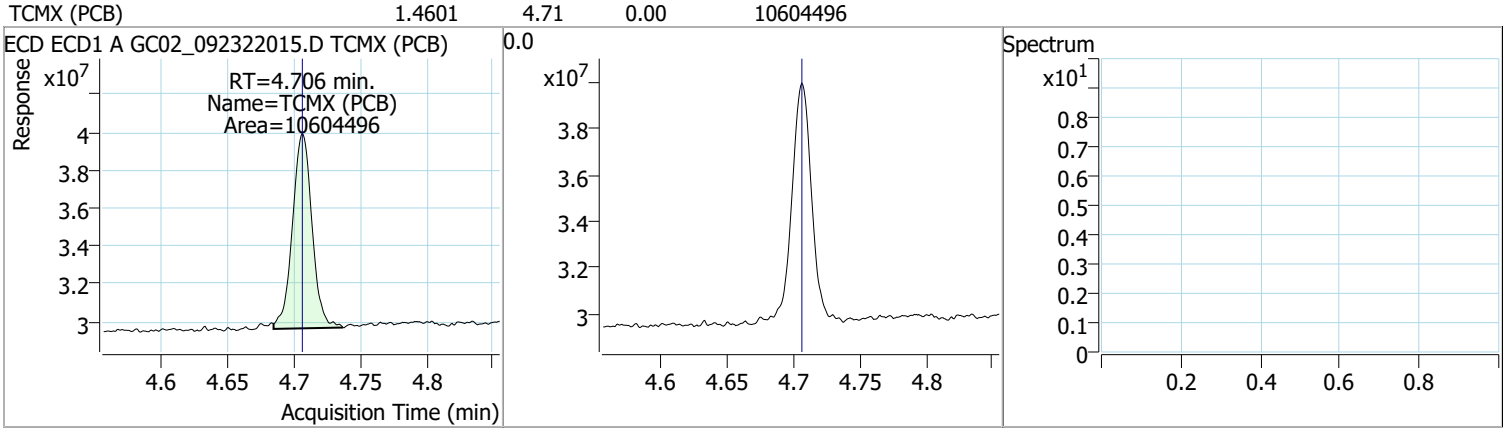


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	149688452.475	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	5034792.541	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	10604495.681	1.4601	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.30%		*	
S TCMX (PCB) #2	5.009	0.0	523788.690	2.0037	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.02%		*	
S Decachlorobiphenyl (PCB)	11.943	0.0	12896274.907	1.4856	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.43%		*	
S Decachlorobiphenyl (PCB) #2	13.091	0.0	667599.772	2.0527	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.26%		*	
Target Compounds							QValue
T AR1016 1	5.036	0.0	2419514.717	22.1762	ng/ml	m	100

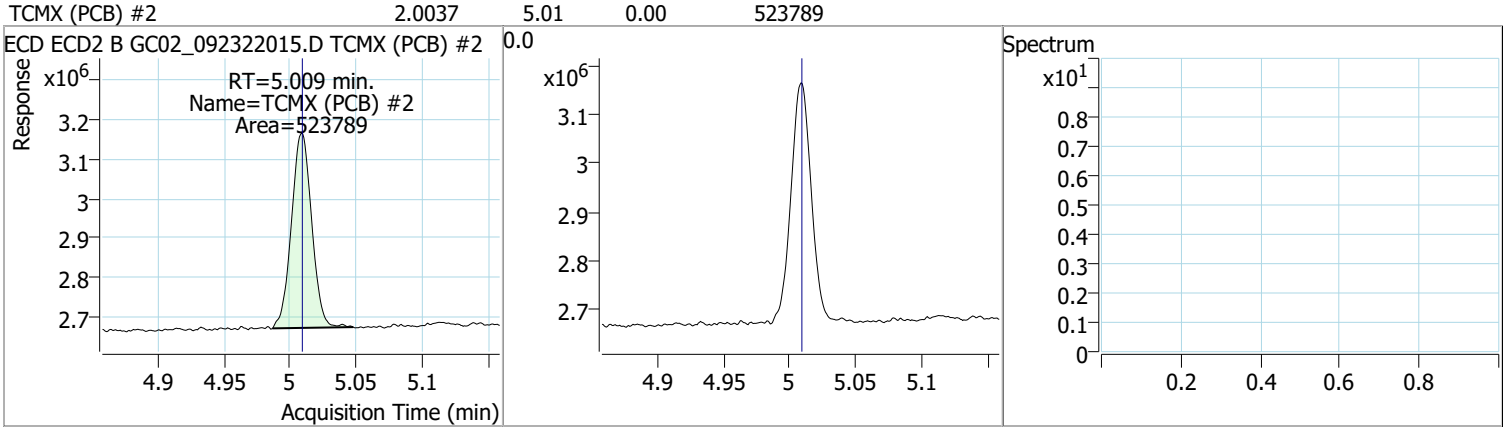
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.353	0.0	5366799.868	22.8163	ng/ml		100
T AR1016 1 #2	5.464	0.0	167000.390	27.7452	ng/ml		100
T AR1016 3	5.782	0.0	6709519.024	18.4838	ng/ml	m	100
T AR1016 2 #2	5.857	0.0	339157.238	26.8081	ng/ml		100
T AR1016 4	5.912	0.0	4976396.566	20.7492	ng/ml		100
T AR1016 5	6.321	0.0	4215721.809	21.8426	ng/ml		100
T AR1016 3 #2	6.349	0.0	390841.676	25.3434	ng/ml	m	100
T AR1016 4 #2	6.504	0.0	290256.486	26.1840	ng/ml		100
T AR1016 5 #2	7.108	0.0	252677.286	26.6099	ng/ml		100
T AR1260 1	7.980	0.0	7976163.496	21.0254	ng/ml		100
T AR1260 2	8.505	0.0	12259234.812	19.9415	ng/ml		100
T AR1260 3	9.121	0.0	13833614.759	20.1817	ng/ml		100
T AR1260 1 #2	9.556	0.0	511751.430	27.0795	ng/ml		100
T AR1260 4	9.839	0.0	7461178.340	19.4647	ng/ml		100
T AR1260 2 #2	9.934	0.0	605046.591	27.4544	ng/ml		100
T AR1260 3 #2	10.476	0.0	697016.415	25.8551	ng/ml		100
T AR1260 5	10.708	0.0	9884515.835	18.7970	ng/ml		100
T AR1260 4 #2	10.967	0.0	416051.265	25.2843	ng/ml		100
T AR1260 5 #2	11.638	0.0	636344.882	25.7712	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

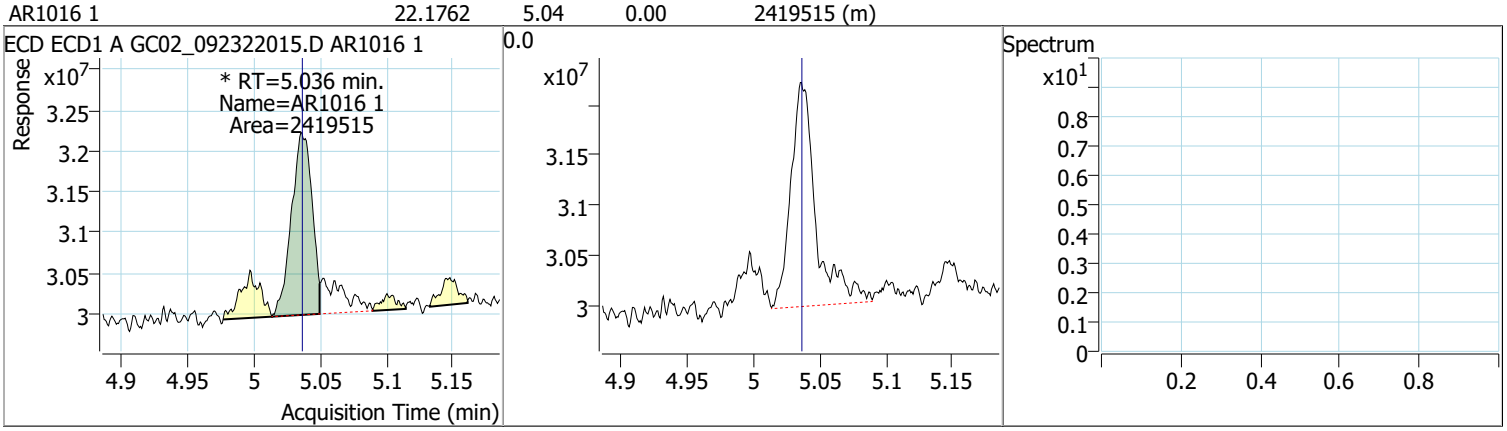
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.4601	4.71	0.00	10604496				



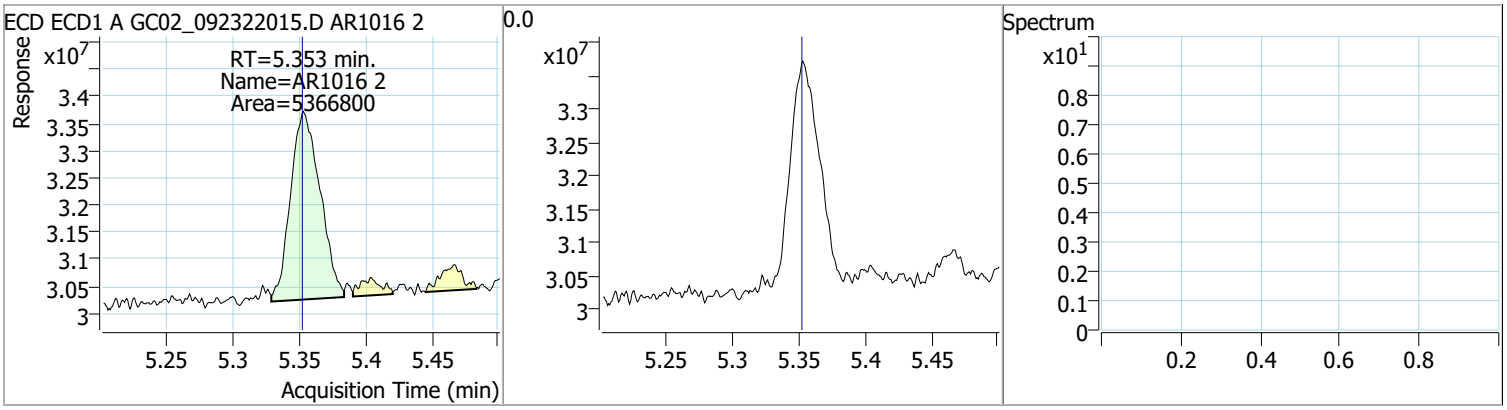
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.0037	5.01	0.00	523789				



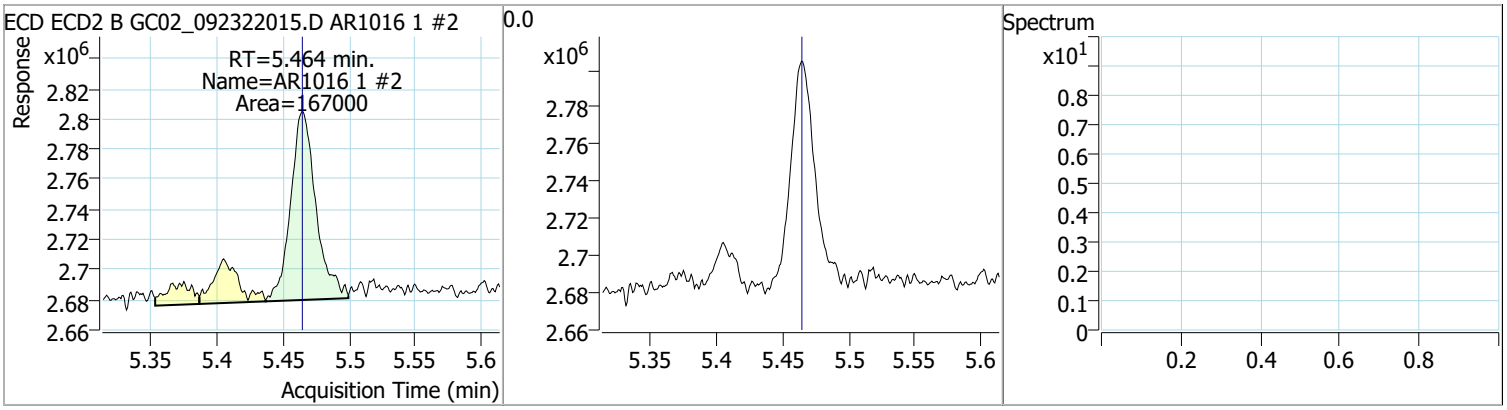
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	22.1762	5.04	0.00	2419515 (m)				



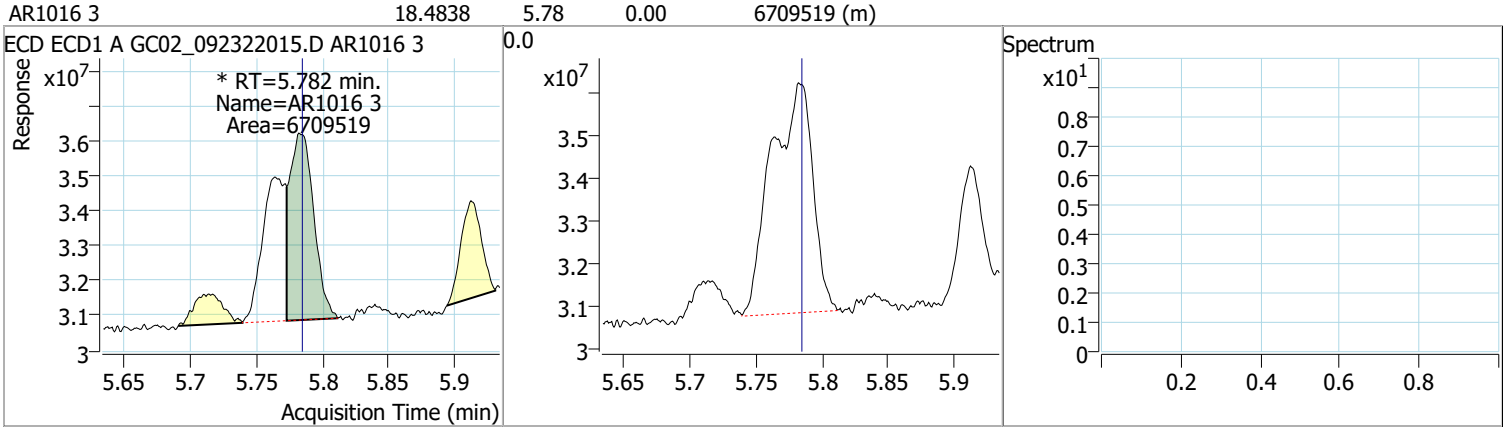
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	22.8163	5.35	0.00	5366800				



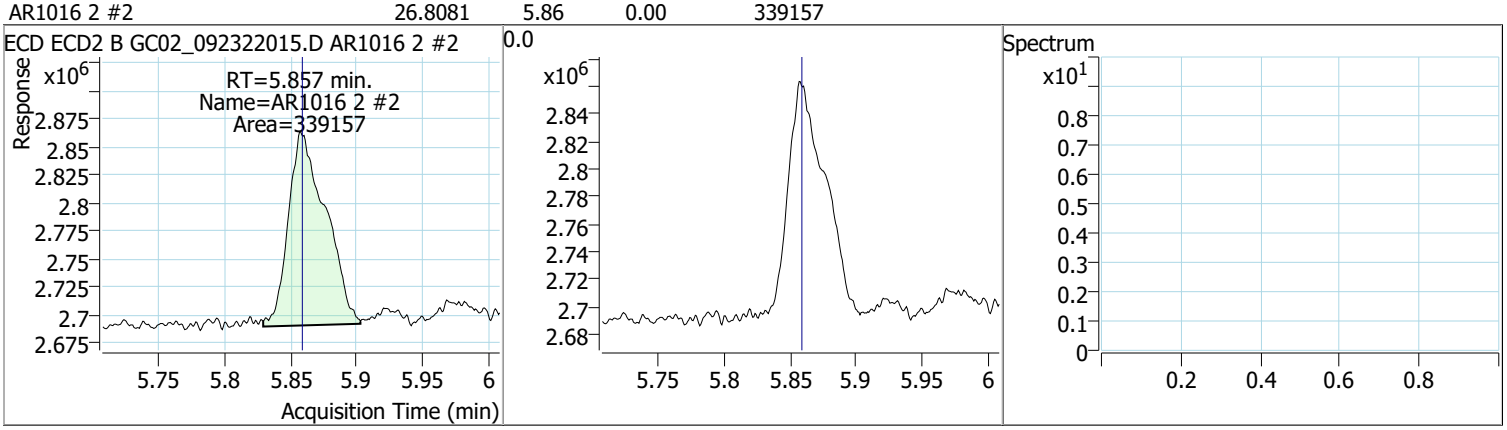
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	27.7452	5.46	0.00	167000				



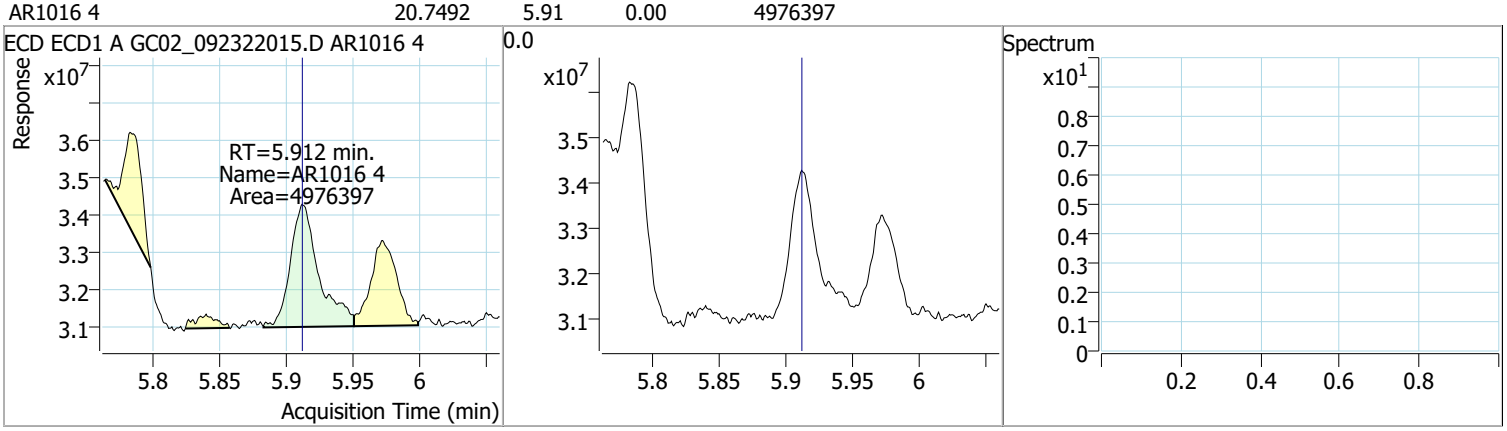
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	18.4838	5.78	0.00	6709519 (m)				



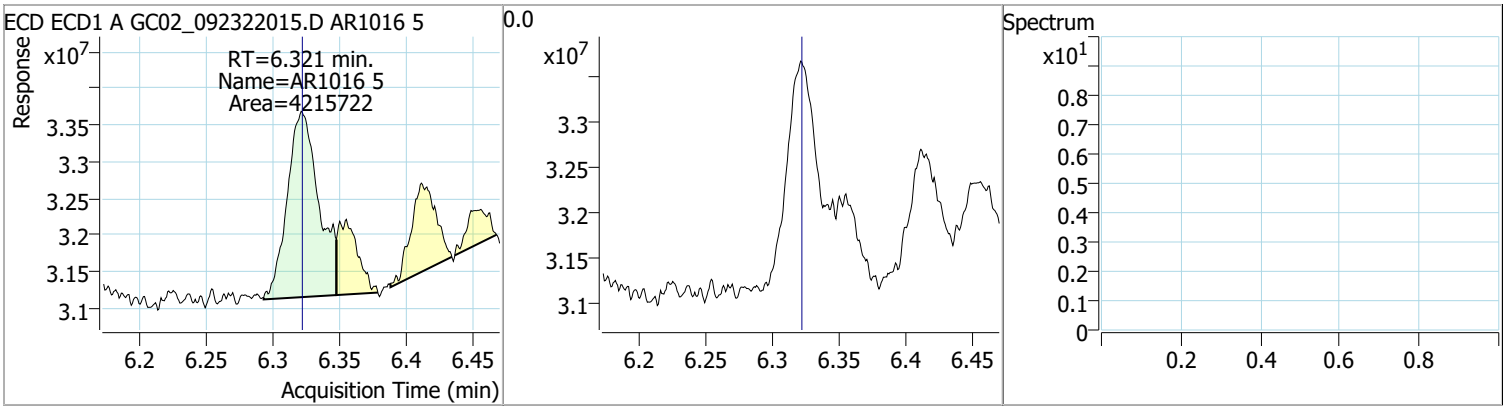
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AR1016 2 #2	26.8081	5.86	0.00	339157				



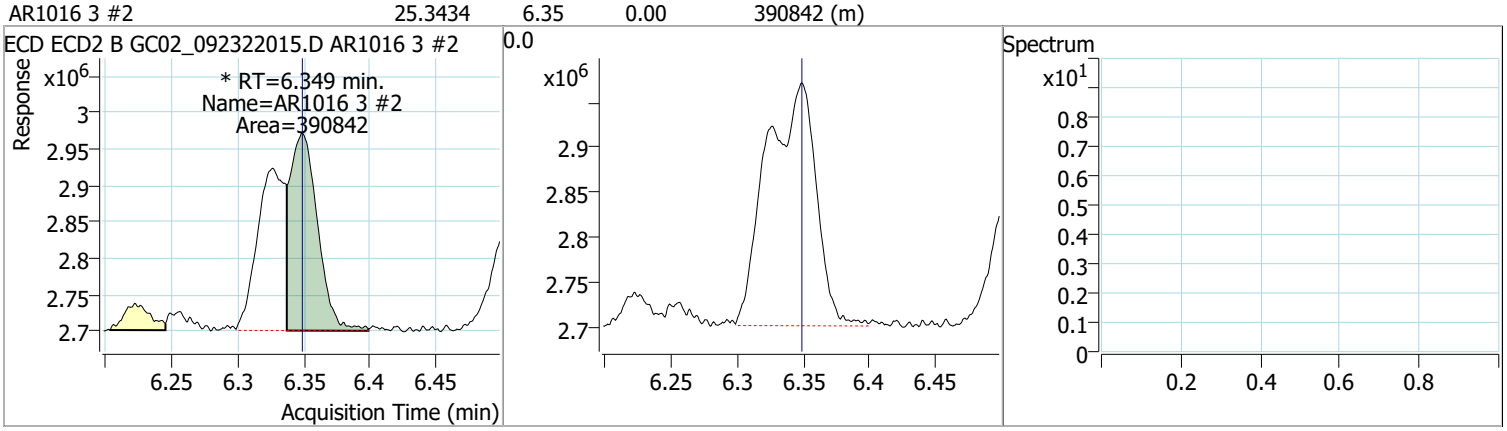
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	20.7492	5.91	0.00	4976397				



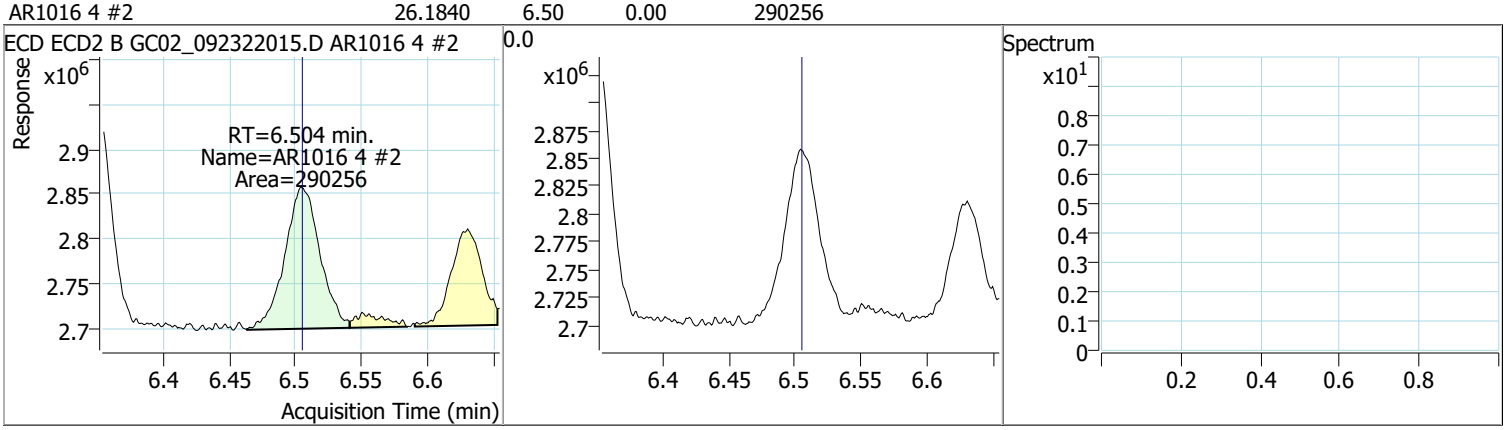
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.8426	6.32	0.00	4215722				



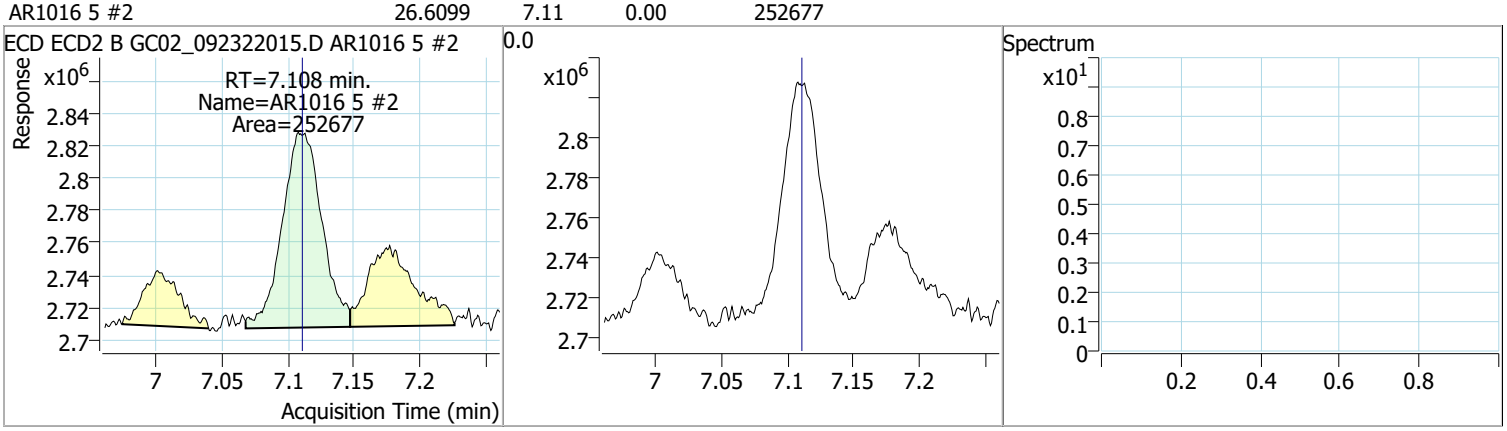
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AR1016 3 #2	25.3434	6.35	0.00	390842 (m)				



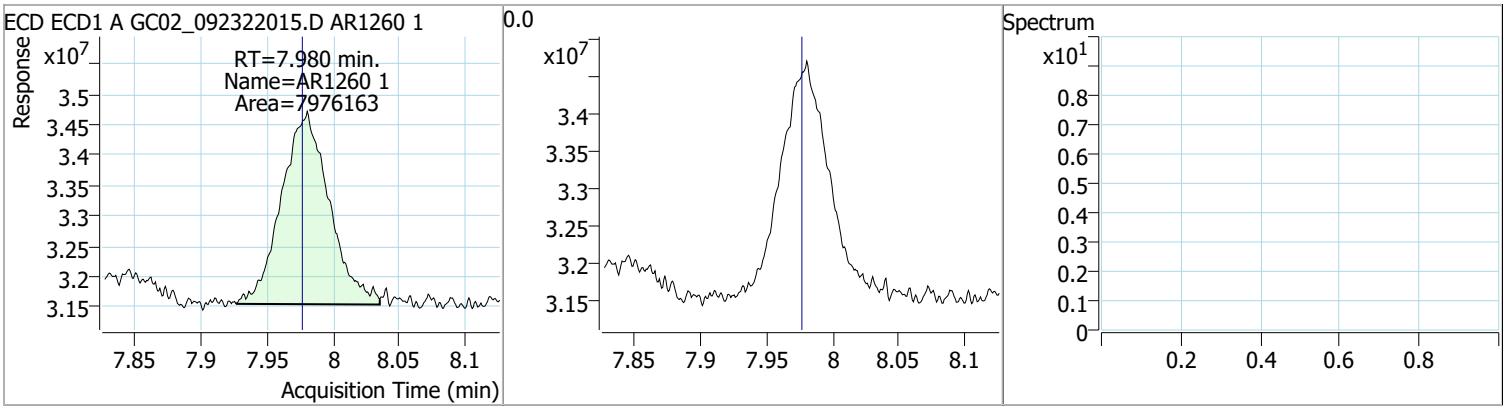
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AR1016 4 #2	26.1840	6.50	0.00	290256				



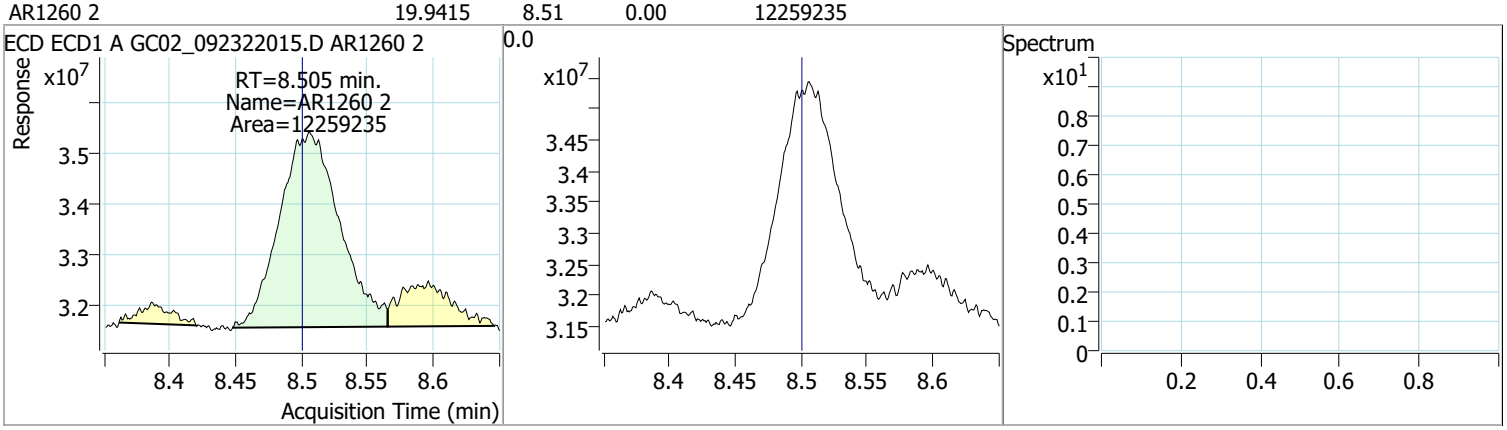
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	26.6099	7.11	0.00	252677				



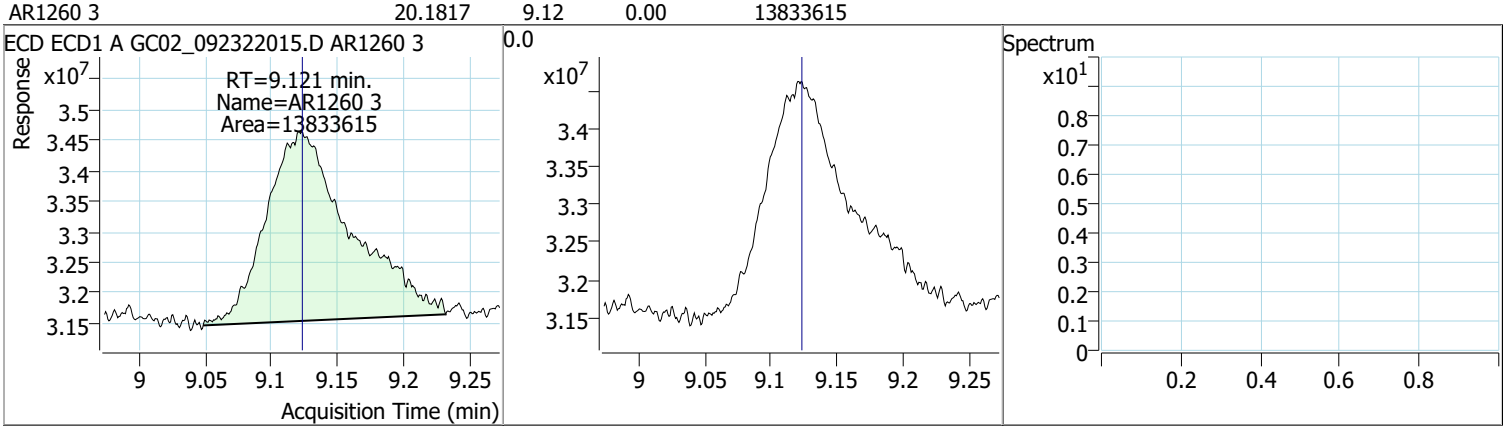
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	21.0254	7.98	0.00	7976163				



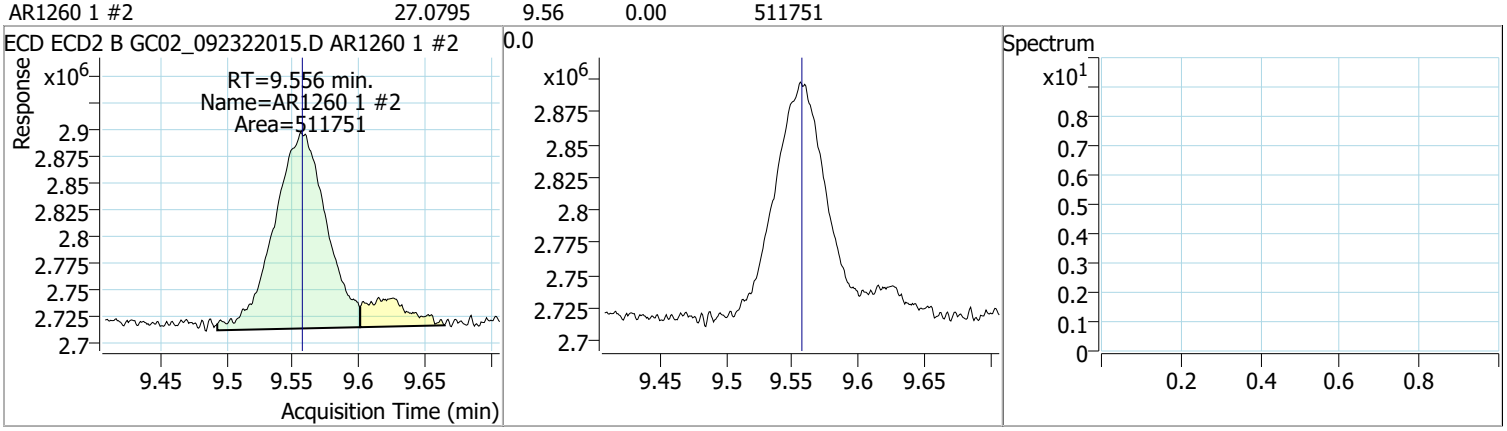
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	19.9415	8.51	0.00	12259235				



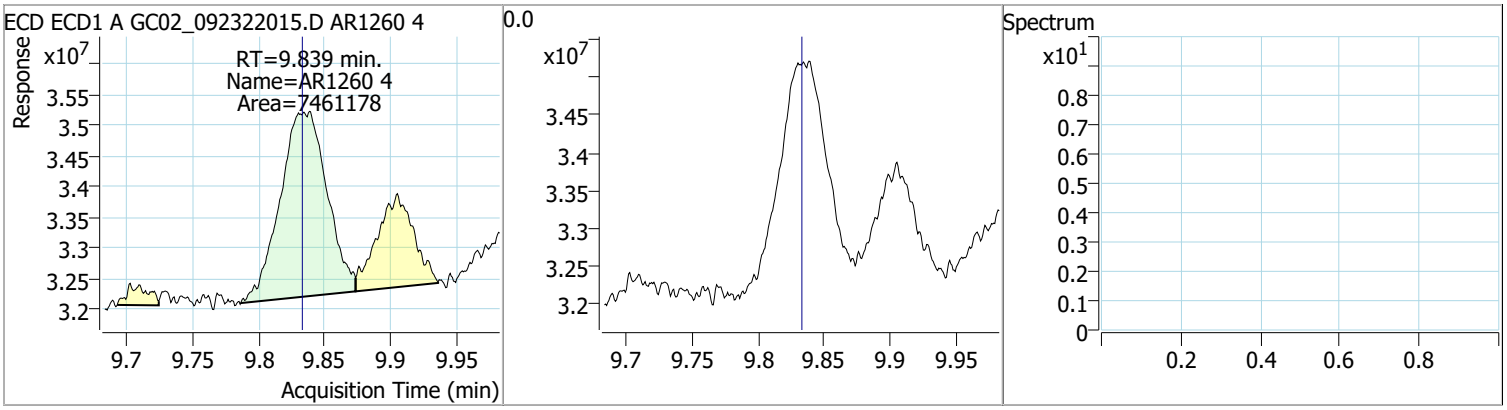
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	20.1817	9.12	0.00	13833615				



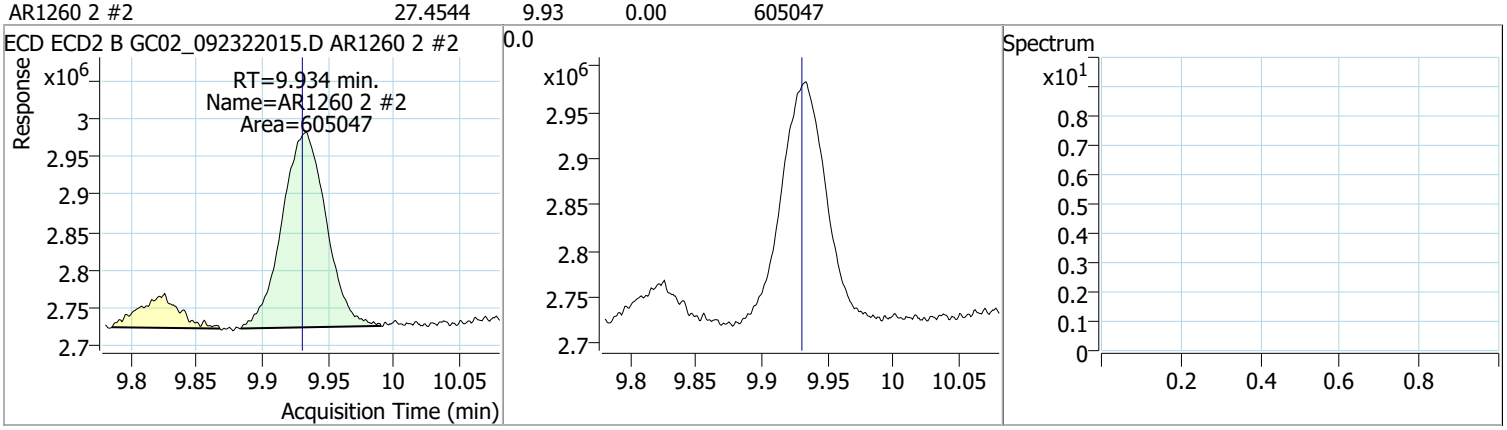
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	27.0795	9.56	0.00	511751				



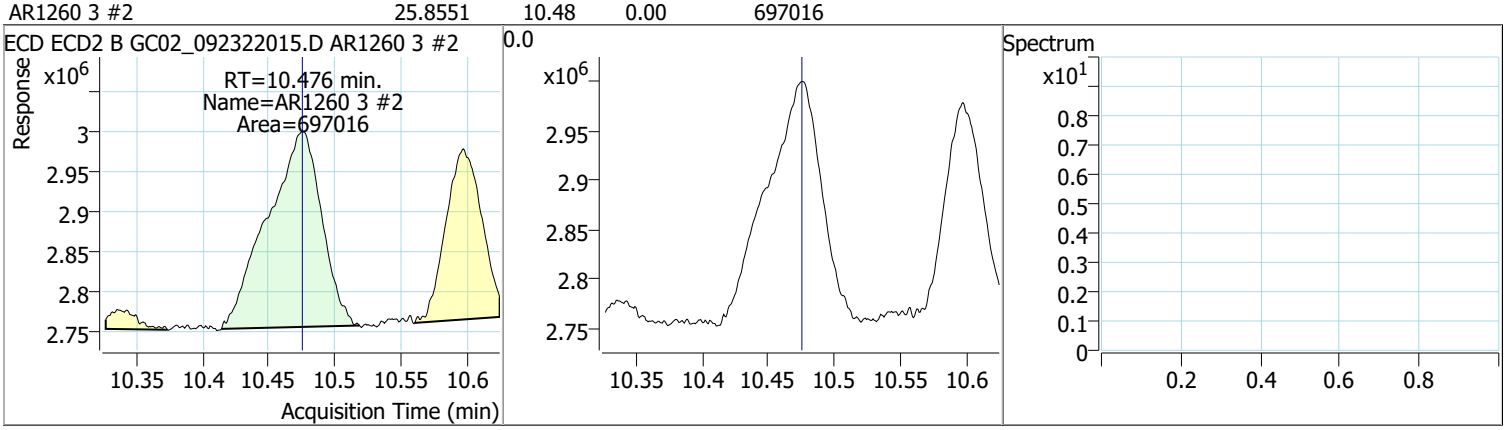
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	19.4647	9.84	0.00	7461178				



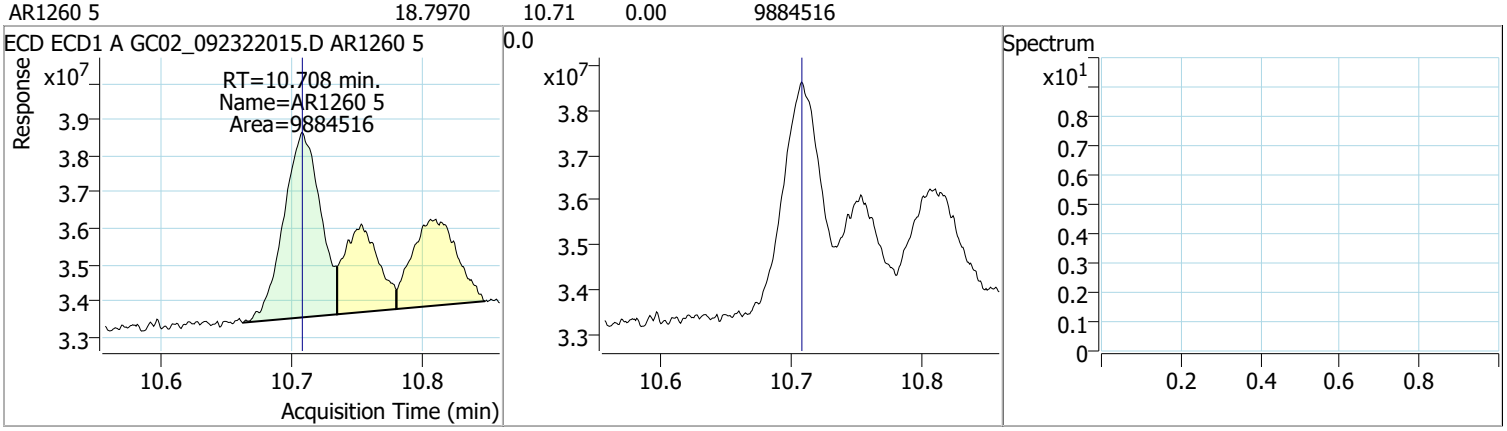
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	27.4544	9.93	0.00	605047				



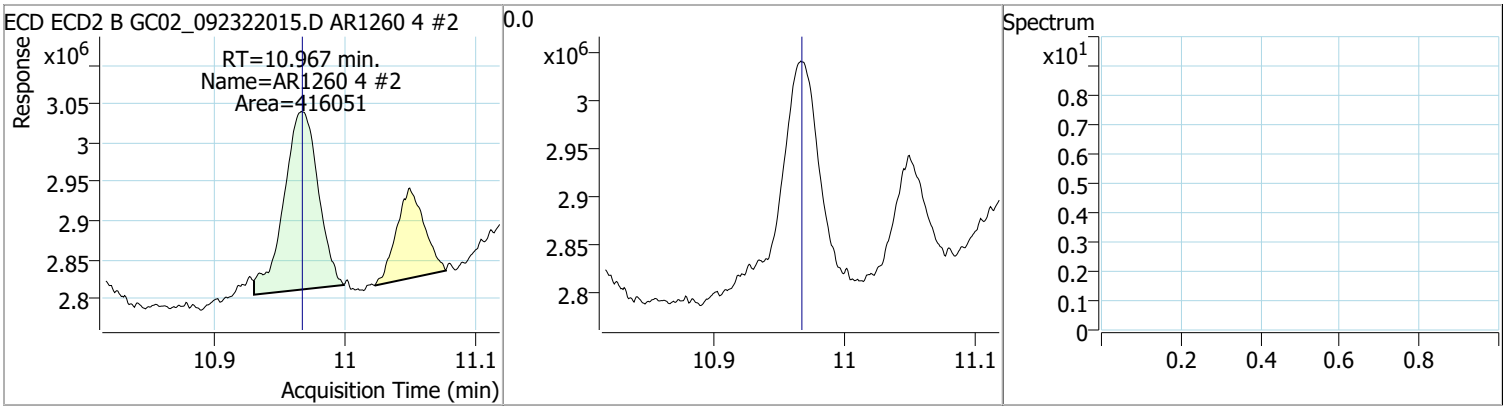
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	25.8551	10.48	0.00	697016				



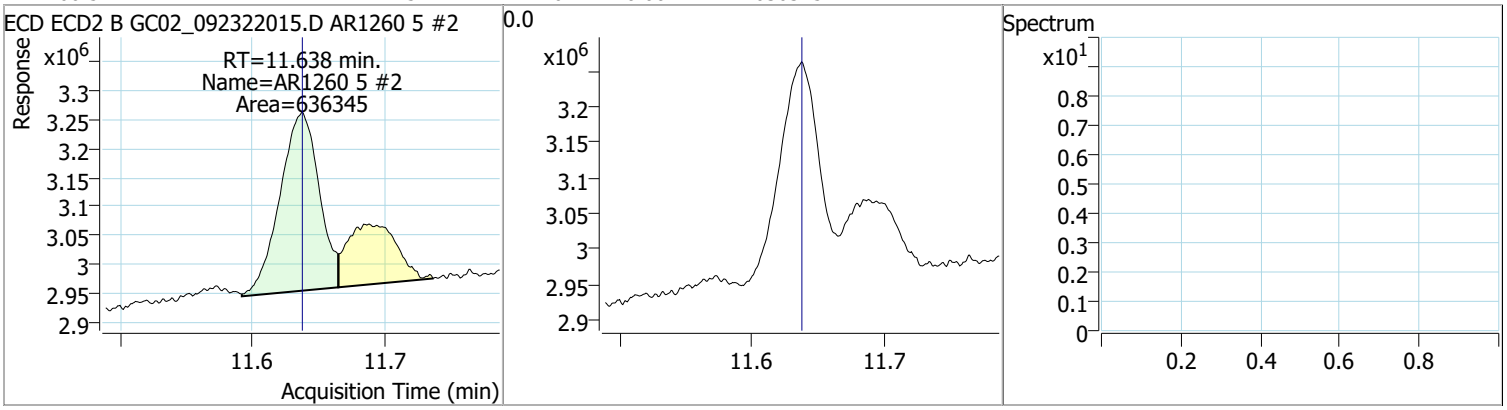
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.7970	10.71	0.00	9884516				



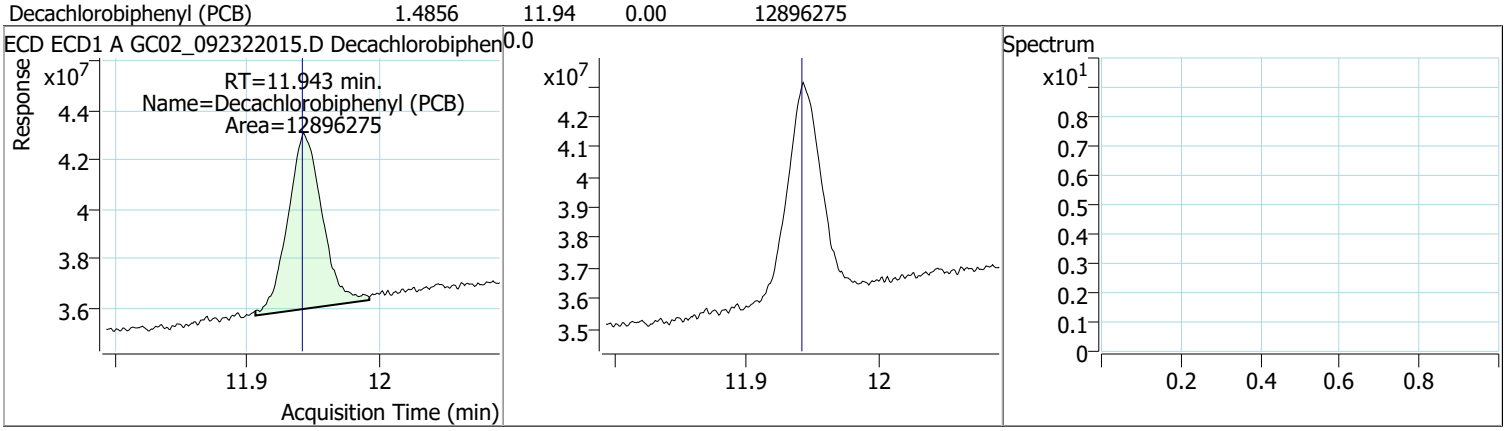
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AR1260 4 #2	25.2843	10.97	0.00	416051				



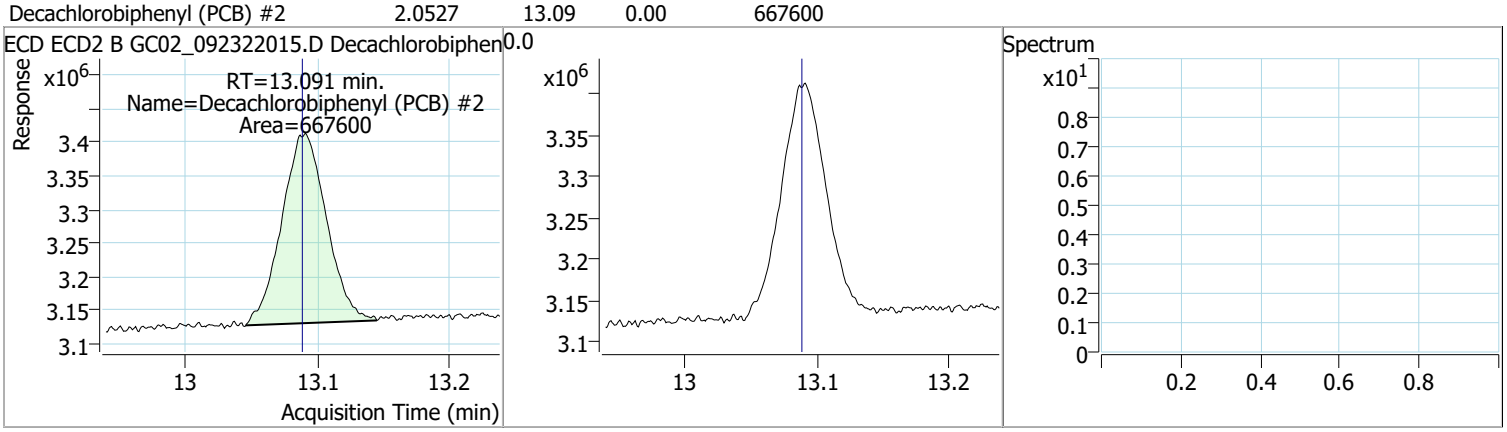
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	25.7712	11.64	0.00	636345				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.4856	11.94	0.00	12896275				

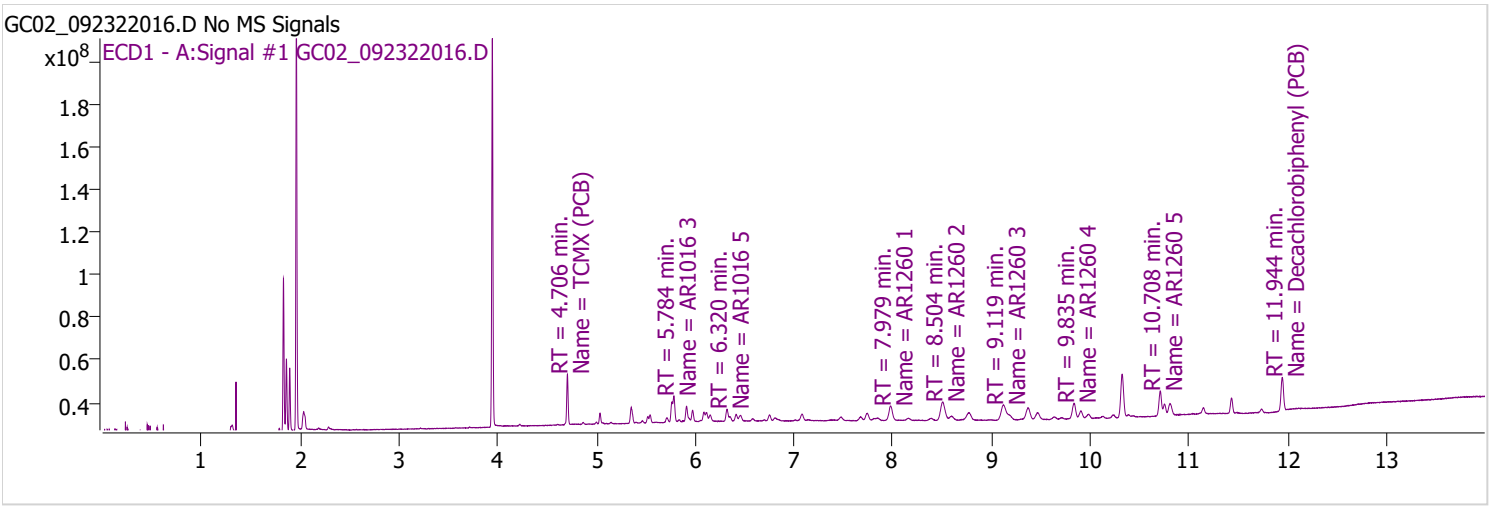


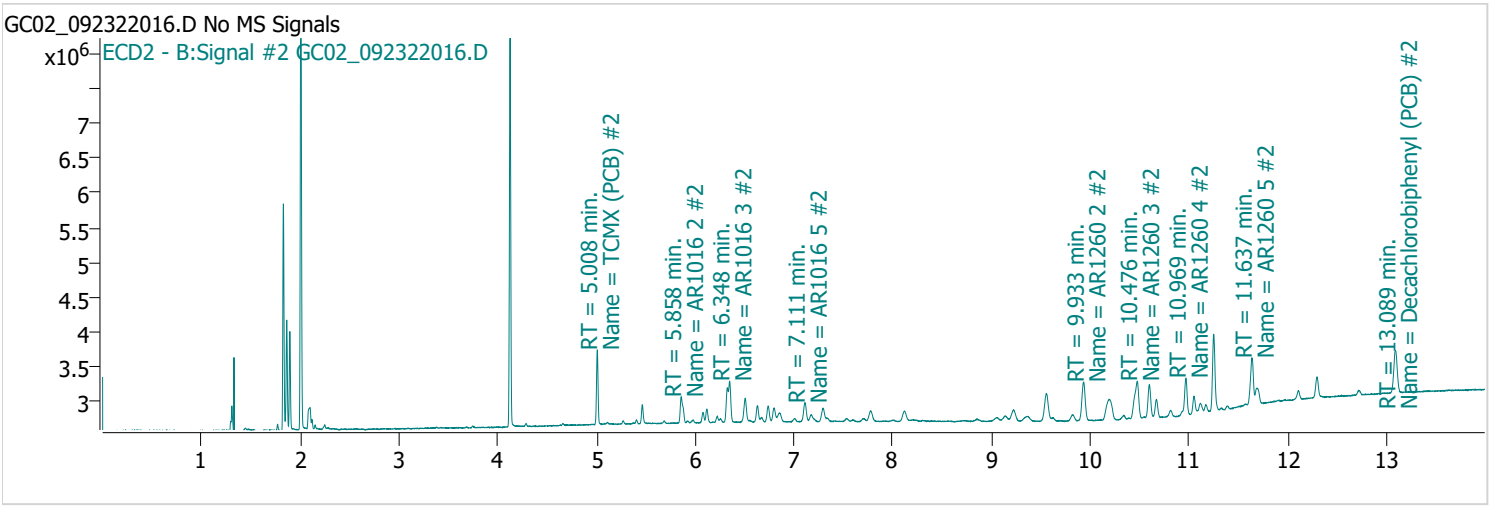
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.0527	13.09	0.00	667600				



Quantitation Results Report (Not Reviewed)

Data File	GC02_092322016.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/23/2022 3:12:47 PM
Sample Name	ICAL, S17264	Instrument	SVOA-GC02
Vial	12	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	PCB 50 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



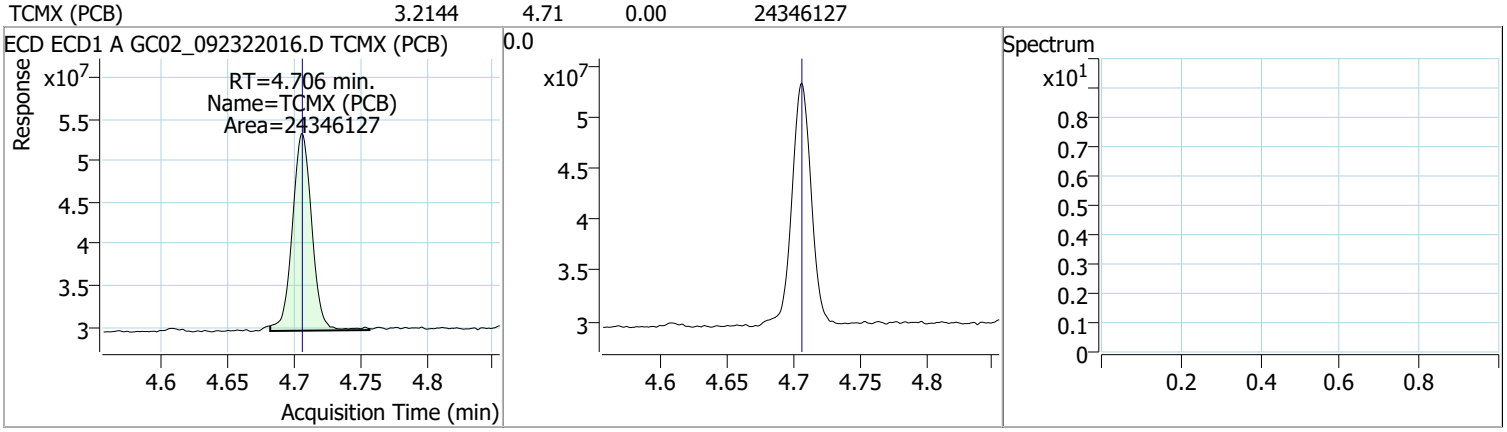


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	156102999.911	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	5214365.034	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	24346127.215	3.2144	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 16.07%		*	
S TCMX (PCB) #2	5.008	0.0	1164230.412	4.3003	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.50%		*	
S Decachlorobiphenyl (PCB)	11.944	0.0	28908559.689	3.1933	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 15.97%		*	
S Decachlorobiphenyl (PCB) #2	13.089	0.0	1500615.315	4.4551	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.28%		*	
Target Compounds							QValue

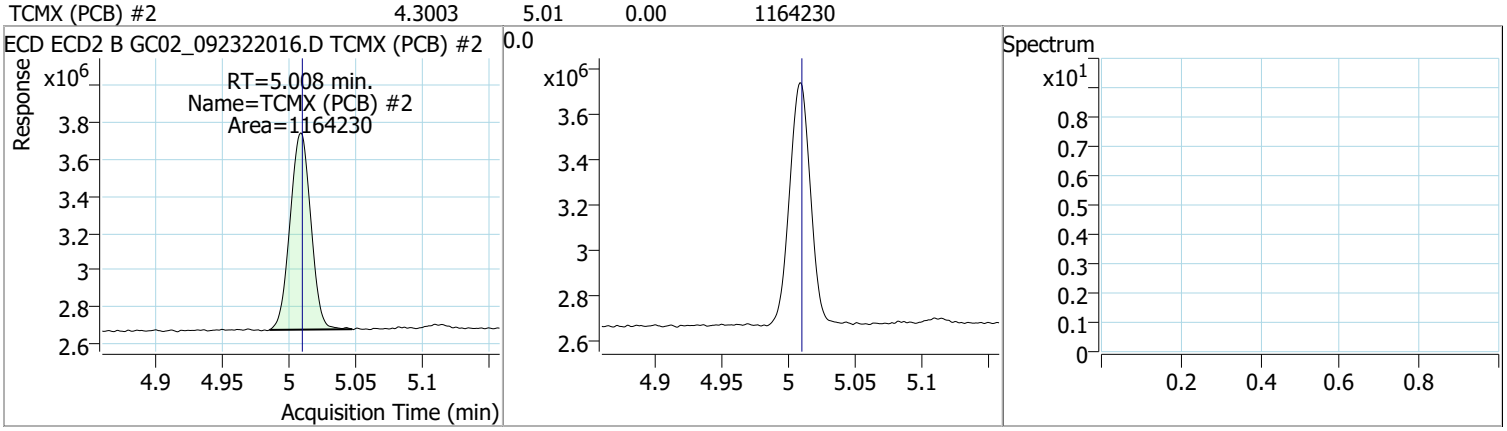
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.036	0.0	5963123.851	52.4095	ng/ml		100
T AR1016 2	5.353	0.0	11937815.315	48.6667	ng/ml		100
T AR1016 1 #2	5.465	0.0	346285.788	55.5501	ng/ml		100
T AR1016 3	5.784	0.0	14826865.641	39.1676	ng/ml	m	100
T AR1016 2 #2	5.858	0.0	747175.030	57.0253	ng/ml		100
T AR1016 4	5.911	0.0	11272892.754	45.0712	ng/ml		100
T AR1016 5	6.320	0.0	8807844.711	43.7602	ng/ml		100
T AR1016 3 #2	6.348	0.0	876170.983	54.8571	ng/ml	m	100
T AR1016 4 #2	6.506	0.0	603513.718	52.5680	ng/ml		100
T AR1016 5 #2	7.111	0.0	539493.071	54.8584	ng/ml		100
T AR1260 1	7.979	0.0	17582495.676	44.4434	ng/ml		100
T AR1260 2	8.504	0.0	27589397.724	43.0341	ng/ml		100
T AR1260 3	9.119	0.0	31371084.297	43.8862	ng/ml		100
T AR1260 1 #2	9.555	0.0	1119032.470	57.1748	ng/ml		100
T AR1260 4	9.835	0.0	16858747.163	42.1737	ng/ml		100
T AR1260 2 #2	9.933	0.0	1318340.779	57.7606	ng/ml		100
T AR1260 3 #2	10.476	0.0	1559603.178	55.8595	ng/ml		100
T AR1260 5	10.708	0.0	21773105.682	39.7038	ng/ml		100
T AR1260 4 #2	10.969	0.0	996441.099	58.4704	ng/ml		100
T AR1260 5 #2	11.637	0.0	1448318.261	56.6351	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

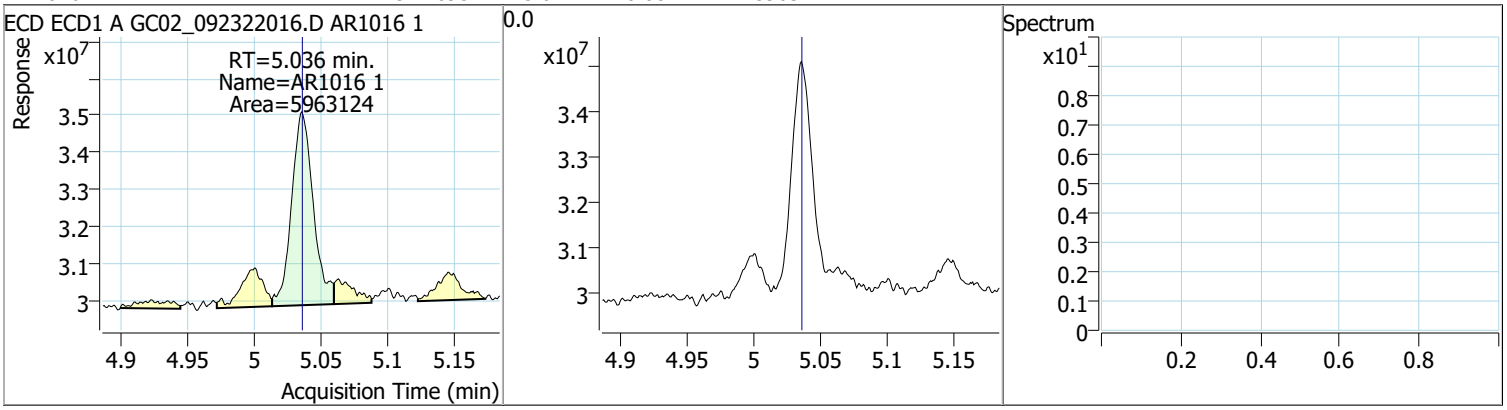
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	3.2144	4.71	0.00	24346127				



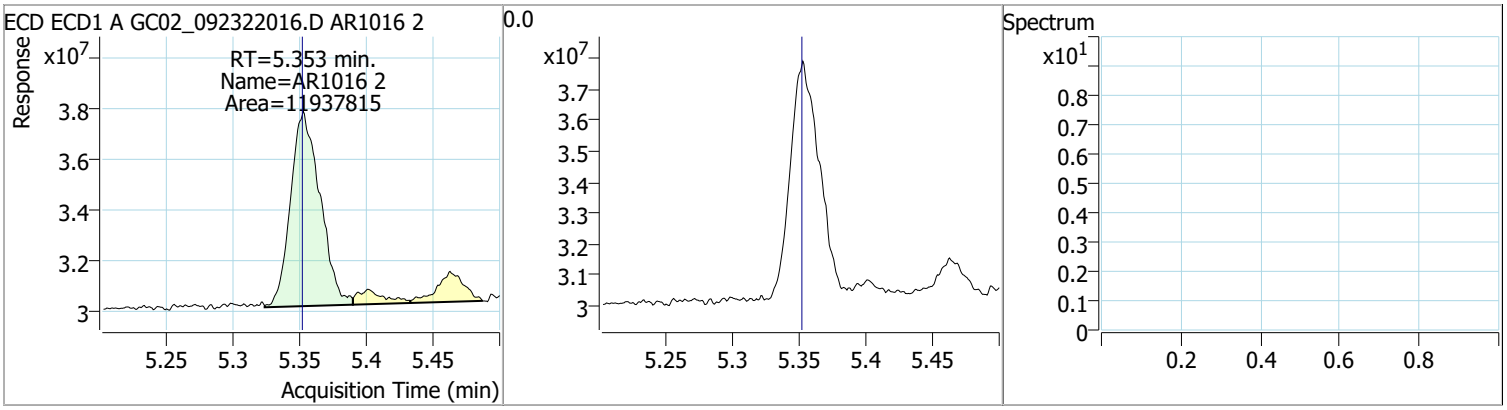
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.3003	5.01	0.00	1164230				



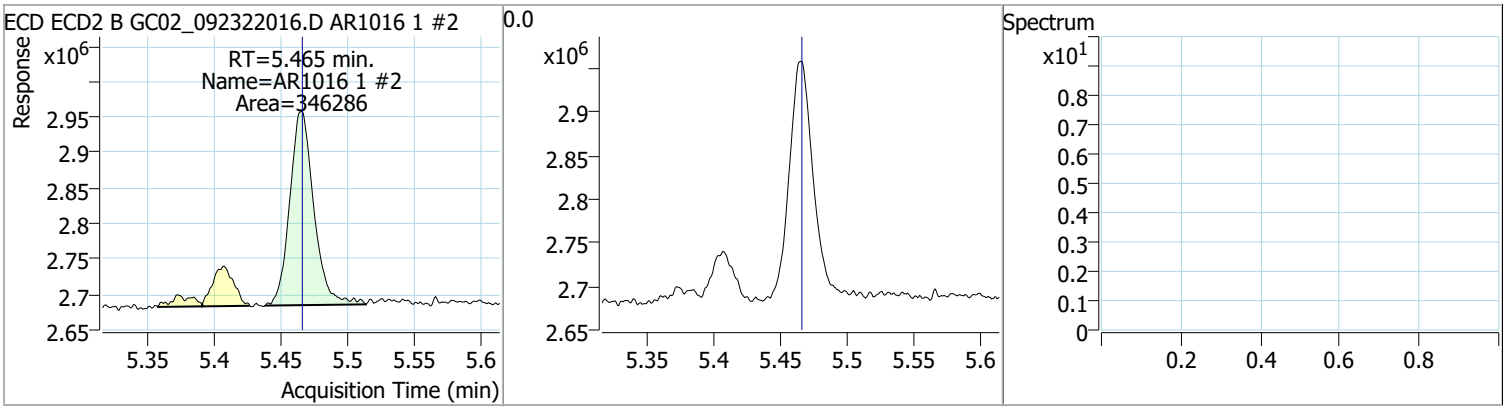
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.4095	5.04	0.00	5963124				



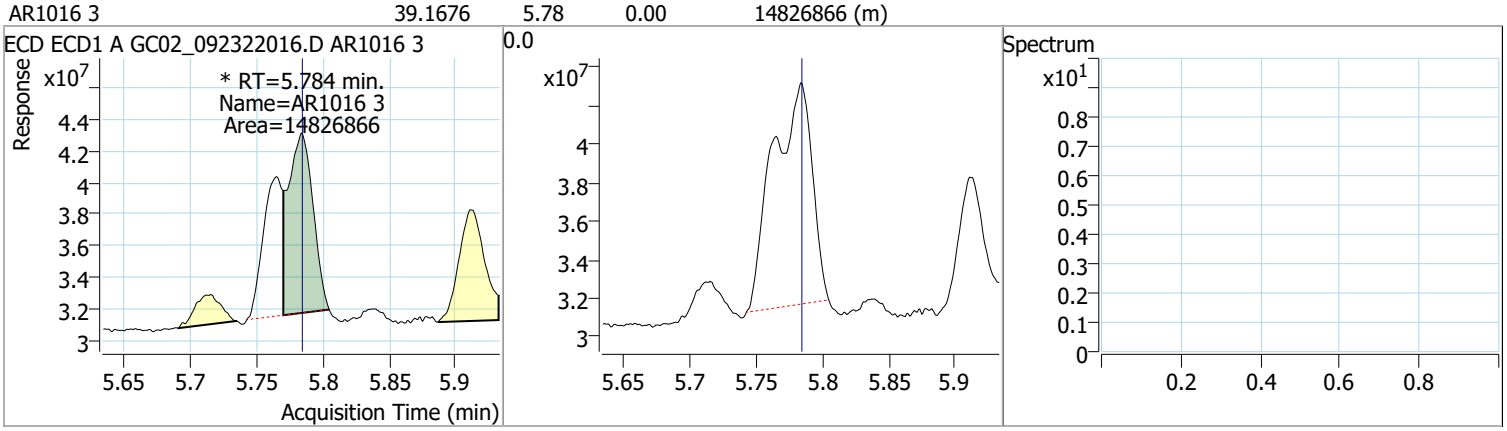
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	48.6667	5.35	0.00	11937815				



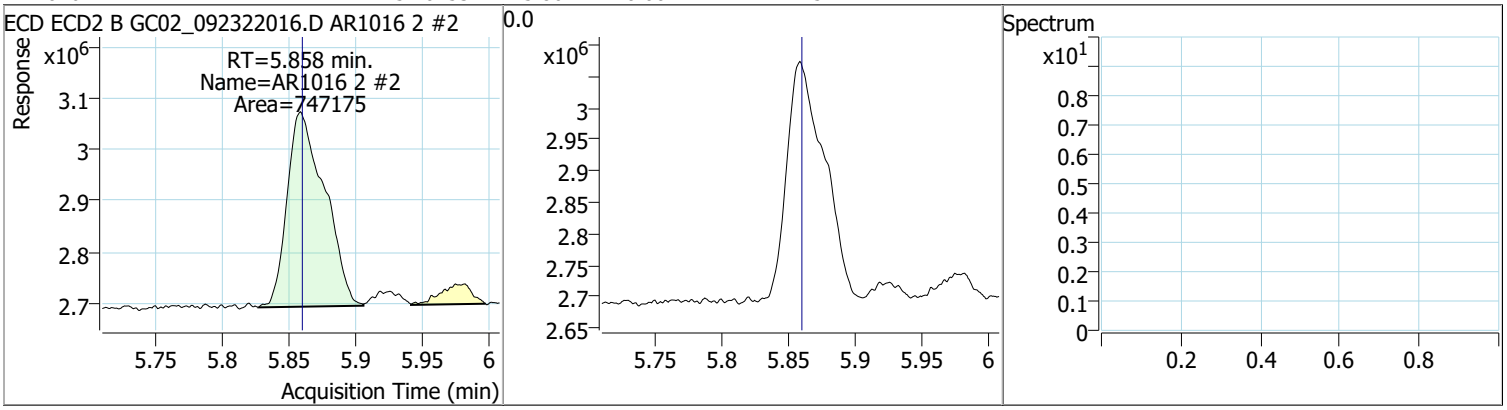
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	55.5501	5.47	0.00	346286				



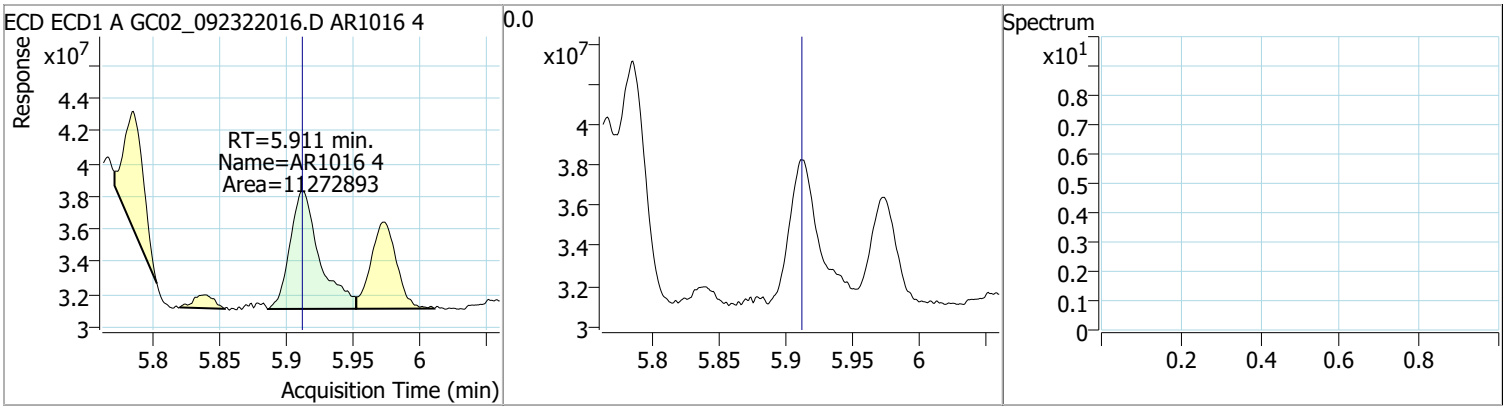
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	39.1676	5.78	0.00	14826866 (m)				



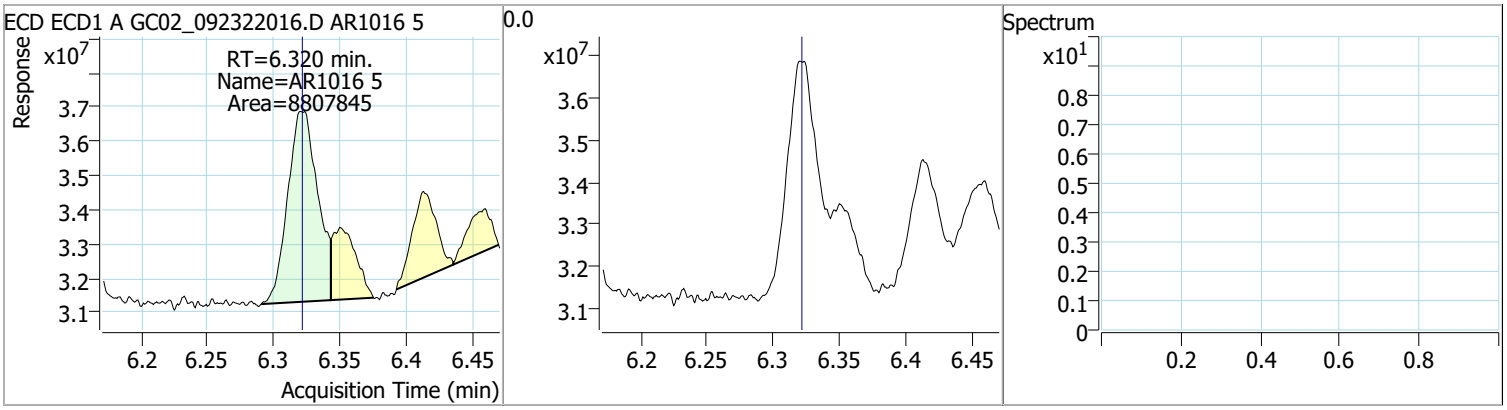
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	57.0253	5.86	0.00	747175				



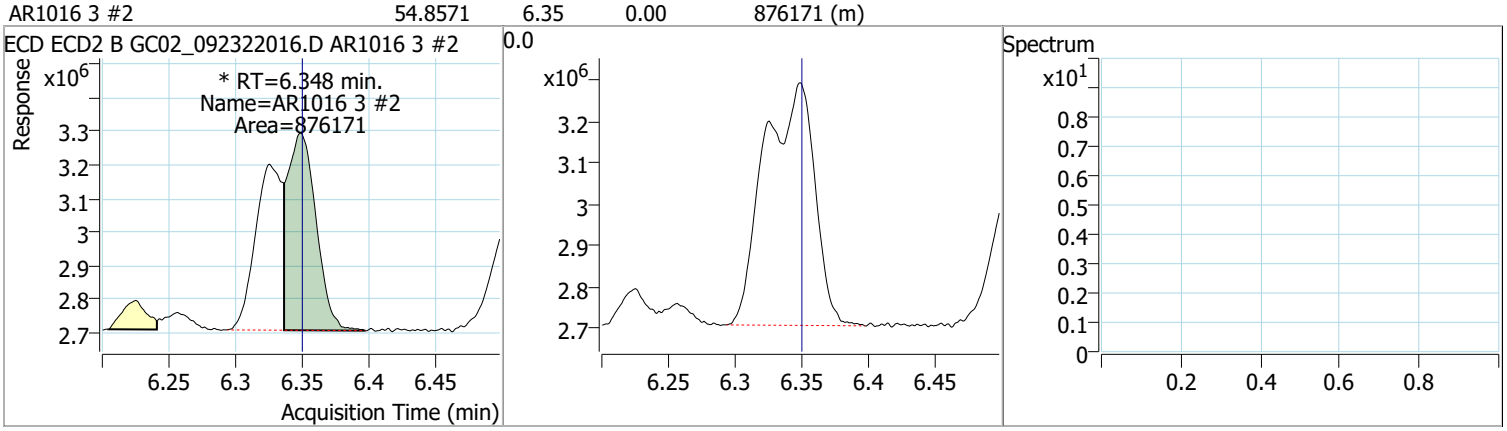
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	45.0712	5.91	0.00	11272893				



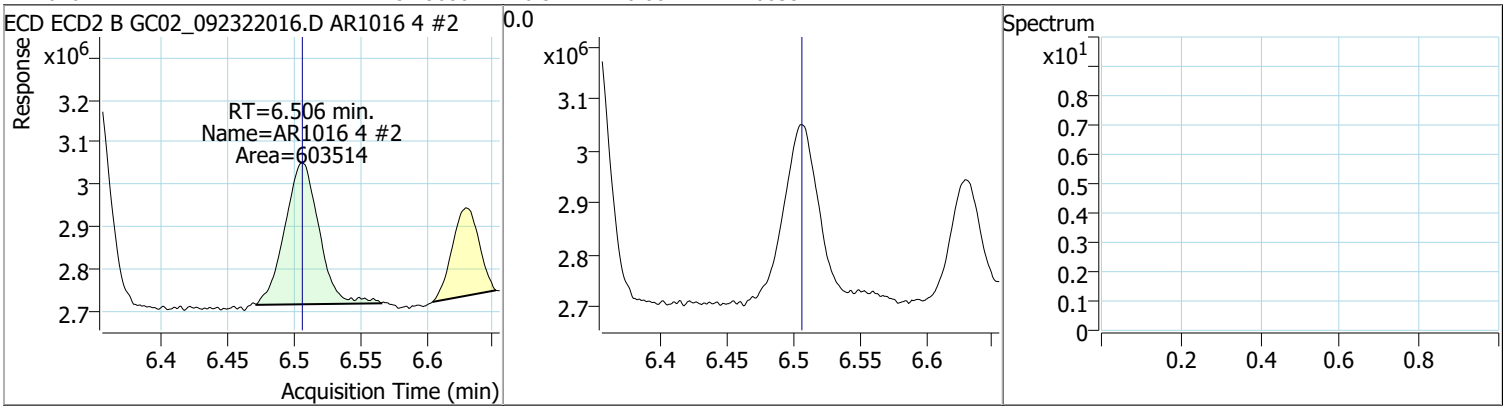
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	43.7602	6.32	0.00	8807845				



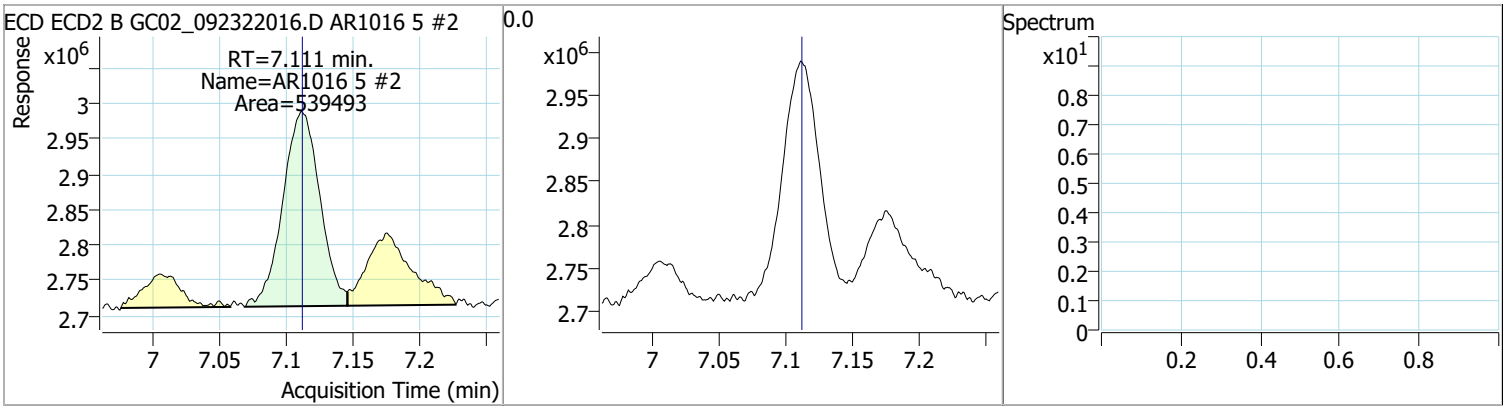
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	54.8571	6.35	0.00	876171 (m)				



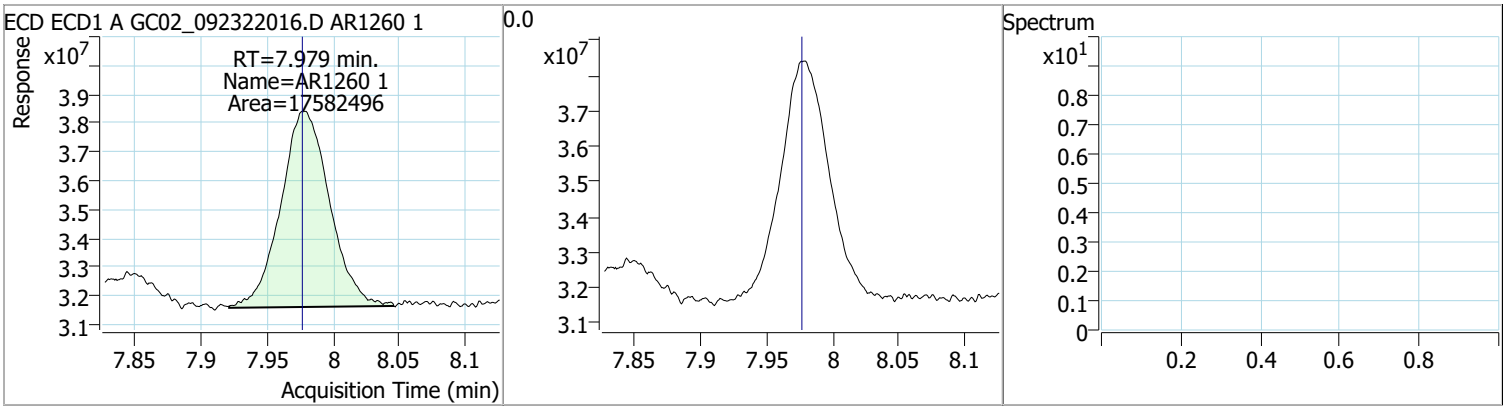
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	52.5680	6.51	0.00	603514				



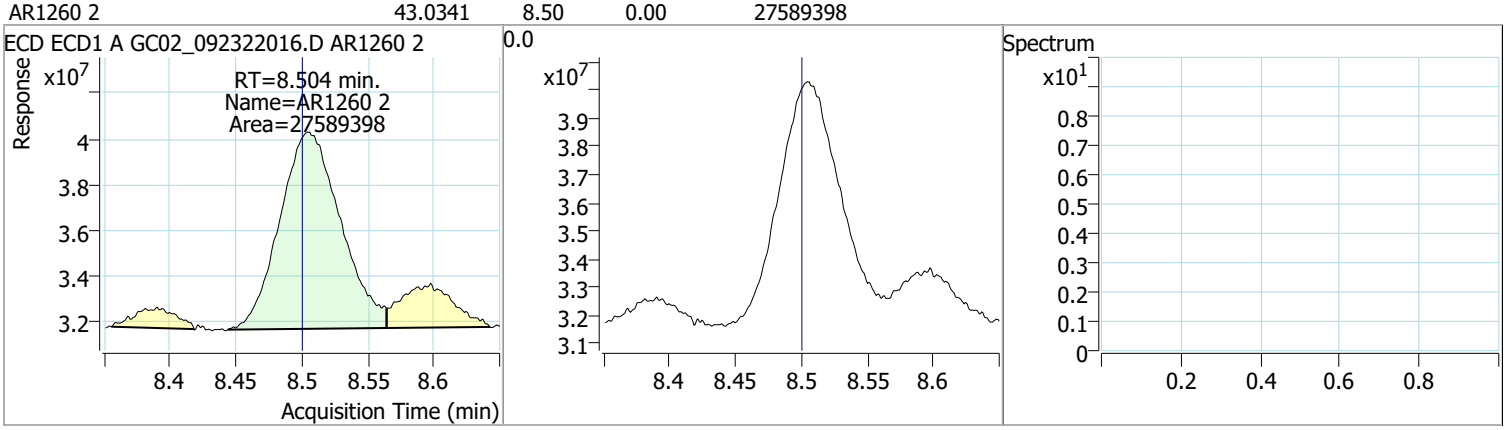
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	54.8584	7.11	0.00	539493				



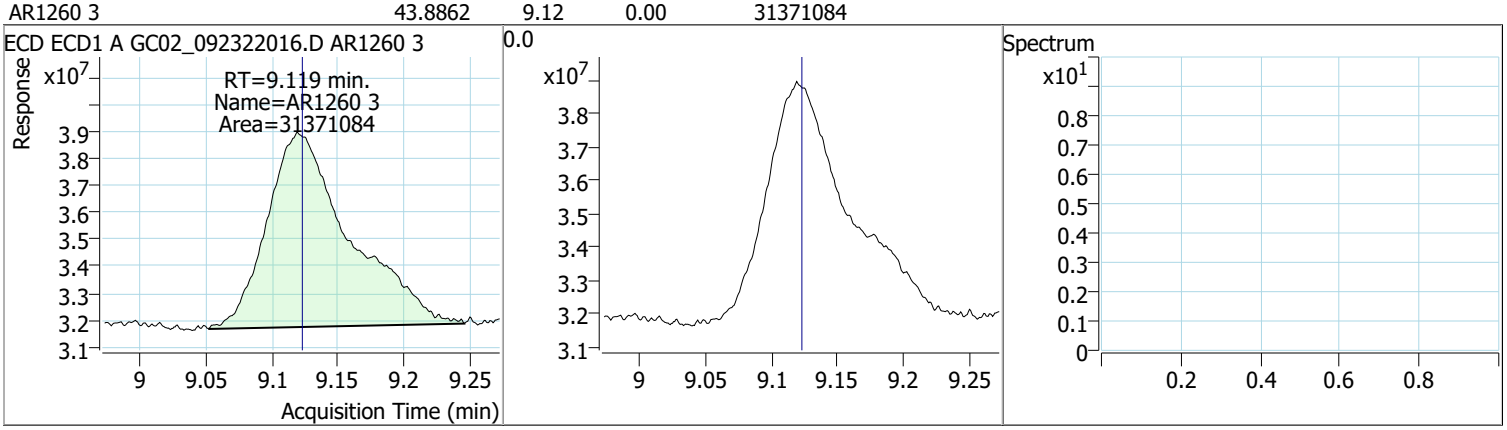
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	44.4434	7.98	0.00	17582496				



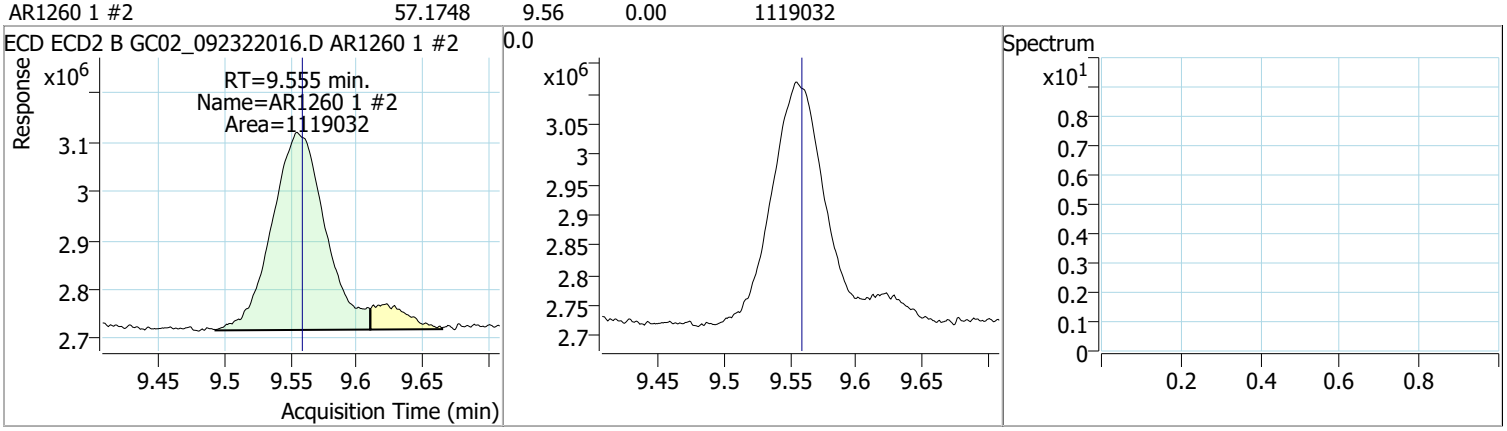
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	43.0341	8.50	0.00	27589398				



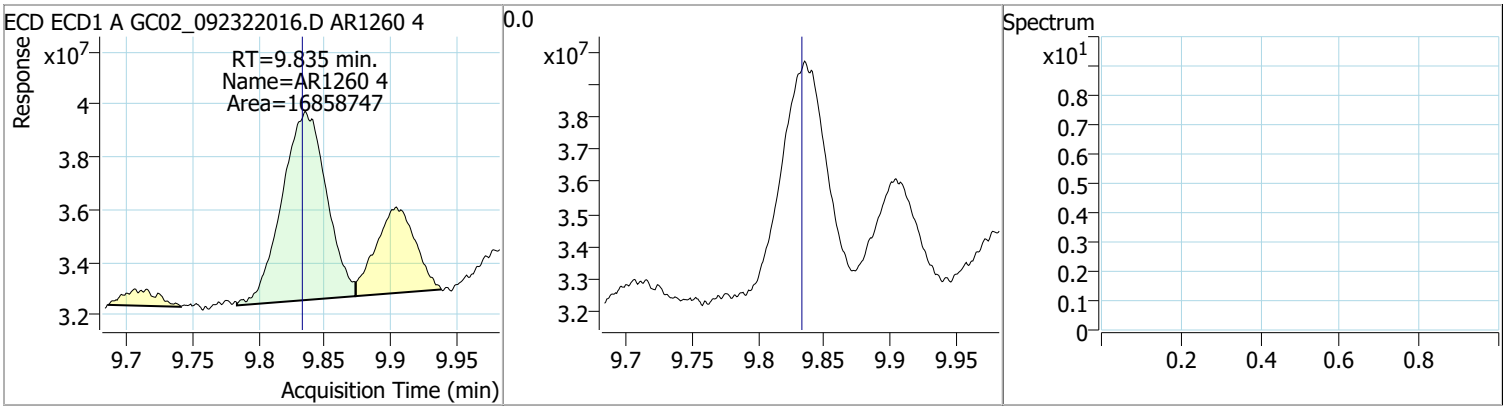
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	43.8862	9.12	0.00	31371084				



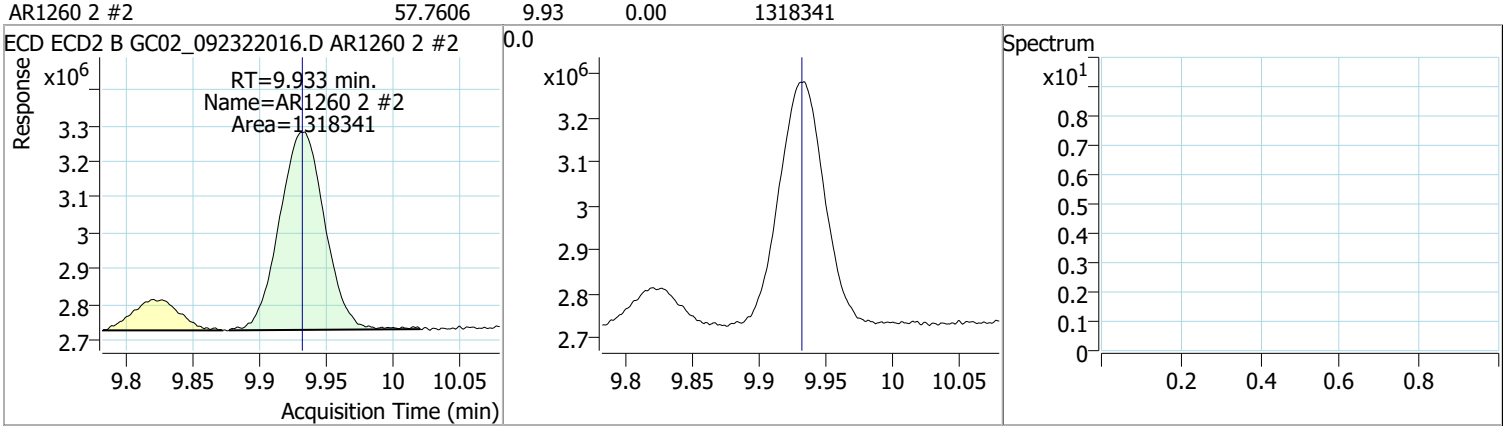
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	57.1748	9.56	0.00	1119032				



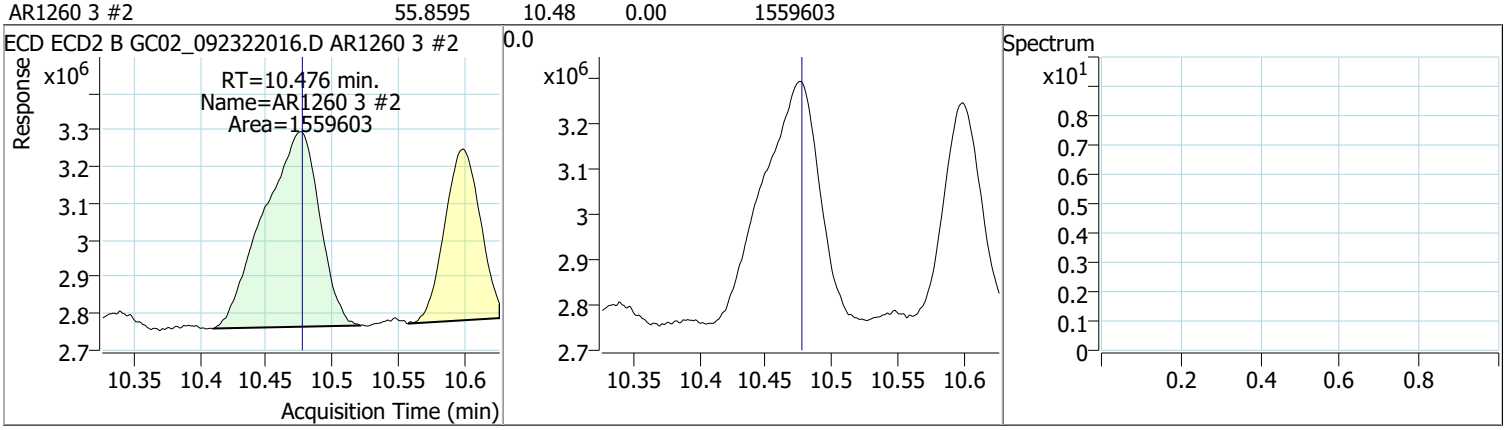
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.1737	9.84	0.00	16858747				



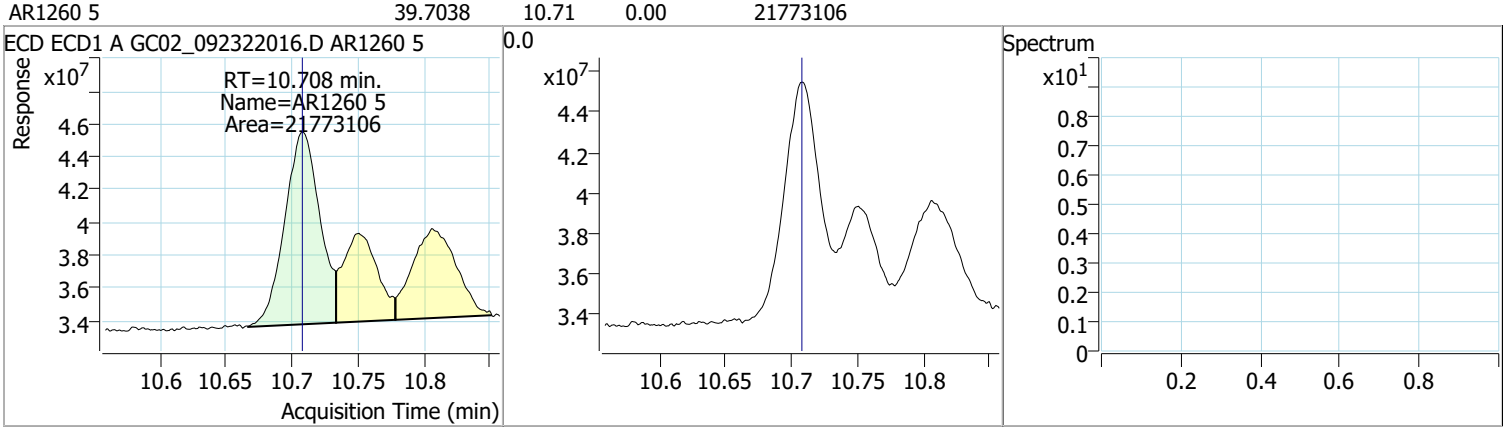
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	57.7606	9.93	0.00	1318341				



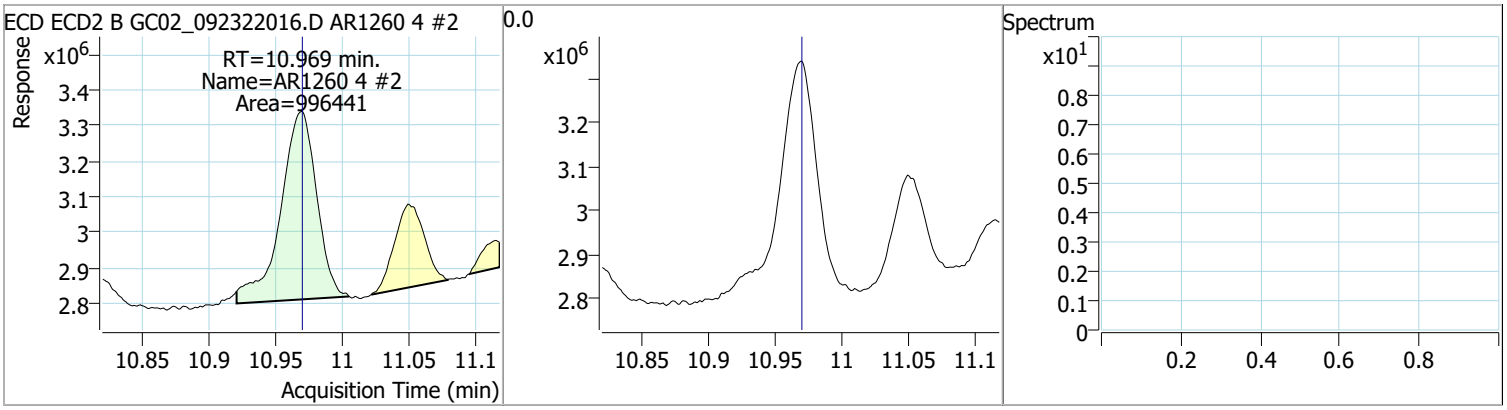
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	55.8595	10.48	0.00	1559603				



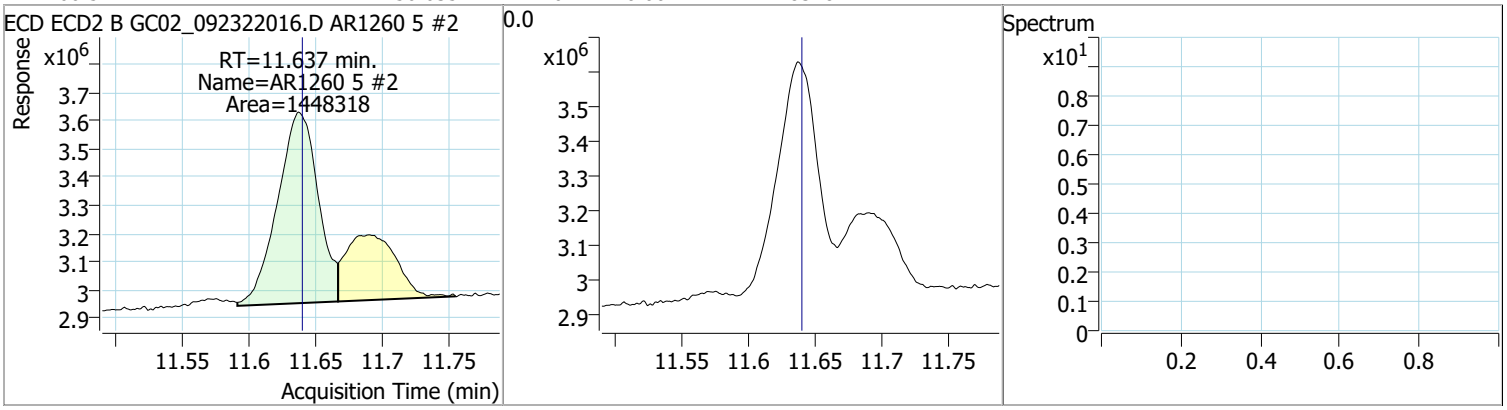
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	39.7038	10.71	0.00	21773106				



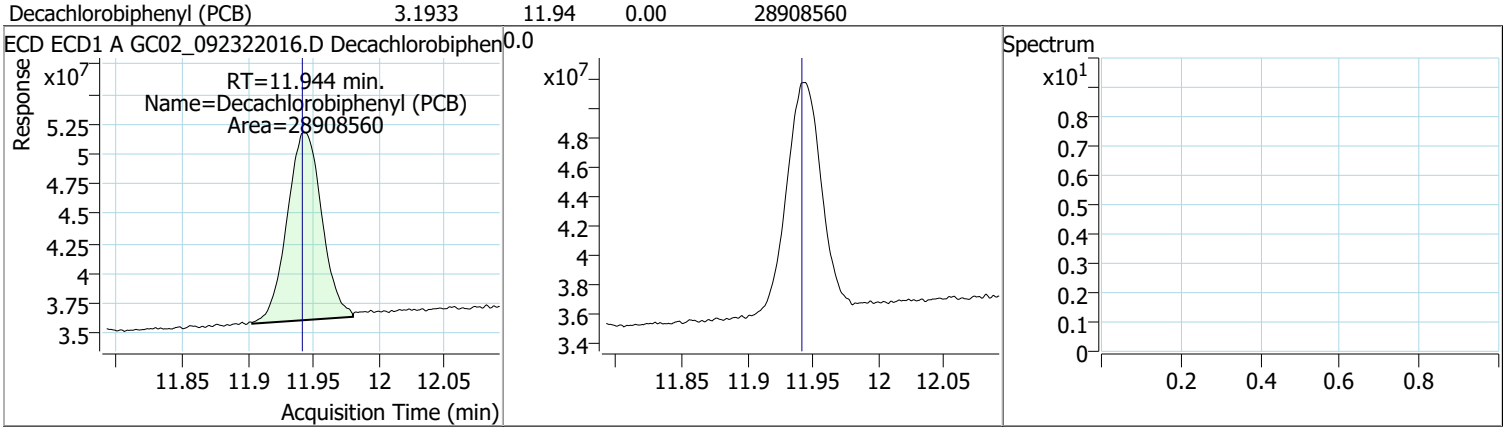
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	58.4704	10.97	0.00	996441				



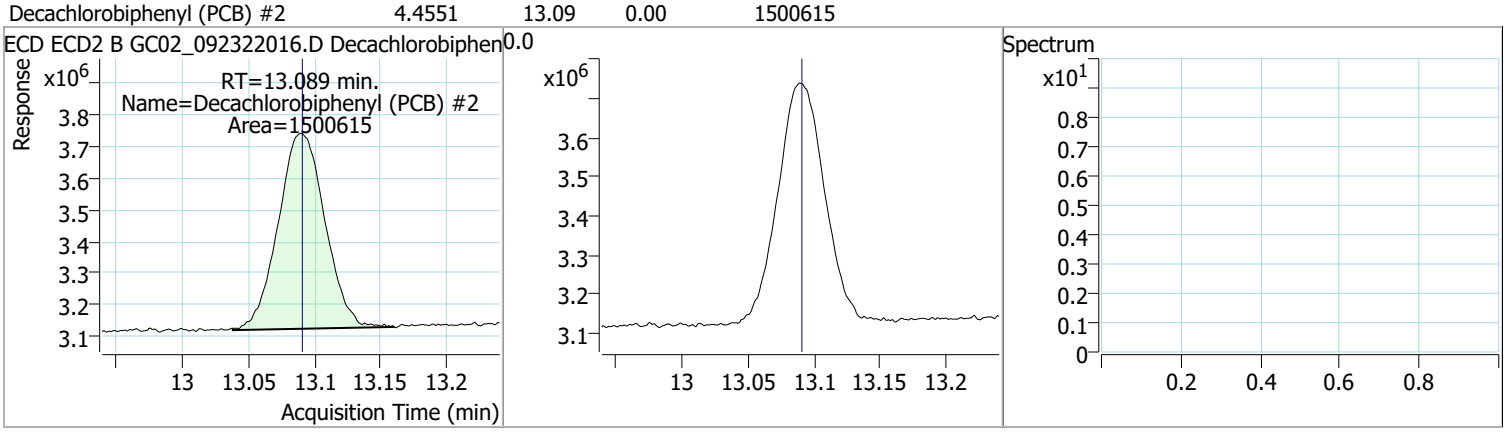
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	56.6351	11.64	0.00	1448318				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	3.1933	11.94	0.00	28908560				

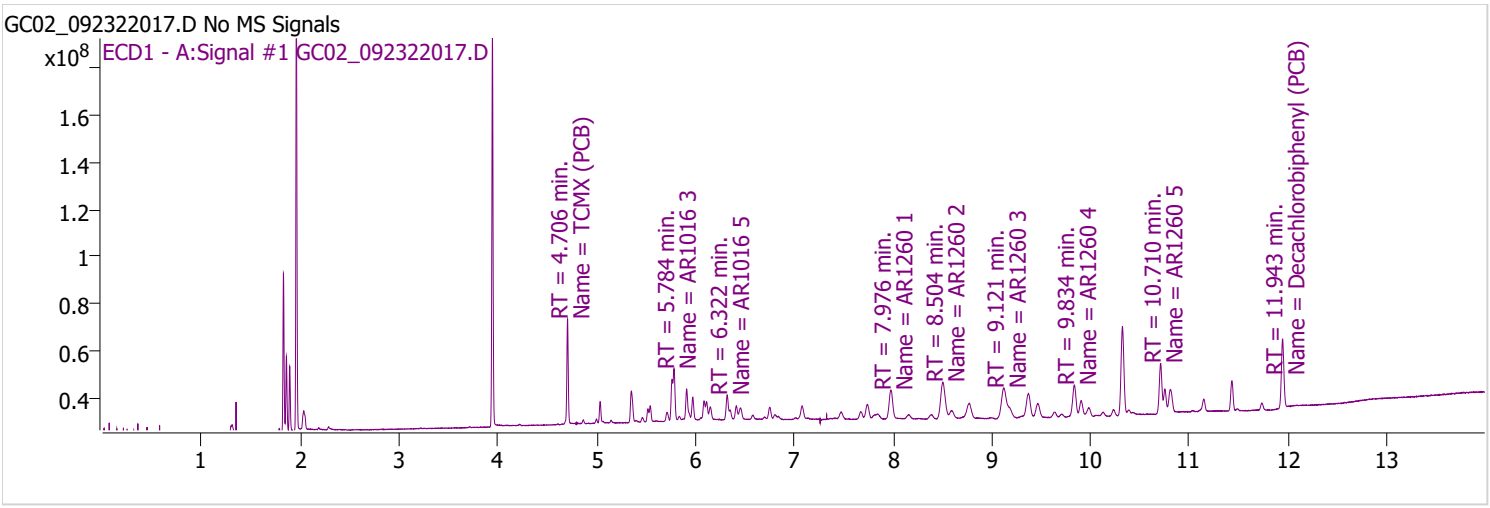


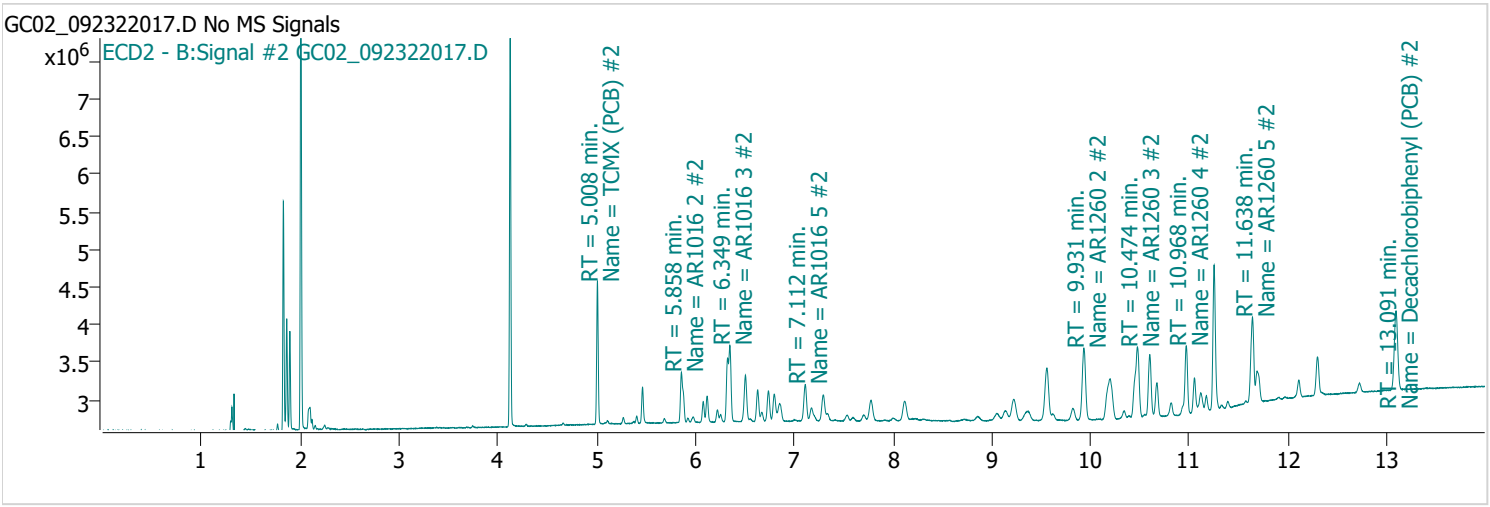
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.4551	13.09	0.00	1500615				



Quantitation Results Report (Not Reviewed)

Data File	GC02_092322017.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/23/2022 3:30:37 PM
Sample Name	ICAL, S17265	Instrument	SVOA-GC02
Vial	13	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	PCB 100 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



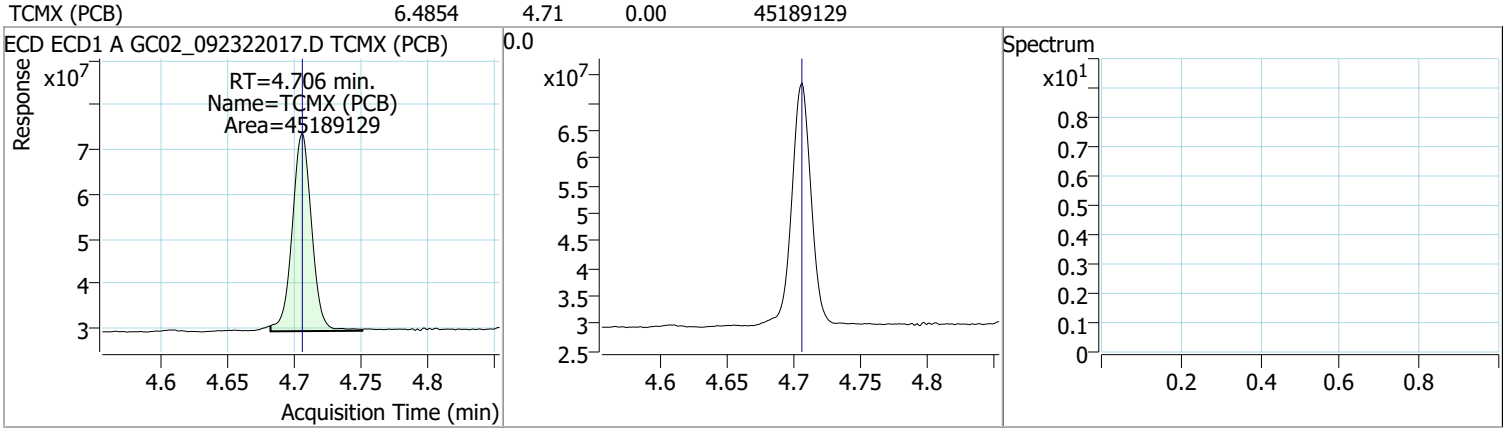


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	143606425.216	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	4862511.409	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	45189129.199	6.4854	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 32.43%		*	
S TCMX (PCB) #2	5.008	0.0	2089177.332	8.2752	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 41.38%		*	
S Decachlorobiphenyl (PCB)	11.943	0.0	51773904.128	6.2167	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 31.08%		*	
S Decachlorobiphenyl (PCB) #2	13.091	0.0	2579785.508	8.2131	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 41.07%		*	
Target Compounds							QValue

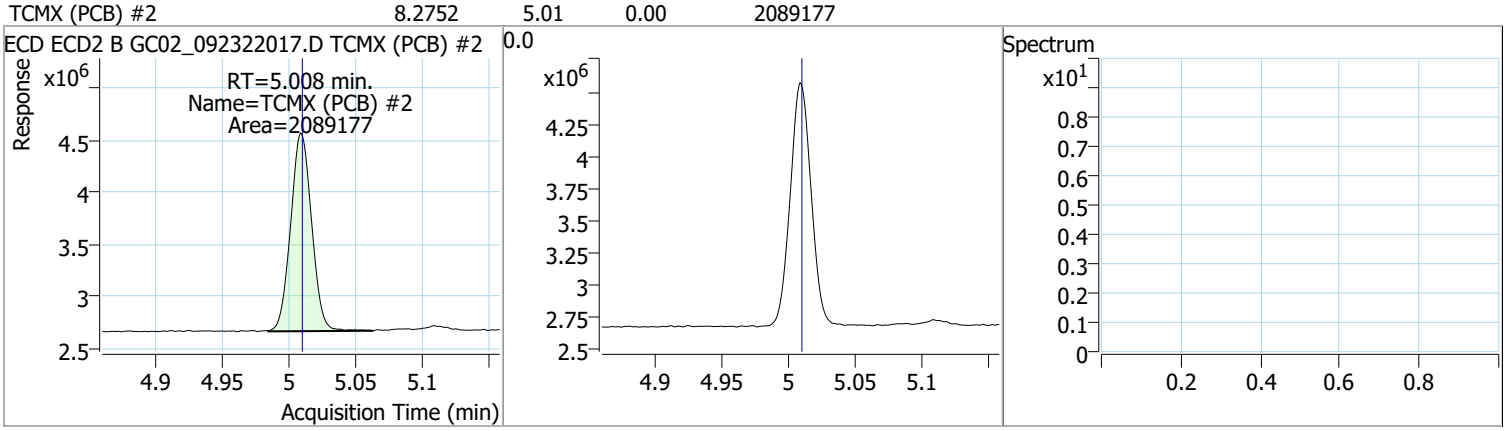
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.036	0.0	10133929.675	96.8169	ng/ml		100
T AR1016 2	5.352	0.0	21098881.851	93.4983	ng/ml		100
T AR1016 1 #2	5.465	0.0	612283.581	105.3279	ng/ml		100
T AR1016 3	5.784	0.0	29484161.694	84.6649	ng/ml	m	100
T AR1016 2 #2	5.858	0.0	1326903.051	108.5989	ng/ml		100
T AR1016 4	5.911	0.0	19319435.562	83.9645	ng/ml		100
T AR1016 5	6.322	0.0	16104548.731	86.9753	ng/ml		100
T AR1016 3 #2	6.349	0.0	1614723.153	108.4134	ng/ml	m	100
T AR1016 4 #2	6.506	0.0	1143428.195	106.8031	ng/ml		100
T AR1016 5 #2	7.112	0.0	961059.197	104.7968	ng/ml		100
T AR1260 1	7.976	0.0	30837792.304	84.7321	ng/ml		100
T AR1260 2	8.504	0.0	49835226.780	84.4976	ng/ml		100
T AR1260 3	9.121	0.0	56514695.436	85.9404	ng/ml		100
T AR1260 1 #2	9.558	0.0	1938043.519	106.1857	ng/ml		100
T AR1260 4	9.834	0.0	30330094.886	82.4760	ng/ml		100
T AR1260 2 #2	9.931	0.0	2225850.534	104.5781	ng/ml		100
T AR1260 3 #2	10.474	0.0	2735797.864	105.0770	ng/ml		100
T AR1260 5	10.710	0.0	39790358.761	78.8726	ng/ml		100
T AR1260 4 #2	10.968	0.0	1724218.570	108.4969	ng/ml		100
T AR1260 5 #2	11.638	0.0	2471813.700	103.6522	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

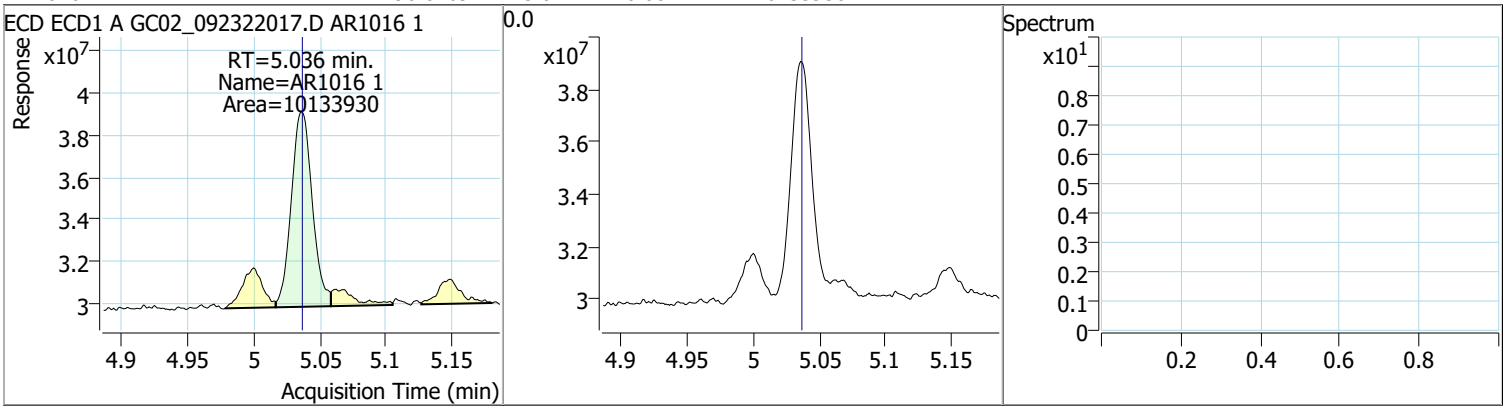
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	6.4854	4.71	0.00	45189129				



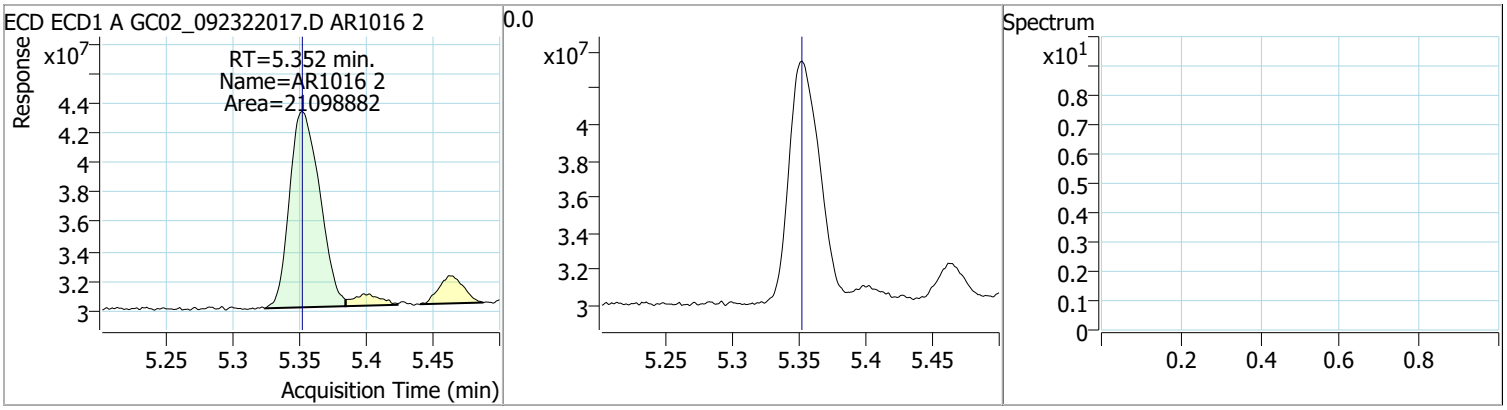
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.2752	5.01	0.00	2089177				



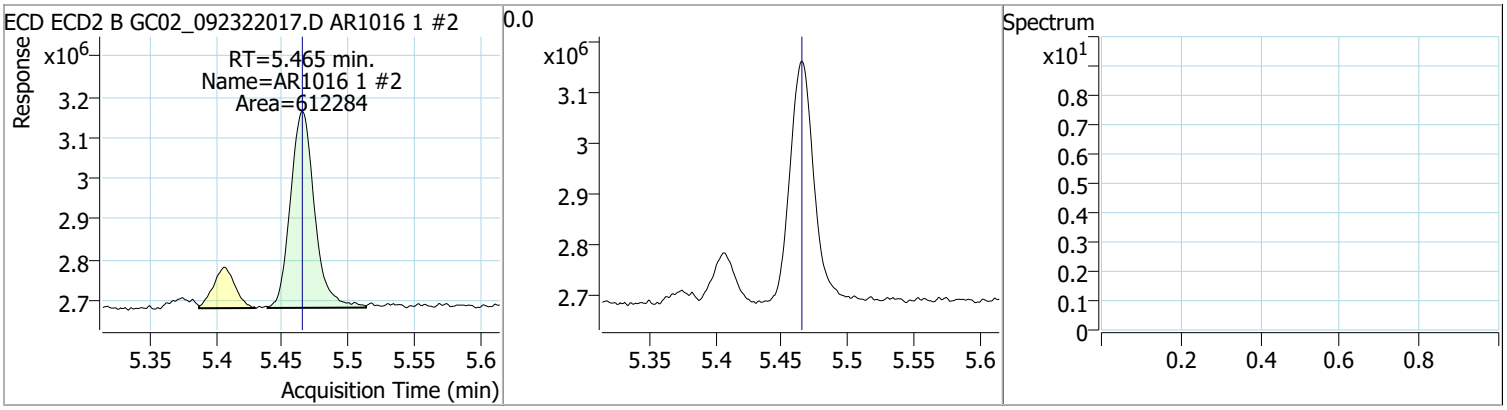
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	96.8169	5.04	0.00	10133930				



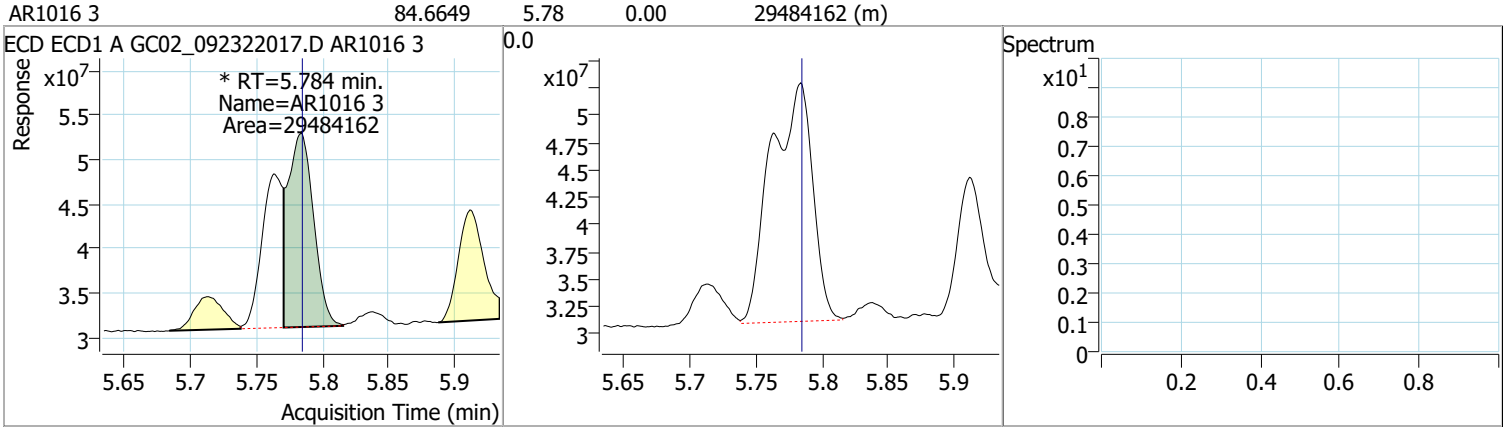
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	93.4983	5.35	0.00	21098882				



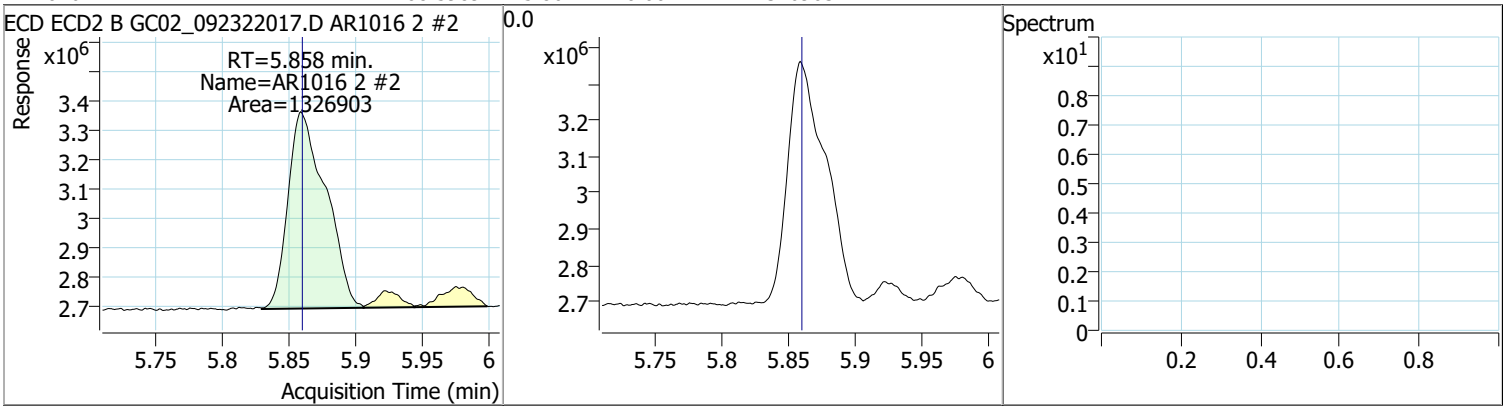
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	105.3279	5.46	0.00	612284				



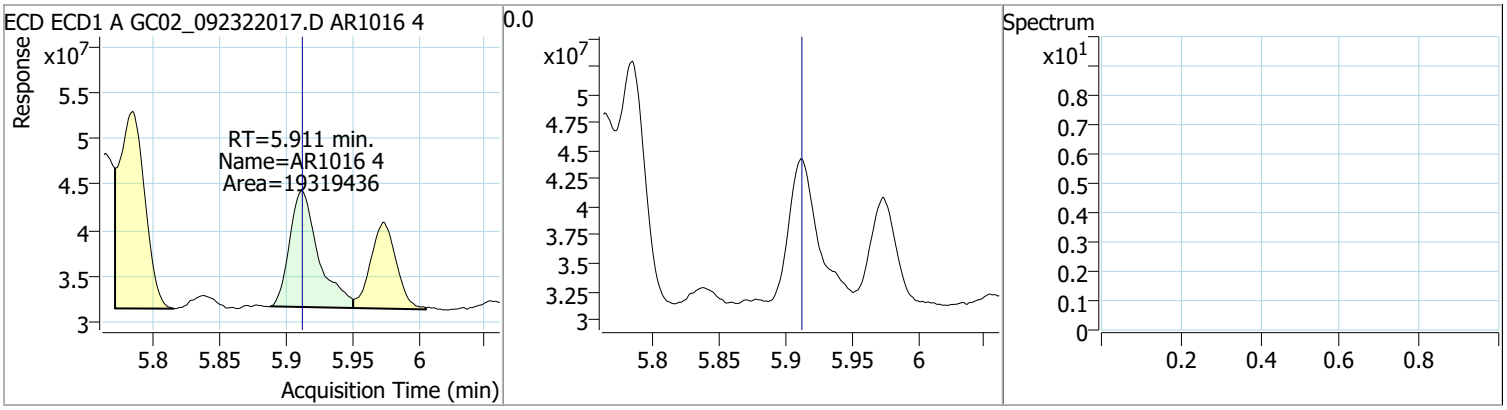
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	84.6649	5.78	0.00	29484162 (m)				



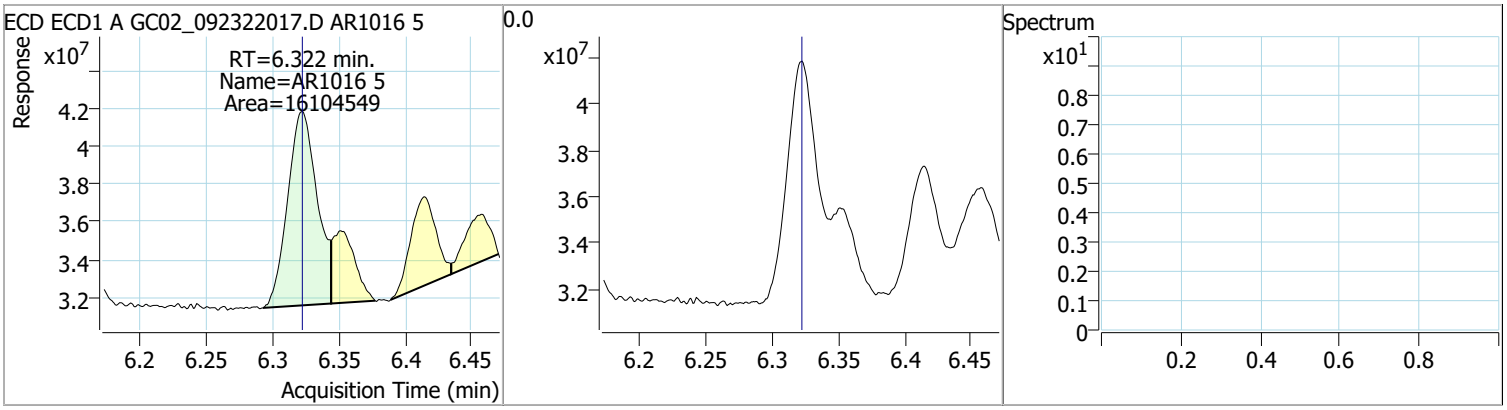
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	108.5989	5.86	0.00	1326903				



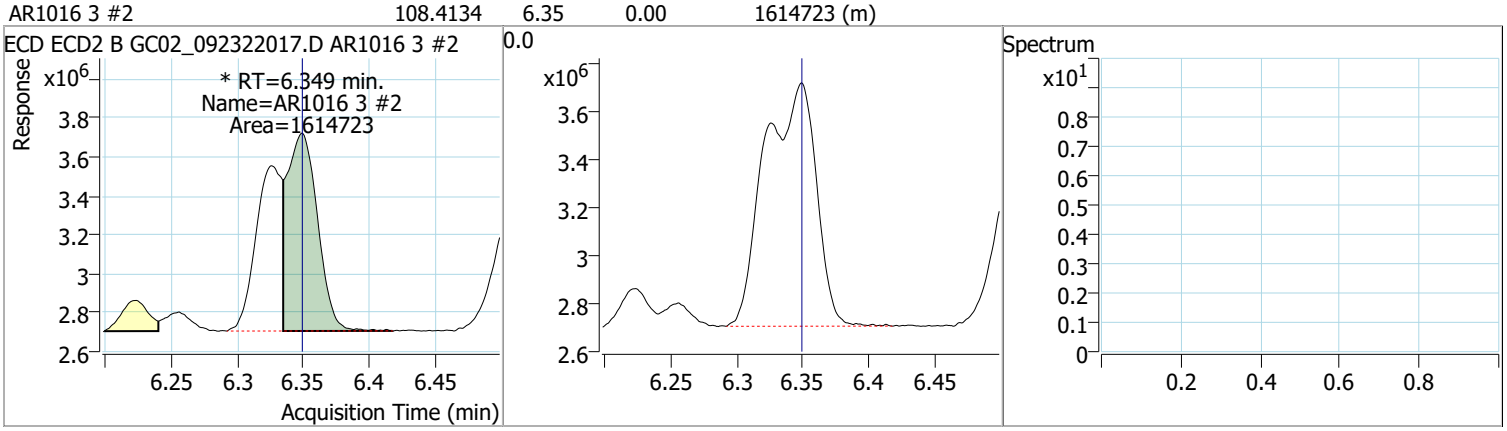
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	83.9645	5.91	0.00	19319436				



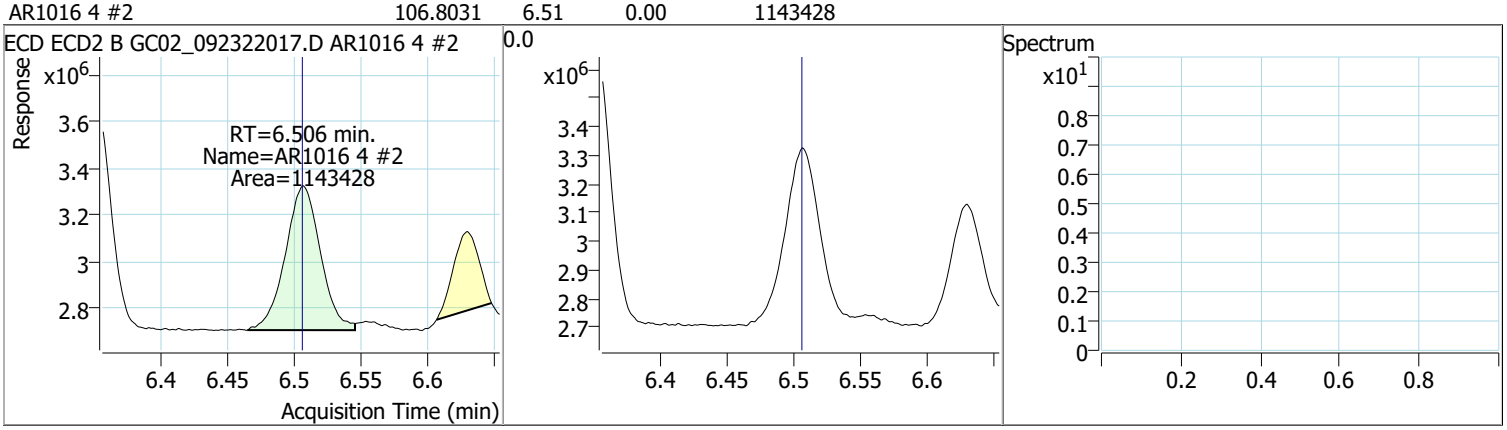
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	86.9753	6.32	0.00	16104549				



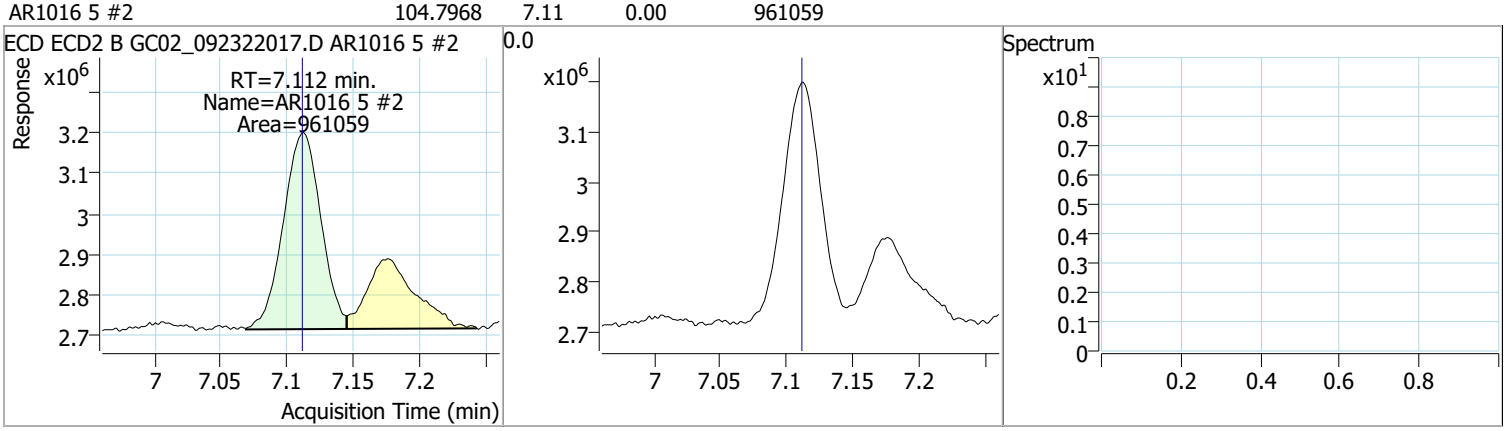
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	108.4134	6.35	0.00	1614723 (m)				



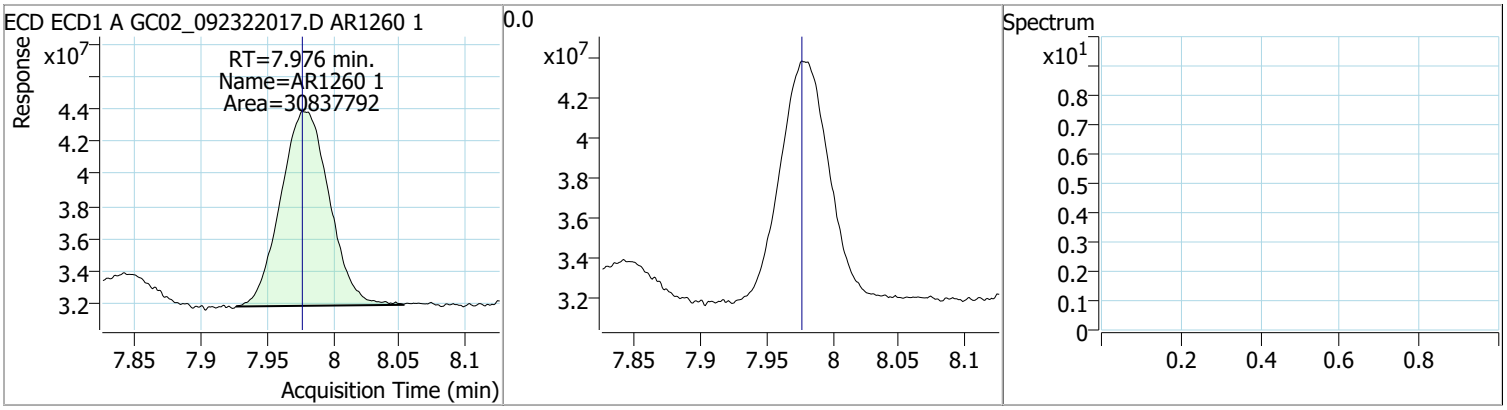
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	106.8031	6.51	0.00	1143428				



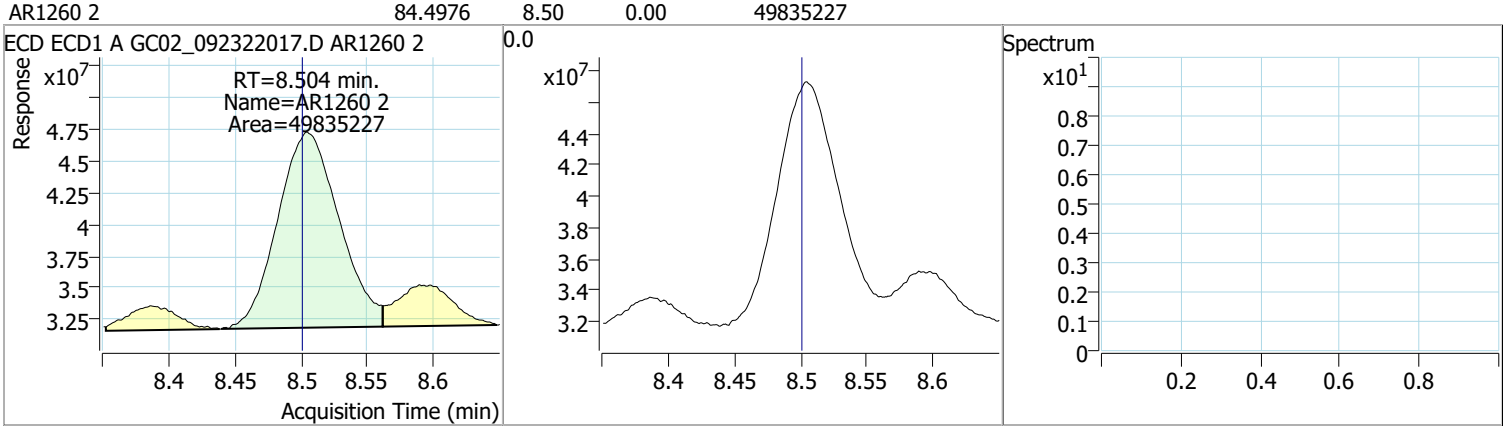
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	104.7968	7.11	0.00	961059				



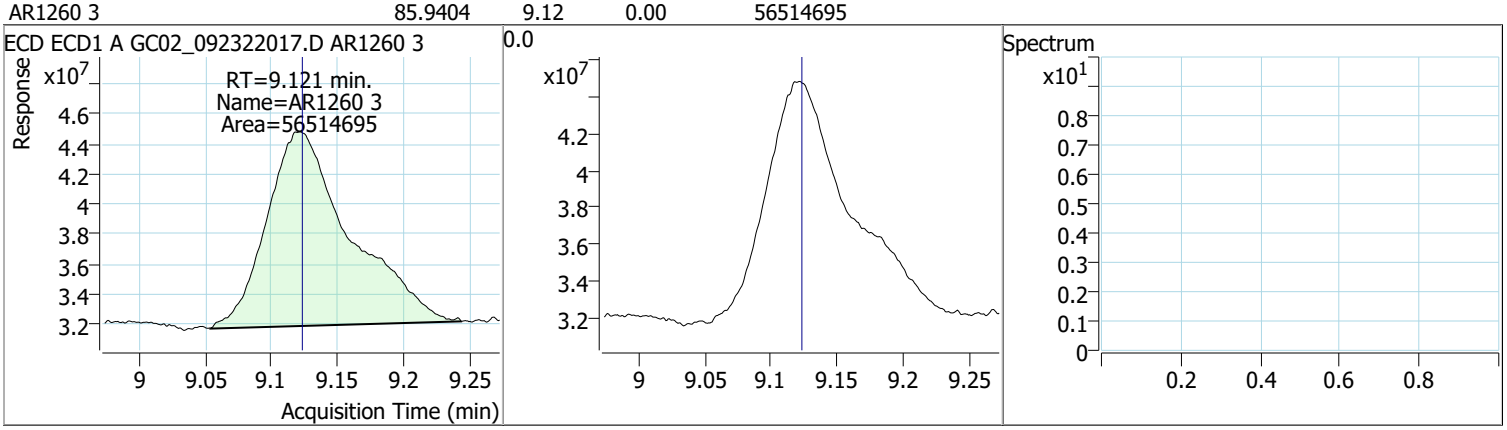
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	84.7321	7.98	0.00	30837792				



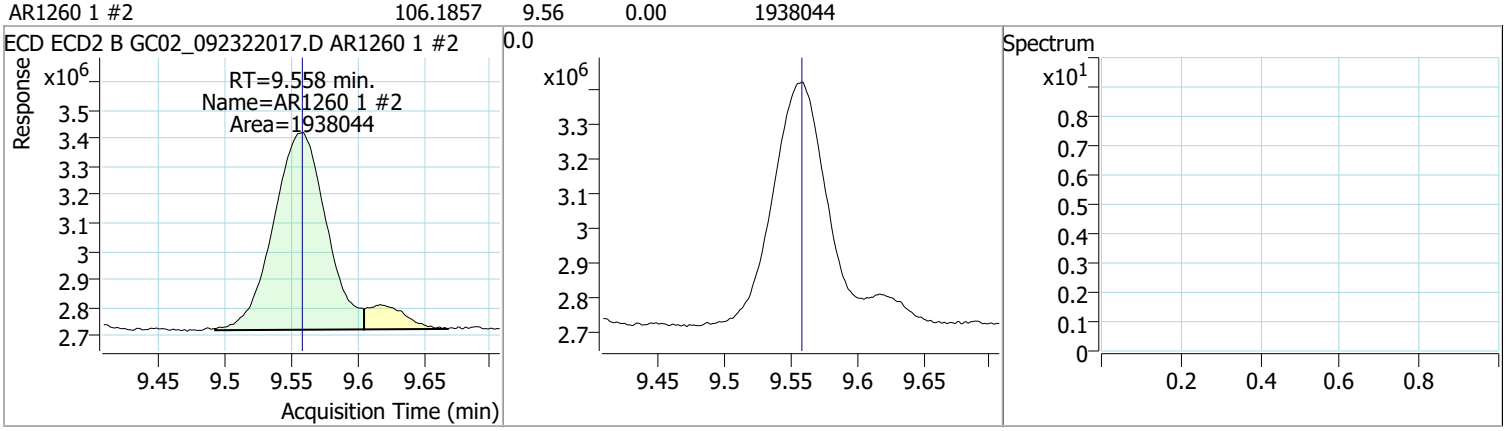
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	84.4976	8.50	0.00	49835227				



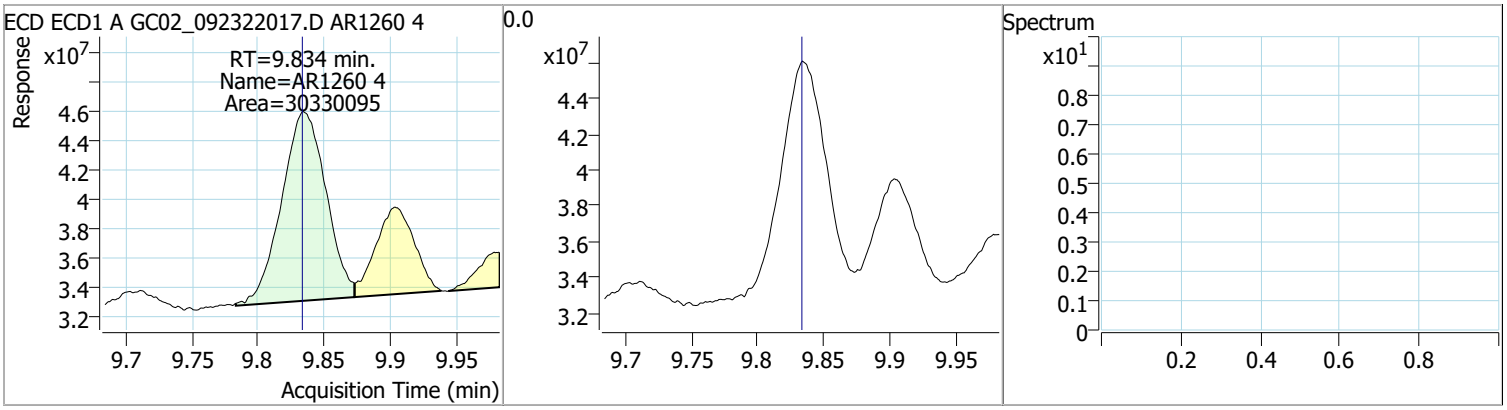
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	85.9404	9.12	0.00	56514695				



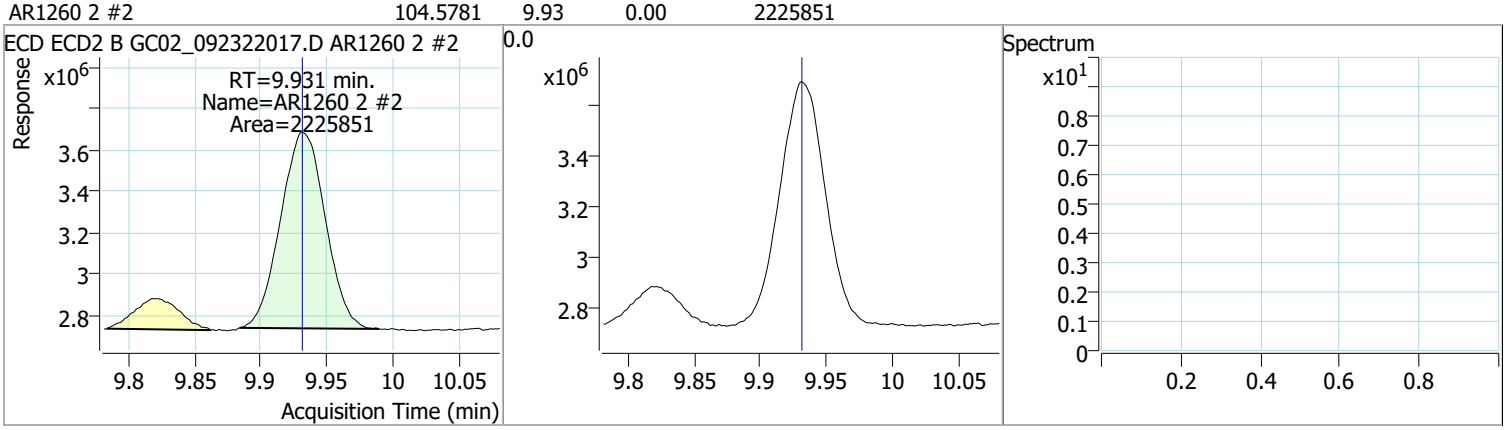
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	106.1857	9.56	0.00	1938044				



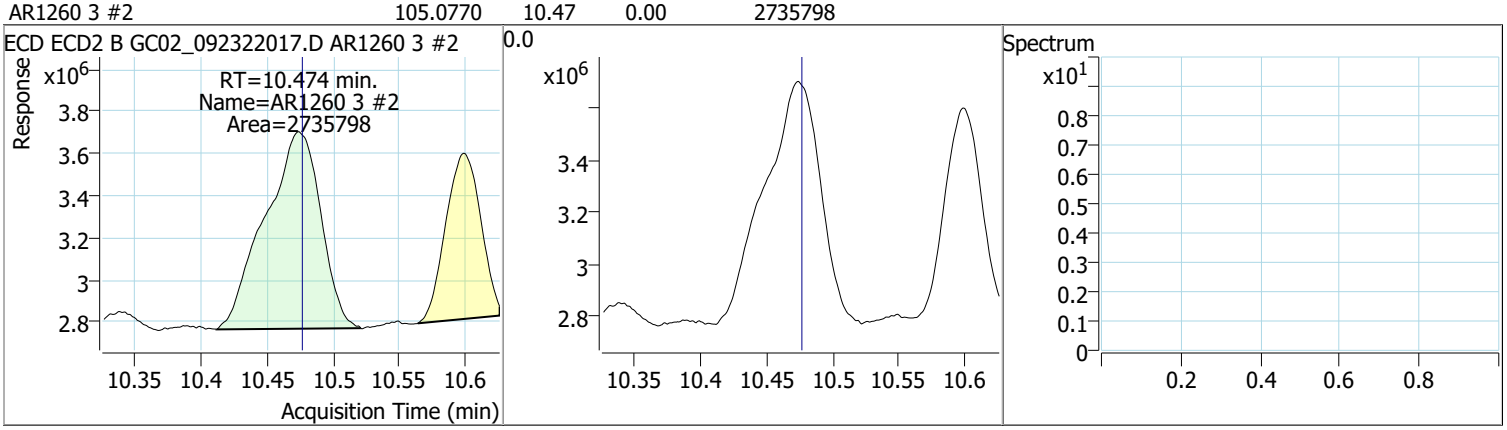
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	82.4760	9.83	0.00	30330095				



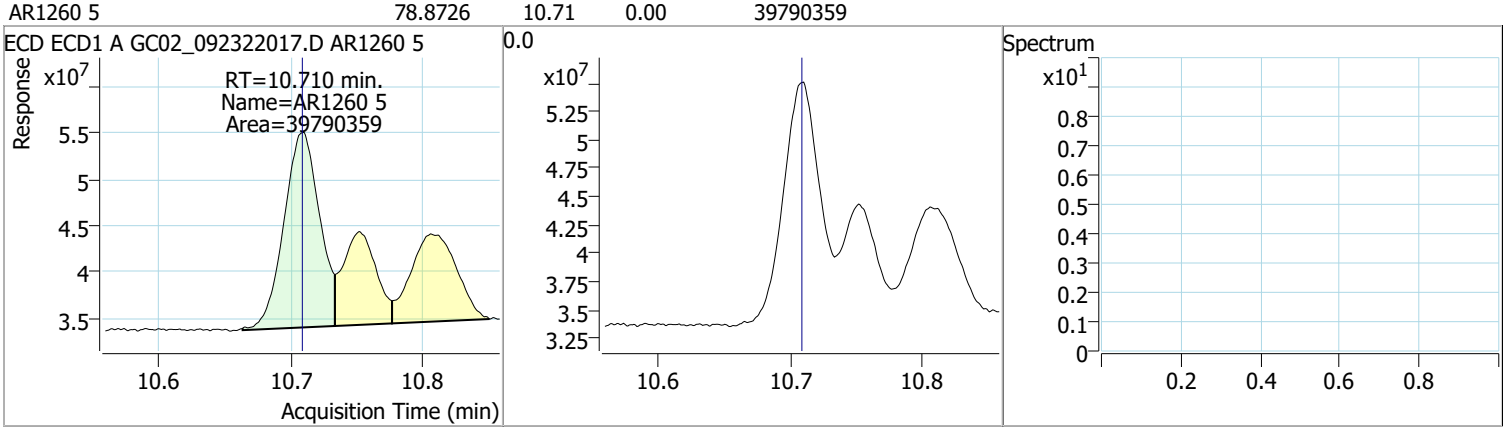
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	104.5781	9.93	0.00	2225851				



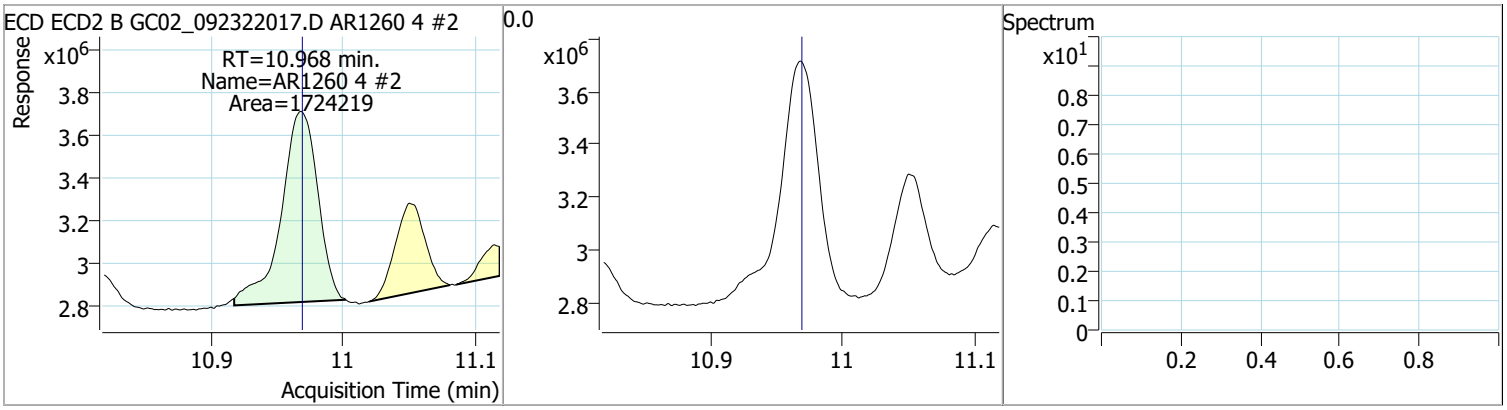
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	105.0770	10.47	0.00	2735798				



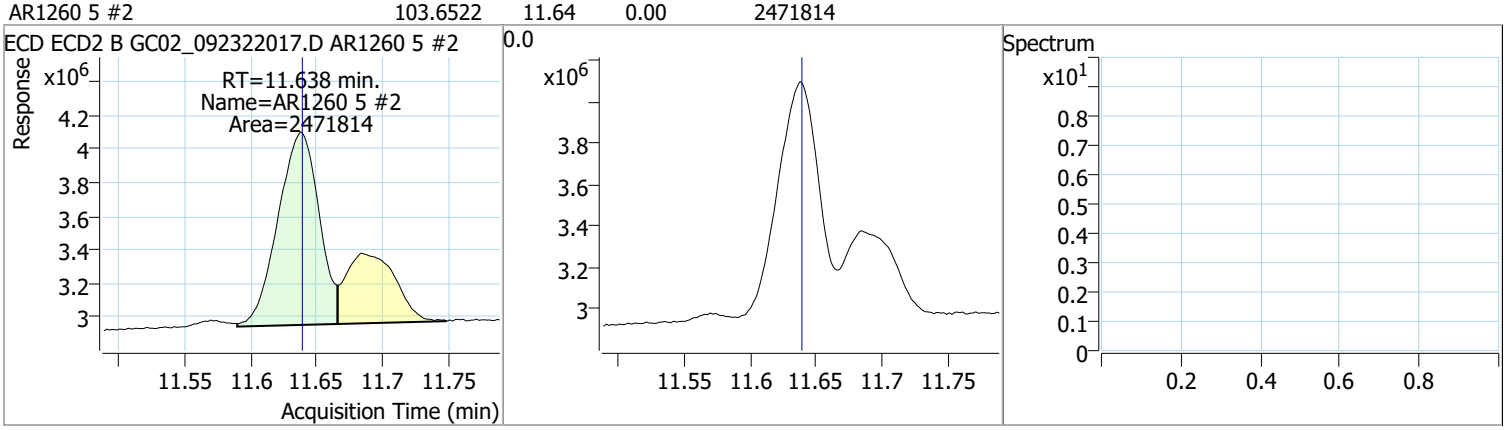
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	78.8726	10.71	0.00	39790359				



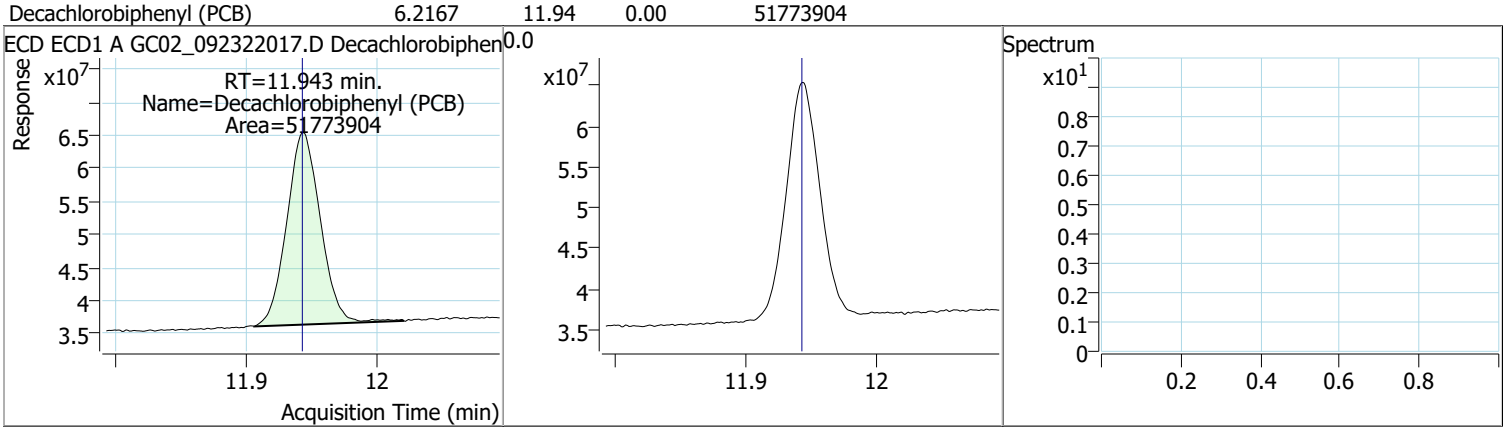
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	108.4969	10.97	0.00	1724219				



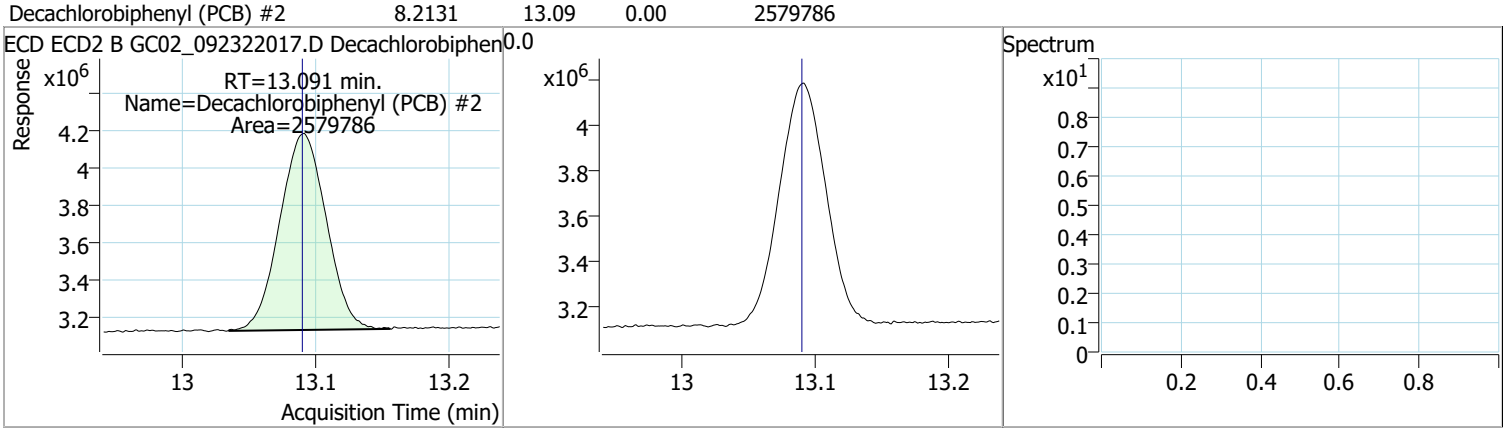
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	103.6522	11.64	0.00	2471814				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	6.2167	11.94	0.00	51773904				

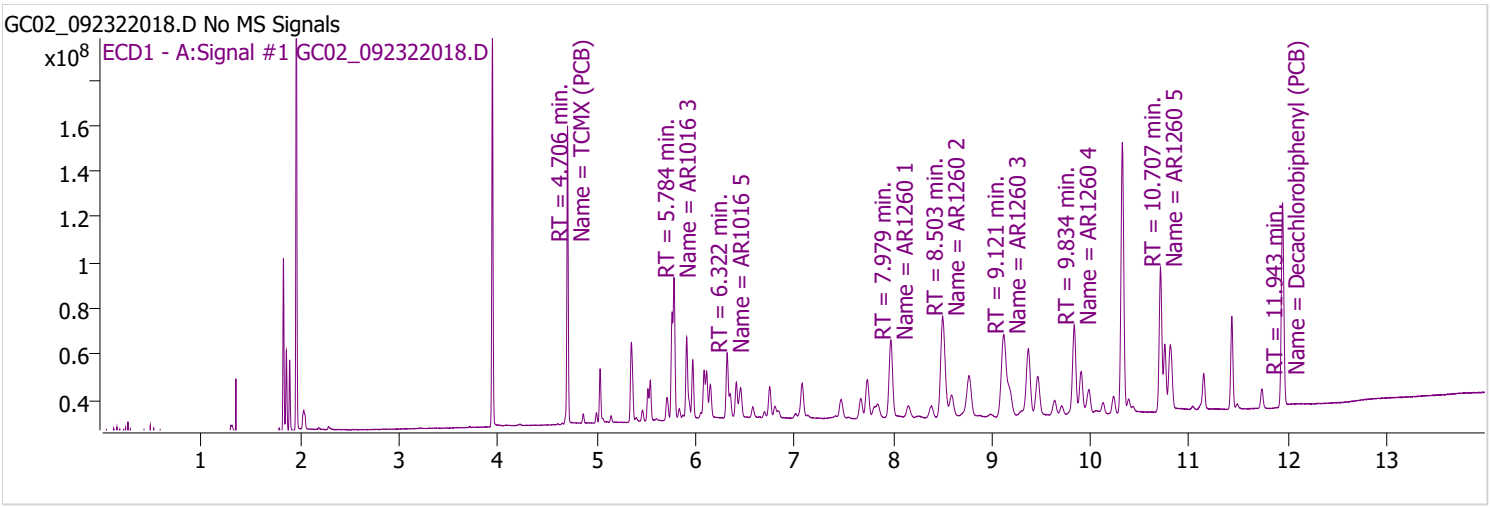


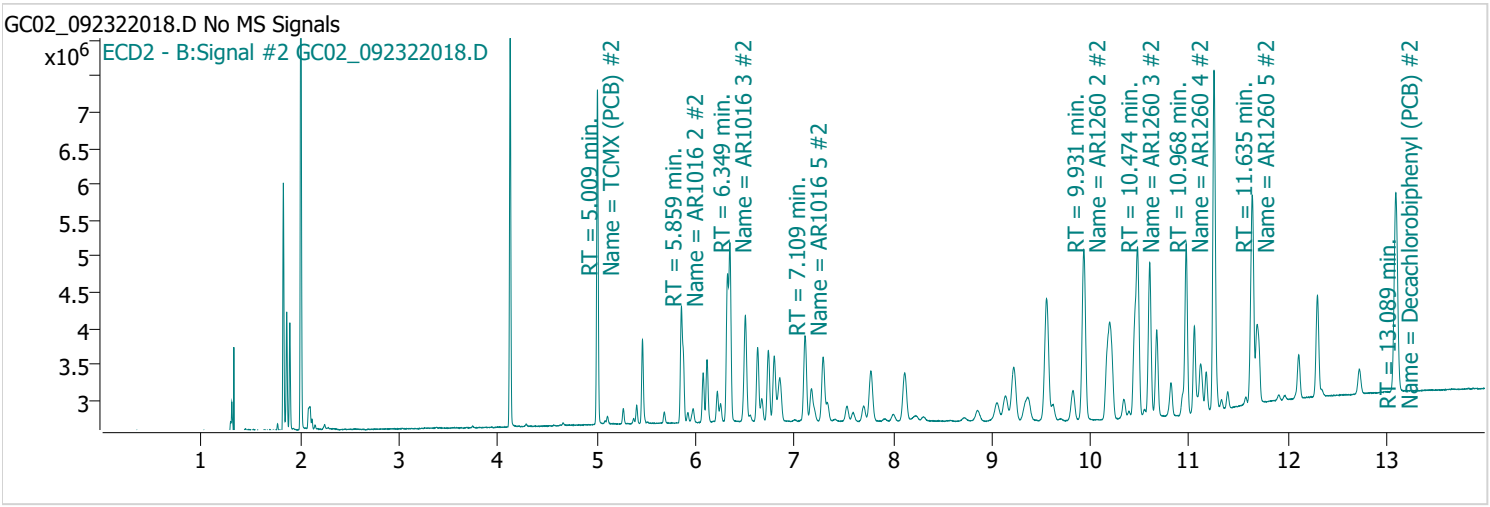
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	8.2131	13.09	0.00	2579786				



Quantitation Results Report (Not Reviewed)

Data File	GC02_092322018.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/23/2022 3:48:28 PM
Sample Name	ICAL, S17266	Instrument	SVOA-GC02
Vial	14	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	PCB 250 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
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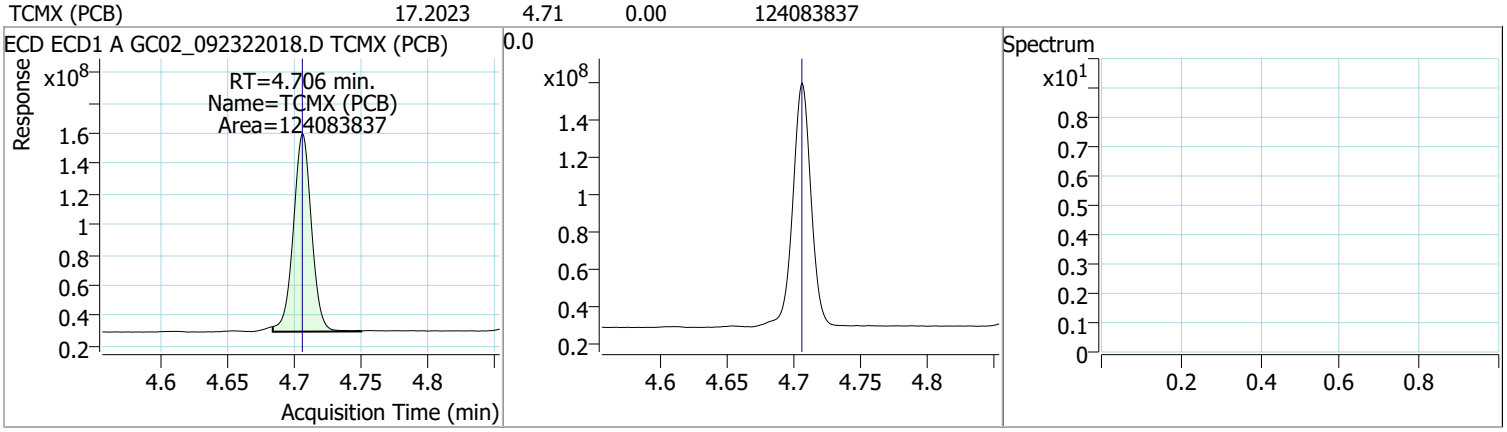


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	148664564.771	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	4998046.556	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.706	0.0	124083837.390	17.2023	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 86.01%		
S TCMX (PCB) #2	5.009	0.0	5084035.095	19.5917	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.96%		
S Decachlorobiphenyl (PCB)	11.943	0.0	158283641.103	18.3590	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 91.79%		
S Decachlorobiphenyl (PCB) #2	13.089	0.0	6820277.496	21.1246	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 105.62%		
Target Compounds						QValue

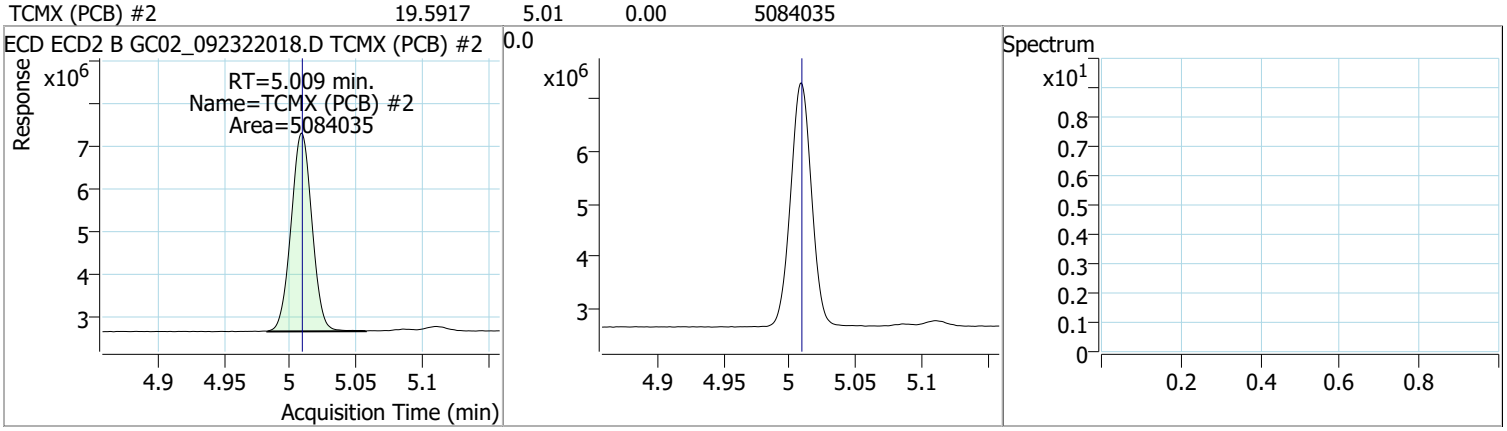
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.035	0.0	25773955.511	237.8598	ng/ml	m	100
T AR1016 2	5.352	0.0	54572061.254	233.6045	ng/ml		100
T AR1016 1 #2	5.464	0.0	1514928.922	253.5382	ng/ml		100
T AR1016 3	5.784	0.0	80287589.646	222.7047	ng/ml		100
T AR1016 2 #2	5.859	0.0	3234631.464	257.5559	ng/ml		100
T AR1016 4	5.912	0.0	53614082.698	225.0851	ng/ml		100
T AR1016 5	6.322	0.0	43008169.128	224.3700	ng/ml		100
T AR1016 3 #2	6.349	0.0	3895185.844	254.4330	ng/ml	m	100
T AR1016 4 #2	6.505	0.0	2945605.265	267.6764	ng/ml		100
T AR1016 5 #2	7.109	0.0	2423446.018	257.0937	ng/ml		100
T AR1260 1	7.979	0.0	86400371.265	229.3225	ng/ml		100
T AR1260 2	8.503	0.0	136908496.682	224.2358	ng/ml		100
T AR1260 3	9.121	0.0	156730093.473	230.2262	ng/ml		100
T AR1260 1 #2	9.554	0.0	4845708.602	258.2975	ng/ml		100
T AR1260 4	9.834	0.0	86367606.762	226.8669	ng/ml		100
T AR1260 2 #2	9.931	0.0	5713215.162	261.1473	ng/ml		100
T AR1260 3 #2	10.474	0.0	6970589.305	260.4675	ng/ml		100
T AR1260 5	10.707	0.0	117944824.745	225.8363	ng/ml		100
T AR1260 4 #2	10.968	0.0	4130074.799	252.8385	ng/ml		100
T AR1260 5 #2	11.635	0.0	6367139.780	259.7571	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

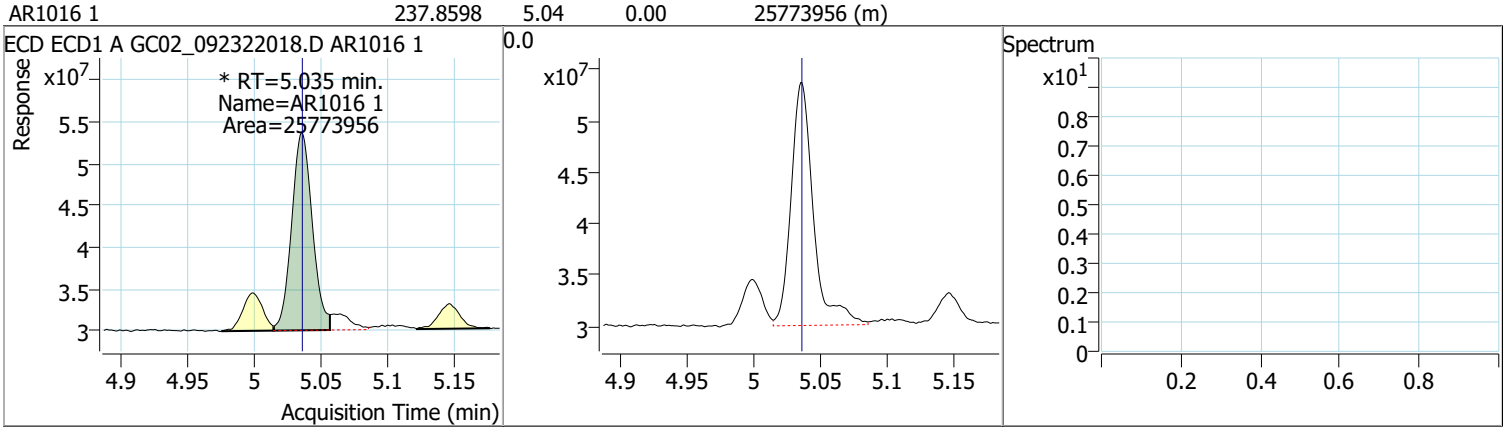
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	17.2023	4.71	0.00	124083837				



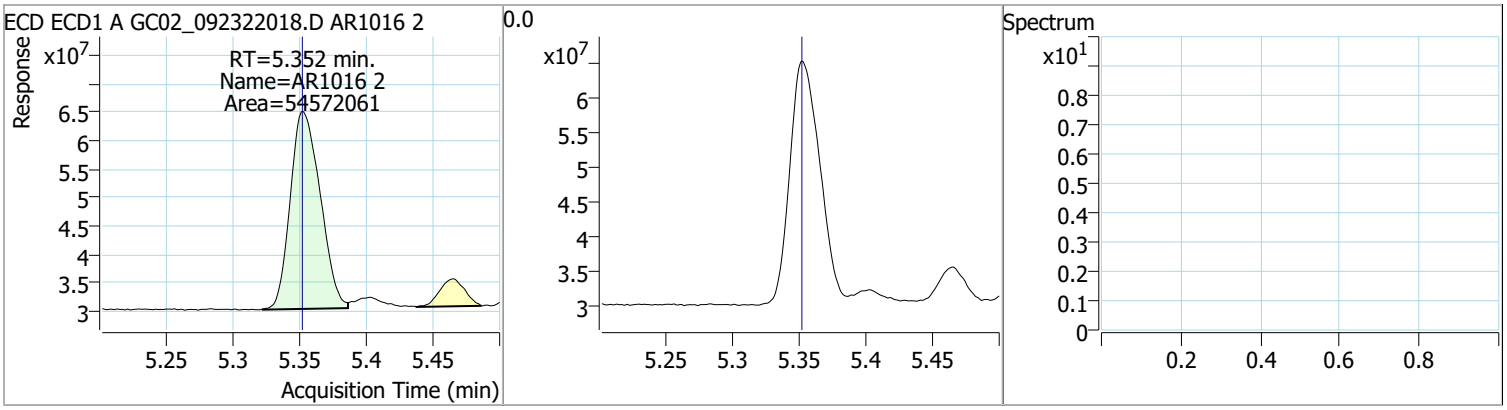
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.5917	5.01	0.00	5084035				



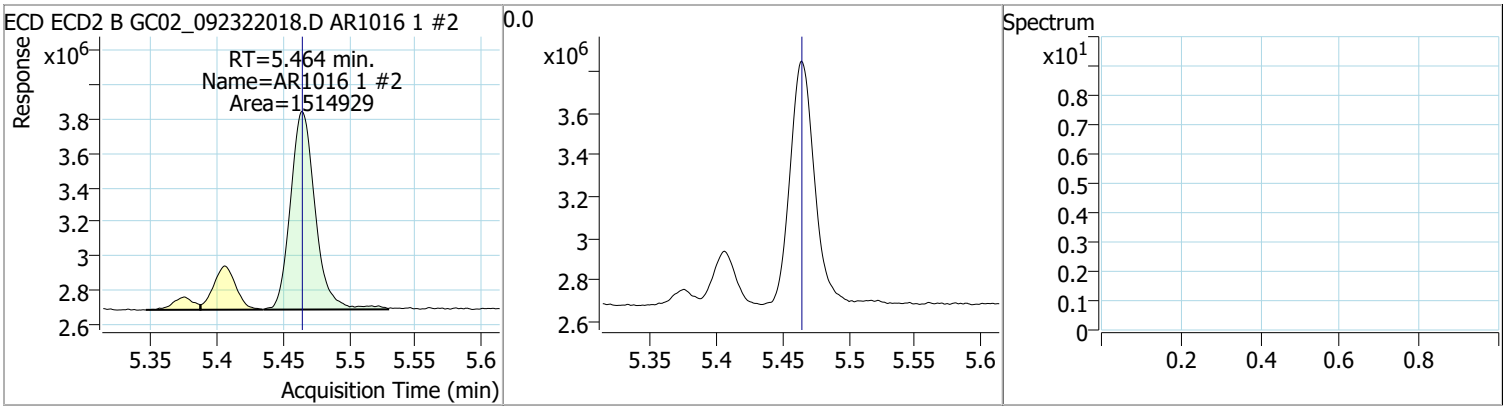
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	237.8598	5.04	0.00	25773956 (m)				



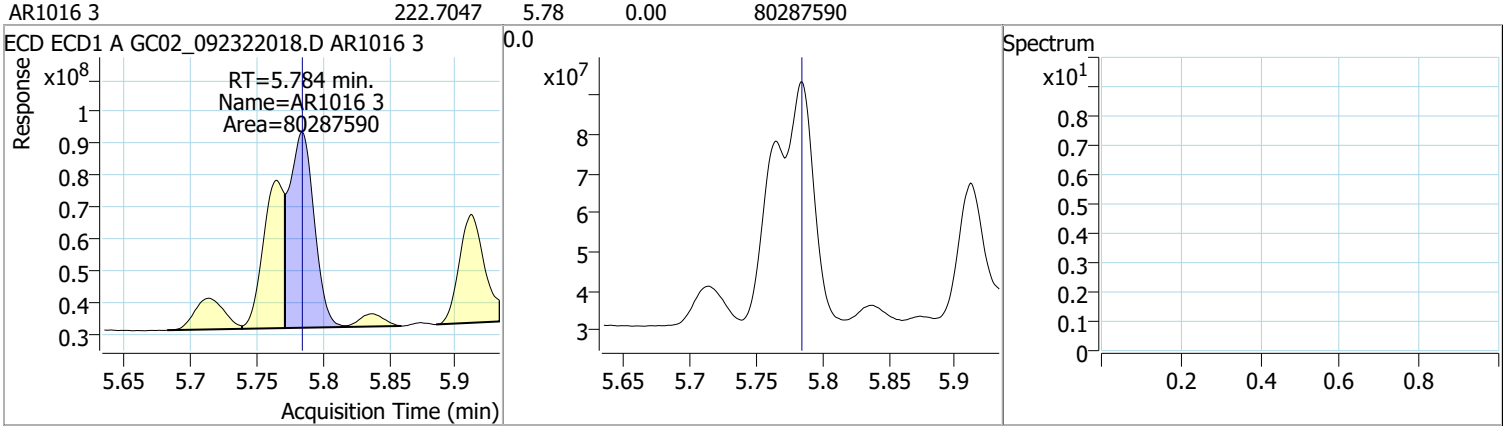
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	233.6045	5.35	0.00	54572061				



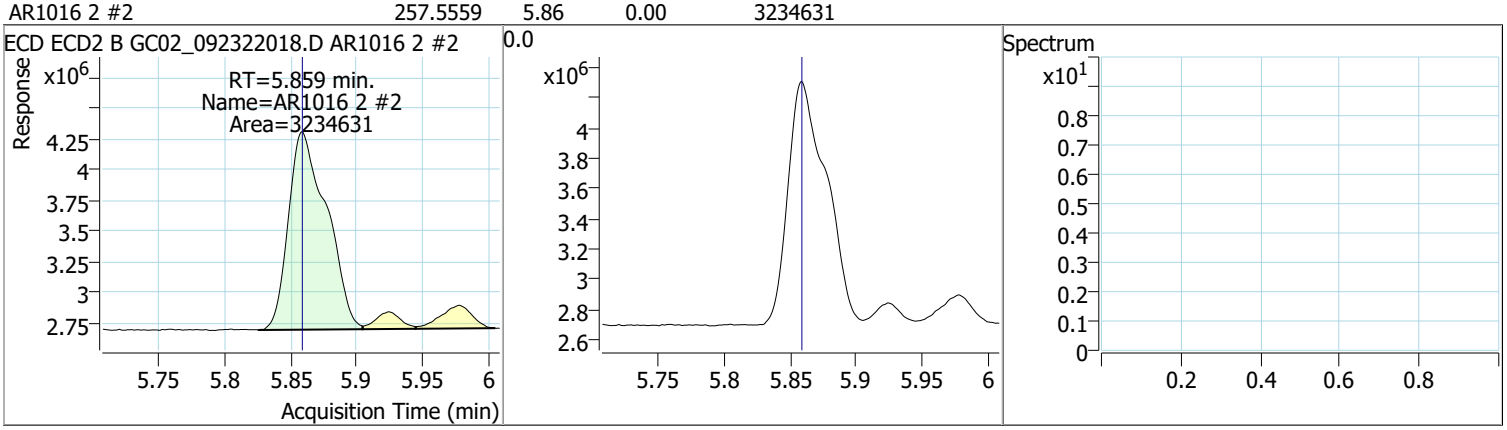
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	253.5382	5.46	0.00	1514929				



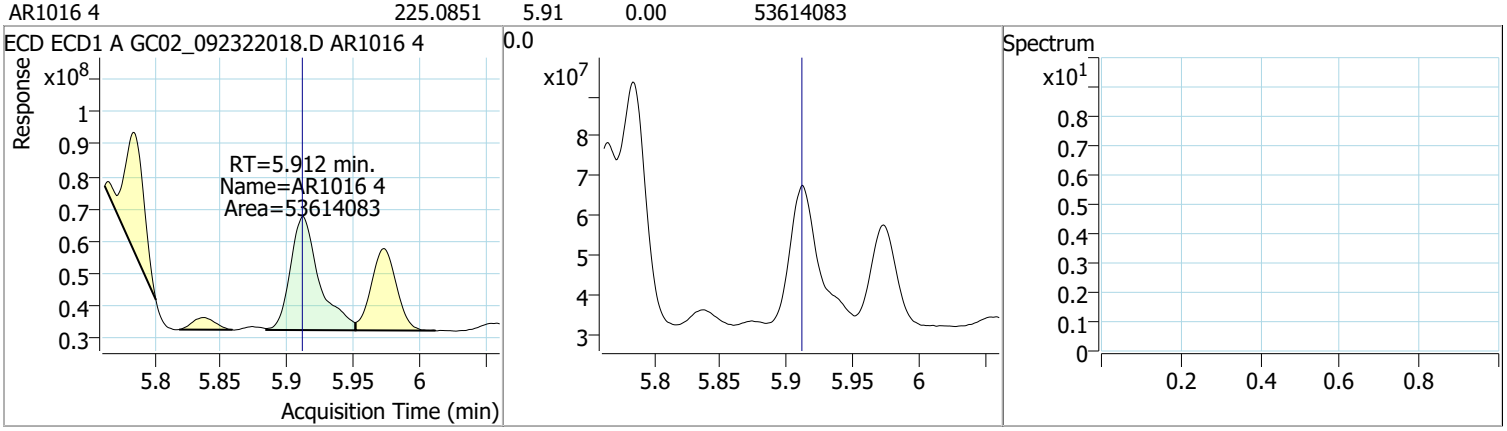
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	222.7047	5.78	0.00	80287590				



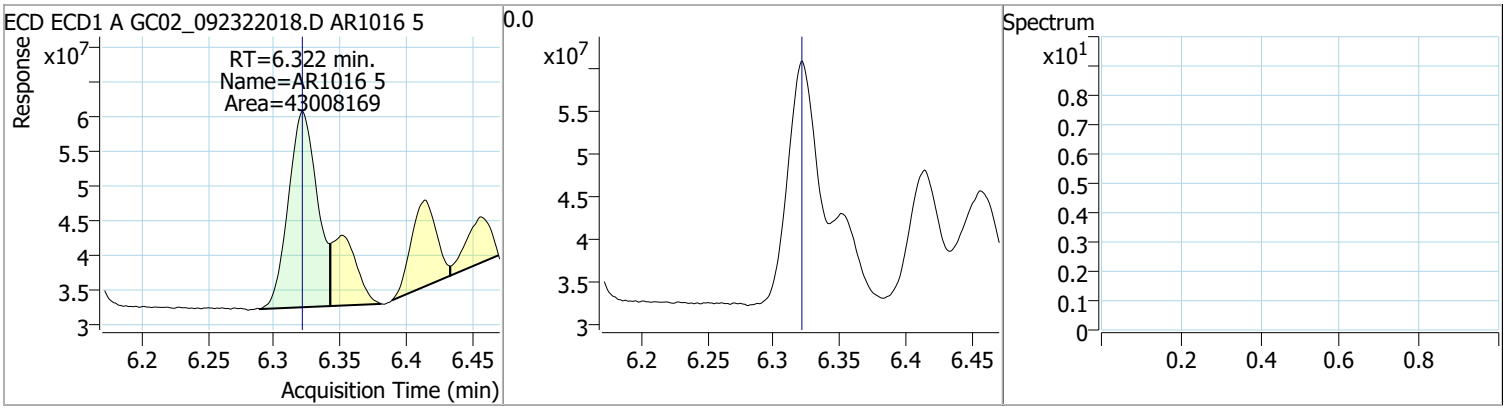
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	257.5559	5.86	0.00	3234631				



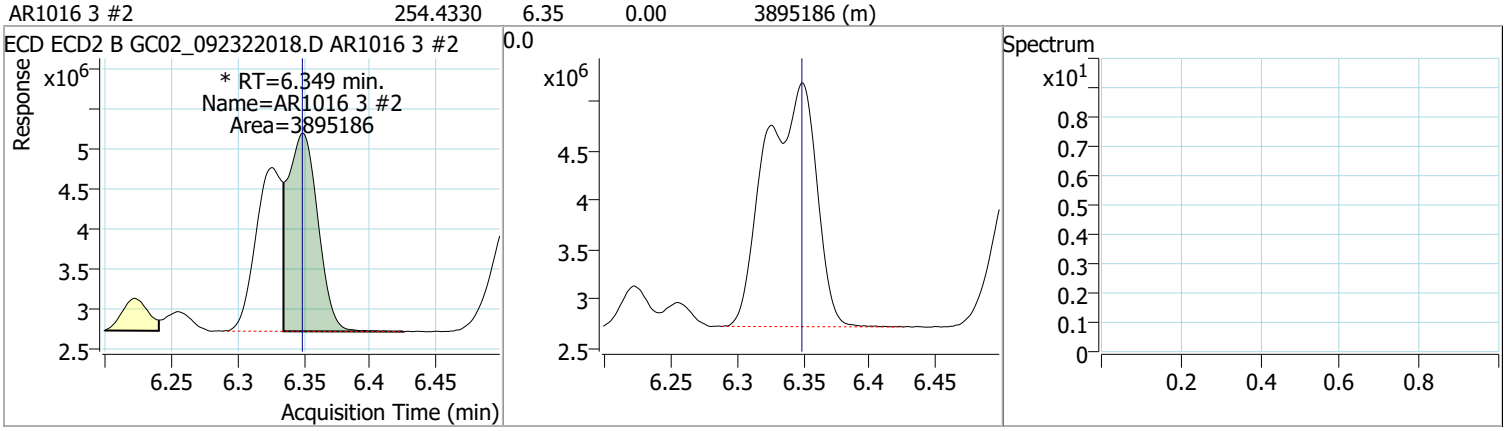
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	225.0851	5.91	0.00	53614083				



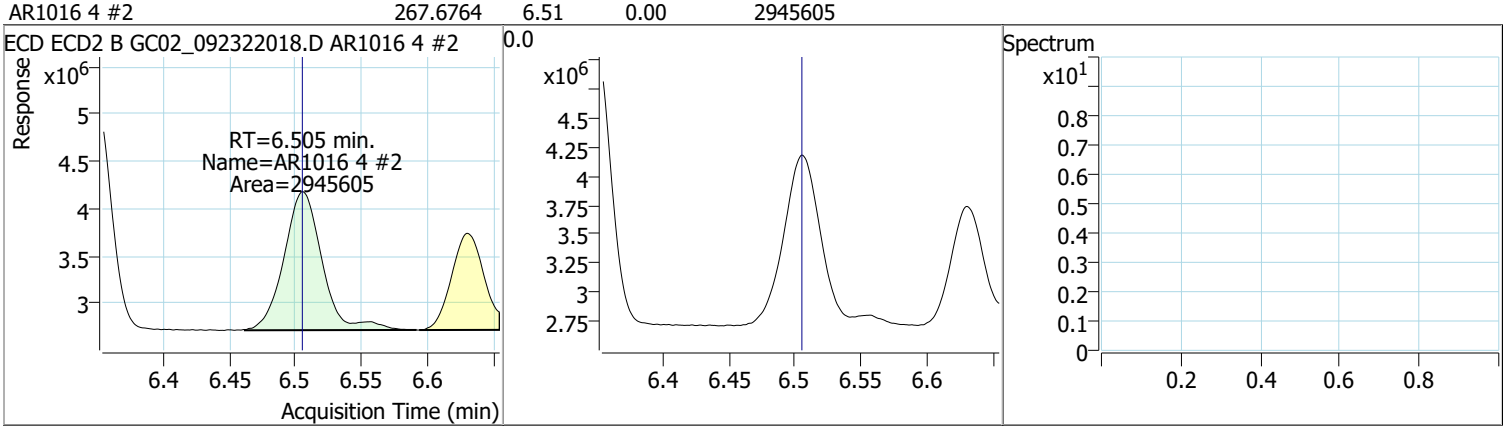
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	224.3700	6.32	0.00	43008169				



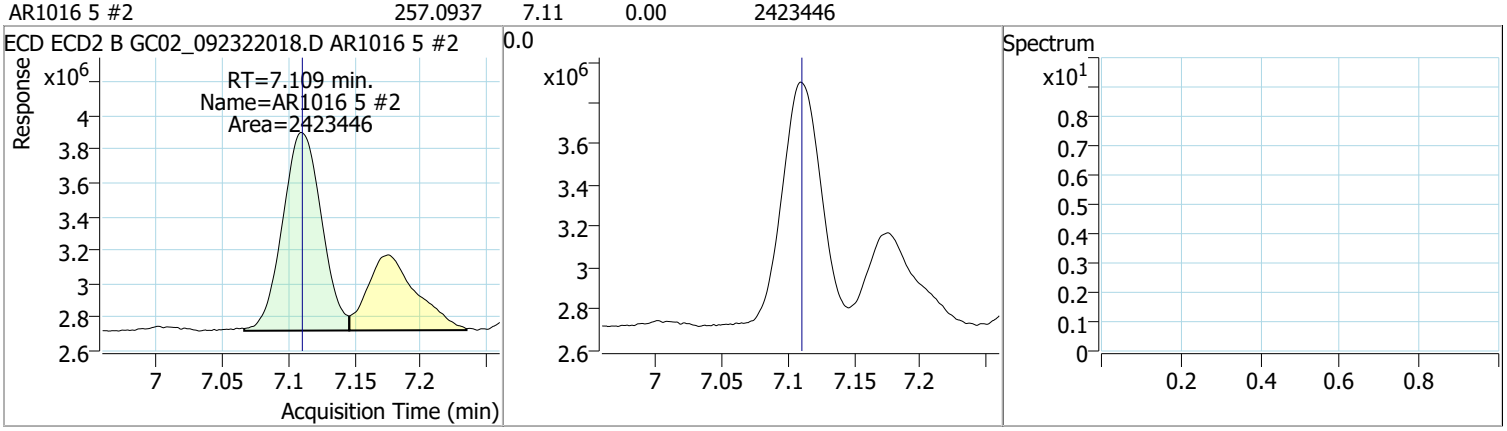
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AR1016 3 #2	254.4330	6.35	0.00	3895186 (m)				



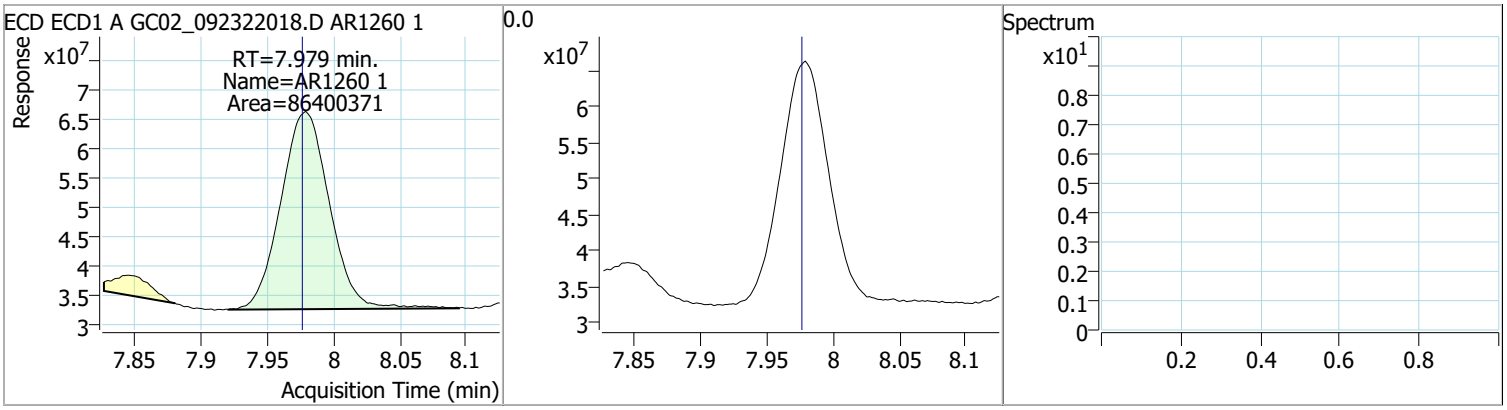
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	267.6764	6.51	0.00	2945605				



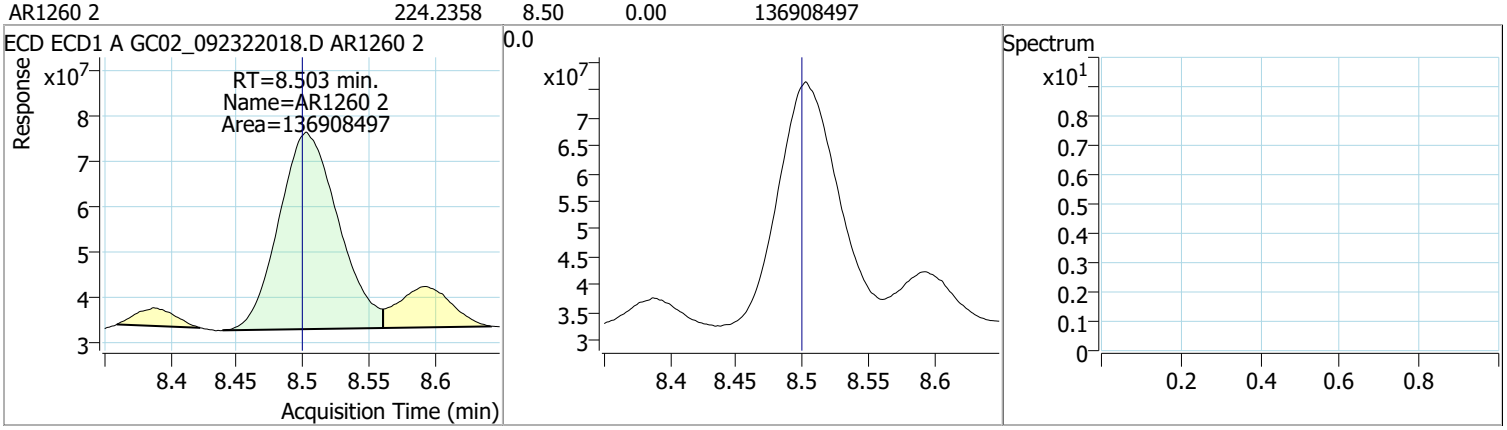
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	257.0937	7.11	0.00	2423446				



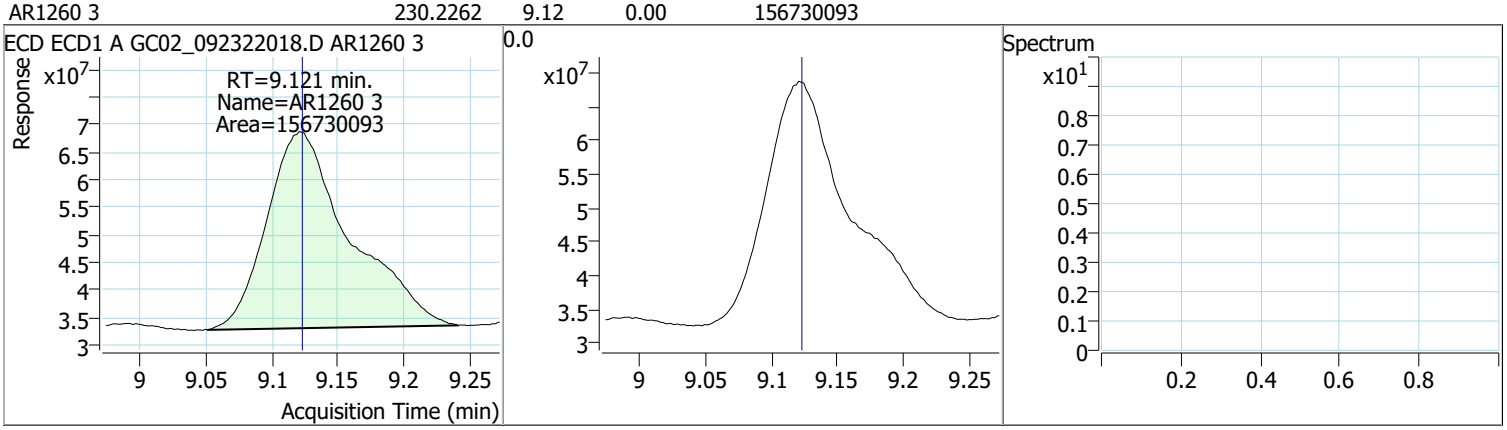
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	229.3225	7.98	0.00	86400371				



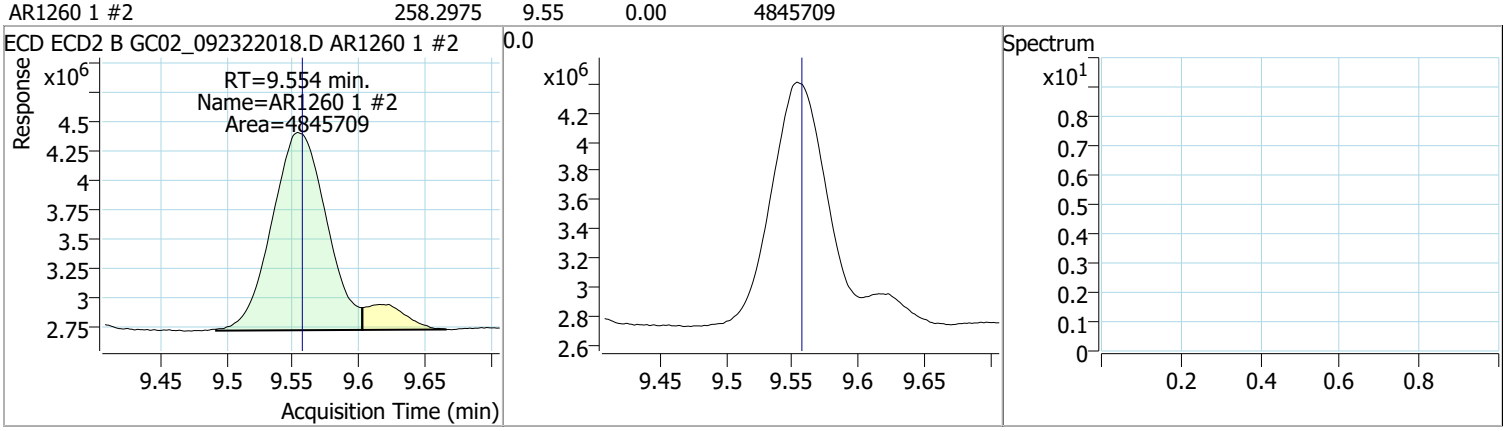
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	224.2358	8.50	0.00	136908497				



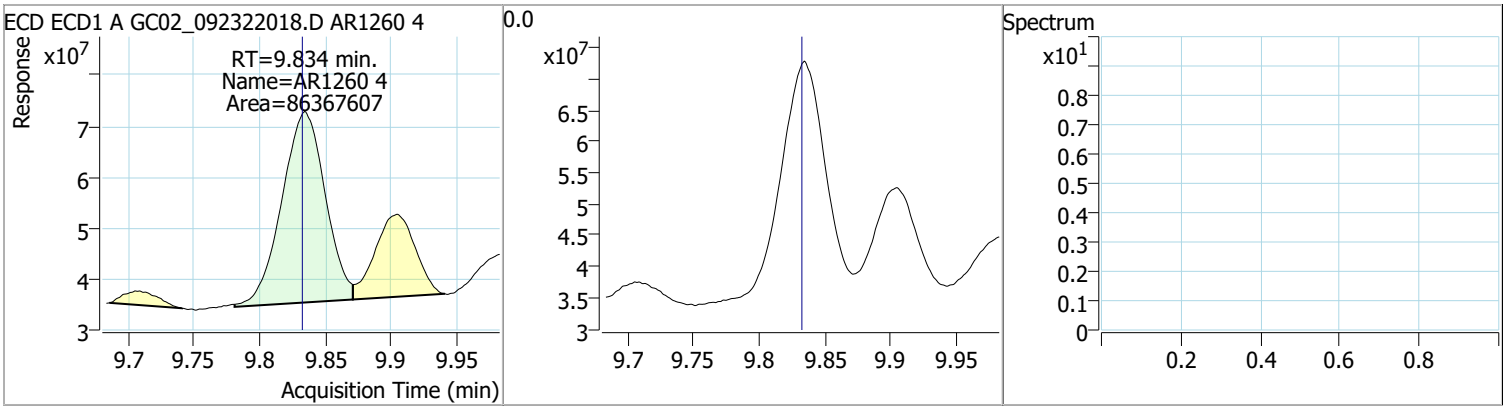
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	230.2262	9.12	0.00	156730093				



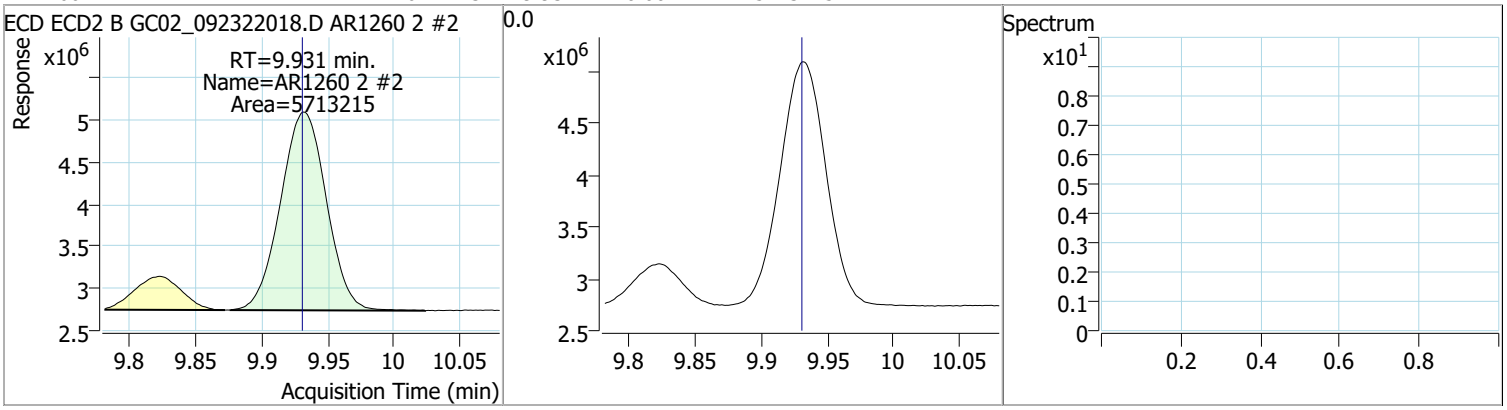
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	258.2975	9.55	0.00	4845709				



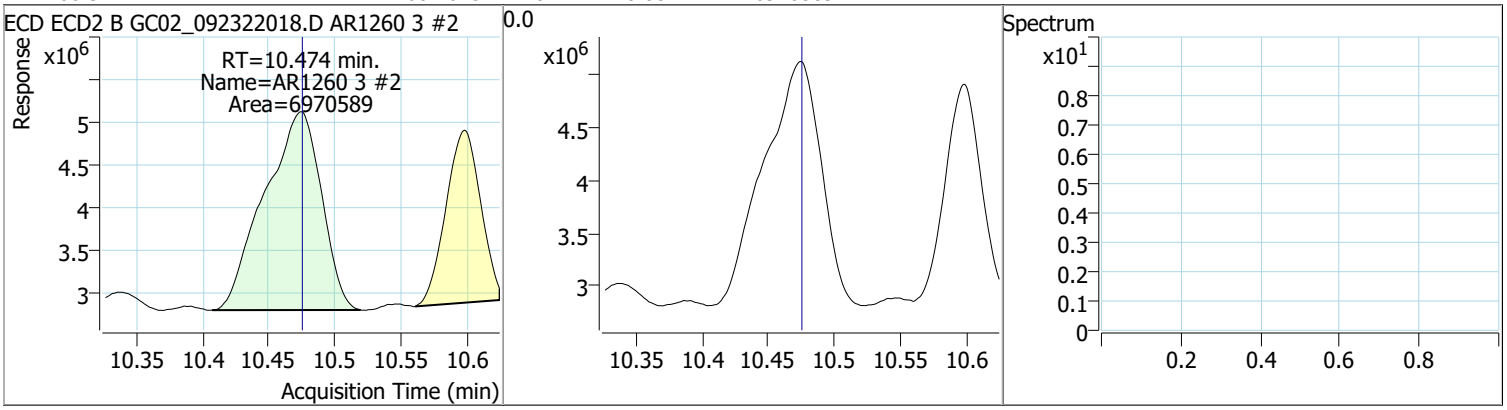
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	226.8669	9.83	0.00	86367607				



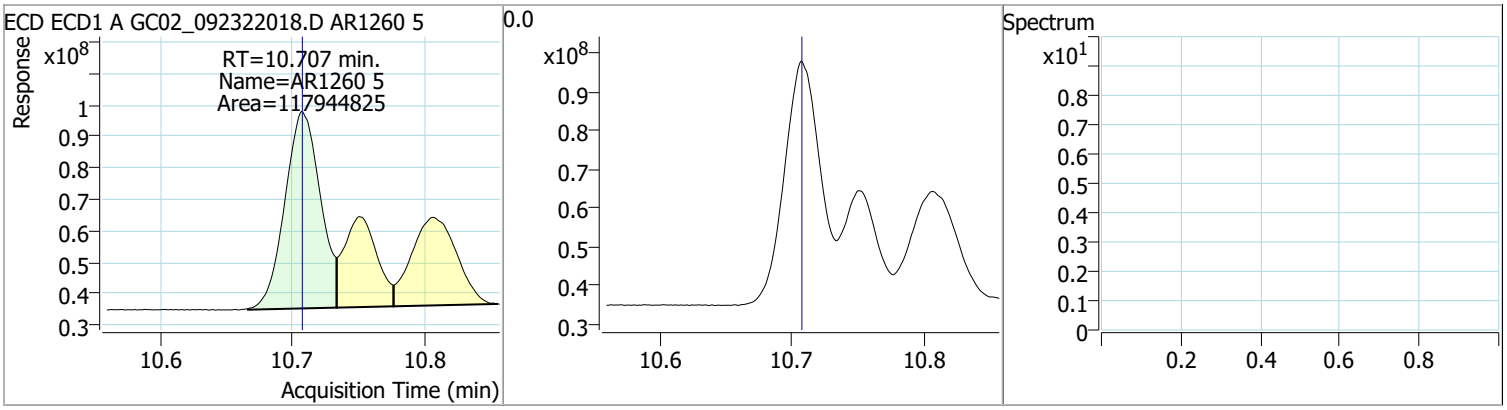
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	261.1473	9.93	0.00	5713215				



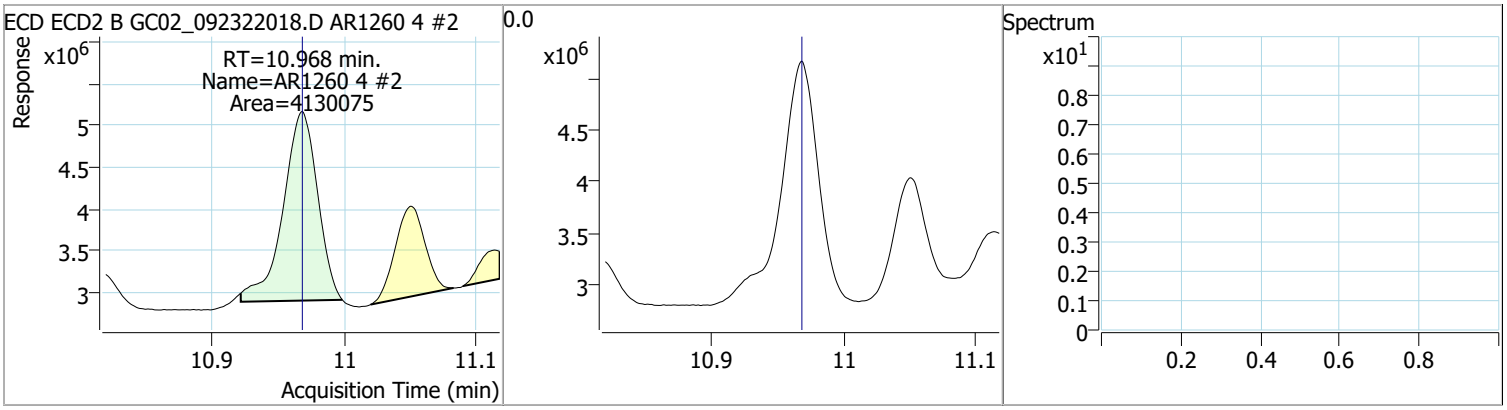
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	260.4675	10.47	0.00	6970589				



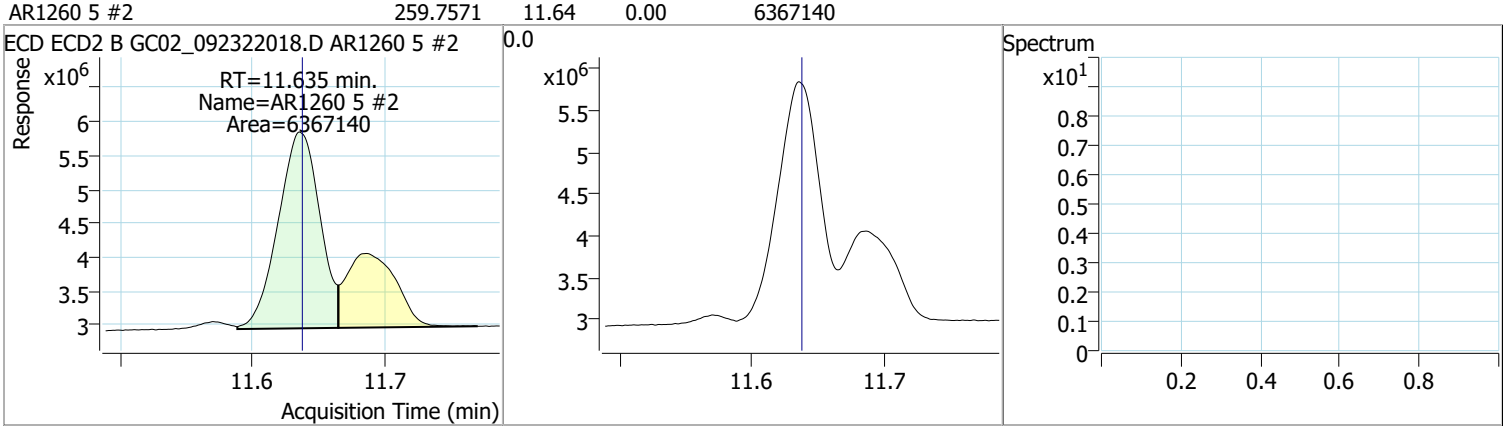
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	225.8363	10.71	0.00	117944825				



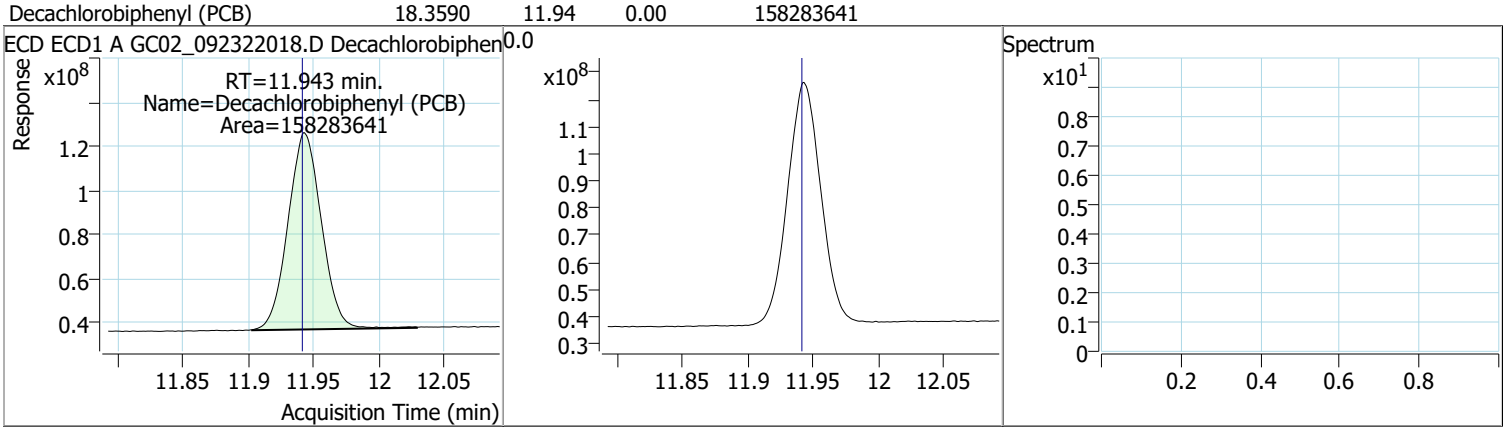
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	252.8385	10.97	0.00	4130075				



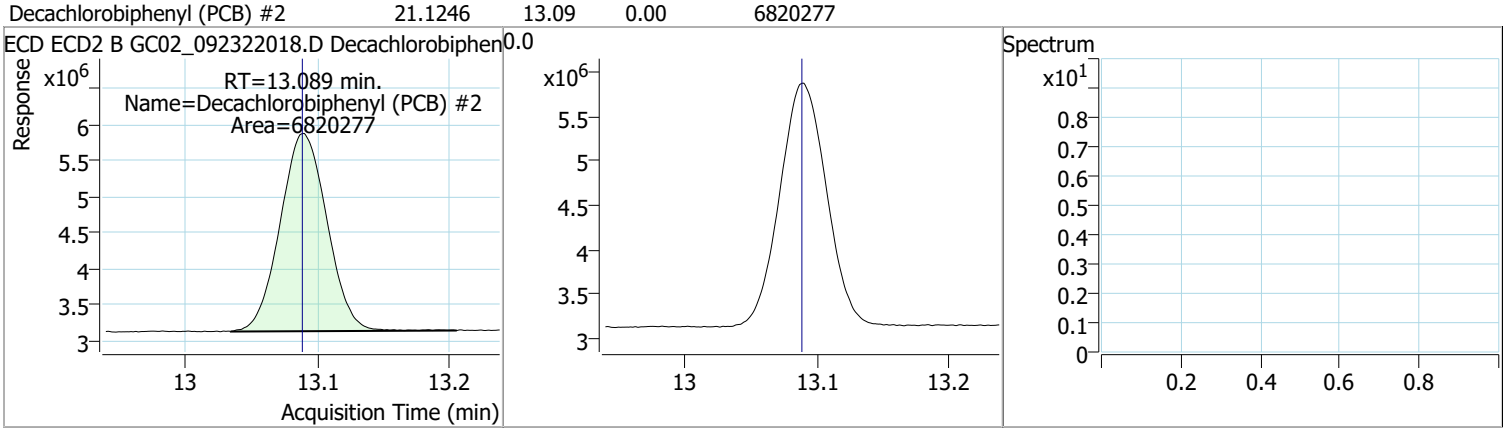
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	259.7571	11.64	0.00	6367140				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.3590	11.94	0.00	158283641				

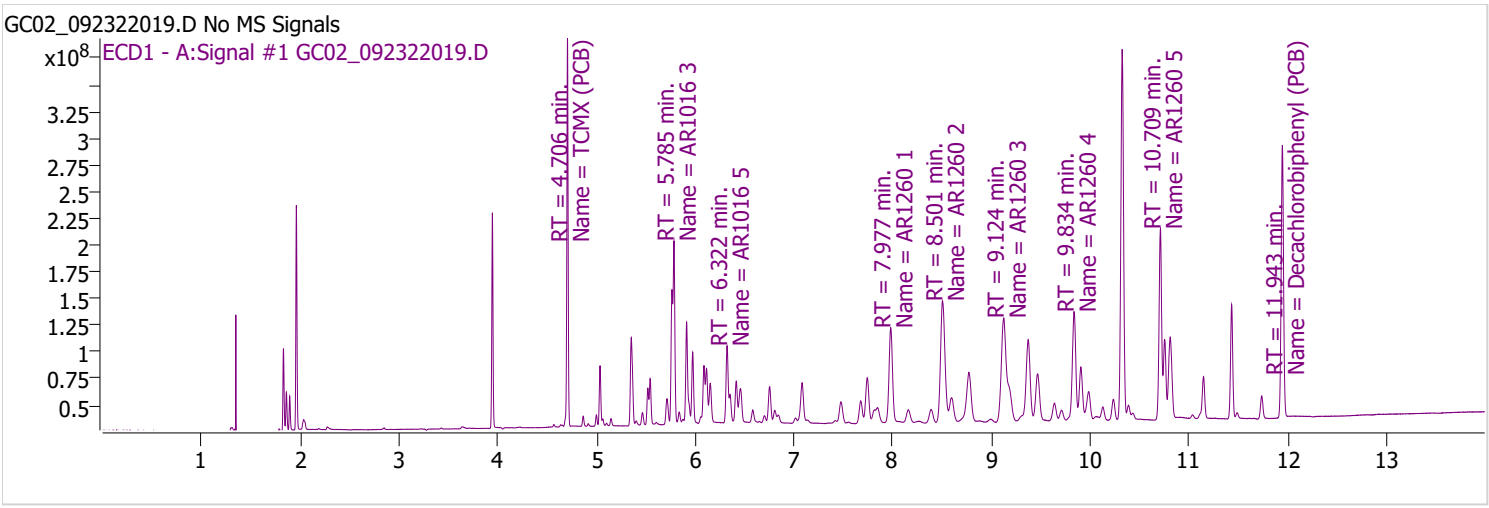


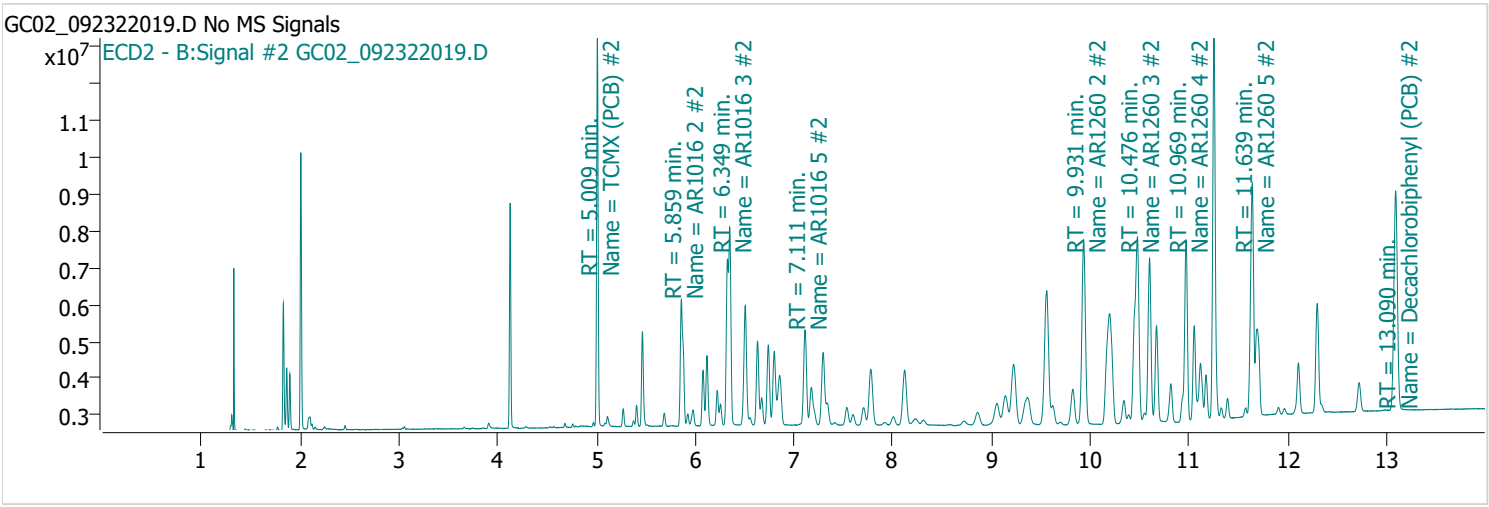
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	21.1246	13.09	0.00	6820277				



Quantitation Results Report (Not Reviewed)

Data File	GC02_092322019.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/23/2022 4:06:19 PM
Sample Name	ICAL, S17267	Instrument	SVOA-GC02
Vial	15	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	PCB 500 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



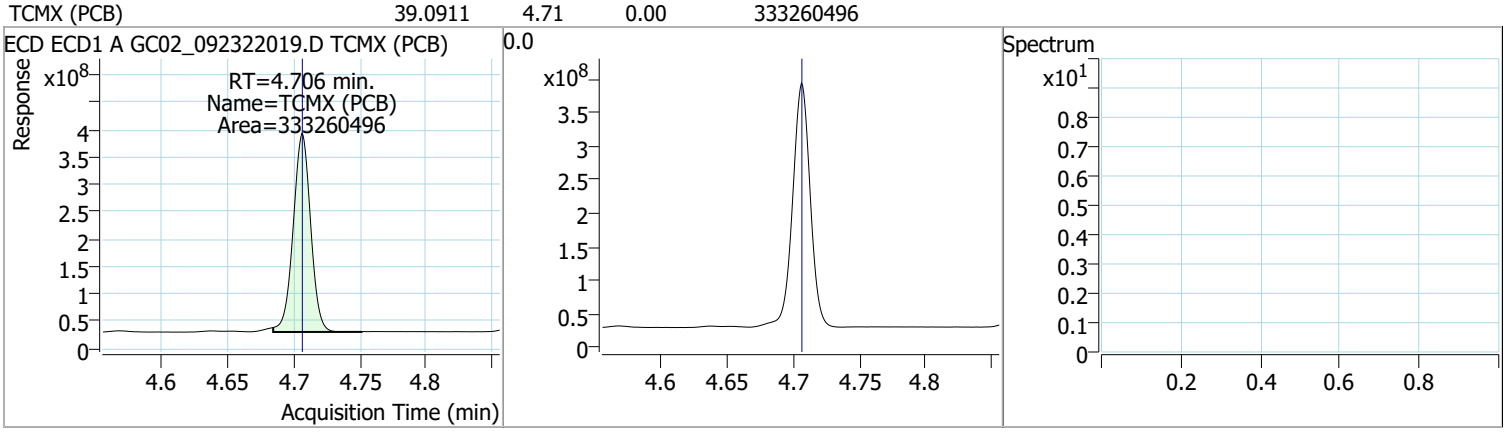


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.947	0.0	175704959.571	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	5706440.387	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	333260496.009	39.0911	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.46%		*	
S TCMX (PCB) #2	5.009	0.0	11482443.949	38.7555	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.78%		*	
S Decachlorobiphenyl (PCB)	11.943	0.0	431266906.287	42.3235	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.62%		*	
S Decachlorobiphenyl (PCB) #2	13.090	0.0	14935833.438	40.5182	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.59%		*	
Target Compounds							QValue

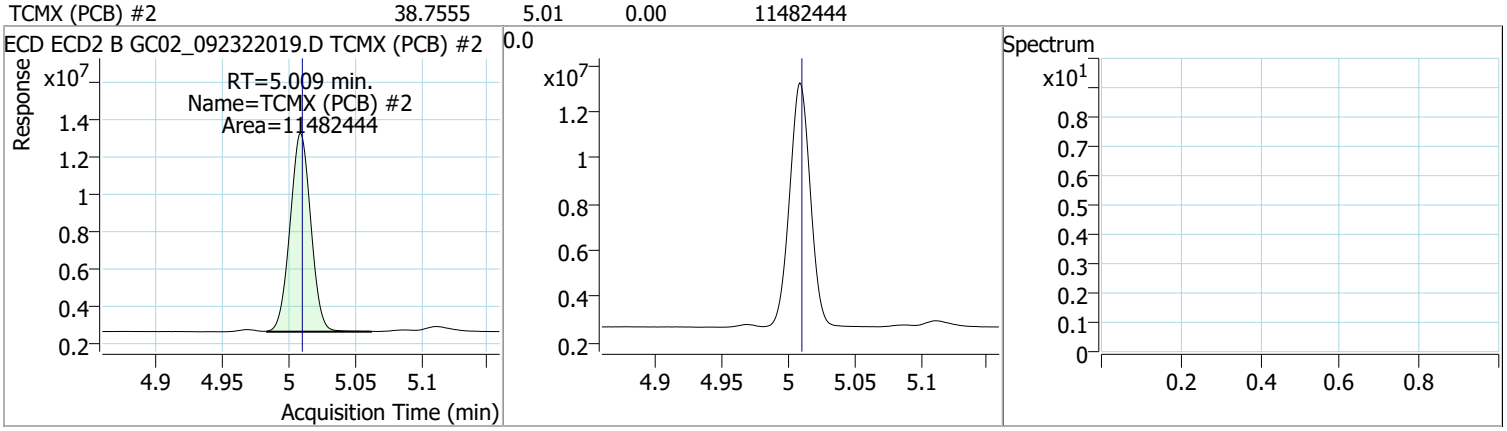
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.036	0.0	60980680.291	476.1630	ng/ml		100
T AR1016 2	5.352	0.0	127505941.509	461.8114	ng/ml		100
T AR1016 1 #2	5.465	0.0	3420358.468	501.3693	ng/ml		100
T AR1016 3	5.785	0.0	208512035.574	489.3680	ng/ml		100
T AR1016 2 #2	5.859	0.0	7057270.736	492.1738	ng/ml		100
T AR1016 4	5.912	0.0	137383312.353	488.0062	ng/ml		100
T AR1016 5	6.322	0.0	108990886.057	481.0912	ng/ml		100
T AR1016 3 #2	6.349	0.0	8598783.253	491.9459	ng/ml	m	100
T AR1016 4 #2	6.505	0.0	6227042.320	495.6240	ng/ml		100
T AR1016 5 #2	7.111	0.0	5377422.406	499.6516	ng/ml		100
T AR1260 1	7.977	0.0	215144940.577	483.1540	ng/ml		100
T AR1260 2	8.501	0.0	355115365.035	492.1159	ng/ml		100
T AR1260 3	9.124	0.0	361906596.226	449.8029	ng/ml		100
T AR1260 1 #2	9.558	0.0	10600190.230	494.8932	ng/ml		100
T AR1260 4	9.834	0.0	230803066.866	512.9622	ng/ml		100
T AR1260 2 #2	9.931	0.0	12313804.038	492.9834	ng/ml		100
T AR1260 3 #2	10.476	0.0	15197513.367	497.3838	ng/ml		100
T AR1260 5	10.709	0.0	321403110.780	520.7011	ng/ml		100
T AR1260 4 #2	10.969	0.0	9399296.582	503.9828	ng/ml		100
T AR1260 5 #2	11.639	0.0	13958678.751	498.7723	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

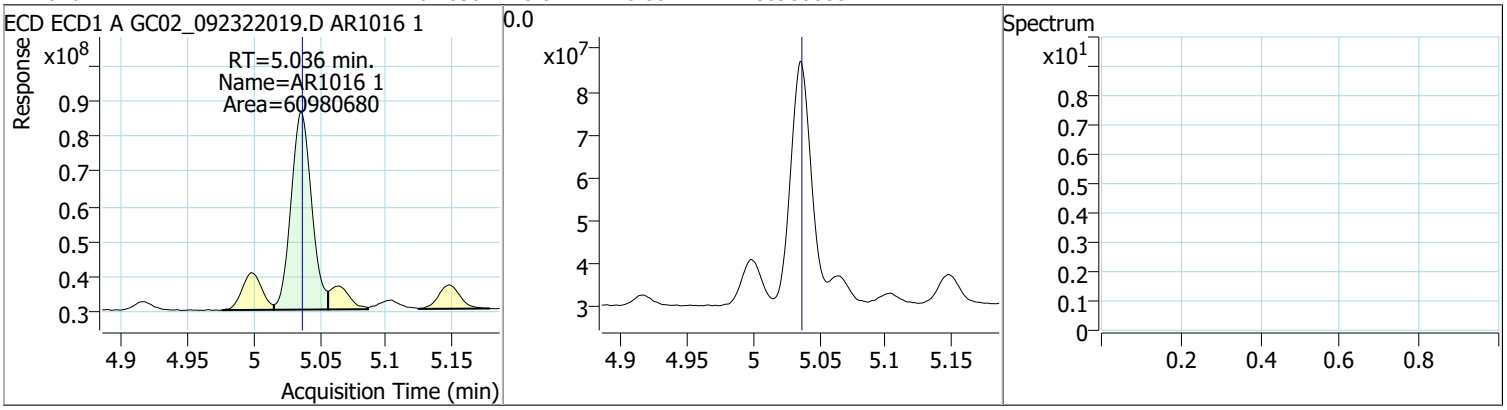
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.0911	4.71	0.00	333260496				



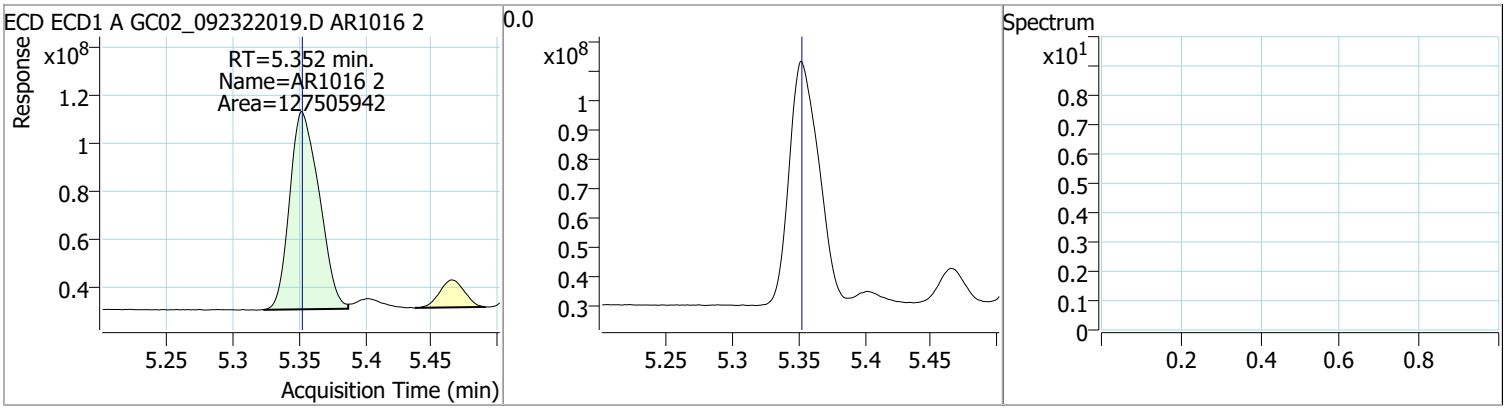
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.7555	5.01	0.00	11482444				



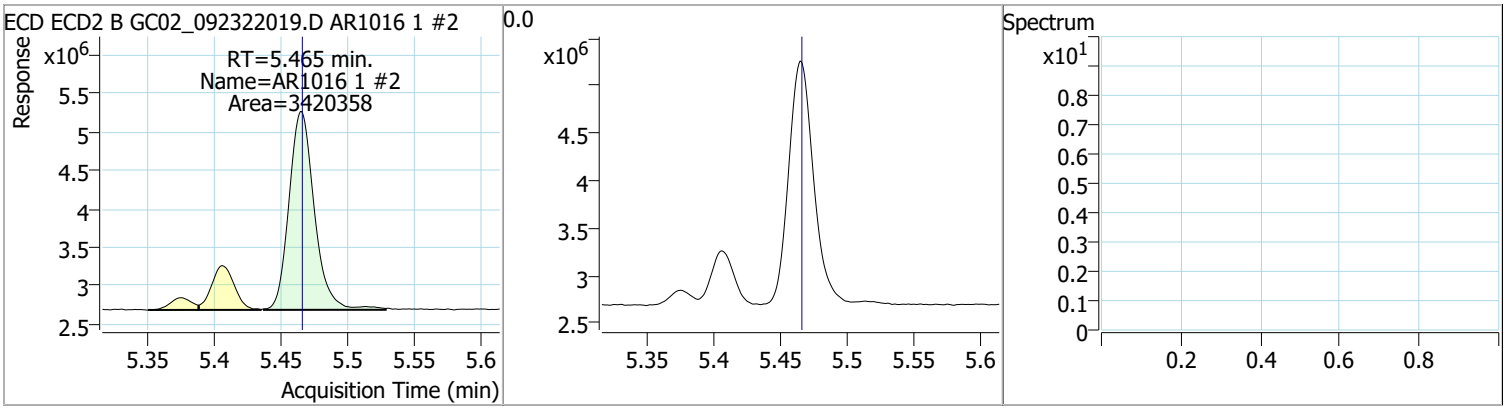
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	476.1630	5.04	0.00	60980680				



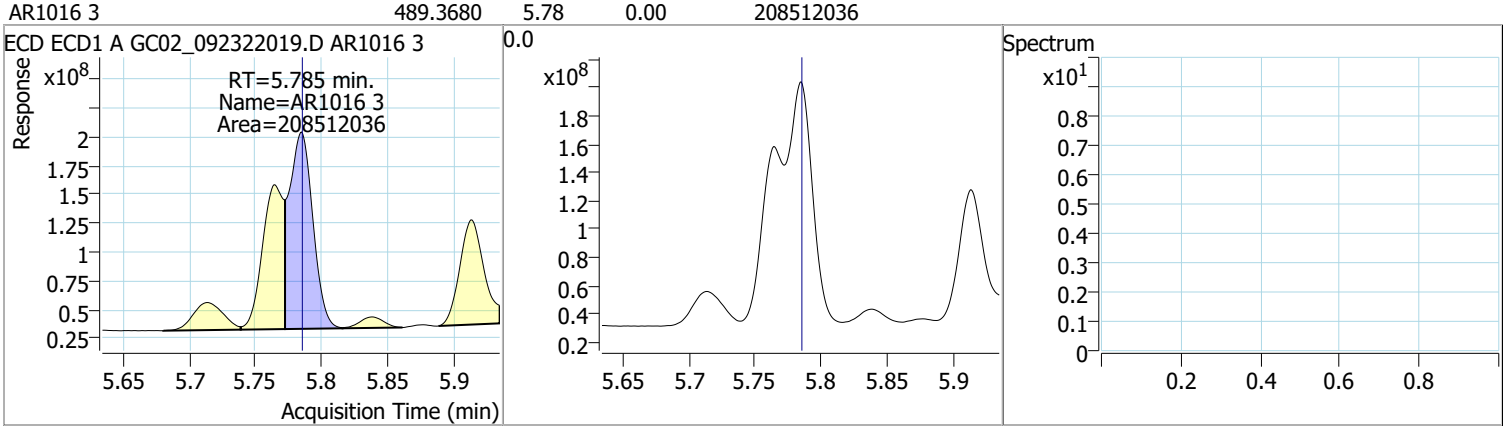
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	461.8114	5.35	0.00	127505942				



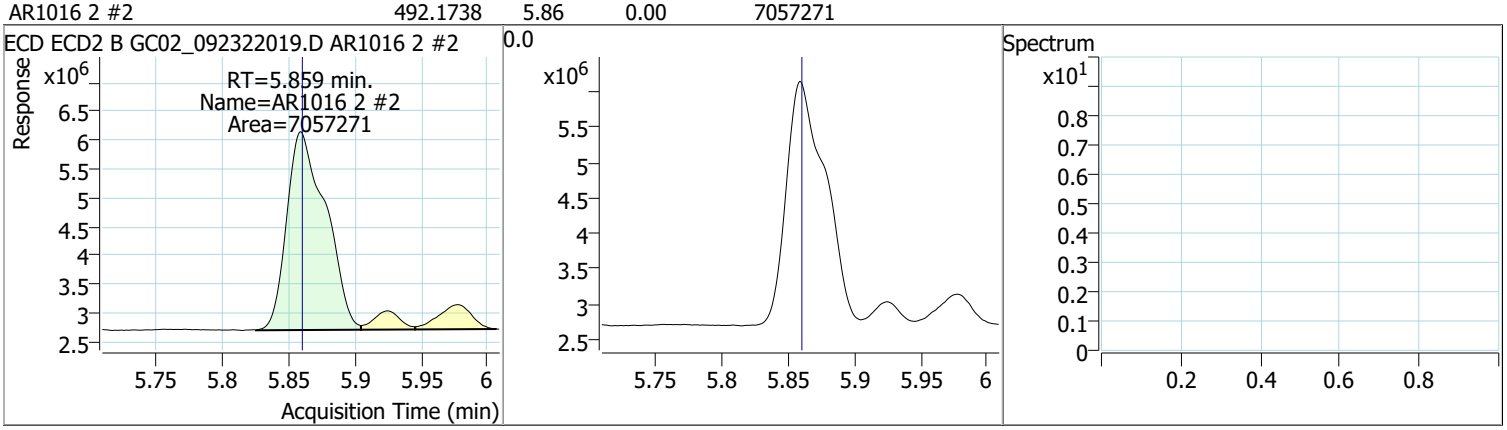
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	501.3693	5.46	0.00	3420358				



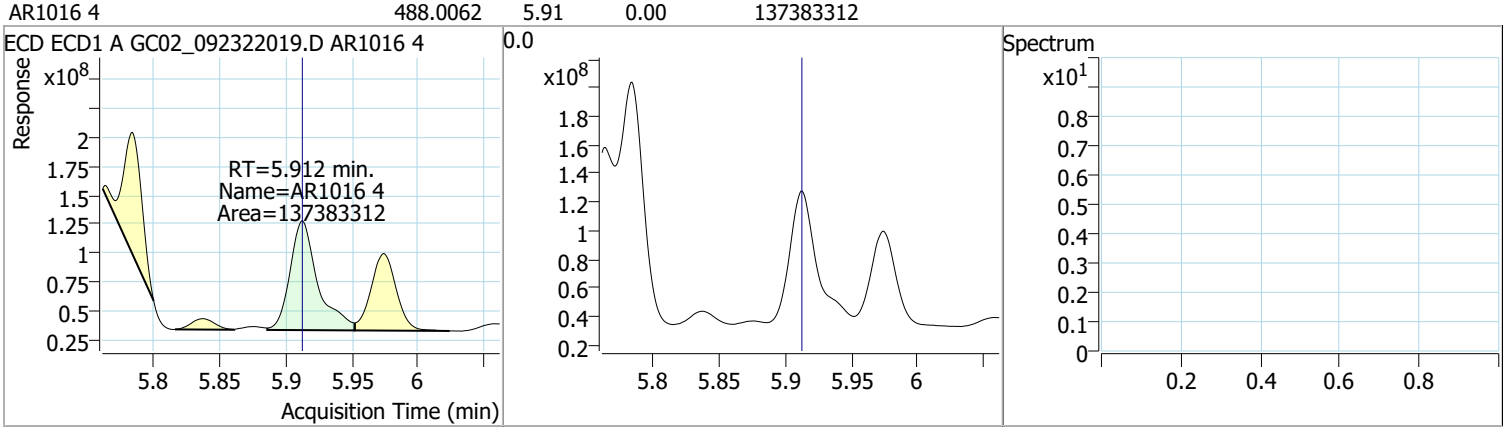
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	489.3680	5.78	0.00	208512036				



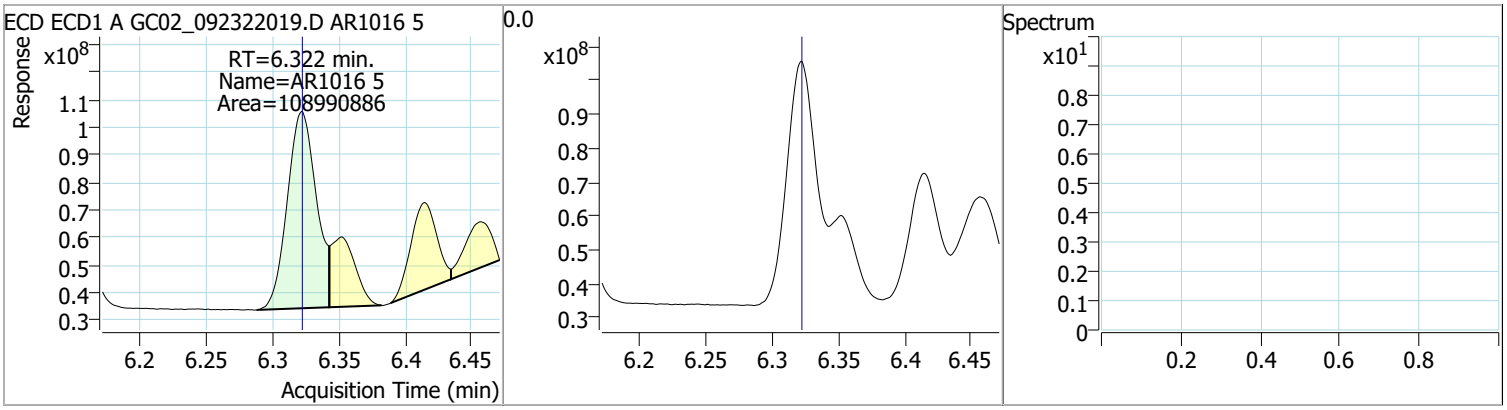
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	492.1738	5.86	0.00	7057271				



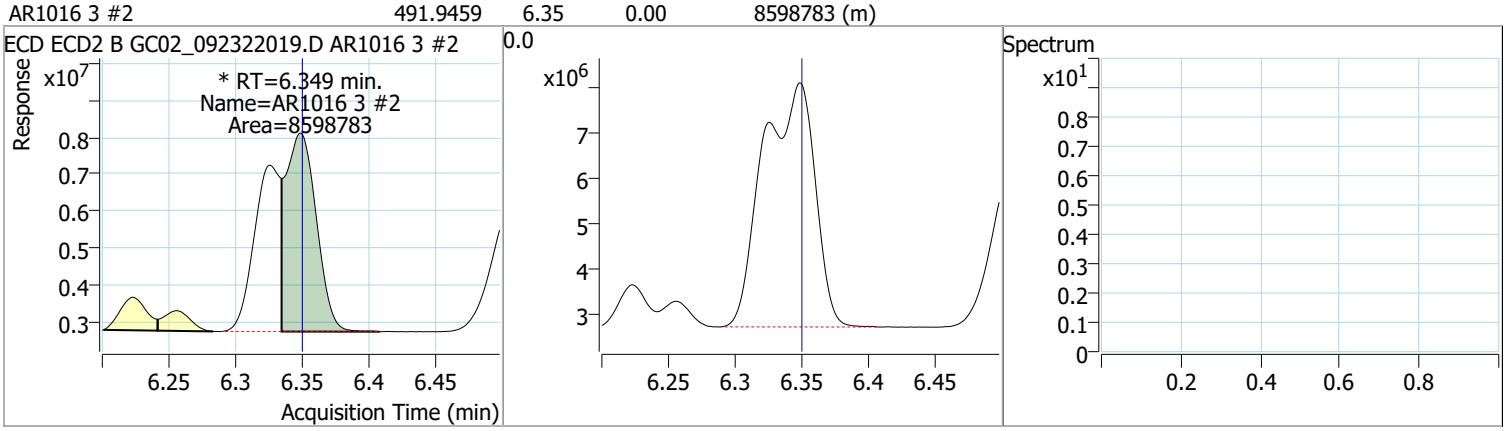
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	488.0062	5.91	0.00	137383312				



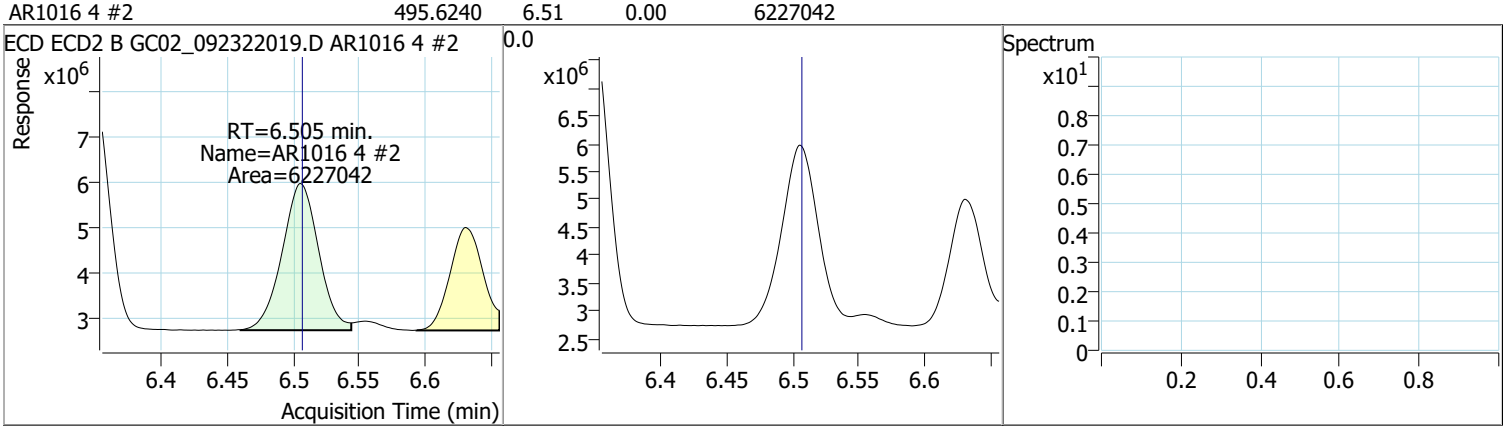
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	481.0912	6.32	0.00	108990886				



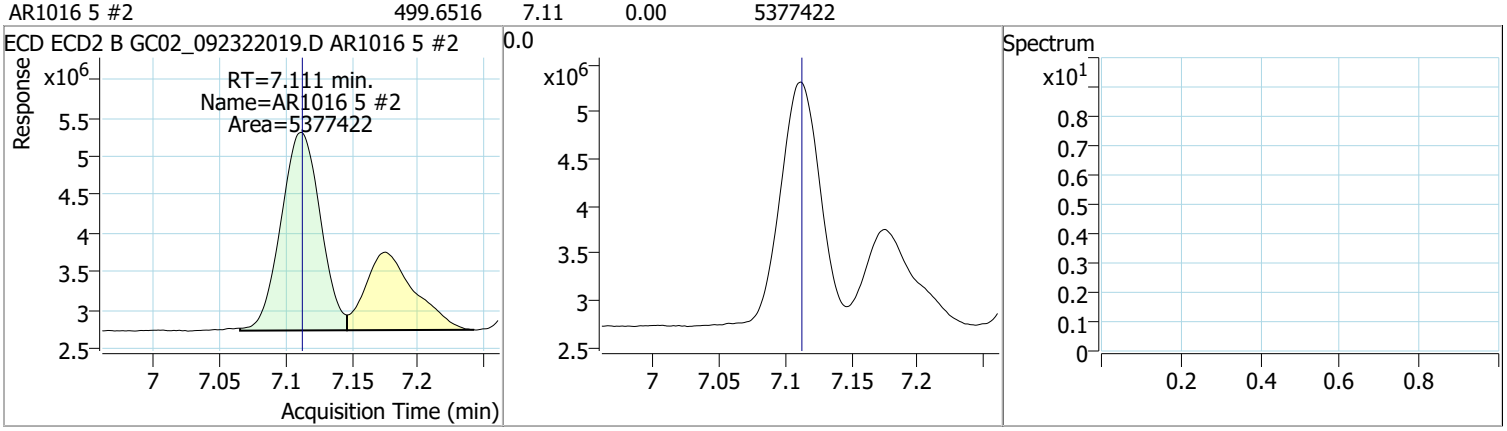
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AR1016 3 #2	491.9459	6.35	0.00	8598783 (m)				



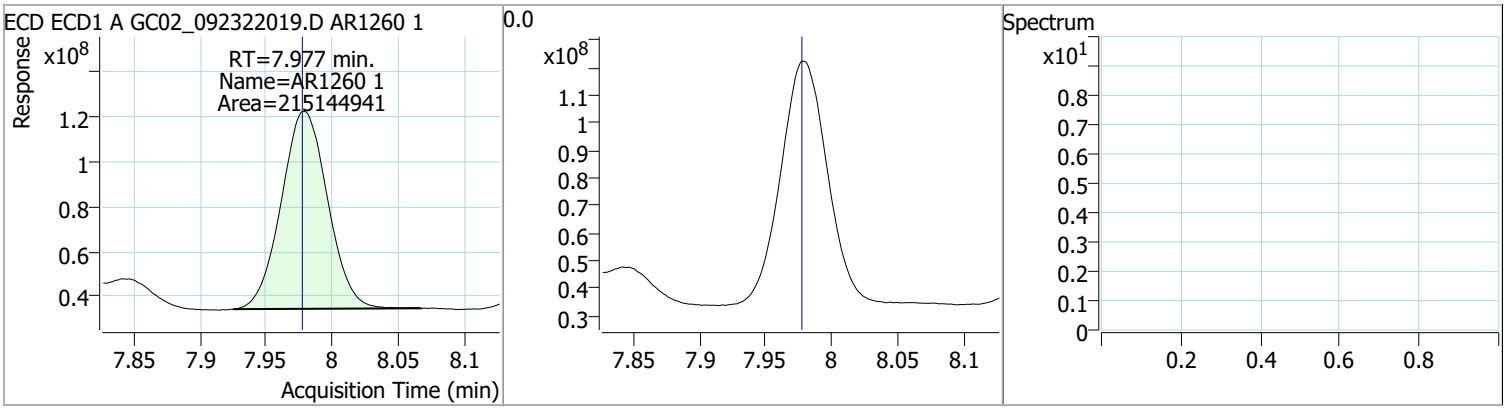
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	495.6240	6.51	0.00	6227042				



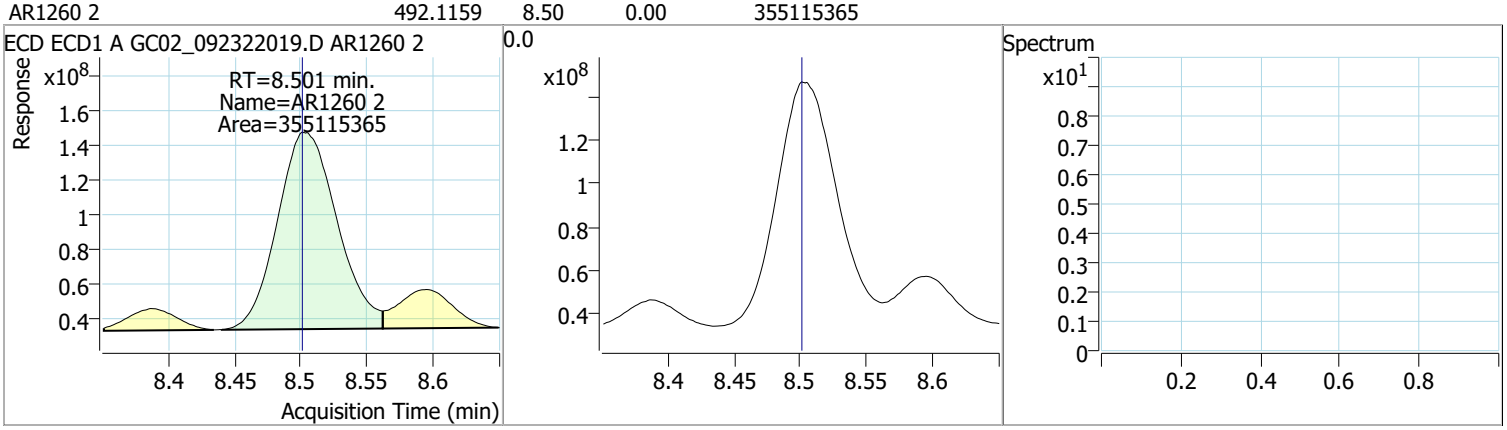
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	499.6516	7.11	0.00	5377422				



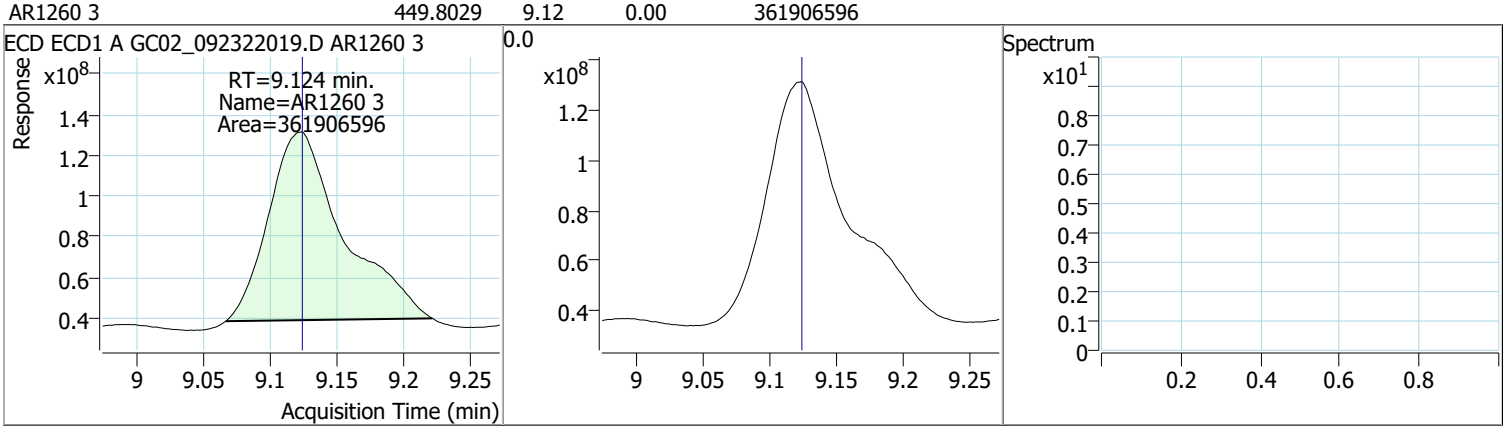
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	483.1540	7.98	0.00	215144941				



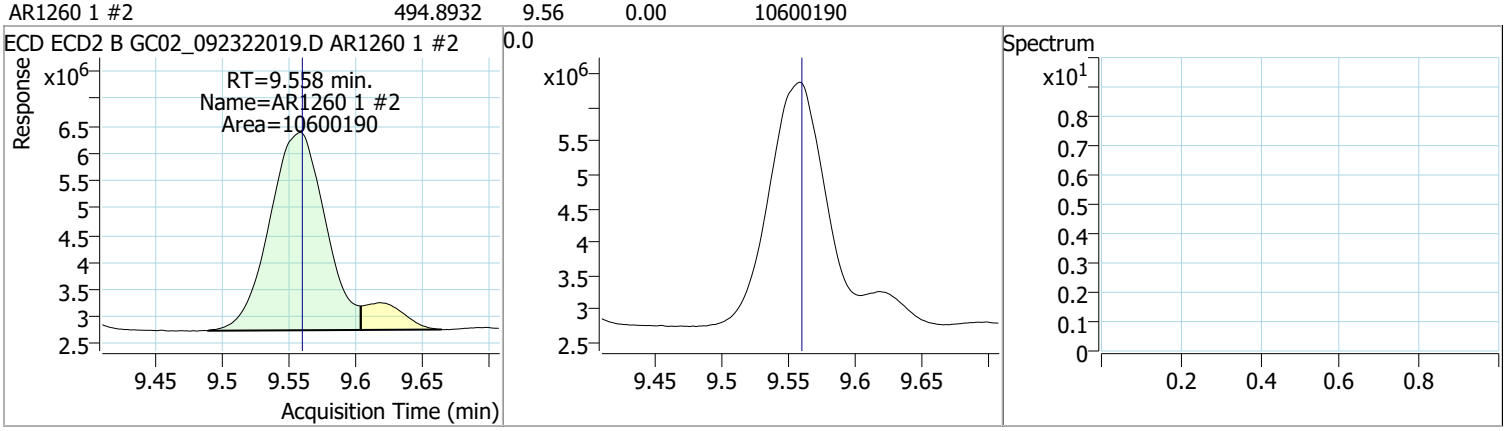
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	492.1159	8.50	0.00	355115365				



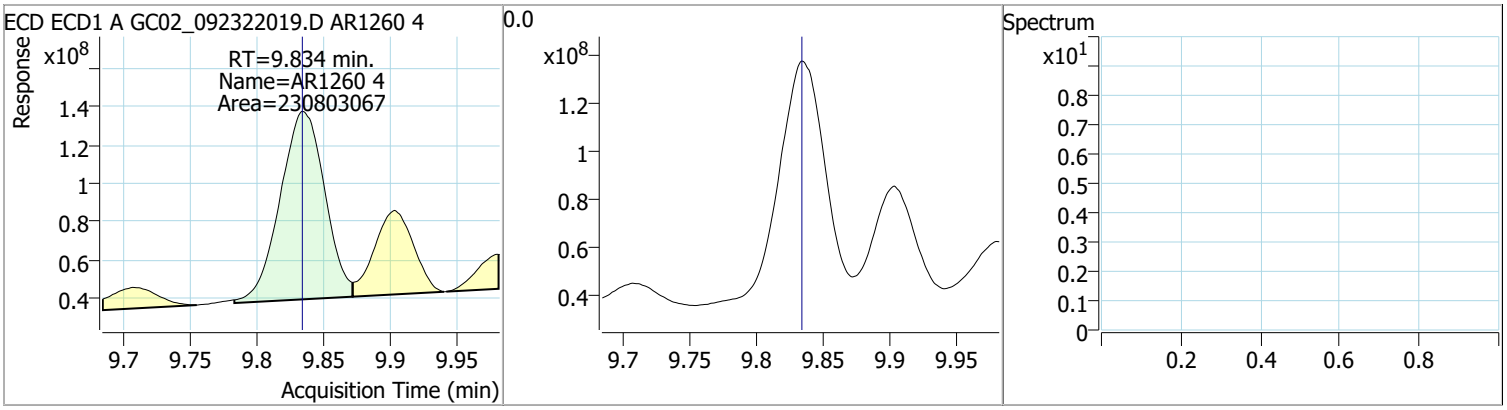
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	449.8029	9.12	0.00	361906596				



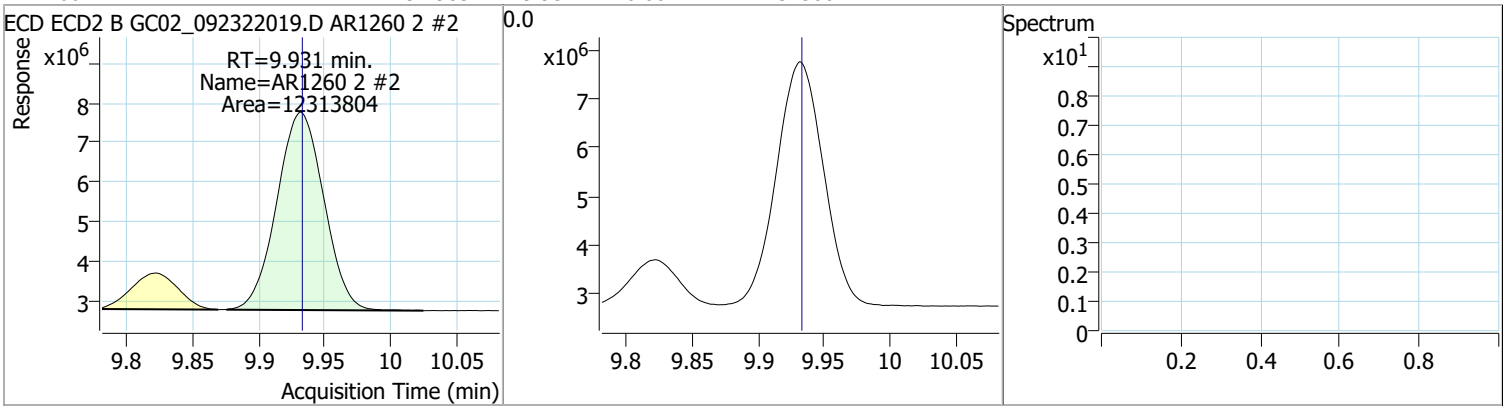
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	494.8932	9.56	0.00	10600190				



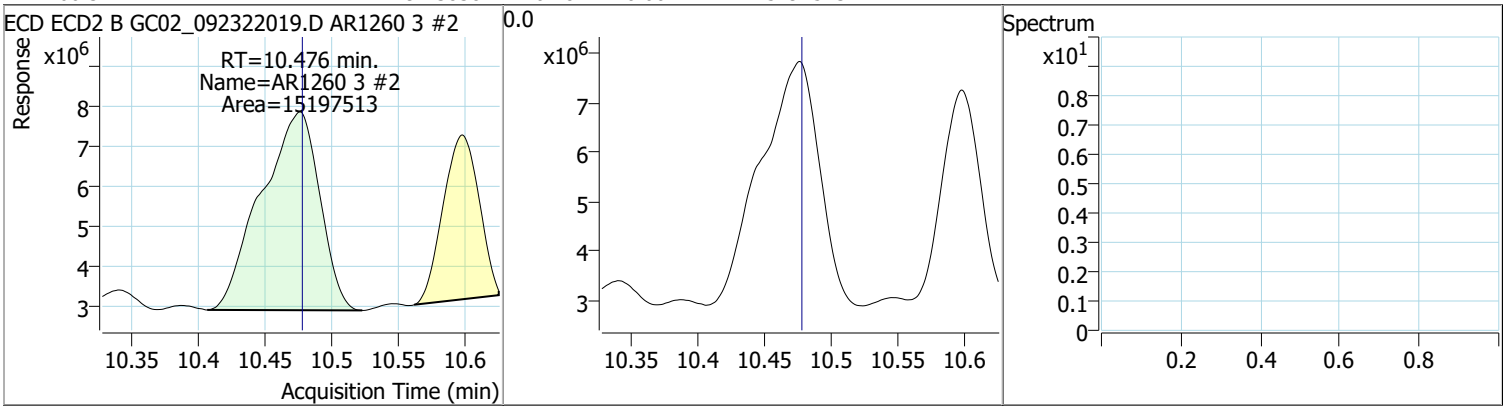
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	512.9622	9.83	0.00	230803067				



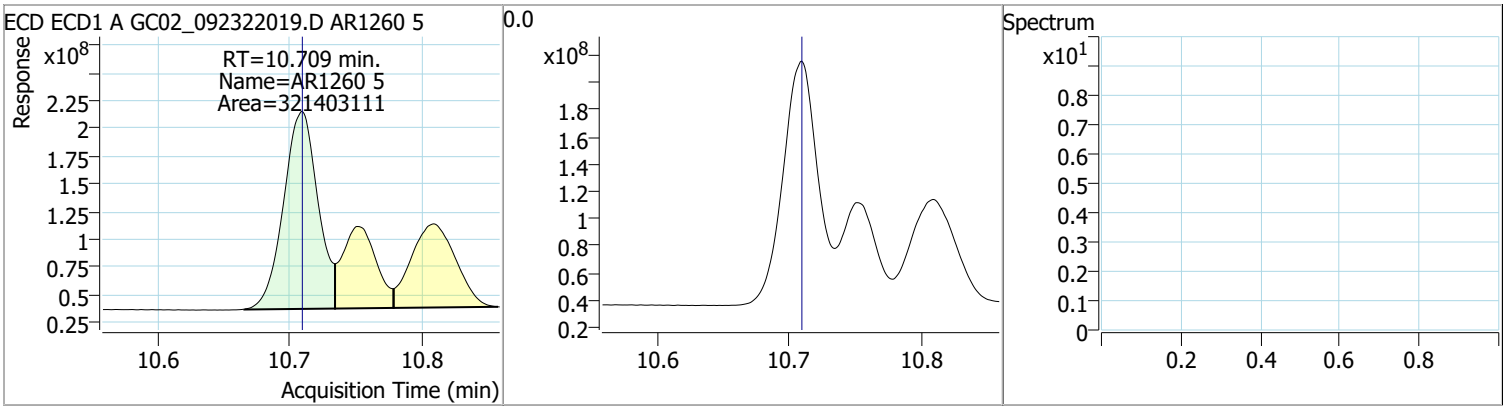
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	492.9834	9.93	0.00	12313804				



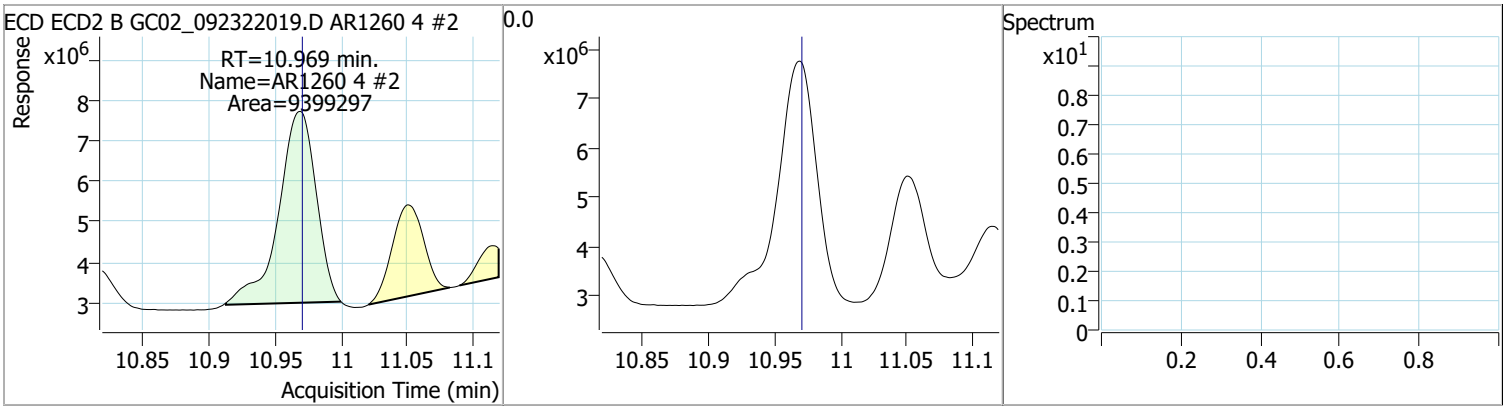
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	497.3838	10.48	0.00	15197513				



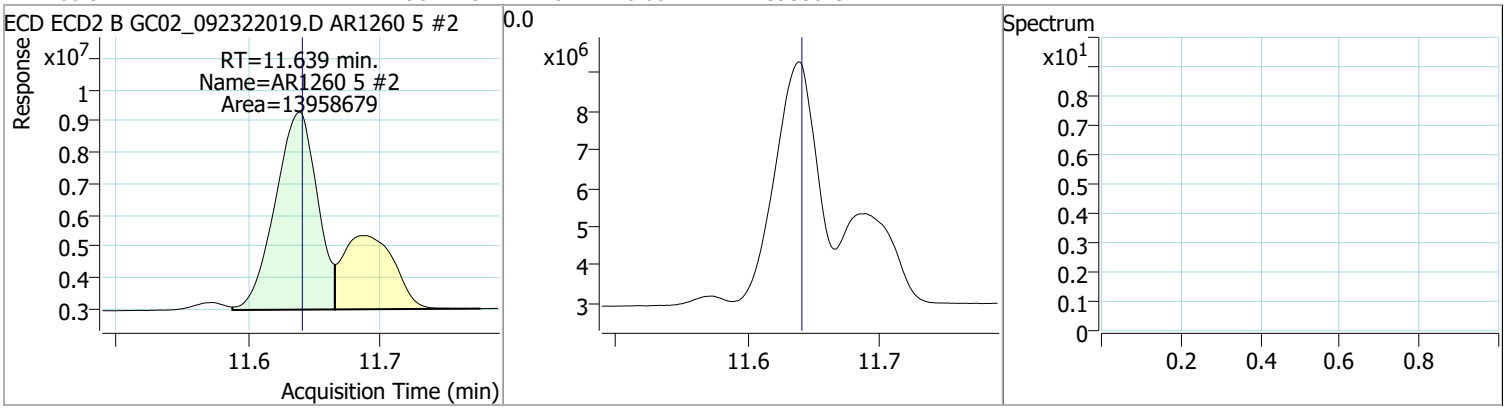
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	520.7011	10.71	0.00	321403111				



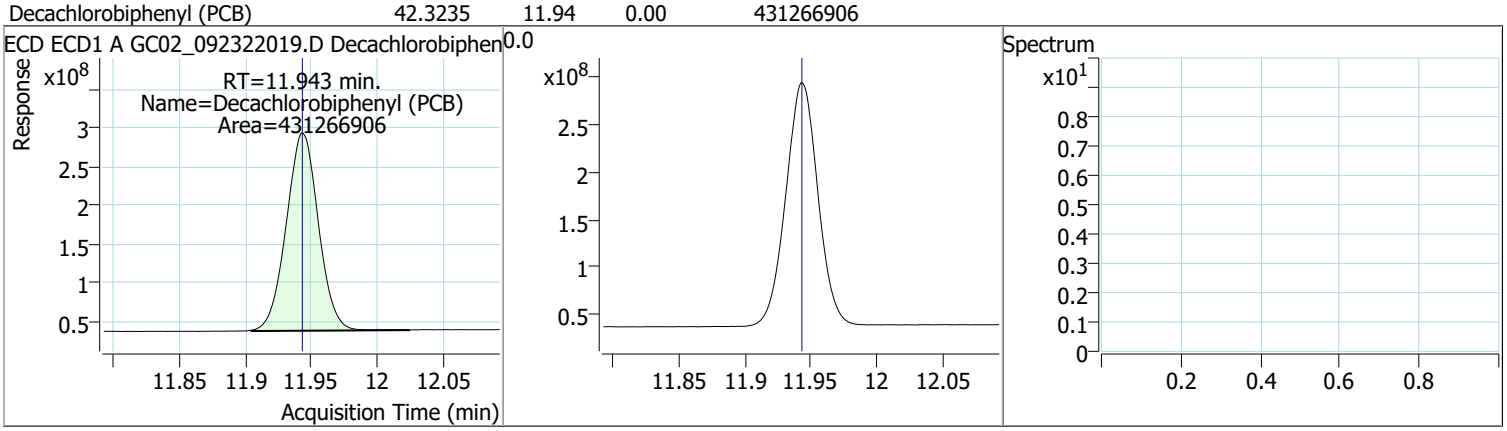
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	503.9828	10.97	0.00	9399297				



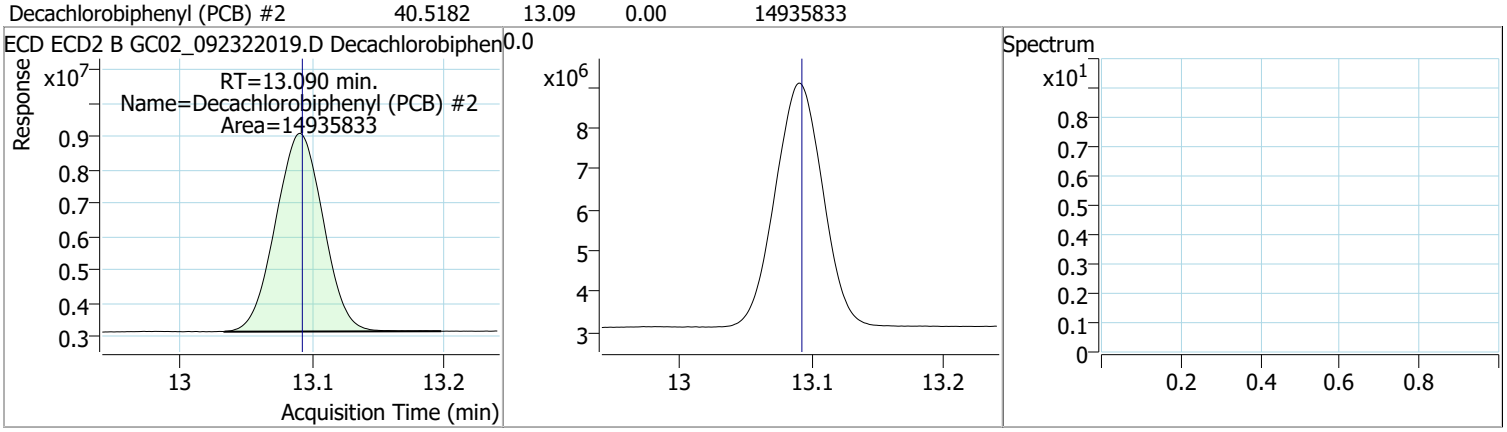
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	498.7723	11.64	0.00	13958679				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.3235	11.94	0.00	431266906				

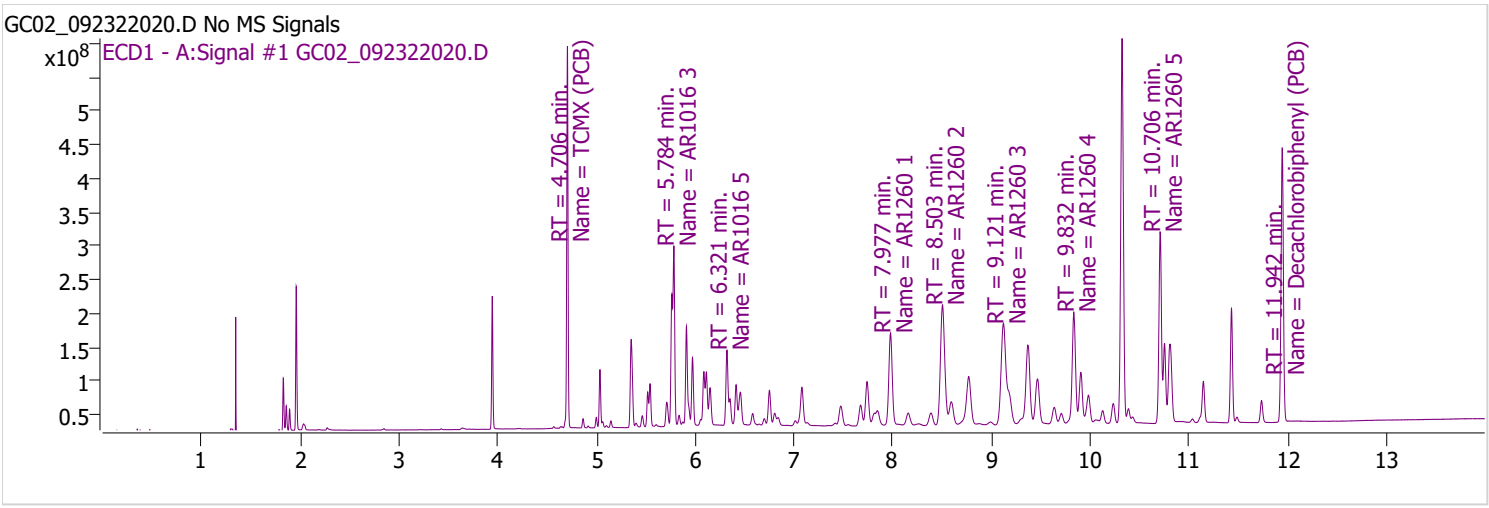


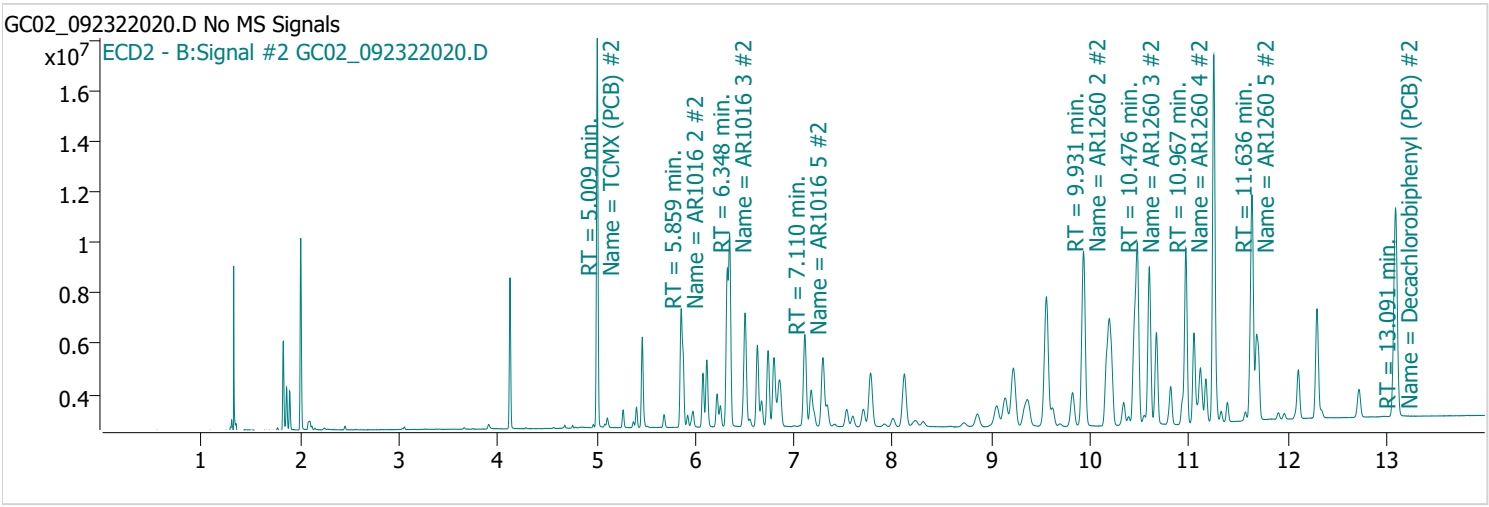
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.5182	13.09	0.00	14935833				



Quantitation Results Report (Not Reviewed)

Data File	GC02_092322020.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/23/2022 4:24:10 PM
Sample Name	ICAL, S17268	Instrument	SVOA-GC02
Vial	16	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	PCB 750 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



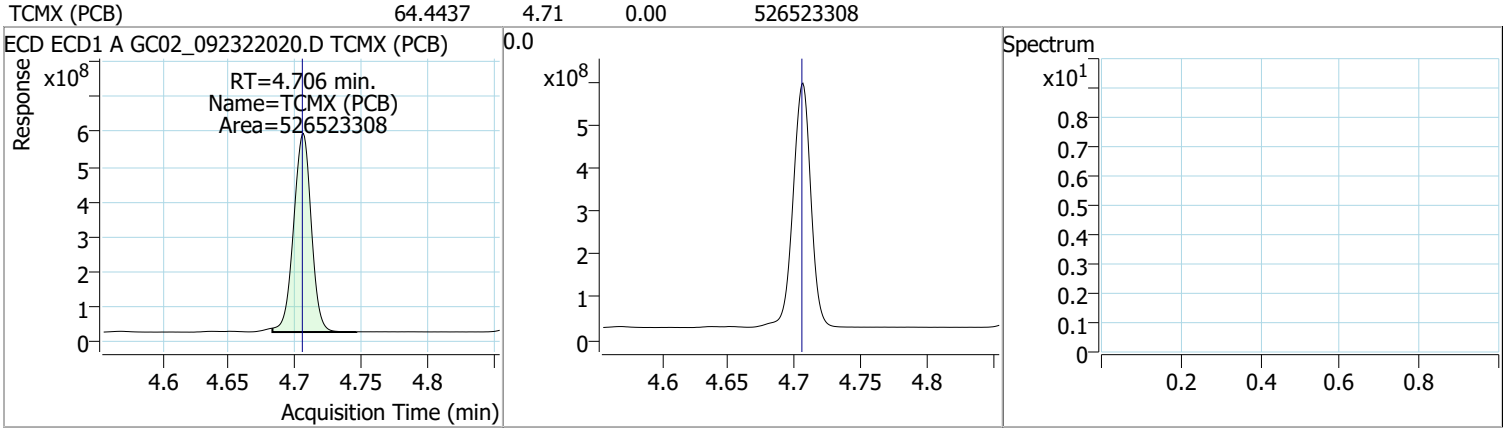


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	168389333.404	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	5542913.182	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	526523308.115	64.4437	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 322.22%		*	
S TCMX (PCB) #2	5.009	0.0	16504244.826	57.3484	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 286.74%		*	
S Decachlorobiphenyl (PCB)	11.942	0.0	679058438.036	69.5364	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 347.68%		*	
S Decachlorobiphenyl (PCB) #2	13.091	0.0	20903781.726	58.3812	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 291.91%		*	
Target Compounds							QValue

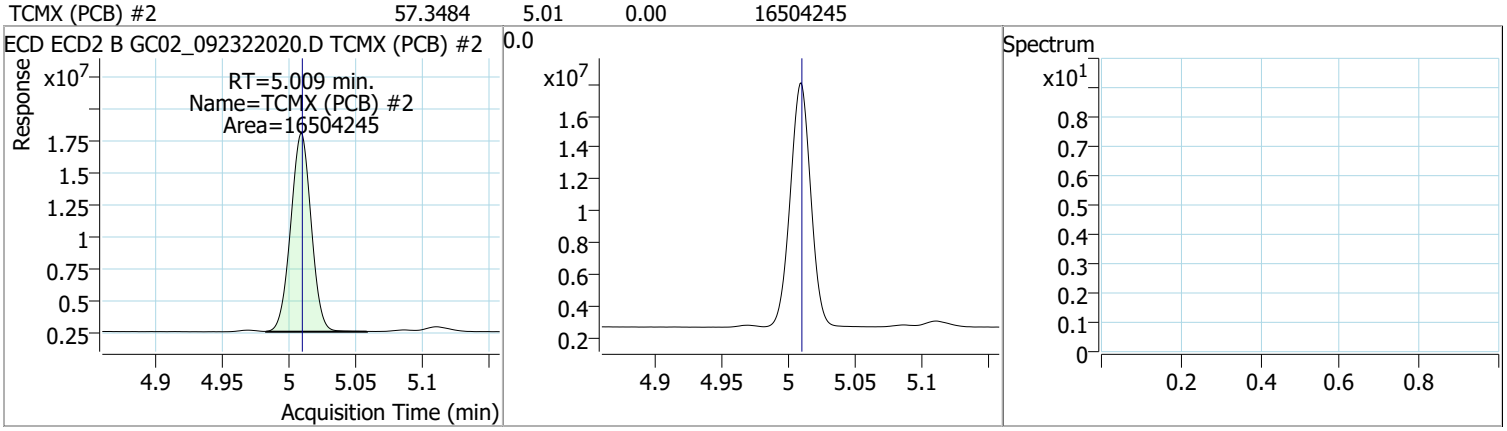
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.036	0.0	90036328.112	733.5852	ng/ml		100
T AR1016 2	5.351	0.0	198372499.061	749.6959	ng/ml		100
T AR1016 1 #2	5.465	0.0	4688767.796	707.5743	ng/ml		100
T AR1016 3	5.784	0.0	331367597.482	811.4915	ng/ml	m	100
T AR1016 2 #2	5.859	0.0	9763139.216	700.9683	ng/ml		100
T AR1016 4	5.911	0.0	208025997.801	771.0426	ng/ml		100
T AR1016 5	6.321	0.0	165647925.884	762.9440	ng/ml		100
T AR1016 3 #2	6.348	0.0	12130783.730	714.4904	ng/ml	m	100
T AR1016 4 #2	6.505	0.0	8718605.379	714.4054	ng/ml		100
T AR1016 5 #2	7.110	0.0	7466723.851	714.2503	ng/ml		100
T AR1260 1	7.977	0.0	326008011.192	763.9275	ng/ml		100
T AR1260 2	8.503	0.0	542141308.361	783.9346	ng/ml		100
T AR1260 3	9.121	0.0	547648440.695	710.2268	ng/ml		100
T AR1260 1 #2	9.556	0.0	14691460.850	706.1388	ng/ml	m	100
T AR1260 4	9.832	0.0	362495479.677	840.6512	ng/ml		100
T AR1260 2 #2	9.931	0.0	17056316.962	702.9955	ng/ml		100
T AR1260 3 #2	10.476	0.0	21230223.322	715.3209	ng/ml		100
T AR1260 5	10.706	0.0	508874482.933	860.2378	ng/ml		100
T AR1260 4 #2	10.967	0.0	13387674.710	739.0141	ng/ml		100
T AR1260 5 #2	11.636	0.0	19491301.436	717.0114	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

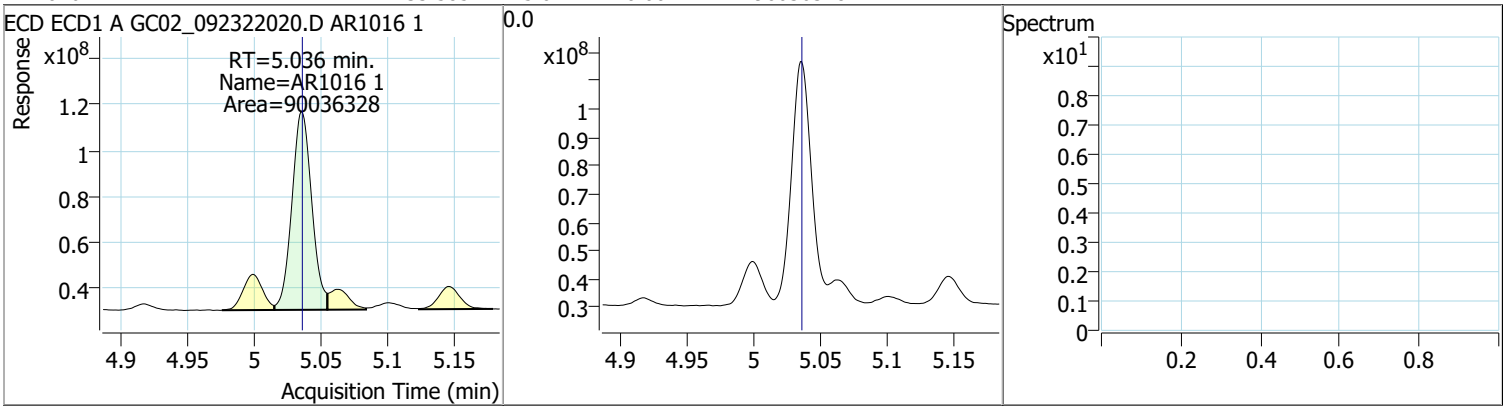
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	64.4437	4.71	0.00	526523308				



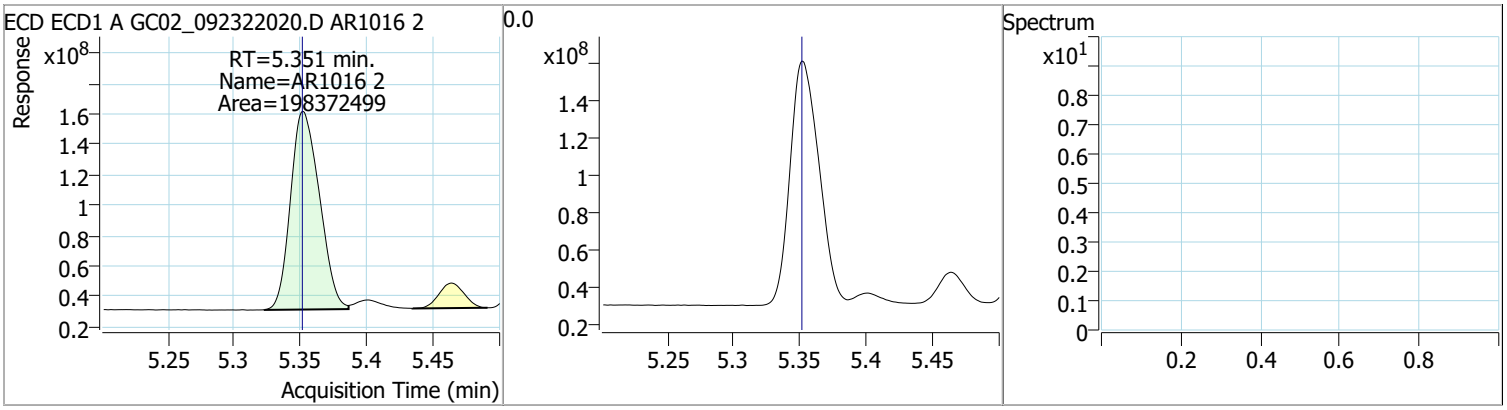
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	57.3484	5.01	0.00	16504245				



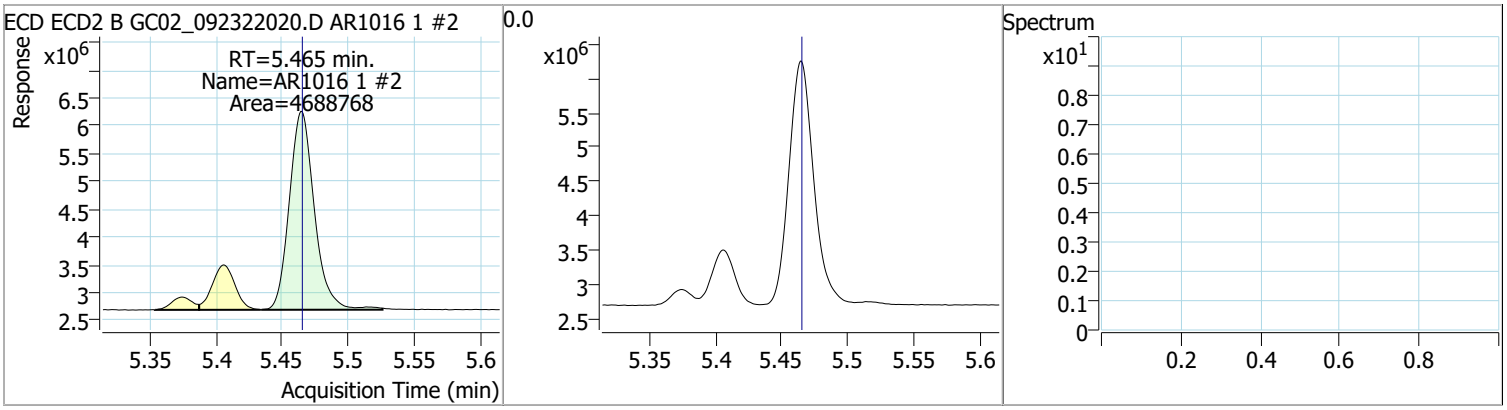
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	733.5852	5.04	0.00	90036328				



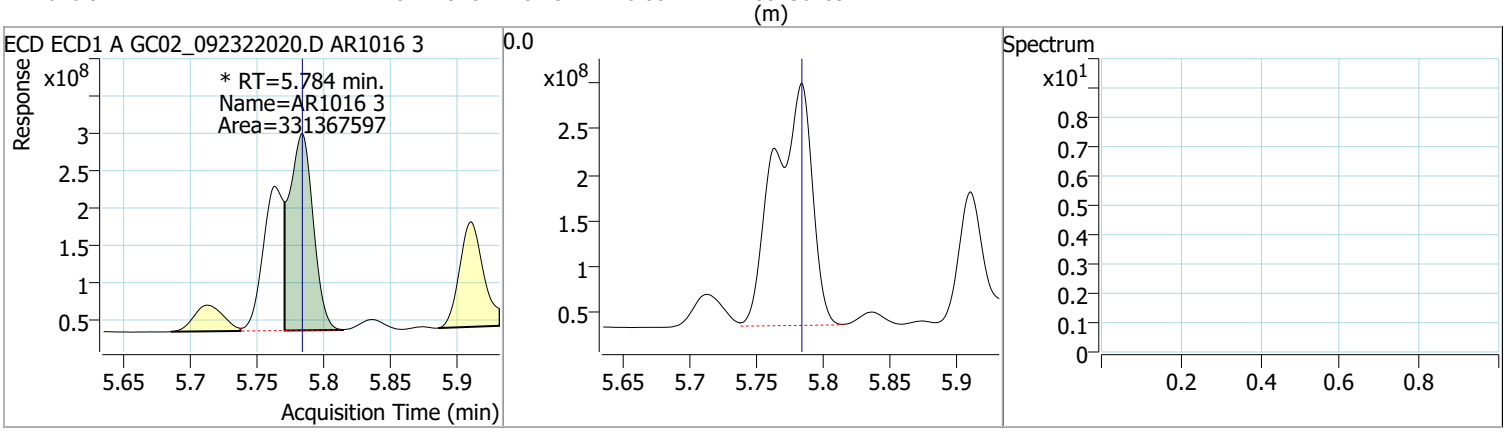
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	749.6959	5.35	0.00	198372499				



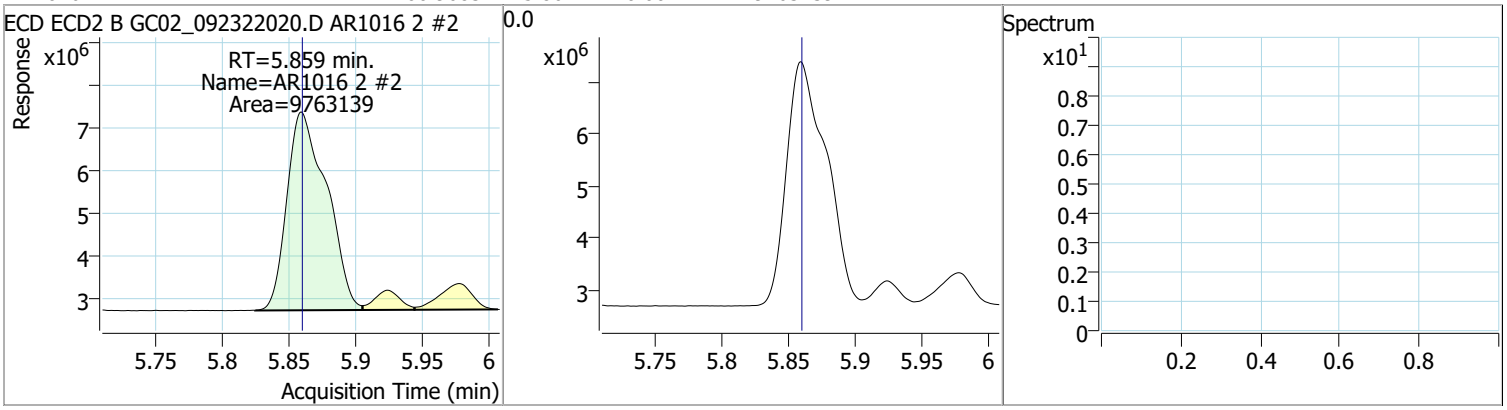
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	707.5743	5.46	0.00	4688768				



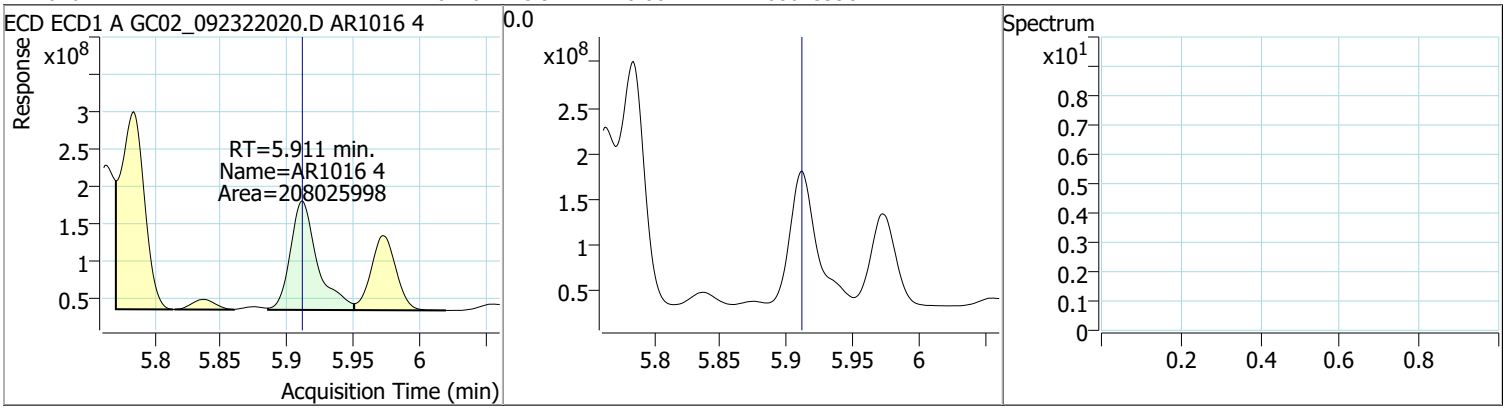
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	811.4915	5.78	0.00	331367597 (m)				



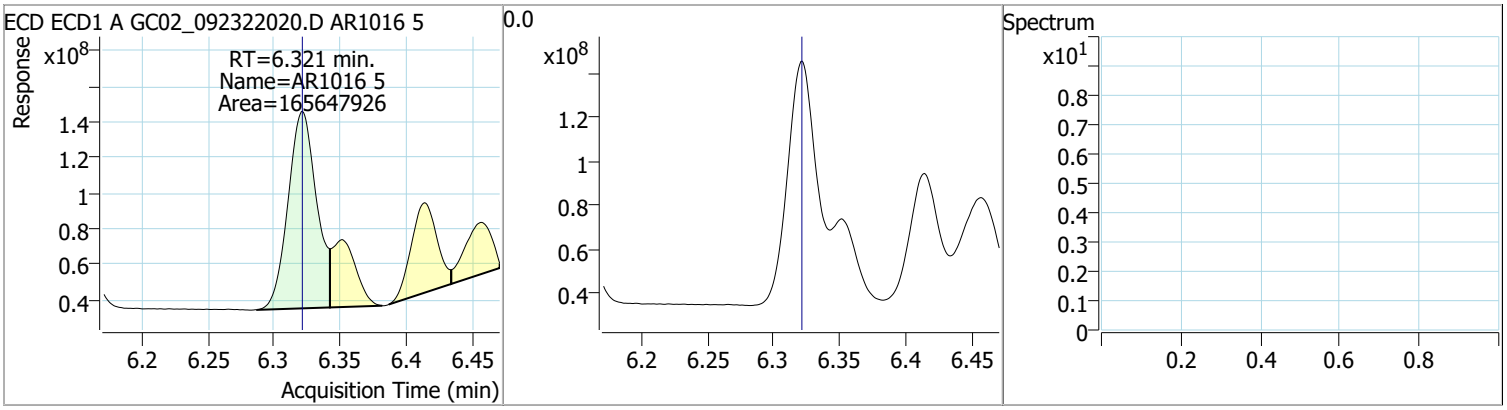
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	700.9683	5.86	0.00	9763139				



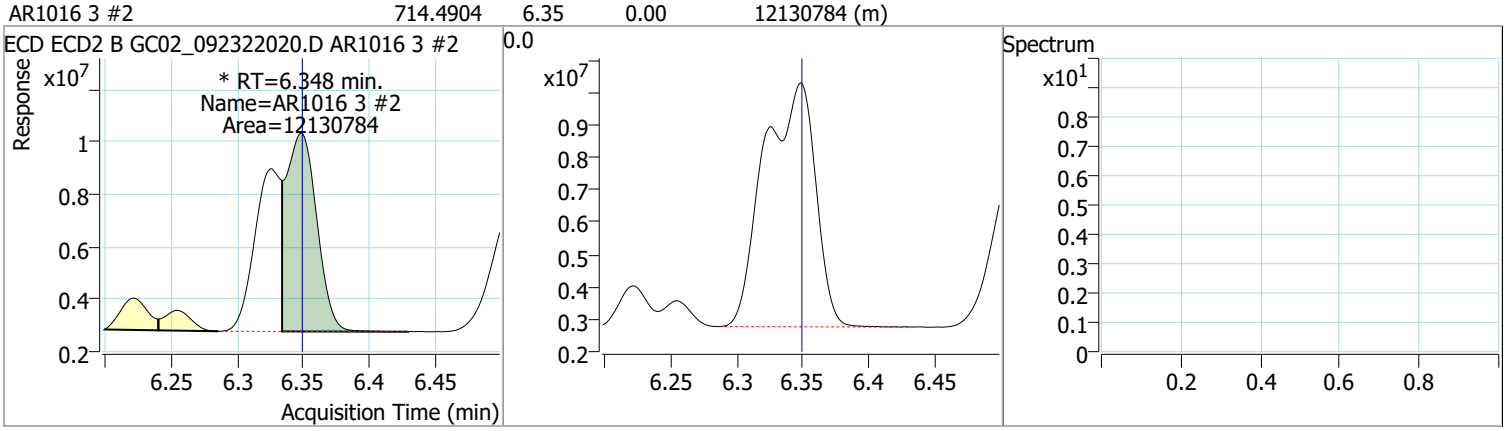
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	771.0426	5.91	0.00	208025998				



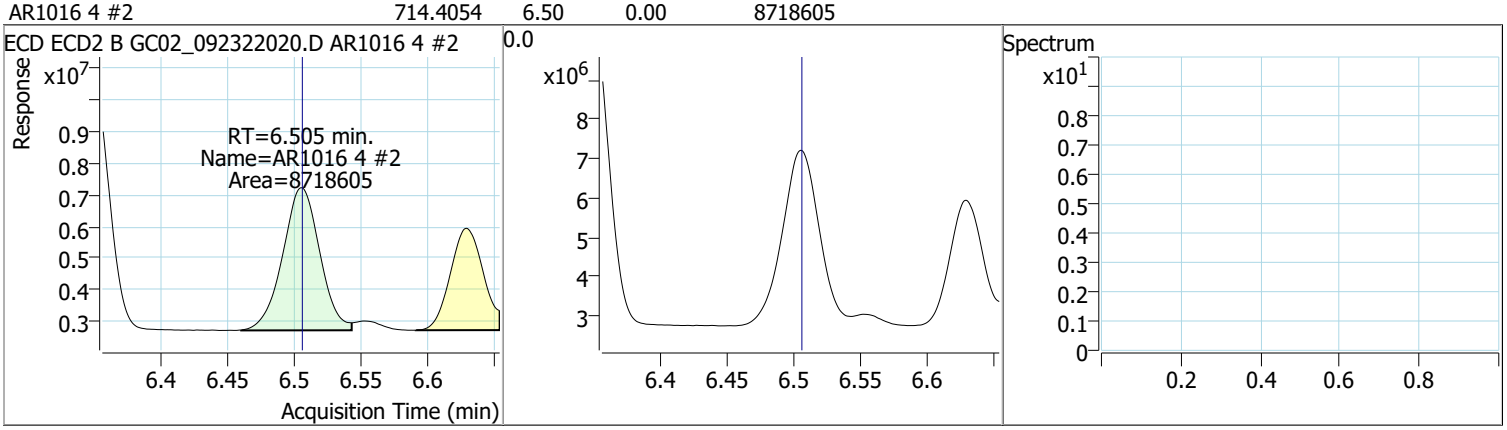
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	762.9440	6.32	0.00	165647926				



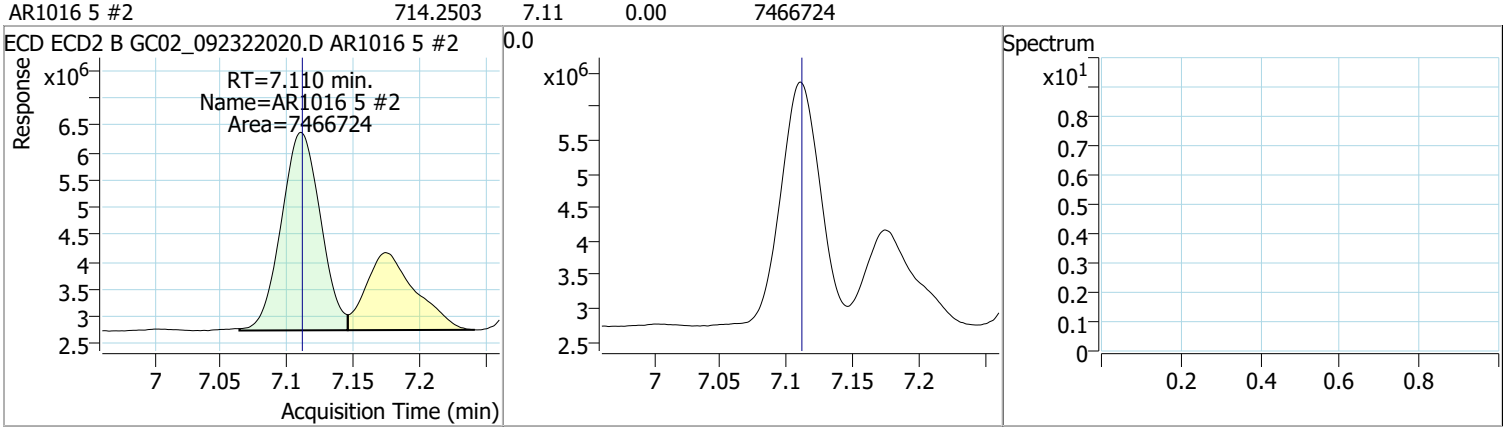
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	714.4904	6.35	0.00	12130784 (m)				



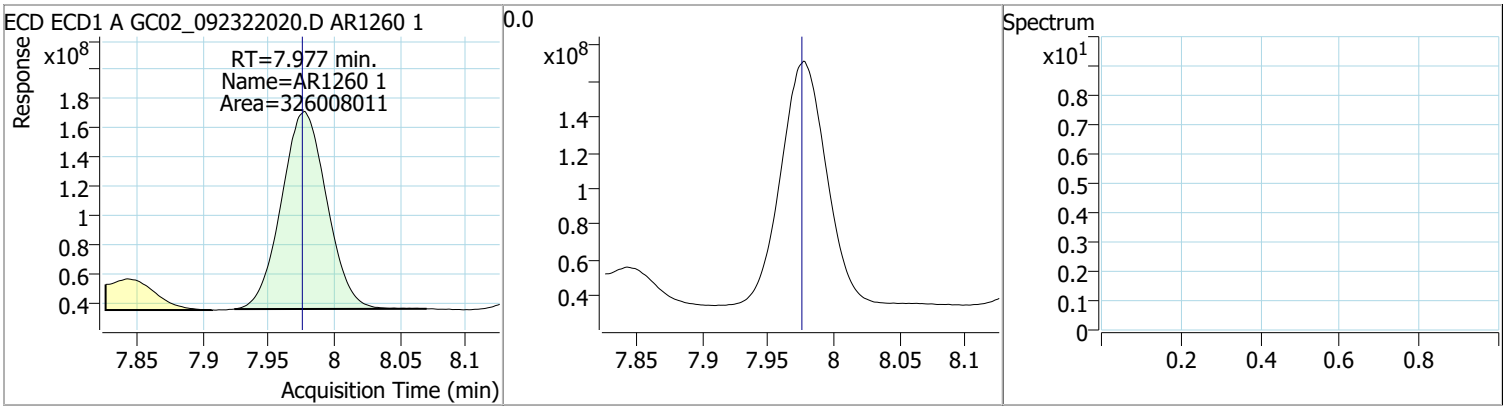
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	714.4054	6.50	0.00	8718605				



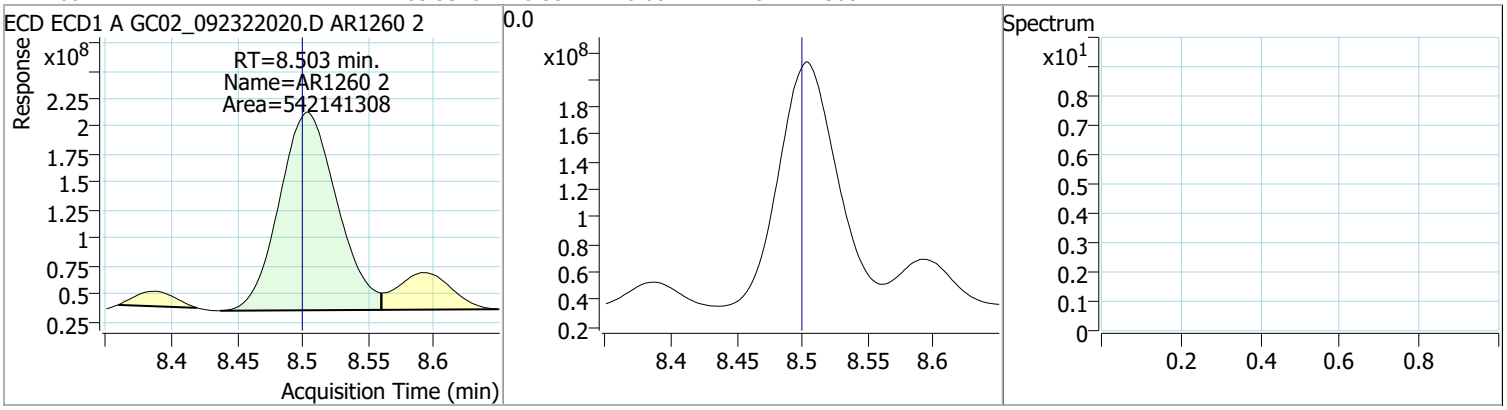
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	714.2503	7.11	0.00	7466724				



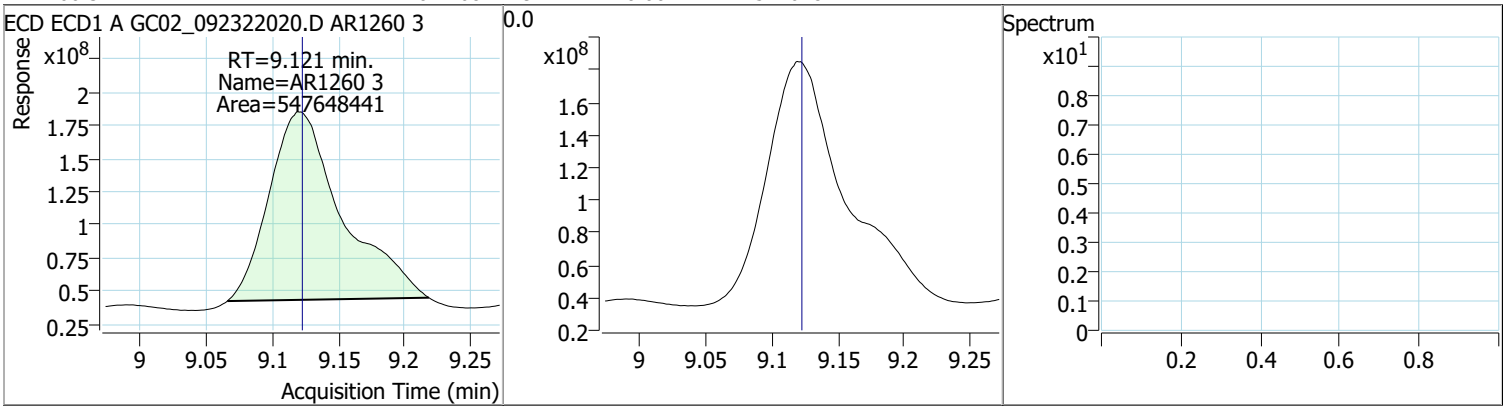
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	763.9275	7.98	0.00	326008011				



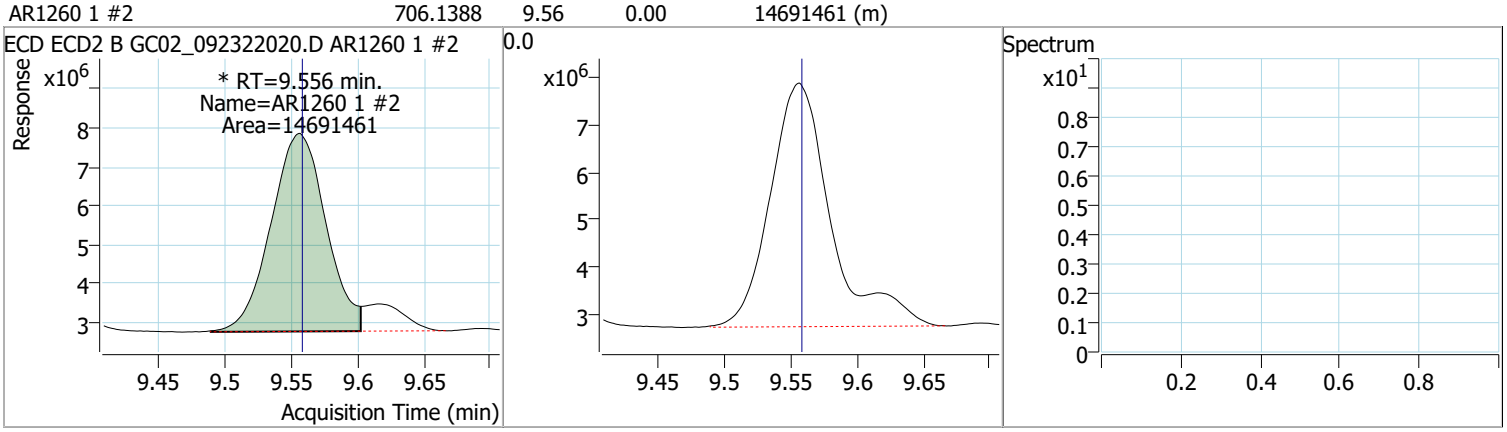
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	783.9346	8.50	0.00	542141308				



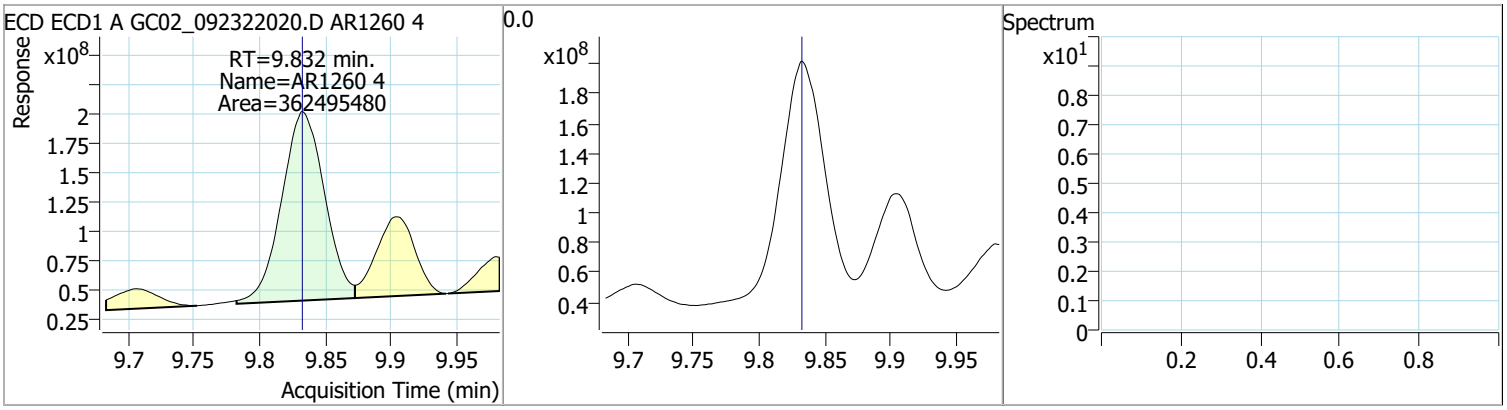
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	710.2268	9.12	0.00	547648441				



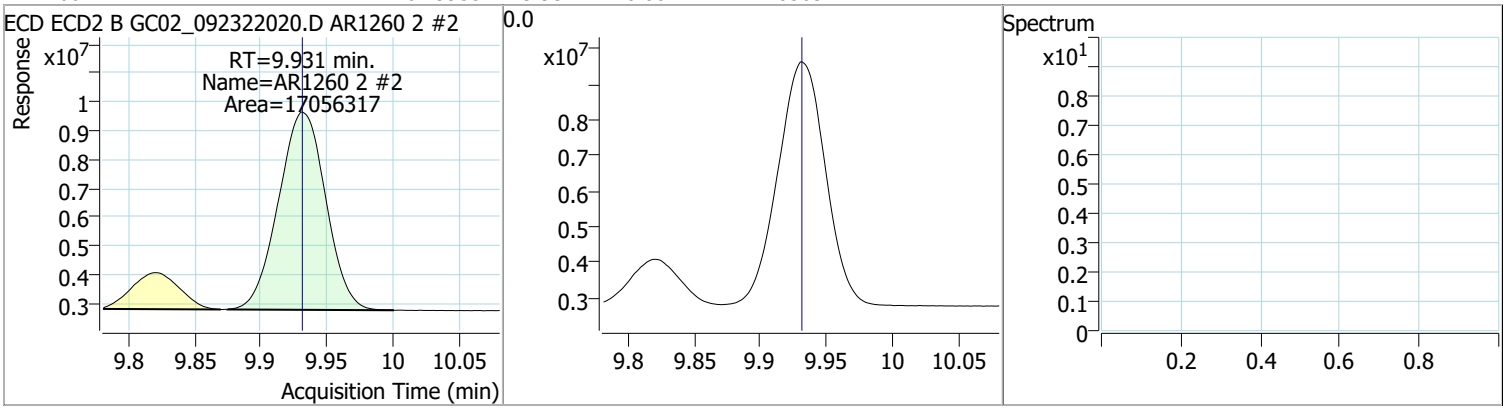
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	706.1388	9.56	0.00	14691461 (m)				



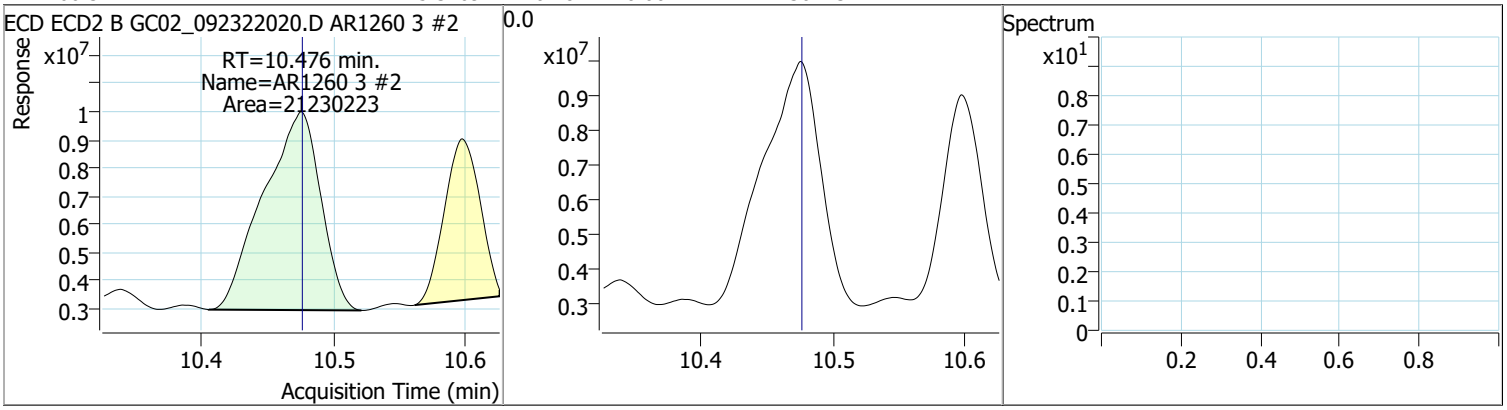
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	840.6512	9.83	0.00	362495480				



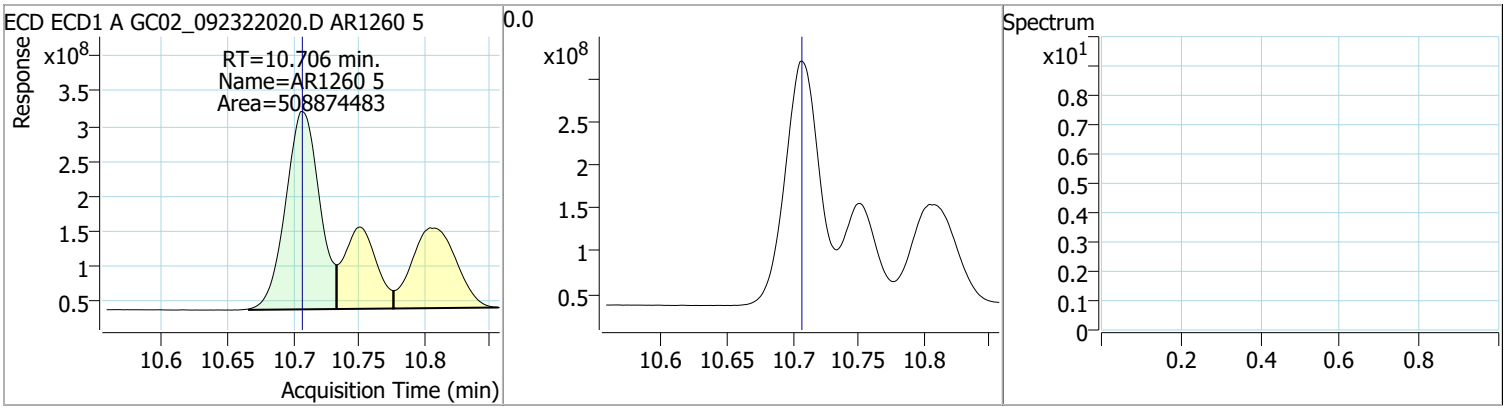
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	702.9955	9.93	0.00	17056317				



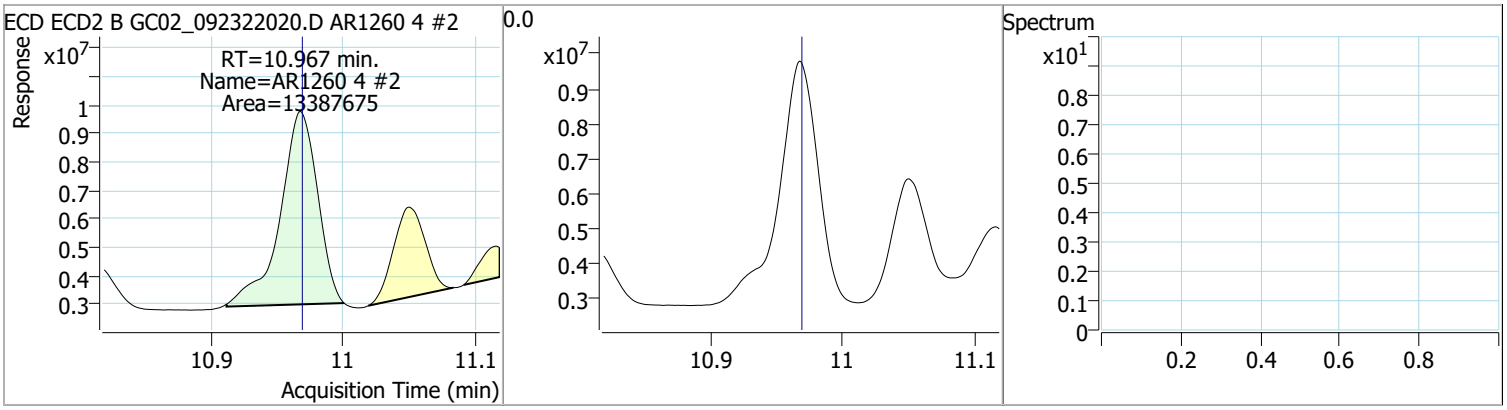
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	715.3209	10.48	0.00	21230223				



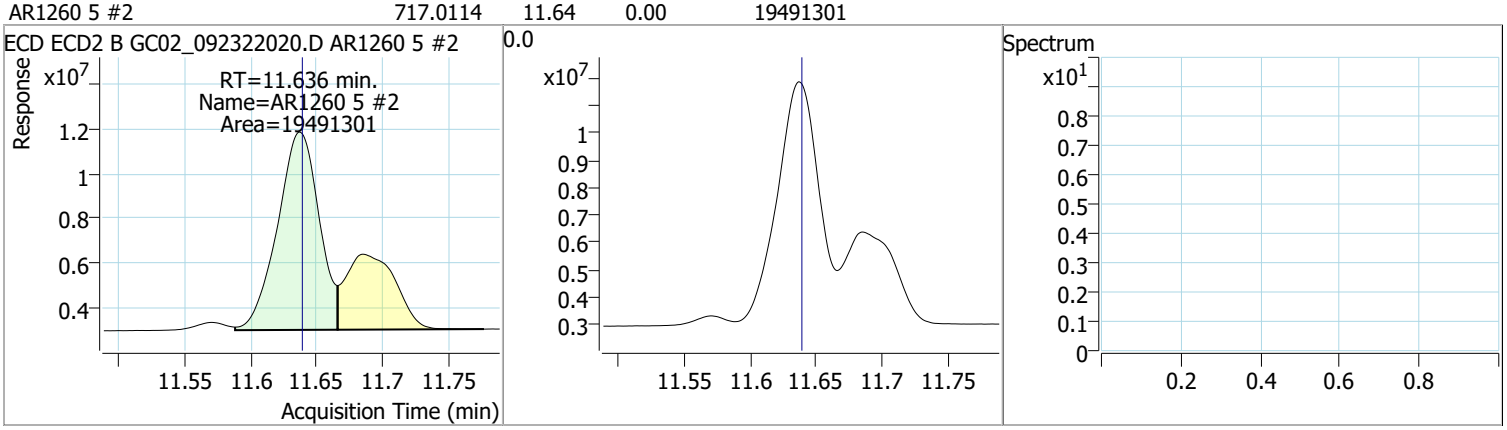
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	860.2378	10.71	0.00	508874483				



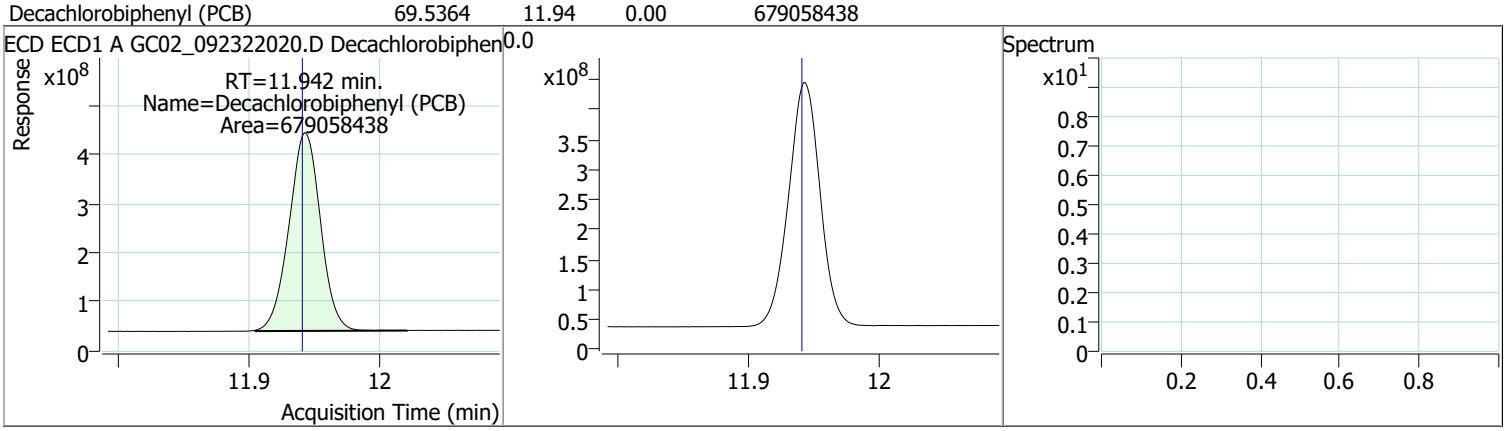
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	739.0141	10.97	0.00	13387675				



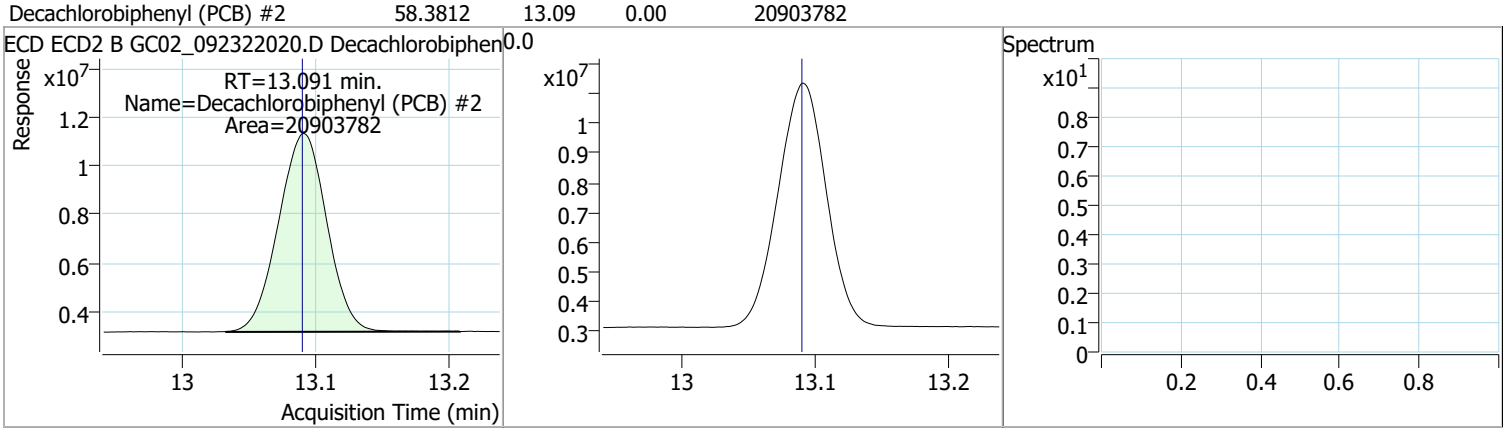
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	717.0114	11.64	0.00	19491301				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	69.5364	11.94	0.00	679058438				

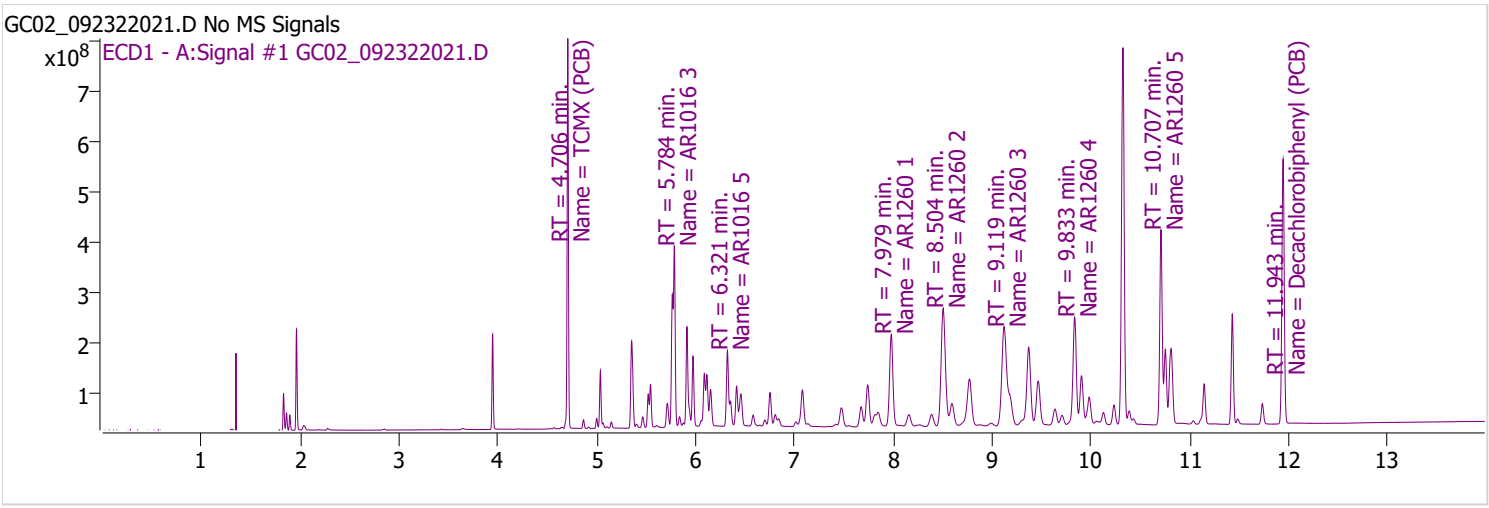


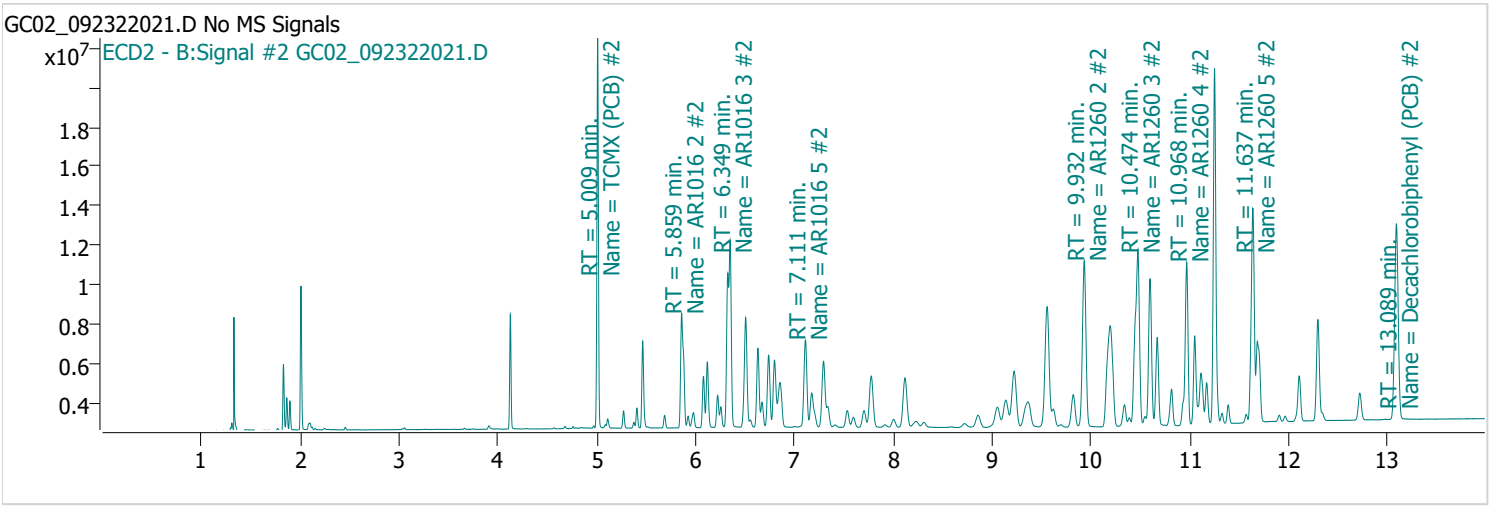
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	58.3812	13.09	0.00	20903782				



Quantitation Results Report (Not Reviewed)

Data File	GC02_092322021.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/23/2022 4:42:04 PM
Sample Name	ICAL, S17269	Instrument	SVOA-GC02
Vial	17	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	PCB 1000 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



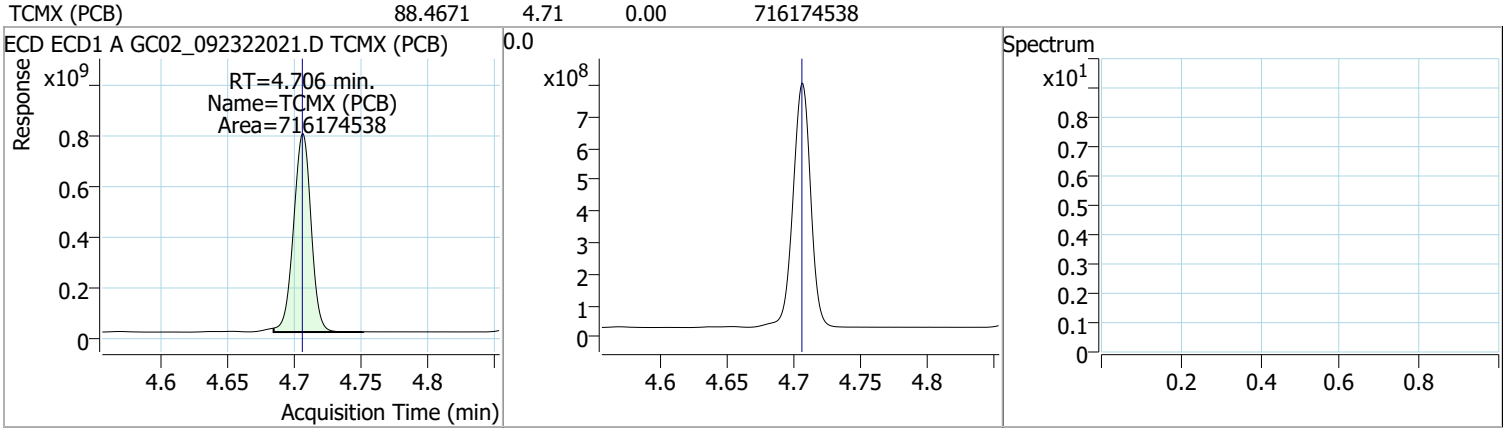


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	166845503.623	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	5529659.043	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	716174538.425	88.4671	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 442.34%		*	
S TCMX (PCB) #2	5.009	0.0	21192630.241	73.8160	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 369.08%		*	
S Decachlorobiphenyl (PCB)	11.943	0.0	889147248.695	91.8922	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 459.46%		*	
S Decachlorobiphenyl (PCB) #2	13.089	0.0	25205067.714	70.5628	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 352.81%		*	
Target Compounds							QValue

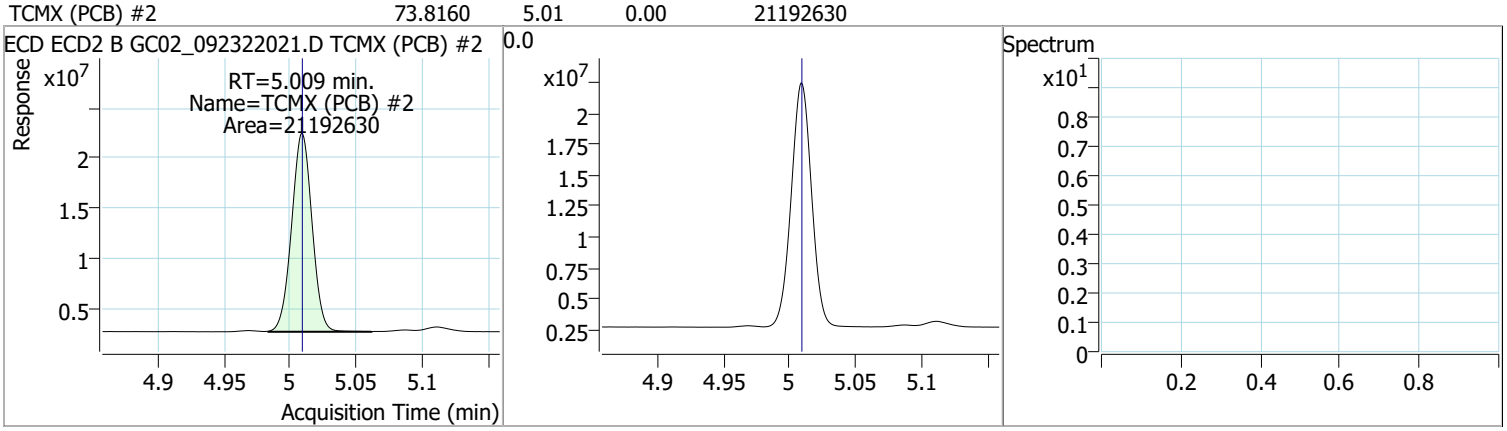
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.036	0.0	118114250.522	971.2592	ng/ml		100
T AR1016 2	5.353	0.0	261203079.044	996.2814	ng/ml		100
T AR1016 1 #2	5.464	0.0	5821263.414	880.5830	ng/ml		100
T AR1016 3	5.784	0.0	432802317.814	1069.7039	ng/ml	m	100
T AR1016 2 #2	5.859	0.0	12131733.378	873.1151	ng/ml		100
T AR1016 4	5.912	0.0	276608930.684	1034.7300	ng/ml		100
T AR1016 5	6.321	0.0	220131859.280	1023.2686	ng/ml		100
T AR1016 3 #2	6.349	0.0	15206739.664	897.8078	ng/ml		100
T AR1016 4 #2	6.506	0.0	10819121.501	888.6473	ng/ml		100
T AR1016 5 #2	7.111	0.0	9277654.300	889.6072	ng/ml		100
T AR1260 1	7.979	0.0	428500962.710	1013.3879	ng/ml		100
T AR1260 2	8.504	0.0	710399354.508	1036.7403	ng/ml		100
T AR1260 3	9.119	0.0	814841747.735	1066.5188	ng/ml		100
T AR1260 1 #2	9.557	0.0	17934753.212	864.0924	ng/ml		100
T AR1260 4	9.833	0.0	475495068.834	1112.9081	ng/ml		100
T AR1260 2 #2	9.932	0.0	20799673.498	859.3370	ng/ml		100
T AR1260 3 #2	10.474	0.0	26128006.136	882.4545	ng/ml		100
T AR1260 5	10.707	0.0	672810559.055	1147.8912	ng/ml		100
T AR1260 4 #2	10.968	0.0	15499996.063	857.6674	ng/ml		100
T AR1260 5 #2	11.637	0.0	23892112.352	881.0072	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

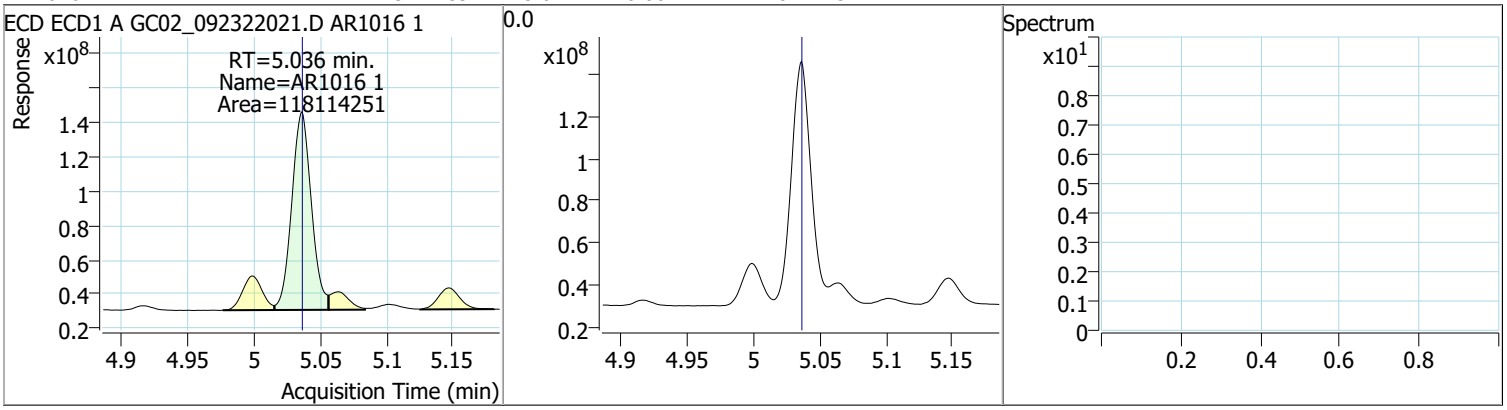
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	88.4671	4.71	0.00	716174538				



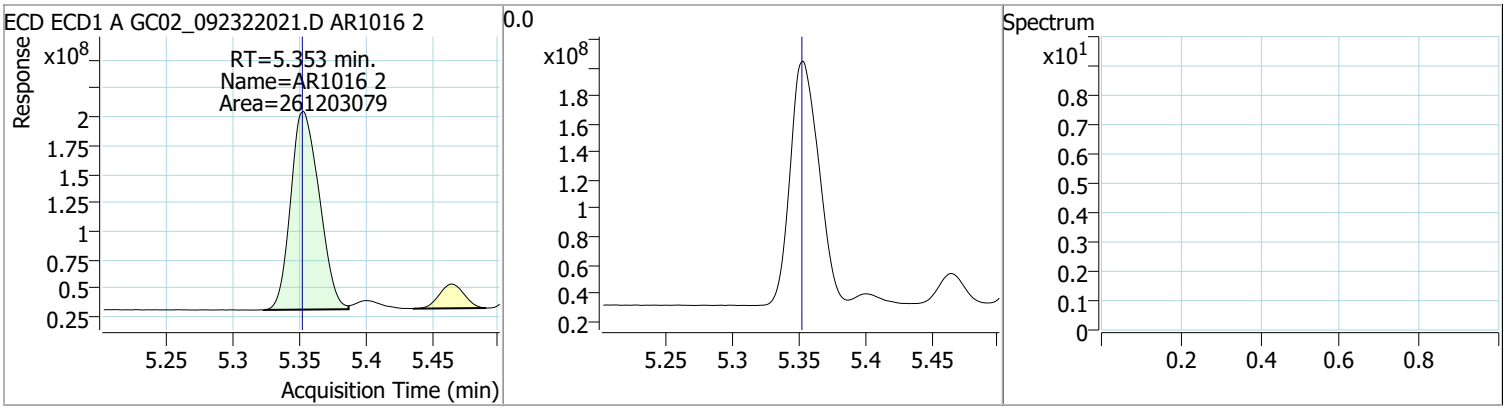
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	73.8160	5.01	0.00	21192630				



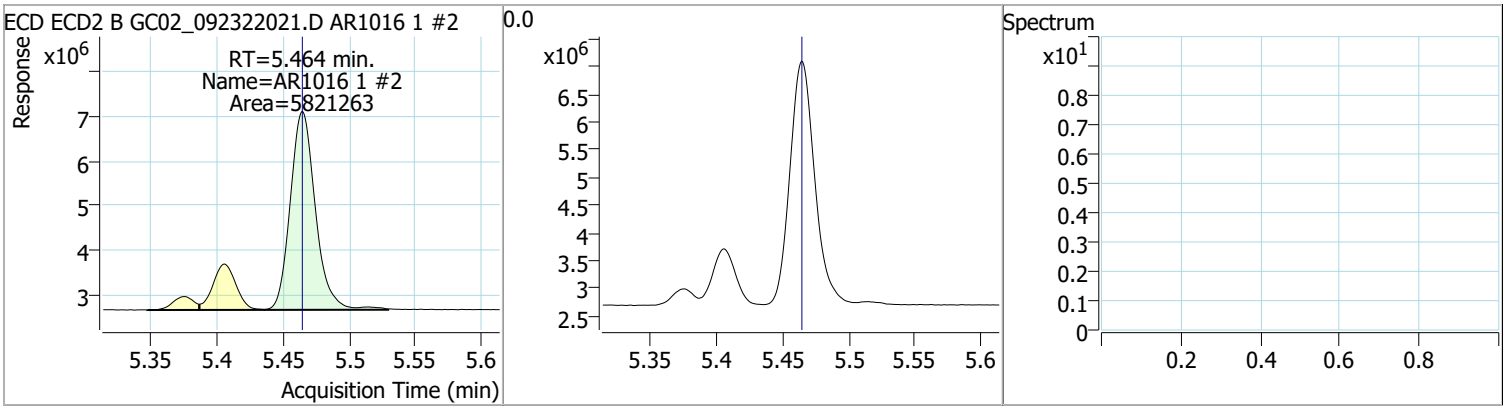
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	971.2592	5.04	0.00	118114251				



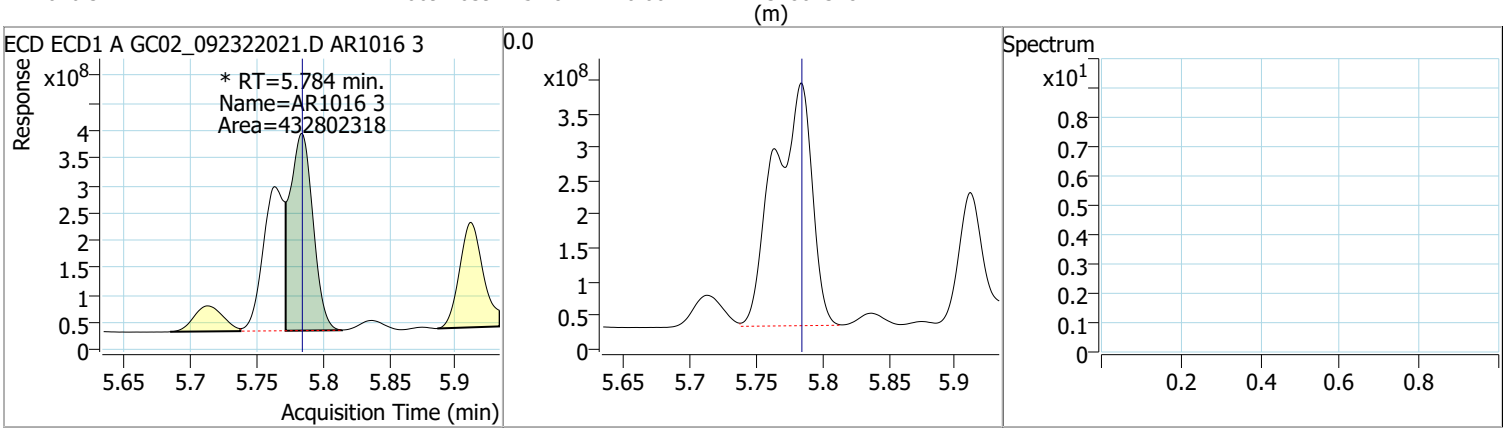
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	996.2814	5.35	0.00	261203079				



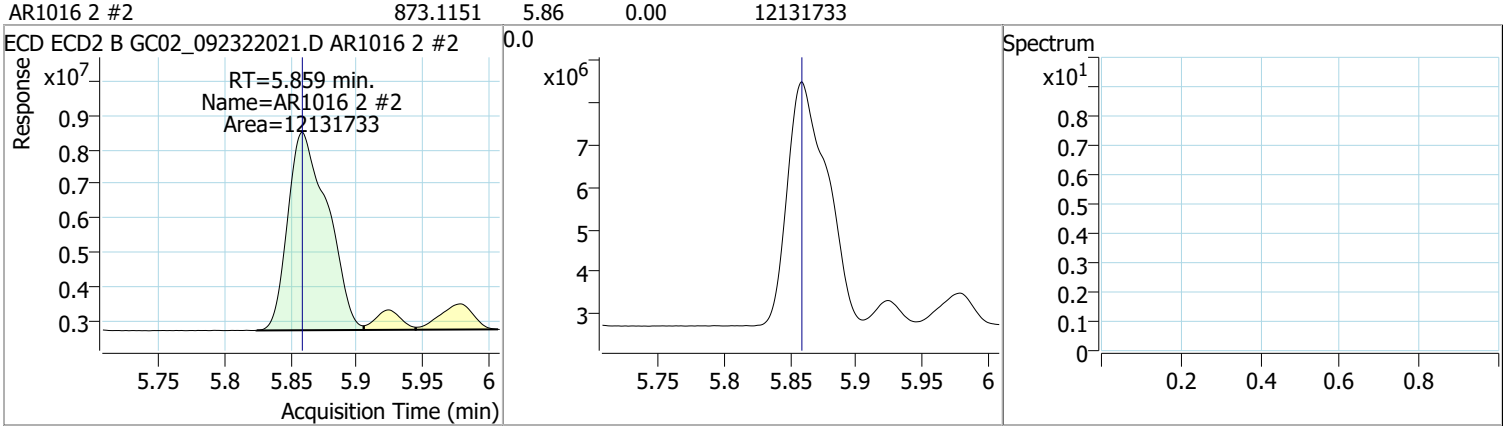
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	880.5830	5.46	0.00	5821263				



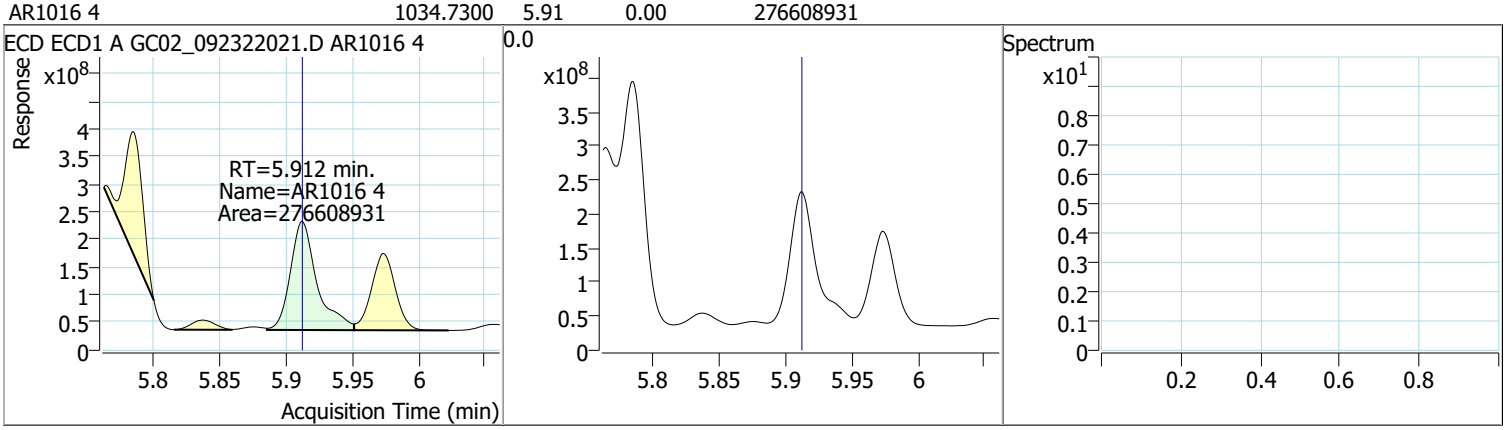
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1069.7039	5.78	0.00	432802318 (m)				



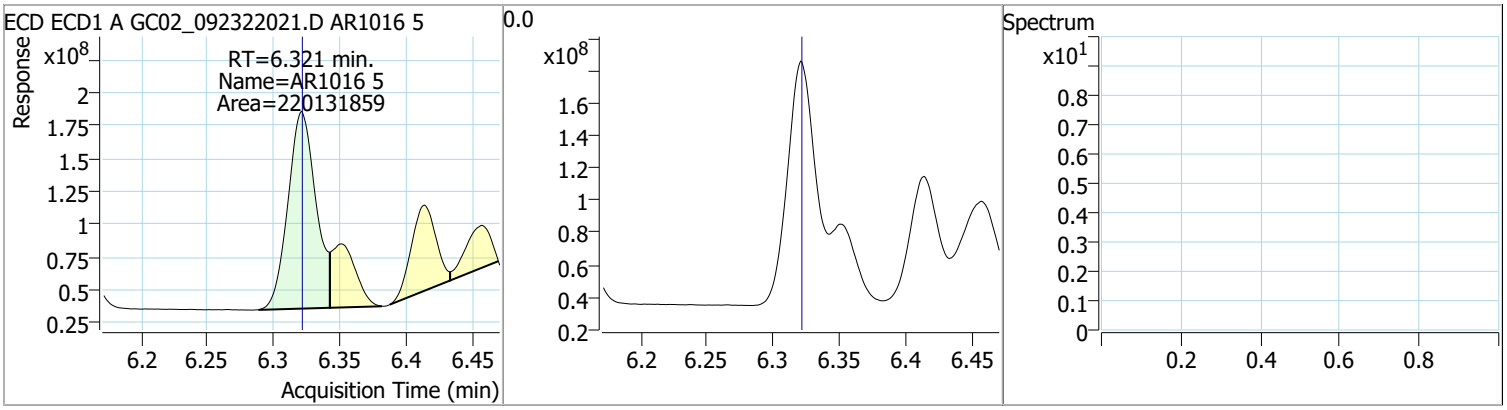
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	873.1151	5.86	0.00	12131733				



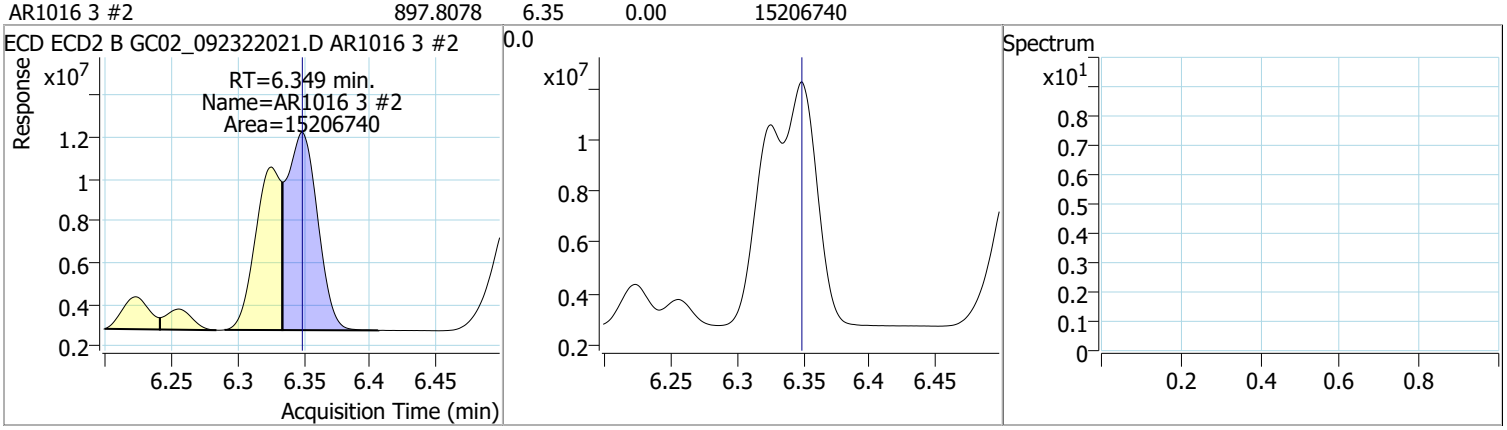
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1034.7300	5.91	0.00	276608931				



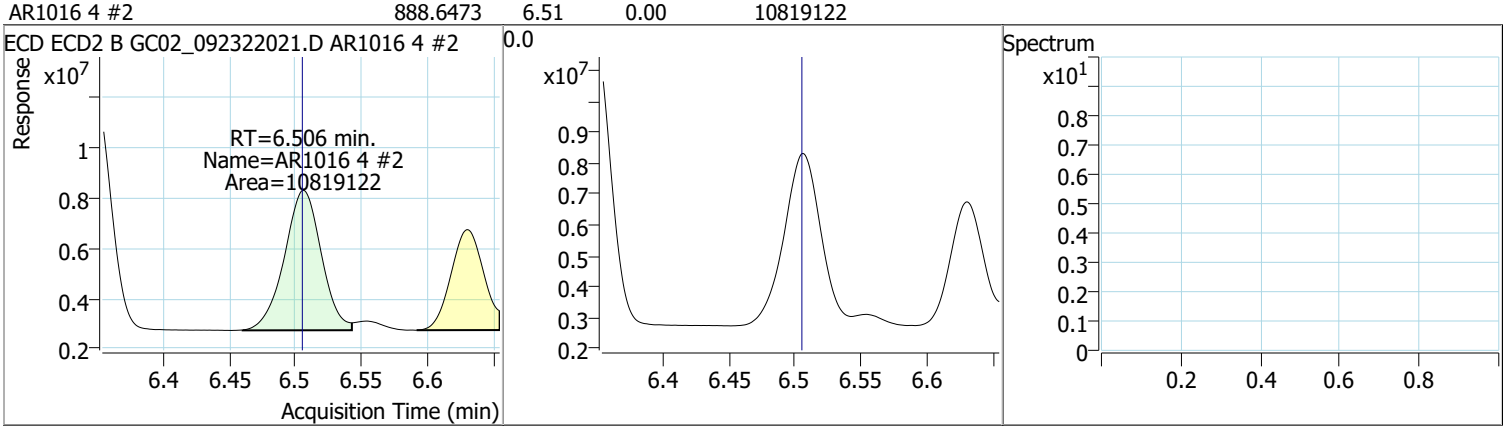
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1023.2686	6.32	0.00	220131859				



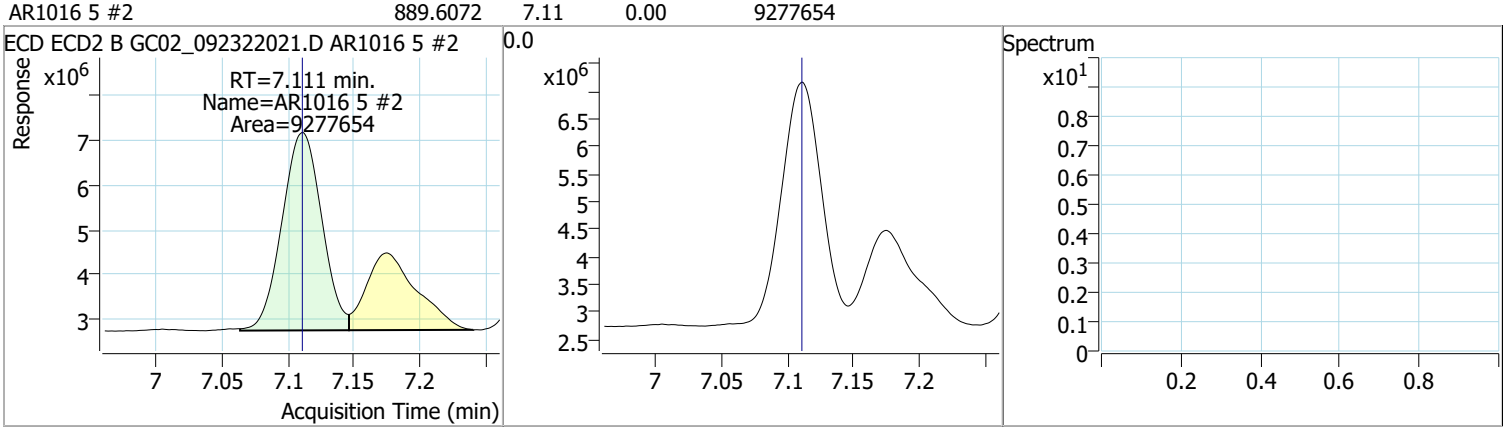
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AR1016 3 #2	897.8078	6.35	0.00	15206740				



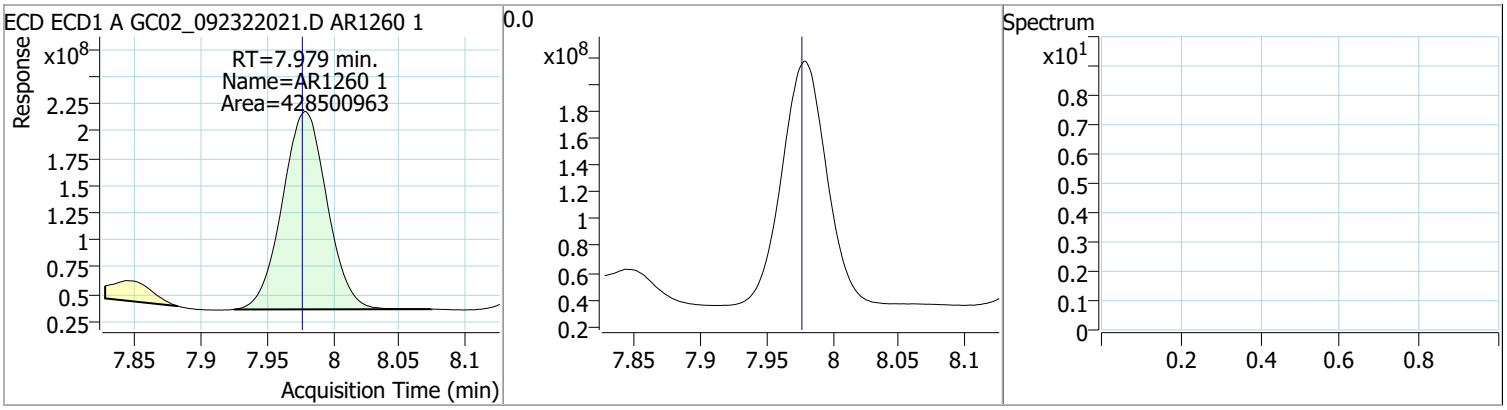
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	888.6473	6.51	0.00	10819122				



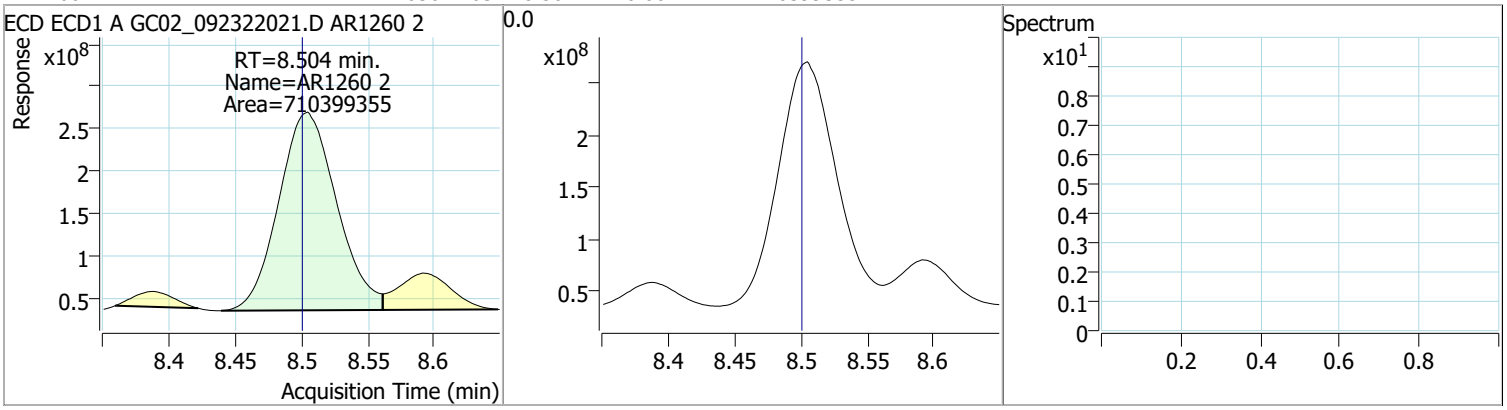
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	889.6072	7.11	0.00	9277654				



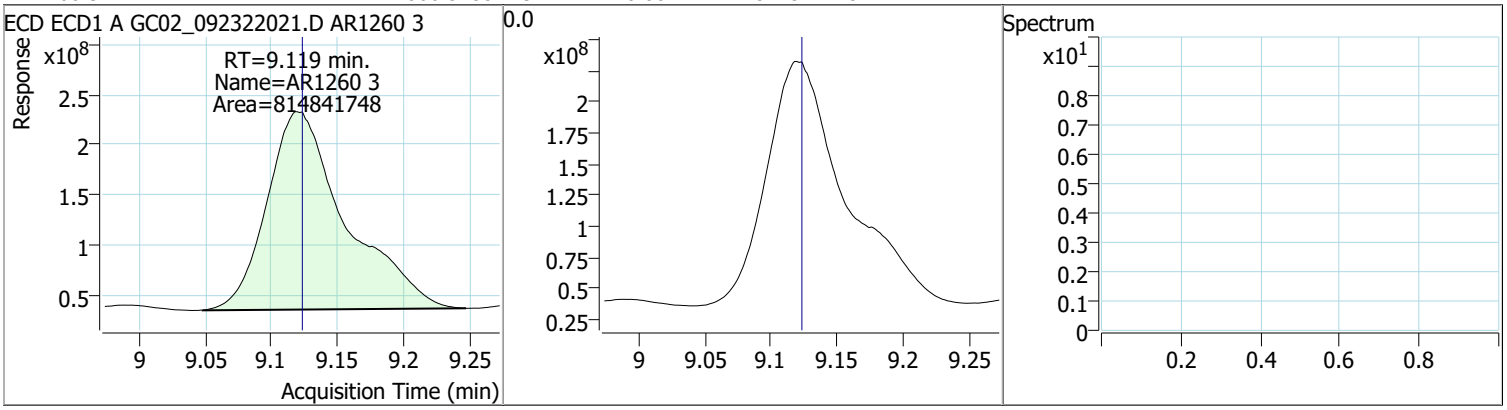
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1013.3879	7.98	0.00	428500963				



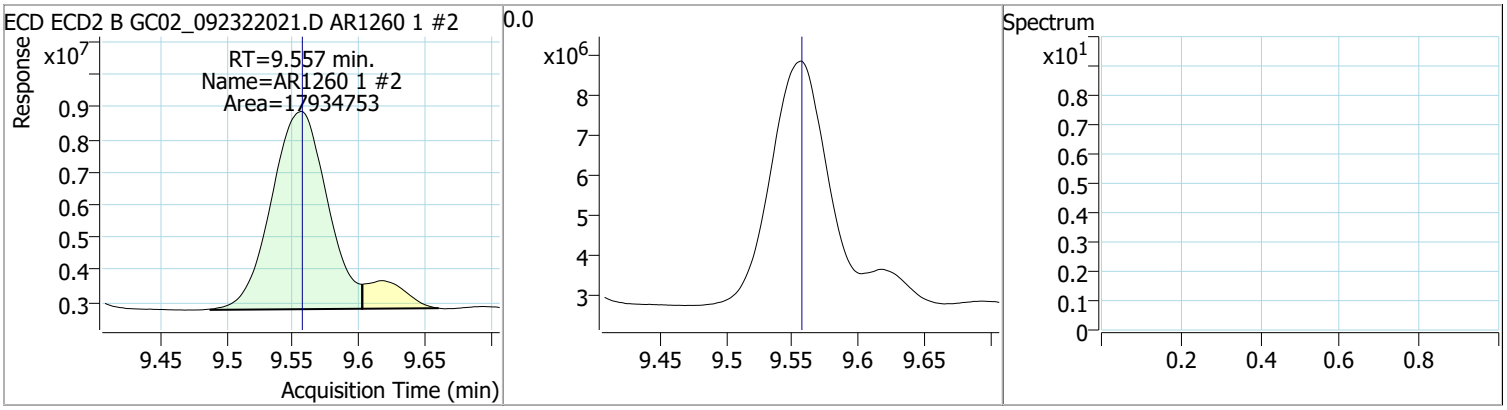
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1036.7403	8.50	0.00	710399355				



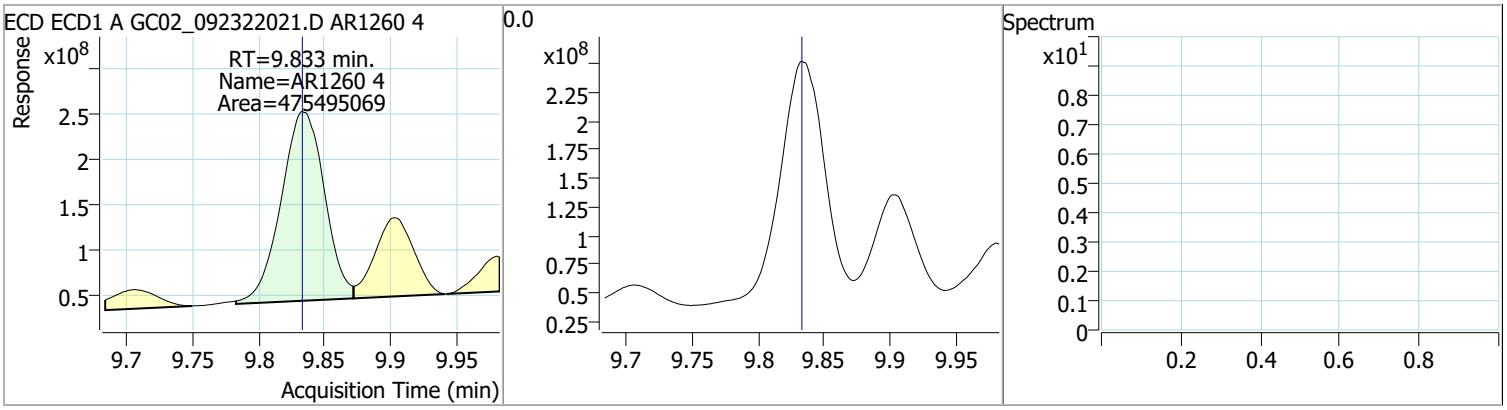
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1066.5188	9.12	0.00	814841748				



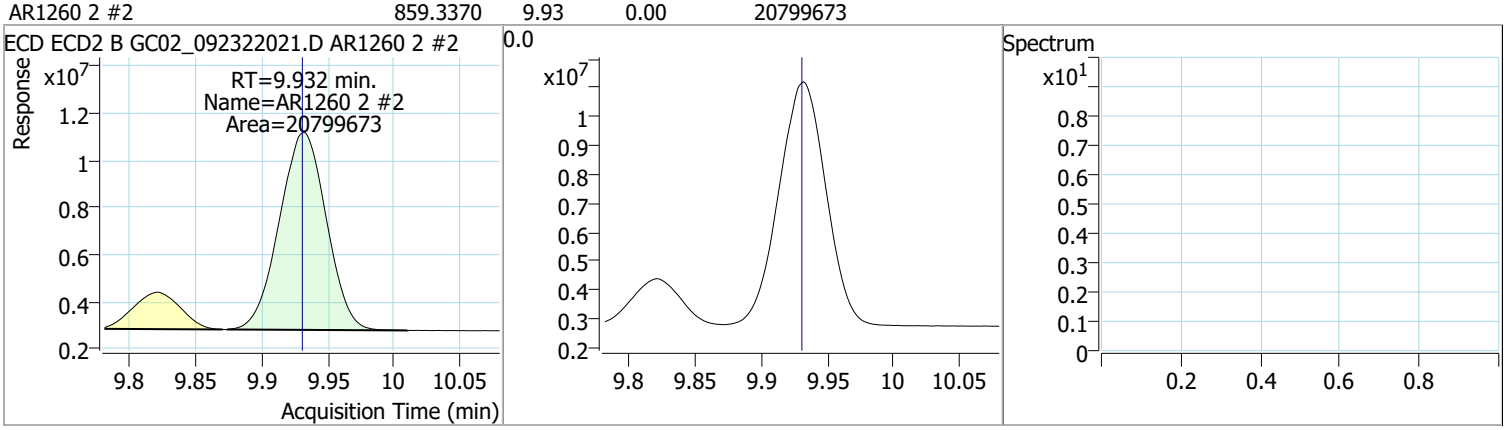
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	864.0924	9.56	0.00	17934753				



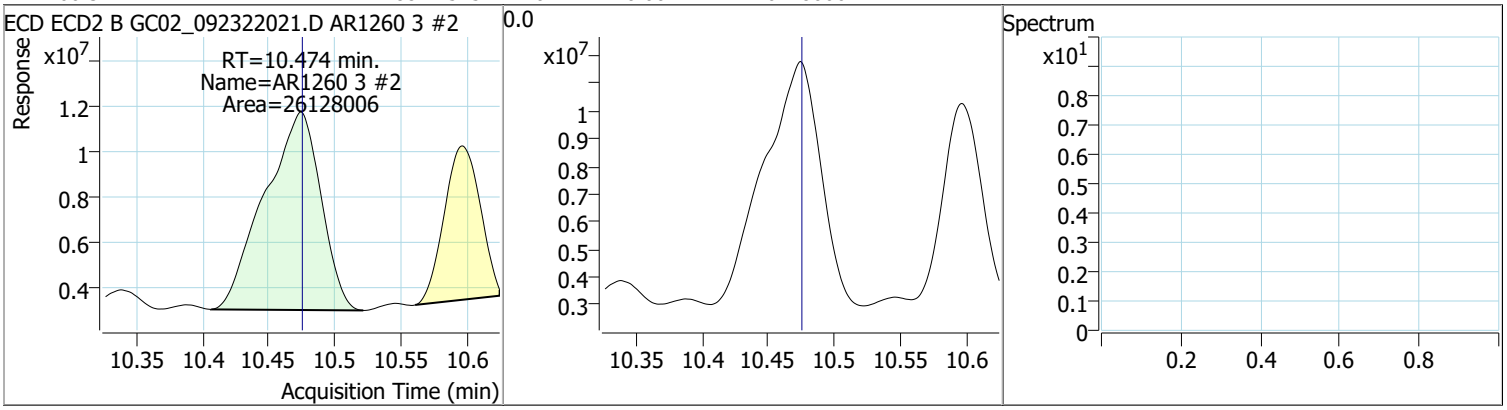
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1112.9081	9.83	0.00	475495069				



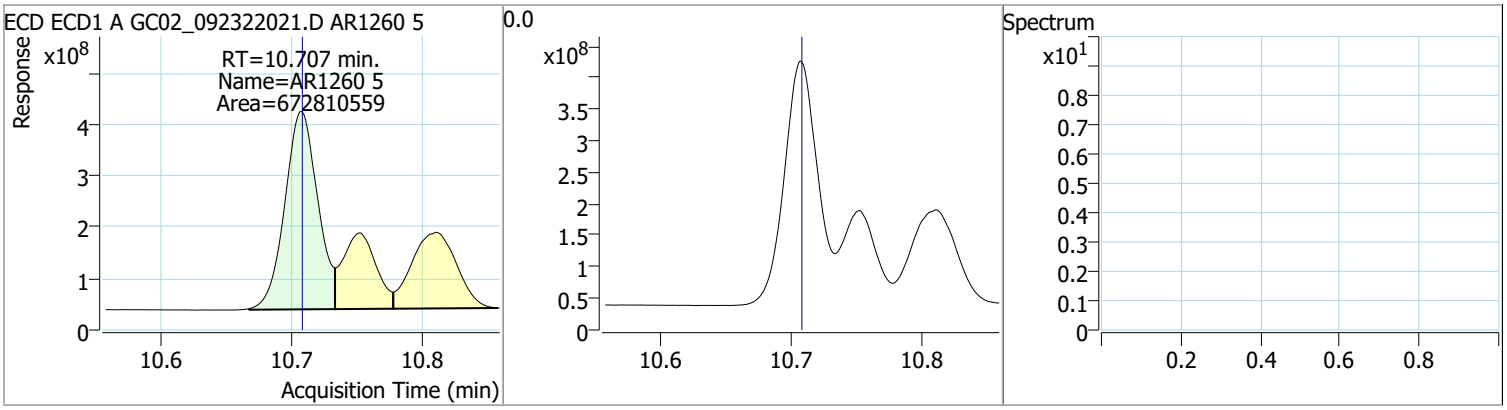
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	859.3370	9.93	0.00	20799673				



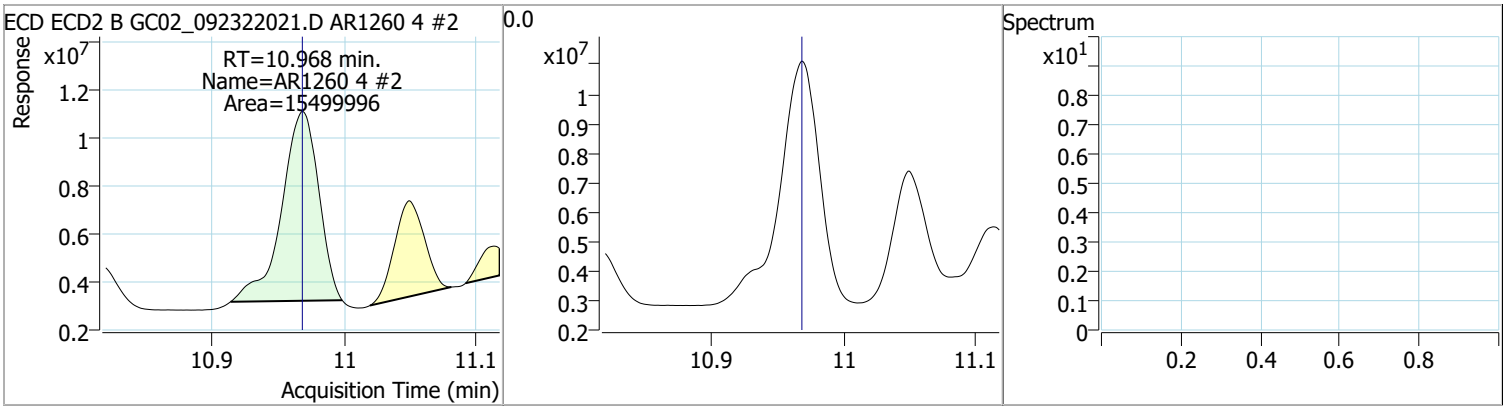
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	882.4545	10.47	0.00	26128006				



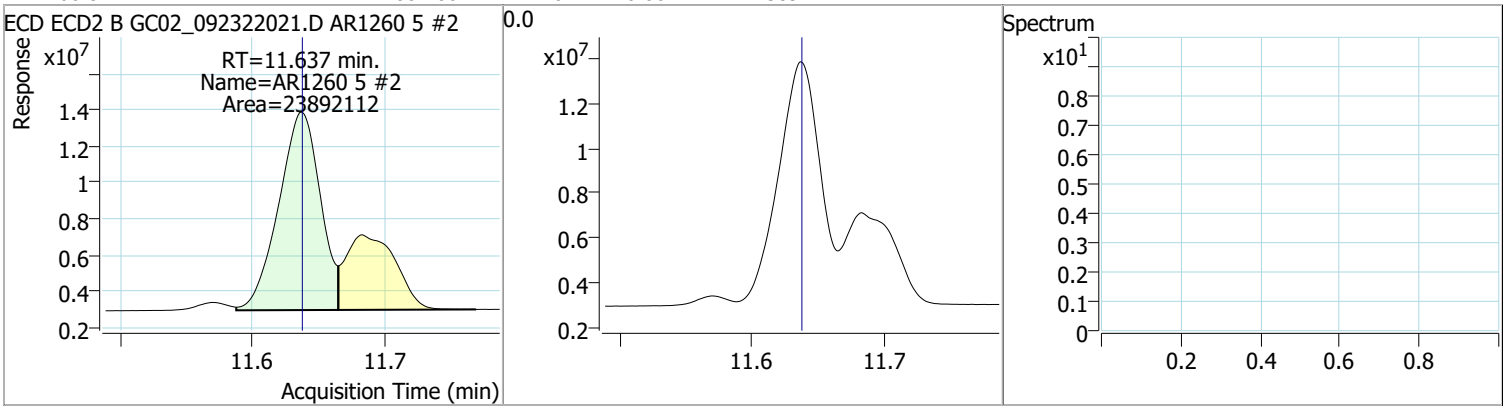
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1147.8912	10.71	0.00	672810559				



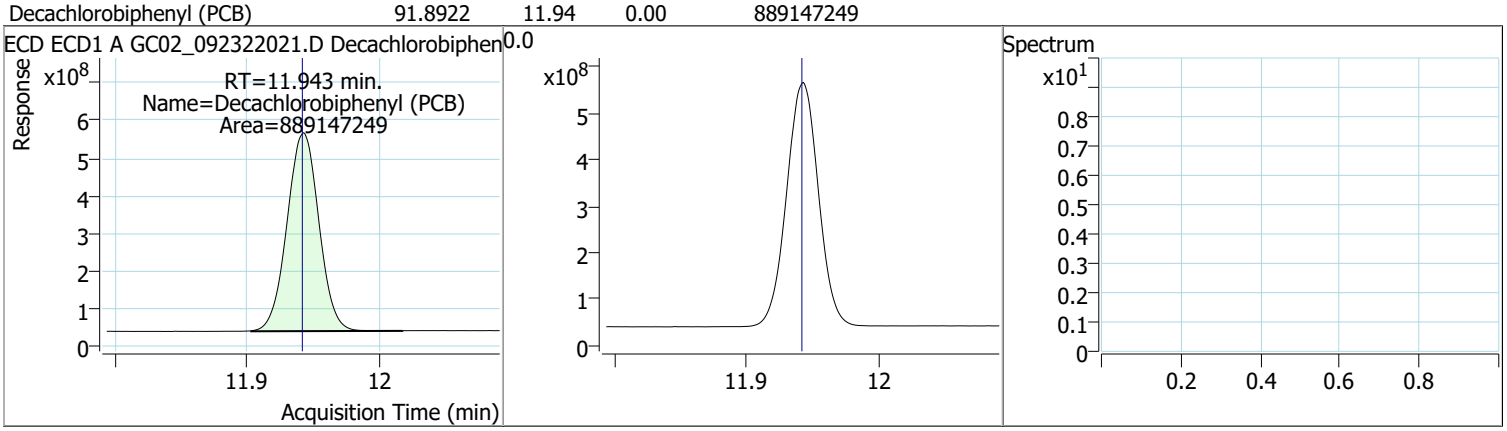
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	857.6674	10.97	0.00	15499996				



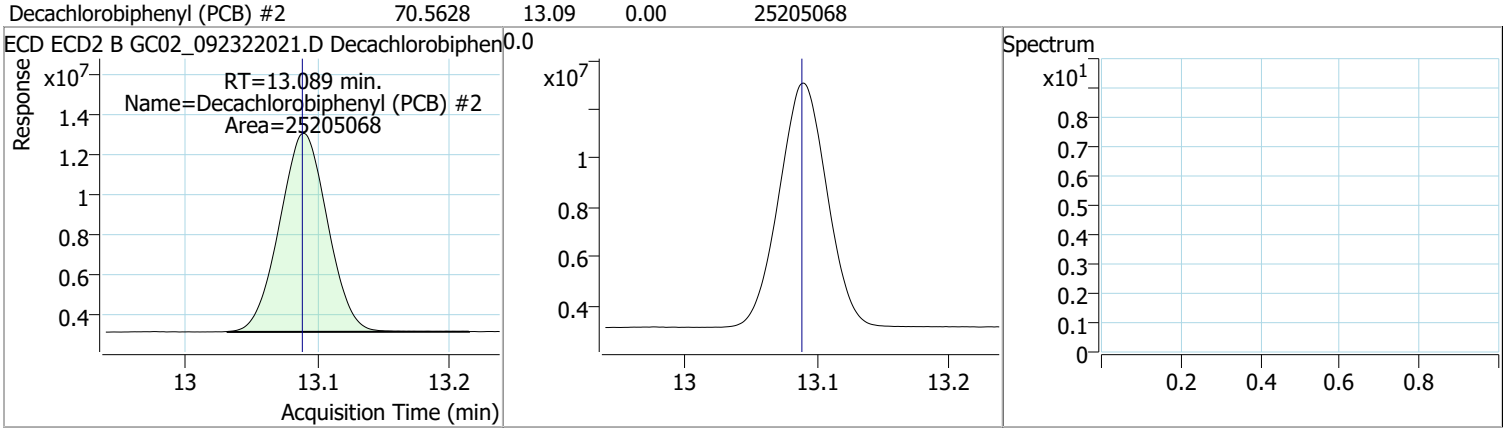
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	881.0072	11.64	0.00	23892112				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	91.8922	11.94	0.00	889147249				

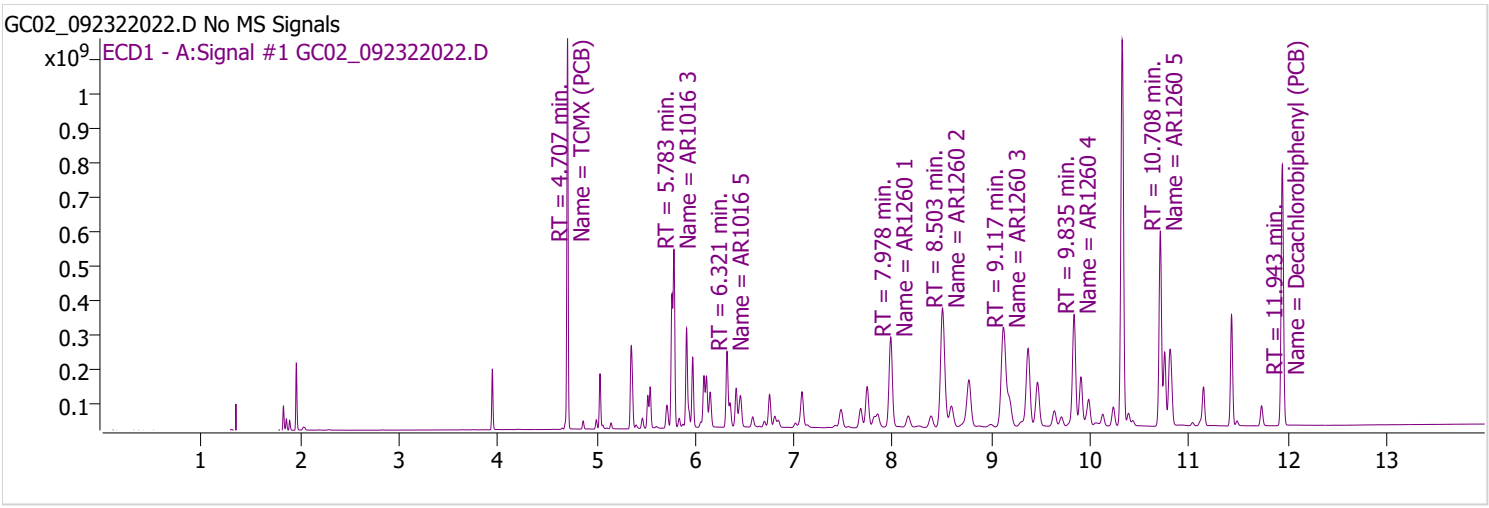


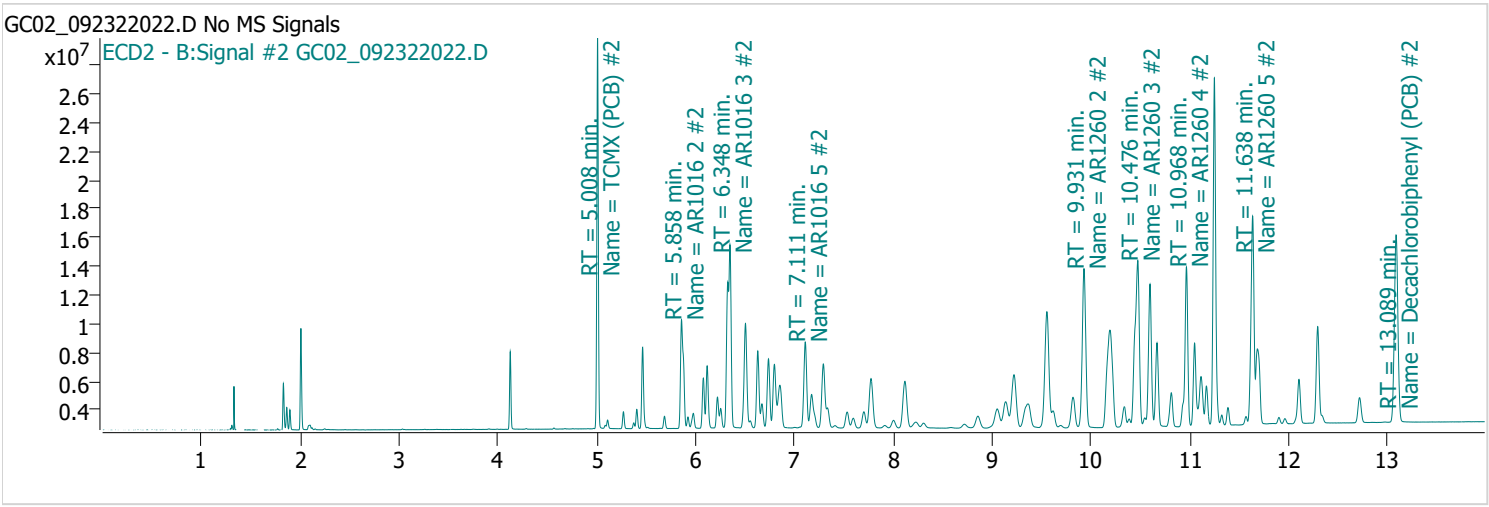
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	70.5628	13.09	0.00	25205068				



Quantitation Results Report (Not Reviewed)

Data File	GC02_092322022.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/23/2022 4:59:52 PM
Sample Name	ICAL, S17270	Instrument	SVOA-GC02
Vial	18	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	PCB 1500 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



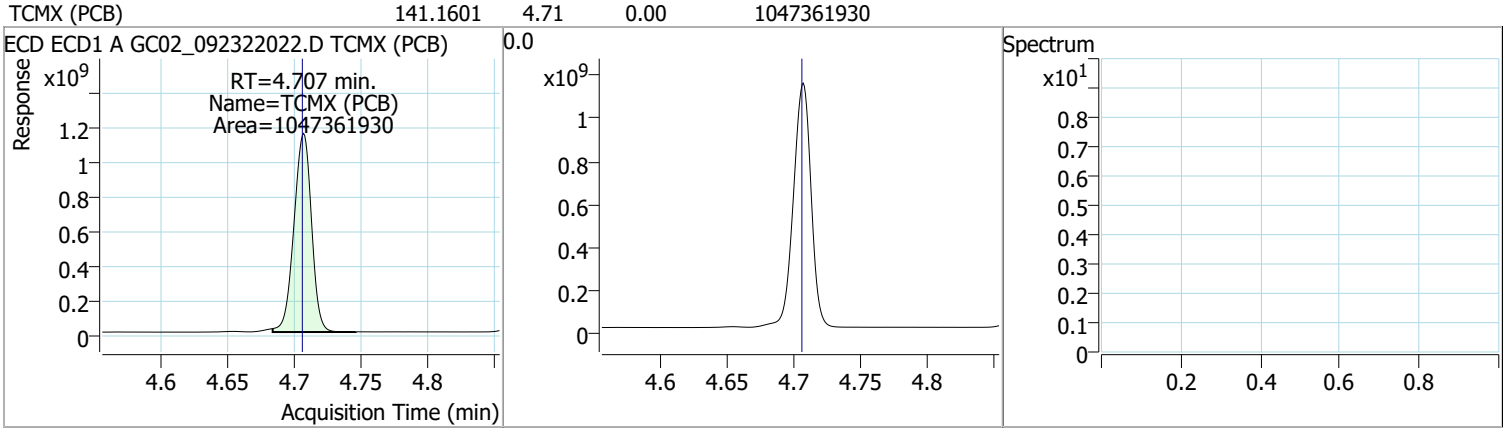


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	152919318.943	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	5153749.604	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.707	0.0	1047361929.686	141.1601	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 705.80%		*	
S TCMX (PCB) #2	5.008	0.0	28877371.914	107.9190	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 539.60%		*	
S Decachlorobiphenyl (PCB)	11.943	0.0	1290332187.361	145.4986	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 727.49%		*	
S Decachlorobiphenyl (PCB) #2	13.089	0.0	32909548.432	98.8518	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 494.26%		*	
Target Compounds							QValue

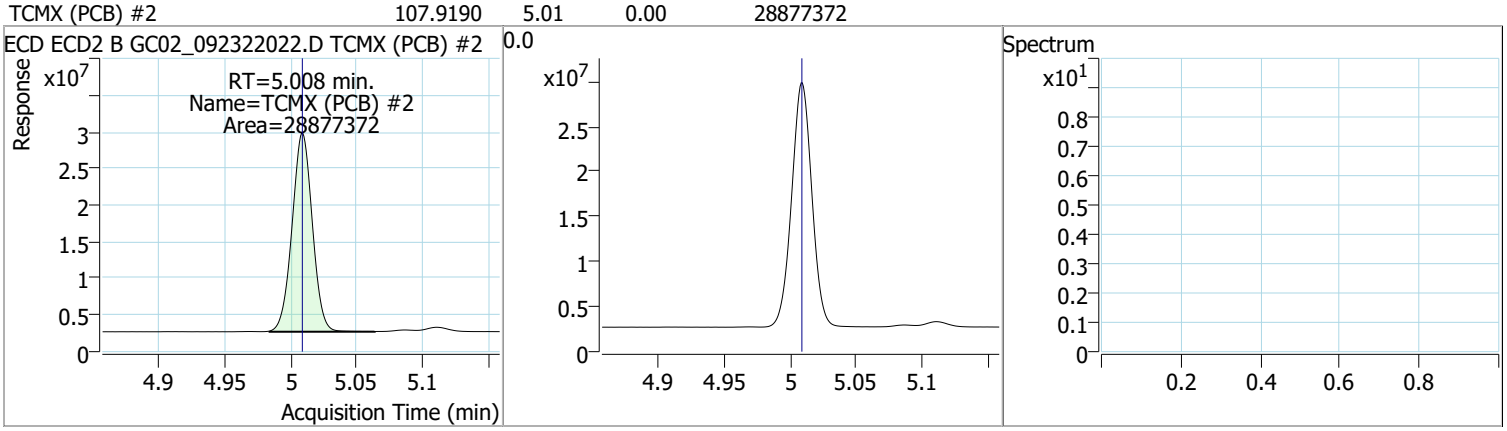
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.035	0.0	165933826.898	1488.7437	ng/ml		100
T AR1016 2	5.352	0.0	367403419.665	1528.9704	ng/ml		100
T AR1016 1 #2	5.465	0.0	7542636.362	1224.1969	ng/ml		100
T AR1016 3	5.783	0.0	649099380.817	1750.4001	ng/ml		100
T AR1016 2 #2	5.858	0.0	15861357.658	1224.7968	ng/ml		100
T AR1016 4	5.912	0.0	400217881.247	1633.4637	ng/ml		100
T AR1016 5	6.321	0.0	317619305.692	1610.8896	ng/ml		100
T AR1016 3 #2	6.348	0.0	20186478.180	1278.7417	ng/ml	m	100
T AR1016 4 #2	6.505	0.0	14310425.101	1261.1449	ng/ml		100
T AR1016 5 #2	7.111	0.0	12160172.288	1251.0505	ng/ml		100
T AR1260 1	7.978	0.0	626381766.008	1616.2748	ng/ml		100
T AR1260 2	8.503	0.0	1030462580.552	1640.7854	ng/ml		100
T AR1260 3	9.117	0.0	1183382903.692	1689.9454	ng/ml		100
T AR1260 1 #2	9.555	0.0	23440680.716	1211.7417	ng/ml	m	100
T AR1260 4	9.835	0.0	699794065.591	1787.0458	ng/ml		100
T AR1260 2 #2	9.931	0.0	27104294.838	1201.4899	ng/ml		100
T AR1260 3 #2	10.476	0.0	34331898.440	1244.1104	ng/ml		100
T AR1260 5	10.708	0.0	997367010.555	1856.5860	ng/ml		100
T AR1260 4 #2	10.968	0.0	20470871.005	1215.3424	ng/ml		100
T AR1260 5 #2	11.638	0.0	31327869.333	1239.4552	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

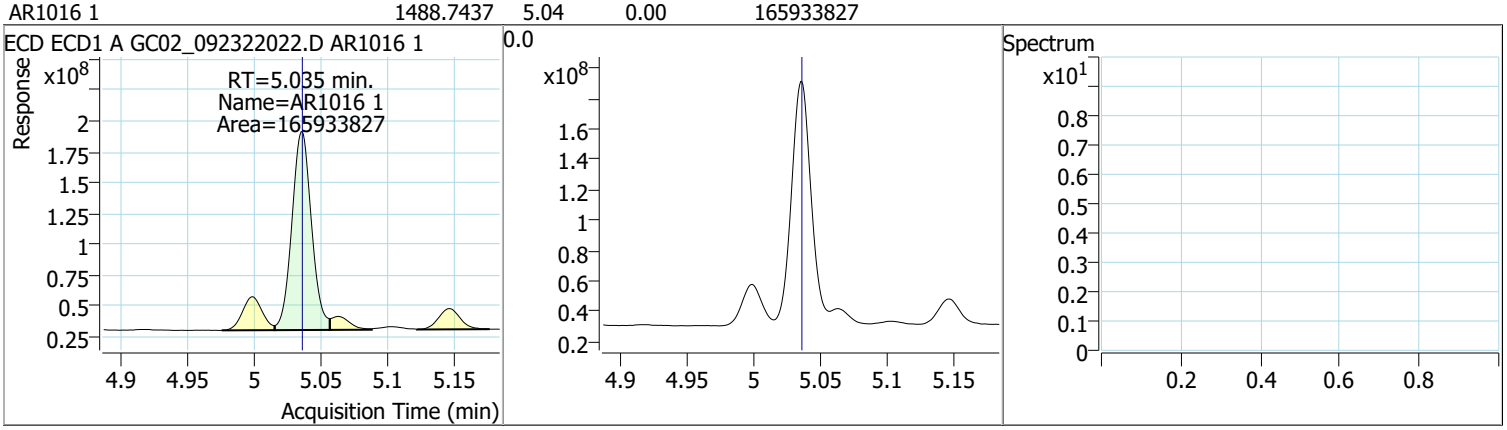
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	141.1601	4.71	0.00	1047361930				



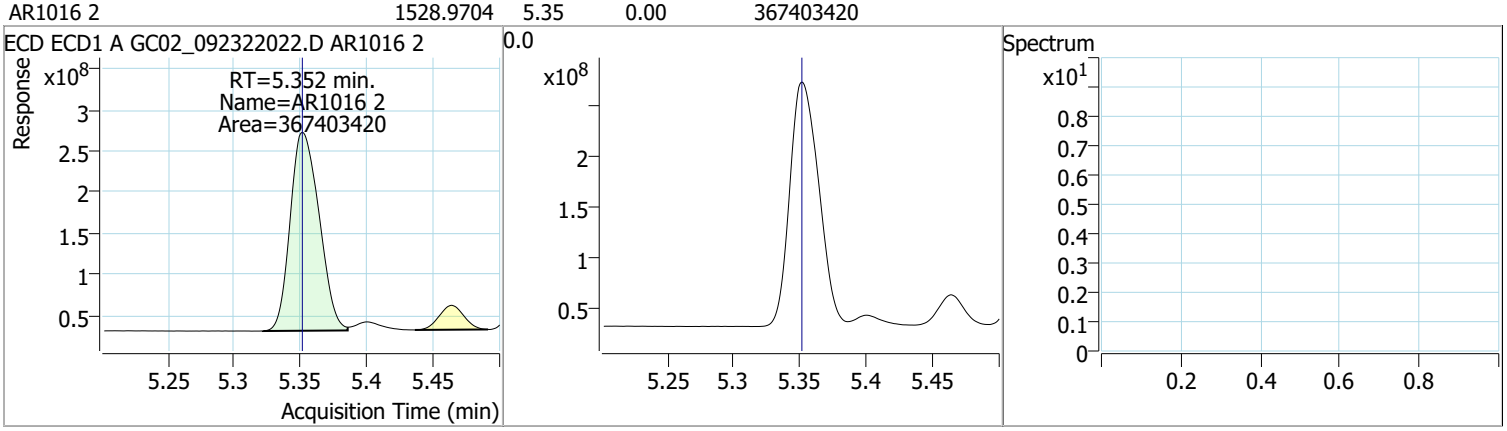
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	107.9190	5.01	0.00	28877372				



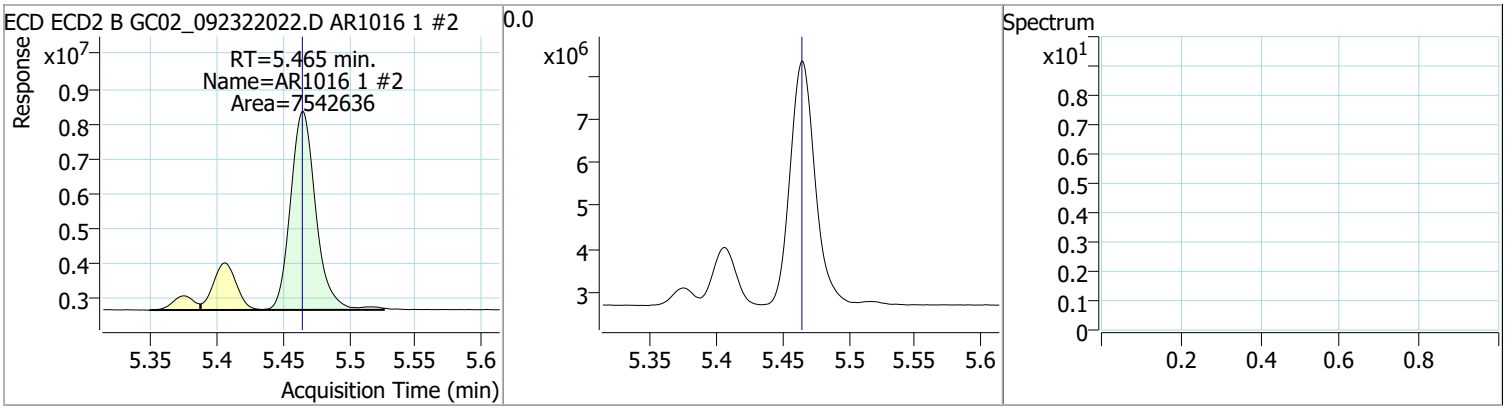
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1488.7437	5.04	0.00	165933827				



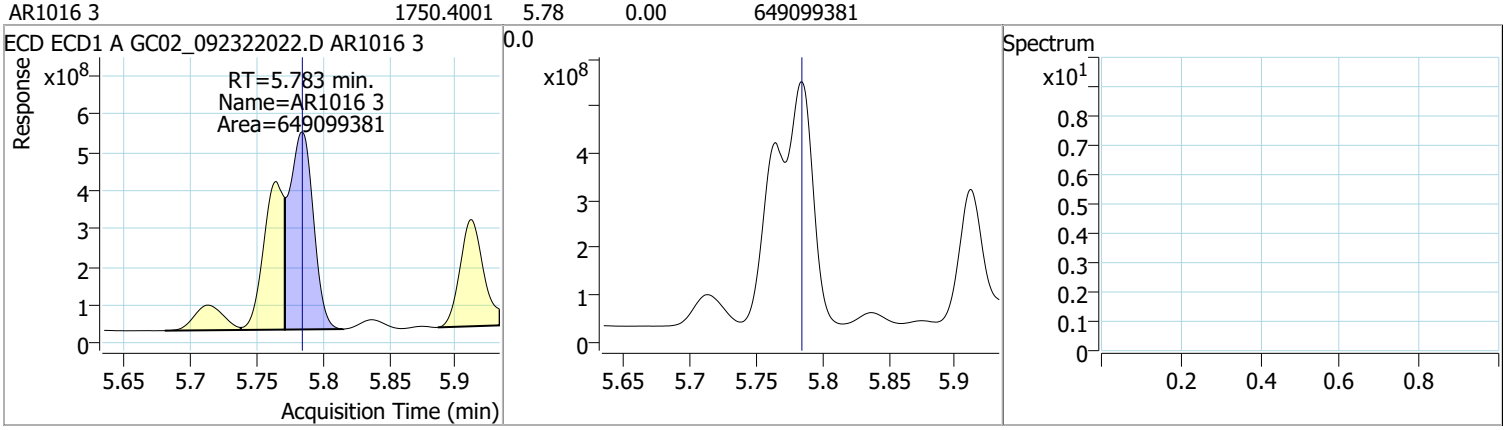
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1528.9704	5.35	0.00	367403420				



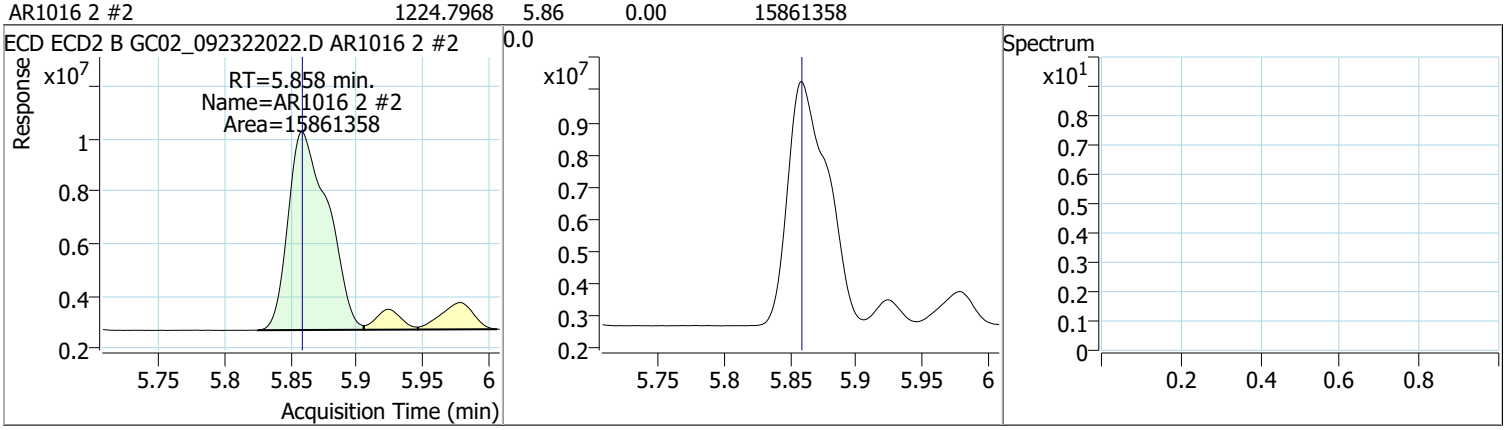
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1224.1969	5.47	0.00	7542636				



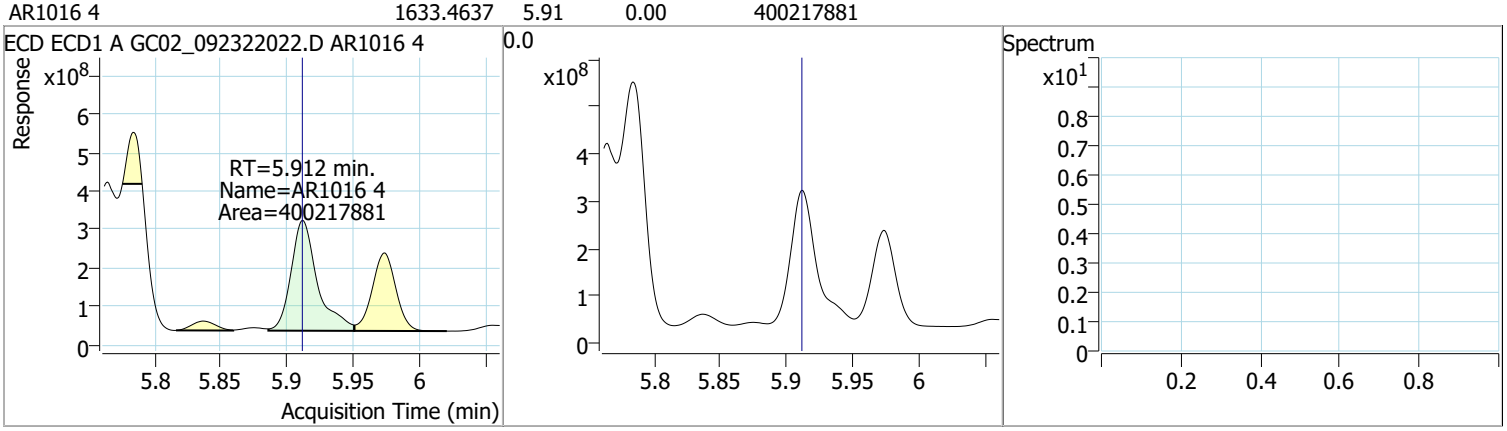
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1750.4001	5.78	0.00	649099381				



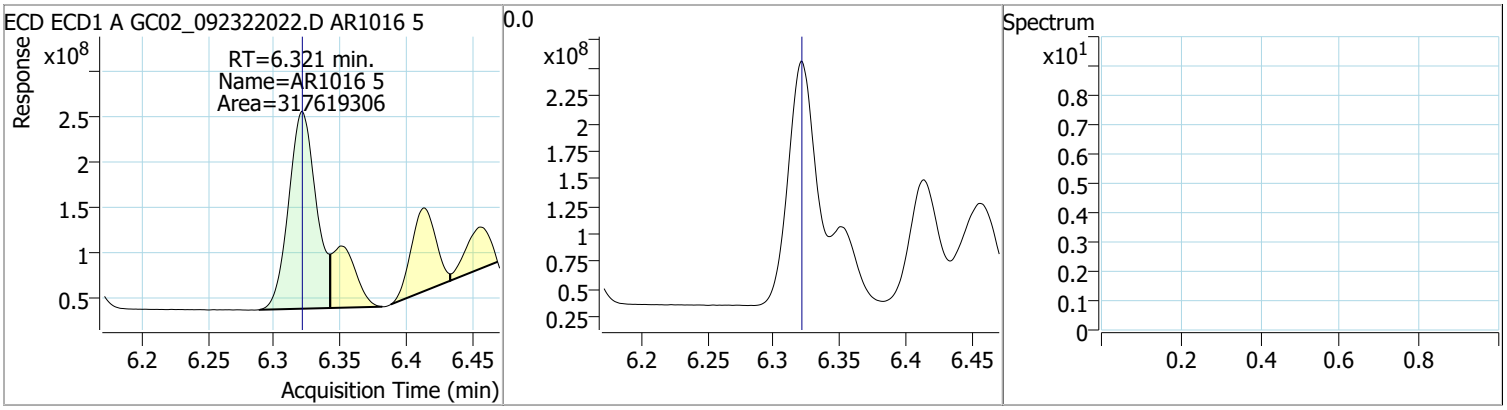
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1224.7968	5.86	0.00	15861358				



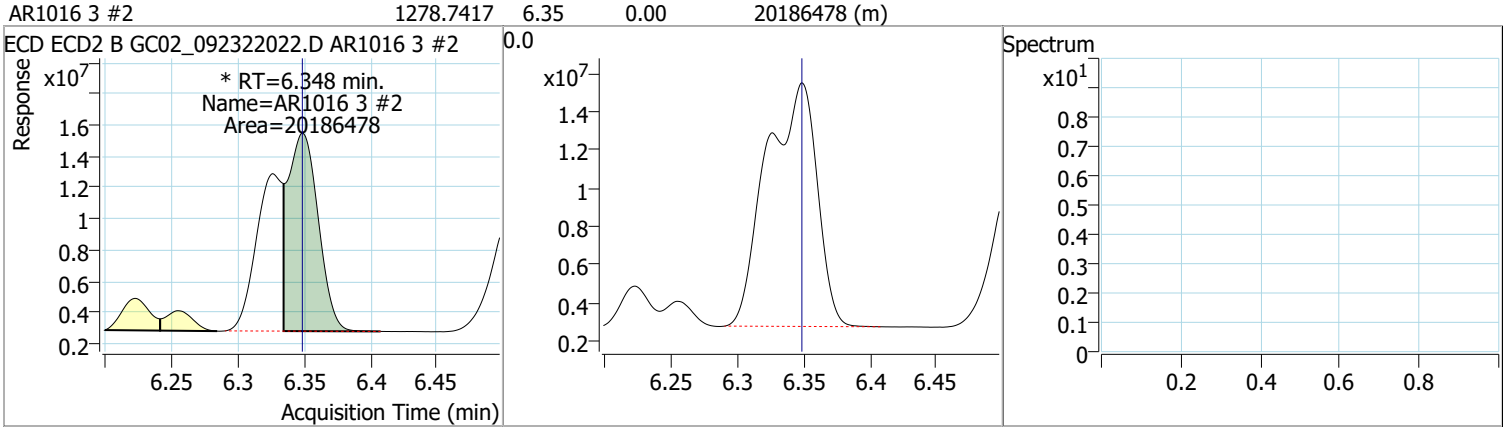
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1633.4637	5.91	0.00	400217881				



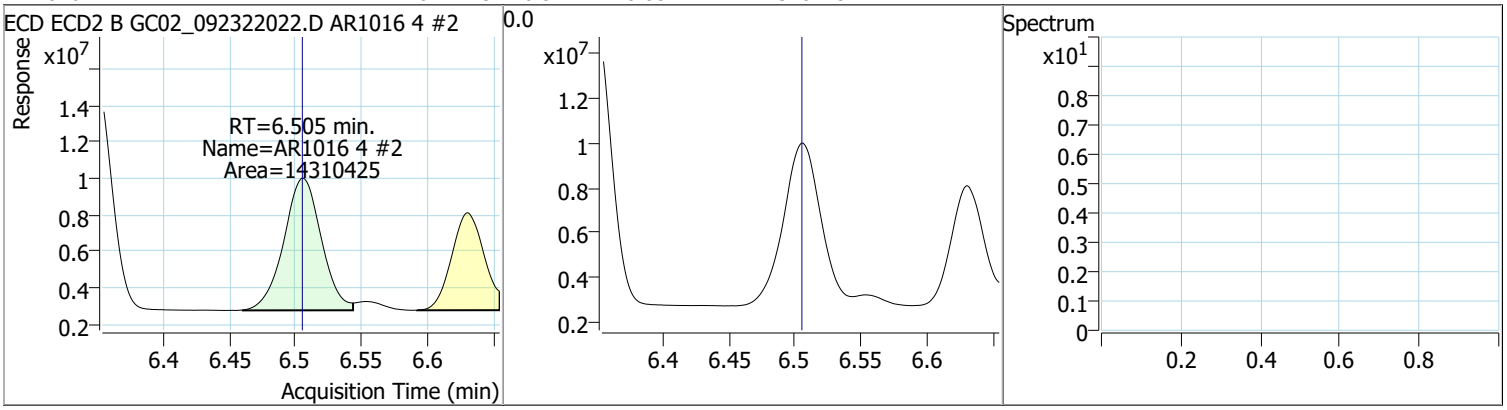
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1610.8896	6.32	0.00	317619306				



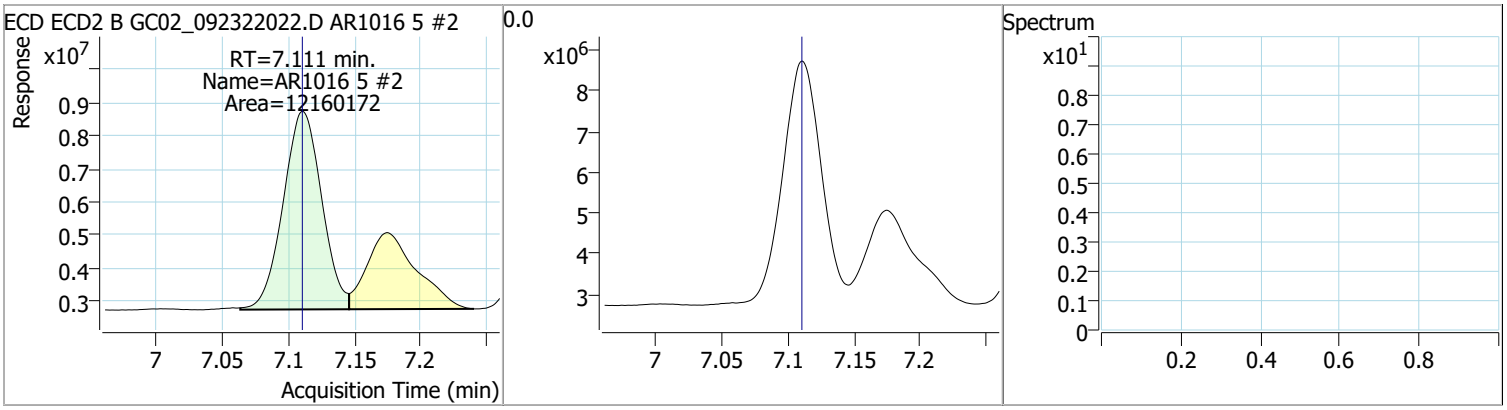
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1278.7417	6.35	0.00	20186478 (m)				



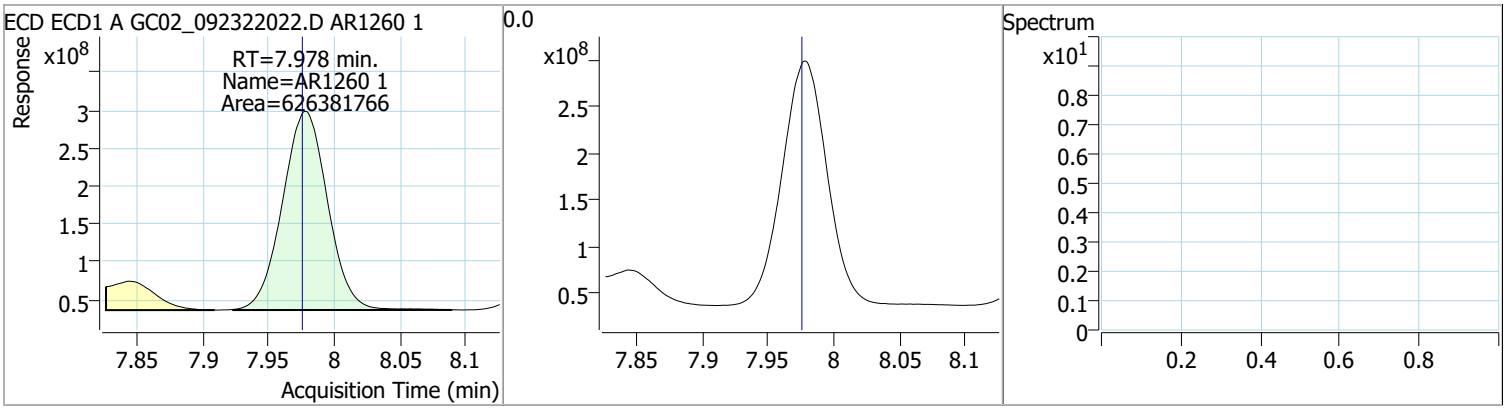
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1261.1449	6.51	0.00	14310425				



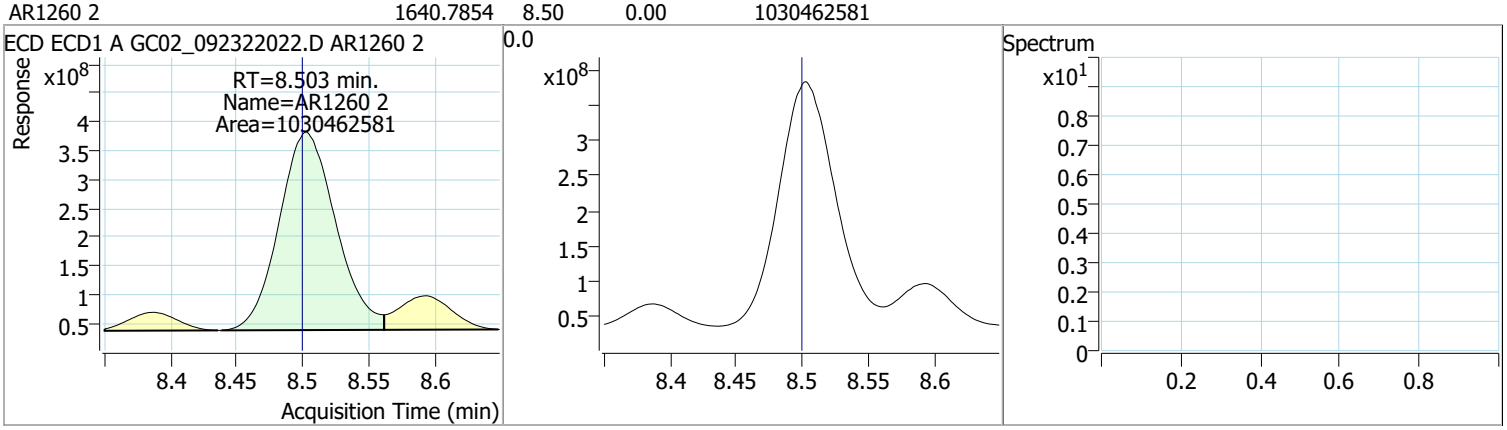
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1251.0505	7.11	0.00	12160172				



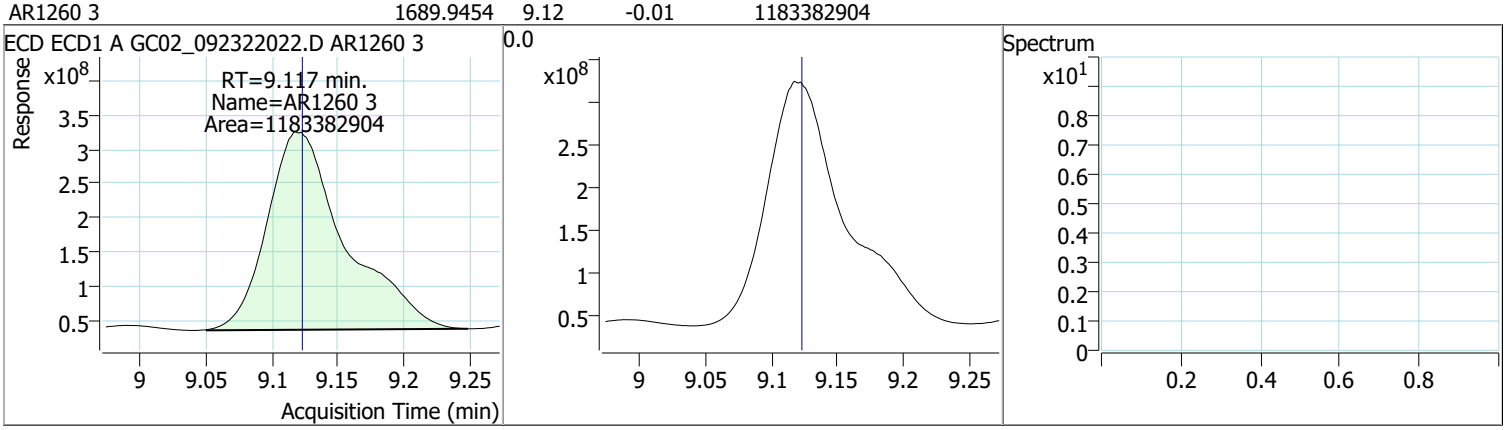
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1616.2748	7.98	0.00	626381766				



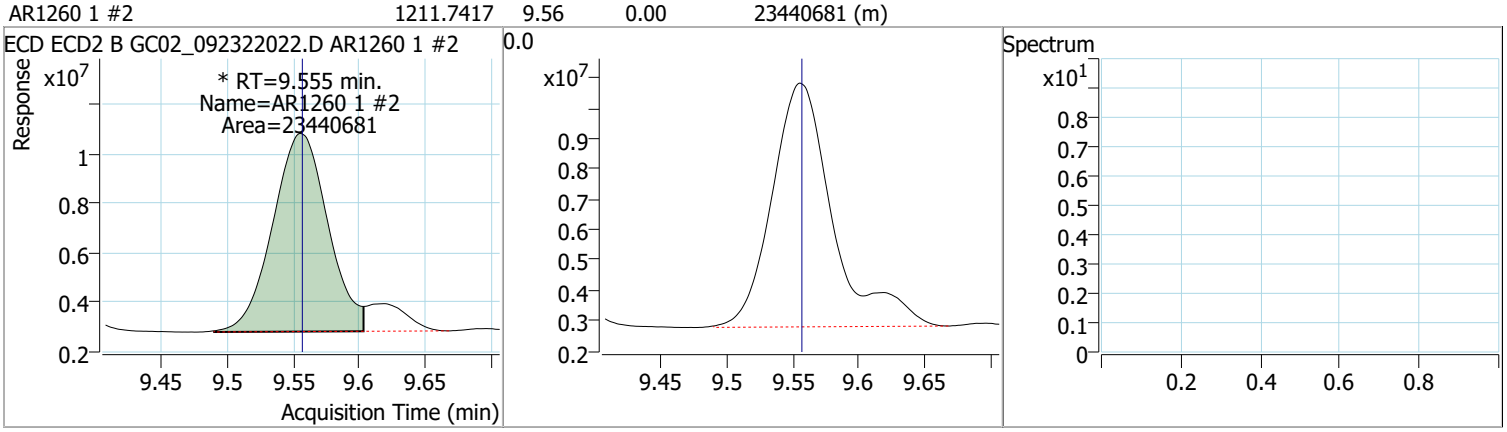
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1640.7854	8.50	0.00	1030462581				



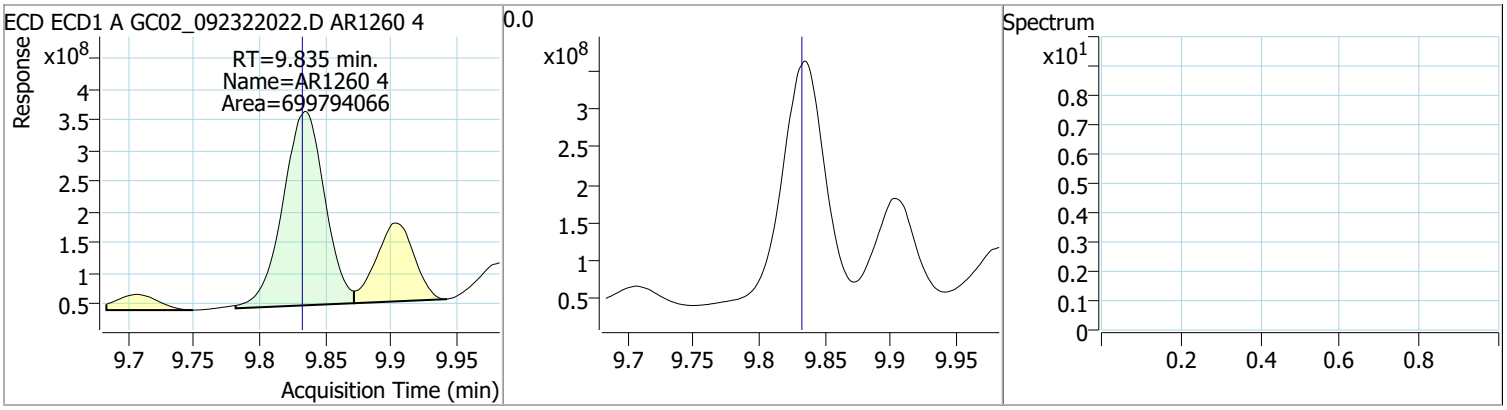
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1689.9454	9.12	-0.01	1183382904				



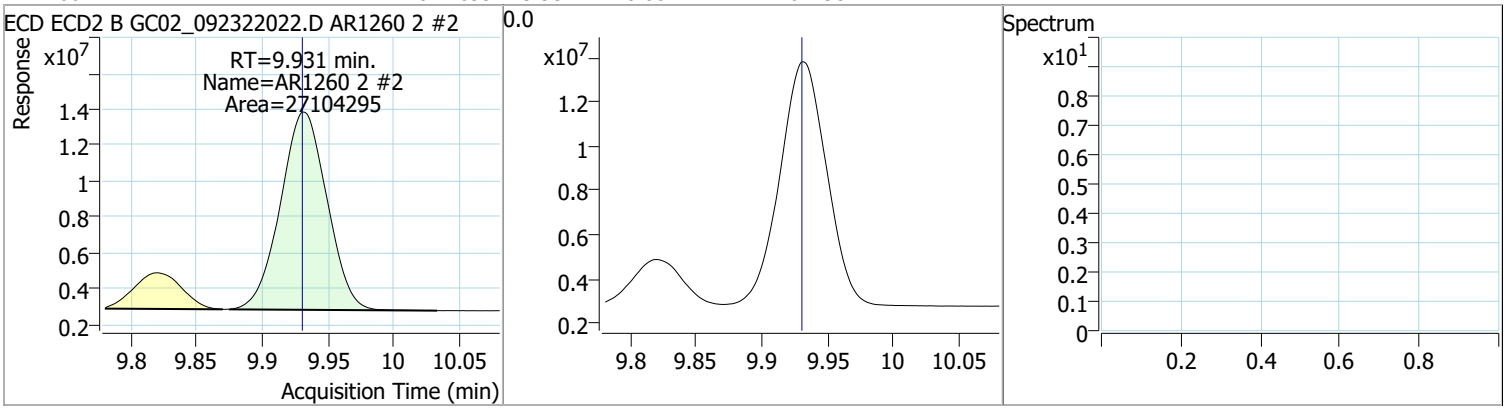
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1211.7417	9.56	0.00	23440681 (m)				



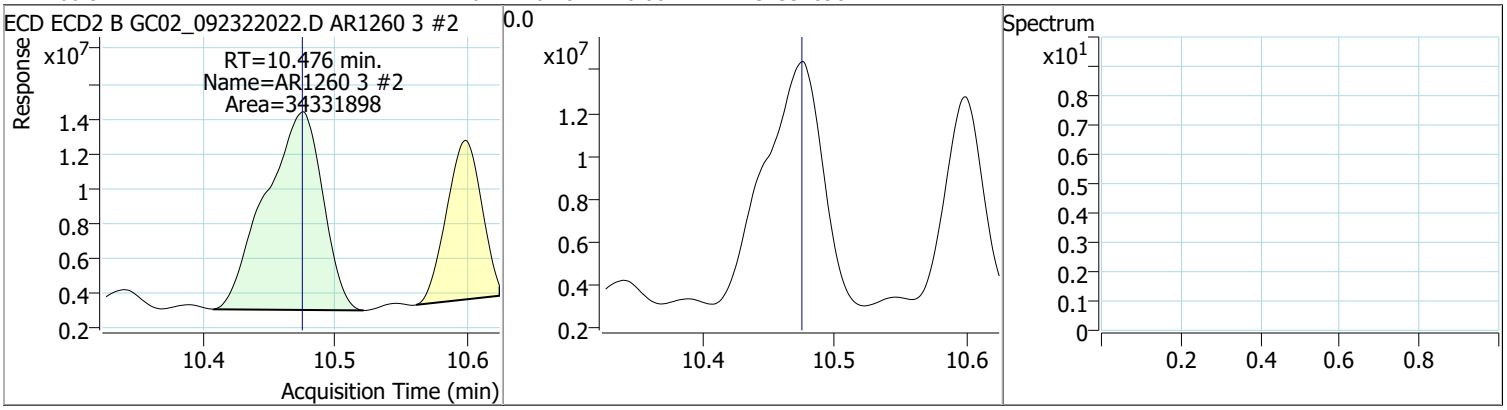
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1787.0458	9.84	0.00	699794066				



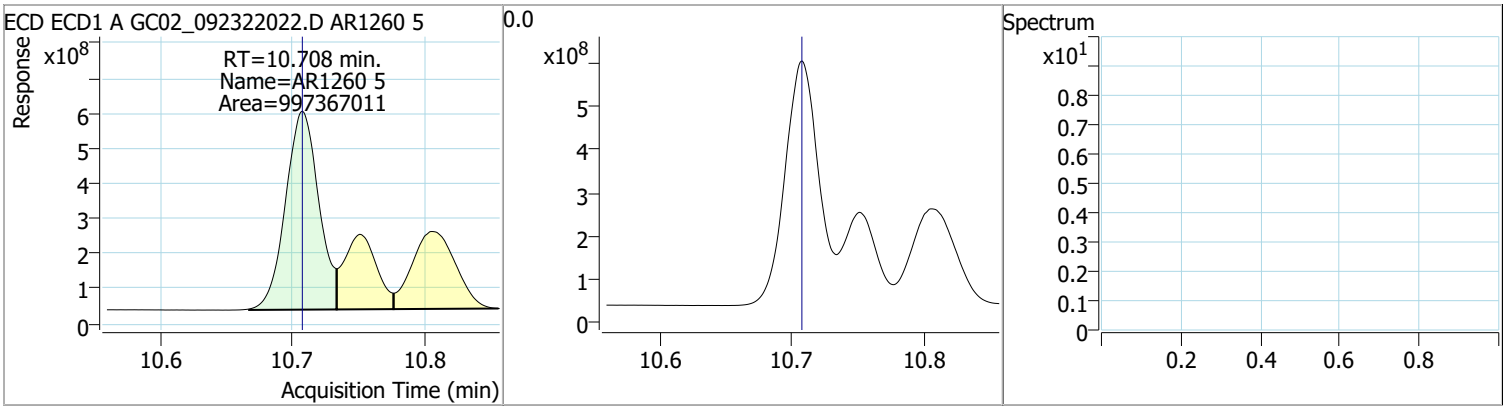
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1201.4899	9.93	0.00	27104295				



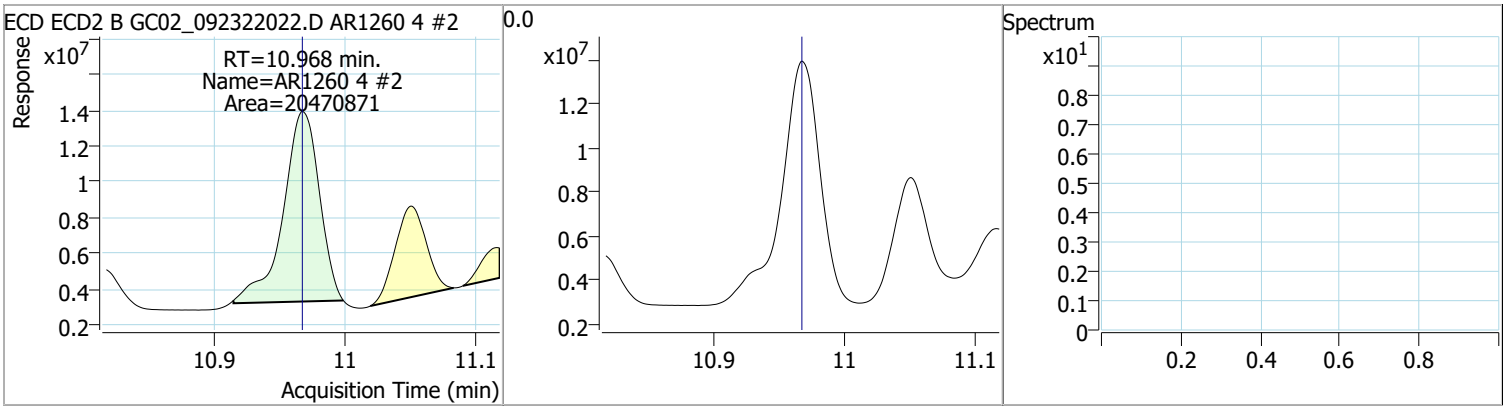
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1244.1104	10.48	0.00	34331898				



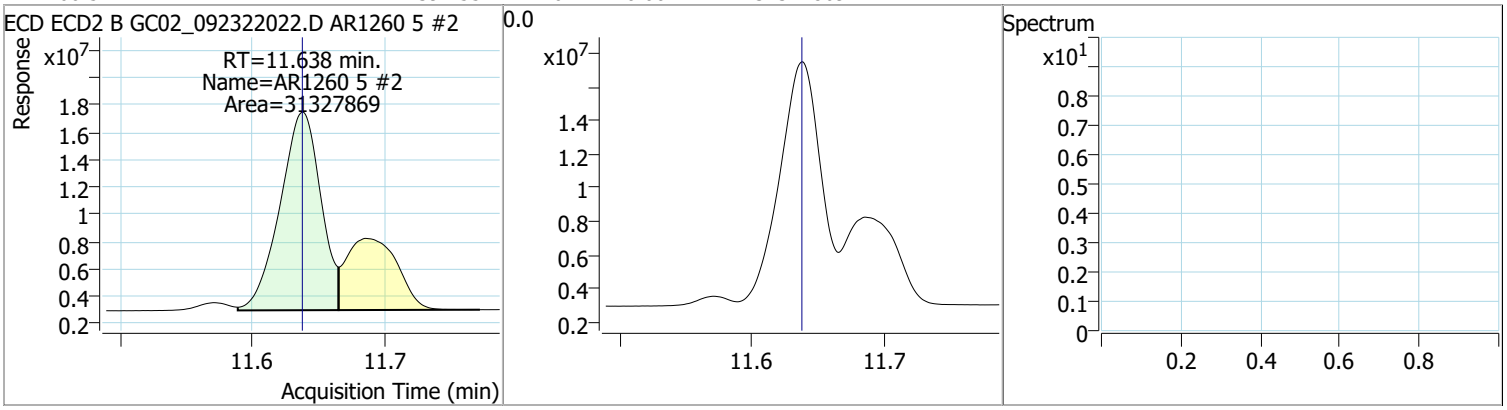
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1856.5860	10.71	0.00	997367011				



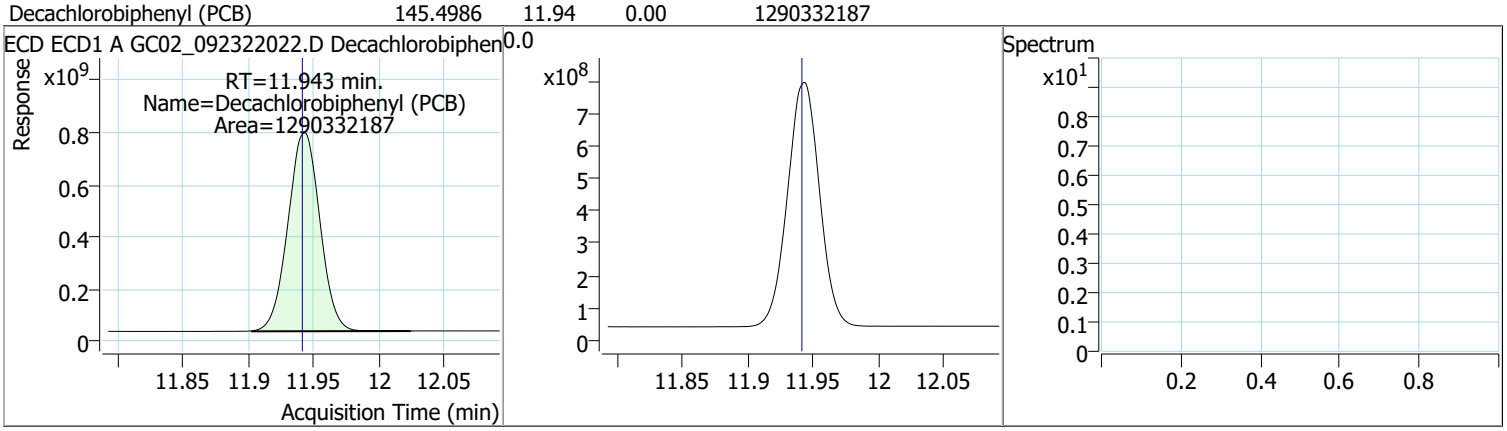
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1215.3424	10.97	0.00	20470871				



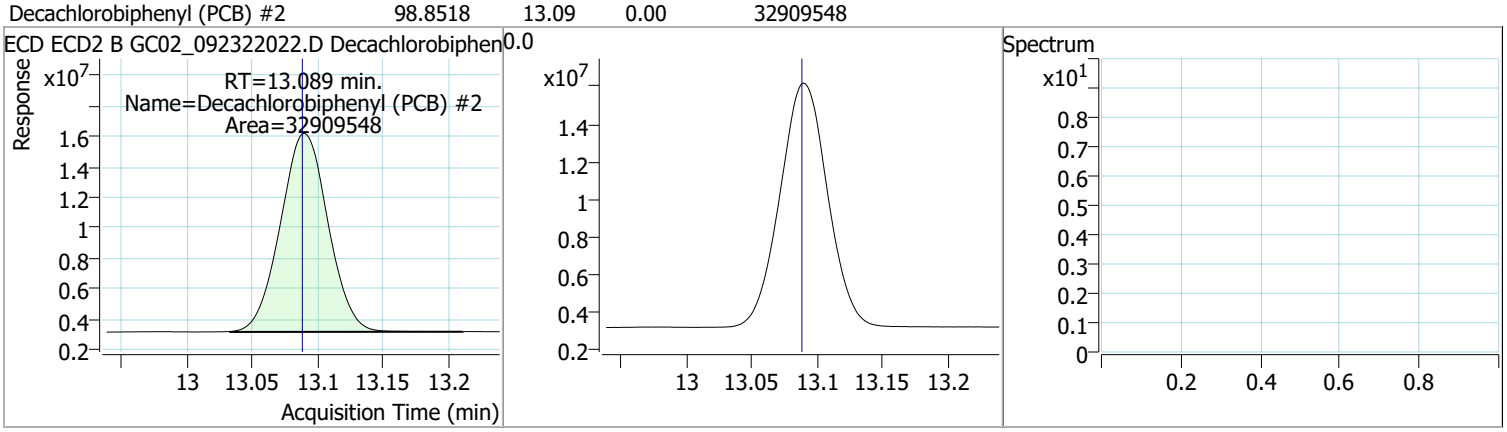
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1239.4552	11.64	0.00	31327869				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	145.4986	11.94	0.00	1290332187				

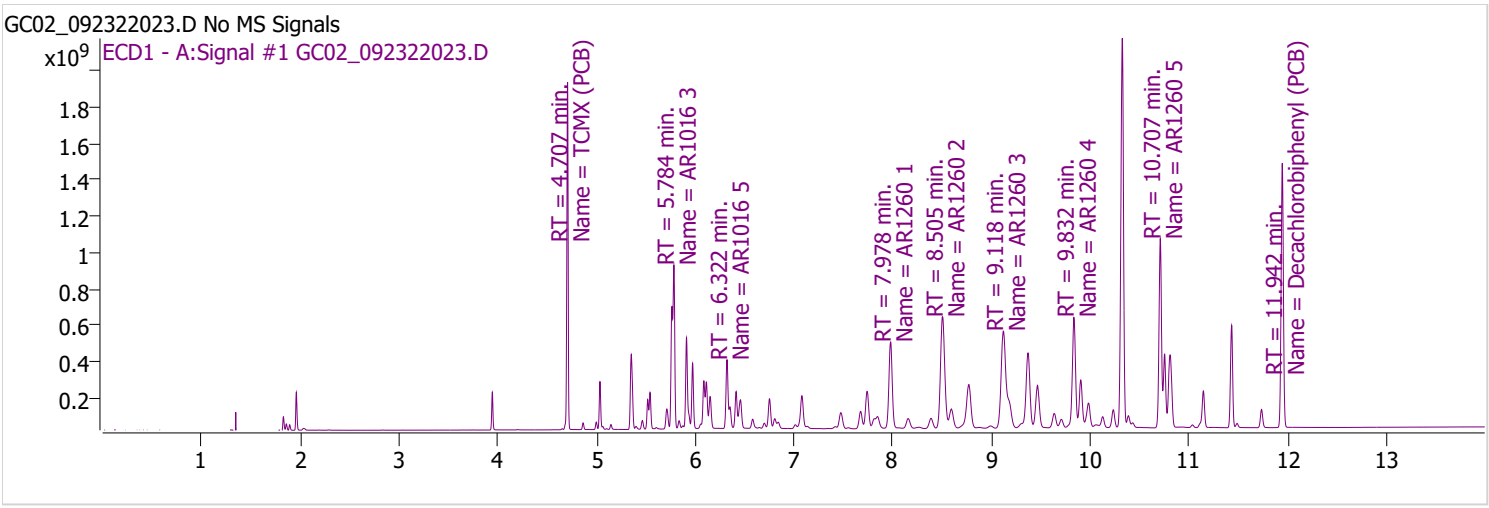


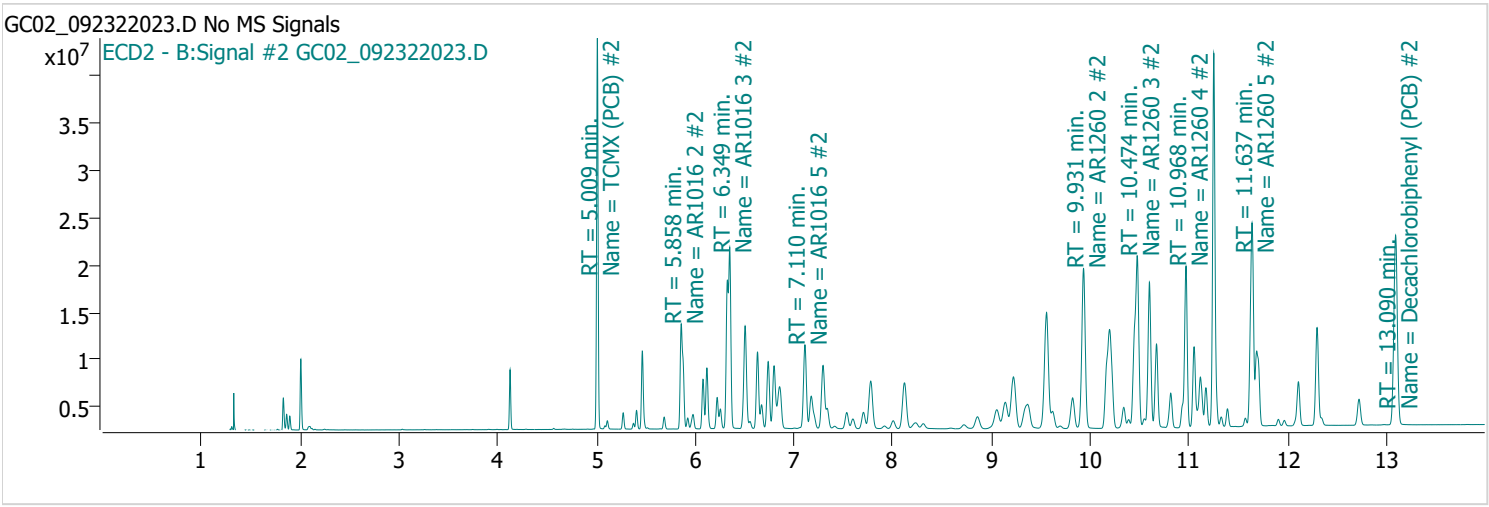
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	98.8518	13.09	0.00	32909548				



Quantitation Results Report (Not Reviewed)

Data File	GC02_092322023.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/23/2022 5:17:41 PM
Sample Name	ICAL, S17271	Instrument	SVOA-GC02
Vial	19	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	PCB 2000 PPB
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



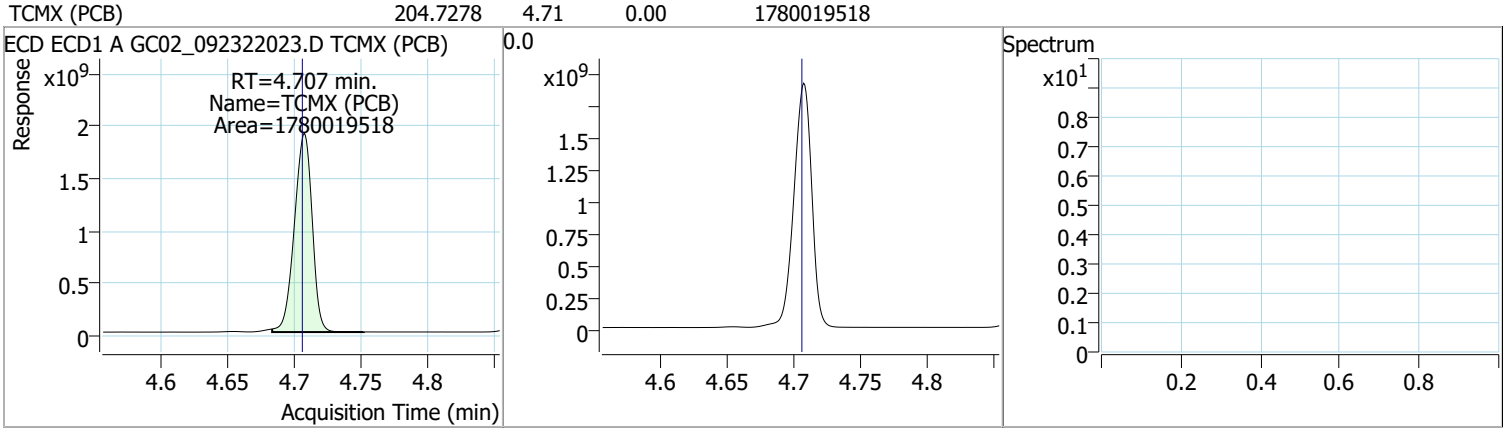


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	179194885.849	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	5827251.606	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.707	0.0	1780019517.579	204.7278	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 1023.64%		*	
S TCMX (PCB) #2	5.009	0.0	44142958.560	145.9021	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 729.51%		*	
S Decachlorobiphenyl (PCB)	11.942	0.0	2331607398.842	224.3620	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 1121.81%		*	
S Decachlorobiphenyl (PCB) #2	13.090	0.0	49908803.235	132.5865	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 662.93%		*	
Target Compounds							QValue

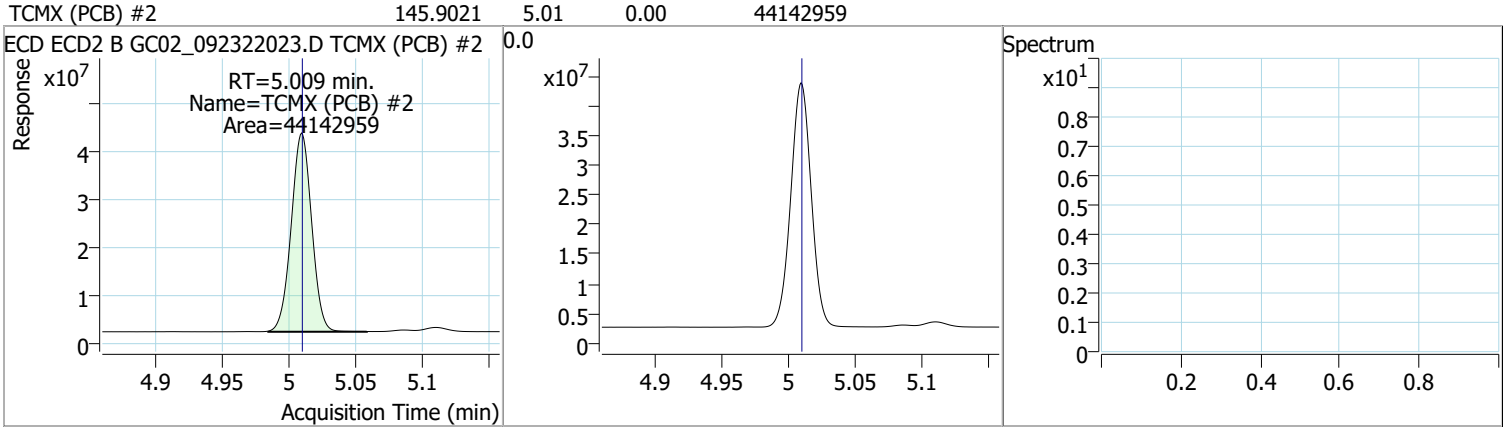
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.035	0.0	268847830.898	2058.3930	ng/ml		100
T AR1016 2	5.352	0.0	606890072.219	2155.2749	ng/ml		100
T AR1016 1 #2	5.464	0.0	11026839.132	1582.8461	ng/ml		100
T AR1016 3	5.784	0.0	1092997864.074	2515.2560	ng/ml		100
T AR1016 2 #2	5.858	0.0	23259858.111	1588.5112	ng/ml		100
T AR1016 4	5.912	0.0	685250230.234	2386.7060	ng/ml		100
T AR1016 5	6.322	0.0	549340162.559	2377.5901	ng/ml		100
T AR1016 3 #2	6.349	0.0	30235557.842	1693.9470	ng/ml	m	100
T AR1016 4 #2	6.505	0.0	21233814.115	1655.0076	ng/ml		100
T AR1016 5 #2	7.110	0.0	18039688.876	1641.4351	ng/ml		100
T AR1260 1	7.978	0.0	1107612123.732	2438.9367	ng/ml		100
T AR1260 2	8.505	0.0	1825505072.747	2480.5007	ng/ml		100
T AR1260 3	9.118	0.0	2122257775.198	2586.3201	ng/ml		100
T AR1260 1 #2	9.557	0.0	35182431.447	1608.5154	ng/ml	m	100
T AR1260 4	9.832	0.0	1277564629.438	2784.1015	ng/ml		100
T AR1260 2 #2	9.931	0.0	40712744.995	1596.1436	ng/ml		100
T AR1260 3 #2	10.474	0.0	52233344.113	1674.0502	ng/ml		100
T AR1260 5	10.707	0.0	1807325181.650	2870.9994	ng/ml		100
T AR1260 4 #2	10.968	0.0	30808558.567	1617.6824	ng/ml		100
T AR1260 5 #2	11.637	0.0	48144509.151	1684.6368	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

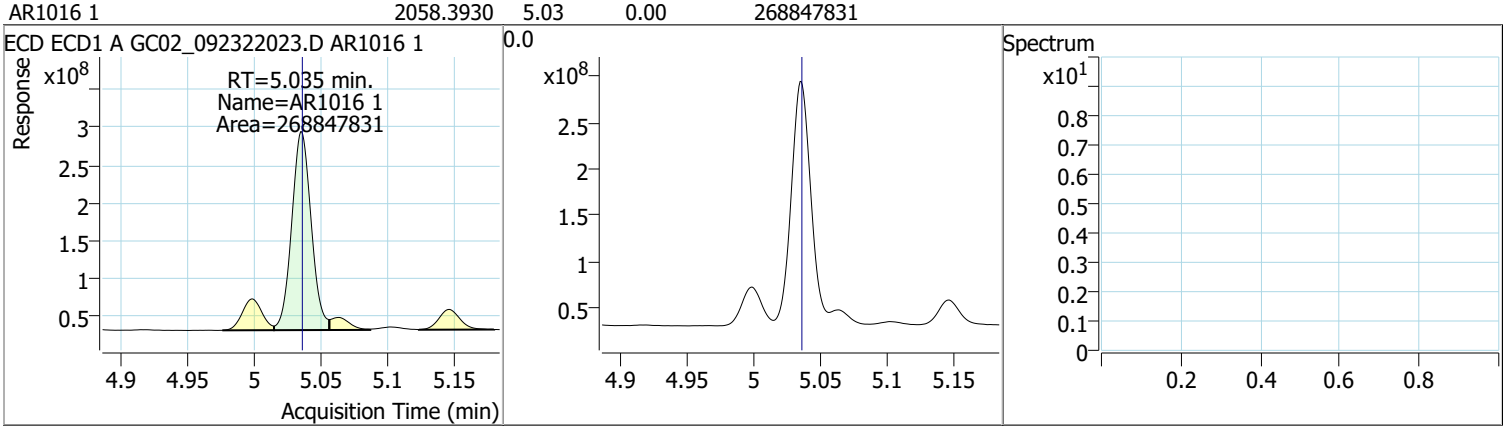
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	204.7278	4.71	0.00	1780019518				



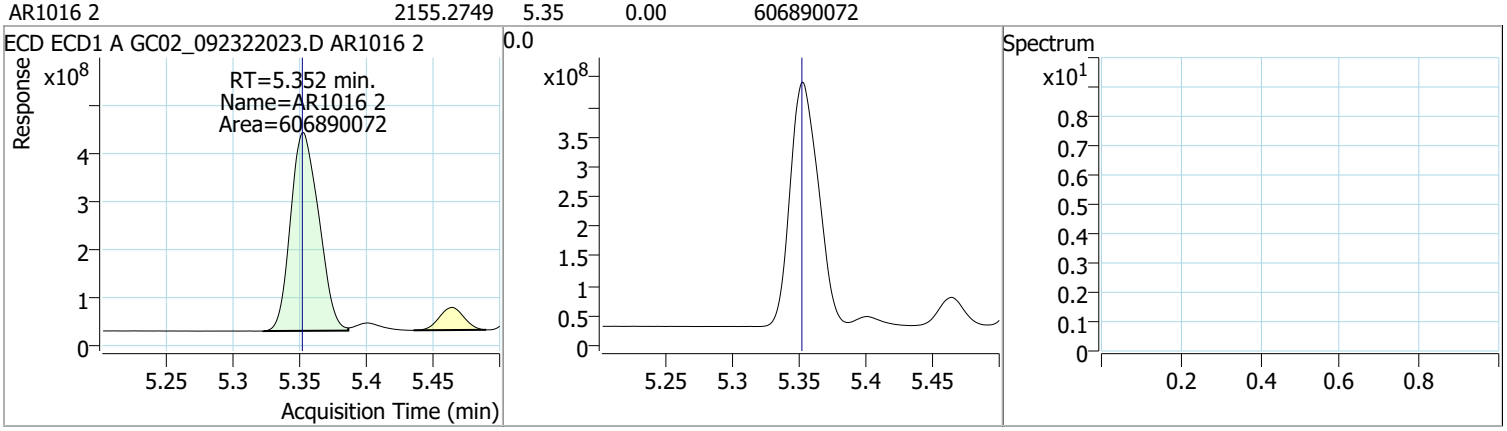
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	145.9021	5.01	0.00	44142959				



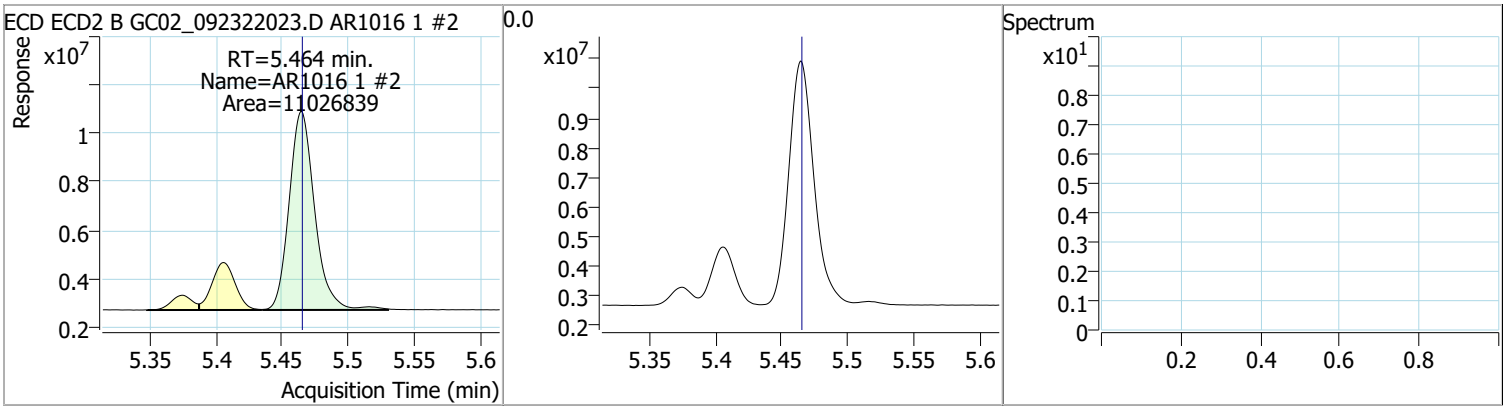
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	2058.3930	5.03	0.00	268847831				



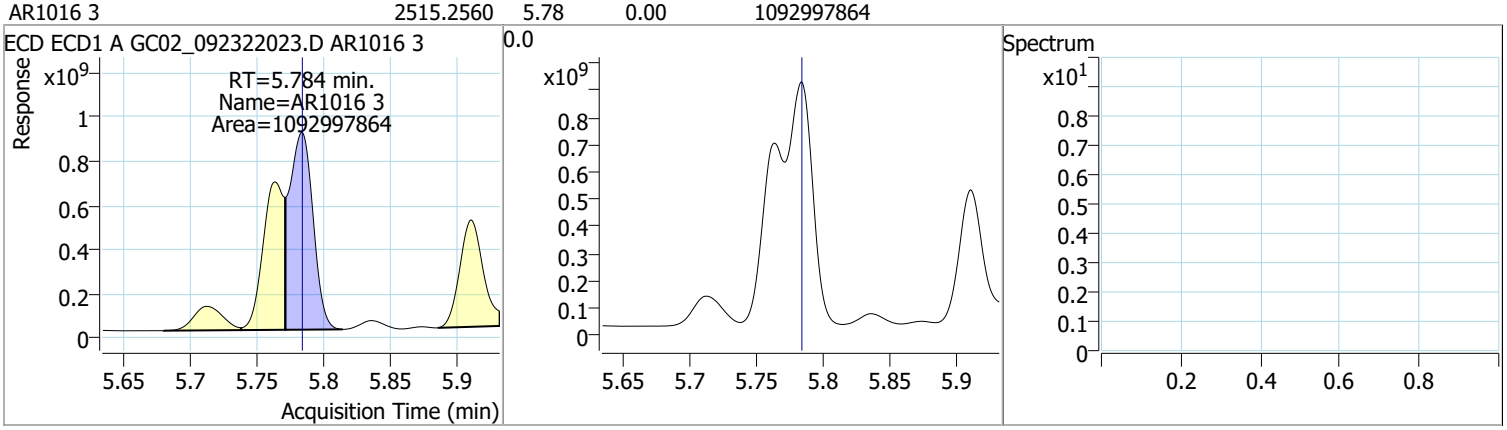
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	2155.2749	5.35	0.00	606890072				



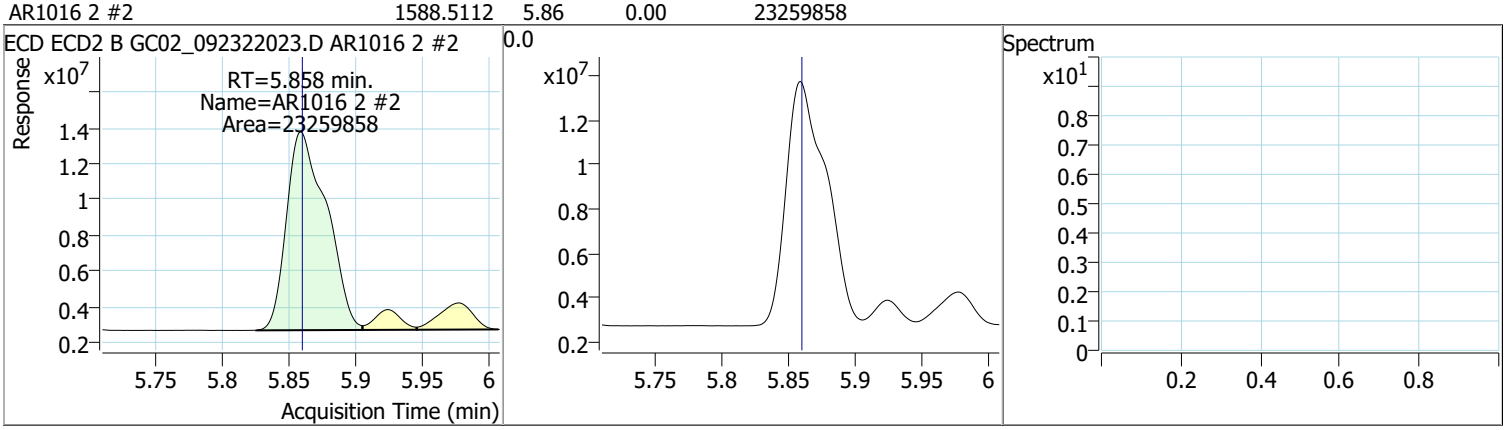
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1582.8461	5.46	0.00	11026839				



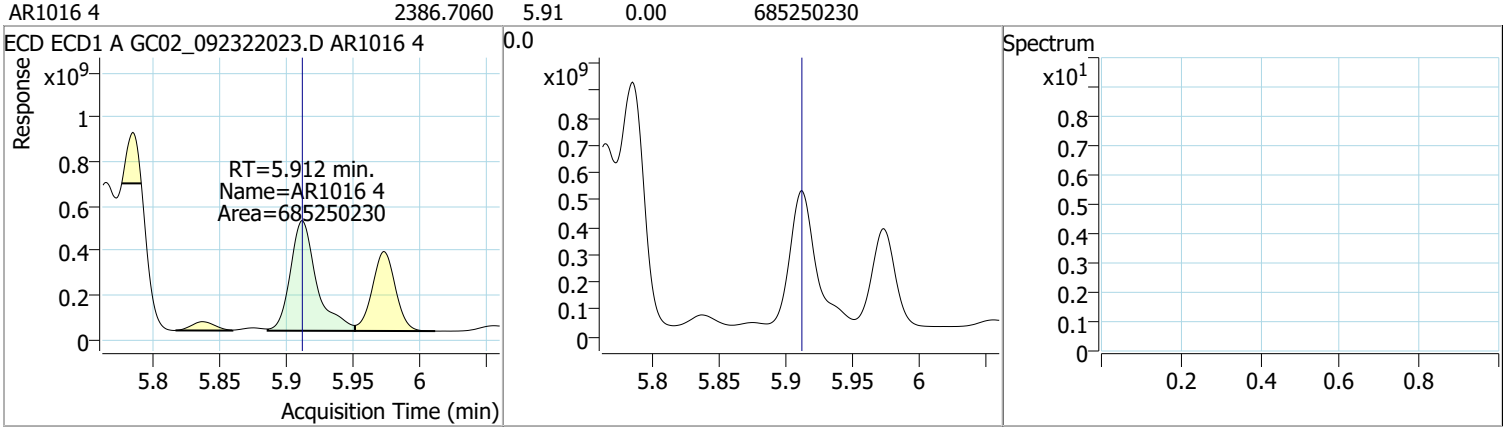
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	2515.2560	5.78	0.00	1092997864				



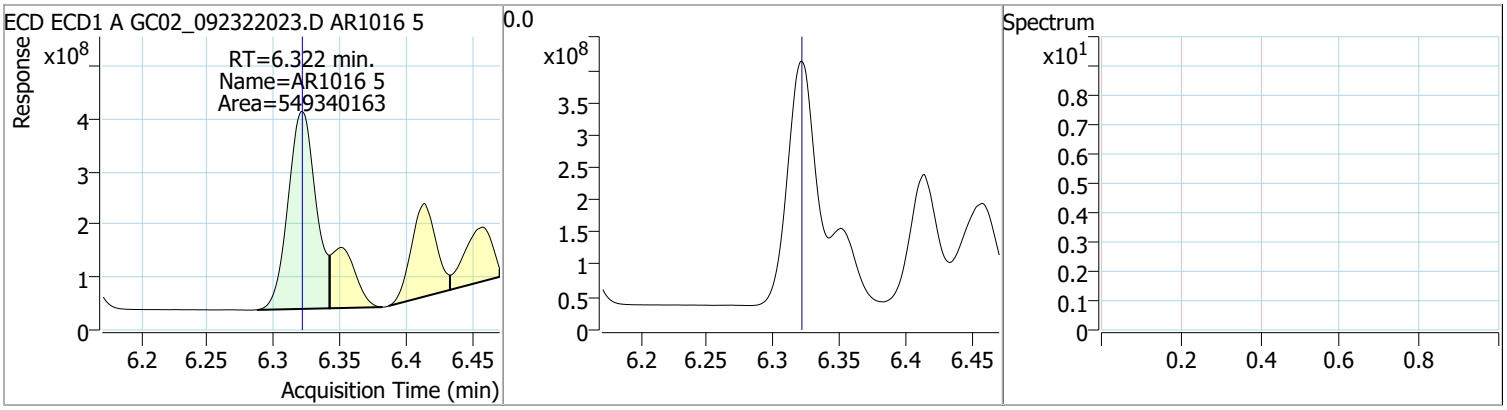
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1588.5112	5.86	0.00	23259858				



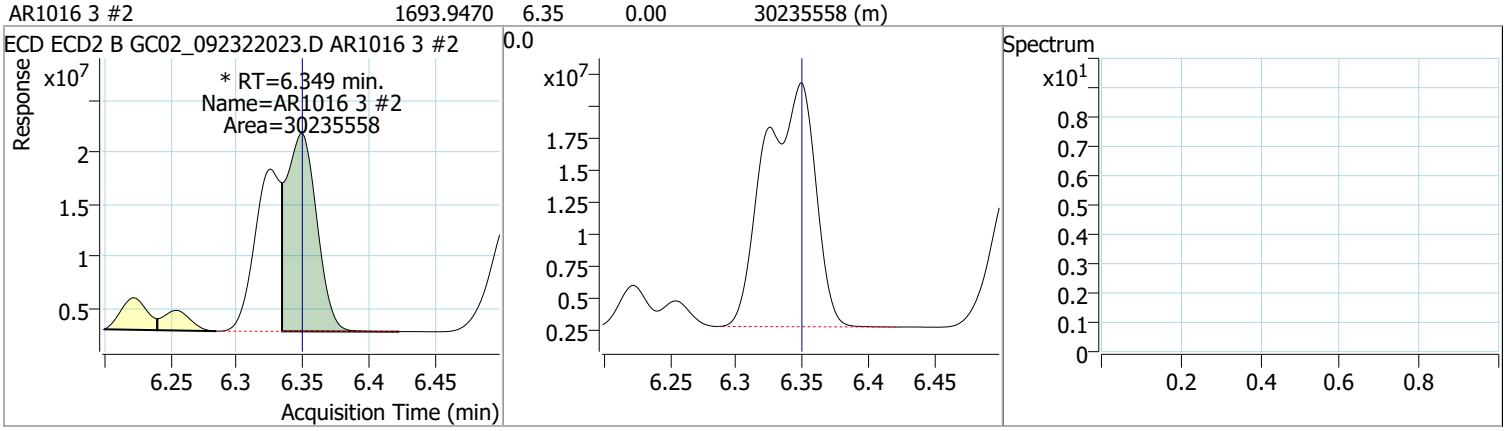
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2386.7060	5.91	0.00	685250230				



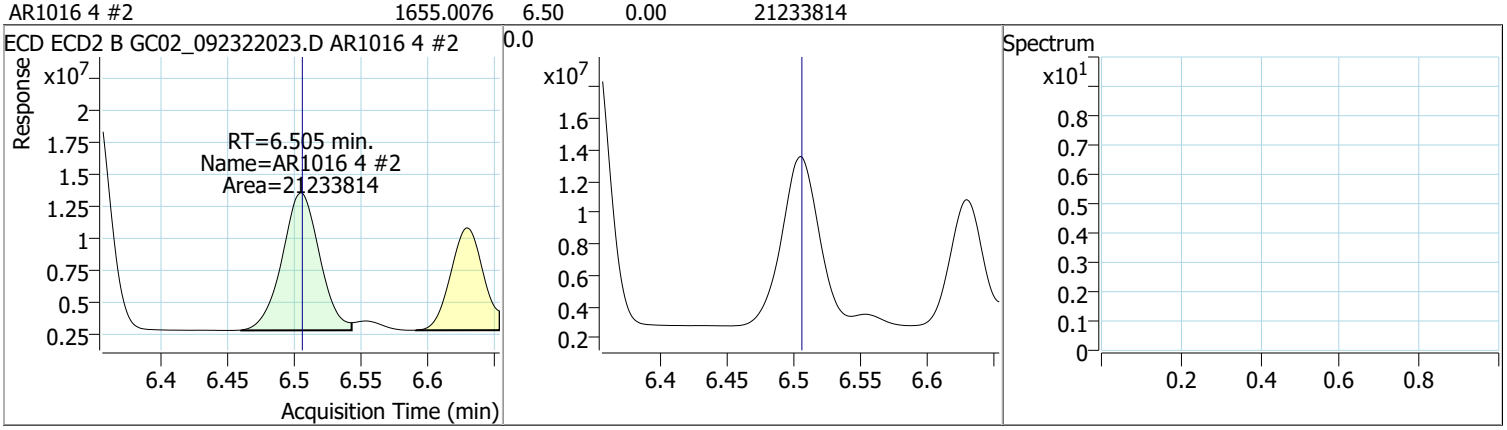
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	2377.5901	6.32	0.00	549340163				



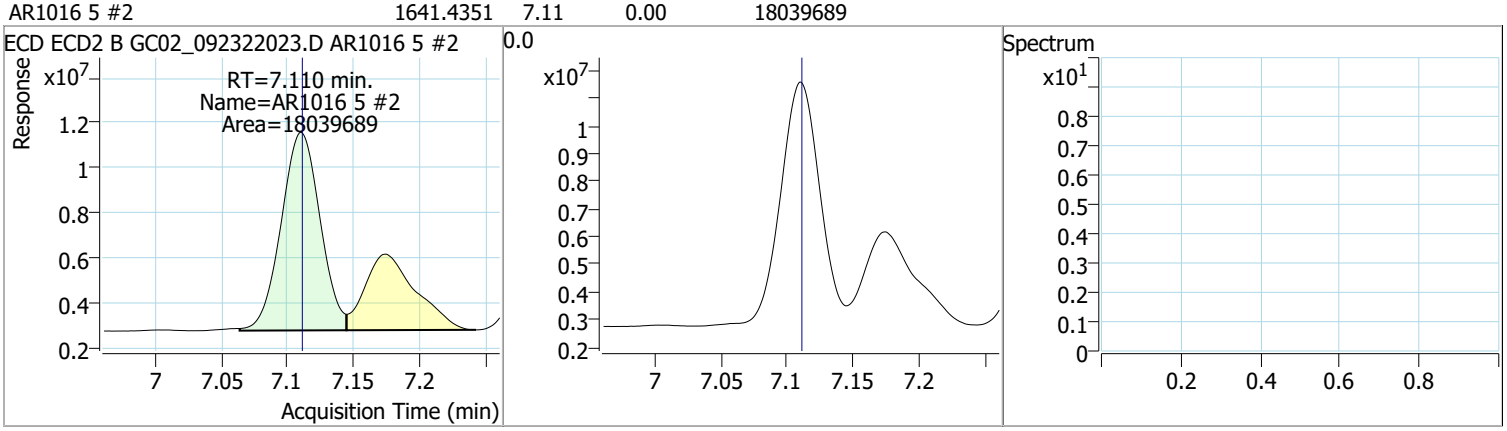
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1693.9470	6.35	0.00	30235558 (m)				



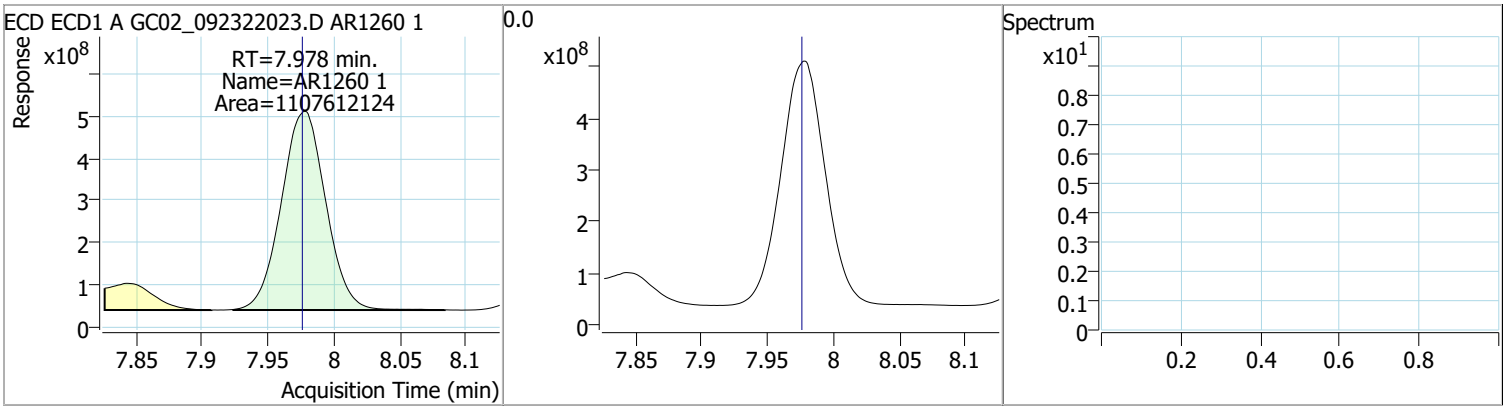
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1655.0076	6.50	0.00	21233814				



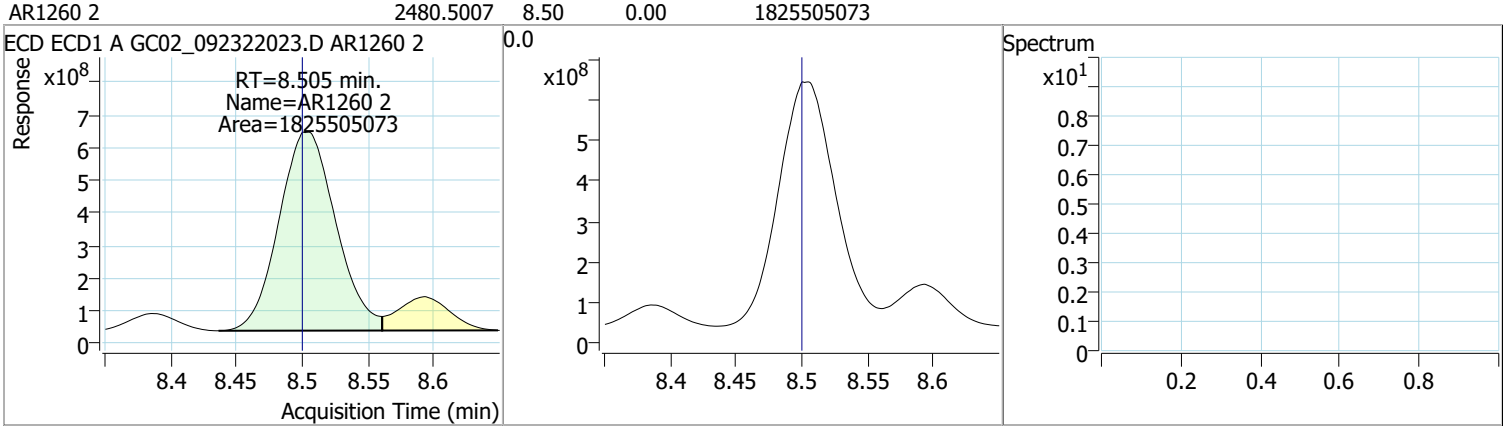
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1641.4351	7.11	0.00	18039689				



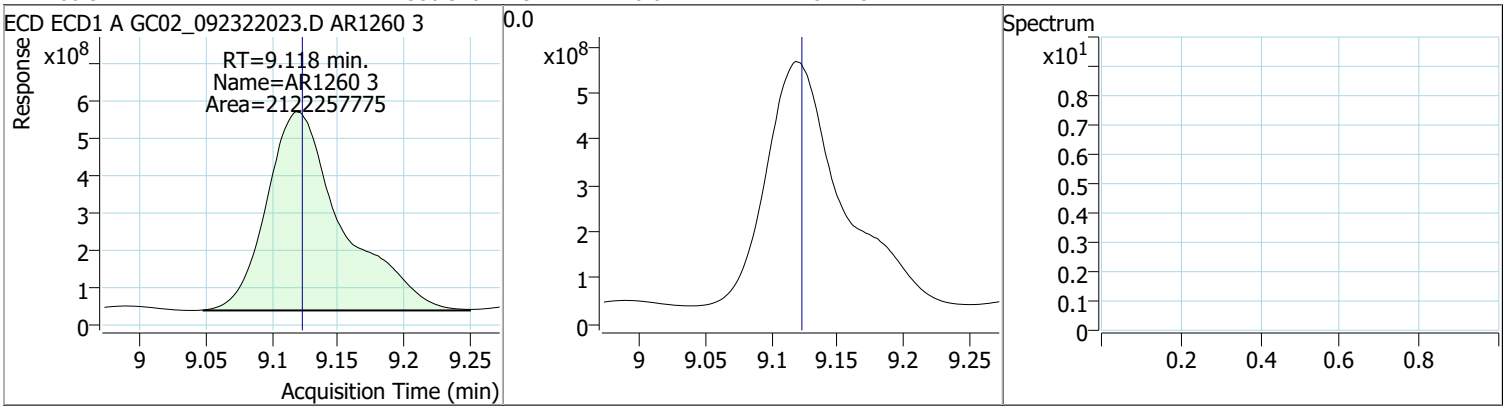
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	2438.9367	7.98	0.00	1107612124				



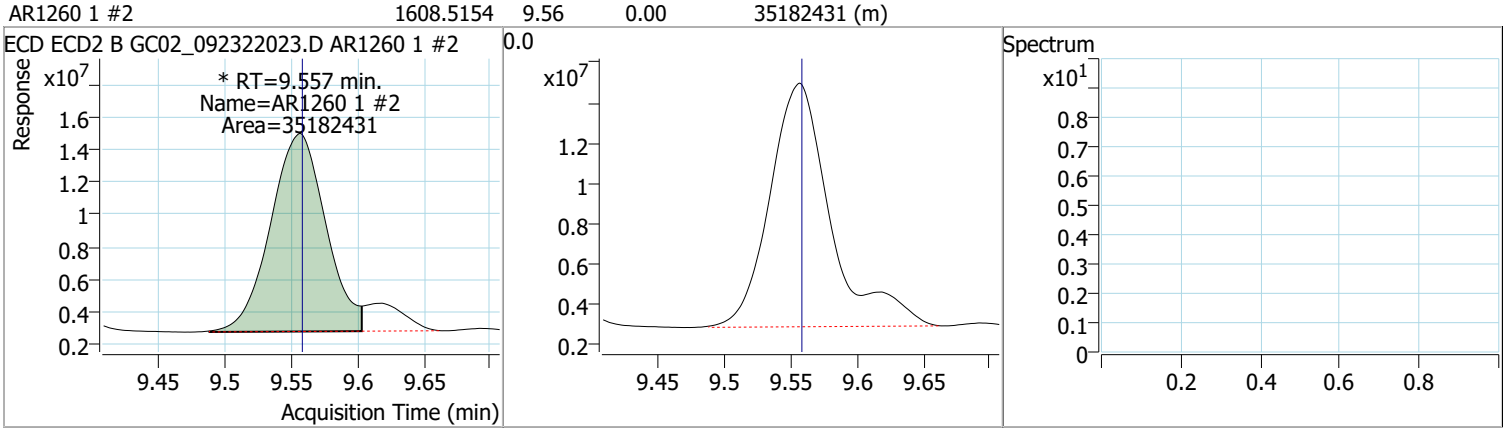
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2480.5007	8.50	0.00	1825505073				



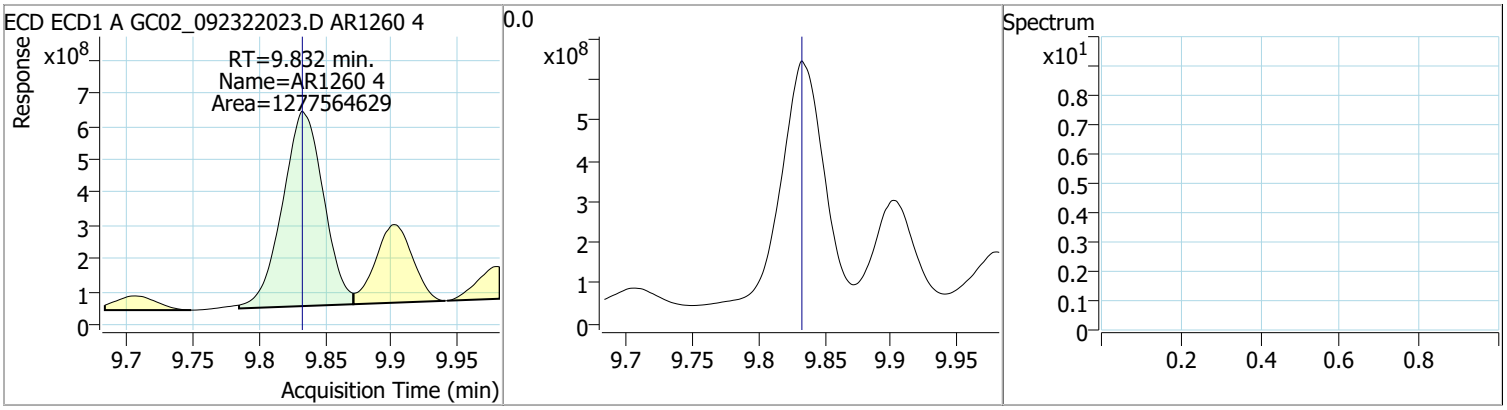
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2586.3201	9.12	-0.01	2122257775				



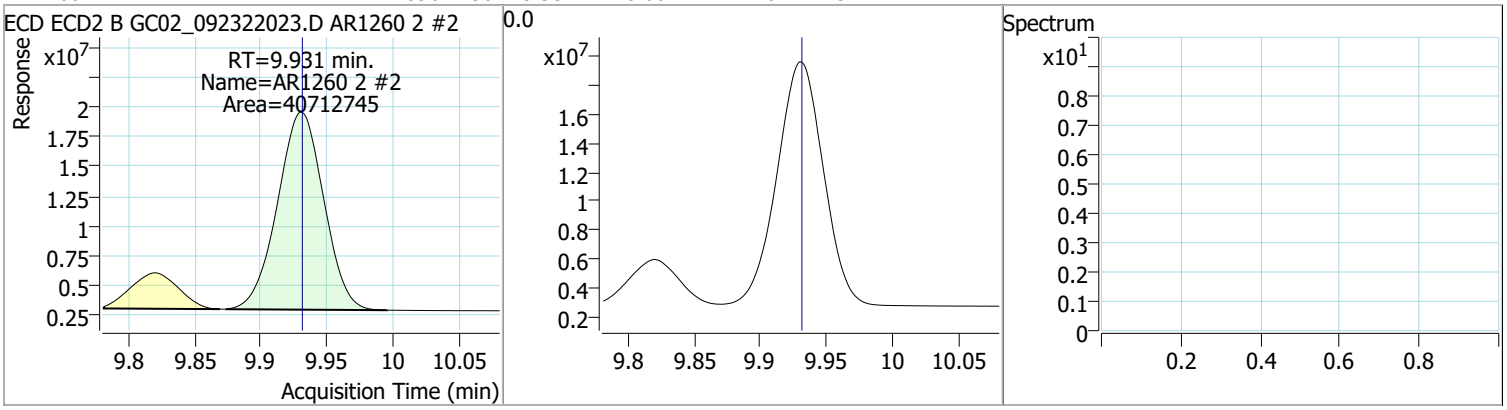
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1608.5154	9.56	0.00	35182431 (m)				



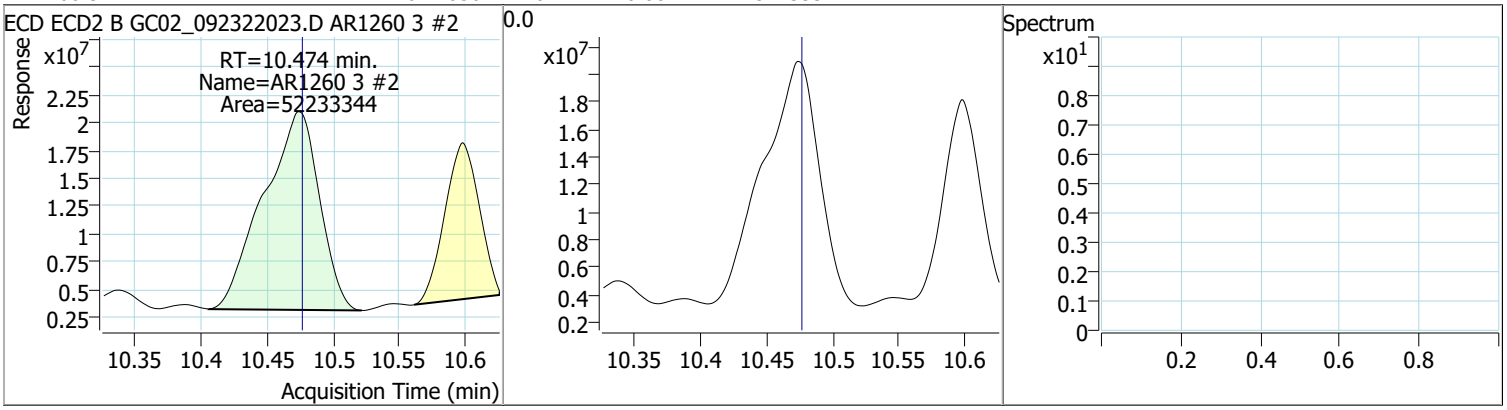
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	2784.1015	9.83	0.00	1277564629				



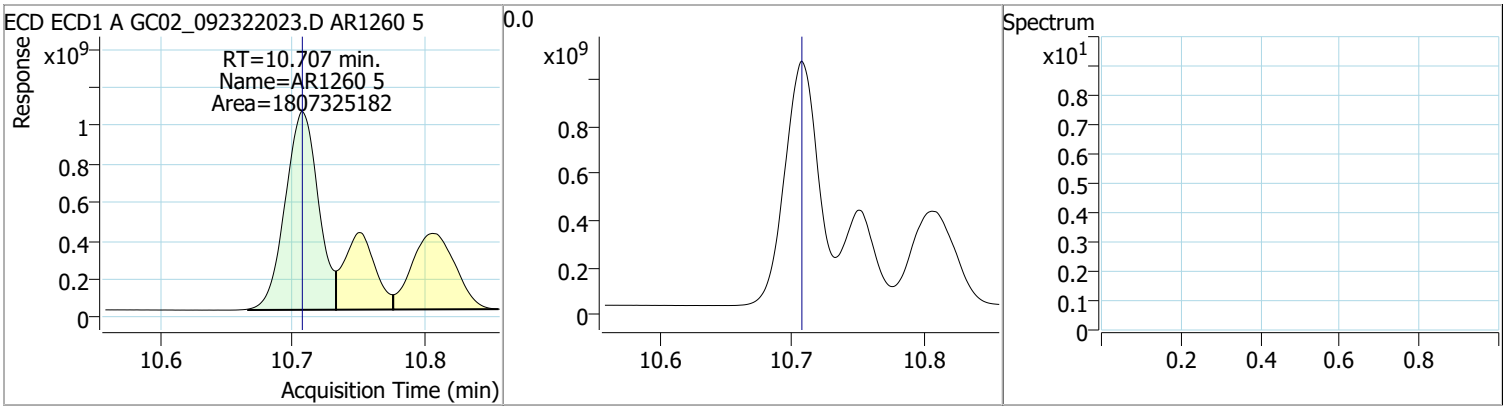
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1596.1436	9.93	0.00	40712745				



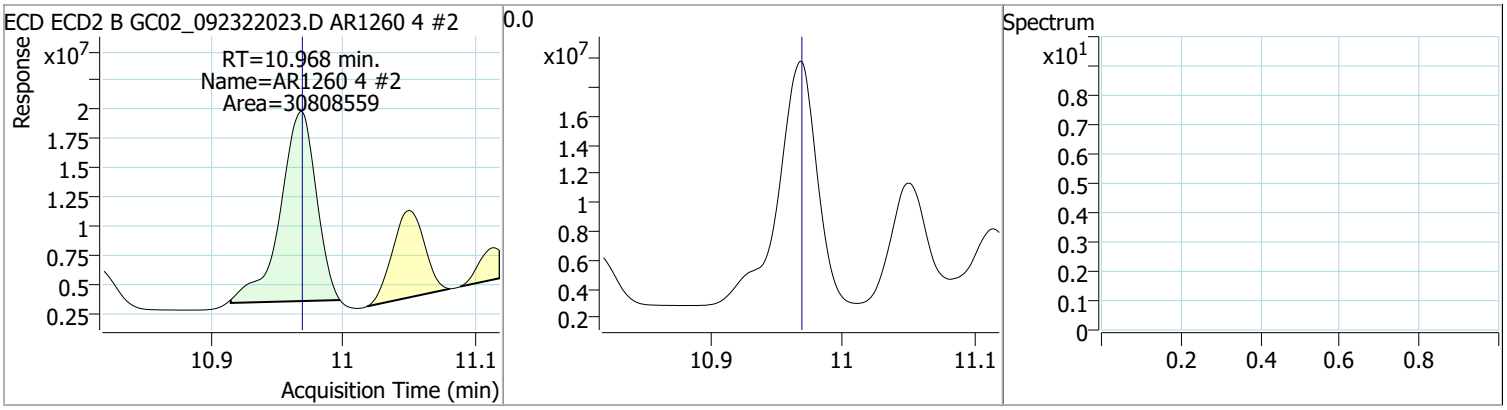
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1674.0502	10.47	0.00	52233344				



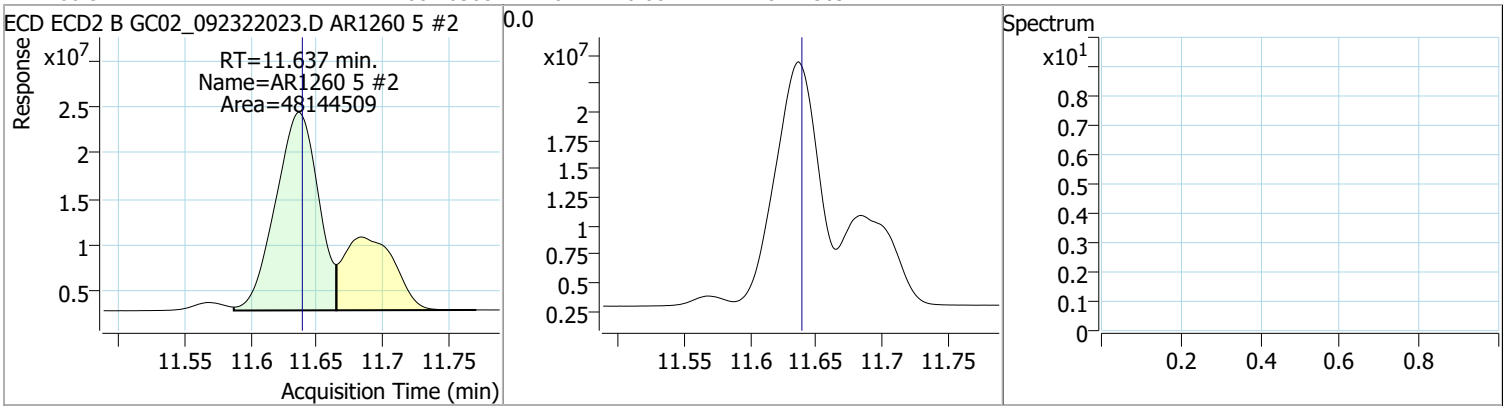
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	2870.9994	10.71	0.00	1807325182				



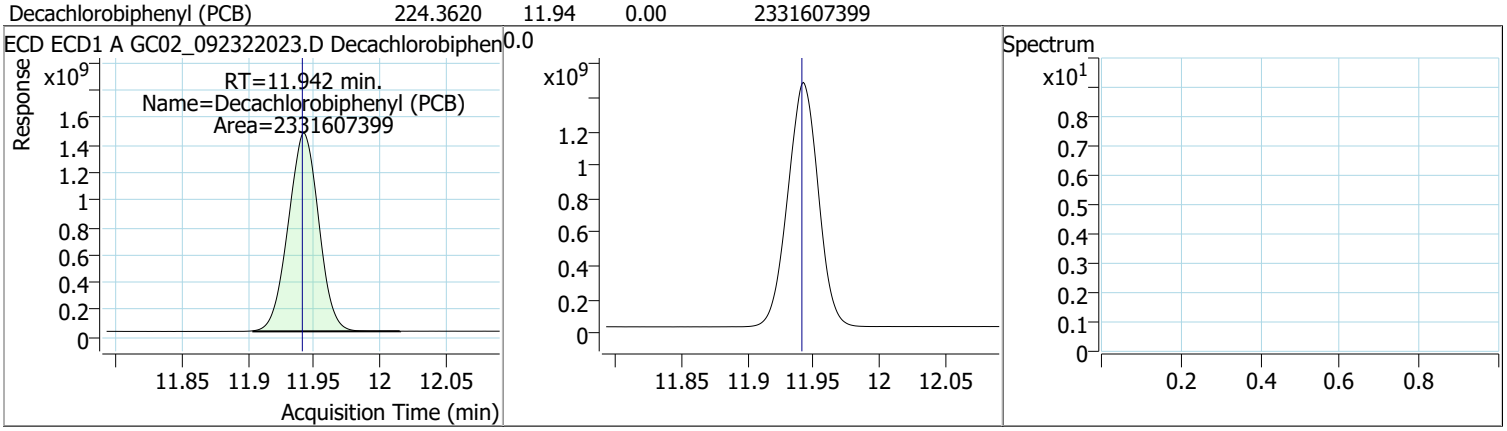
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1617.6824	10.97	0.00	30808559				



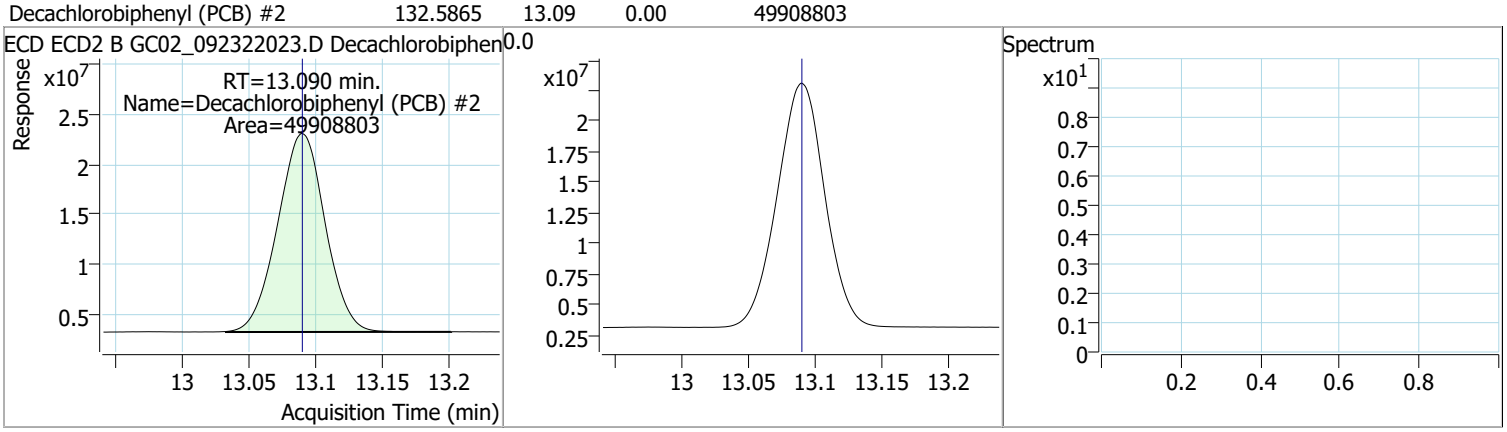
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1684.6368	11.64	0.00	48144509				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	224.3620	11.94	0.00	2331607399				

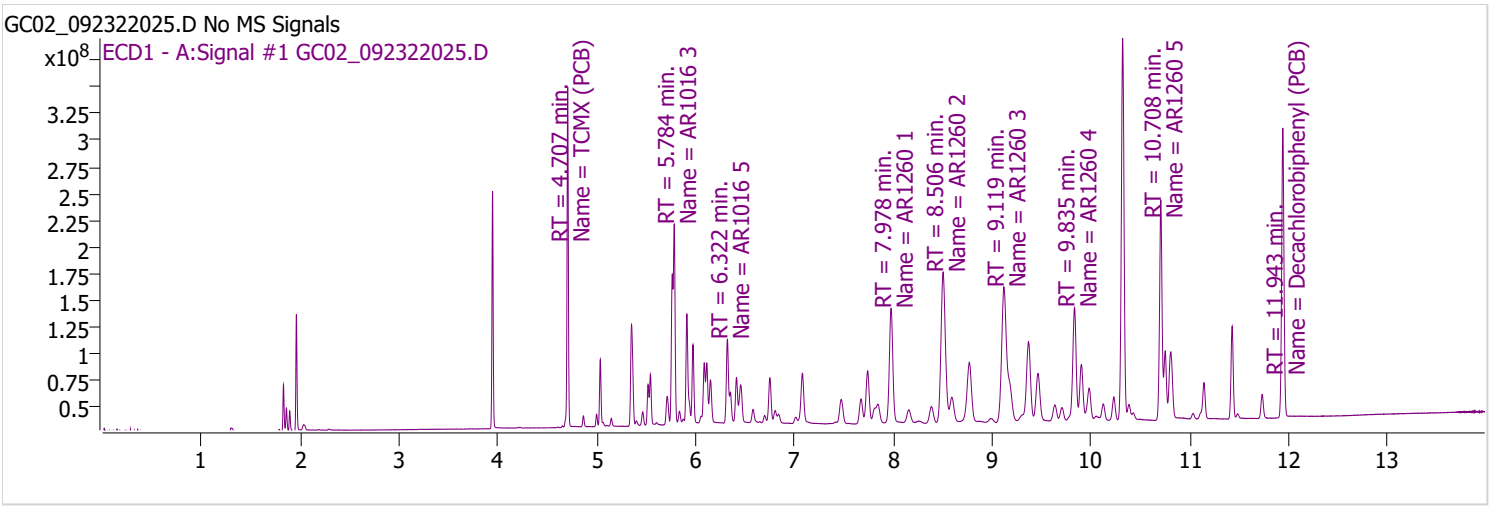


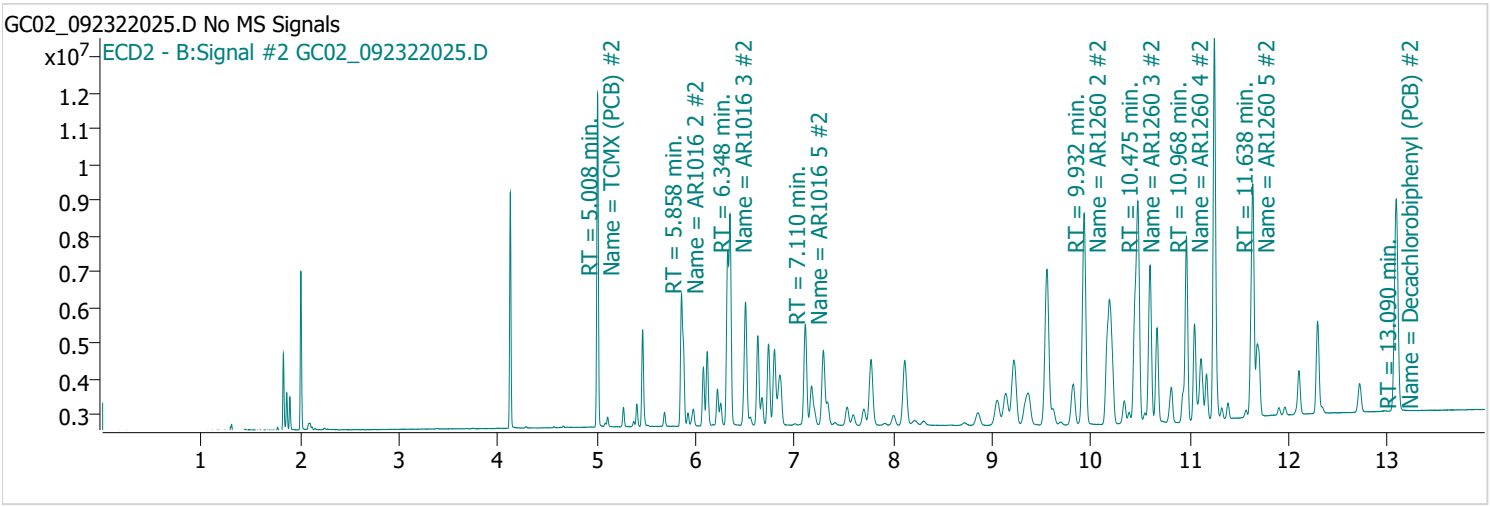
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	132.5865	13.09	0.00	49908803				



Quantitation Results Report (Not Reviewed)

Data File	GC02_092322025.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/23/2022 5:35:29 PM
Sample Name	ICV, S17274	Instrument	SVOA-GC02
Vial	20	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	PCB 500 PPB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



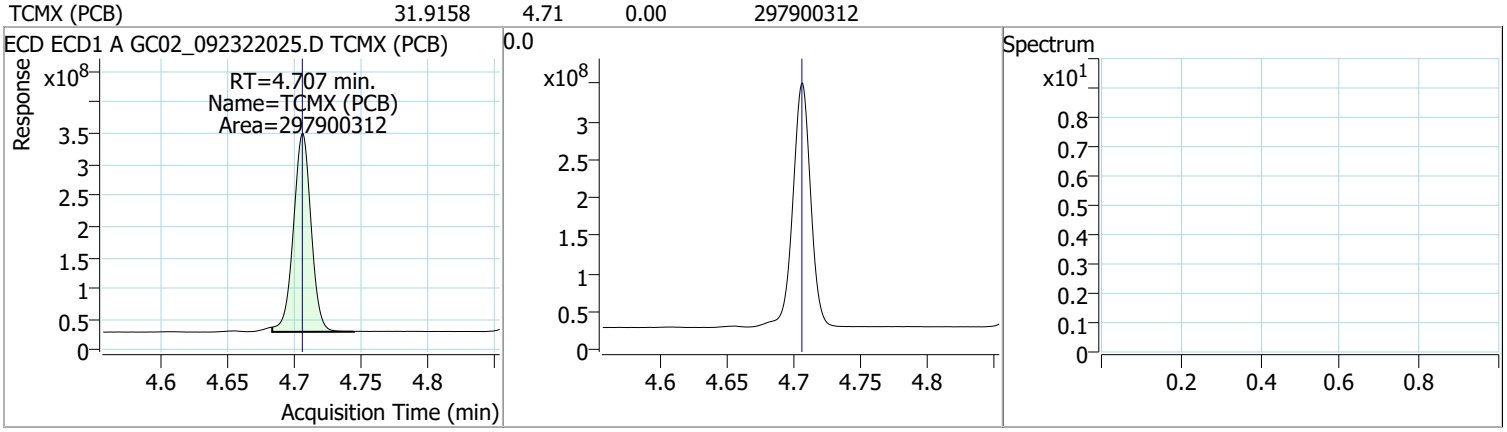


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	192372715.933	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	6152605.355	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.707	0.0	297900312.335	31.9158	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.58%		*	
S TCMX (PCB) #2	5.008	0.0	10324110.506	32.3190	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.59%		*	
S Decachlorobiphenyl (PCB)	11.943	0.0	444188101.802	39.8147	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.07%		*	
S Decachlorobiphenyl (PCB) #2	13.090	0.0	14848933.013	37.3613	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.81%		*	
Target Compounds							QValue

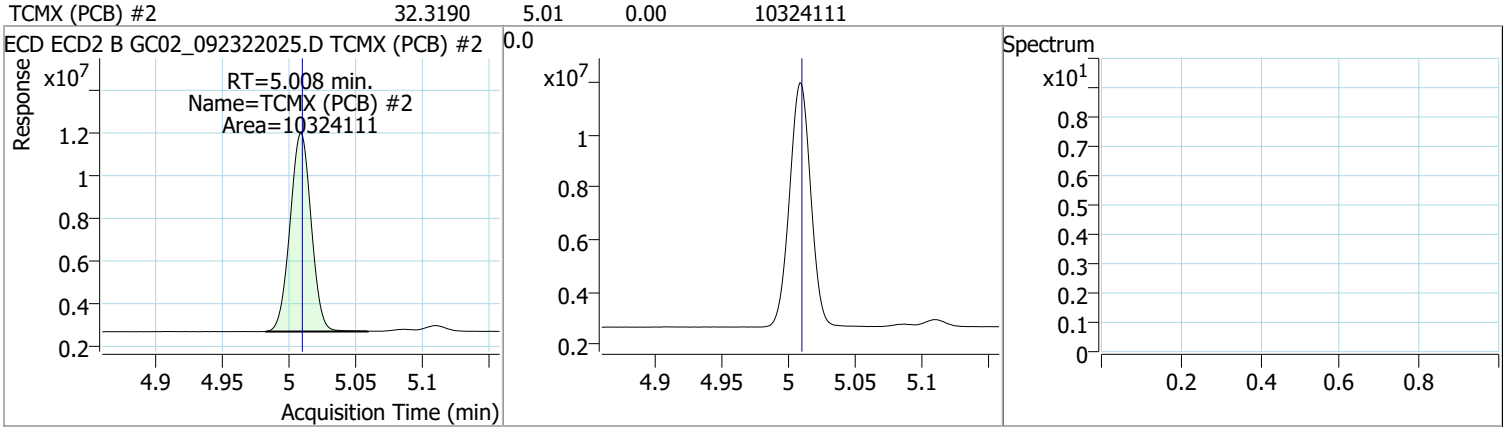
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.036	0.0	67978516.760	484.8145	ng/ml		100
T AR1016 2	5.353	0.0	147325030.560	487.3616	ng/ml		100
T AR1016 1 #2	5.465	0.0	3550617.710	482.7211	ng/ml		100
T AR1016 3	5.784	0.0	239151534.771	512.6467	ng/ml		100
T AR1016 2 #2	5.858	0.0	7599579.603	491.5611	ng/ml		100
T AR1016 4	5.912	0.0	151038751.948	490.0273	ng/ml		100
T AR1016 5	6.322	0.0	119107941.266	480.1959	ng/ml		100
T AR1016 3 #2	6.348	0.0	9235175.700	490.0402	ng/ml	m	100
T AR1016 4 #2	6.506	0.0	6705082.569	494.9722	ng/ml		100
T AR1016 5 #2	7.110	0.0	5649272.686	486.8464	ng/ml		100
T AR1260 1	7.978	0.0	261887363.317	537.1672	ng/ml		100
T AR1260 2	8.506	0.0	438282281.257	554.7437	ng/ml		100
T AR1260 3	9.119	0.0	517128590.287	587.0361	ng/ml		100
T AR1260 1 #2	9.556	0.0	12231920.415	529.6619	ng/ml	m	100
T AR1260 4	9.835	0.0	240292498.837	487.7806	ng/ml		100
T AR1260 2 #2	9.932	0.0	14189812.763	526.8936	ng/ml		100
T AR1260 3 #2	10.475	0.0	18528013.336	562.4115	ng/ml		100
T AR1260 5	10.708	0.0	361960027.018	535.5987	ng/ml		100
T AR1260 4 #2	10.968	0.0	9316999.779	463.3431	ng/ml		100
T AR1260 5 #2	11.638	0.0	14259739.781	472.5805	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

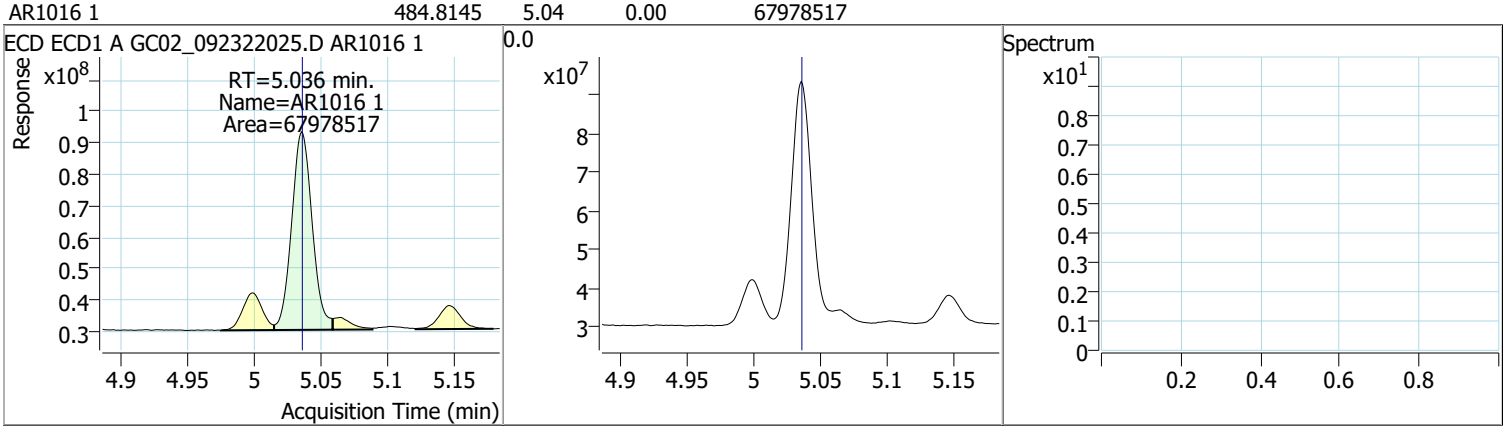
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.9158	4.71	0.00	297900312				



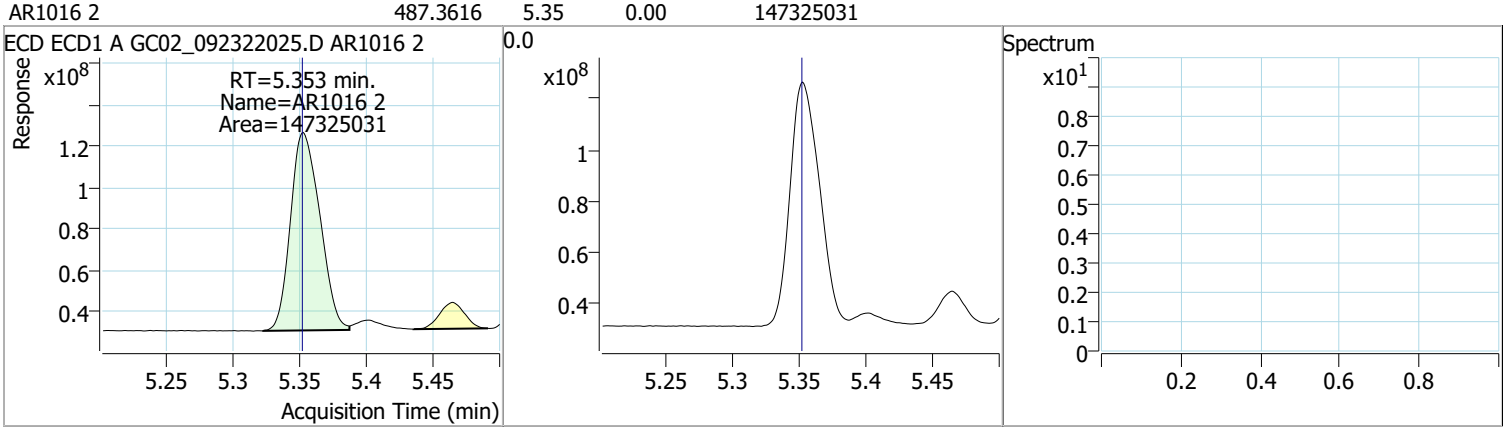
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.3190	5.01	0.00	10324111				



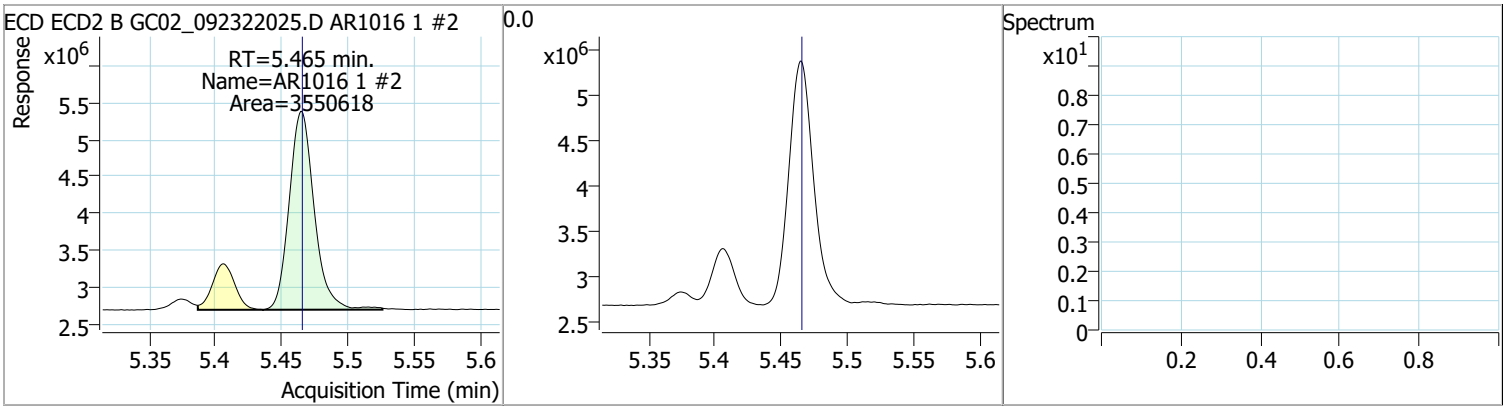
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	484.8145	5.04	0.00	67978517				



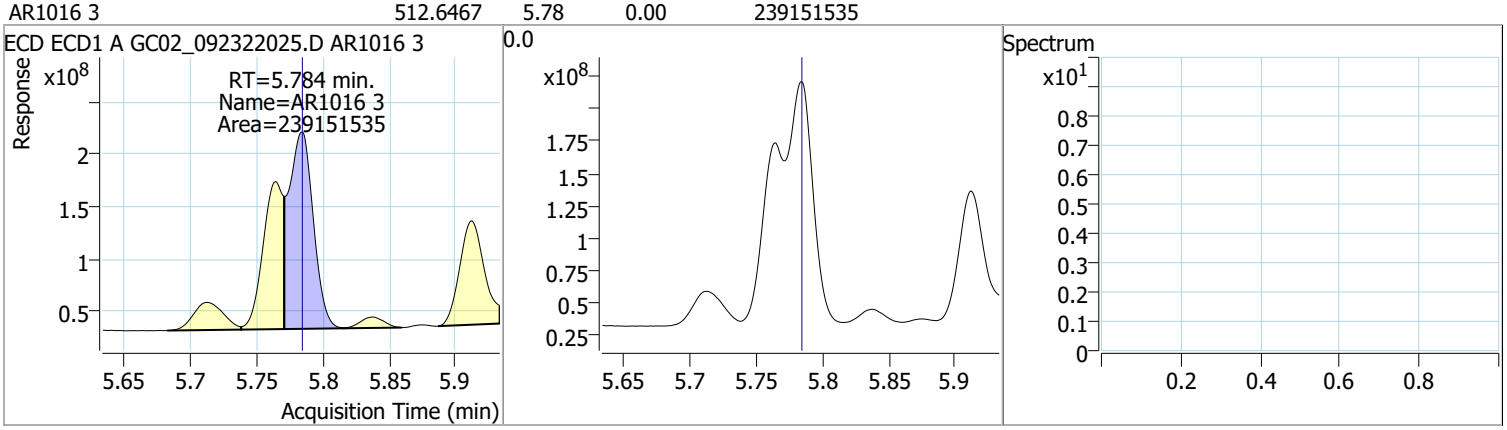
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	487.3616	5.35	0.00	147325031				



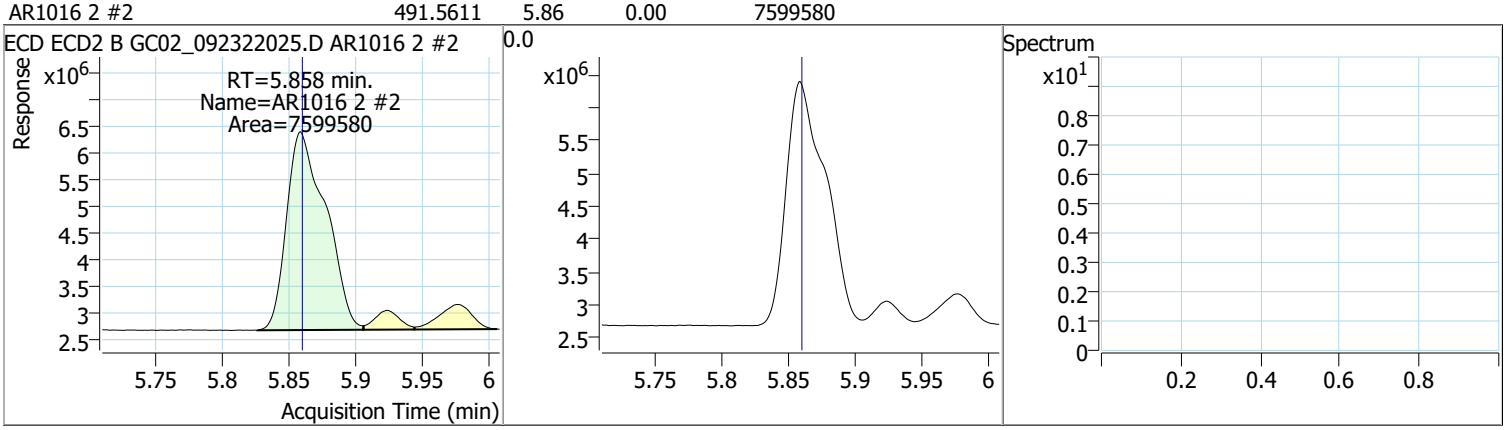
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	482.7211	5.47	0.00	3550618				



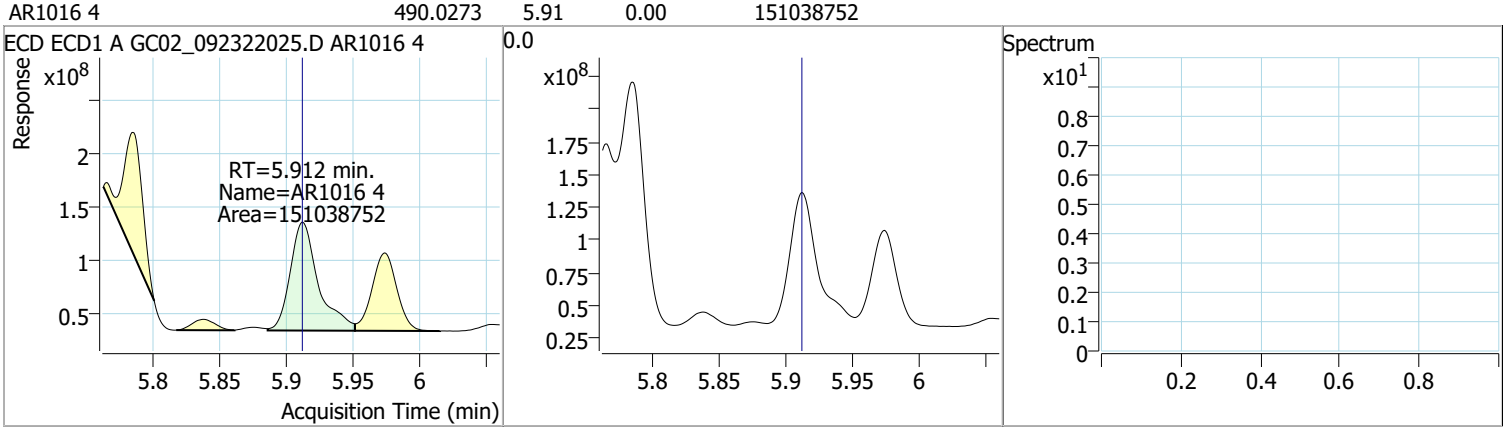
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	512.6467	5.78	0.00	239151535				



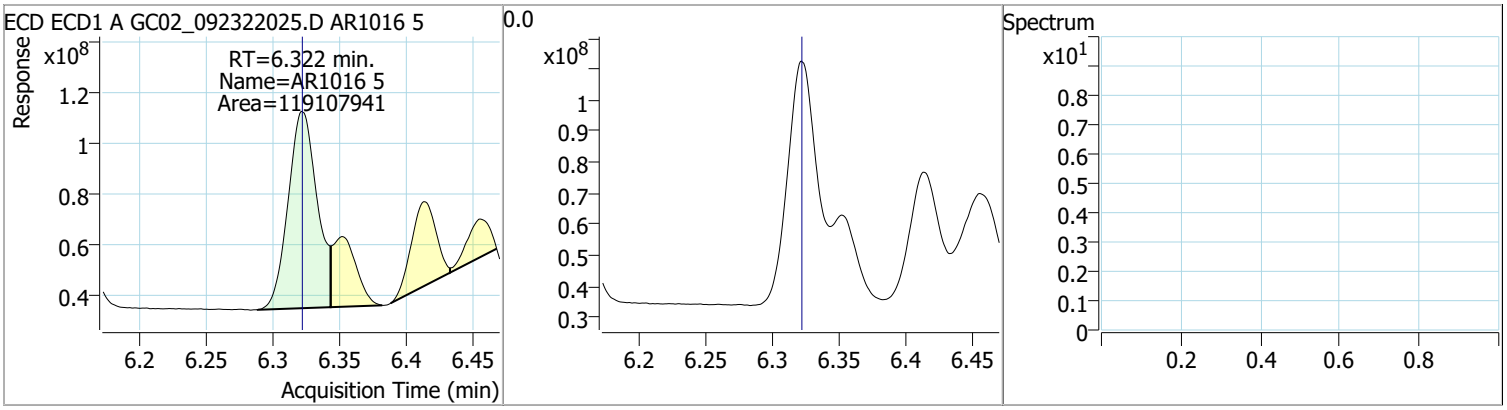
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	491.5611	5.86	0.00	7599580				



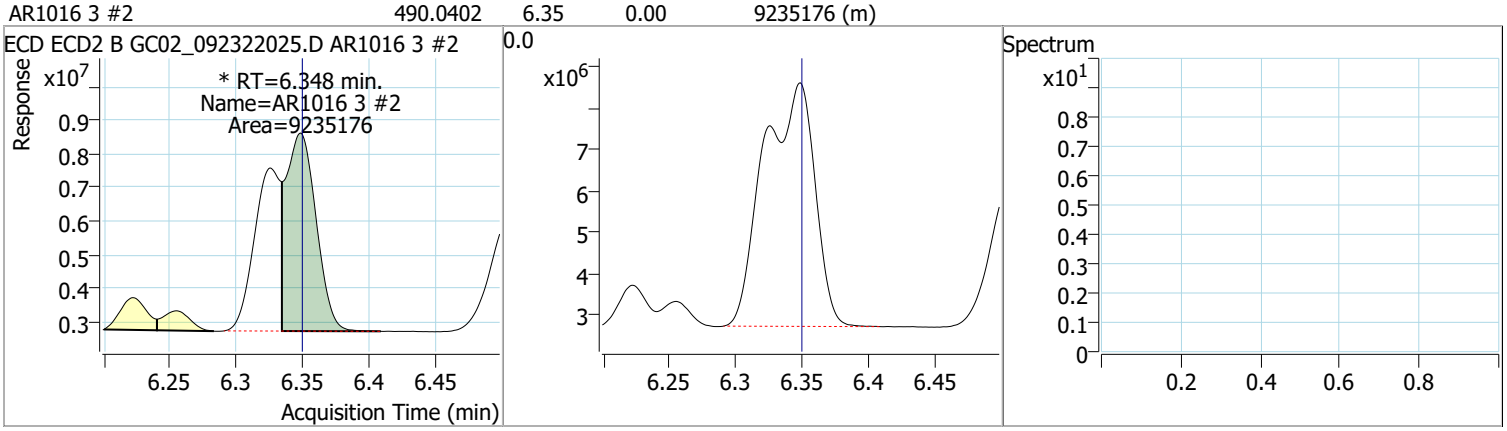
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	490.0273	5.91	0.00	151038752				



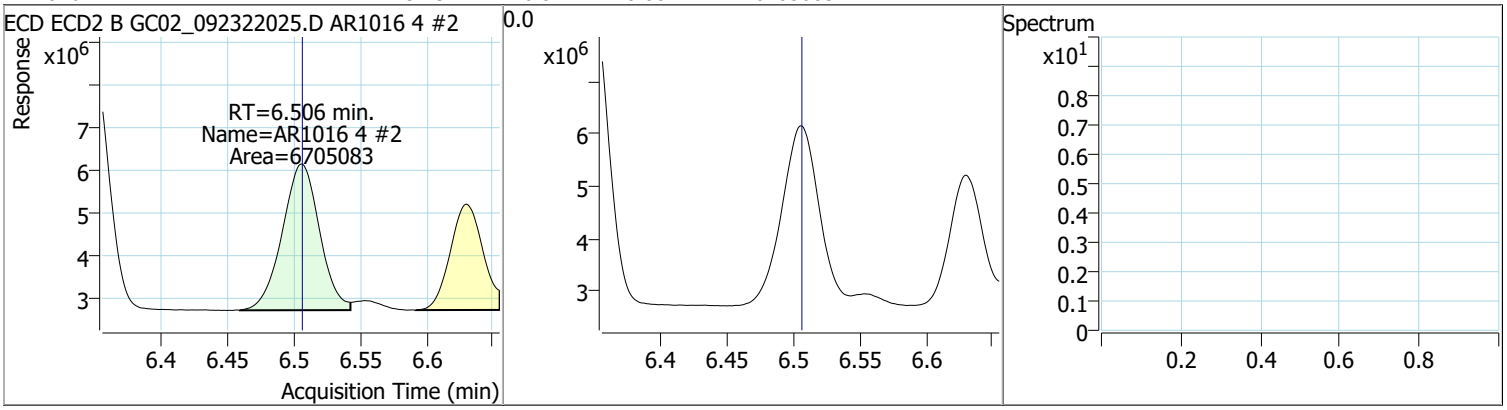
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	480.1959	6.32	0.00	119107941				



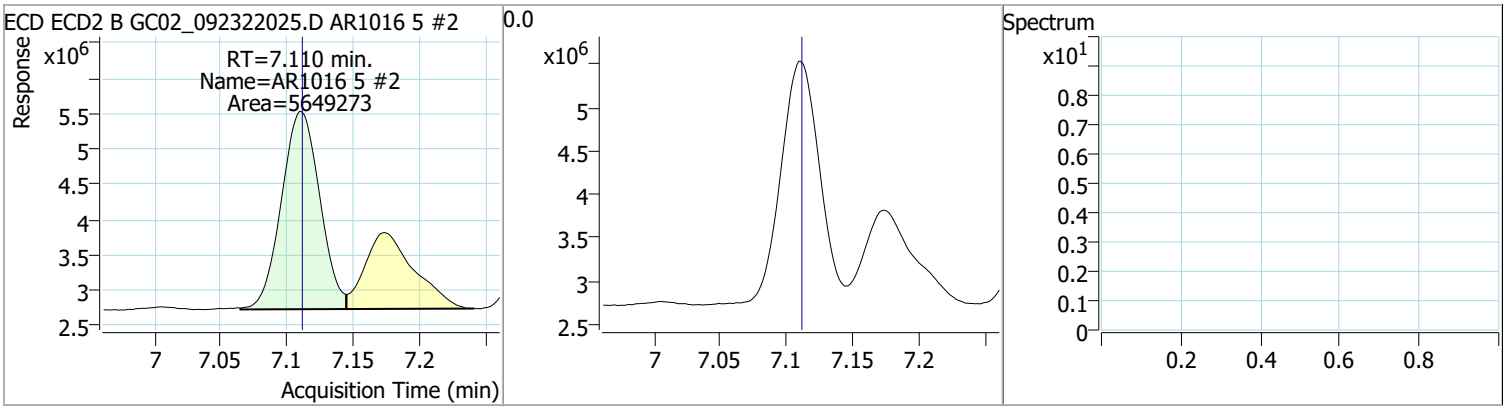
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	490.0402	6.35	0.00	9235176 (m)				



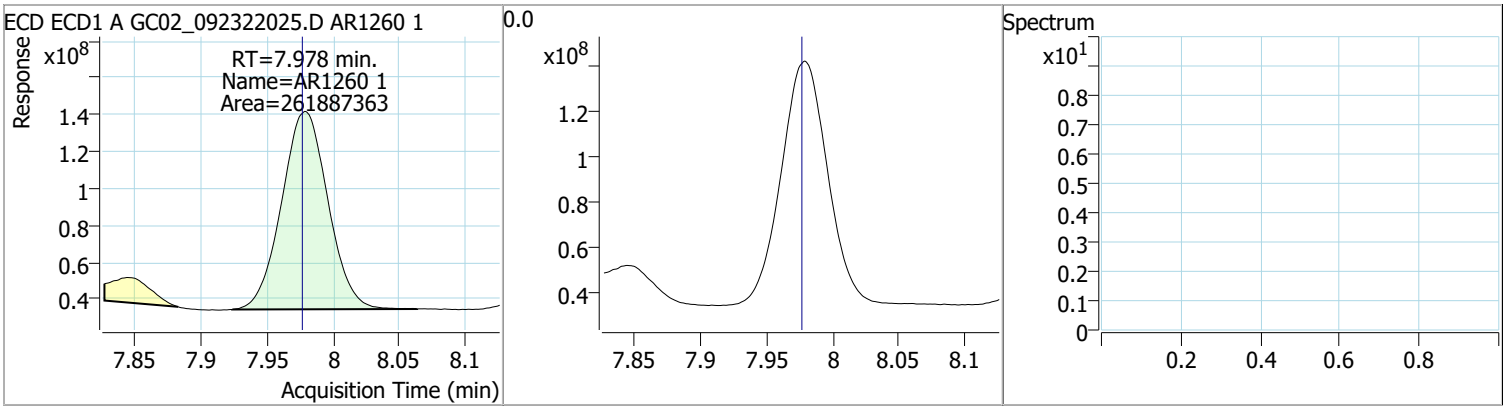
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	494.9722	6.51	0.00	6705083				



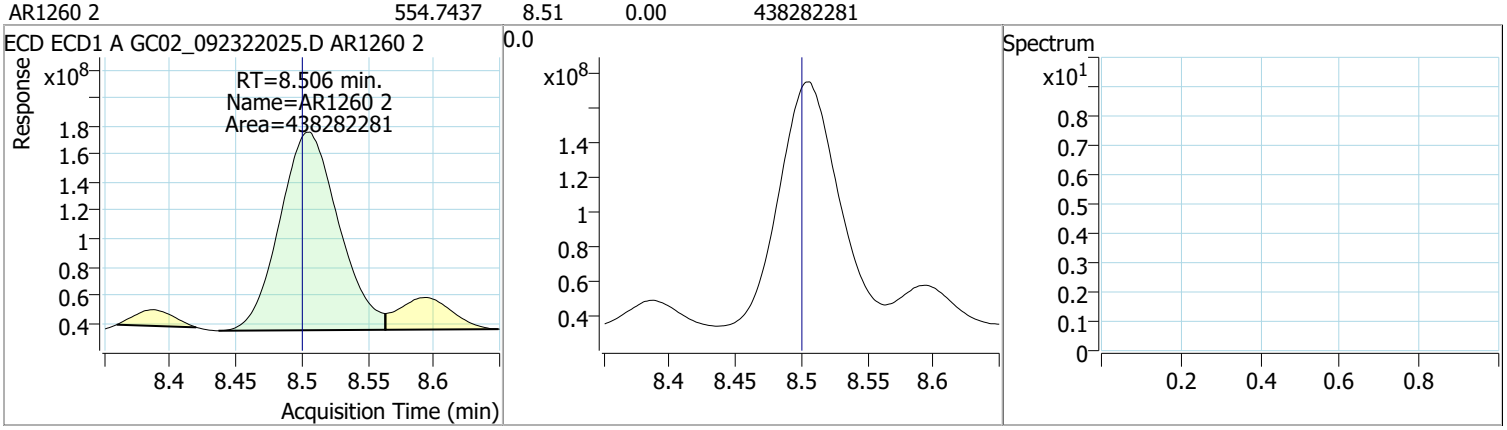
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	486.8464	7.11	0.00	5649273				



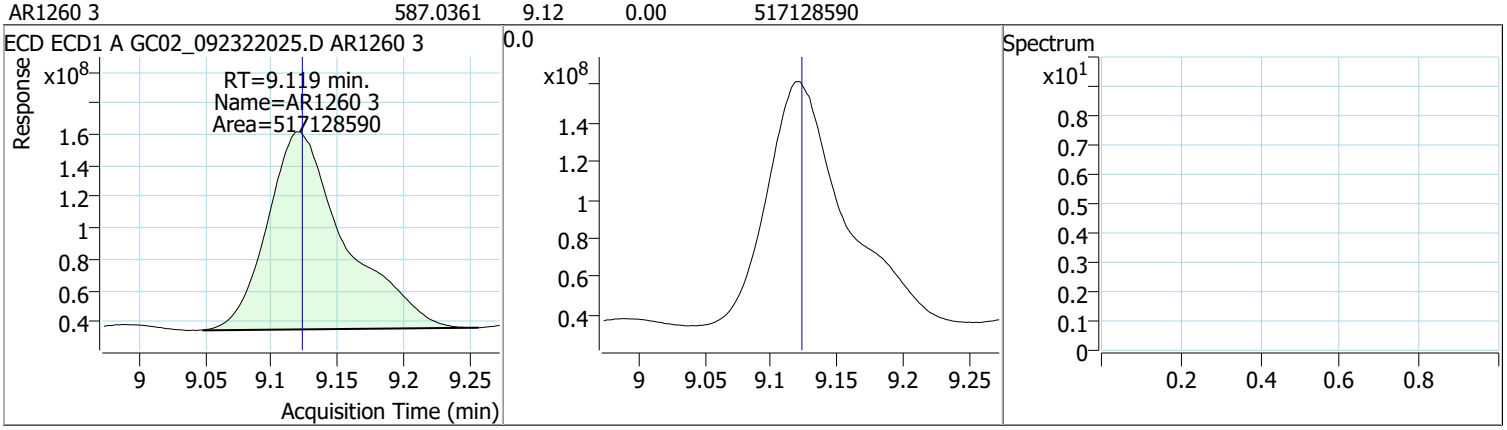
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	537.1672	7.98	0.00	261887363				



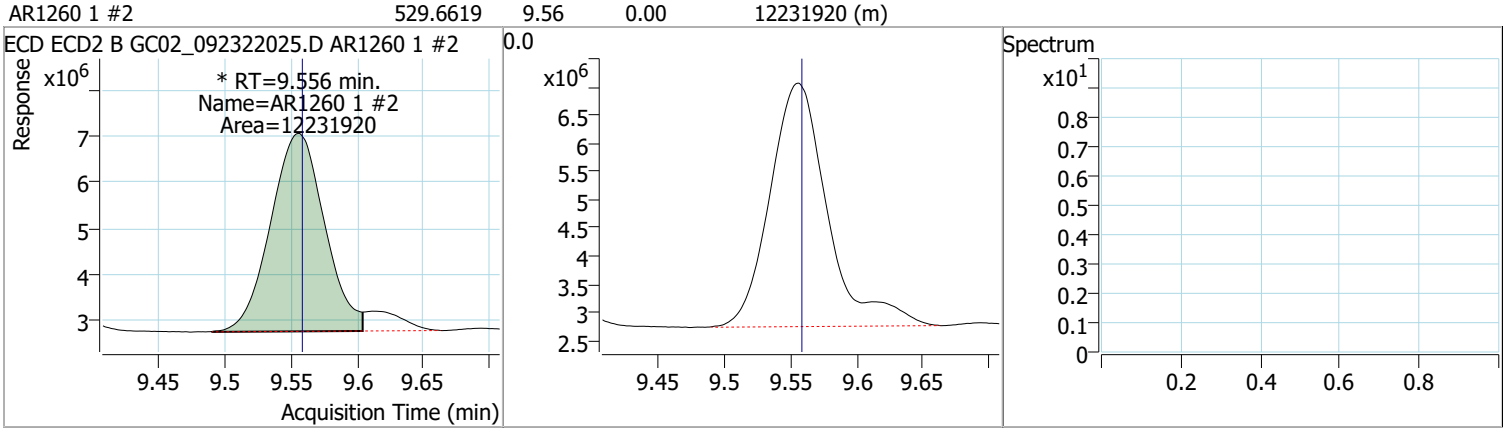
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	554.7437	8.51	0.00	438282281				



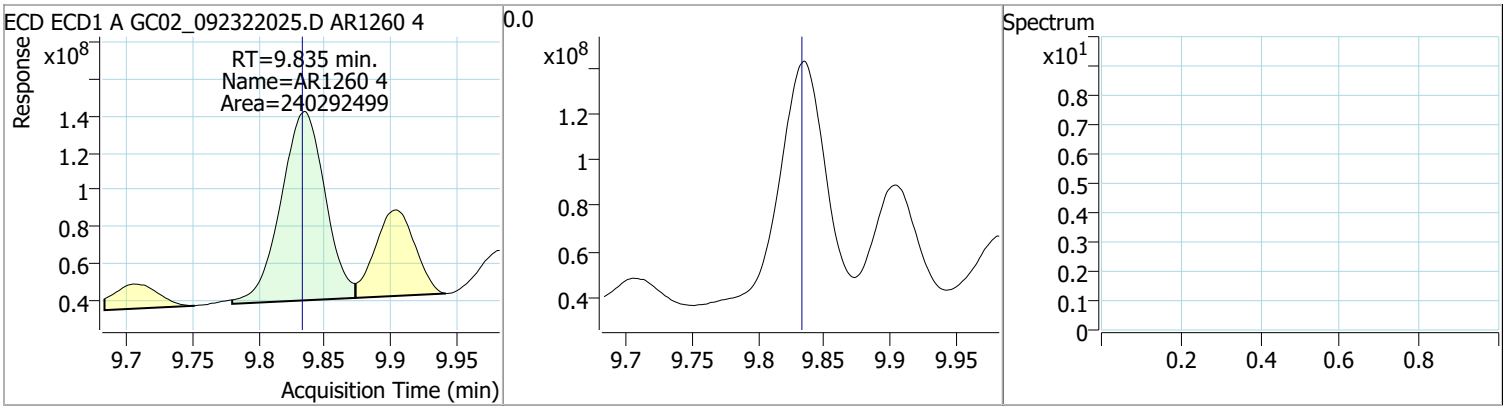
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	587.0361	9.12	0.00	517128590				



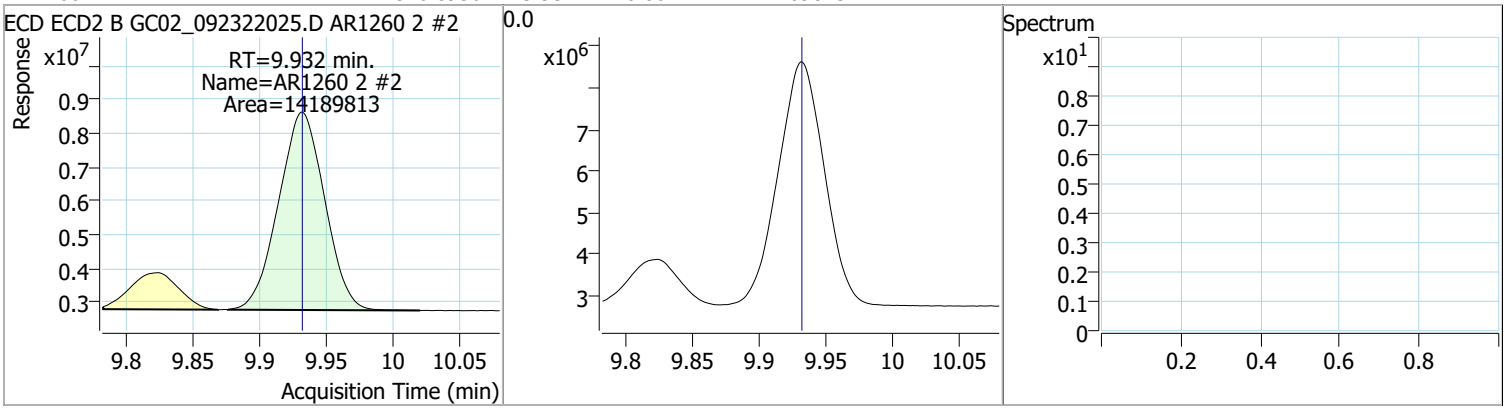
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	529.6619	9.56	0.00	12231920 (m)				



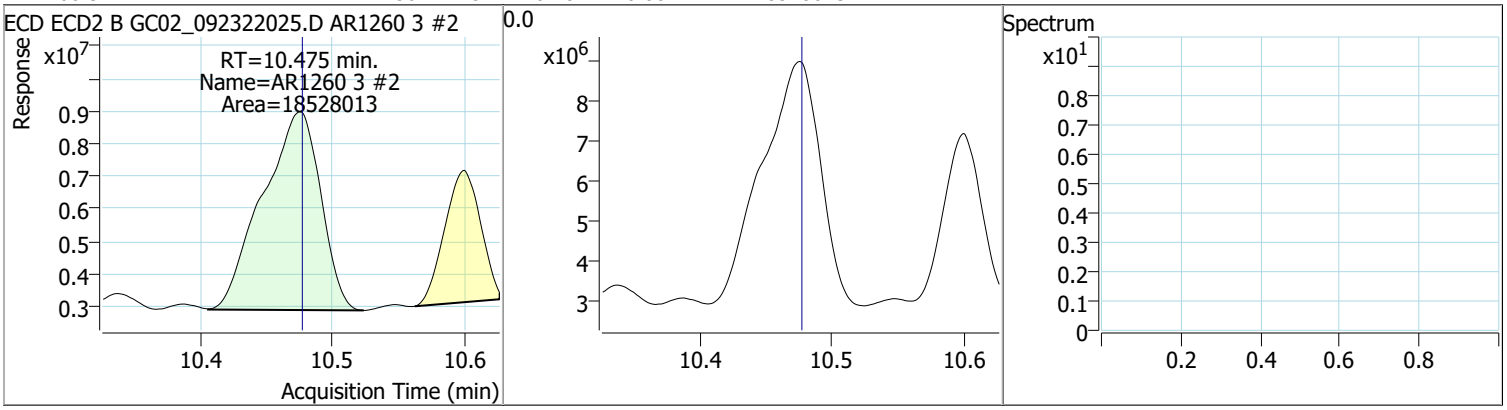
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	487.7806	9.84	0.00	240292499				



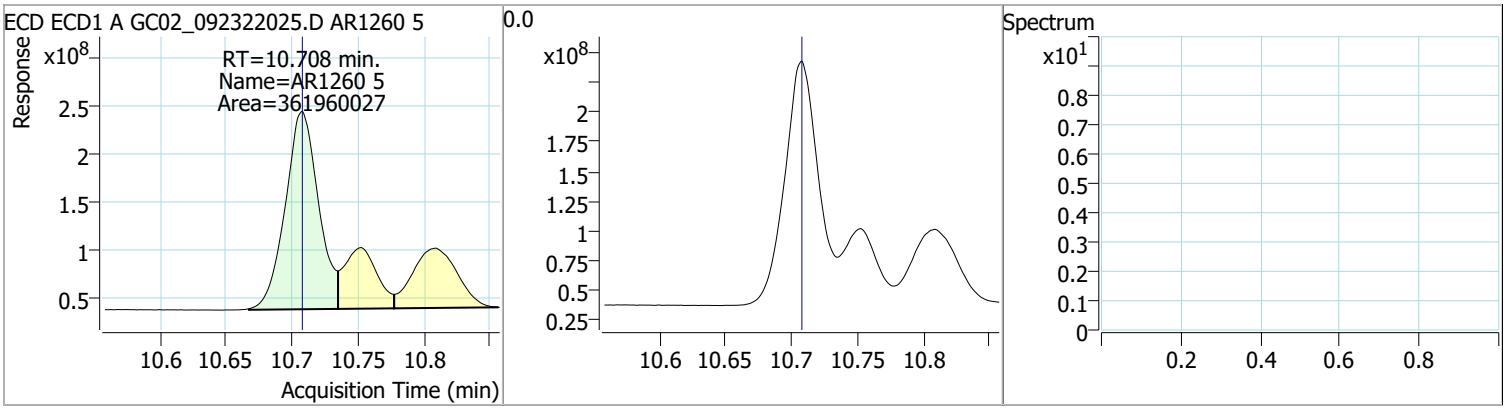
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	526.8936	9.93	0.00	14189813				



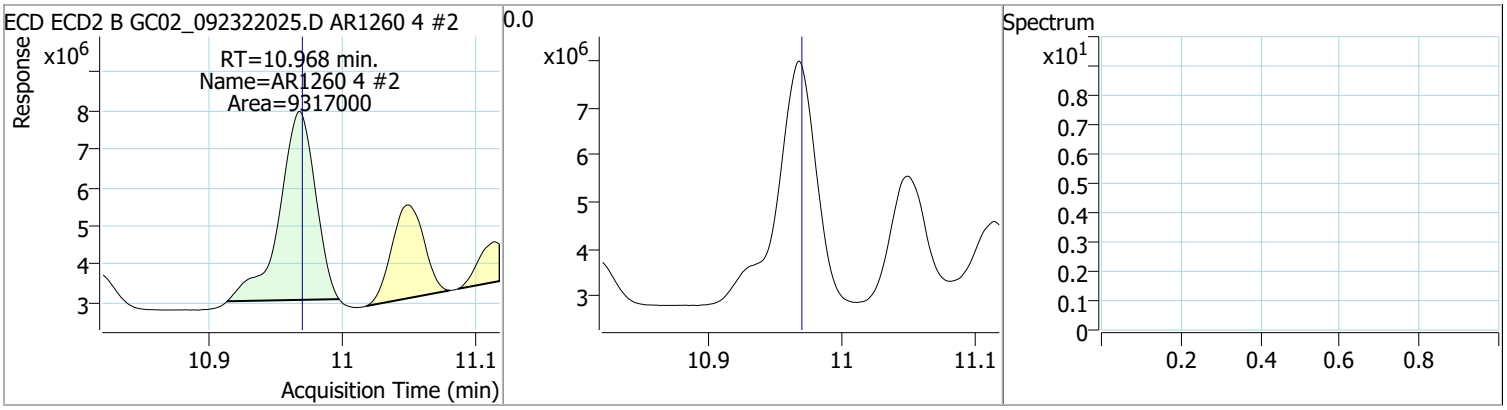
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	562.4115	10.48	0.00	18528013				



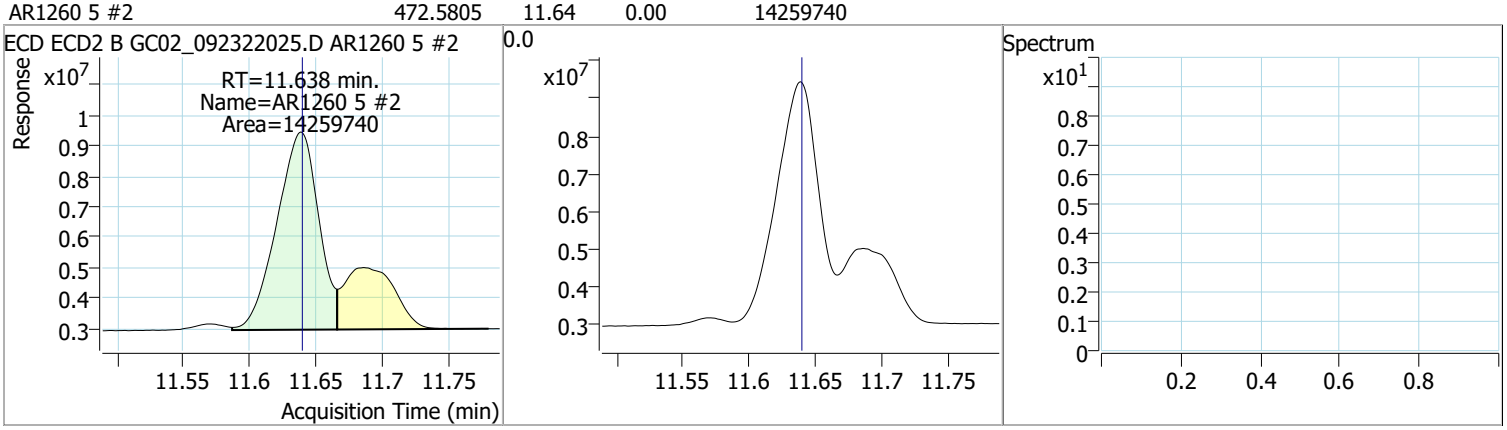
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	535.5987	10.71	0.00	361960027				



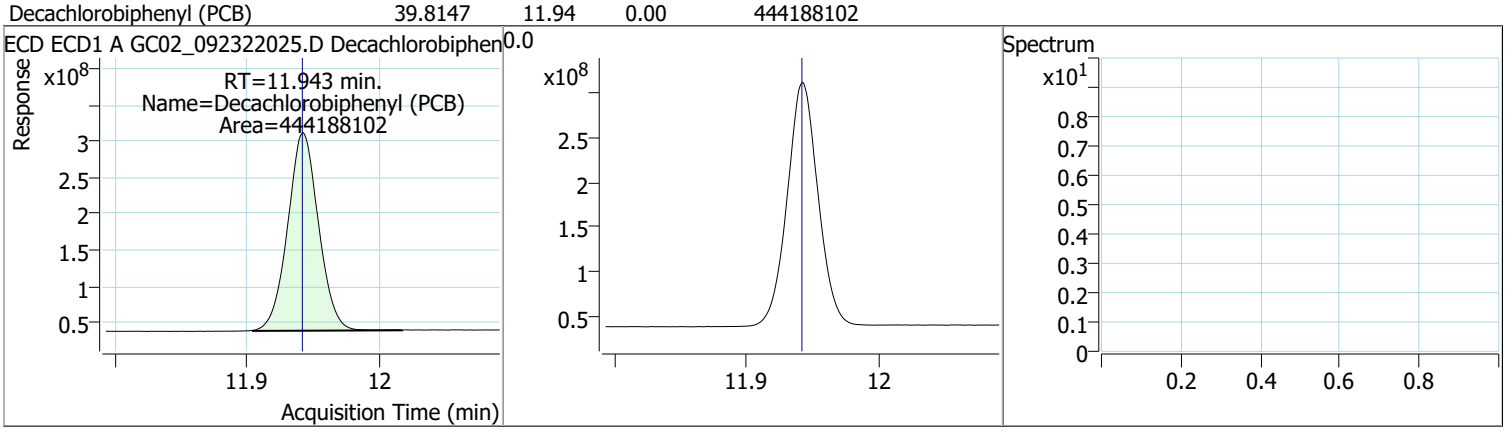
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	463.3431	10.97	0.00	9317000				



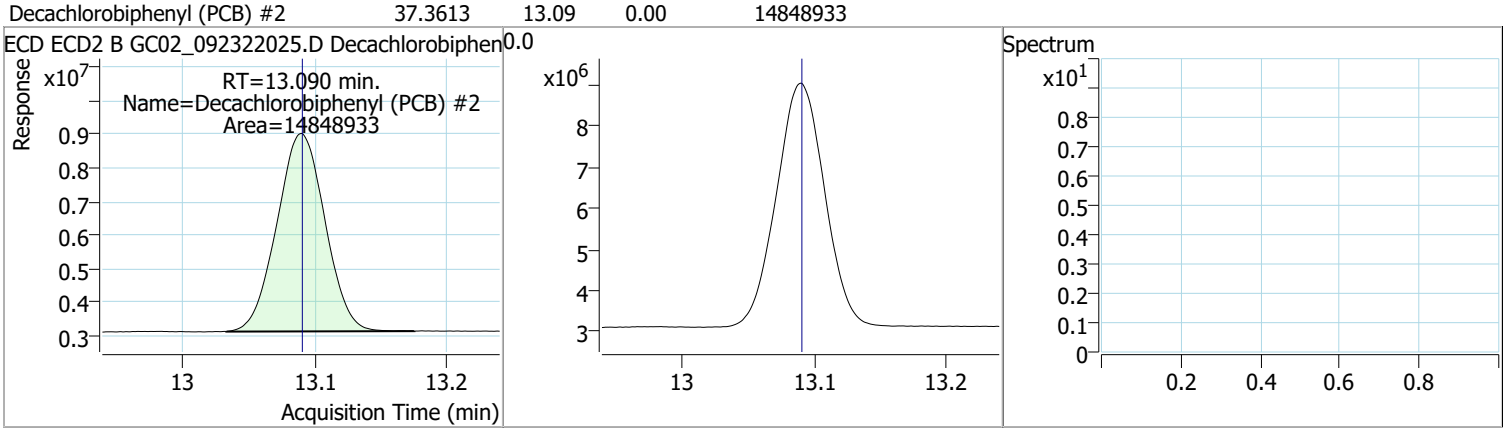
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	472.5805	11.64	0.00	14259740				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.8147	11.94	0.00	444188102				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.3613	13.09	0.00	14848933				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 469273 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02			IDF:	1.0
Seqnum:	212379627008.1	File:	gc02_092022-008	Time:	20-SEP-2022 15:07
Cal:	212360956002	Caldate:	07-SEP-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	431.9	ug/L	-14	15	0.0000	
Aroclor-1260	A			500.0	441.6	ug/L	-12	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1908	1.8415	20.00	30.93	ug/L	**55**	15	0.0000	c+
TCMX (PCB)	A	0.9461	1.4763	20.00	31.21	ug/L	**56**	15	0.0000	c+
Aroclor-1016	B			500.0	446.0	ug/L	-11	15	0.0000	
Aroclor-1260	B			500.0	467.6	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1975	2.0134	20.00	33.63	ug/L	**68**	15	0.0000	c+
TCMX (PCB)	B	1.0387	1.6131	20.00	31.06	ug/L	**55**	15	0.0000	c+

ISTD (ICAL gc02_090722-064)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5182277	5202550	0.39
1-bromo-2-nitrobenzene (PCB)	A	111745233	156453134	40.01

TJW 09/21/22 : Manually integrated due to baseline corrections for Ch. A

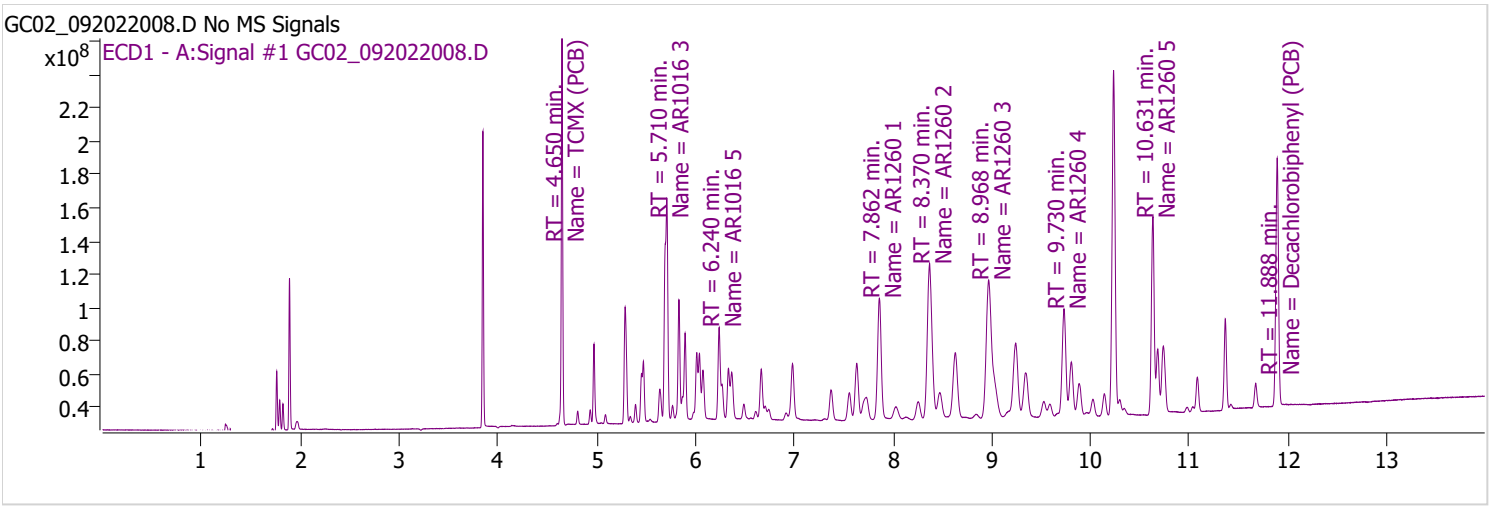
TRN 09/26/22 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

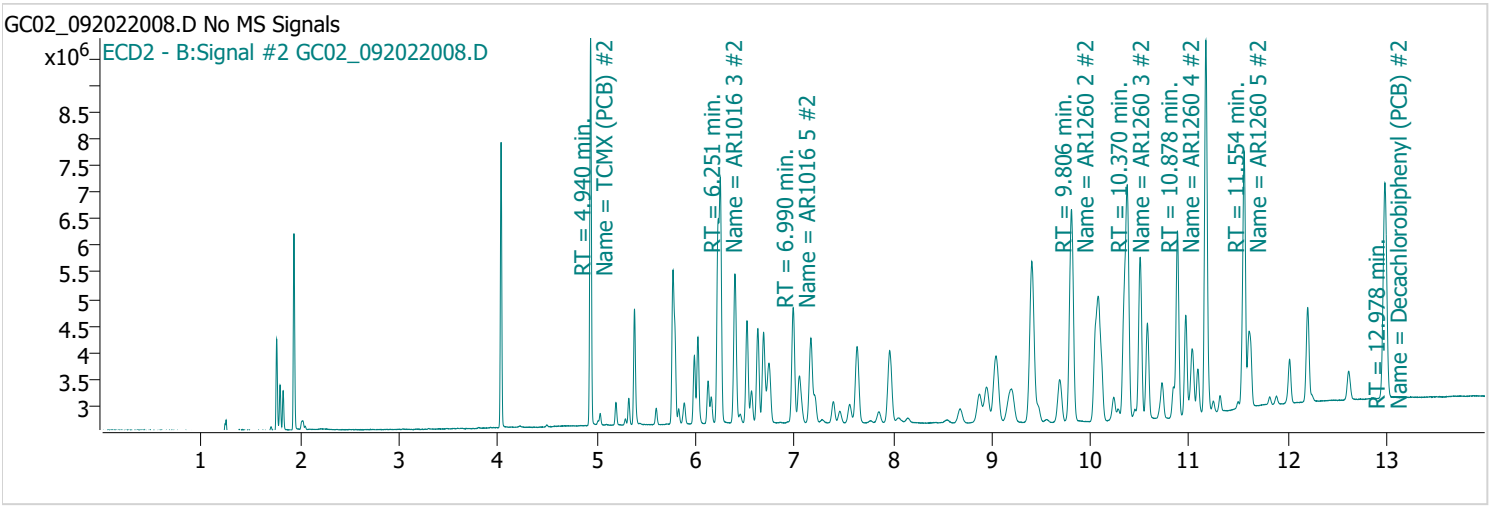
+=high bias c=CCV

Reviewed By: TJW 09/21/22 *, TRN 09/26/22 *, SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092022008.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/20/2022 3:07:30 PM
Sample Name	CCV, S17055	Instrument	SVOA-GC02
Vial	144	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_8.m	Comment	500ppb PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	092022PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



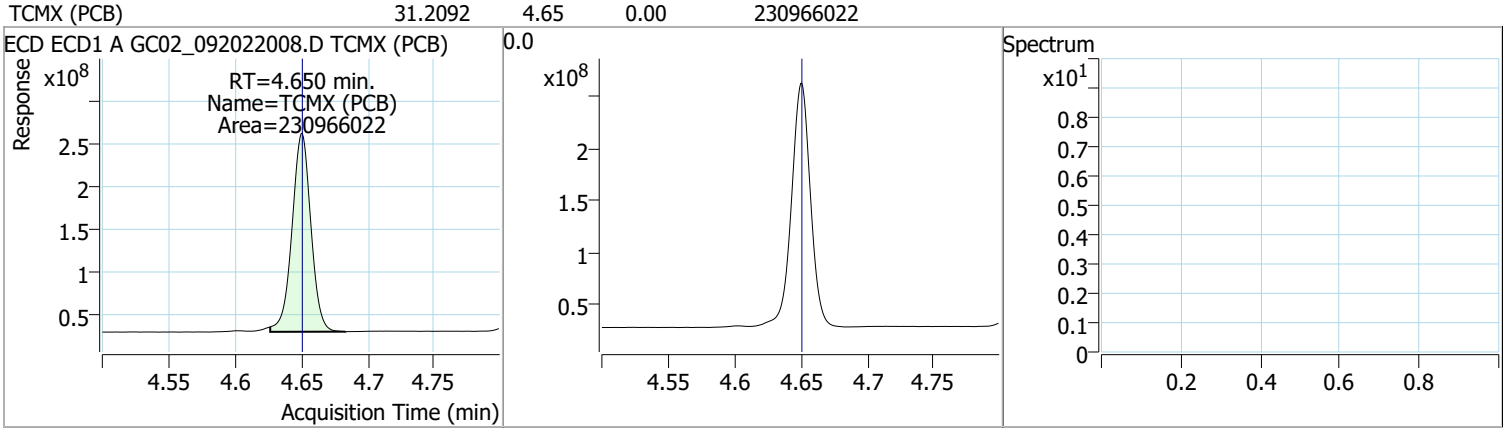


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.850	0.0	156453134.113	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.033	0.0	5202549.560	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.650	0.0	230966022.217	31.2092	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 156.05%		*	
S TCMX (PCB) #2	4.940	0.0	8392339.793	31.0607	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.30%		*	
S Decachlorobiphenyl (PCB)	11.888	0.0	288114376.412	30.9308	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.65%		*	
S Decachlorobiphenyl (PCB) #2	12.978	0.0	10474770.317	33.6270	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.14%		*	
Target Compounds							QValue

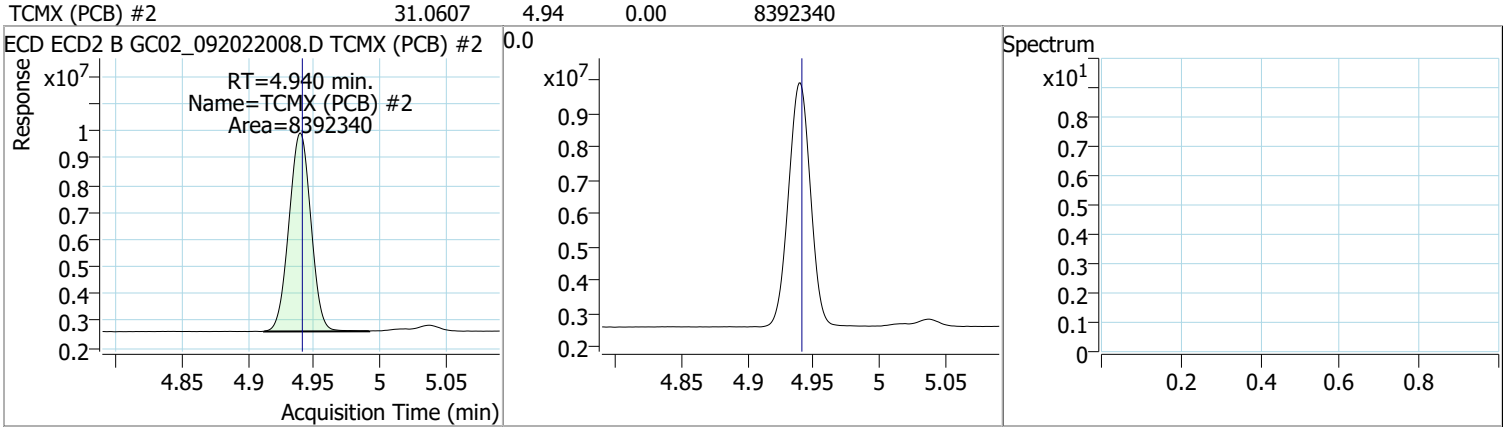
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.974	0.0	56408845.126	409.9483	ng/ml		100
T AR1016 2	5.289	0.0	114012704.907	429.2085	ng/ml		100
T AR1016 1 #2	5.384	0.0	2902636.940	441.5490	ng/ml		100
T AR1016 3	5.710	0.0	197842755.421	494.1979	ng/ml	m	100
T AR1016 2 #2	5.774	0.0	6172173.503	465.0264	ng/ml		100
T AR1016 4	5.833	0.0	99027237.523	420.1189	ng/ml		100
T AR1016 5	6.240	0.0	88199314.606	406.2724	ng/ml	m	100
T AR1016 3 #2	6.251	0.0	7523884.388	467.5723	ng/ml	m	100
T AR1016 4 #2	6.400	0.0	5290121.672	416.8895	ng/ml		100
T AR1016 5 #2	6.990	0.0	4492420.247	439.2342	ng/ml		100
T AR1260 1	7.862	0.0	188970167.140	450.8001	ng/ml		100
T AR1260 2	8.370	0.0	303452455.761	473.5757	ng/ml		100
T AR1260 3	8.968	0.0	360141871.947	493.4495	ng/ml		100
T AR1260 1 #2	9.405	0.0	10112900.536	485.3324	ng/ml		100
T AR1260 4	9.730	0.0	160918463.765	373.1954	ng/ml		100
T AR1260 2 #2	9.806	0.0	10897989.477	464.1903	ng/ml		100
T AR1260 3 #2	10.370	0.0	13734867.200	491.8713	ng/ml		100
T AR1260 5	10.631	0.0	235139431.707	417.0274	ng/ml		100
T AR1260 4 #2	10.878	0.0	7704967.199	479.0524	ng/ml		100
T AR1260 5 #2	11.554	0.0	9940798.905	417.6770	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

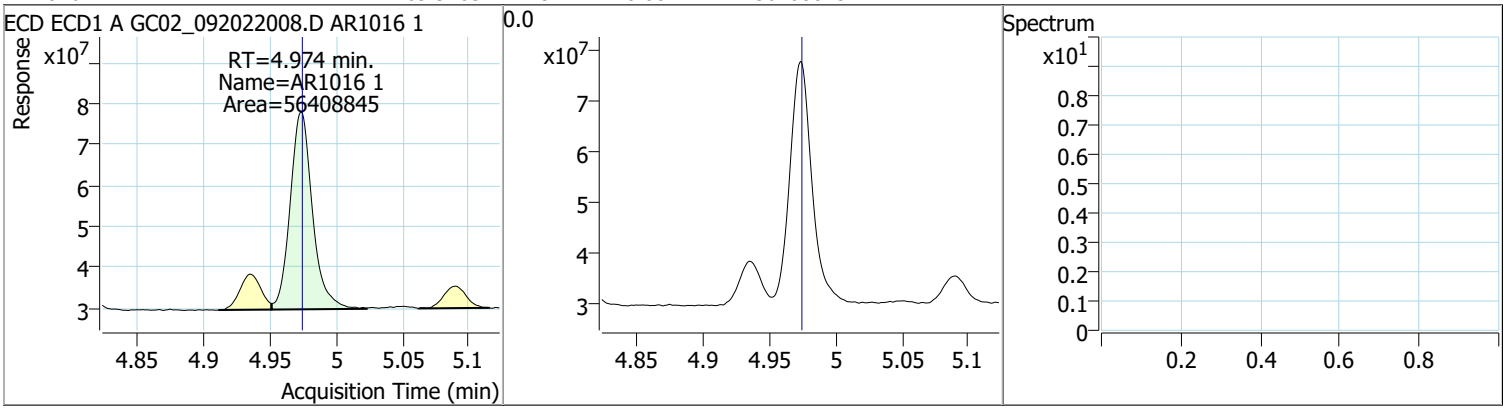
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.2092	4.65	0.00	230966022				



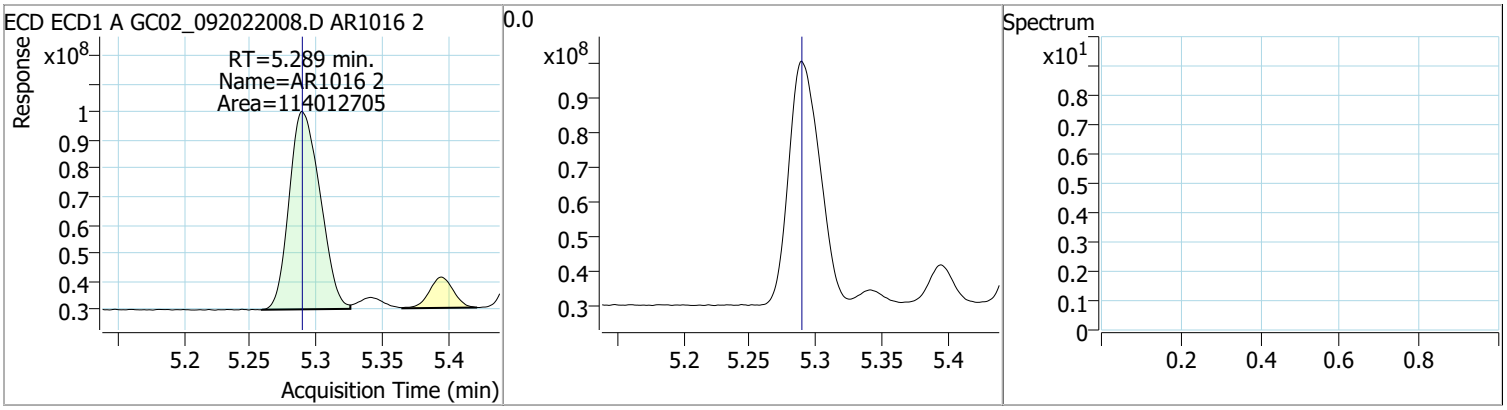
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.0607	4.94	0.00	8392340				



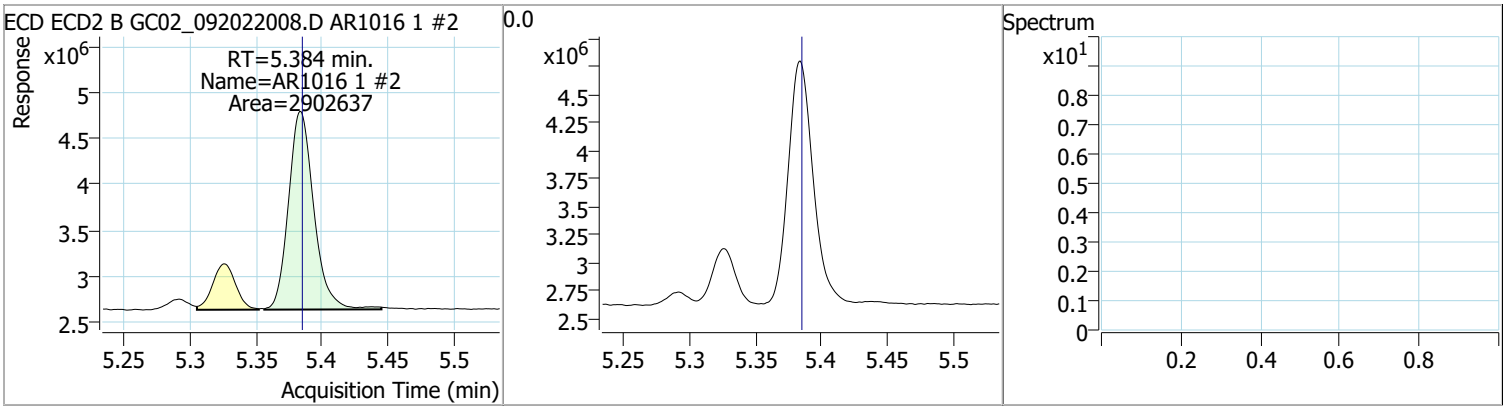
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	409.9483	4.97	0.00	56408845				



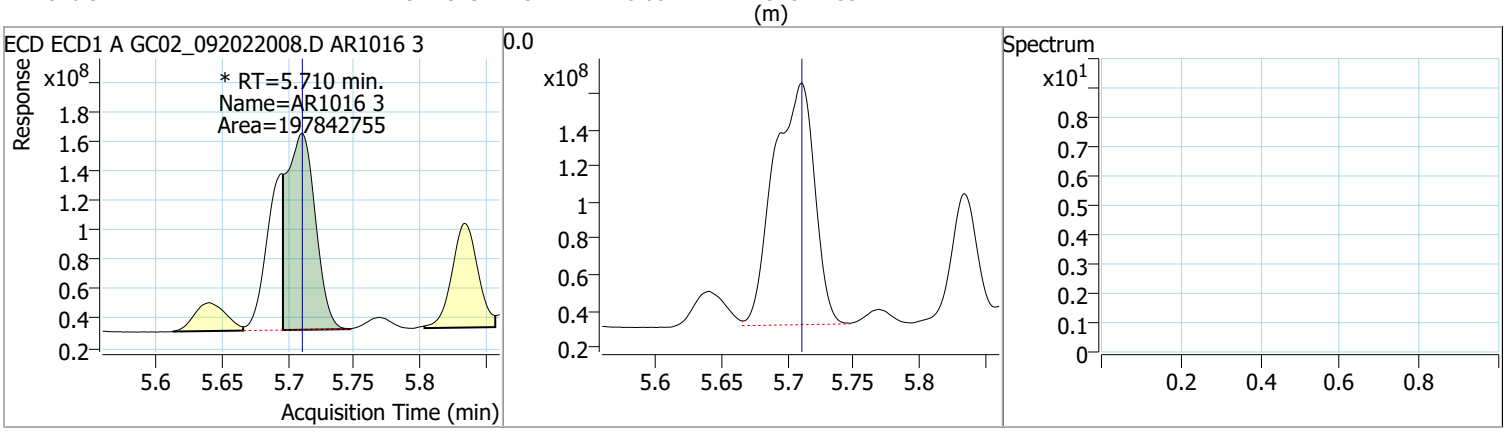
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	429.2085	5.29	0.00	114012705				



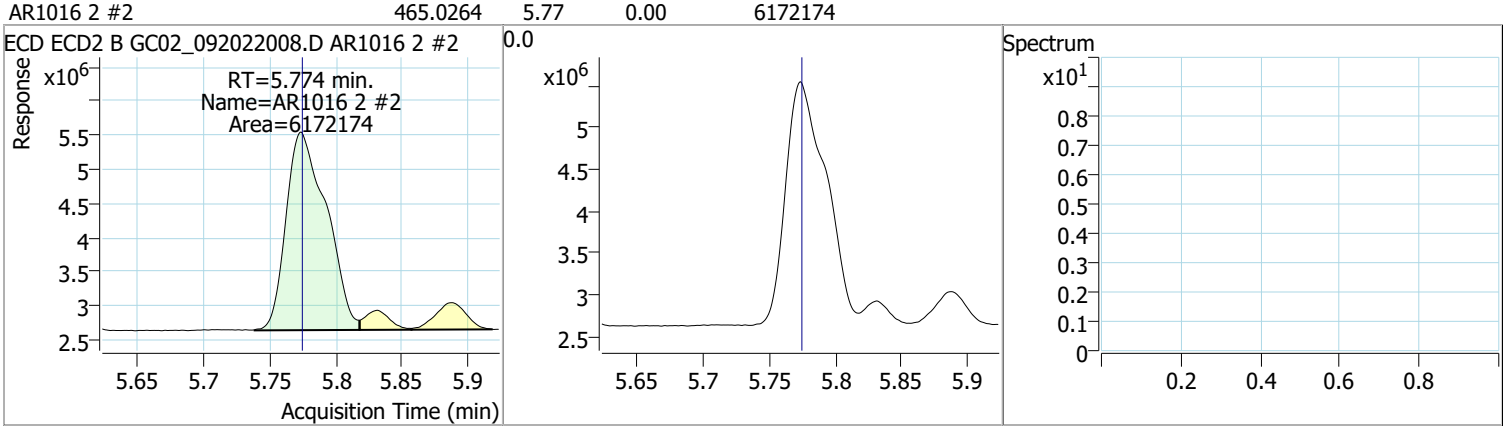
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	441.5490	5.38	0.00	2902637				



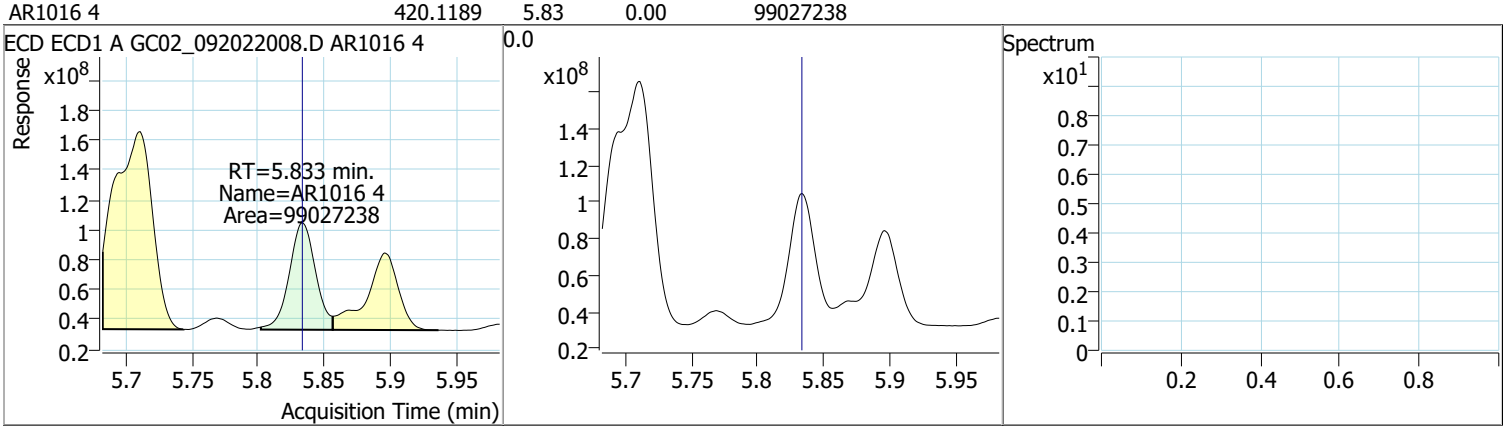
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	494.1979	5.71	0.00	197842755 (m)				



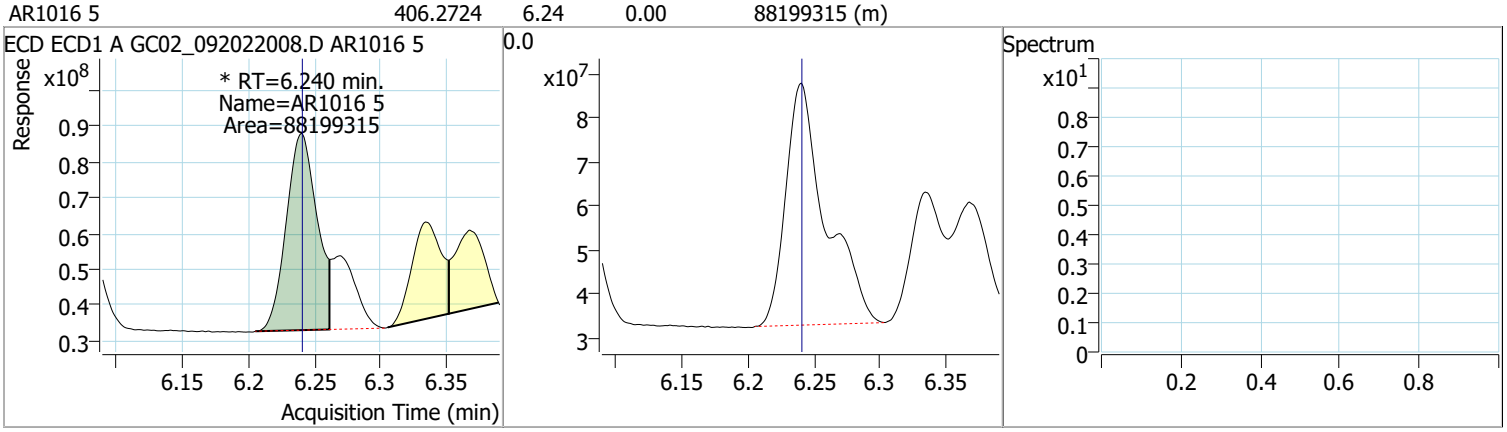
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	465.0264	5.77	0.00	6172174				



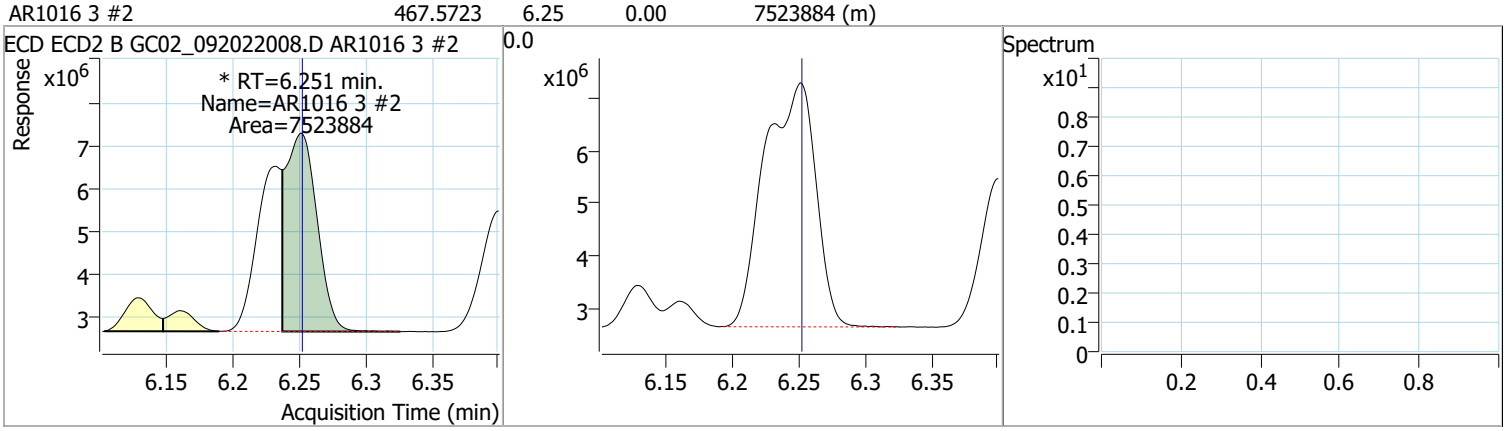
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	420.1189	5.83	0.00	99027238				



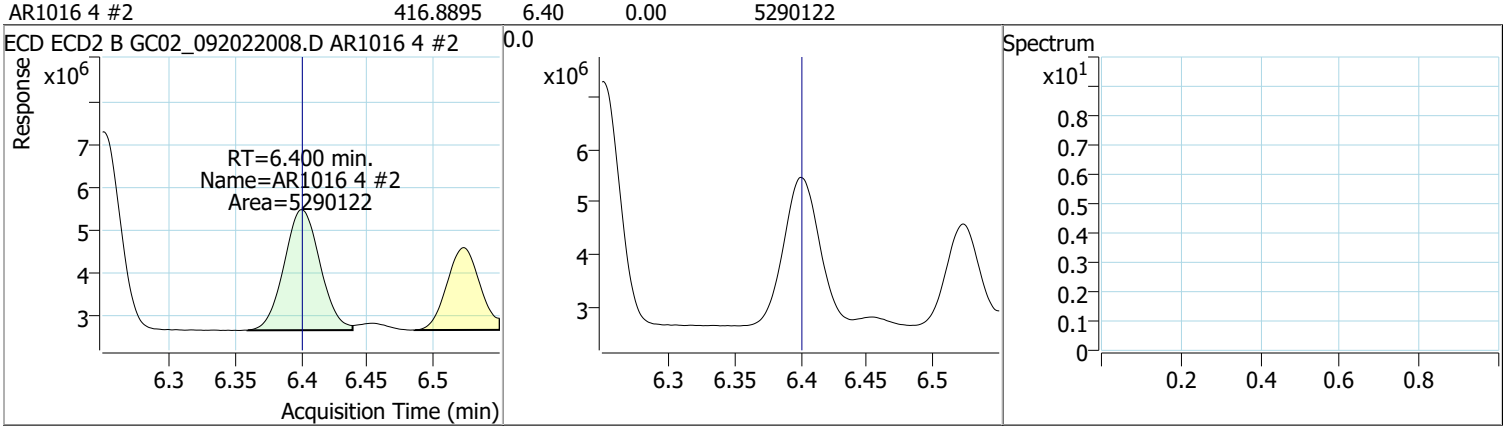
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	406.2724	6.24	0.00	88199315 (m)				



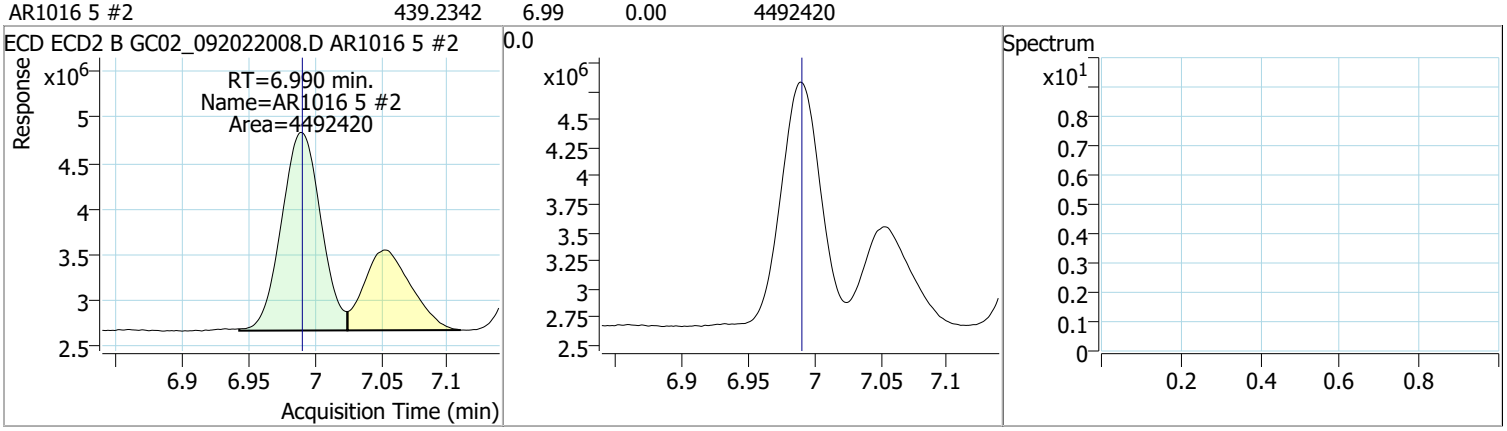
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	467.5723	6.25	0.00	7523884 (m)				



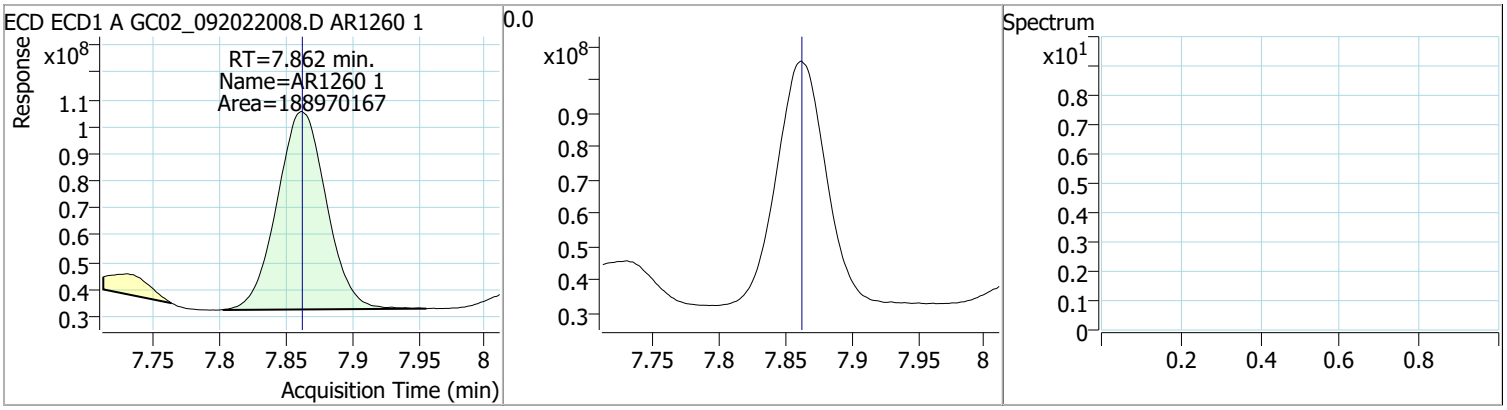
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	416.8895	6.40	0.00	5290122				



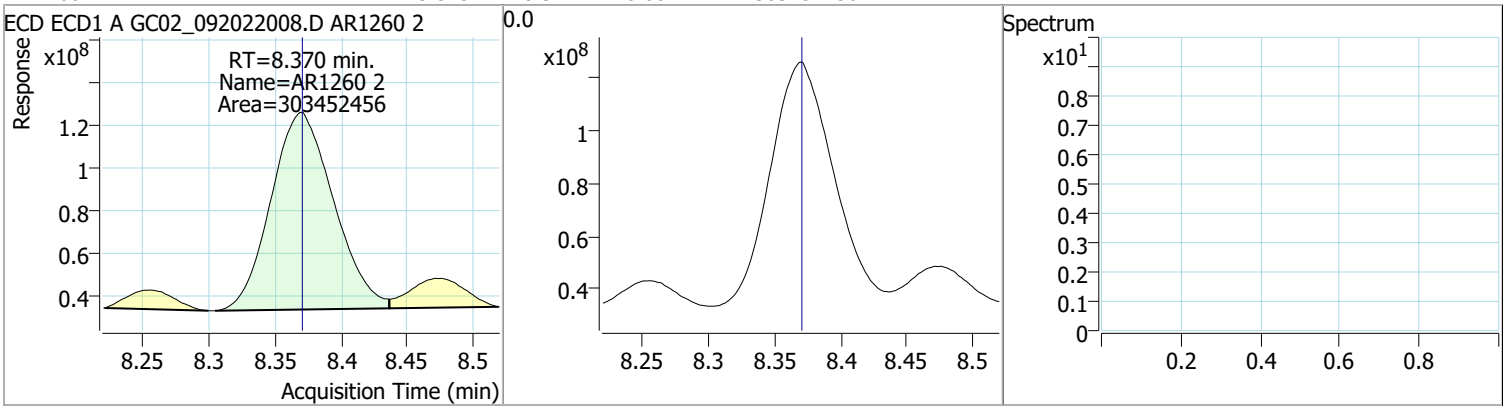
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	439.2342	6.99	0.00	4492420				



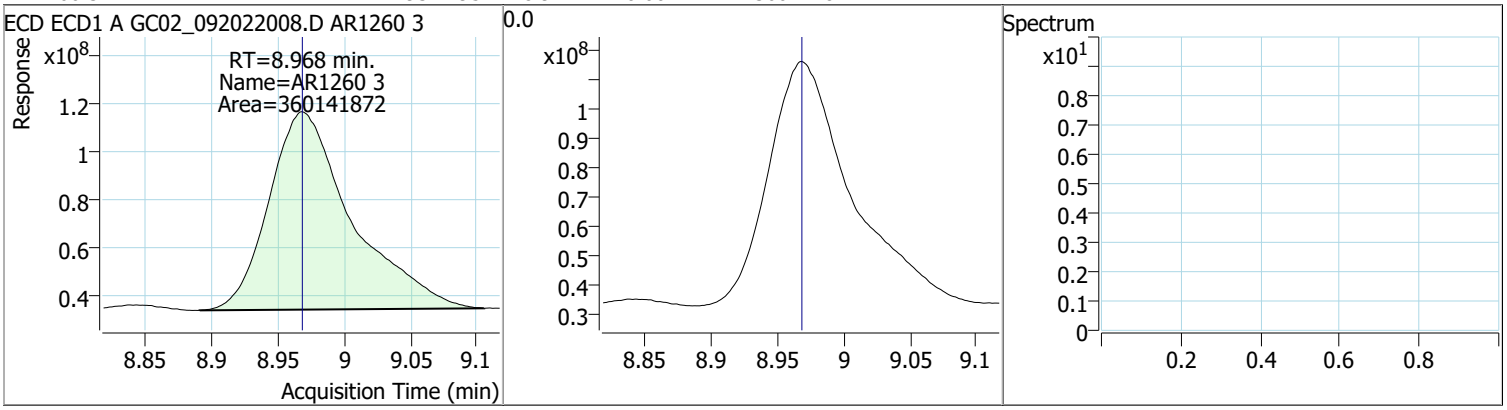
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	450.8001	7.86	0.00	188970167				



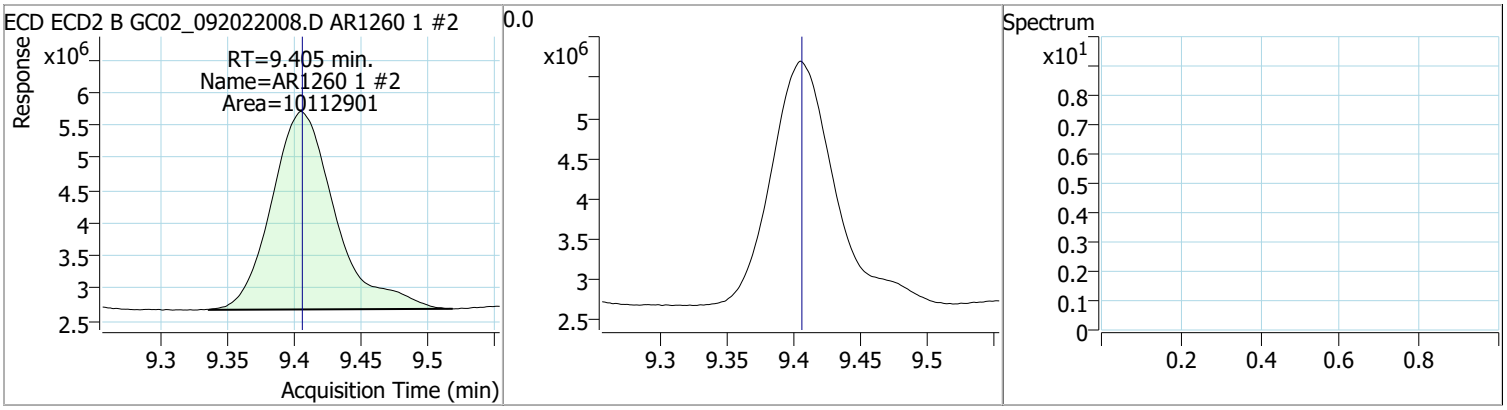
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	473.5757	8.37	0.00	303452456				



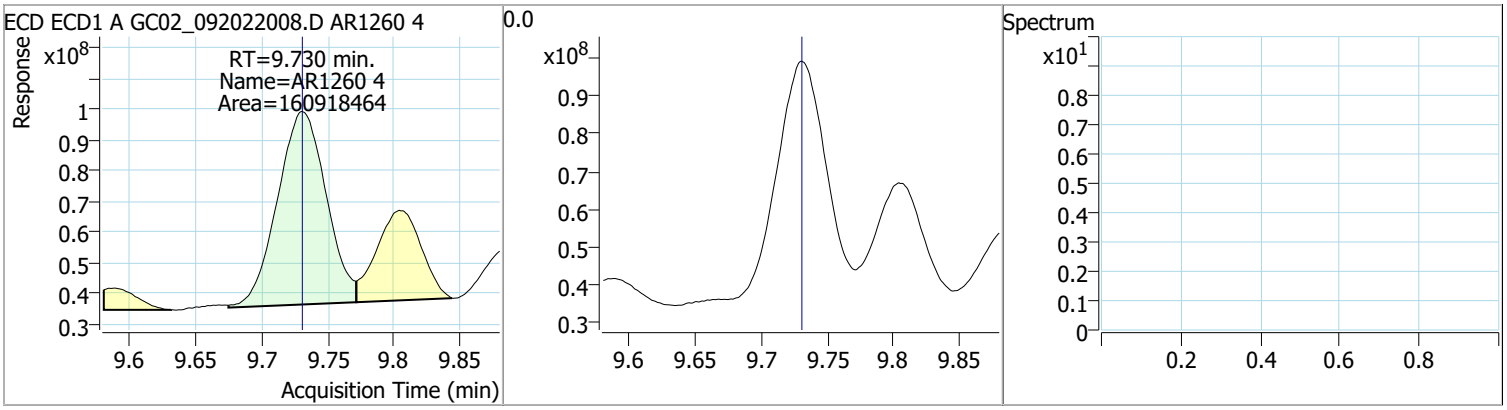
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	493.4495	8.97	0.00	360141872				



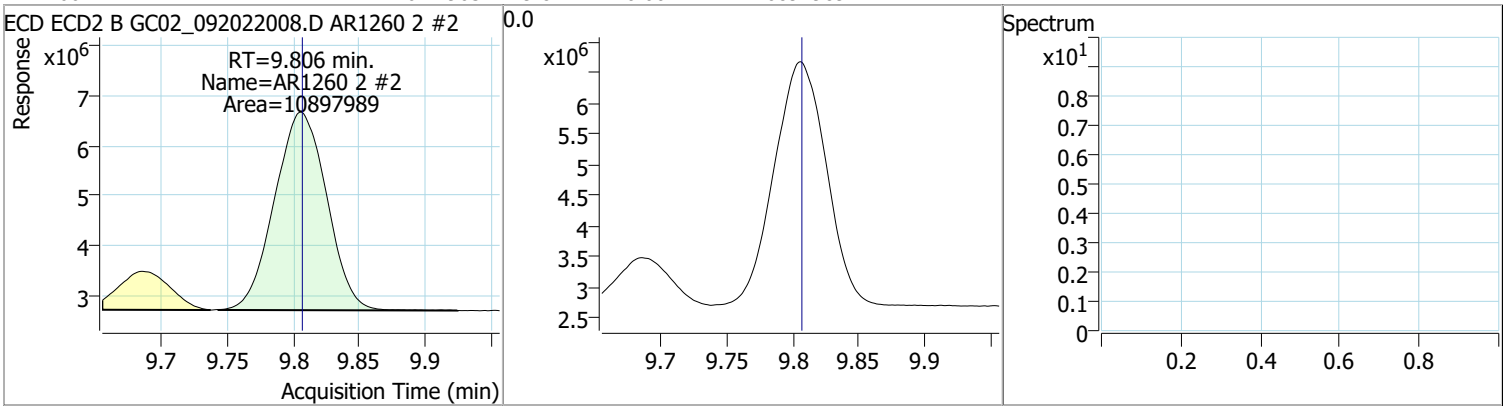
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	485.3324	9.40	0.00	10112901				



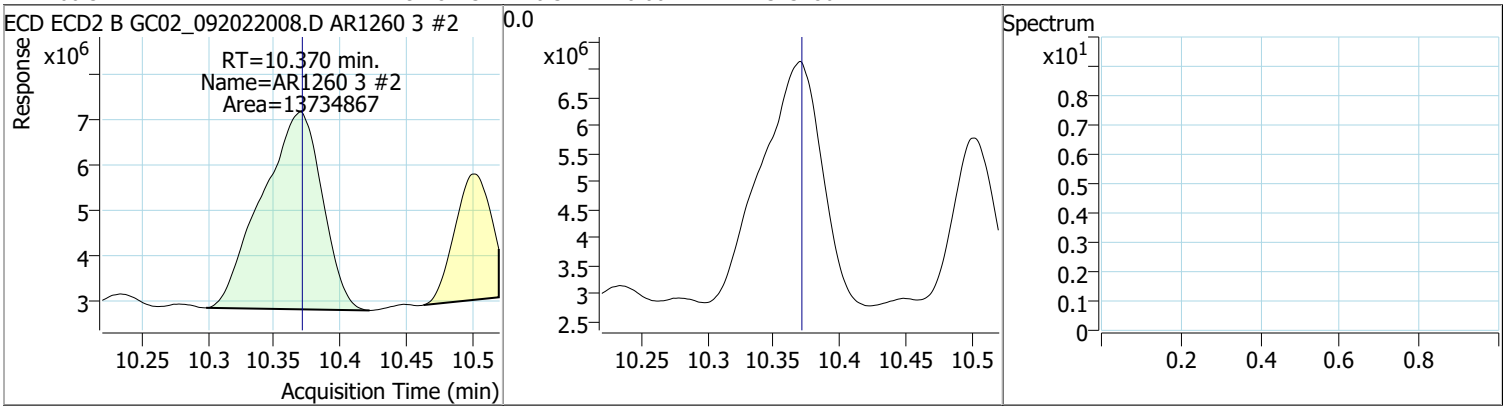
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	373.1954	9.73	0.00	160918464				



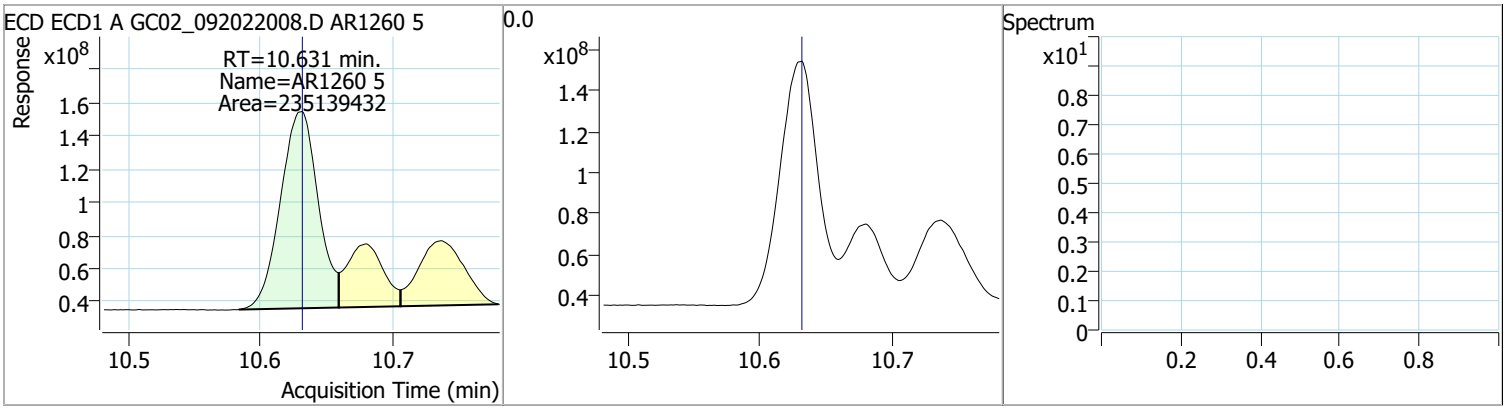
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	464.1903	9.81	0.00	10897989				



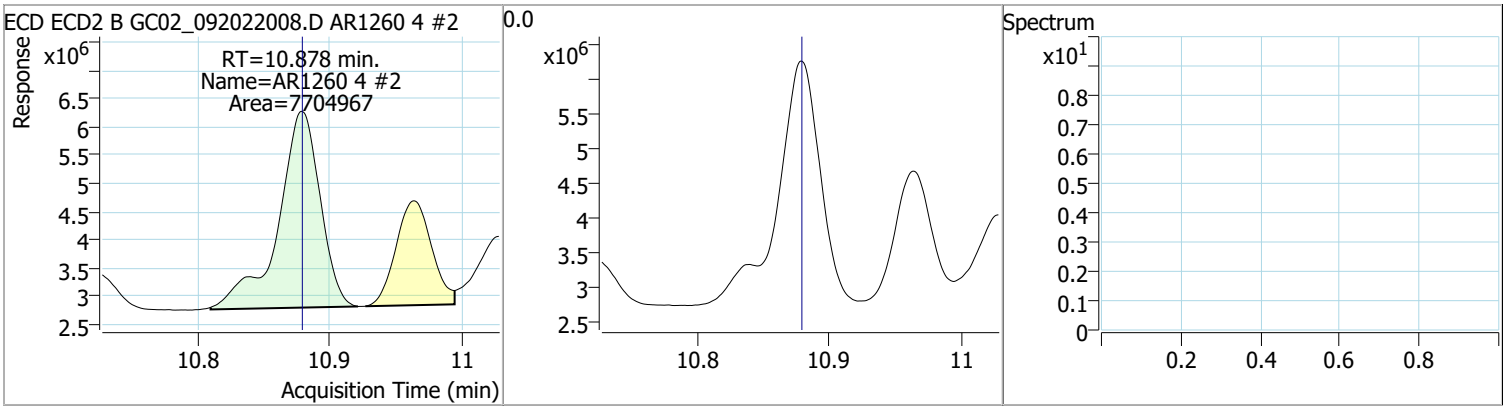
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	491.8713	10.37	0.00	13734867				



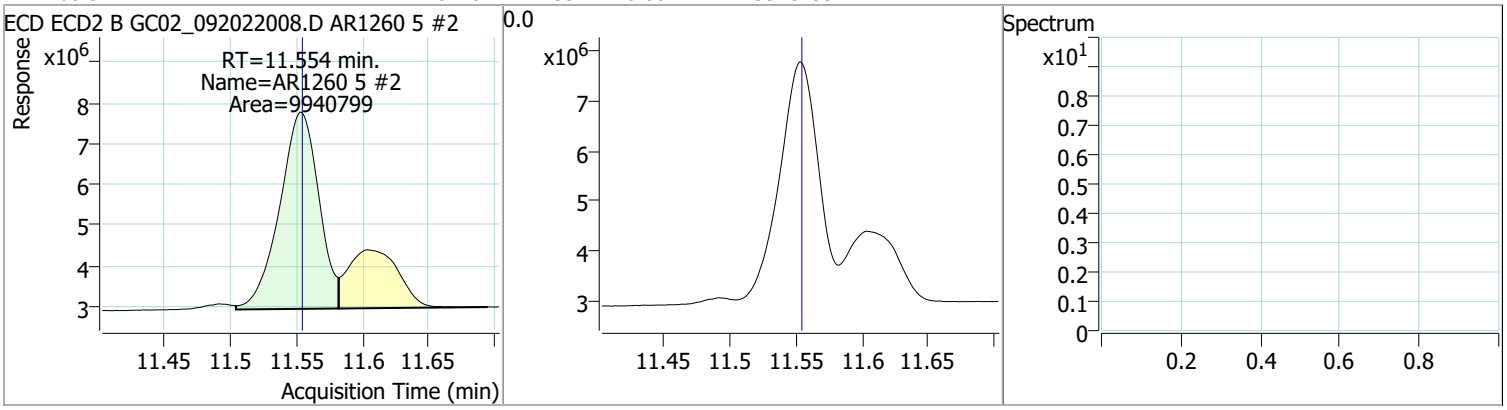
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	417.0274	10.63	0.00	235139432				



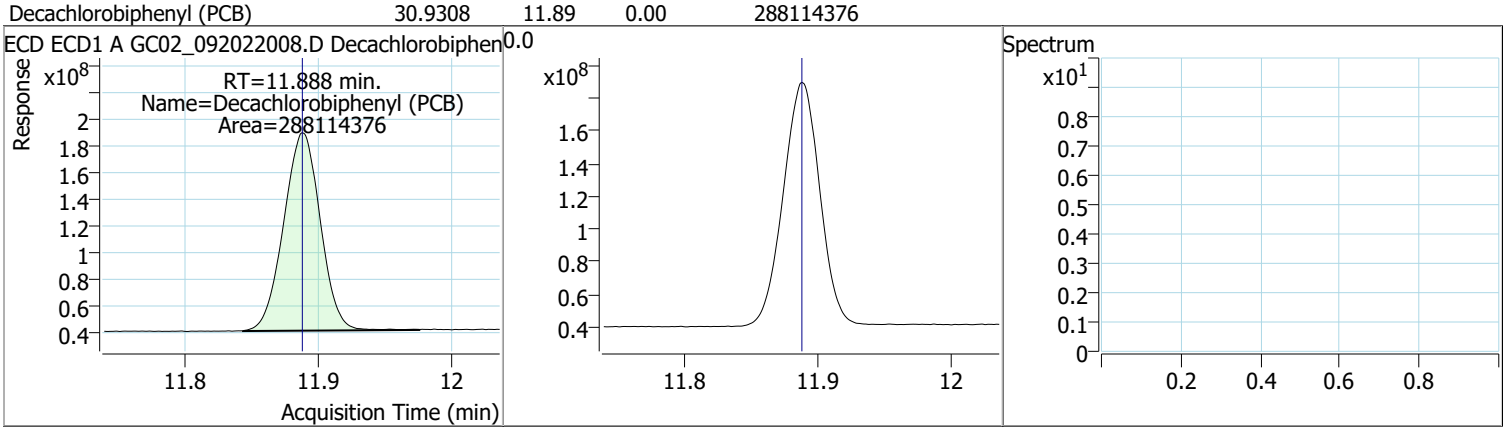
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	479.0524	10.88	0.00	7704967				



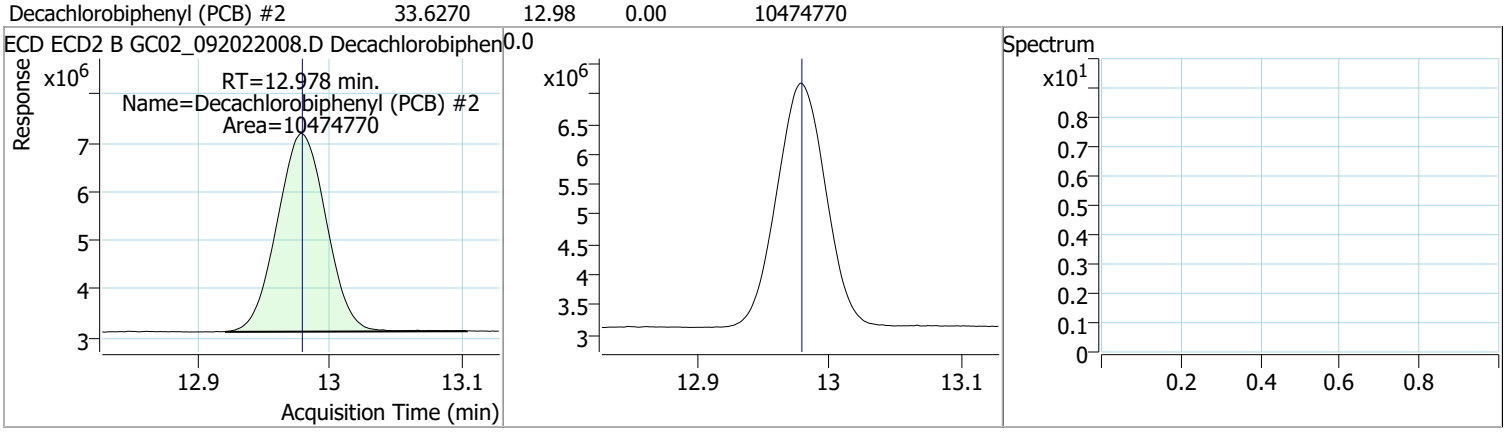
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	417.6770	11.55	0.00	9940799				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.9308	11.89	0.00	288114376				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.6270	12.98	0.00	10474770				



ENTHALPY CONTINUING CALIBRATION FOR 469273 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02			IDF:	1.0
Seqnum:	212382352004	File:	gc02_092222-004	Time:	22-SEP-2022 13:08
Cal:	212360956002	Caldate:	07-SEP-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	424.3	ug/L	-15	15	0.0000	
Aroclor-1260	A			500.0	442.8	ug/L	-11	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1908	2.2880	20.00	38.43	ug/L	**92**	15	0.0000	c+
TCMX (PCB)	A	0.9461	1.8368	20.00	38.83	ug/L	**94**	15	0.0000	c+
Aroclor-1016	B			500.0	447.2	ug/L	-11	15	0.0000	
Aroclor-1260	B			500.0	479.6	ug/L	-4	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1975	2.3200	20.00	38.75	ug/L	**94**	15	0.0000	c+
TCMX (PCB)	B	1.0387	1.9339	20.00	37.24	ug/L	**86**	15	0.0000	c+

ISTD (ICAL gc02_090722-064)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5182277	5891658	13.69
1-bromo-2-nitrobenzene (PCB)	A	111745233	188314132	68.52

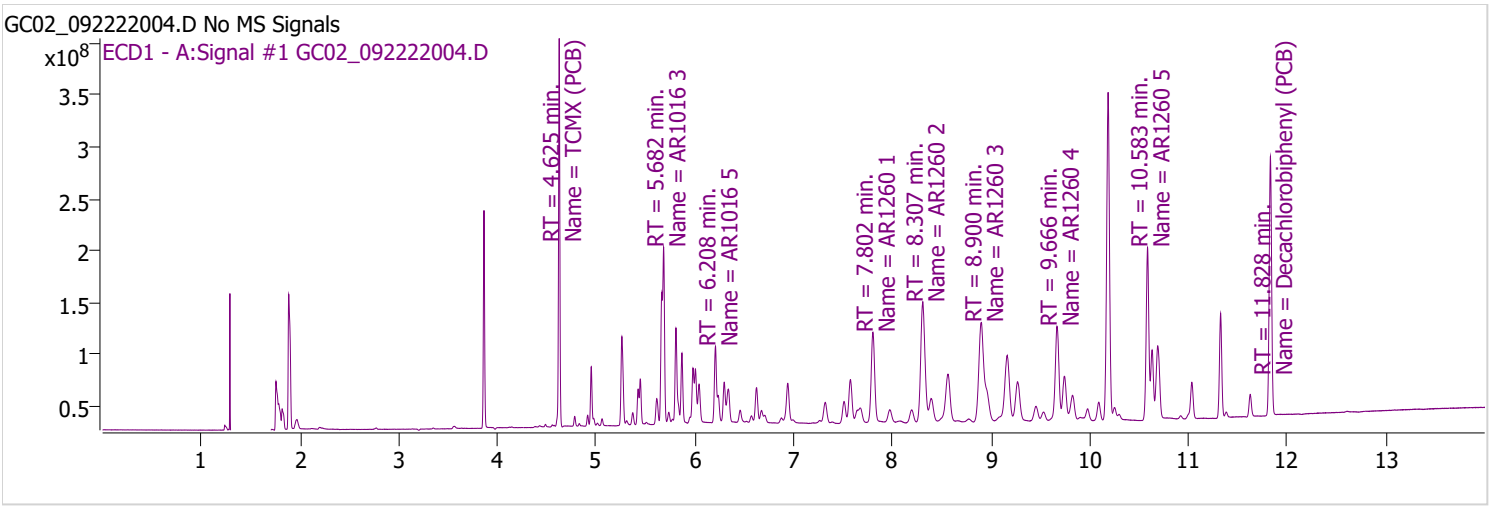
TRN 09/22/22 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

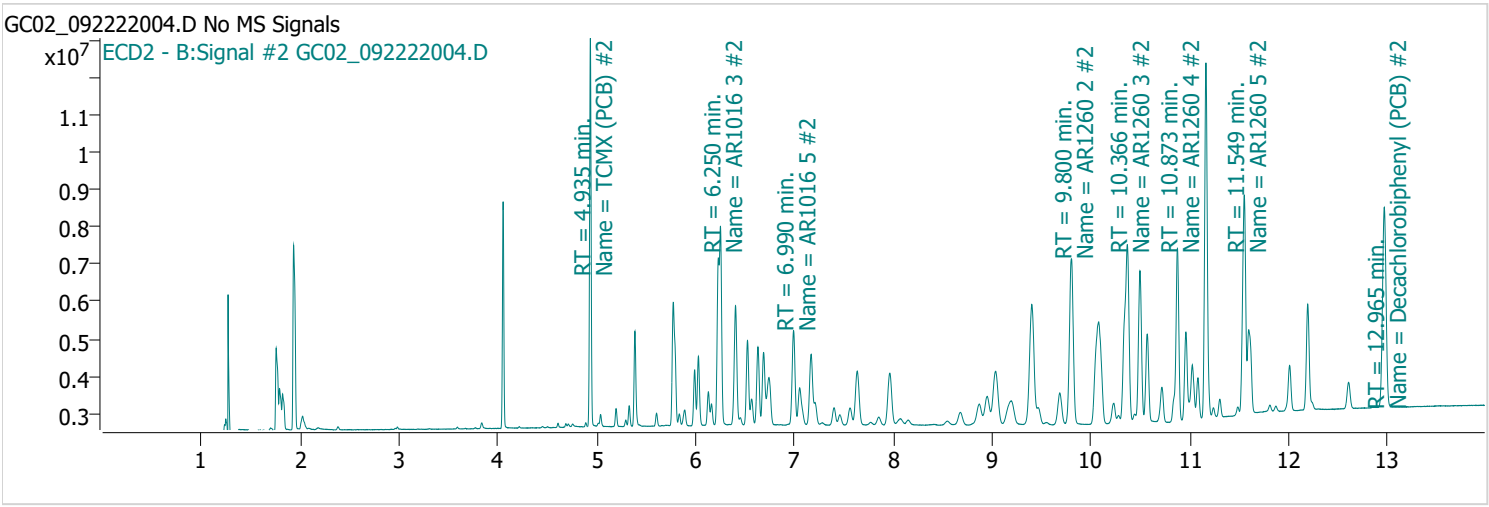
+=high bias c=CCV

Analyst: TRN 09/22/22 **Reviewer:** LW 09/23/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092222004.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/22/2022 1:08:29 PM
Sample Name	CCV, S17055	Instrument	SVOA-GC02
Vial	144	Multiplier	1.00
DA Method File	PCB_608_090722_GC02_10.m	Comment	500ppb PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	092222_PCB.batch.bin	Last Calib Update	9/8/2022 10:28:03 AM
Ref Library			



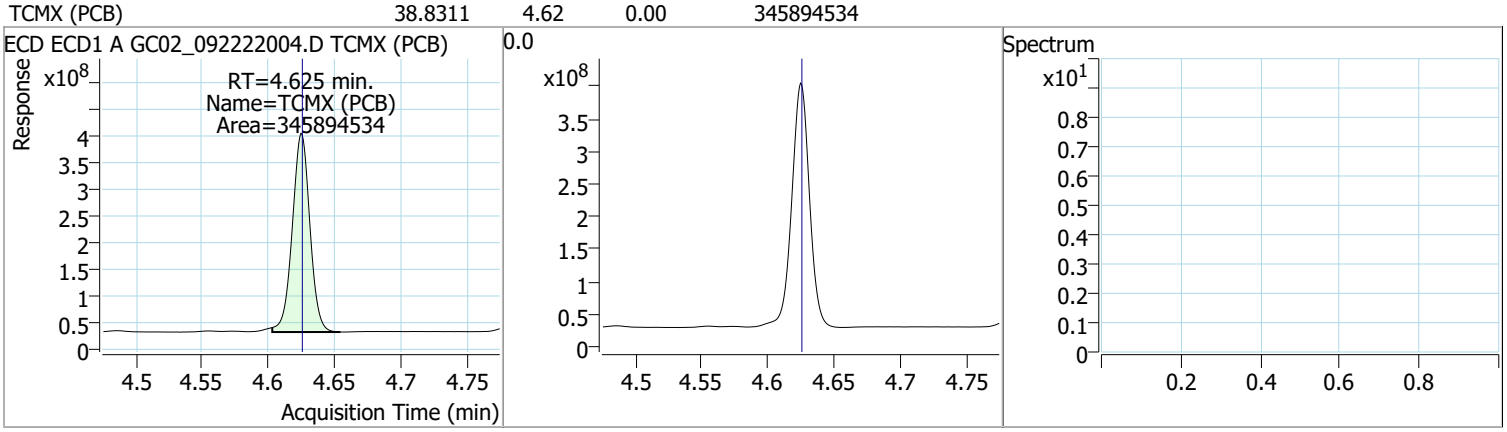


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.863	0.0	188314131.528	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.052	0.0	5891658.122	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.625	0.0	345894534.356	38.8311	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.16%		*	
S TCMX (PCB) #2	4.935	0.0	11393744.654	37.2369	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.18%		*	
S Decachlorobiphenyl (PCB)	11.828	0.0	430867574.923	38.4300	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.15%		*	
S Decachlorobiphenyl (PCB) #2	12.965	0.0	13668722.044	38.7481	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.74%		*	
Target Compounds							QValue

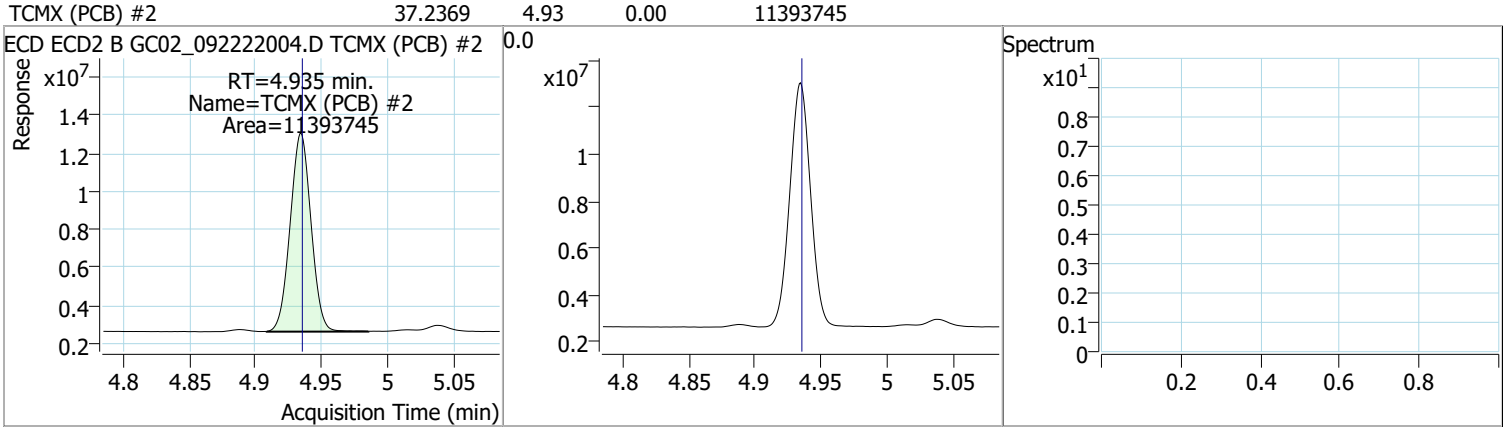
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.950	0.0	62138913.379	375.1862	ng/ml		100
T AR1016 2	5.260	0.0	128190220.345	400.9326	ng/ml		100
T AR1016 1 #2	5.385	0.0	3338383.982	448.4367	ng/ml		100
T AR1016 3	5.682	0.0	216317791.887	448.9256	ng/ml	m	100
T AR1016 2 #2	5.773	0.0	6844002.761	455.3322	ng/ml		100
T AR1016 4	5.807	0.0	136409945.283	480.8005	ng/ml		100
T AR1016 5	6.208	0.0	108650331.060	415.8000	ng/ml	m	100
T AR1016 3 #2	6.250	0.0	8495158.305	466.1834	ng/ml	m	100
T AR1016 4 #2	6.403	0.0	5975823.241	415.8453	ng/ml		100
T AR1016 5 #2	6.990	0.0	5215101.192	450.2536	ng/ml		100
T AR1260 1	7.802	0.0	213825584.028	423.7911	ng/ml		100
T AR1260 2	8.307	0.0	347700419.922	450.8223	ng/ml		100
T AR1260 3	8.900	0.0	399895317.704	458.0658	ng/ml		100
T AR1260 1 #2	9.400	0.0	11180814.344	473.8225	ng/ml		100
T AR1260 4	9.666	0.0	219650808.477	423.2185	ng/ml		100
T AR1260 2 #2	9.800	0.0	11806317.698	444.0612	ng/ml		100
T AR1260 3 #2	10.366	0.0	14671144.800	463.9484	ng/ml		100
T AR1260 5	10.583	0.0	310792403.261	457.9424	ng/ml		100
T AR1260 4 #2	10.873	0.0	9750377.396	535.3186	ng/ml		100
T AR1260 5 #2	11.549	0.0	12967625.032	481.1255	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

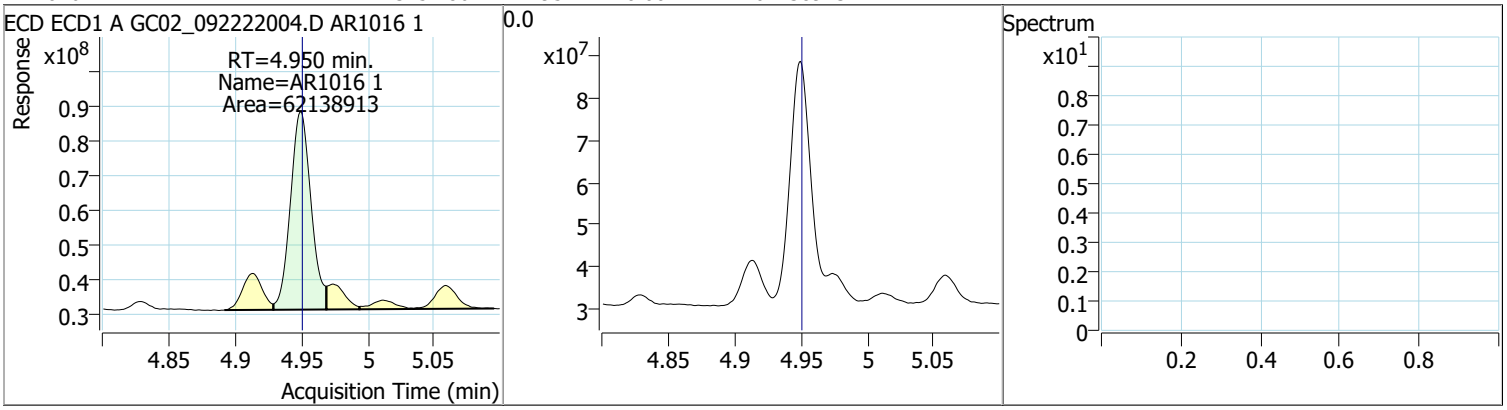
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.8311	4.62	0.00	345894534				



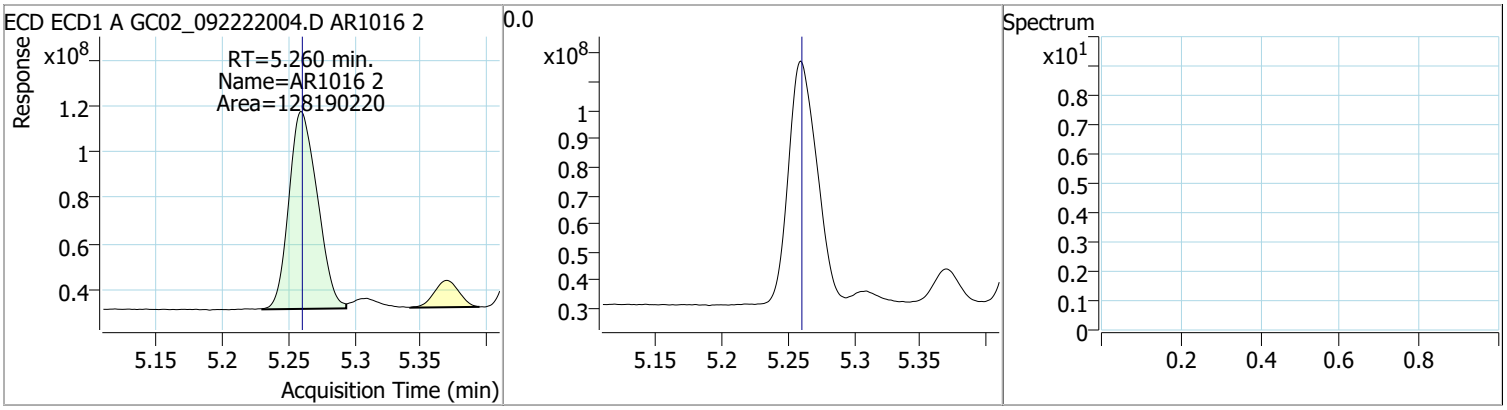
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.2369	4.93	0.00	11393745				



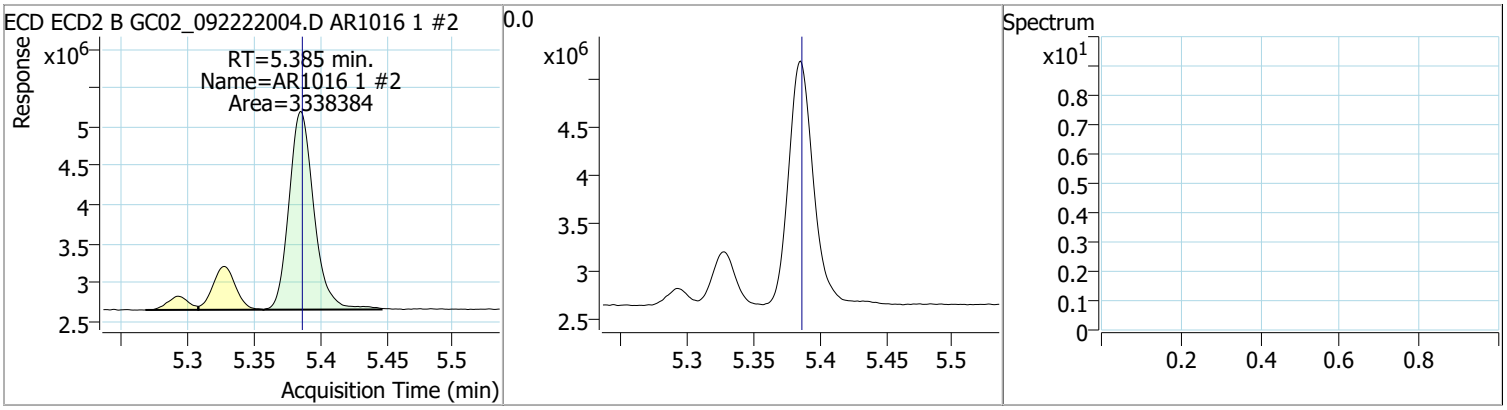
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	375.1862	4.95	0.00	62138913				



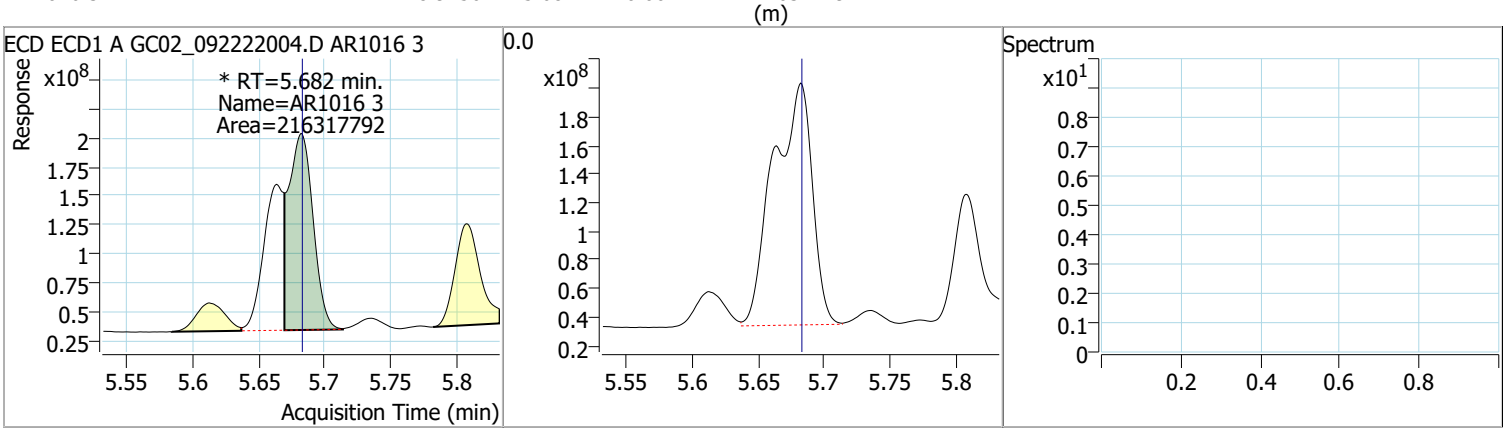
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	400.9326	5.26	0.00	128190220				



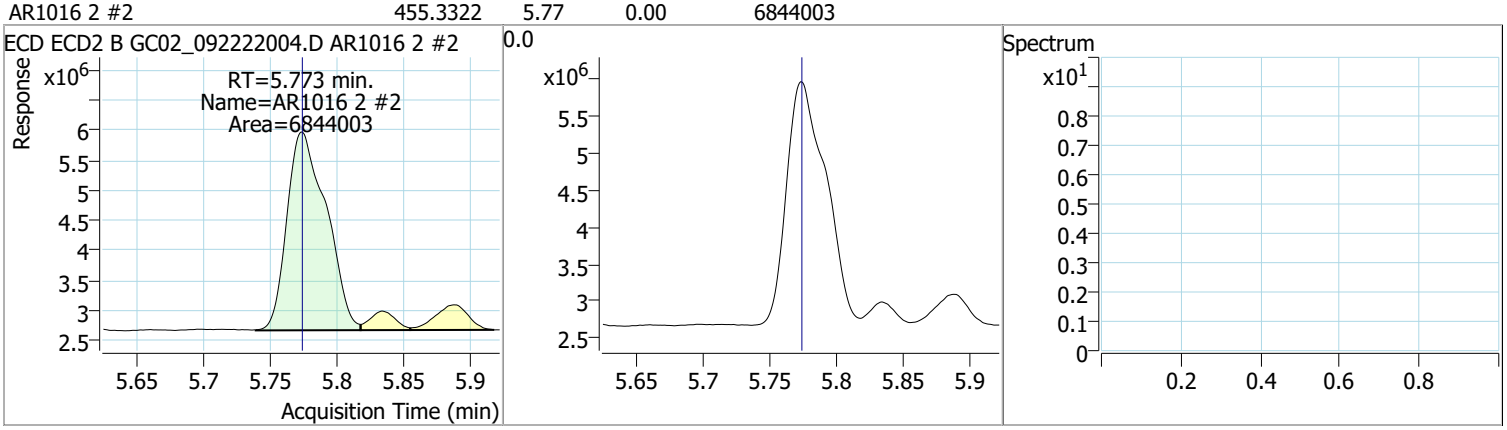
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	448.4367	5.39	0.00	3338384				



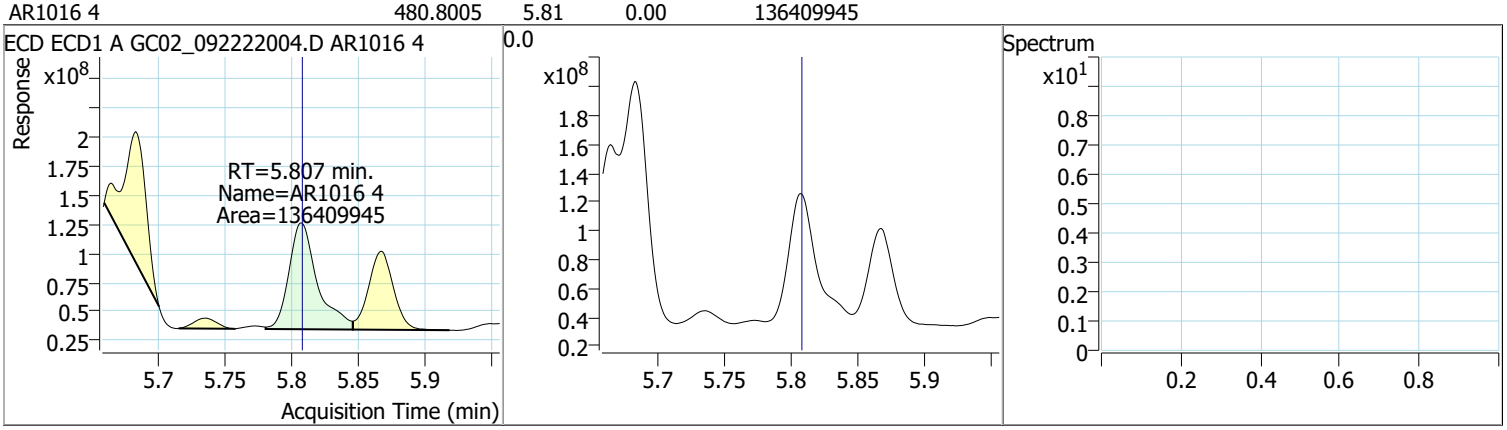
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	448.9256	5.68	0.00	216317792 (m)				



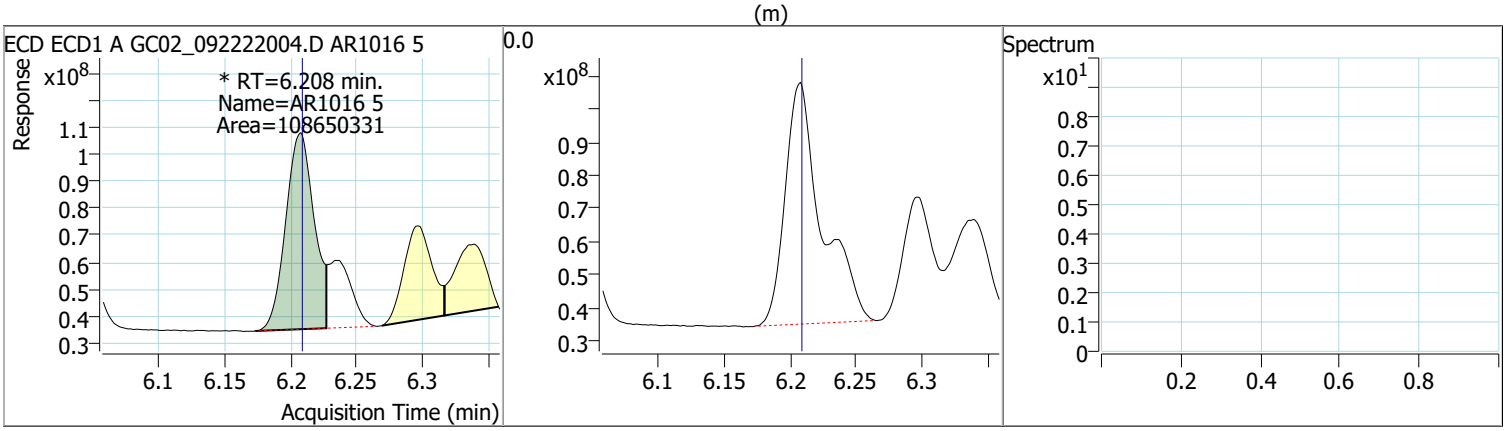
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	455.3322	5.77	0.00	6844003				



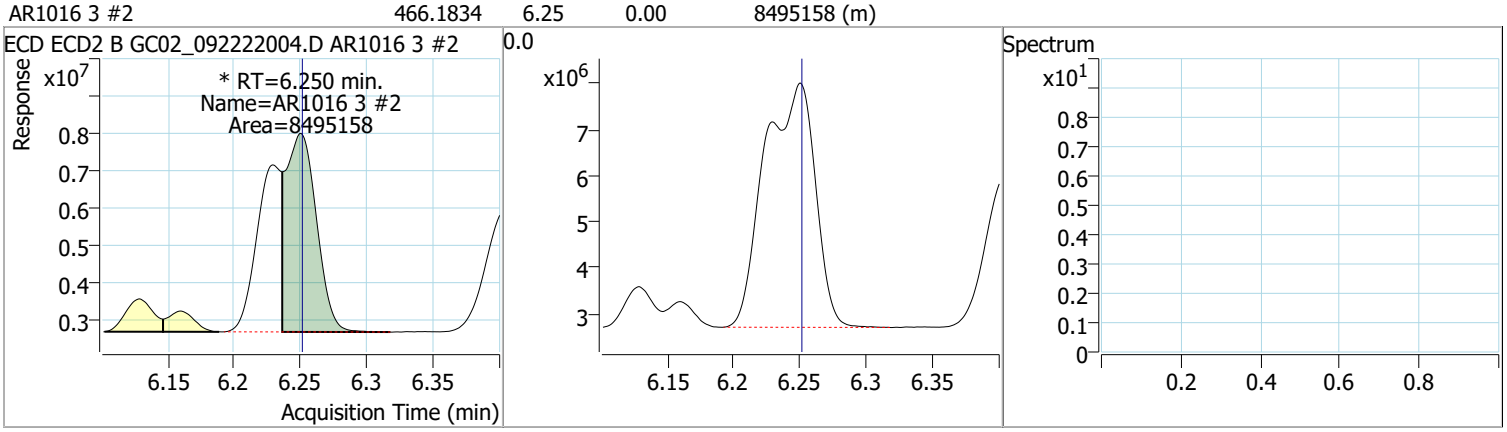
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	480.8005	5.81	0.00	136409945				



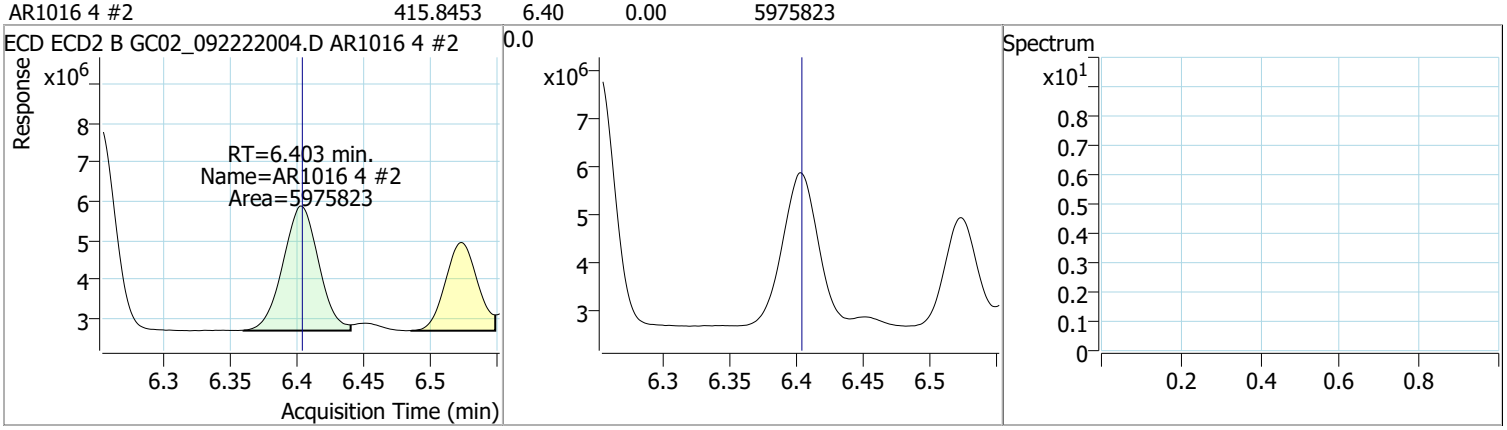
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	415.8000	6.21	0.00	108650331 (m)				



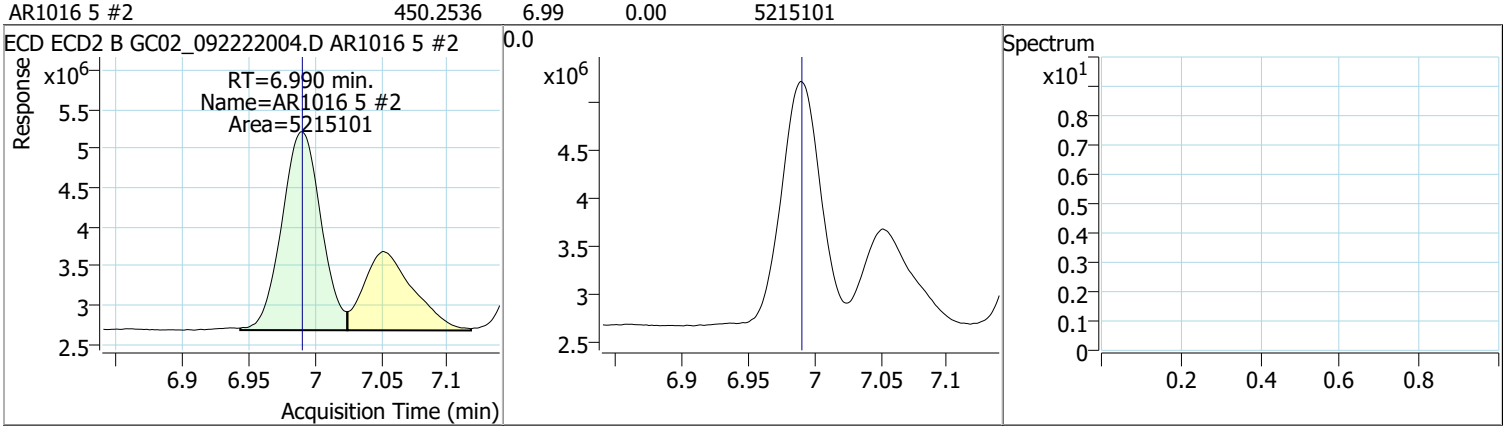
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	466.1834	6.25	0.00	8495158 (m)				



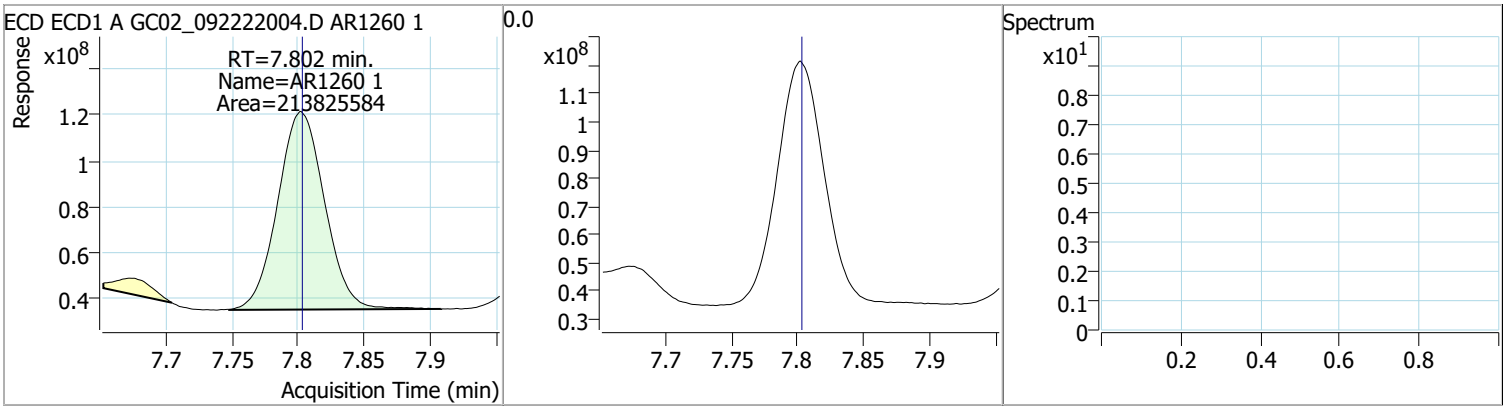
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	415.8453	6.40	0.00	5975823				



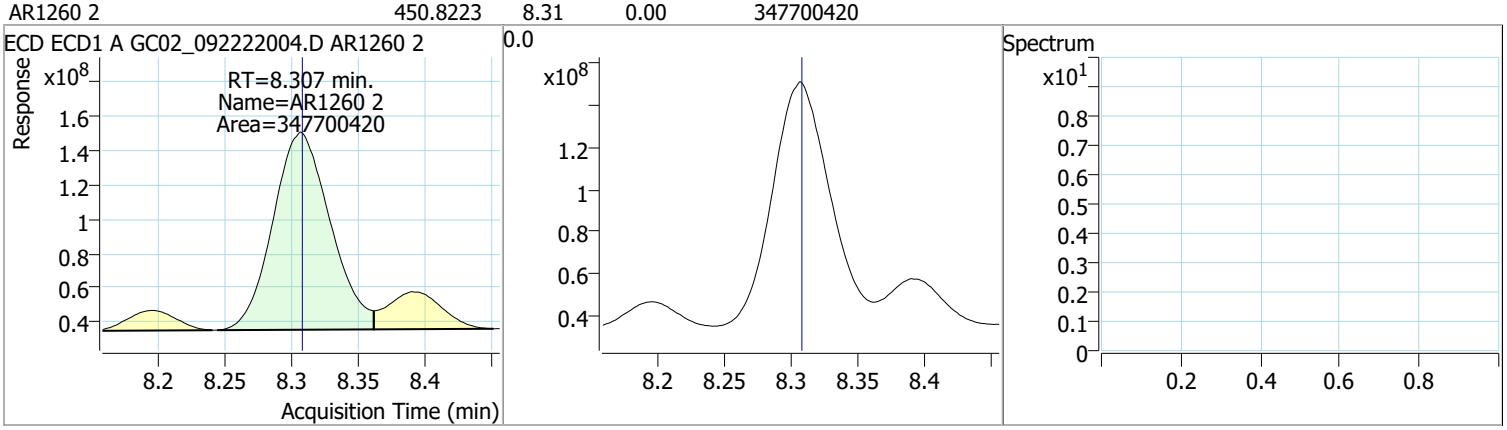
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	450.2536	6.99	0.00	5215101				



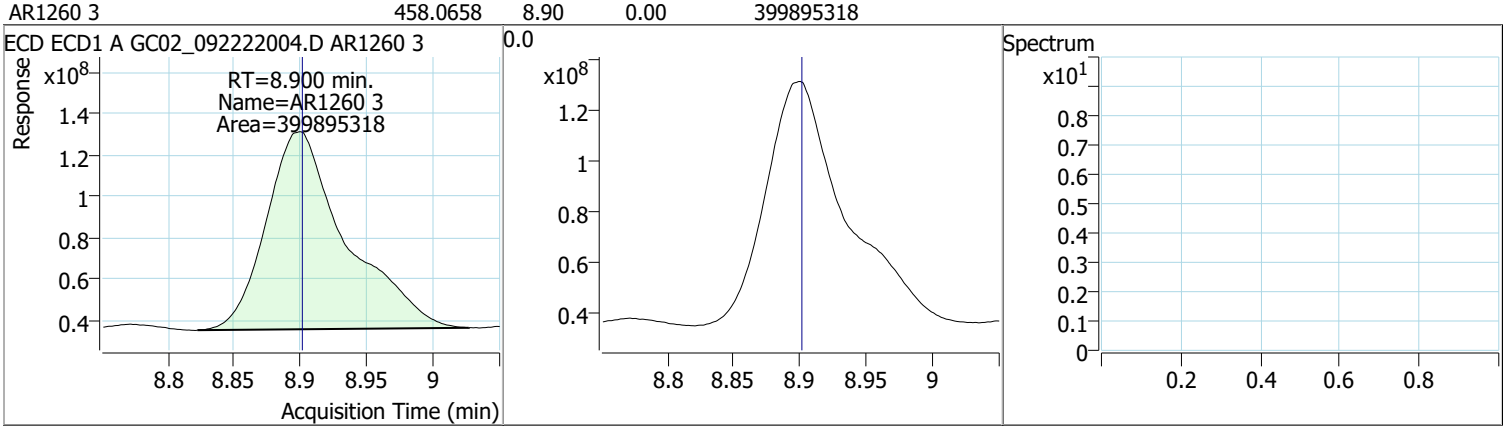
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	423.7911	7.80	0.00	213825584				



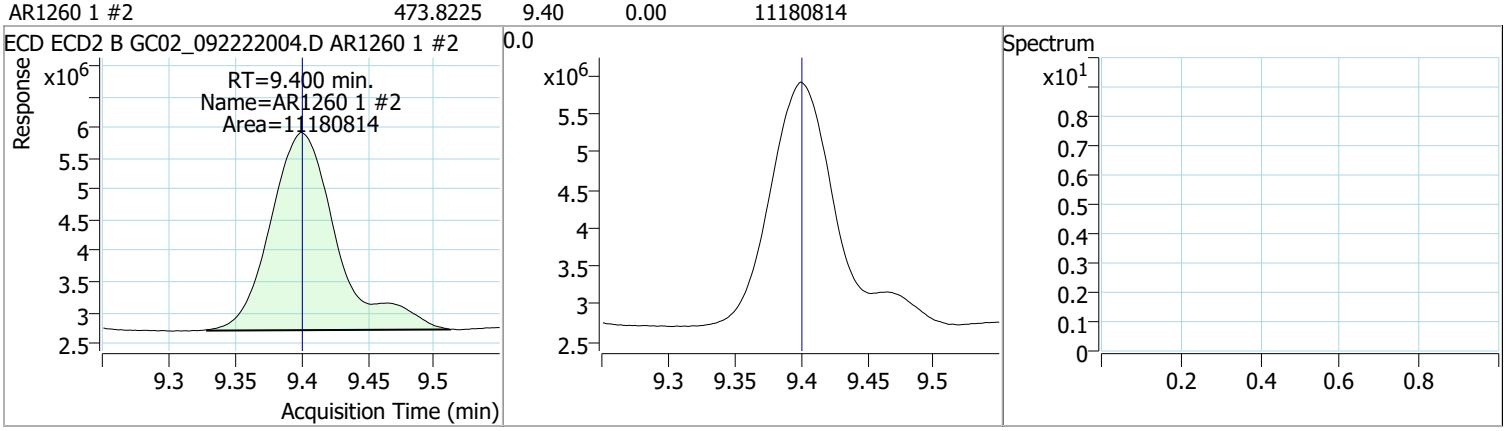
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	450.8223	8.31	0.00	347700420				



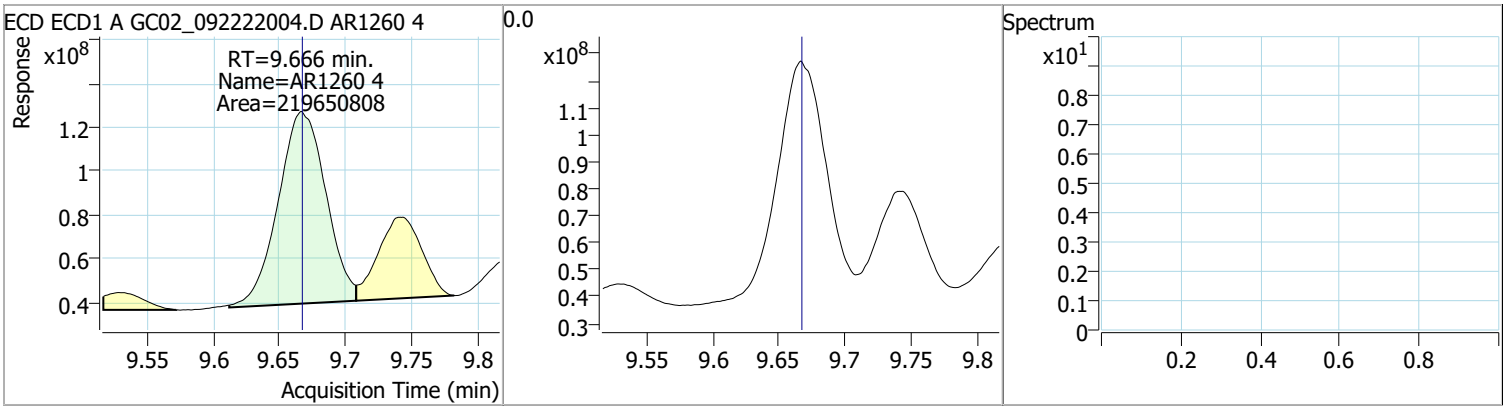
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	458.0658	8.90	0.00	399895318				



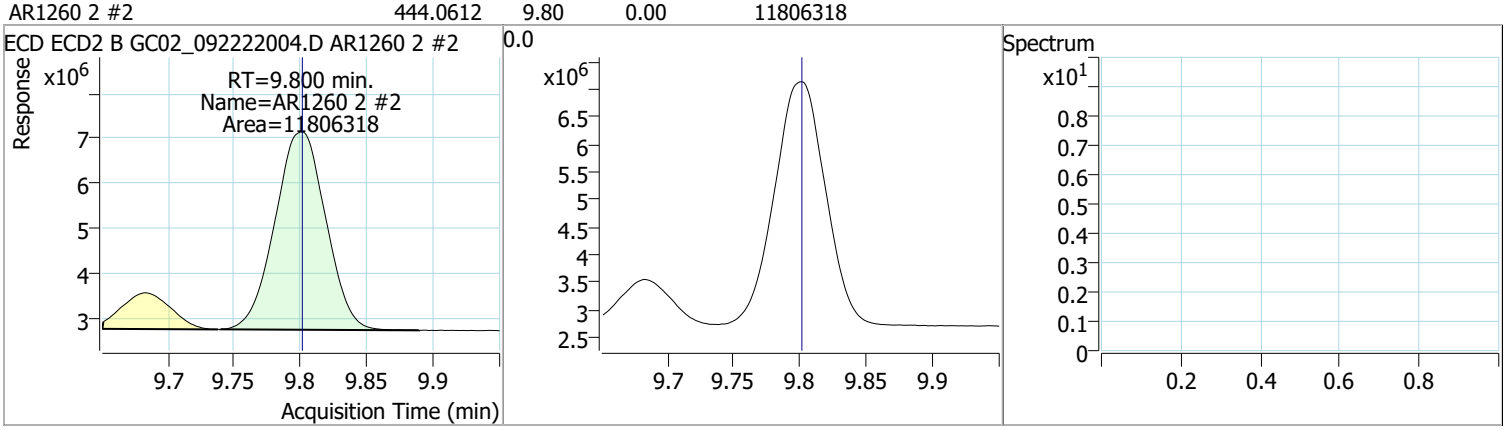
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	473.8225	9.40	0.00	11180814				



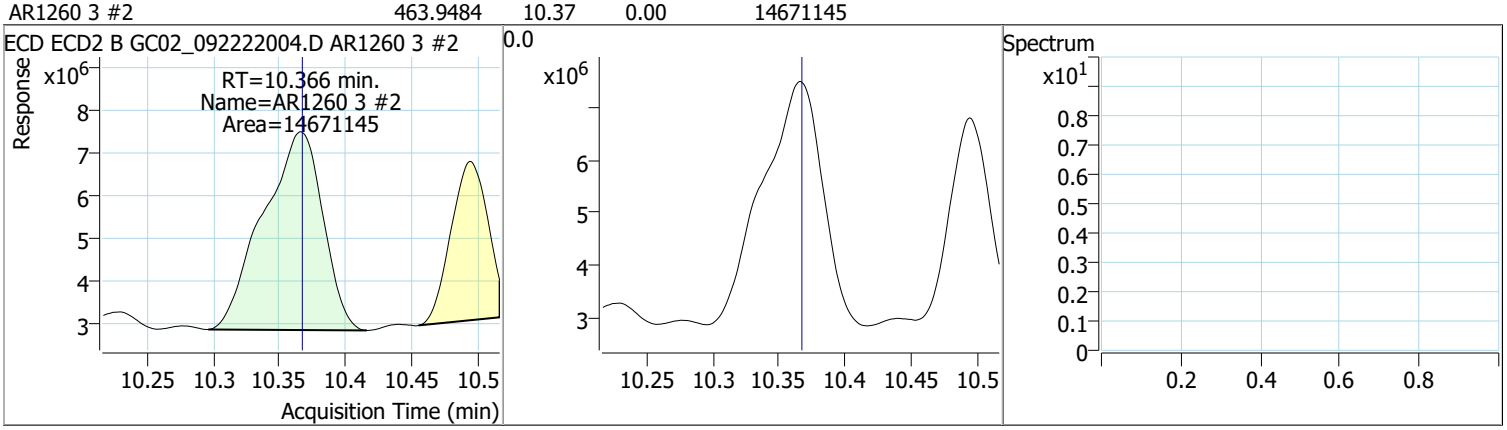
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	423.2185	9.67	0.00	219650808				



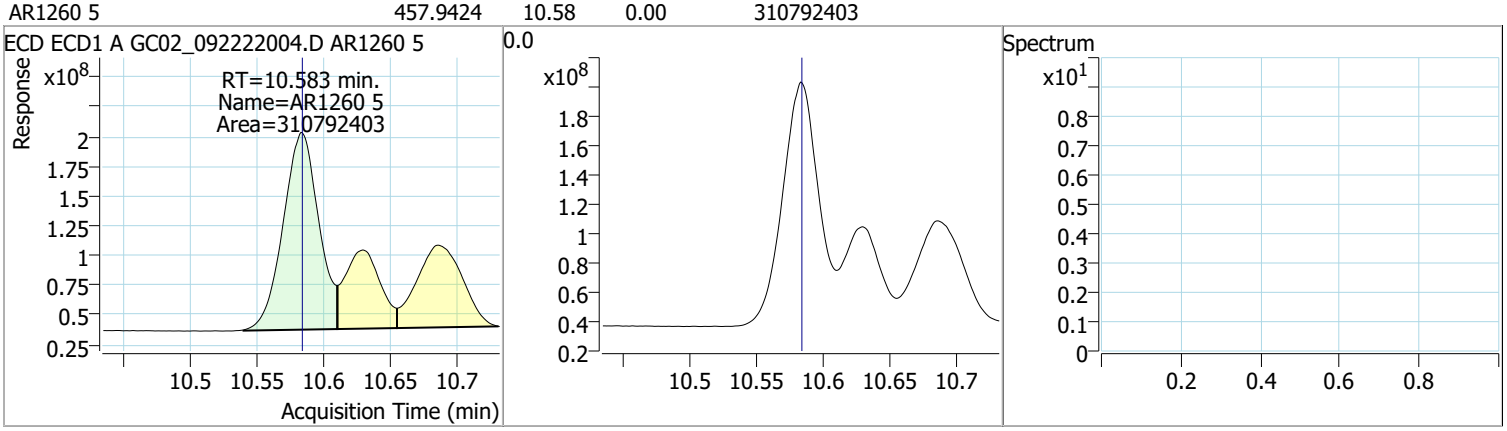
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	444.0612	9.80	0.00	11806318				



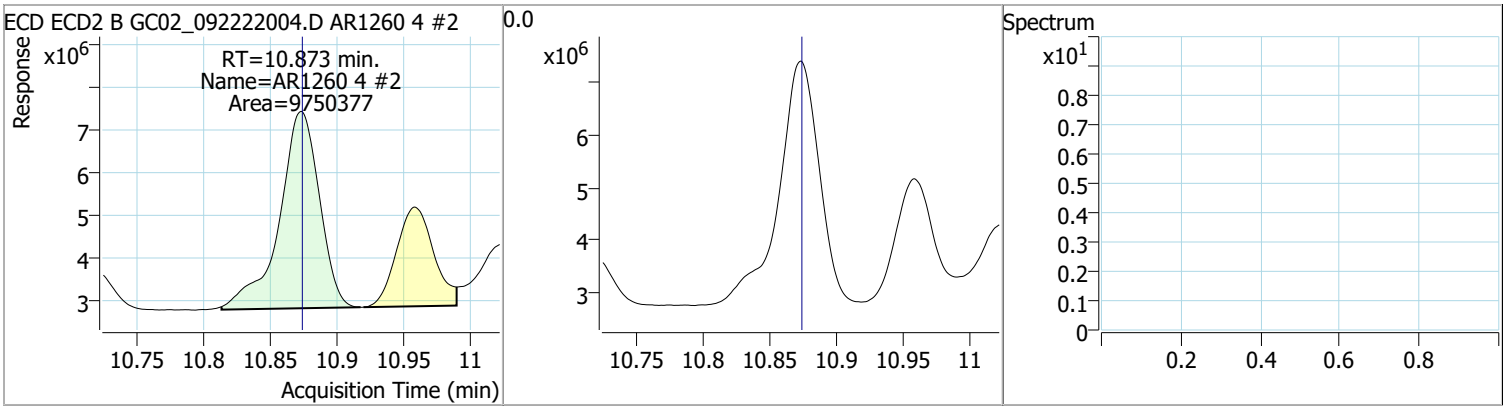
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	463.9484	10.37	0.00	14671145				



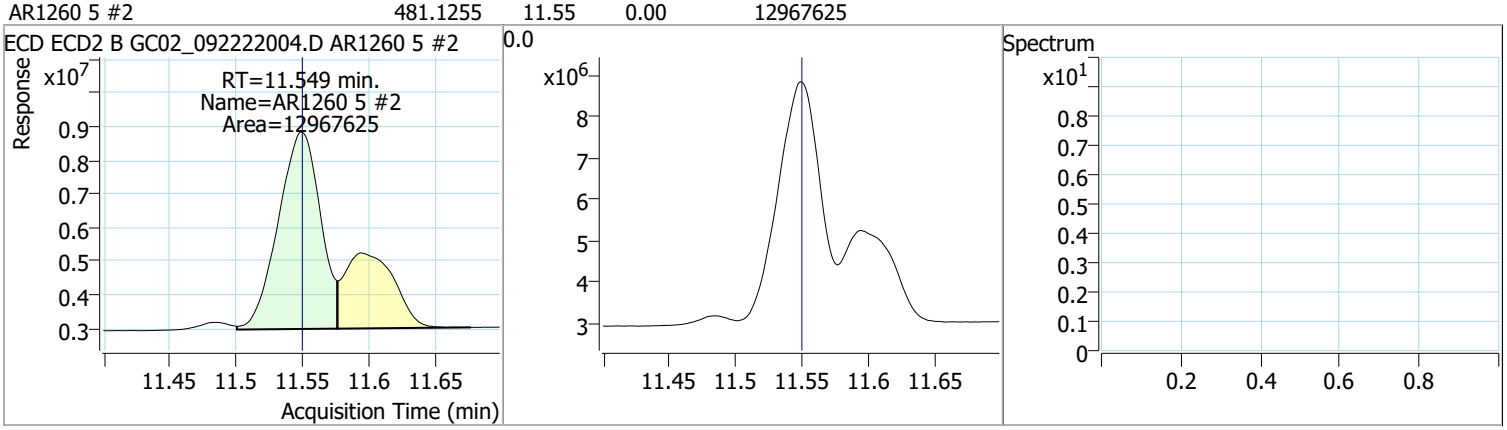
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	457.9424	10.58	0.00	310792403				



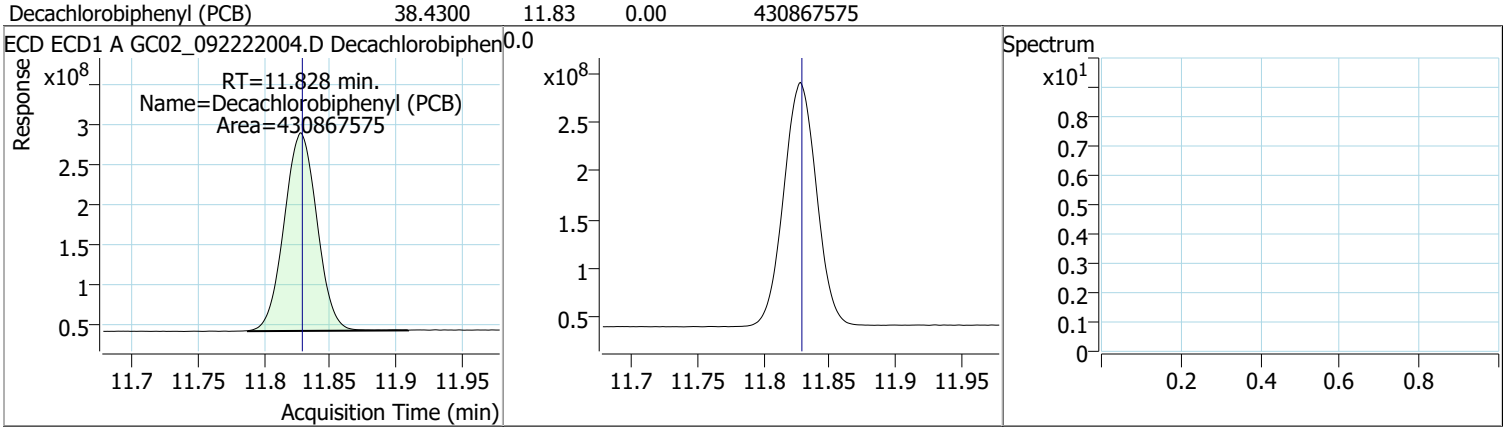
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	535.3186	10.87	0.00	9750377				



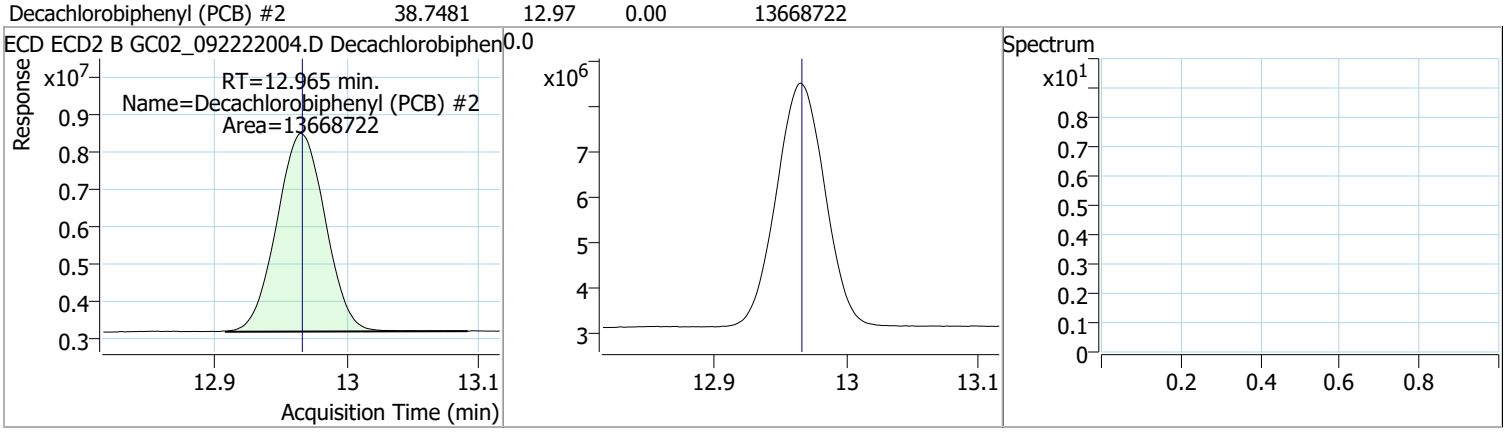
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	481.1255	11.55	0.00	12967625				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.4300	11.83	0.00	430867575				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.7481	12.97	0.00	13668722				



ENTHALPY CONTINUING CALIBRATION FOR 469273 PCBS Wipe

EPA 8082

Inst:	SVOA-GC02			IDF:	1.0
Seqnum:	212383934038	File:	gc02_092322-038	Time:	23-SEP-2022 21:26
Cal:	212383934001	Caldate:	23-SEP-2022		

Standards: S17055

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	486.1	ug/L	-3	15	0.0000	
Aroclor-1260	A			500.0	516.9	ug/L	3	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1599	2.6721	20.00	46.08	ug/L	**130**	15	0.0000	c+
TCMX (PCB)	A	0.9704	1.9447	20.00	40.08	ug/L	**100**	15	0.0000	c+
Aroclor-1016	B			500.0	497.7	ug/L	0	15	0.0000	
Aroclor-1260	B			500.0	516.3	ug/L	3	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2920	2.7595	20.00	42.72	ug/L	**114**	15	0.0000	c+
TCMX (PCB)	B	1.0384	2.0281	20.00	39.06	ug/L	**95**	15	0.0000	c+

ISTD (ICAL gc02_092322-016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	5214365	6643719	27.41
1-bromo-2-nitrobenzene (PCB)	A	156103000	215524364	38.07

TRN 09/26/22 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

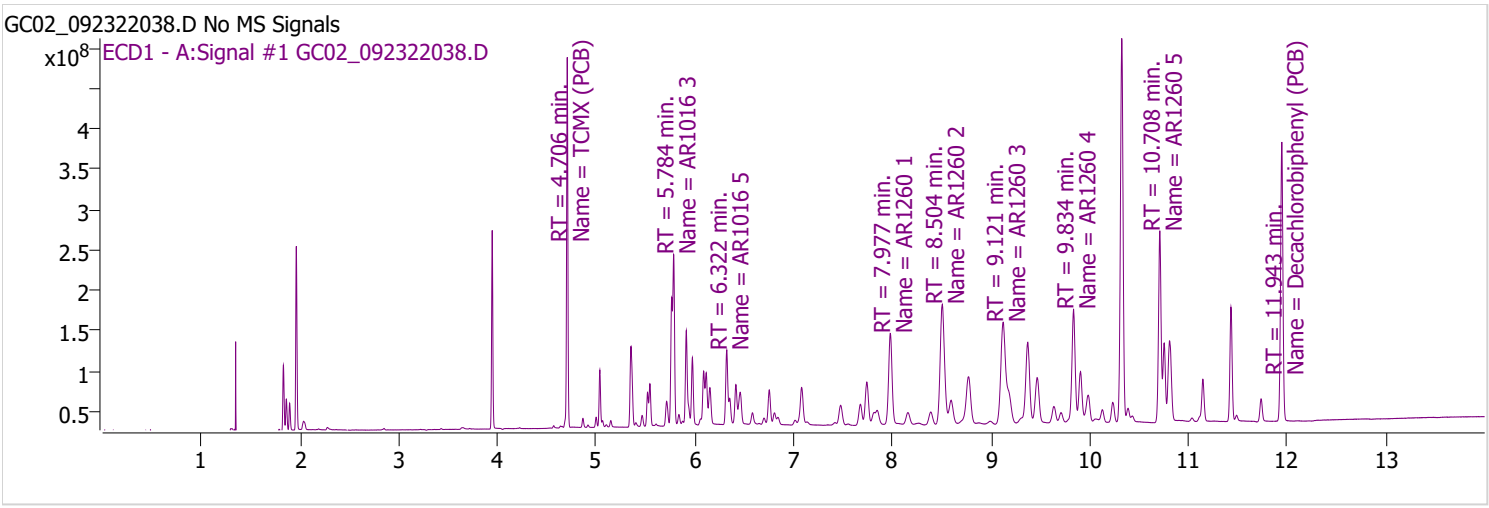
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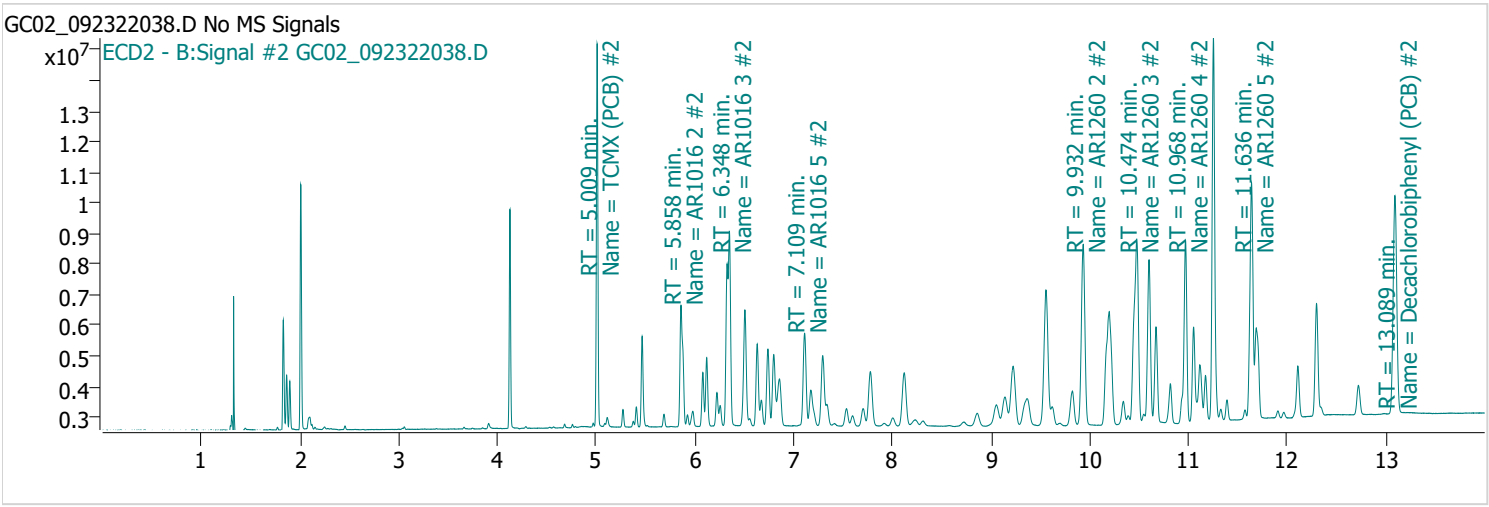
Analyst: TRN 09/26/22 *

Reviewer: SLL 09/26/22

Quantitation Results Report (Not Reviewed)

Data File	GC02_092322038.D	Operator	
Acq. Method	Acq_Pesticide_111221_1	Acq. Date-Time	9/23/2022 9:26:57 PM
Sample Name	CCV, S17055	Instrument	SVOA-GC02
Vial	144	Multiplier	1.00
DA Method File	PCB_608_092322_GC02_1.m	Comment	500ppb PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	092322PCB2.batch.bin	Last Calib Update	9/26/2022 10:28:10 AM
Ref Library			



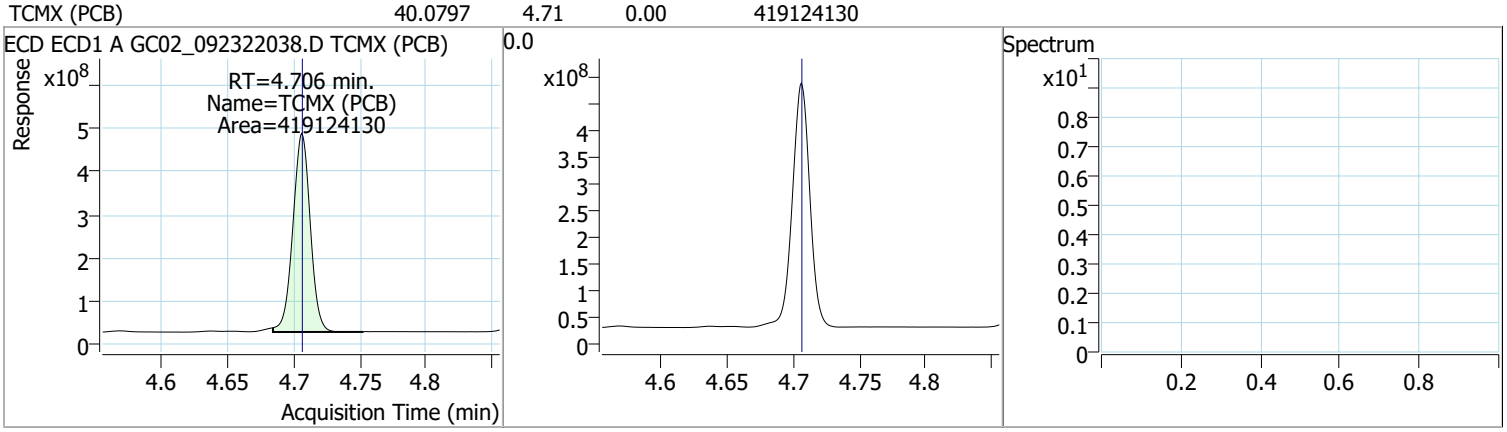


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.947	0.0	215524364.008	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	6643718.614	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	419124129.978	40.0797	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.40%		*	
S TCMX (PCB) #2	5.009	0.0	13474043.591	39.0616	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.31%		*	
S Decachlorobiphenyl (PCB)	11.943	0.0	575911558.797	46.0764	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.38%		*	
S Decachlorobiphenyl (PCB) #2	13.089	0.0	18333133.085	42.7181	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.59%		*	
Target Compounds							QValue

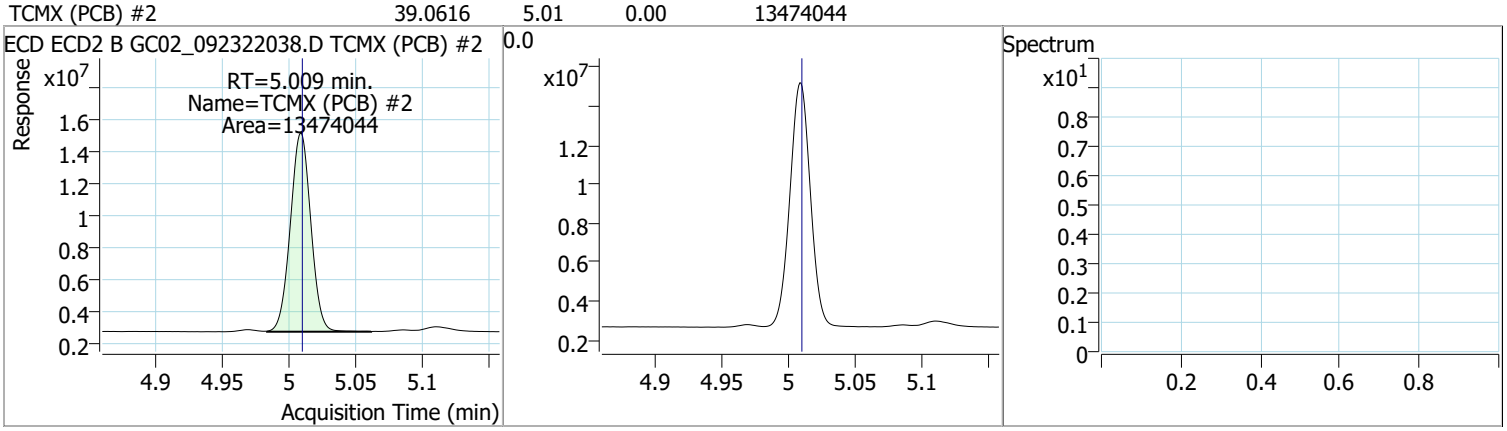
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.036	0.0	73915115.558	470.5267	ng/ml	100
T AR1016 2	5.352	0.0	156023500.380	460.6933	ng/ml	100
T AR1016 1 #2	5.464	0.0	3940000.297	496.0626	ng/ml	100
T AR1016 3	5.784	0.0	267809406.903	512.4104	ng/ml	100
T AR1016 2 #2	5.858	0.0	8193152.724	490.7799	ng/ml	100
T AR1016 4	5.912	0.0	170581769.707	493.9825	ng/ml	100
T AR1016 5	6.322	0.0	136985375.269	492.9457	ng/ml	100
T AR1016 3 #2	6.348	0.0	10230357.514	502.7189	ng/ml	100
T AR1016 4 #2	6.505	0.0	7251533.746	495.7405	ng/ml	100
T AR1016 5 #2	7.109	0.0	6303489.768	503.0698	ng/ml	100
T AR1260 1	7.977	0.0	276975808.246	507.0887	ng/ml	100
T AR1260 2	8.504	0.0	455178799.431	514.2420	ng/ml	100
T AR1260 3	9.121	0.0	453328304.169	459.3315	ng/ml	100
T AR1260 1 #2	9.554	0.0	12557614.422	503.5691	ng/ml	100
T AR1260 4	9.834	0.0	300388325.414	544.2701	ng/ml	100
T AR1260 2 #2	9.932	0.0	14656656.002	503.9982	ng/ml	100
T AR1260 3 #2	10.474	0.0	18223113.439	512.2663	ng/ml	100
T AR1260 5	10.708	0.0	423789326.330	559.7267	ng/ml	100
T AR1260 4 #2	10.968	0.0	11713423.934	539.4588	ng/ml	100
T AR1260 5 #2	11.636	0.0	17016674.749	522.2600	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

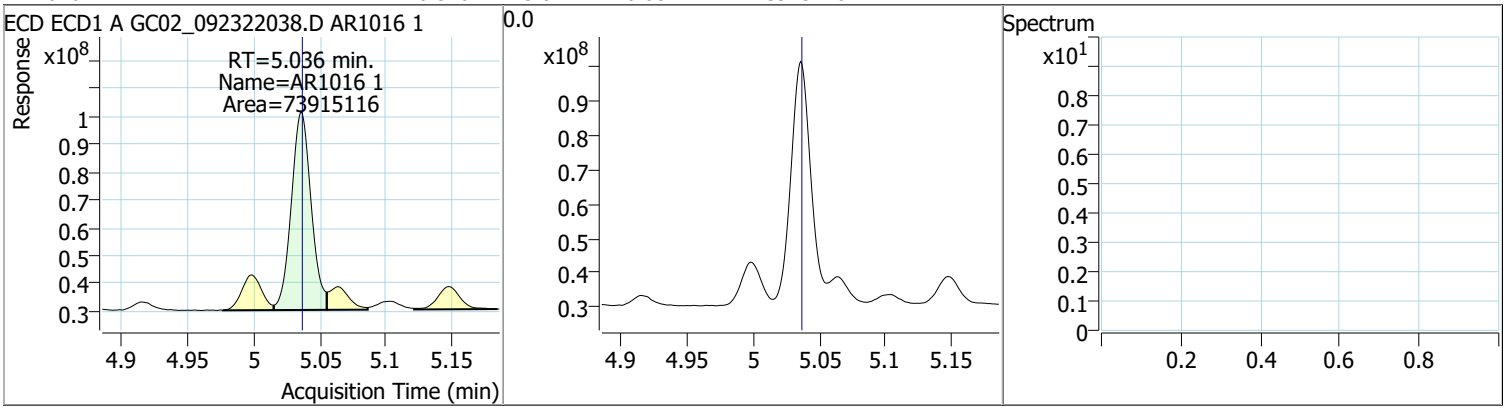
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.0797	4.71	0.00	419124130				



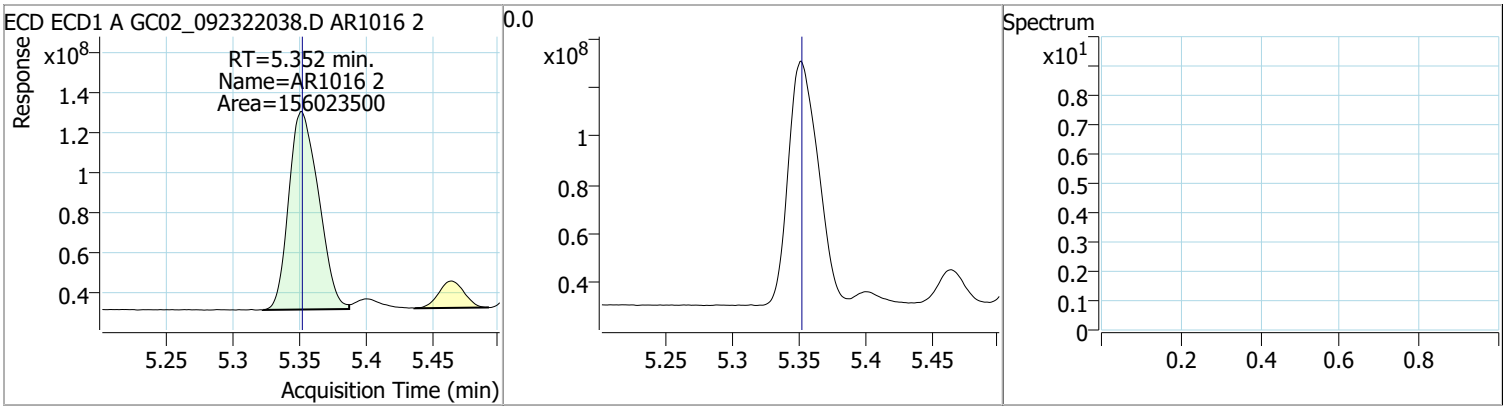
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.0616	5.01	0.00	13474044				



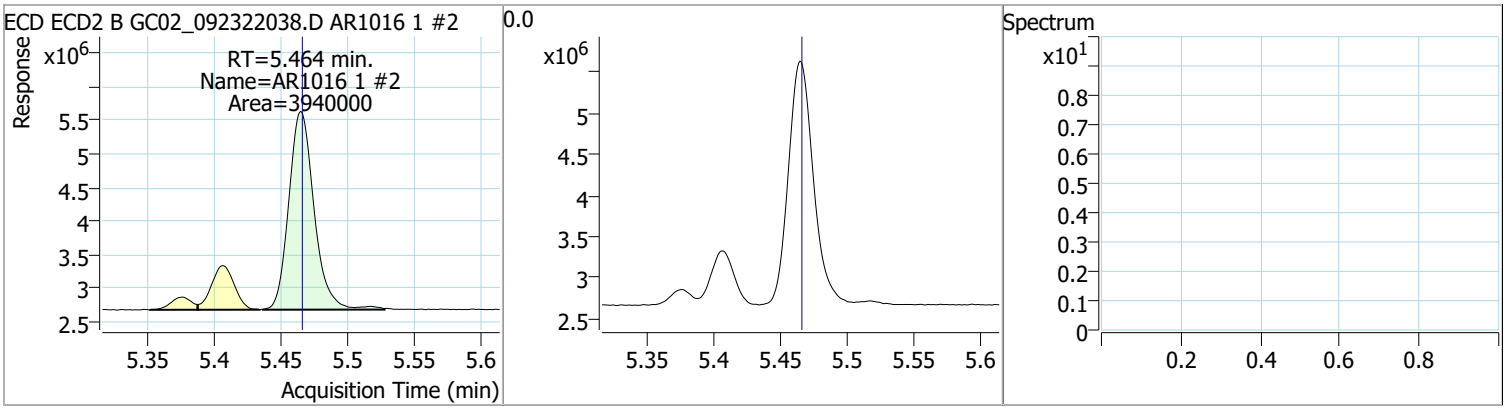
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	470.5267	5.04	0.00	73915116				



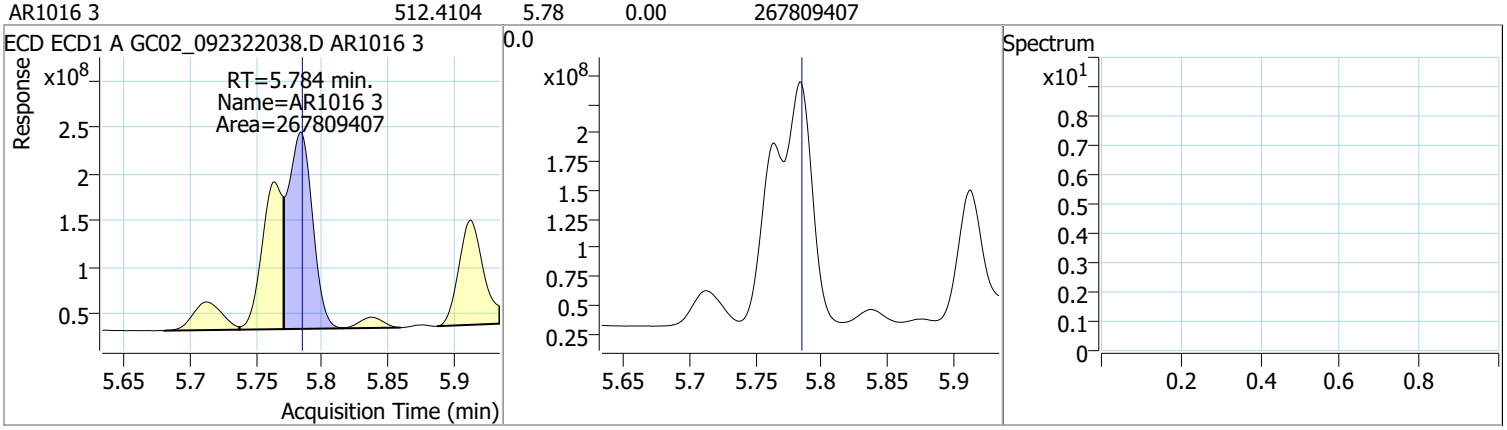
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	460.6933	5.35	0.00	156023500				



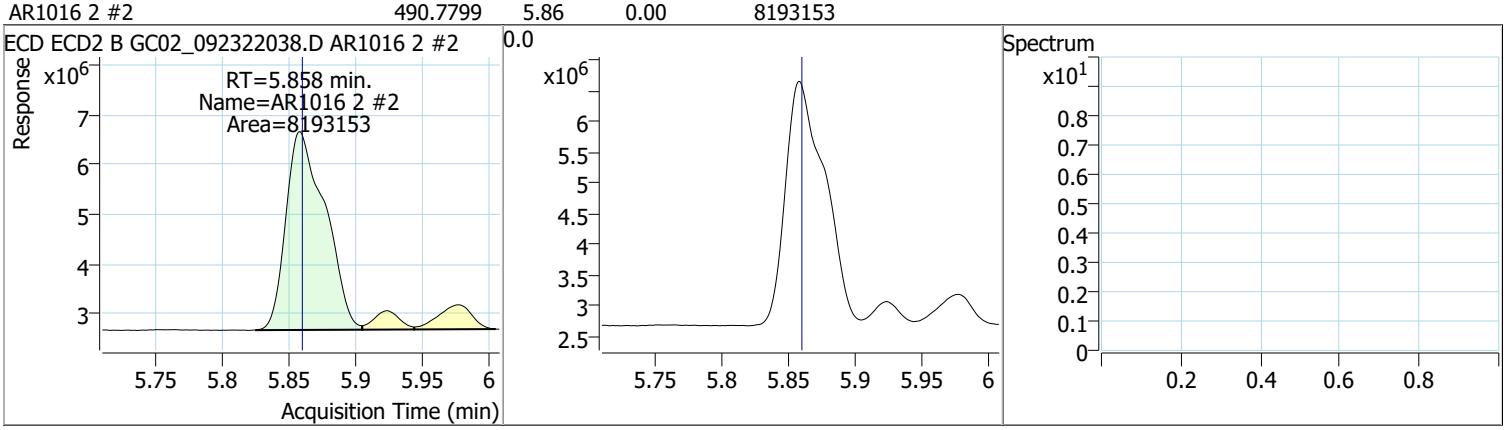
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	496.0626	5.46	0.00	3940000				



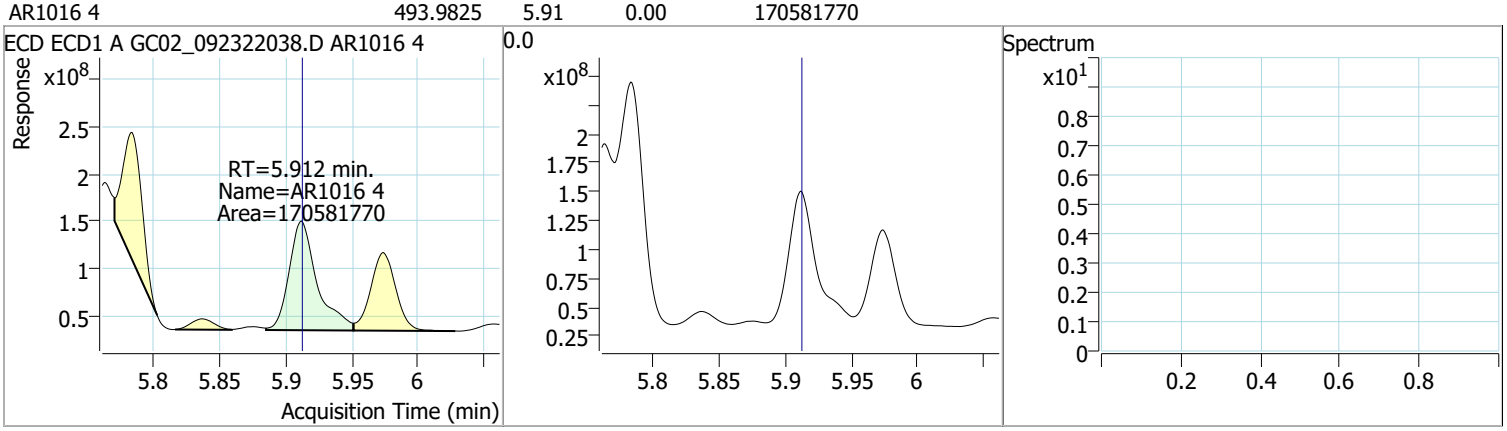
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	512.4104	5.78	0.00	267809407				



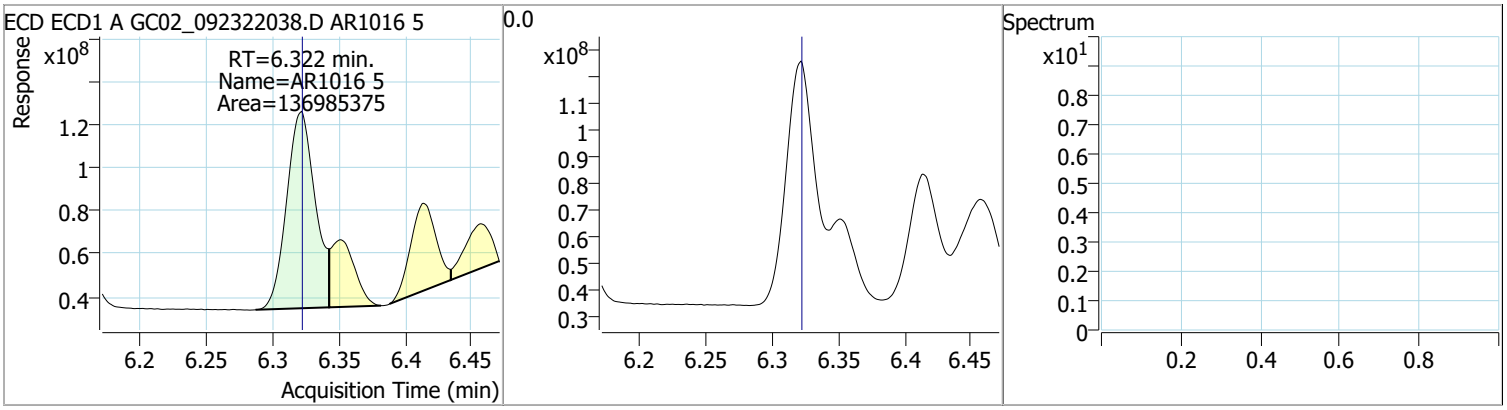
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	490.7799	5.86	0.00	8193153				



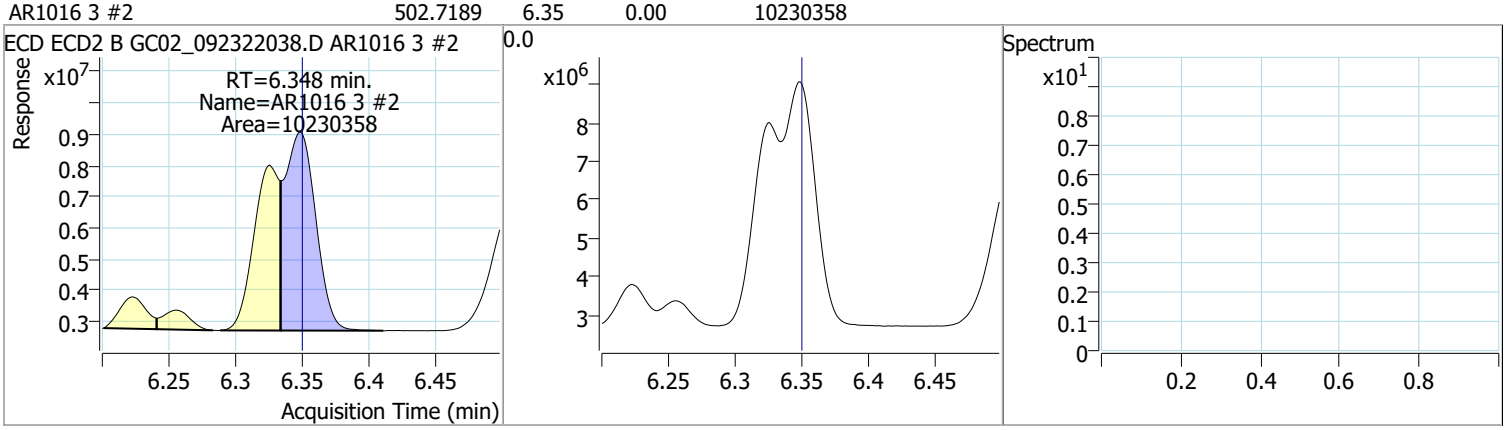
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	493.9825	5.91	0.00	170581770				



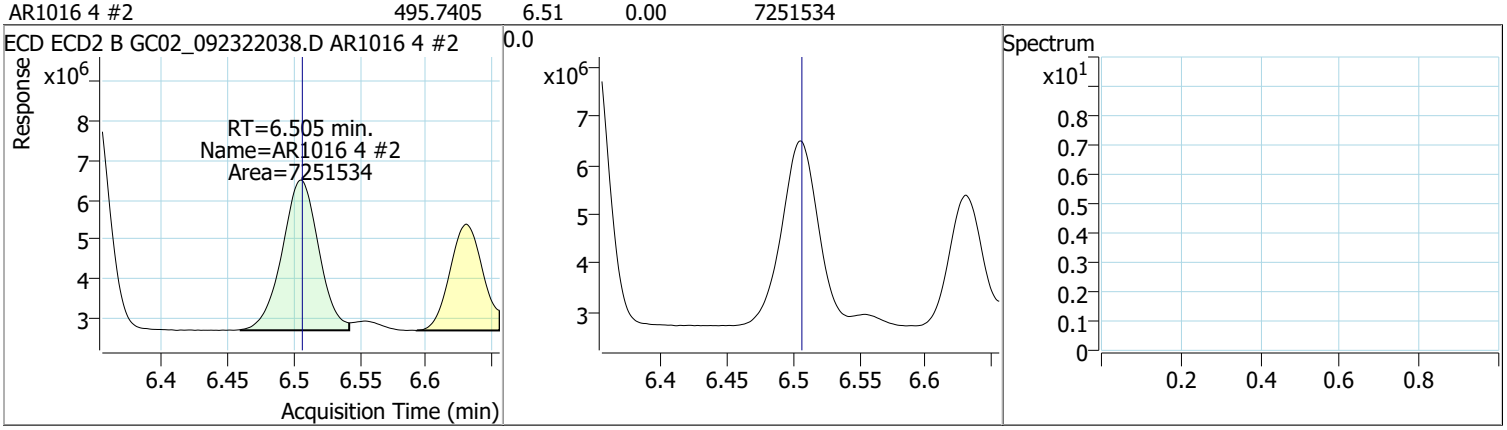
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	492.9457	6.32	0.00	136985375				



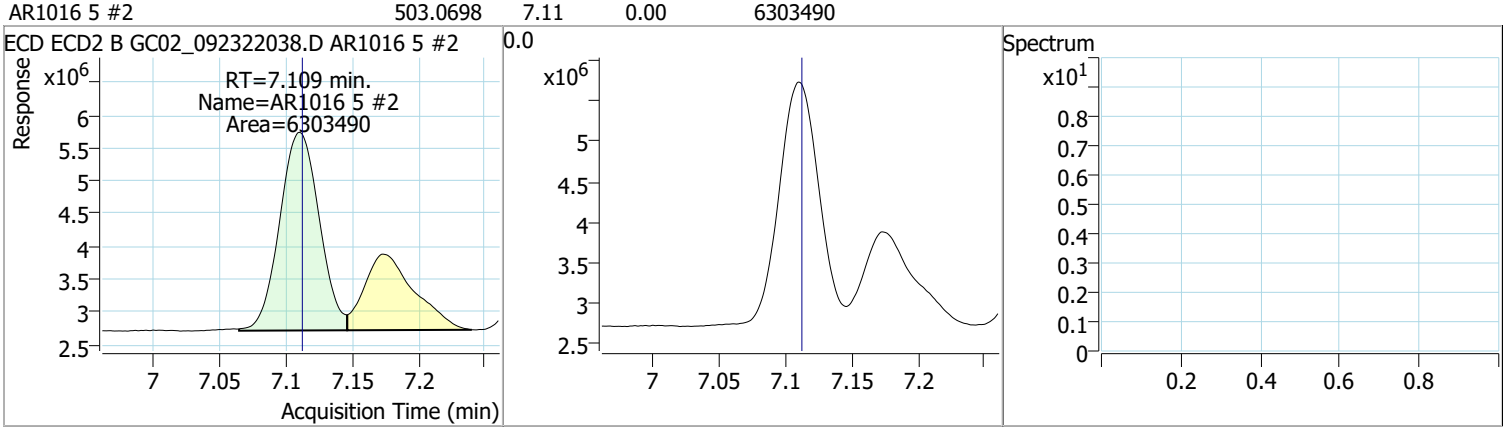
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	502.7189	6.35	0.00	10230358				



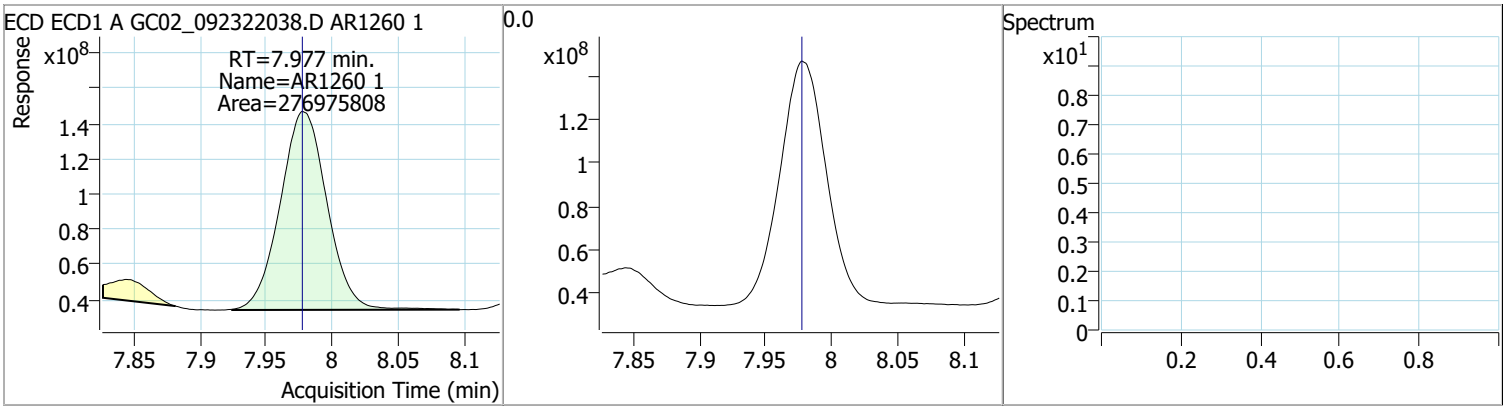
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AR1016 4 #2	495.7405	6.51	0.00	7251534				



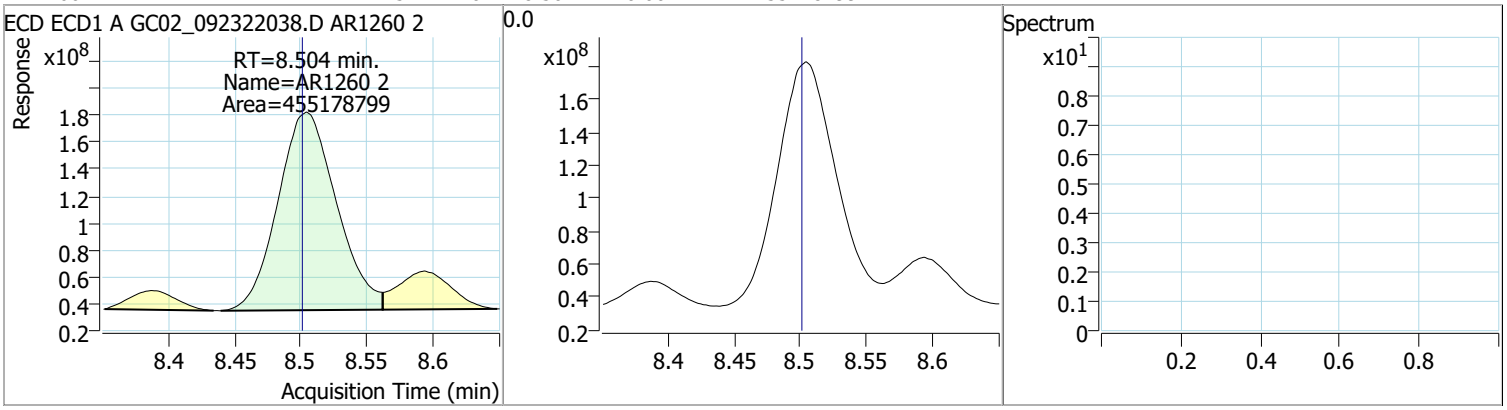
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	503.0698	7.11	0.00	6303490				



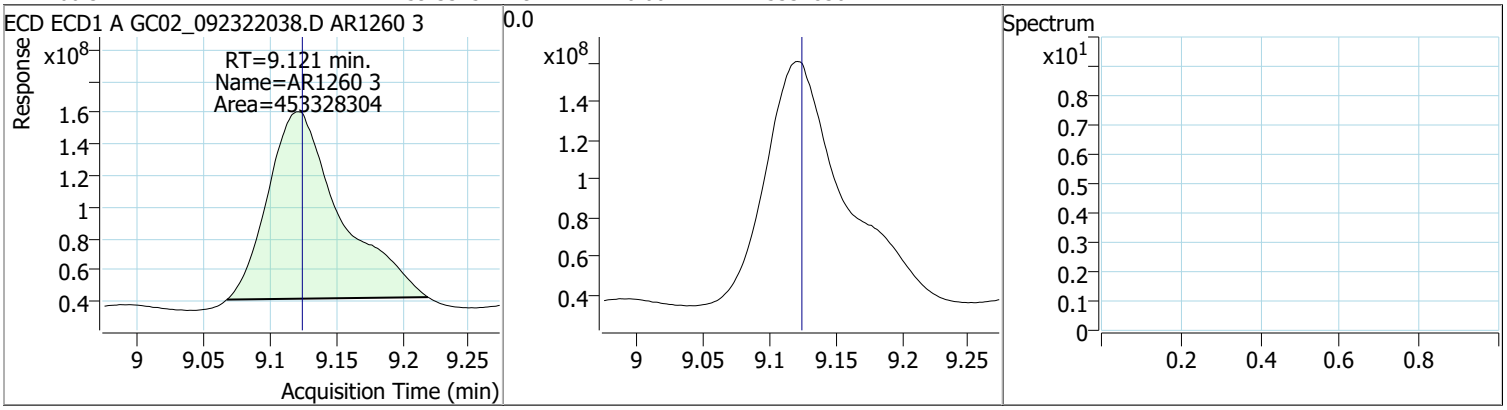
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	507.0887	7.98	0.00	276975808				



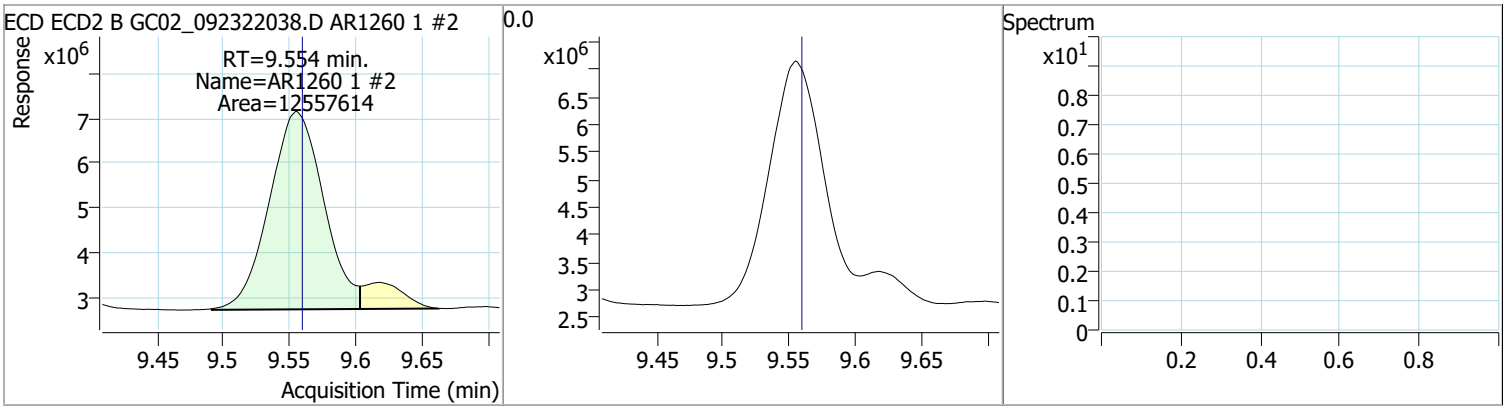
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	514.2420	8.50	0.00	455178799				



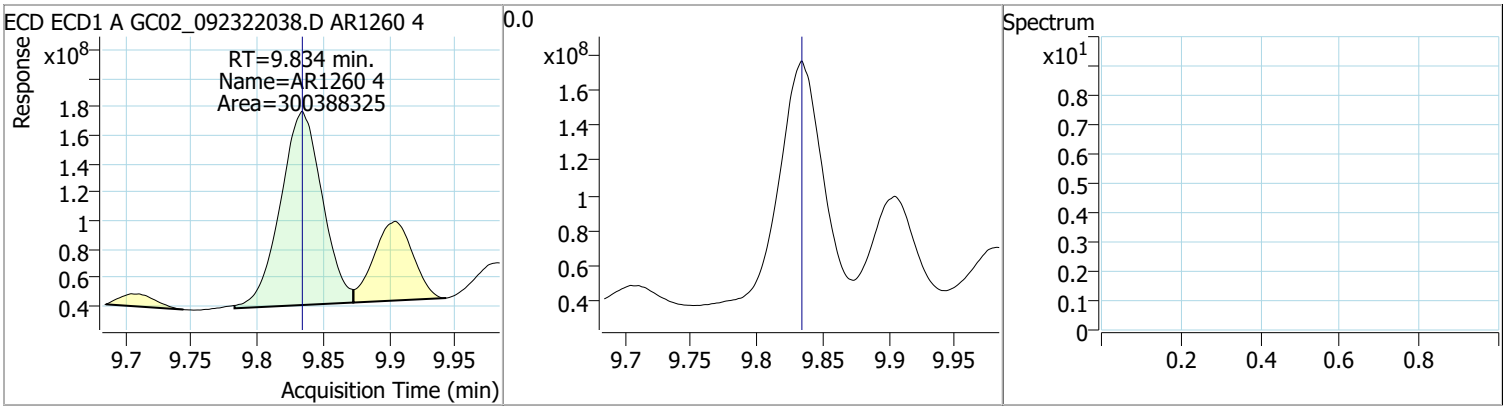
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	459.3315	9.12	0.00	453328304				



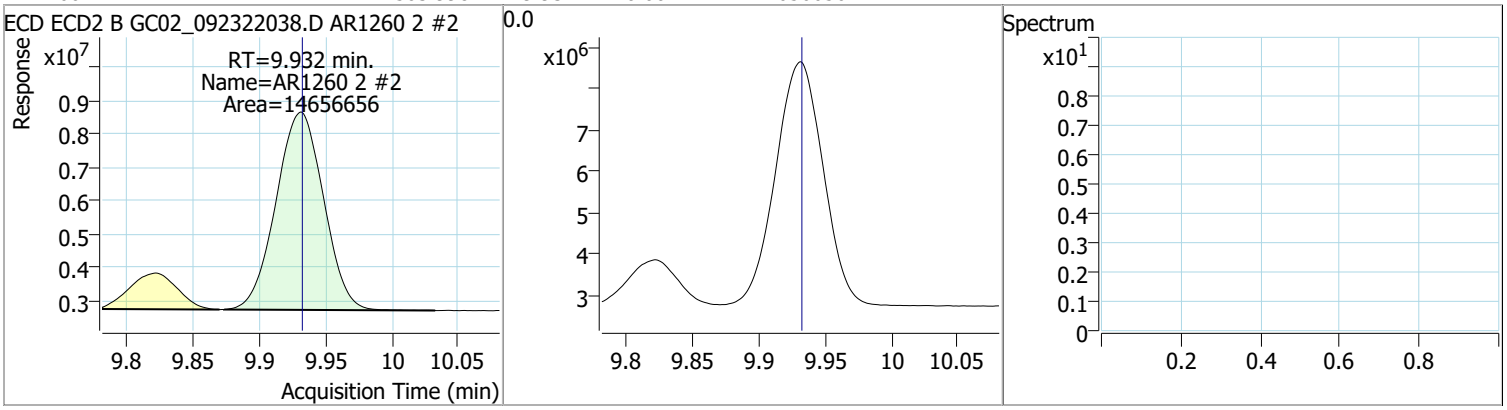
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	503.5691	9.55	0.00	12557614				



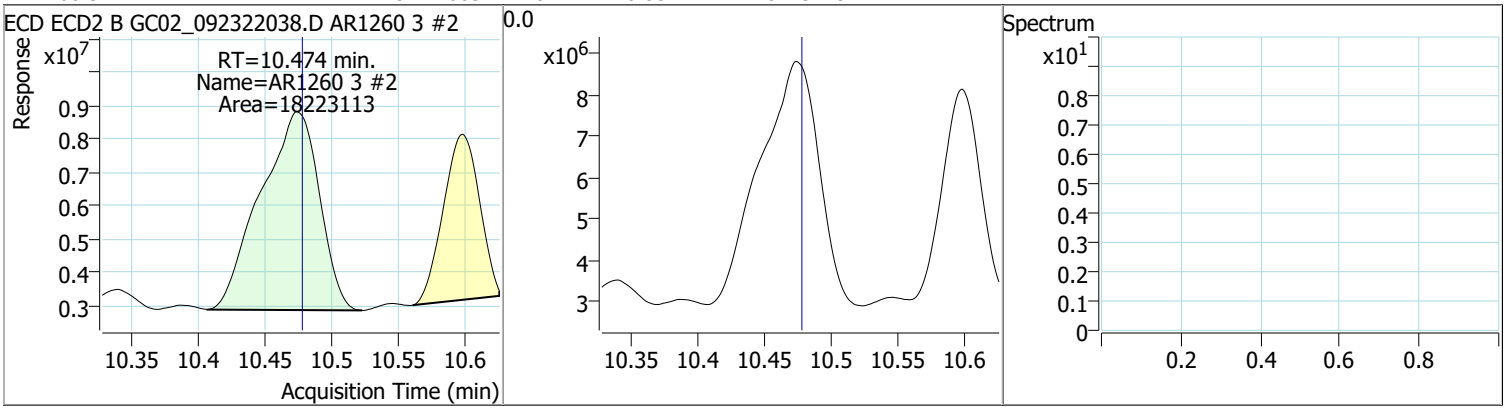
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	544.2701	9.83	0.00	300388325				



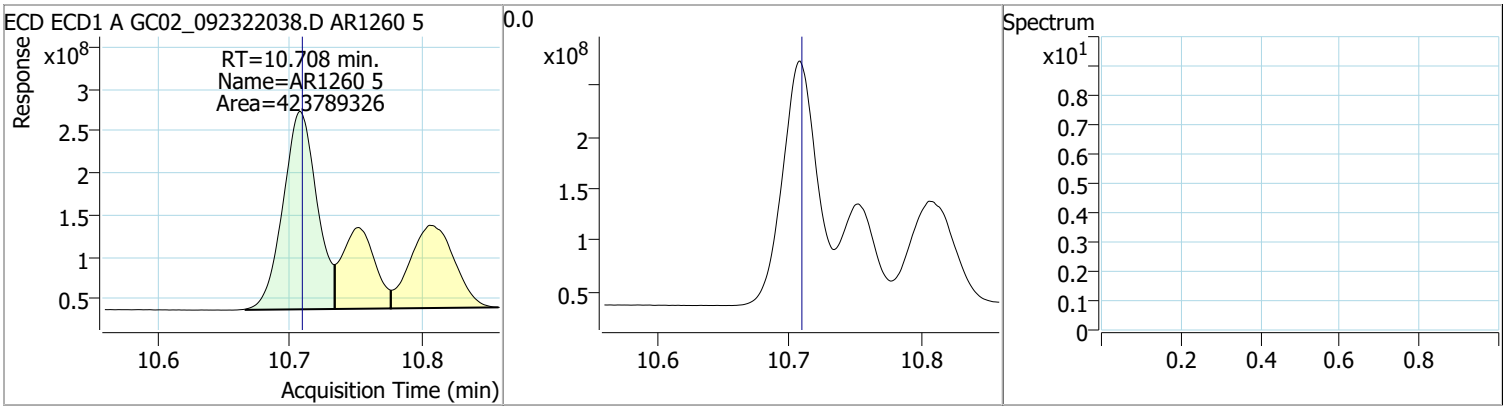
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	503.9982	9.93	0.00	14656656				



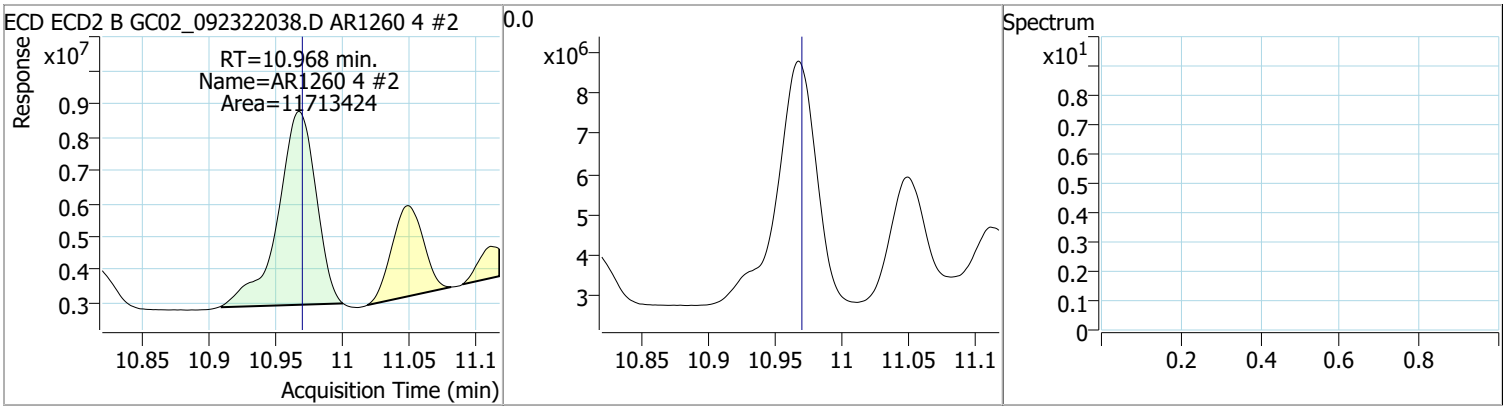
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	512.2663	10.47	0.00	18223113				



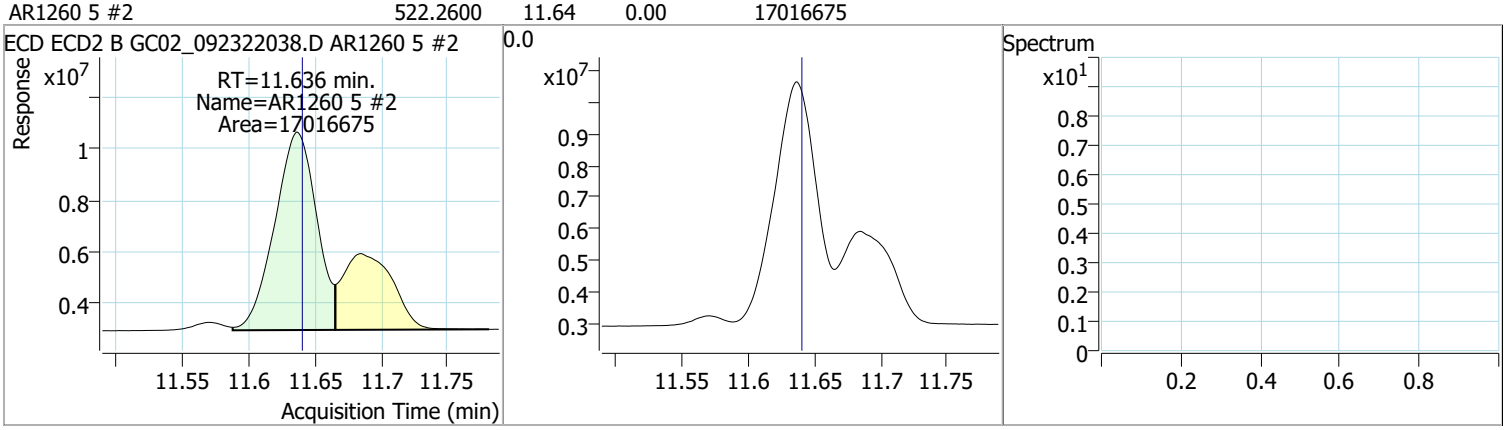
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	559.7267	10.71	0.00	423789326				



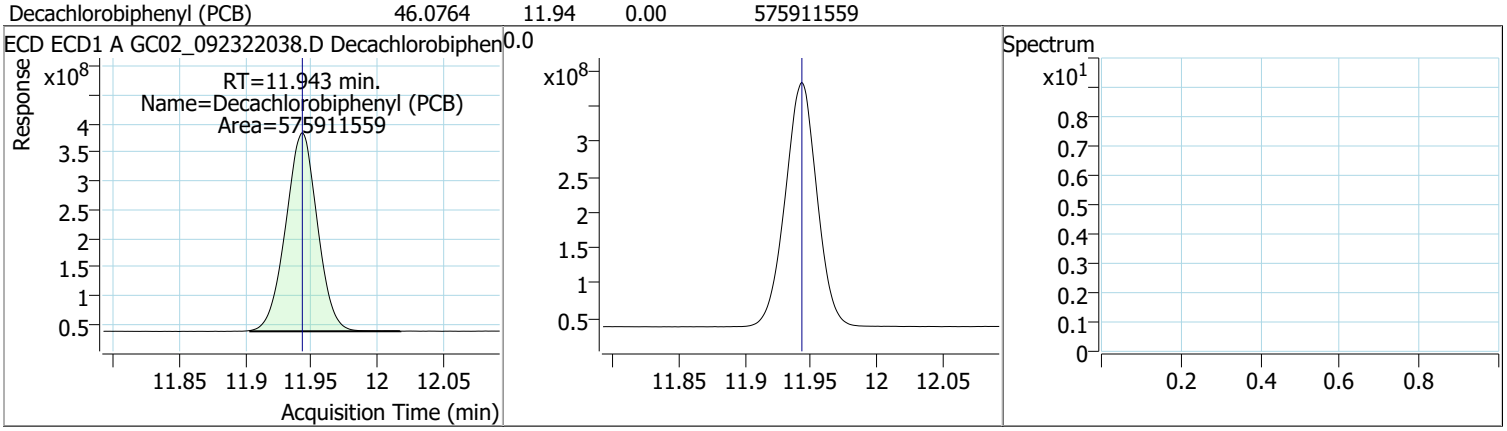
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	539.4588	10.97	0.00	11713424				



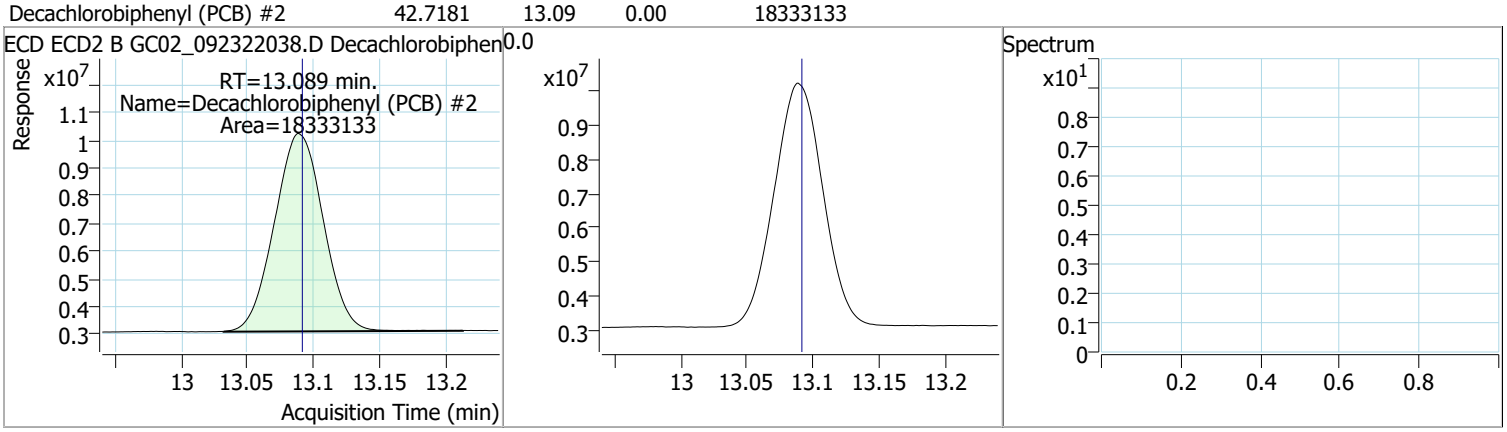
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	522.2600	11.64	0.00	17016675				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	46.0764	11.94	0.00	575911559				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	42.7181	13.09	0.00	18333133				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 469273
Report Level: IV
Report Date: 01/06/2023

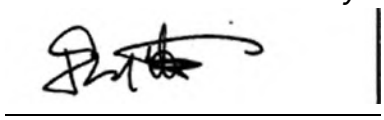
Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	469273
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	09/16/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-L-LA	469273-002	09/15/22 13:10	Wipe
ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-L-LA	469273-005	09/15/22 13:50	Wipe
ARCH-C2E-INT-4.5 TO 5.5-220915-L-WF	469273-007	09/15/22 13:30	Wipe
ARCH-C2E-INT-4.5 TO 5.5-220915-L-DUP-WF	469273-008	09/15/22 13:30	Wipe
ARCH-C2E-PS-5.5-220915-L-G	469273-010	09/15/22 14:10	Wipe
ARCH-C2E-DG-6 TO 6.5-220915-L-FB	469273-012	09/15/22 14:25	Wipe
AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-L-LA	469273-014	09/15/22 13:30	Wipe
AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-L-LA	469273-017	09/15/22 14:30	Wipe
AFRAME-C2E-LAT-L3-UP-C2.5-DG-220915-L-LA	469273-019	09/15/22 14:05	Wipe
AFRAME-C2E-MED-L3-DN-C2.4-DG-220915-L-LA	469273-021	09/15/22 15:00	Wipe
AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-L-WF	469273-023	09/15/22 13:45	Wipe
AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-L-DUP-WF	469273-024	09/15/22 13:45	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 469273 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 09/16/22

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 09/19/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

469273

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK&TS

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-P-LA	9/15/2022	1310	WP	1		X			4xType2Rivets=0.0400ft²
2	ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-L-LA	9/15/2022	1310	WP	1			X		
3	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-P-LA	9/15/2022	1350	WP	1		X			
4	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-P-DUP-LA	9/15/2022	1350	WP	1		X			
5	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-L-LA	9/15/2022	1350	WP	1			X		
6	ARCH-C2E-INT-4.5 TO 5.5-220915-P-WF	9/15/2022	1330	WP	1		X			
7	ARCH-C2E-INT-4.5 TO 5.5-220915-L-WF	9/15/2022	1330	WP	1			X		
8	ARCH-C2E-INT-4.5 TO 5.5-220915-L-DUP-WF	9/15/2022	1330	WP	1			X		
9	ARCH-C2E-PS-5.5-220915-P-G1	9/15/2022	1410	WP	1		X			8xType1Rivets=0.1104ft²
10	ARCH-C2E-PS-5.5-220915-L-G1	9/15/2022	1410	WP	1			X		
11	ARCH-C2E-DG-6 TO 6.5-220915-P-FB	9/15/2022	1425	WP	1		X			
12	ARCH-C2E-DG-6 TO 6.5-220915-L-FB	9/15/2022	1425	WP	1			X		
13	AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-P-LA	9/15/2022	1330	WP	1		X			
14	AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-L-LA	9/15/2022	1330	WP	1			X		
15	AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-P-LA	9/15/2022	1430	WP	1		X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TK	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 / 15:15
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	9/16/22 / 15:15
2 Relinquished By:	Audrey Hudson	"	"	9/16/22 17:11
2 Received By:				9/16/22 17:11
3 Relinquished By:				9/16/22 17:55
3 Received By:	Rec'd; Geena Sylvestre	Geena Sylvestre	E.A.	9/17/22 08:04

469273

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	ML&JB

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	AFRAME-C1E-LAT-L3-DN-C1.3-DG-2209 15 -P-DUP- LA	9/15/2022	1430	WP	1		X		
17	AFRAME-C1E-LAT-L3-DN-C1.3-DG-2209 15 -L- LA	9/15/2022	1430	WP	1			X	
18	AFRAME-C2E-LAT-L3-UP-C2.5-DG-2209 15 -P- LA	9/15/2022	1405	WP	1		X		
19	AFRAME-C2E-LAT-L3-UP-C2.5-DG-2209 15 -L- LA	9/15/2022	1405	WP	1			X	
20	AFRAME-C2E-MED-L3-DN-C2.4-DG-2209 16 -P- LA	9/15/2022	1500	WP	1		X		
21	AFRAME-C2E-MED-L3-DN-C2.4-DG-2209 15 -L- LA	9/15/2022	1500	WP	1			X	
22	AFRAME-C2E-MED-L3-EXT-1 TO 2-2209 15 -P- WF	9/15/2022	1345	WP	1		X		
23	AFRAME-C2E-MED-L3-EXT-1 TO 2-2209 15 -L- WF	9/15/2022	1345	WP	1			X	
24	AFRAME-C2E-MED-L3-EXT-1 TO 2-2209 15 -L-DUP- WF	9/15/2022	1345	WP	1			X	
25									
26									
27									
28									
29									
30									

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TK Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	9/16/22 / 15:15
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	9/16/22 15:15
[2] Relinquished By:	Audrey Hudson	"	"	9/16/22 17:11
[2] Received By:				9/16/22 17:11
[3] Relinquished By:				9/16/22 17:55
[3] Received By:			E.A.	9/17/22 08:04

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 469273 Client: Ransom

Date Received: 9/16/22 Project: _____

ENTHALPY ANALYTICAL

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 2 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 9/16/22 By (print) KM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 2.3, #2: 3.3, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer?			
Did all bottles arrive unbroken/unopened?			
Are there any missing / extra samples?			
Are samples in the appropriate containers for indicated tests?			
Are sample labels present, in good condition and complete?			
Does the container count match the COC?			
Do the sample labels agree with custody papers?			
Was sufficient amount of sample sent for tests requested?			
Did you change the hold time in LIMS for unpreserved VOAs?			
Did you change the hold time in LIMS for preserved terracores?			
Are bubbles > 6mm present in VOA samples?			
Was the client contacted concerning this sample delivery?			
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 9/16/22 **By (print)** KM for SHB **(sign)** _____

Date Labeled _____ **By (print)** _____ **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 09/17/22 Sampler's Name Present: ☑ Yes ☑ No 9/17/22

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 2 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.7 #2: 5.7 #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 0.6 #2: 0.9 #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 9/17/22



STD PPD

16SEP22 07:25

Schd GL

Pcs: 5 of 7

LOS ANGELES, CA

From: ENTHALPY ANALYTICAL
000-000-0000

RECV ENTHALPY ANALYTICAL
931 W. BARKLEY AVE
ORANGE, CA 92868
Phone: 925-487-8029

LOS ANGELES

Manual Wght:
321.7
Tariff Wght:
325.0

PO/Ref #:

Standard

Agency Phone: (213)629-8420

WWW.SHIPGREYHOUND.COM

5

Enthalpy Analytical
Sample Receiving
931 W Barkley Ave.
Orange, CA 92868

5

Enthalpy Analytical
Sample Receiving
931 W Barkley Ave.
Orange, CA 92868

6

PACKAGE EXPRESS

A8672354B

0.9/517

LBLBC-GPX (REV 11/19)

STD PPD 16SEP22 07:25P

Schd: GLI 6747

Pcs: 3 of 7 LOS ANGELES, CA

From: ENTHALPY ANALYTICAL
000-000-0000

RECV: ENTHALPY ANALYTICAL
931 W. BARKLEY AVE
ORANGE, CA 92868
Phone: 925-487-8029

LOS ANGELES

Manual Wght:
321.7

Tariff Wght:
325.0

Standard

PO/Ref #:

Agency Phone: (213)629-8420

WWW.SHIPGREYHOUND.COM

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 469273 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-L-LA **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469273-002 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469273-002 Analyte	Result	RL	Units
Lead	**190**	0.52	ug/ft2

Field ID: ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-L-LA **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469273-005 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469273-005 Analyte	Result	RL	Units
Lead	**130**	0.54	ug/ft2

Field ID: ARCH-C2E-INT-4.5 TO 5.5-220915-L-WF **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469273-007 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469273-007 Analyte	Result	RL	Units
Lead	**230**	0.54	ug/ft2

Field ID: ARCH-C2E-INT-4.5 TO 5.5-220915-L-DUP-WF **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469273-008 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469273-008 Analyte	Result	RL	Units
Lead	**170**	0.54	ug/ft2

Field ID: ARCH-C2E-PS-5.5-220915-L-G **Batch#:** 297250 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469273-010 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dln Fac: 1.000 **Analyzed:** 09/20/22

469273-010 Analyte	Result	RL	Units
Lead	**210**	0.49	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 469273 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-DG-6 TO 6.5-220915-L-FB **Batch#:** 297255 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469273-012 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dil n Fac: 1.000 **Analyzed:** 09/20/22

469273-012 Analyte	Result	RL	Units
Lead	**130**	0.50	ug/ft2

Field ID: AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-L-LA **Batch#:** 297255 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469273-014 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dil n Fac: 1.000 **Analyzed:** 09/20/22

469273-014 Analyte	Result	RL	Units
Lead	**110**	0.50	ug/ft2

Field ID: AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-L-LA **Batch#:** 297255 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469273-017 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dil n Fac: 1.000 **Analyzed:** 09/20/22

469273-017 Analyte	Result	RL	Units
Lead	**77**	0.50	ug/ft2

Field ID: AFRAME-C2E-LAT-L3-UP-C2.5-DG-220915-L-LA **Batch#:** 297255 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469273-019 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dil n Fac: 1.000 **Analyzed:** 09/20/22

469273-019 Analyte	Result	RL	Units
Lead	**130**	0.50	ug/ft2

Field ID: AFRAME-C2E-MED-L3-DN-C2.4-DG-220915-L-LA **Batch#:** 297255 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 09/15/22 **Analysis:** EPA 6010B
Lab ID: 469273-021 **Received:** 09/16/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 09/19/22
Dil n Fac: 1.000 **Analyzed:** 09/20/22

469273-021 Analyte	Result	RL	Units
Lead	**140**	0.50	ug/ft2

Lead

Lab #: 469273 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID:	AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-L-WF	**Batch#:** 297255	**Prep:** EPA 3050B
Type:	SAMPLE	**Sampled:** 09/15/22	**Analysis:** EPA 6010B
Lab ID:	469273-023	**Received:** 09/16/22	**Analyst:** SBW
Matrix:	Wipe	**Prepared:** 09/19/22	
Diln Fac:	1.000	**Analyzed:** 09/20/22	

469273-023 Analyte	Result	RL	Units
Lead	**70**	0.50	ug/ft2

Field ID:	AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-L-DUP-WF	**Batch#:** 297255	**Prep:** EPA 3050B
Type:	SAMPLE	**Sampled:** 09/15/22	**Analysis:** EPA 6010B
Lab ID:	469273-024	**Received:** 09/16/22	**Analyst:** SBW
Matrix:	Wipe	**Prepared:** 09/19/22	
Diln Fac:	1.000	**Analyzed:** 09/20/22	

469273-024 Analyte	Result	RL	Units
Lead	**82**	0.50	ug/ft2

Type:	BLANK	**Batch#:** 297250	**Analysis:** EPA 6010B
Lab ID:	QC1013780	**Prepared:** 09/19/22	**Analyst:** SBW
Matrix:	Wipe	**Analyzed:** 09/20/22	
Diln Fac:	1.000	**Prep:** EPA 3050B	

QC1013780 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type:	BLANK	**Batch#:** 297255	**Analysis:** EPA 6010B
Lab ID:	QC1013791	**Prepared:** 09/19/22	**Analyst:** SBW
Matrix:	Wipe	**Analyzed:** 09/20/22	
Diln Fac:	1.000	**Prep:** EPA 3050B	

QC1013791 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 469273 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 297250 **Analysis:** EPA 6010B
Lab ID: QC1013781 **Prepared:** 09/19/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/20/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1013781 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	106.0	106	80-120	ug/ft2

Type: BS **Batch#:** 297255 **Analysis:** EPA 6010B
Lab ID: QC1013792 **Prepared:** 09/19/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/20/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1013792 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	104.9	105	80-120	ug/ft2

Type: BSD **Batch#:** 297250 **Analysis:** EPA 6010B
Lab ID: QC1013782 **Prepared:** 09/19/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/20/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1013782 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	104.9	105	80-120	ug/ft2	1	20

Type: BSD **Batch#:** 297255 **Analysis:** EPA 6010B
Lab ID: QC1013793 **Prepared:** 09/19/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 09/20/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1013793 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	104.8	105	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 469273 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
469273-002	MET06	09/19/22 18:11	1.0		
469273-002	MET09	09/20/22 12:52	1.0	+	
469273-005	MET06	09/19/22 18:14	1.0		
469273-005	MET09	09/20/22 12:55	1.0	+	
469273-007	MET06	09/19/22 18:24	1.0		
469273-007	MET09	09/20/22 13:05	1.0	+	
469273-008	MET06	09/19/22 18:27	1.0		
469273-008	MET09	09/20/22 13:09	1.0	+	
469273-010	MET06	09/19/22 18:31	1.0		
469273-010	MET09	09/20/22 13:12	1.0	+	
469273-012	MET06	09/19/22 18:44	1.0		
469273-012	MET06	09/20/22 12:06	1.0	+	
469273-014	MET06	09/19/22 18:47	1.0		
469273-014	MET06	09/20/22 12:09	1.0	+	
469273-017	MET06	09/19/22 18:50	1.0		
469273-017	MET06	09/20/22 12:13	1.0	+	
469273-019	MET06	09/19/22 18:54	1.0		
469273-019	MET06	09/20/22 12:16	1.0	+	
469273-021	MET06	09/19/22 19:03	1.0		
469273-021	MET06	09/20/22 12:19	1.0	+	
469273-023	MET06	09/19/22 19:07	1.0		
469273-023	MET06	09/20/22 12:22	1.0	+	
469273-024	MET06	09/19/22 19:10	1.0		
469273-024	MET06	09/20/22 12:26	1.0	+	
QC1013780	MET06	09/19/22 17:06	1.0		
QC1013780	MET06	09/20/22 11:35	1.0	+	
QC1013781	MET06	09/19/22 17:09	1.0		
QC1013781	MET06	09/20/22 11:38	1.0	+	
QC1013782	MET06	09/19/22 17:12	1.0		
QC1013782	MET06	09/20/22 11:41	1.0	+	
QC1013791	MET06	09/19/22 18:34	1.0		
QC1013791	MET06	09/20/22 11:56	1.0	+	
QC1013792	MET06	09/19/22 18:37	1.0		
QC1013792	MET06	09/20/22 12:00	1.0	+	
QC1013793	MET06	09/19/22 18:40	1.0		
QC1013793	MET06	09/20/22 12:03	1.0	+	

Enthalpy Sequence Summary for Sequence 482379303

Instrument : MET06 Begun : 09/20/22 09:43
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			09/20/22 09:43	1.0	1	
002	met06_master	ICALBLK	CALBLANK			09/20/22 09:47	1.0	1	
003	met06_master	ICALBLK	CALBLANK			09/20/22 09:50	1.0	1	
004	met06_master	ICAL	L1			09/20/22 09:53	1.0	2 1	
005	met06_master	ICAL	L2			09/20/22 09:57	1.0	3 1	
006	met06_master	ICAL	L3			09/20/22 10:00	1.0	4 1	
007	met06_master	ICAL	L4			09/20/22 10:03	1.0	5 1	
008	met06_master	ICAL	L5			09/20/22 10:07	1.0	6 1	
009	met06_master	ICAL	L6			09/20/22 10:10	1.0	7 1	
010	met06_master	ICAL	L7			09/20/22 10:13	1.0	8 1	
011	met06_master	ICAL	L8			09/20/22 10:16	1.0	9 1	
012	met06_master	ICV				09/20/22 10:20	1.0	10 1	
013	met06_master	CRI				09/20/22 10:23	1.0	11 1	
014	met06_master	ICB				09/20/22 10:26	1.0	1	
015	met06_master	ICSA				09/20/22 10:30	1.0	12 1	4:MGASMGCO3=1400
016	met06_master	ICSAB				09/20/22 10:33	1.0	13 1	4:MGASMGCO3=1400
017	met06_master	BLANK	QC1013595	Soil	297201	09/20/22 10:36	1.0	1	
018	met06_master	LCS	QC1013596	Soil	297201	09/20/22 10:39	1.0	1	
019	met06_master	MSS	469132-001	Miscell.	297201	09/20/22 10:43	1.0	1	4:FEASFE2O3=540
020	met06_master	MS	QC1013597	Miscell.	297201	09/20/22 10:46	1.0	1	4:FEASFE2O3=720
021	met06_master	MSD	QC1013598	Miscell.	297201	09/20/22 10:49	1.0	1	4:FEASFE2O3=610
022	met06_master	PDS	QC1013599	Miscell.	297201	09/20/22 10:53	1.0	1	2:FE=370
023	met06_master	SAMPLE	469238-005	Soil	297201	09/20/22 10:56	1.0	1	2:FE=170
024	met06_master	SAMPLE	469238-010	Soil	297201	09/20/22 10:59	1.0	1	2:FE=170
025	met06_master	SAMPLE	469238-015	Soil	297201	09/20/22 11:02	1.0	1	1:FE=160
026	met06_master	BLANK	QC1013590	Soil	297200	09/20/22 11:06	1.0	1	
027	met06_master	CCV				09/20/22 11:09	1.0	10 1	
028	met06_master	CCB				09/20/22 11:12	1.0	1	
029	met06_master	LCS	QC1013591	Soil	297200	09/20/22 11:15	1.0	1	
030	met06_master	MSS	467519-025	Soil	297200	09/20/22 11:19	1.0	1	5:FEASFE2O3=240
031	met06_master	MS	QC1013592	Soil	297200	09/20/22 11:22	1.0	1	4:FEASFE2O3=340
032	met06_master	MSD	QC1013593	Soil	297200	09/20/22 11:25	1.0	1	4:FEASFE2O3=260
033	met06_master	PDS	QC1013594	Soil	297200	09/20/22 11:28	1.0	1	3:FE=160
034	met06_master	SAMPLE	469238-020	Soil	297200	09/20/22 11:32	1.0	1	1:P=11
035	met06_master	BLANK	QC1013780	Wipe	297250	09/20/22 11:35	1.0	1	
036	met06_master	BS	QC1013781	Wipe	297250	09/20/22 11:38	1.0	1	
037	met06_master	BSD	QC1013782	Wipe	297250	09/20/22 11:41	1.0	1	
038	met06_master	SAMPLE	469257-042	Wipe	297250	09/20/22 11:45	1.0	1	
039	met06_master	CCV				09/20/22 11:48	1.0	10 1	
040	met06_master	CCB				09/20/22 11:51	1.0	1	
041	met06_master	BLANK	QC1013791	Wipe	297255	09/20/22 11:56	1.0	1	
042	met06_master	BS	QC1013792	Wipe	297255	09/20/22 12:00	1.0	1	
043	met06_master	BSD	QC1013793	Wipe	297255	09/20/22 12:03	1.0	1	
044	met06_master	SAMPLE	469273-012	Wipe	297255	09/20/22 12:06	1.0	1	
045	met06_master	SAMPLE	469273-014	Wipe	297255	09/20/22 12:09	1.0	1	
046	met06_master	SAMPLE	469273-017	Wipe	297255	09/20/22 12:13	1.0	1	
047	met06_master	SAMPLE	469273-019	Wipe	297255	09/20/22 12:16	1.0	1	
048	met06_master	SAMPLE	469273-021	Wipe	297255	09/20/22 12:19	1.0	1	
049	met06_master	SAMPLE	469273-023	Wipe	297255	09/20/22 12:22	1.0	1	
050	met06_master	SAMPLE	469273-024	Wipe	297255	09/20/22 12:26	1.0	1	
051	met06_master	CCV				09/20/22 12:29	1.0	10 1	
052	met06_master	CCB				09/20/22 12:32	1.0	1	

Enthalpy Sequence Summary for Sequence 482379303

Instrument : MET06 Begun : 09/20/22 09:43
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	XBLANK	QC1013739	Wipe	297239	09/20/22 12:35	1.0	1	
054	met06_master	BLANK	QC1013814	Water	297269	09/20/22 12:39	1.0	1	
055	met06_master	LCS	QC1013815	Water	297269	09/20/22 12:42	1.0	1	
056	met06_master	SAMPLE	468878-002	Water	297269	09/20/22 12:45	10.0	1	2:SULFUR=2200
057	met06_master	SAMPLE	468878-003	Water	297269	09/20/22 12:49	10.0	1	2:SULFUR=2200
058	met06_master	MSS	468878-004	Water	297269	09/20/22 12:52	10.0	1	1:SULFUR=2000
059	met06_master	MS	QC1013823	Water	297269	09/20/22 12:55	10.0	1	1:SULFUR=2100
060	met06_master	MSD	QC1013824	Water	297269	09/20/22 12:58	10.0	1	1:SULFUR=2000
061	met06_master	SAMPLE	468878-005	Water	297269	09/20/22 13:02	10.0	1	1:SULFUR=2100
062	met06_master	SAMPLE	468878-006	Water	297269	09/20/22 13:05	10.0	1	1:SULFUR=2000
063	met06_master	SAMPLE	468878-007	Water	297269	09/20/22 13:08	10.0	1	1:SULFUR=2100
064	met06_master	CCV				09/20/22 13:11	1.0	10 1	
065	met06_master	CCB				09/20/22 13:15	1.0	1	
066	met06_master	SAMPLE	468878-008	Water	297269	09/20/22 13:18	10.0	1	1:SULFUR=2000
067	met06_master	MSS	468878-001	Water	296854	09/20/22 13:21	250.0	1	
068	met06_master	MS	QC1012537	Water	296854	09/20/22 13:24	250.0	1	
069	met06_master	MSD	QC1012538	Water	296854	09/20/22 13:28	250.0	1	
070	met06_master	CRI				09/20/22 13:32	1.0	11 1	
071	met06_master	XBLANK	QC1013918	Drinking Water	297299	09/20/22 13:35	1.0	1	
072	met06_master	XLCS	QC1013919	Drinking Water	297299	09/20/22 13:38	1.0	1	
073	met06_master	MSS	469311-001	Drinking Water	297299	09/20/22 13:42	1.0	1	
074	met06_master	XMS	QC1013920	Drinking Water	297299	09/20/22 13:45	1.0	1	
075	met06_master	XMSD	QC1013921	Drinking Water	297299	09/20/22 13:48	1.0	1	
076	met06_master	SAMPLE	469312-001	Drinking Water	297299	09/20/22 13:51	1.0	1	
077	met06_master	SAMPLE	469313-001	Drinking Water	297299	09/20/22 13:55	1.0	1	
078	met06_master	BLANK	QC1013881	Filtrate	297289	09/20/22 13:58	1.0	1	
079	met06_master	LCS	QC1013882	Filtrate	297289	09/20/22 14:01	1.0	1	
080	met06_master	MSS	468979-001	Filtrate	297289	09/20/22 14:04	1.0	1	1:SULFUR=360
081	met06_master	CCV				09/20/22 14:08	1.0	10 1	
082	met06_master	CCB				09/20/22 14:11	1.0	1	
083	met06_master	MS	QC1013888	Filtrate	297289	09/20/22 14:14	1.0	1	1:SULFUR=350
084	met06_master	MSD	QC1013889	Filtrate	297289	09/20/22 14:17	1.0	1	1:SULFUR=360
085	met06_master	MSS	469096-003	Filtrate	297289	09/20/22 14:21	1.0	1	1:FEASFE2O3=90
086	met06_master	MS	QC1013883	Filtrate	297289	09/20/22 14:24	1.0	1	1:FEASFE2O3=89
087	met06_master	MSD	QC1013884	Filtrate	297289	09/20/22 14:27	1.0	1	1:FEASFE2O3=89
088	met06_master	SAMPLE	469096-007	Filtrate	297289	09/20/22 14:30	1.0	1	
089	met06_master	SAMPLE	469198-002	Filtrate	297289	09/20/22 14:34	1.0	1	
090	met06_master	SAMPLE	469198-003	Filtrate	297289	09/20/22 14:37	1.0	1	
091	met06_master	SAMPLE	469198-005	Filtrate	297289	09/20/22 14:40	1.0	1	
092	met06_master	SAMPLE	469198-007	Filtrate	297289	09/20/22 14:43	1.0	1	
093	met06_master	CCV				09/20/22 14:47	1.0	10 1	
094	met06_master	CCB				09/20/22 14:50	1.0	1	
095	met06_master	BLANK	QC1013918	Drinking Water	297299	09/20/22 14:54	1.0	1	
096	met06_master	LCS	QC1013919	Drinking Water	297299	09/20/22 14:57	1.0	1	
097	met06_master	MS	QC1013920	Drinking Water	297299	09/20/22 15:00	1.0	1	
098	met06_master	MSD	QC1013921	Drinking Water	297299	09/20/22 15:04	1.0	1	
099	met06_master	BLANK	QC1013905	Water	297296	09/20/22 15:07	1.0	1	
100	met06_master	BS	QC1013907	Water	297296	09/20/22 15:10	1.0	1	
101	met06_master	BSD	QC1013908	Water	297296	09/20/22 15:13	1.0	1	
102	met06_master	SAMPLE	469313-002	Sea Water	297296	09/20/22 15:17	25.0	1	
103	met06_master	BLANK	QC1013595	Soil	297201	09/20/22 15:20	1.0	1	
104	met06_master	MSS	469132-001	Miscell.	297201	09/20/22 15:23	1.0	1	4:FEASFE2O3=510

Enthalpy Sequence Summary for Sequence 482379303

Instrument : MET06 Begun : 09/20/22 09:43
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	CCV				09/20/22 15:26	1.0	10 1	
106	met06_master	CCB				09/20/22 15:30	1.0	1	
107	met06_master	SAMPLE	469238-005	Soil	297201	09/20/22 15:33	1.0	1	2:FE=170
108	met06_master	SAMPLE	469238-010	Soil	297201	09/20/22 15:36	1.0	1	2:FE=160
109	met06_master	SAMPLE	469238-015	Soil	297201	09/20/22 15:39	1.0	1	
110	met06_master	BLANK	QC1013590	Soil	297200	09/20/22 15:43	1.0	1	
111	met06_master	MSS	467519-025	Soil	297200	09/20/22 15:46	1.0	1	5:FEASFE2O3=230
112	met06_master	SAMPLE	469238-020	Soil	297200	09/20/22 15:49	1.0	1	1:P=11
113	met06_master	SAMPLE	469275-001	Miscell.	297200	09/20/22 15:52	1.0	1	
114	met06_master	BLANK	QC1013170	Water	297063	09/20/22 15:56	1.0	1	
115	met06_master	LCS	QC1013171	Water	297063	09/20/22 15:59	1.0	1	
116	met06_master	SAMPLE	469047-002	Water	297063	09/20/22 16:03	1.0	1	1:SULFUR=240
117	met06_master	CCV				09/20/22 16:08	1.0	10 1	
118	met06_master	CCB				09/20/22 16:11	1.0	1	
119	met06_master	MSS	469059-002	Water	297063	09/20/22 16:15	1.0	1	
120	met06_master	MS	QC1013172	Water	297063	09/20/22 16:18	1.0	1	

SBW 09/20/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 111.

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S17316 7=S17115 8=S17113 9=S17048 10=S17211 11=S17318 12=S16979 13=S17065

Enthalpy Internal Standard Summary for Sequence 482379303

Date : 09/20/22 Reference : met06_master
Sequence : MET06 09/20/22 Analyzed : 09/20/22 09:50

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	19716600	959140	157179
		LOWER LIMIT	5914980	287742	47154
		UPPER LIMIT	39433200	1918280	314358
014	ICB		19822300	956923	141265
015	ICSA		17929500	871136	157998
016	ICSAB		18077400	877599	151974
017	BLANK	QC1013595	20118600	978258	160206
018	LCS	QC1013596	19906400	973006	164574
019	MSS	469132-001	19408100	941713	164279
020	MS	QC1013597	18669100	900510	161486
021	MSD	QC1013598	18968600	923050	168896
023	SAMPLE	469238-005	19131800	926564	178654
024	SAMPLE	469238-010	19155100	936286	174715
025	SAMPLE	469238-015	19203100	935161	175002
026	BLANK	QC1013590	20357700	985714	184519
027	CCV		19285300	945245	180011
028	CCB		20333000	991573	170870
029	LCS	QC1013591	20034600	978261	180212
030	MSS	467519-025	19444000	948971	189410
031	MS	QC1013592	19254700	935652	188758
032	MSD	QC1013593	19545900	947827	198554
034	SAMPLE	469238-020	19361900	940298	171891
035	BLANK	QC1013780	19884700	974749	179814
036	BS	QC1013781	19992500	979253	174483
037	BSD	QC1013782	20029300	986612	189856
038	SAMPLE	469257-042	20256200	994133	193157
039	CCV		19601500	970449	194852
040	CCB		20507700	1013990	201613
041	BLANK	QC1013791	20475500	1005170	207364
042	BS	QC1013792	20174800	996759	215811
043	BSD	QC1013793	20087100	1000680	216118
044	SAMPLE	469273-012	20624700	1011120	215196
045	SAMPLE	469273-014	20991900	1024160	217579
046	SAMPLE	469273-017	20586500	1014140	218121
047	SAMPLE	469273-019	20817100	1021200	217646
048	SAMPLE	469273-021	20786300	1018730	218540
049	SAMPLE	469273-023	20795600	1019740	221492
050	SAMPLE	469273-024	20798100	1025860	217459
051	CCV		19909800	995829	211450
052	CCB		20861000	1040450	213275
054	BLANK	QC1013814	20476400	1016960	216814
055	LCS	QC1013815	20235600	1009920	210522
056	SAMPLE	468878-002	18390900	966005	206323
057	SAMPLE	468878-003	18230600	964223	207785
058	MSS	468878-004	18428100	967174	208686
059	MS	QC1013823	18369100	964240	212594
060	MSD	QC1013824	18429000	964790	212099
061	SAMPLE	468878-005	18470000	964659	206976
062	SAMPLE	468878-006	18363900	966463	208155
063	SAMPLE	468878-007	18403300	965978	212586
064	CCV		19744500	999185	214358

Enthalpy Internal Standard Summary for Sequence 482379303

Date : 09/20/22 Reference : met06_master
Sequence : MET06 09/20/22 Analyzed : 09/20/22 09:50

#	Type	Sample ID	Y H	Y A	Y R
065	CCB		20752800	1050200	218971
066	SAMPLE	468878-008	18567600	982251	214325
067	MSS	468878-001	21661900	1100800	231451
068	MS	QC1012537	21736900	1103750	239212
069	MSD	QC1012538	21667800	1107470	243171
073	MSS	469311-001	21785700	1112310	254630
076	SAMPLE	469312-001	21616800	1101500	240419
077	SAMPLE	469313-001	21690200	1104490	238936
078	BLANK	QC1013881	21967800	1112810	238500
079	LCS	QC1013882	21467900	1099050	237348
080	MSS	468979-001	20346100	1059730	236799
081	CCV		19858600	1021810	229485
082	CCB		21247900	1077530	231253
083	MS	QC1013888	20378700	1056180	235926
084	MSD	QC1013889	19928300	1052450	237423
085	MSS	469096-003	21543400	1096440	243075
086	MS	QC1013883	21452600	1086870	245454
087	MSD	QC1013884	21639400	1091810	244661
088	SAMPLE	469096-007	21514600	1100660	242627
089	SAMPLE	469198-002	21318500	1100790	243249
090	SAMPLE	469198-003	21597800	1102660	243462
091	SAMPLE	469198-005	21067500	1080380	242823
092	SAMPLE	469198-007	21466600	1106930	241867
093	CCV		20102900	1045320	235878
094	CCB		21433600	1099060	240362
095	BLANK	QC1013918	21693800	1100580	240915
096	LCS	QC1013919	21212400	1088590	263726
097	MS	QC1013920	21930200	1132940	244945
098	MSD	QC1013921	21742200	1126420	245763
099	BLANK	QC1013905	22020500	1127060	246785
100	BS	QC1013907	21790900	1114140	245038
101	BSD	QC1013908	21595100	1113040	241473
102	SAMPLE	469313-002	21205100	1115560	239048
103	BLANK	QC1013595	21542400	1113840	238685
104	MSS	469132-001	21199700	1083330	236885
105	CCV		20457400	1060740	228421
106	CCB		21605800	1115380	231545
107	SAMPLE	469238-005	20730500	1060210	233433
108	SAMPLE	469238-010	20741400	1069010	232072
109	SAMPLE	469238-015	20876500	1063950	230420
110	BLANK	QC1013590	21589600	1115090	233790
111	MSS	467519-025	20818500	1069570	232439
112	SAMPLE	469238-020	20644300	1056590	232813
113	SAMPLE	469275-001	21461900	1109120	240022
114	BLANK	QC1013170	22284000	1151020	236557
115	LCS	QC1013171	21569100	1122410	229287
116	SAMPLE	469047-002	21651100	1114930	233989
117	CCV		20620700	1067900	222939
118	CCB		21858300	1115180	228068
119	MSS	469059-002	22152900	1136760	231513
120	MS	QC1013172	21601700	1116520	230975

ENTHALPY INITIAL CALIBRATION FOR 469273 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482379303001	Date:	20-SEP-2022 09:50
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482379303004	L1	20-SEP-2022 09:53	S17110, S13369 (100X)
L2	met06_master	482379303005	L2	20-SEP-2022 09:57	S17109, S13369 (100X)
L3	met06_master	482379303006	L3	20-SEP-2022 10:00	S17108, S13369 (100X)
L4	met06_master	482379303007	L4	20-SEP-2022 10:03	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0283	0.0364	0.0350	0.0332	WB1K	6.75E-4	30.1421		0.0332	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	5	0.1000	11	1.0000	6	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482379303001 Cal Date : 20-SEP-2022

ICV 482379303012 (20-SEP-2022) stds: S17211, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.018	mg/l	2	

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303014 File : met06_master Time : 20-SEP-2022 10:26
Cal : 482379303001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	19822300	0.54
Yttrium	A	959140	956923	-0.23
Yttrium	R	157179	141265	-10.12

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303015 File : met06_master Time : 20-SEP-2022 10:30
Cal : 482379303001 Caldate : 20-SEP-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.006450]	0.003333	mg/l	!a-

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	145.4	mg/l	91	
Aluminum	R	400.0	379.3	mg/l	95	
Calcium	R	400.0	397.2	mg/l	99	
Magnesium	R	400.0	399.5	mg/l	100	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	17929500	-9.06
Yttrium	A	959140	871136	-9.18
Yttrium	R	157179	157998	0.52

!=warning -=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303016 File : met06_master Time : 20-SEP-2022 10:33
Cal : 482379303001 Caldate : 20-SEP-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9933	mg/l	-1	20	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	18077400	-8.31
Yttrium	A	959140	877599	-8.50
Yttrium	R	157179	151974	-3.31

ENTHALPY CONTINUING CALIBRATION FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303027 File : met06_master Time : 20-SEP-2022 11:09
Cal : 482379303001 Caldate : 20-SEP-2022
Standards: S17211, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0332	0.0337	1.000	1.016	mg/l	2	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	19285300	-2.19
Yttrium	A	959140	945245	-1.45
Yttrium	R	157179	180011	14.53

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303028 File : met06_master Time : 20-SEP-2022 11:12
Cal : 482379303001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	20333000	3.13
Yttrium	A	959140	991573	3.38
Yttrium	R	157179	170870	8.71

ENTHALPY CONTINUING CALIBRATION FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303039 File : met06_master Time : 20-SEP-2022 11:48
Cal : 482379303001 Caldate : 20-SEP-2022
Standards: S17211, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0332	0.0336	1.000	1.015	mg/l	1	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	19601500	-0.58
Yttrium	A	959140	970449	1.18
Yttrium	R	157179	194852	23.97

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303040 File : met06_master Time : 20-SEP-2022 11:51
Cal : 482379303001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	20507700	4.01
Yttrium	A	959140	1013990	5.72
Yttrium	R	157179	201613	28.27

ENTHALPY CONTINUING CALIBRATION FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303051 File : met06_master Time : 20-SEP-2022 12:29
Cal : 482379303001 Caldate : 20-SEP-2022
Standards: S17211, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0332	0.0338	1.000	1.019	mg/l	2	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	19909800	0.98
Yttrium	A	959140	995829	3.83
Yttrium	R	157179	211450	34.53

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303052 File : met06_master Time : 20-SEP-2022 12:32
Cal : 482379303001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	20861000	5.80
Yttrium	A	959140	1040450	8.48
Yttrium	R	157179	213275	35.69

Enthalpy Sequence Summary for Sequence 672379380

Instrument : MET09 Begun : 09/20/22 11:00
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				09/20/22 11:00	1.0		
002	icp data	ICALBLK				09/20/22 11:04	1.0		
003	icp data	ICAL	L1			09/20/22 11:07	1.0	1	
004	icp data	ICAL	L2			09/20/22 11:11	1.0	2	
005	icp data	ICAL	L3			09/20/22 11:14	1.0	2	
006	icp data	ICAL	L4			09/20/22 11:17	1.0	3	
007	icp data	ICAL	L5			09/20/22 11:21	1.0	4	
008	icp data	ICAL	L6			09/20/22 11:24	1.0	4	
009	icp data	ICAL	L7			09/20/22 11:28	1.0	5	
010	icp data	ICAL	L8			09/20/22 11:31	1.0	6	
011	icp data	ICAL	L9			09/20/22 11:34	1.0	7	
012	icp data	ICAL	L10			09/20/22 11:38	1.0	8	
013	icp data	ICV				09/20/22 11:41	1.0	9	
014	icp data	ICB				09/20/22 11:44	1.0		
015	icp data	CRI				09/20/22 11:48	1.0	10	
016	icp data	ICSA				09/20/22 11:51	1.0	11	8:MGASMGCO3=1400
017	icp data	ICSAB				09/20/22 11:55	1.0	12	8:MGASMGCO3=1500
018	icp data	SAMPLE	469257-044	Wipe	297250	09/20/22 11:58	1.0		1:FE=75
019	icp data	SAMPLE	469270-002	Wipe	297250	09/20/22 12:01	1.0		1:FE=67
020	icp data	SAMPLE	469270-004	Wipe	297250	09/20/22 12:05	1.0		1:FE=28
021	icp data	SAMPLE	469270-006	Wipe	297250	09/20/22 12:08	1.0		1:FE=42
022	icp data	SAMPLE	469270-009	Wipe	297250	09/20/22 12:11	1.0		1:FE=44
023	icp data	SAMPLE	469270-011	Wipe	297250	09/20/22 12:15	1.0		1:FE=23
024	icp data	CCV				09/20/22 12:18	1.0	9	
025	icp data	CCB				09/20/22 12:21	1.0		
026	icp data	SAMPLE	469270-013	Wipe	297250	09/20/22 12:25	1.0		
027	icp data	SAMPLE	469270-015	Wipe	297250	09/20/22 12:28	1.0		1:FE=39
028	icp data	SAMPLE	469270-017	Wipe	297250	09/20/22 12:32	1.0		
029	icp data	SAMPLE	469270-019	Wipe	297250	09/20/22 12:35	1.0		1:FE=20
030	icp data	SAMPLE	469270-021	Wipe	297250	09/20/22 12:38	1.0		
031	icp data	SAMPLE	469270-024	Wipe	297250	09/20/22 12:42	1.0		
032	icp data	SAMPLE	469270-025	Wipe	297250	09/20/22 12:45	1.0		
033	icp data	SAMPLE	469270-026	Wipe	297250	09/20/22 12:48	1.0		1:FE=35
034	icp data	SAMPLE	469273-002	Wipe	297250	09/20/22 12:52	1.0		1:FE=46
035	icp data	SAMPLE	469273-005	Wipe	297250	09/20/22 12:55	1.0		1:FE=36
036	icp data	CCV				09/20/22 12:59	1.0	9	
037	icp data	CCB				09/20/22 13:02	1.0		
038	icp data	SAMPLE	469273-007	Wipe	297250	09/20/22 13:05	1.0		1:FE=36
039	icp data	SAMPLE	469273-008	Wipe	297250	09/20/22 13:09	1.0		1:FE=36
040	icp data	SAMPLE	469273-010	Wipe	297250	09/20/22 13:12	1.0		1:FE=38
041	icp data	BLANK	QC1013739	Wipe	297239	09/20/22 13:15	1.0		
042	icp data	BS	QC1013740	Wipe	297239	09/20/22 13:19	1.0		
043	icp data	BSD	QC1013741	Wipe	297239	09/20/22 13:22	1.0		
044	icp data	SAMPLE	469257-002	Wipe	297239	09/20/22 13:25	1.0		1:FE=42
045	icp data	SAMPLE	469257-004	Wipe	297239	09/20/22 13:29	1.0		1:FE=63
046	icp data	SAMPLE	469257-006	Wipe	297239	09/20/22 13:32	1.0		1:FE=38
047	icp data	XCCB				09/20/22 13:36	1.0		
048	icp data	CCV				09/20/22 13:42	1.0	9	
049	icp data	CCB				09/20/22 13:45	1.0		
050	icp data	SAMPLE	469257-012	Wipe	297239	09/20/22 13:49	1.0		1:FE=41
051	icp data	SAMPLE	469257-014	Wipe	297239	09/20/22 13:52	1.0		1:FE=82
052	icp data	SAMPLE	469257-016	Wipe	297239	09/20/22 13:56	1.0		1:FE=51

Enthalpy Sequence Summary for Sequence 672379380

Instrument : MET09 Begun : 09/20/22 11:00
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	icp data	SAMPLE	469257-018	Wipe	297239	09/20/22 13:59	1.0		1:FE=29
054	icp data	SAMPLE	469257-020	Wipe	297239	09/20/22 14:02	1.0		1:FE=42
055	icp data	SAMPLE	469257-022	Wipe	297239	09/20/22 14:06	1.0		1:FE=48
056	icp data	SAMPLE	469257-024	Wipe	297239	09/20/22 14:09	1.0		1:FE=97
057	icp data	SAMPLE	469257-025	Wipe	297239	09/20/22 14:12	1.0		1:FE=70
058	icp data	SAMPLE	469257-027	Wipe	297239	09/20/22 14:16	1.0		1:FE=50
059	icp data	SAMPLE	469257-029	Wipe	297239	09/20/22 14:19	1.0		1:FE=47
060	icp data	CCV				09/20/22 14:23	1.0	9	
061	icp data	XCCB				09/20/22 14:26	1.0		
062	icp data	XSAMPLE	469257-030	Wipe	297239	09/20/22 14:29	1.0		1:FE=38
063	icp data	XSAMPLE	469257-032	Wipe	297239	09/20/22 14:33	1.0		1:FE=36
064	icp data	CCB				09/20/22 14:37	1.0		
065	icp data	SAMPLE	469257-030	Wipe	297239	09/20/22 14:41	1.0		1:FE=38
066	icp data	SAMPLE	469257-032	Wipe	297239	09/20/22 14:44	1.0		1:FE=35
067	icp data	SAMPLE	469257-034	Wipe	297239	09/20/22 14:47	1.0		
068	icp data	SAMPLE	469257-036	Wipe	297239	09/20/22 14:51	1.0		1:FE=70
069	icp data	SAMPLE	469257-038	Wipe	297239	09/20/22 14:54	1.0		1:FE=25
070	icp data	SAMPLE	469257-040	Wipe	297239	09/20/22 14:58	1.0		
071	icp data	BLANK	QC1013498	Soil	297171	09/20/22 15:01	1.0		
072	icp data	LCS	QC1013499	Soil	297171	09/20/22 15:04	1.0		
073	icp data	SAMPLE	469046-001	Miscell.	297171	09/20/22 15:08	1.0		1:SULFUR=17
074	icp data	MSS	469144-101	Soil	297171	09/20/22 15:11	1.0		8:FEASFE2O3=380
075	icp data	CCV				09/20/22 15:14	1.0	9	
076	icp data	CCB				09/20/22 15:18	1.0		
077	icp data	MS	QC1013500	Soil	297171	09/20/22 15:21	1.0		8:ALASAL2O3=420
078	icp data	MSD	QC1013501	Soil	297171	09/20/22 15:24	1.0		6:FEASFE2O3=350
079	icp data	PDS	QC1013502	Soil	297171	09/20/22 15:28	1.0		5:FE=260
080	icp data	SAMPLE	469144-102	Soil	297171	09/20/22 15:31	1.0		3:FE=230
081	icp data	SAMPLE	469144-103	Soil	297171	09/20/22 15:35	1.0		4:FE=210
082	icp data	SAMPLE	469144-104	Soil	297171	09/20/22 15:38	1.0		3:FE=220
083	icp data	SAMPLE	469144-105	Soil	297171	09/20/22 15:41	1.0		3:FE=260
084	icp data	SAMPLE	469144-106	Soil	297171	09/20/22 15:45	1.0		3:FE=210
085	icp data	SAMPLE	469144-107	Soil	297171	09/20/22 15:48	1.0		5:FE=280
086	icp data	SAMPLE	469144-108	Soil	297171	09/20/22 15:51	1.0		3:FE=260
087	icp data	CCV				09/20/22 15:55	1.0	9	
088	icp data	CCB				09/20/22 15:58	1.0		
089	icp data	MSS	467519-025	Soil	297200	09/20/22 16:01	25.0		
090	icp data	MS	QC1013592	Soil	297200	09/20/22 16:05	25.0		
091	icp data	MSD	QC1013593	Soil	297200	09/20/22 16:08	25.0		
092	icp data	PDS	QC1013594	Soil	297200	09/20/22 16:12	25.0		
093	icp data	SAMPLE	468928-001	Sea Water	296852	09/20/22 16:15	50.0		2:NA=230
094	icp data	SAMPLE	469257-009	Wipe	297239	09/20/22 16:18	1.0		1:FE=52

SBW 09/20/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 085.

Standards used: 1=S17110 2=S17109 3=S17108 4=S17107 5=S17316 6=S17115 7=S17113 8=S17048 9=S17211 10=S17318 11=S17207 12=S17208

Enthalpy Internal Standard Summary for Sequence 672379380

Date : 09/20/22 Reference : icp data
Sequence : MET09 09/20/22 Analyzed : 09/20/22 11:04

#	Type	Sample ID	Y A	Y R
		ICALBLK STD	925504	202813
		LOWER LIMIT	277651	60844
		UPPER LIMIT	1851009	405625
014	ICB		907995	198730
016	ICSA		808246	183243
017	ICSAB		801946	182624
018	SAMPLE	469257-044	843041	191262
019	SAMPLE	469270-002	840614	190301
020	SAMPLE	469270-004	844840	193013
021	SAMPLE	469270-006	835549	191860
022	SAMPLE	469270-009	832174	190731
023	SAMPLE	469270-011	838755	191879
024	CCV		853757	189086
025	CCB		895609	198603
026	SAMPLE	469270-013	843017	195714
027	SAMPLE	469270-015	834620	191085
028	SAMPLE	469270-017	838283	192725
029	SAMPLE	469270-019	837776	191615
030	SAMPLE	469270-021	846722	192749
031	SAMPLE	469270-024	847917	193270
032	SAMPLE	469270-025	838591	190003
033	SAMPLE	469270-026	835164	189436
034	SAMPLE	469273-002	828831	189618
035	SAMPLE	469273-005	828379	189341
036	CCV		847626	188064
037	CCB		887963	199194
038	SAMPLE	469273-007	831276	189741
039	SAMPLE	469273-008	825279	189938
040	SAMPLE	469273-010	827846	191002
041	BLANK	QC1013739	841100	190433
042	BS	QC1013740	836278	188854
043	BSD	QC1013741	828102	189220
044	SAMPLE	469257-002	828115	189075
045	SAMPLE	469257-004	828837	189037
046	SAMPLE	469257-006	838484	190303
048	CCV		859405	188185
049	CCB		884133	197339
050	SAMPLE	469257-012	841894	191615
051	SAMPLE	469257-014	821382	187281
052	SAMPLE	469257-016	827210	189369
053	SAMPLE	469257-018	846062	189821
054	SAMPLE	469257-020	835865	190136
055	SAMPLE	469257-022	846018	189817
056	SAMPLE	469257-024	857710	193546
057	SAMPLE	469257-025	826337	189674
058	SAMPLE	469257-027	839080	189687
059	SAMPLE	469257-029	819786	187294
060	CCV		834192	186597
064	CCB		886702	194461
065	SAMPLE	469257-030	814154	186990
066	SAMPLE	469257-032	842968	193224

Enthalpy Internal Standard Summary for Sequence 672379380

Date : 09/20/22 Reference : icp data
Sequence : MET09 09/20/22 Analyzed : 09/20/22 11:04

#	Type	Sample ID	Y A	Y R
067	SAMPLE	469257-034	3141170 *	290347
068	SAMPLE	469257-036	831010	191081
069	SAMPLE	469257-038	841111	191138
070	SAMPLE	469257-040	844703	194780
071	BLANK	QC1013498	878571	197286
072	LCS	QC1013499	867390	196886
073	SAMPLE	469046-001	867394	197648
074	MSS	469144-101	852795	196504
075	CCV		838692	187819
076	CCB		873301	196383
077	MS	QC1013500	846425	194416
078	MSD	QC1013501	848115	195703
080	SAMPLE	469144-102	847525	194807
081	SAMPLE	469144-103	846226	194796
082	SAMPLE	469144-104	850452	196130
083	SAMPLE	469144-105	851564	194867
084	SAMPLE	469144-106	845031	194637
085	SAMPLE	469144-107	807131	186802
086	SAMPLE	469144-108	814459	187651
087	CCV		824694	186216
088	CCB		859967	192627
089	MSS	467519-025	881068	196132
090	MS	QC1013592	873315	195337
091	MSD	QC1013593	877550	196960
093	SAMPLE	468928-001	845607	190355
094	SAMPLE	469257-009	804071	184610

ENTHALPY INITIAL CALIBRATION FOR 469273 METALS Wipe: EPA 6010B

Instrument:	MET09		
Calibration #:	672379380001	Date:	20-SEP-2022 11:04
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	672379380003	L1	20-SEP-2022 11:07	S17110
L2	icp data	672379380004	L2	20-SEP-2022 11:11	S17109 (10X)
L3	icp data	672379380005	L3	20-SEP-2022 11:14	S17109
L4	icp data	672379380006	L4	20-SEP-2022 11:17	S17108
L5	icp data	672379380007	L5	20-SEP-2022 11:21	S17107 (2X)
L6	icp data	672379380008	L6	20-SEP-2022 11:24	S17107

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00297	8.79E-5		9911.6	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	5025.3	8609.1	11221	11809	11450	11354

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	**33**	0.0100	5	0.1000	2	1.0000	4	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09
Calnum : 672379380001 Cal Date : 20-SEP-2022

ICV 672379380013 (20-SEP-2022) stds: S17211

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9687	mg/L	-3	

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380014 File : icp data Time : 20-SEP-2022 11:44
Cal : 672379380001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	907995	-1.89
Yttrium	R	202813	198730	-2.01

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380016 File : icp data Time : 20-SEP-2022 11:51
Cal : 672379380001 Caldate : 20-SEP-2022
Standards: S17207

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.003599]	0.003333	mg/L	!a-

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	402.3	mg/L	101	
Aluminum as Al2O3	A	755.8	760.1	mg/L	101	
Iron	A	160.0	146.3	mg/L	91	
Iron as Fe2O3	A	228.8	209.1	mg/L	91	
Calcium	R	400.0	403.0	mg/L	101	
Calcium as CaCO3	R	998.9	1006	mg/L	101	
Magnesium	R	400.0	417.0	mg/L	104	
Magnesium as MgCO3	R	1388	1447	mg/L	104	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	808246	-12.67
Yttrium	R	202813	183243	-9.65

!=warning -=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380017 File : icp data Time : 20-SEP-2022 11:55
Cal : 672379380001 Caldate : 20-SEP-2022
Standards: S17208

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.018	mg/L	2	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	801946	-13.35
Yttrium	R	202813	182624	-9.95

ENTHALPY CONTINUING CALIBRATION FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380024 File : icp data Time : 20-SEP-2022 12:18
Cal : 672379380001 Caldate : 20-SEP-2022
Standards: S17211

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	9911.6	11676	1.000	1.006	mg/L	1	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	853757	-7.75
Yttrium	R	202813	189086	-6.77

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380025 File : icp data Time : 20-SEP-2022 12:21
Cal : 672379380001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	895609	-3.23
Yttrium	R	202813	198603	-2.08

ENTHALPY CONTINUING CALIBRATION FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380036 File : icp data Time : 20-SEP-2022 12:59
Cal : 672379380001 Caldate : 20-SEP-2022
Standards: S17211

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	9911.6	11707	1.000	1.009	mg/L	1	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	847626	-8.41
Yttrium	R	202813	188064	-7.27

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380037 File : icp data Time : 20-SEP-2022 13:02
Cal : 672379380001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	887963	-4.06
Yttrium	R	202813	199194	-1.78

ENTHALPY CONTINUING CALIBRATION FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380048 File : icp data Time : 20-SEP-2022 13:42
Cal : 672379380001 Caldate : 20-SEP-2022
Standards: S17211

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	9911.6	11836	1.000	1.020	mg/L	2	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	859405	-7.14
Yttrium	R	202813	188185	-7.21

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380049 File : icp data Time : 20-SEP-2022 13:45
Cal : 672379380001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	884133	-4.47
Yttrium	R	202813	197339	-2.70

SAMPLE PREPARATION SUMMARY

Batch # : 297250
Started By : KAM
Prep Date : 19-SEP-2022 09:30
Method : 3050B
Spike #1 ID : S16855
Spike #2 ID : S16906
Analysis : ICP
Finished By : KAM
Units : ft2

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
469257-042		Wipe	1	100	1	100.0						6010	
469257-044		Wipe	1	100	1	100.0						6010	
469270-002		Wipe	1.02	100	1	98.04						6010	
469270-004		Wipe	1	100	1	100.0						6010	
469270-006		Wipe	1.02	100	1	98.04						6010	
469270-009		Wipe	1	100	1	100.0						6010	
469270-011		Wipe	1	100	1	100.0						6010	
469270-013		Wipe	1	100	1	100.0						6010	
469270-015		Wipe	1	100	1	100.0						6010	
469270-017		Wipe	1	100	1	100.0						6010	
469270-019		Wipe	1	100	1	100.0						6010	
469270-021		Wipe	1	100	1	100.0						6010	
469270-024		Wipe	1	100	1	100.0						6010	
469270-025		Wipe	1	100	1	100.0						6010	
469270-026		Wipe	1	100	1	100.0						6010	
469273-002		Wipe	1.04	100	1	96.15						6010	
469273-005		Wipe	1	100	1	100.0						6010	
469273-007		Wipe	1	100	1	100.0						6010	
469273-008		Wipe	1	100	1	100.0						6010	
469273-010		Wipe	1.1104	100	1	90.06						6010	
QC1013780	BLANK	Wipe	1	100	1	100.0						ICP	
QC1013781	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1013782	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: SBW Date: 09/20/22 Reviewer: SLL Date: 09/20/22

ICP Prep Log

Initials: KM Prep Method: 3050B (Wipe) / 3010A / 200.7 / STLC QC Batch #: 297250 Thermometer ID: 918625

Prep Start, Date/Time: 9/19/22 9:30 Prep End, Date/Time: 9/19/22 12:03 HotBlock Temperature, °C: 94

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----		NA	100		
LCS	-----	-----	-----					
LCSD	"	"	"					
469257-42	A	NA	Wipe	1 Wipe				
↓ -44	↓	↓	↓	↓	↓	↓		
469270-2								
-4								
-6								
-9								
-11								
-13								
-15								
-17								
-19								
-21								
-24								
-25								
↓ -26								
469273-2								
-5								
-7								
-8								
↓ -10	↓	↓	↓	↓	↓	↓		

Hydrochloric Acid ID: 10 ml 221601149

Nitric Acid ID: 10 ml 2022050938

H_2O_2 ID: 3 ml 131502

LCS Spike ID: 1 ml (S169855, S169906)

MS/MSD Spike ID: NA NA

SAMPLE PREPARATION SUMMARY

Batch # : 297255 Analysis : ICP
Started By : KAM Prep Date : 19-SEP-2022 09:30 Finished By : KAM
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
469273-012		Wipe	1	100	1	100.0						6010	
469273-014		Wipe	1	100	1	100.0						6010	
469273-017		Wipe	1	100	1	100.0						6010	
469273-019		Wipe	1	100	1	100.0						6010	
469273-021		Wipe	1	100	1	100.0						6010	
469273-023		Wipe	1	100	1	100.0						6010	
469273-024		Wipe	1	100	1	100.0						6010	
QC1013791	BLANK	Wipe	1	100	1	100.0						ICP	
QC1013792	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1013793	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: SBW Date: 09/20/22 Reviewer: SLL Date: 09/20/22

ICP Prep Log

Initials: KM Prep Method: 3050B (wipe) / 3010A / 200.7 / STLC QC Batch #: 297255 Thermometer ID: 918625

Prep Start, Date/Time: 9/19/22 9:30 Prep End, Date/Time: 9/19/22 12:03 HotBlock Temperature, °C: 94

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	----	----	----		NA	100		
LCS	----	----	----					
LCSD	—	—	—					
U169273-12	A	NA	wipe	1 wipe				
-14								
-17								
-19								
-21								
-23								
-24								

9/19/22 KM

Hydrochloric Acid ID: 10 ml 22160149

Nitric Acid ID: 10 ml 2022050938

H_2O_2 ID: 3 ml 131502

LCS Spike ID: 1 ml (S160855, S169006)

MS/MSD Spike ID: NA

Enthalpy Analytical, Orange, Logbook # BK956

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482379303

Instrument : MET06 Begun : 09/20/22 09:43
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			09/20/22 09:43	1.0	1	
002	met06_master	ICALBLK	CALBLANK			09/20/22 09:47	1.0	1	
003	met06_master	ICALBLK	CALBLANK			09/20/22 09:50	1.0	1	
004	met06_master	ICAL	L1			09/20/22 09:53	1.0	2 1	
005	met06_master	ICAL	L2			09/20/22 09:57	1.0	3 1	
006	met06_master	ICAL	L3			09/20/22 10:00	1.0	4 1	
007	met06_master	ICAL	L4			09/20/22 10:03	1.0	5 1	
008	met06_master	ICAL	L5			09/20/22 10:07	1.0	6 1	
009	met06_master	ICAL	L6			09/20/22 10:10	1.0	7 1	
010	met06_master	ICAL	L7			09/20/22 10:13	1.0	8 1	
011	met06_master	ICAL	L8			09/20/22 10:16	1.0	9 1	
012	met06_master	ICV				09/20/22 10:20	1.0	10 1	
013	met06_master	CRI				09/20/22 10:23	1.0	11 1	
014	met06_master	ICB				09/20/22 10:26	1.0	1	
015	met06_master	ICSA				09/20/22 10:30	1.0	12 1	4:MGASMGCO3=1400
016	met06_master	ICSAB				09/20/22 10:33	1.0	13 1	4:MGASMGCO3=1400
017	met06_master	BLANK	QC1013595	Soil	297201	09/20/22 10:36	1.0	1	
018	met06_master	LCS	QC1013596	Soil	297201	09/20/22 10:39	1.0	1	
019	met06_master	MSS	469132-001	Miscell.	297201	09/20/22 10:43	1.0	1	4:FEASFE2O3=540
020	met06_master	MS	QC1013597	Miscell.	297201	09/20/22 10:46	1.0	1	4:FEASFE2O3=720
021	met06_master	MSD	QC1013598	Miscell.	297201	09/20/22 10:49	1.0	1	4:FEASFE2O3=610
022	met06_master	PDS	QC1013599	Miscell.	297201	09/20/22 10:53	1.0	1	2:FE=370
023	met06_master	SAMPLE	469238-005	Soil	297201	09/20/22 10:56	1.0	1	2:FE=170
024	met06_master	SAMPLE	469238-010	Soil	297201	09/20/22 10:59	1.0	1	2:FE=170
025	met06_master	SAMPLE	469238-015	Soil	297201	09/20/22 11:02	1.0	1	1:FE=160
026	met06_master	BLANK	QC1013590	Soil	297200	09/20/22 11:06	1.0	1	
027	met06_master	CCV				09/20/22 11:09	1.0	10 1	
028	met06_master	CCB				09/20/22 11:12	1.0	1	
029	met06_master	LCS	QC1013591	Soil	297200	09/20/22 11:15	1.0	1	
030	met06_master	MSS	467519-025	Soil	297200	09/20/22 11:19	1.0	1	5:FEASFE2O3=240
031	met06_master	MS	QC1013592	Soil	297200	09/20/22 11:22	1.0	1	4:FEASFE2O3=340
032	met06_master	MSD	QC1013593	Soil	297200	09/20/22 11:25	1.0	1	4:FEASFE2O3=260
033	met06_master	PDS	QC1013594	Soil	297200	09/20/22 11:28	1.0	1	3:FE=160
034	met06_master	SAMPLE	469238-020	Soil	297200	09/20/22 11:32	1.0	1	1:P=11
035	met06_master	BLANK	QC1013780	Wipe	297250	09/20/22 11:35	1.0	1	
036	met06_master	BS	QC1013781	Wipe	297250	09/20/22 11:38	1.0	1	
037	met06_master	BSD	QC1013782	Wipe	297250	09/20/22 11:41	1.0	1	
038	met06_master	SAMPLE	469257-042	Wipe	297250	09/20/22 11:45	1.0	1	
039	met06_master	CCV				09/20/22 11:48	1.0	10 1	
040	met06_master	CCB				09/20/22 11:51	1.0	1	
041	met06_master	BLANK	QC1013791	Wipe	297255	09/20/22 11:56	1.0	1	
042	met06_master	BS	QC1013792	Wipe	297255	09/20/22 12:00	1.0	1	
043	met06_master	BSD	QC1013793	Wipe	297255	09/20/22 12:03	1.0	1	
044	met06_master	SAMPLE	469273-012	Wipe	297255	09/20/22 12:06	1.0	1	
045	met06_master	SAMPLE	469273-014	Wipe	297255	09/20/22 12:09	1.0	1	
046	met06_master	SAMPLE	469273-017	Wipe	297255	09/20/22 12:13	1.0	1	
047	met06_master	SAMPLE	469273-019	Wipe	297255	09/20/22 12:16	1.0	1	
048	met06_master	SAMPLE	469273-021	Wipe	297255	09/20/22 12:19	1.0	1	
049	met06_master	SAMPLE	469273-023	Wipe	297255	09/20/22 12:22	1.0	1	
050	met06_master	SAMPLE	469273-024	Wipe	297255	09/20/22 12:26	1.0	1	
051	met06_master	CCV				09/20/22 12:29	1.0	10 1	
052	met06_master	CCB				09/20/22 12:32	1.0	1	

Enthalpy Sequence Summary for Sequence 482379303

Instrument : MET06 Begun : 09/20/22 09:43
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	XBLANK	QC1013739	Wipe	297239	09/20/22 12:35	1.0	1	
054	met06_master	BLANK	QC1013814	Water	297269	09/20/22 12:39	1.0	1	
055	met06_master	LCS	QC1013815	Water	297269	09/20/22 12:42	1.0	1	
056	met06_master	SAMPLE	468878-002	Water	297269	09/20/22 12:45	10.0	1	2:SULFUR=2200
057	met06_master	SAMPLE	468878-003	Water	297269	09/20/22 12:49	10.0	1	2:SULFUR=2200
058	met06_master	MSS	468878-004	Water	297269	09/20/22 12:52	10.0	1	1:SULFUR=2000
059	met06_master	MS	QC1013823	Water	297269	09/20/22 12:55	10.0	1	1:SULFUR=2100
060	met06_master	MSD	QC1013824	Water	297269	09/20/22 12:58	10.0	1	1:SULFUR=2000
061	met06_master	SAMPLE	468878-005	Water	297269	09/20/22 13:02	10.0	1	1:SULFUR=2100
062	met06_master	SAMPLE	468878-006	Water	297269	09/20/22 13:05	10.0	1	1:SULFUR=2000
063	met06_master	SAMPLE	468878-007	Water	297269	09/20/22 13:08	10.0	1	1:SULFUR=2100
064	met06_master	CCV				09/20/22 13:11	1.0	10 1	
065	met06_master	CCB				09/20/22 13:15	1.0	1	
066	met06_master	SAMPLE	468878-008	Water	297269	09/20/22 13:18	10.0	1	1:SULFUR=2000
067	met06_master	MSS	468878-001	Water	296854	09/20/22 13:21	250.0	1	
068	met06_master	MS	QC1012537	Water	296854	09/20/22 13:24	250.0	1	
069	met06_master	MSD	QC1012538	Water	296854	09/20/22 13:28	250.0	1	
070	met06_master	CRI				09/20/22 13:32	1.0	11 1	
071	met06_master	XBLANK	QC1013918	Drinking Water	297299	09/20/22 13:35	1.0	1	
072	met06_master	XLCS	QC1013919	Drinking Water	297299	09/20/22 13:38	1.0	1	
073	met06_master	MSS	469311-001	Drinking Water	297299	09/20/22 13:42	1.0	1	
074	met06_master	XMS	QC1013920	Drinking Water	297299	09/20/22 13:45	1.0	1	
075	met06_master	XMSD	QC1013921	Drinking Water	297299	09/20/22 13:48	1.0	1	
076	met06_master	SAMPLE	469312-001	Drinking Water	297299	09/20/22 13:51	1.0	1	
077	met06_master	SAMPLE	469313-001	Drinking Water	297299	09/20/22 13:55	1.0	1	
078	met06_master	BLANK	QC1013881	Filtrate	297289	09/20/22 13:58	1.0	1	
079	met06_master	LCS	QC1013882	Filtrate	297289	09/20/22 14:01	1.0	1	
080	met06_master	MSS	468979-001	Filtrate	297289	09/20/22 14:04	1.0	1	1:SULFUR=360
081	met06_master	CCV				09/20/22 14:08	1.0	10 1	
082	met06_master	CCB				09/20/22 14:11	1.0	1	
083	met06_master	MS	QC1013888	Filtrate	297289	09/20/22 14:14	1.0	1	1:SULFUR=350
084	met06_master	MSD	QC1013889	Filtrate	297289	09/20/22 14:17	1.0	1	1:SULFUR=360
085	met06_master	MSS	469096-003	Filtrate	297289	09/20/22 14:21	1.0	1	1:FEASFE2O3=90
086	met06_master	MS	QC1013883	Filtrate	297289	09/20/22 14:24	1.0	1	1:FEASFE2O3=89
087	met06_master	MSD	QC1013884	Filtrate	297289	09/20/22 14:27	1.0	1	1:FEASFE2O3=89
088	met06_master	SAMPLE	469096-007	Filtrate	297289	09/20/22 14:30	1.0	1	
089	met06_master	SAMPLE	469198-002	Filtrate	297289	09/20/22 14:34	1.0	1	
090	met06_master	SAMPLE	469198-003	Filtrate	297289	09/20/22 14:37	1.0	1	
091	met06_master	SAMPLE	469198-005	Filtrate	297289	09/20/22 14:40	1.0	1	
092	met06_master	SAMPLE	469198-007	Filtrate	297289	09/20/22 14:43	1.0	1	
093	met06_master	CCV				09/20/22 14:47	1.0	10 1	
094	met06_master	CCB				09/20/22 14:50	1.0	1	
095	met06_master	BLANK	QC1013918	Drinking Water	297299	09/20/22 14:54	1.0	1	
096	met06_master	LCS	QC1013919	Drinking Water	297299	09/20/22 14:57	1.0	1	
097	met06_master	MS	QC1013920	Drinking Water	297299	09/20/22 15:00	1.0	1	
098	met06_master	MSD	QC1013921	Drinking Water	297299	09/20/22 15:04	1.0	1	
099	met06_master	BLANK	QC1013905	Water	297296	09/20/22 15:07	1.0	1	
100	met06_master	BS	QC1013907	Water	297296	09/20/22 15:10	1.0	1	
101	met06_master	BSD	QC1013908	Water	297296	09/20/22 15:13	1.0	1	
102	met06_master	SAMPLE	469313-002	Sea Water	297296	09/20/22 15:17	25.0	1	
103	met06_master	BLANK	QC1013595	Soil	297201	09/20/22 15:20	1.0	1	
104	met06_master	MSS	469132-001	Miscell.	297201	09/20/22 15:23	1.0	1	4:FEASFE2O3=510

Enthalpy Sequence Summary for Sequence 482379303

Instrument : MET06 Begun : 09/20/22 09:43
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	CCV				09/20/22 15:26	1.0	10 1	
106	met06_master	CCB				09/20/22 15:30	1.0	1	
107	met06_master	SAMPLE	469238-005	Soil	297201	09/20/22 15:33	1.0	1	2:FE=170
108	met06_master	SAMPLE	469238-010	Soil	297201	09/20/22 15:36	1.0	1	2:FE=160
109	met06_master	SAMPLE	469238-015	Soil	297201	09/20/22 15:39	1.0	1	
110	met06_master	BLANK	QC1013590	Soil	297200	09/20/22 15:43	1.0	1	
111	met06_master	MSS	467519-025	Soil	297200	09/20/22 15:46	1.0	1	5:FEASFE2O3=230
112	met06_master	SAMPLE	469238-020	Soil	297200	09/20/22 15:49	1.0	1	1:P=11
113	met06_master	SAMPLE	469275-001	Miscell.	297200	09/20/22 15:52	1.0	1	
114	met06_master	BLANK	QC1013170	Water	297063	09/20/22 15:56	1.0	1	
115	met06_master	LCS	QC1013171	Water	297063	09/20/22 15:59	1.0	1	
116	met06_master	SAMPLE	469047-002	Water	297063	09/20/22 16:03	1.0	1	1:SULFUR=240
117	met06_master	CCV				09/20/22 16:08	1.0	10 1	
118	met06_master	CCB				09/20/22 16:11	1.0	1	
119	met06_master	MSS	469059-002	Water	297063	09/20/22 16:15	1.0	1	
120	met06_master	MS	QC1013172	Water	297063	09/20/22 16:18	1.0	1	

SBW 09/20/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 111.

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S17316 7=S17115 8=S17113 9=S17048 10=S17211 11=S17318 12=S16979 13=S17065

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 469273-012	Client ID	: ARCH-C2E-DG-6 TO 6.5-220915-L-FB
Seqnum	: 482379303044	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 297255	Time	: 20-SEP-2022 12:06
Cal	: 482379303001	Caldate	: 20-SEP-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.299	130	0.50	0.16	!<a- u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	959140	1011120	5.42

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 469273-012,297255			Sample Type: Unknown Sample
Measure Date: 2022-09-20 12:06:41	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	32561.60000000	3437.58000000	2837.89000000	6328.06000000	10071.70000000	26999.00000000	7069.22000000
Int RSD	*0.76580696*	*0.65518475*	*0.61178904*	*0.31084724*	*0.16793789*	*0.93530131*	*0.37021340*
Int SD	*249.35900000*	*22.52250000*	*17.36190000*	*19.67060000*	*16.91420000*	*252.52200000*	*26.17120000*
RelInt Mean	0.00002549	0.01319580	-0.00004406	0.00177951	0.00531226	0.12516800	0.00261622
RelInt RSD	*37.80769306*	*0.98158505*	*73.64419205*	*0.52761491*	*0.43310004*	*0.88525022*	*0.62786769*
RelInt SD	*0.00000964*	*0.00012953*	*0.00003245*	*0.00000939*	*0.00002301*	*0.00110805*	*0.00001643*
Conc Mean	<0.00010643[mg/l]	0.90488600[mg/l]	<0.00035702[mg/l]	0.01163060[mg/l]	0.01601250[mg/l]	8.54185000[mg/l]	0.01392870[mg/l]
Conc RSD	*344.97853109*	*1.38428487*	*455.35926861*	*0.87649820*	*0.44411678*	*0.88336367*	*0.63764099*
Conc SD	*0.00036717[mg/l]*	*0.01252620[mg/l]*	*0.00162571[mg/l]*	*0.00010194[mg/l]*	*0.00007111[mg/l]*	*0.07545560[mg/l]*	*0.00008882[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8963.77000000	179754	15807900	1541.71000000	3382.39000000	580482	3382.25000000
Int RSD	*0.89479761*	*0.74224218*	*1.46078859*	*4.44887171*	*3.77936903*	*0.80452796*	*2.21168157*
Int SD	*80.20760000*	*1334.21000000*	*230920*	*68.58870000*	*127.83300000*	*4670.14000000*	*74.80460000*
RelInt Mean	0.00449225	0.00729205	15.71850000	0.00753113	0.01192440	0.57150600	0.00029527
RelInt RSD	*1.67345985*	*1.08140921*	*1.61029360*	*5.98717590*	*4.72660260*	*0.83914780*	*26.43269110*
RelInt SD	*0.00007518*	*0.00007886*	*0.25311400*	*0.00045090*	*0.00056362*	*0.00479578*	*0.00007805*
Conc Mean	0.03112730[mg/l]	0.18338300[mg/l]	51.09910000[mg/l]	0.73067500[mg/l]	2.47089000[mg/l]	0.36356000[mg/l]	0.00218665[mg/l]
Conc RSD	*1.69847690*	*1.11915499*	*1.61027885*	*5.78254354*	*4.35579892*	*0.83911321*	*24.71442618*
Conc SD	*0.00052869[mg/l]*	*0.00205234[mg/l]*	*0.82283800[mg/l]*	*0.04225160[mg/l]*	*0.10762700[mg/l]*	*0.00305068[mg/l]*	*0.00054042[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	64388.80000000	17106.60000000	48037.70000000	3520.89000000	2826.97000000	5380.28000000	3417.76000000
Int RSD	*0.92517488*	*0.87214876*	*0.49983034*	*1.23360855*	*1.12941418*	*0.17078293*	*2.21047411*
Int SD	*595.70900000*	*149.19500000*	*240.10700000*	*43.43400000*	*31.92820000*	*9.18860000*	*75.54870000*
RelInt Mean	0.27751100	0.01226650	0.04308680	0.00017436	0.00005161	0.00212294	0.01399720
RelInt RSD	*0.92208237*	*1.18779603*	*0.66115144*	*21.13539647*	*49.76468879*	*0.32805449*	*2.37529649*
RelInt SD	*0.00255888*	*0.00014570*	*0.00028487*	*0.00003685*	*0.00002568*	*0.00000696*	*0.00033248*
Conc Mean	2.47947000[mg/l]	0.10144600[mg/l]	1.29917000[mg/l]	0.00800156[mg/l]	<0.00204868[mg/l]	0.03923770[mg/l]	0.01110990[mg/l]
Conc RSD	*1.02935708*	*1.20572521*	*0.66142768*	*20.03384340*	*65.12193217*	*0.33130382*	*2.25023628*
Conc SD	*0.02552260[mg/l]*	*0.00122316[mg/l]*	*0.00859307[mg/l]*	*0.00160302[mg/l]*	*0.00133414[mg/l]*	*0.00013000[mg/l]*	*0.00025000[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	240080	2592.98000000	9131.10000000	1011120	20624700	215196	254434
Int RSD	*0.91361629*	*0.11468118*	*0.98047552*	*0.15874773*	*0.55546990*	*0.73558988*	*0.23189432*
Int SD	*2193.41000000*	*2.97366000*	*89.52820000*	*1605.13000000*	*114564*	*1582.96000000*	*590.01800000*
RelInt Mean	0.00992239	-0.00037821	0.00010537	---	---	---	0.24996300
RelInt RSD	*1.64783888*	*6.52293585*	*8.62989959*	---	---	---	*0.19656709*
RelInt SD	*0.00016351*	*0.00002467*	*0.00000909*	---	---	---	*0.00049135*
Conc Mean	0.08742450[mg/l]	<-0.01837150[mg/l]	0.00408851[mg/l]	1005270	20575900	214653	0.83592300[mg/l]
Conc RSD	*1.64631196*	*8.39953188*	*39.02962204*	---	---	---	*0.19659466*
Conc SD	*0.00143928[mg/l]*	*0.00154312[mg/l]*	*0.00159573[mg/l]*	*1586.48000000*	*114450*	*1560.93000000*	*0.00164338[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-3.98700000	3577.06000000	186558	11783.70000000	4619.14000000	44880.80000000	
Int RSD	*2831.10107851*	*2.51264167*	*0.47558614*	*0.32688714*	*0.44292661*	*0.08544188*	
Int SD	*112.87600000*	*89.87870000*	*887.24400000*	*38.51940000*	*20.45940000*	*38.34700000*	
RelInt Mean	-0.00078033	0.00251440	0.18072600	0.00869935	-0.00005254	0.04129560	
RelInt RSD	*44.32365447*	*27.10750080*	*0.44781050*	*0.78735078*	*56.79457896*	*0.04137898*	
RelInt SD	*0.00034587*	*0.00068159*	*0.00080931*	*0.00006849*	*0.00002984*	*0.00001709*	
Conc Mean	<-0.00113414[mg/l]	<0.00152277[mg/l]	2.53055000[mg/l]	0.26237700[mg/l]	<-0.00043793[mg/l]	2.81827000[mg/l]	
Conc RSD	*98.03727935*	*57.43401827*	*0.44995357*	*0.79734504*	*22.28081913*	*0.04147757*	
Conc SD	*0.00111188[mg/l]*	*0.00087459[mg/l]*	*0.01138630[mg/l]*	*0.00209205[mg/l]*	*0.00009757[mg/l]*	*0.00116895[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 469273-014	Client ID	: AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-L-LA
Seqnum	: 482379303045	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 297255	Time	: 20-SEP-2022 12:09
Cal	: 482379303001	Caldate	: 20-SEP-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.150	110	0.50	0.16	!<a- u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	959140	1024160	6.78

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 469273-014,297255			Sample Type: Unknown Sample
Measure Date: 2022-09-20 12:09:57	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	31921.50000000	2311.03000000	2819.64000000	5636.93000000	8137.95000000	22487.10000000	4930.18000000
Int RSD	*0.27760851*	*3.27478224*	*1.06920032*	*0.63268836*	*0.18384851*	*1.95752231*	*0.41240279*
Int SD	*88.61680000*	*75.68120000*	*30.14760000*	*35.66420000*	*14.96150000*	*440.19000000*	*20.33220000*
RelInt Mean	0.00001839	0.00796251	-0.00014814	0.00132707	0.00344995	0.10316900	0.00054580
RelInt RSD	*57.15987403*	*6.66077656*	*28.24619788*	*2.68463608*	*0.72508297*	*3.19236399*	*1.59693808*
RelInt SD	*0.00001051*	*0.00053036*	*0.00004184*	*0.00003563*	*0.00002502*	*0.00329353*	*0.00000872*
Conc Mean	<-0.00016427[mg/l]	0.39889900[mg/l]	<-0.00484162[mg/l]	0.00671826[mg/l]	0.01026990[mg/l]	7.04321000[mg/l]	0.00267709[mg/l]
Conc RSD	*243.72511779*	*12.85518389*	*43.31814558*	*5.75768130*	*0.75340266*	*3.18563553*	*1.77217053*
Conc SD	*0.00040038[mg/l]*	*0.05127920[mg/l]*	*0.00209730[mg/l]*	*0.00038682[mg/l]*	*0.00007737[mg/l]*	*0.22437100[mg/l]*	*0.00004744[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5872.36000000	125411	6240780	1680.10000000	2953.09000000	204425	2919.86000000
Int RSD	*0.63499513*	*0.55976270*	*0.18057679*	*0.98497708*	*5.14545781*	*0.19641629*	*0.23054256*
Int SD	*37.28920000*	*702.00400000*	*11269.40000000*	*16.54860000*	*151.95000000*	*401.52400000*	*6.73152000*
RelInt Mean	0.00162248	0.00459523	6.12144000	0.00788989	0.00979688	0.19520600	-0.00008919
RelInt RSD	*1.58149253*	*0.51929066*	*0.14978943*	*1.38173029*	*8.40949363*	*0.24699753*	*4.55168927*
RelInt SD	*0.00002566*	*0.00002386*	*0.00916927*	*0.00010902*	*0.00082387*	*0.00048215*	*0.00000406*
Conc Mean	0.01094630[mg/l]	0.11319300[mg/l]	19.89810000[mg/l]	0.76429300[mg/l]	2.06462000[mg/l]	0.12416800[mg/l]	<-0.00047542[mg/l]
Conc RSD	*1.64851137*	*0.54895179*	*0.14997965*	*1.33650315*	*7.62019161*	*0.24658608*	*5.91266194*
Conc SD	*0.00018045[mg/l]*	*0.00062137[mg/l]*	*0.02984310[mg/l]*	*0.01021480[mg/l]*	*0.15732800[mg/l]*	*0.00030618[mg/l]*	*0.00002811[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	64688.00000000	8567.65000000	43488.90000000	3371.34000000	2800.23000000	4850.95000000	3123.32000000
Int RSD	*0.43616127*	*0.61211651*	*0.25740591*	*0.66575308*	*0.88273820*	*0.47550480*	*3.71390059*
Int SD	*282.14400000*	*52.44400000*	*111.94300000*	*22.44480000*	*24.71870000*	*23.06650000*	*115.99700000*
RelInt Mean	0.27612800	0.00379477	0.03813100	0.00004973	0.00004998	0.00133546	0.01266160
RelInt RSD	*2.09452862*	*0.81448415*	*0.35765650*	*48.82021647*	*55.39972511*	*1.00309257*	*5.54260915*
RelInt SD	*0.00578358*	*0.00003091*	*0.00013638*	*0.00002428*	*0.00002769*	*0.00001340*	*0.00070178*
Conc Mean	2.46568000[mg/l]	0.03031680[mg/l]	1.14990000[mg/l]	<0.00268841[mg/l]	<0.00196405[mg/l]	0.02454260[mg/l]	0.01010560[mg/l]
Conc RSD	*2.33963450*	*0.85591487*	*0.35841030*	*39.39875242*	*73.23235152*	*1.01818063*	*5.22169886*
Conc SD	*0.05768790[mg/l]*	*0.00025949[mg/l]*	*0.00412136[mg/l]*	*0.00105920[mg/l]*	*0.00143832[mg/l]*	*0.00024989[mg/l]*	*0.00052768[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	125669	2593.58000000	8467.36000000	1024160	20991900	217579	354377
Int RSD	*0.76770803*	*0.71978115*	*0.62117000*	*0.14466685*	*0.68254898*	*2.26349510*	*0.16719257*
Int SD	*964.77100000*	*18.66810000*	*52.59670000*	*1481.62000000*	*143280*	*4924.89000000*	*592.49200000*
RelInt Mean	0.00431645	-0.00033807	0.00008241	---	---	---	0.34484700
RelInt RSD	*0.59003811*	*5.66826792*	*4.31801304*	---	---	---	*0.07570546*
RelInt SD	*0.00002547*	*0.00001916*	*0.00000356*	---	---	---	*0.00026107*
Conc Mean	0.03808190[mg/l]	<-0.01572610[mg/l]	<0.00006039[mg/l]	1018540	20943300	217108	1.15351000[mg/l]
Conc RSD	*0.58860246*	*7.62827402*	*1034.13840152*	---	---	---	*0.07560775*
Conc SD	*0.00022415[mg/l]*	*0.00119963[mg/l]*	*0.00062454[mg/l]*	*1476.02000000*	*143083*	*4945.66000000*	*0.00087214[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	7.80741000	3449.96000000	101815	11933.20000000	4528.22000000	42923.00000000	
Int RSD	*487.64699177*	*1.65501049*	*0.38626921*	*1.05018771*	*0.68479226*	*0.16279407*	
Int SD	*38.07260000*	*57.09720000*	*393.28000000*	*125.32100000*	*31.00890000*	*69.87610000*	
RelInt Mean	-0.00072518	0.00227733	0.09552940	0.00852847	0.00007318	0.03870120	
RelInt RSD	*34.29250279*	*22.54640302*	*0.38525103*	*1.56113582*	*61.51041731*	*0.22959030*	
RelInt SD	*0.00024868*	*0.00051346*	*0.00036803*	*0.00013314*	*0.00004501*	*0.00008885*	
Conc Mean	<-0.00095685[mg/l]	<0.00121857[mg/l]	1.33314000[mg/l]	0.25715800[mg/l]	<0.00001546[mg/l]	2.64123000[mg/l]	
Conc RSD	*83.55010477*	*54.06681602*	*0.38768096*	*1.58100856*	*1023.83677693*	*0.22970926*	
Conc SD	*0.00079944[mg/l]*	*0.00065884[mg/l]*	*0.00516833[mg/l]*	*0.00406569[mg/l]*	*0.00015832[mg/l]*	*0.00606715[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 469273-017	Client ID	: AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-L-LA
Seqnum	: 482379303046	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 297255	Time	: 20-SEP-2022 12:13
Cal	: 482379303001	Caldate	: 20-SEP-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.7737	77	0.50	0.16	!<a- u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	959140	1014140	5.73

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 469273-017,297255			Sample Type: Unknown Sample
Measure Date: 2022-09-20 12:13:12	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	31793.80000000	2101.67000000	2837.41000000	5692.17000000	6132.96000000	17173.50000000	5245.06000000
Int RSD	*0.35964874*	*6.23799169*	*0.27523763*	*0.34046067*	*0.37973833*	*1.67320581*	*0.85472235*
Int SD	*114.34600000*	*131.10200000*	*7.80962000*	*19.37960000*	*23.28920000*	*287.34800000*	*44.83070000*
RelInt Mean	0.00002077	0.00698573	-0.00008316	0.00133645	0.00149233	0.07872500	0.00089427
RelInt RSD	*12.08108433*	*9.86531114*	*16.32674413*	*1.39810693*	*0.72718501*	*1.62885996*	*2.13053747*
RelInt SD	*0.00000251*	*0.00068916*	*0.00001358*	*0.00001868*	*0.00001085*	*0.00128232*	*0.00001905*
Conc Mean	<-0.00007347[mg/l]	0.30445800[mg/l]	<-0.00158693[mg/l]	0.00682015[mg/l]	0.00422139[mg/l]	5.37797000[mg/l]	0.00457572[mg/l]
Conc RSD	*130.11225127*	*21.88548174*	*42.87328364*	*2.97503721*	*0.79889799*	*1.62430248*	*2.34537952*
Conc SD	*0.00009559[mg/l]*	*0.06663210[mg/l]*	*0.00068037[mg/l]*	*0.00020290[mg/l]*	*0.00003372[mg/l]*	*0.08735450[mg/l]*	*0.00010732[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6275.45000000	157789	9273750	206.76400000	2472.58000000	238170	3009.05000000
Int RSD	*0.85017489*	*0.98451730*	*0.59314193*	*53.02228628*	*4.20079431*	*0.56402150*	*0.15872651*
Int SD	*53.35230000*	*1553.46000000*	*55006.50000000*	*109.63100000*	*103.86800000*	*1343.33000000*	*4.77616000*
RelInt Mean	0.00198626	0.00626589	9.19107000	0.00141654	0.00755879	0.23058200	-0.00001943
RelInt RSD	*1.67505261*	*0.67631893*	*0.76152940*	*27.60105609*	*2.56198413*	*0.25147410*	*122.26945245*
RelInt SD	*0.00003327*	*0.00004238*	*0.06999270*	*0.00039098*	*0.00019365*	*0.00057985*	*0.00002376*
Conc Mean	0.01350460[mg/l]	0.15667600[mg/l]	29.87770000[mg/l]	0.15770400[mg/l]	1.63724000[mg/l]	0.14667300[mg/l]	<0.00000761[mg/l]
Conc RSD	*1.73243191*	*0.70389849*	*0.76158138*	*23.23175062*	*2.25874032*	*0.25181049*	*2161.69338255*
Conc SD	*0.00023396[mg/l]*	*0.00110284[mg/l]*	*0.22754300[mg/l]*	*0.03663740[mg/l]*	*0.03698100[mg/l]*	*0.00036934[mg/l]*	*0.00016451[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	33715.30000000	11667.20000000	30496.60000000	3430.62000000	2799.99000000	5029.53000000	3474.84000000
Int RSD	*0.76922643*	*0.37965922*	*0.16875258*	*1.00062379*	*0.52019829*	*0.67935175*	*0.61377790*
Int SD	*259.34700000*	*44.29560000*	*51.46380000*	*34.32760000*	*14.56550000*	*34.16820000*	*21.32780000*
RelInt Mean	0.13341100	0.00694232	0.02564770	0.00012957	0.00002365	0.00164230	0.01420920
RelInt RSD	*1.32183253*	*0.36881043*	*0.75042207*	*21.26520437*	*58.47581992*	*0.99092127*	*1.91147989*
RelInt SD	*0.00176347*	*0.00002560*	*0.00019247*	*0.00002755*	*0.00001383*	*0.00001627*	*0.00027161*
Conc Mean	1.04210000[mg/l]	0.05674360[mg/l]	0.77366000[mg/l]	0.00615274[mg/l]	<0.00059600[mg/l]	0.03026860[mg/l]	0.01126930[mg/l]
Conc RSD	*1.68779388*	*0.37891322*	*0.75009694*	*19.49440412*	*120.50580792*	*1.00320794*	*1.81273903*
Conc SD	*0.01758850[mg/l]*	*0.00021501[mg/l]*	*0.00580320[mg/l]*	*0.00119944[mg/l]*	*0.00071821[mg/l]*	*0.00030366[mg/l]*	*0.00020428[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	136548	2593.41000000	8432.47000000	1014140	20586500	218121	152193
Int RSD	*3.54462899*	*0.23483098*	*2.31412623*	*0.50388013*	*0.69780196*	*1.14585024*	*0.62863075*
Int SD	*4840.12000000*	*6.09013000*	*195.13800000*	*5110.05000000*	*143653*	*2499.34000000*	*956.73200000*
RelInt Mean	0.00493741	-0.00041653	0.00007828	---	---	---	0.14788400
RelInt RSD	*4.56814403*	*4.45627513*	*8.91818177*	---	---	---	*0.21619242*
RelInt SD	*0.00022555*	*0.00001856*	*0.00000698*	---	---	---	*0.00031971*
Conc Mean	0.04354750[mg/l]	<-0.02065450[mg/l]	<-0.00066480[mg/l]	1008350	20538700	217622	0.49428300[mg/l]
Conc RSD	*4.55888398*	*5.64438742*	*184.29452467*	---	---	---	*0.21653992*
Conc SD	*0.00198528[mg/l]*	*0.00116582[mg/l]*	*0.00122519[mg/l]*	*5120.00000000*	*143642*	*2458.75000000*	*0.00107032[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	39.98810000	3510.67000000	107498	11217.90000000	4557.36000000	25967.20000000	
Int RSD	*33.74603945*	*2.41484674*	*1.01329327*	*0.35579832*	*0.91650429*	*0.56961089*	
Int SD	*13.49440000*	*84.77730000*	*1089.27000000*	*39.91310000*	*41.76840000*	*147.91200000*	
RelInt Mean	-0.00049166	0.00224502	0.10202900	0.00804472	0.00009598	0.02241650	
RelInt RSD	*28.58180161*	*4.02993737*	*0.68451421*	*0.67041115*	*50.14394359*	*0.38823010*	
RelInt SD	*0.00014053*	*0.00009047*	*0.00069840*	*0.00005393*	*0.00004813*	*0.00008703*	
Conc Mean	<-0.00020615[mg/l]	<0.00117711[mg/l]	1.42448000[mg/l]	0.24238500[mg/l]	<0.00008240[mg/l]	1.52997000[mg/l]	
Conc RSD	*219.13752122*	*9.86296948*	*0.68921361*	*0.67939848*	*204.85473538*	*0.38827036*	
Conc SD	*0.00045175[mg/l]*	*0.00011610[mg/l]*	*0.00981771[mg/l]*	*0.00164676[mg/l]*	*0.00016880[mg/l]*	*0.00594042[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 469273-019	Client ID	: AFRAME-C2E-LAT-L3-UP-C2.5-DG-220915-L-LA
Seqnum	: 482379303047	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 297255	Time	: 20-SEP-2022 12:16
Cal	: 482379303001	Caldate	: 20-SEP-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.320	130	0.50	0.16	!<a- u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	959140	1021200	6.47

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 469273-019,297255			Sample Type: Unknown Sample
Measure Date: 2022-09-20 12:16:28	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	32048.70000000	3080.76000000	2720.15000000	5603.83000000	7868.23000000	20842.50000000	5157.15000000
Int RSD	*0.67552818*	*6.96844285*	*0.74030476*	*0.38101977*	*0.63758304*	*1.72350726*	*0.99056262*
Int SD	*216.49800000*	*214.68100000*	*20.13740000*	*21.35170000*	*50.16650000*	*359.22200000*	*51.08480000*
RelInt Mean	0.00001683	0.01161960	-0.00017402	0.00127302	0.00319028	0.09550480	0.00079475
RelInt RSD	*13.41648152*	*7.94640091*	*15.56502451*	*1.18888941*	*1.25761375*	*2.86320688*	*6.30513068*
RelInt SD	*0.00000226*	*0.00092334*	*0.00002709*	*0.00001513*	*0.00004012*	*0.00273450*	*0.00005011*
Conc Mean	<-0.00022339[mg/l]	0.75249100[mg/l]	<-0.00614446[mg/l]	0.00613142[mg/l]	0.00946757[mg/l]	6.52106000[mg/l]	0.00401580[mg/l]
Conc RSD	*38.51611950*	*11.86341099*	*22.09290971*	*2.68083087*	*1.32163797*	*2.85660613*	*6.82504109*
Conc SD	*0.00008604[mg/l]*	*0.08927110[mg/l]*	*0.00135749[mg/l]*	*0.00016437[mg/l]*	*0.00012513[mg/l]*	*0.18628100[mg/l]*	*0.00027408[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6871.45000000	97358.60000000	6966230	1092.35000000	3079.69000000	277116	2924.17000000
Int RSD	*0.58164580*	*1.00748265*	*0.09936723*	*9.36503868*	*6.46123473*	*0.26451450*	*1.68846544*
Int SD	*39.96750000*	*980.87100000*	*6922.15000000*	*102.29900000*	*198.98600000*	*733.01200000*	*49.37360000*
RelInt Mean	0.00256921	0.00328642	6.85412000	0.00520760	0.01039350	0.26734100	-0.00007868
RelInt RSD	*1.67950070*	*0.29739595*	*0.38518876*	*11.45118673*	*5.33007168*	*0.11649130*	*64.97644192*
RelInt SD	*0.00004315*	*0.00000977*	*0.02640130*	*0.00059633*	*0.00055398*	*0.00031143*	*0.00005112*
Conc Mean	0.01760390[mg/l]	0.07912850[mg/l]	22.28010000[mg/l]	0.51294800[mg/l]	2.17855000[mg/l]	0.17005900[mg/l]	<-0.00040261[mg/l]
Conc RSD	*1.72364078*	*0.32164012*	*0.38511183*	*10.89381380*	*4.85598219*	*0.11659836*	*87.91916803*
Conc SD	*0.00030343[mg/l]*	*0.00025451[mg/l]*	*0.08580330[mg/l]*	*0.05587960[mg/l]*	*0.10579000[mg/l]*	*0.00019829[mg/l]*	*0.00035397[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	76006.50000000	18377.60000000	49114.10000000	3432.55000000	2772.72000000	4576.92000000	2681.53000000
Int RSD	*0.58194233*	*0.80317343*	*0.67864625*	*0.81853141*	*1.16550175*	*0.53032826*	*9.51061521*
Int SD	*442.31400000*	*147.60400000*	*333.31100000*	*28.09650000*	*32.31610000*	*24.27270000*	*255.03000000*
RelInt Mean	0.32802700	0.01347350	0.04378120	0.00013271	0.00002969	0.00122451	0.01048610
RelInt RSD	*1.58915272*	*0.79619253*	*0.49416188*	*16.35190837*	*65.73648007*	*1.94013932*	*9.88699326*
RelInt SD	*0.00521285*	*0.00010727*	*0.00021635*	*0.00002170*	*0.00001951*	*0.00002376*	*0.00103676*
Conc Mean	2.98336000[mg/l]	0.11157900[mg/l]	1.32014000[mg/l]	0.00626539[mg/l]	<0.00090975[mg/l]	0.02247240[mg/l]	0.00846977[mg/l]
Conc RSD	*1.74288051*	*0.80678443*	*0.49475359*	*15.12188387*	*111.41888899*	*1.97292679*	*9.20422869*
Conc SD	*0.05199640[mg/l]*	*0.00090020[mg/l]*	*0.00653144[mg/l]*	*0.00094744[mg/l]*	*0.00101363[mg/l]*	*0.00044336[mg/l]*	*0.00077958[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	158801	2556.61000000	8755.67000000	1021200	20817100	217646	362720
Int RSD	*0.57159968*	*0.77710718*	*0.79337618*	*0.36813357*	*0.99767979*	*1.51297520*	*0.32318041*
Int SD	*907.70600000*	*19.86760000*	*69.46540000*	*3759.38000000*	*207688*	*3292.93000000*	*1172.24000000*
RelInt Mean	0.00592872	-0.00038406	0.00009418	---	---	---	0.35409500
RelInt RSD	*0.58119459*	*8.39440404*	*5.98225293*	---	---	---	*0.05678787*
RelInt SD	*0.00003446*	*0.00003224*	*0.00000563*	---	---	---	*0.00020108*
Conc Mean	0.05227280[mg/l]	<-0.01864260[mg/l]	<0.00212605[mg/l]	1015500	20768700	217152	1.18445000[mg/l]
Conc RSD	*0.58012006*	*10.82670872*	*46.51165307*	---	---	---	*0.05678855*
Conc SD	*0.00030325[mg/l]*	*0.00201838[mg/l]*	*0.00098886[mg/l]*	*3772.82000000*	*207803*	*3350.77000000*	*0.00067263[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	3.42137000	3438.33000000	157046	12485.00000000	4538.08000000	41404.80000000	
Int RSD	*1337.92603548*	*4.22056638*	*0.34953708*	*1.52781738*	*0.48162439*	*0.09892283*	
Int SD	*45.77540000*	*145.11700000*	*548.93400000*	*190.74800000*	*21.85650000*	*40.95880000*	
RelInt Mean	-0.00074346	0.00220737	0.15016300	0.00925521	0.00009780	0.03745740	
RelInt RSD	*5.25264441*	*23.76950851*	*0.11321630*	*1.71463424*	*33.81703515*	*0.41483926*	
RelInt SD	*0.00003905*	*0.00052468*	*0.00017001*	*0.00015869*	*0.00003307*	*0.00015539*	
Conc Mean	<-0.00101561[mg/l]	<0.00112880[mg/l]	2.10104000[mg/l]	0.27935200[mg/l]	<0.00010529[mg/l]	2.55635000[mg/l]	
Conc RSD	*12.36094564*	*59.64280652*	*0.11376509*	*1.73479696*	*112.27656947*	*0.41485321*	
Conc SD	*0.00012554[mg/l]*	*0.00067325[mg/l]*	*0.00239025[mg/l]*	*0.00484619[mg/l]*	*0.00011822[mg/l]*	*0.01060510[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 469273-021	Client ID	: AFRAME-C2E-MED-L3-DN-C2.4-DG-220915-L-LA
Seqnum	: 482379303048	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 297255	Time	: 20-SEP-2022 12:19
Cal	: 482379303001	Caldate	: 20-SEP-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.390	140	0.50	0.16	!<a- u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	959140	1018730	6.21

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 469273-021,297255			Sample Type: Unknown Sample
Measure Date: 2022-09-20 12:19:43	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	32308.80000000	3230.42000000	2830.01000000	5710.12000000	7683.20000000	20328.80000000	5388.86000000
Int RSD	*0.59968492*	*2.24346989*	*0.82156247*	*0.90797566*	*0.74694919*	*1.51738420*	*0.83240611*
Int SD	*193.75100000*	*72.47350000*	*23.25030000*	*51.84650000*	*57.38960000*	*308.46600000*	*44.85720000*
RelInt Mean	0.00001345	0.01233570	-0.00001421	0.00124343	0.00294317	0.09276140	0.00096181
RelInt RSD	*66.29703971*	*2.50921310*	*52.50718006*	*4.44332210*	*2.14814978*	*1.73819067*	*2.65299248*
RelInt SD	*0.00000892*	*0.00030953*	*0.00000746*	*0.00005525*	*0.00006322*	*0.00161237*	*0.00002552*
Conc Mean	<-0.00035224[mg/l]	0.82172500[mg/l]	<0.00185583[mg/l]	0.00581014[mg/l]	0.00870229[mg/l]	6.33418000[mg/l]	0.00491578[mg/l]
Conc RSD	*96.45640343*	*3.64175363*	*20.11509675*	*10.32450165*	*2.22943616*	*1.73403661*	*2.87962439*
Conc SD	*0.00033976[mg/l]*	*0.02992520[mg/l]*	*0.00037330[mg/l]*	*0.00059987[mg/l]*	*0.00019401[mg/l]*	*0.10983700[mg/l]*	*0.00014156[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	8484.37000000	311662	11612500	230.72600000	2855.31000000	354181	3034.01000000
Int RSD	*2.16883516*	*1.21872092*	*0.36575845*	*19.66224006*	*5.14325940*	*0.33333804*	*1.33776092*
Int SD	*184.01200000*	*3798.29000000*	*42473.70000000*	*45.36590000*	*146.85600000*	*1180.62000000*	*40.58780000*
RelInt Mean	0.00406512	0.01357540	11.45830000	0.00124260	0.00921945	0.34391100	-0.00000012
RelInt RSD	*4.27783190*	*1.20451699*	*0.61453357*	*14.61492033*	*6.39623839*	*0.14038836*	*40989.49473124*
RelInt SD	*0.00017390*	*0.00016352*	*0.07041510*	*0.00018160*	*0.00058970*	*0.00048281*	*0.00005084*
Conc Mean	0.02812360[mg/l]	0.34692000[mg/l]	37.24860000[mg/l]	0.14140500[mg/l]	1.95435000[mg/l]	0.21877000[mg/l]	<0.00014130[mg/l]
Conc RSD	*4.34841201*	*1.22680157*	*0.61451974*	*12.03465224*	*5.76176222*	*0.14021621*	*249.13163482*
Conc SD	*0.00122293[mg/l]*	*0.00425602[mg/l]*	*0.22890000[mg/l]*	*0.01701760[mg/l]*	*0.11260500[mg/l]*	*0.00030675[mg/l]*	*0.00035202[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	32428.40000000	11750.30000000	51391.50000000	3460.01000000	2760.05000000	6445.00000000	3421.97000000
Int RSD	*0.20533976*	*0.65942401*	*0.41310723*	*0.70521183*	*1.23456821*	*1.11350659*	*2.61900893*
Int SD	*66.58840000*	*77.48430000*	*212.30200000*	*24.40040000*	*34.07470000*	*71.76550000*	*89.62170000*
RelInt Mean	0.12643400	0.00691322	0.04608440	0.00013772	0.00002425	0.00319324	0.01402430
RelInt RSD	*1.36203869*	*1.11755448*	*0.45588312*	*13.17274529*	*55.98469449*	*2.18415778*	*3.90715401*
RelInt SD	*0.00172208*	*0.00007726*	*0.00021009*	*0.00001814*	*0.00001358*	*0.00006975*	*0.00054795*
Conc Mean	0.97251600[mg/l]	0.05649930[mg/l]	1.38954000[mg/l]	0.00642241[mg/l]	<0.00062754[mg/l]	0.05921020[mg/l]	0.01113020[mg/l]
Conc RSD	*1.76631541*	*1.14813812*	*0.45578321*	*12.41846908*	*112.38713831*	*2.19810100*	*3.70191012*
Conc SD	*0.01717770[mg/l]*	*0.00064869[mg/l]*	*0.00633329[mg/l]*	*0.00079756[mg/l]*	*0.00070527[mg/l]*	*0.00130150[mg/l]*	*0.00041203[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	179088	2537.77000000	8925.40000000	1018730	20786300	218540	245255
Int RSD	*1.67808563*	*0.40109230*	*1.08584041*	*0.25572919*	*0.44157161*	*1.08081816*	*0.46630650*
Int SD	*3005.25000000*	*10.17880000*	*96.91560000*	*2605.19000000*	*91786.40000000*	*2362.02000000*	*1143.64000000*
RelInt Mean	0.00690607	-0.00036228	0.00009462	---	---	---	0.23903000
RelInt RSD	*2.39010030*	*2.16916932*	*2.21052620*	---	---	---	*0.23912940*
RelInt SD	*0.00016506*	*0.00000786*	*0.00000209*	---	---	---	*0.00057159*
Conc Mean	0.06087520[mg/l]	<-0.01730180[mg/l]	<0.00220310[mg/l]	1012920	20737600	218014	0.79933500[mg/l]
Conc RSD	*2.38665335*	*2.82739368*	*16.66769552*	---	---	---	*0.23946405*
Conc SD	*0.00145288[mg/l]*	*0.00048919[mg/l]*	*0.00036721[mg/l]*	*2645.98000000*	*91553.80000000*	*2359.38000000*	*0.00191412[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-40.64700000	3554.82000000	155236	12023.90000000	4632.22000000	24228.00000000	
Int RSD	*374.95756144*	*2.14368379*	*0.18830490*	*0.25446153*	*0.49394891*	*1.14034588*	
Int SD	*152.40900000*	*76.20410000*	*292.31700000*	*30.59620000*	*22.88080000*	*276.28300000*	
RelInt Mean	-0.00087289	0.00207536	0.14858800	0.00889858	0.00005966	0.02063100	
RelInt RSD	*31.01028651*	*21.80628903*	*0.26900019*	*0.51166029*	*44.29103965*	*1.49799816*	
RelInt SD	*0.00027069*	*0.00045256*	*0.00039970*	*0.00004553*	*0.00002642*	*0.00030905*	
Conc Mean	<-0.00143172[mg/l]	<0.00095941[mg/l]	2.07888000[mg/l]	0.26846100[mg/l]	<-0.00005563[mg/l]	1.40813000[mg/l]	
Conc RSD	*60.77934233*	*60.52705089*	*0.26995257*	*0.51798585*	*163.40754456*	*1.49782335*	
Conc SD	*0.00087019[mg/l]*	*0.00058071[mg/l]*	*0.00561199[mg/l]*	*0.00139059[mg/l]*	*0.00009090[mg/l]*	*0.02109130[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 469273-023	Client ID	: AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-L-WF
Seqnum	: 482379303049	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 297255	Time	: 20-SEP-2022 12:22
Cal	: 482379303001	Caldate	: 20-SEP-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.6978	70	0.50	0.16	!<a- u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	959140	1019740	6.32

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 469273-023,297255			Sample Type: Unknown Sample
Measure Date: 2022-09-20 12:22:59	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	32189.40000000	1865.35000000	2594.90000000	5391.28000000	6495.73000000	22440.20000000	4897.81000000
Int RSD	*0.64350687*	*2.80784839*	*1.20415430*	*0.79165616*	*0.99151289*	*1.95853869*	*0.37983507*
Int SD	*207.14100000*	*52.37620000*	*31.24660000*	*42.68040000*	*64.40600000*	*439.50000000*	*18.60360000*
RelInt Mean	0.00002466	0.00562470	-0.00027372	0.00112394	0.00186617	0.10126400	0.00054242
RelInt RSD	*34.80429933*	*4.62373104*	*9.12460041*	*1.54772497*	*2.19597893*	*0.77163849*	*3.26746801*
RelInt SD	*0.00000858*	*0.00026007*	*0.00002498*	*0.00001740*	*0.00004098*	*0.00078139*	*0.00001772*
Conc Mean	<0.00007460[mg/l]	0.17286500[mg/l]	<-0.01113110[mg/l]	0.00451284[mg/l]	0.00537746[mg/l]	6.91342000[mg/l]	0.00267119[mg/l]
Conc RSD	*438.22744461*	*14.54614873*	*11.24722624*	*4.18472625*	*2.34064038*	*0.76981291*	*3.50366316*
Conc SD	*0.00032693[mg/l]*	*0.02514520[mg/l]*	*0.00125194[mg/l]*	*0.00018885[mg/l]*	*0.00012587[mg/l]*	*0.05322040[mg/l]*	*0.00009359[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5183.30000000	64404.60000000	3934950	1272.33000000	2750.45000000	173901	2890.72000000
Int RSD	*0.33729670*	*0.74379780*	*0.70612333*	*7.86022494*	*3.73822465*	*1.72700560*	*1.48636672*
Int SD	*17.48310000*	*479.04000000*	*27785.60000000*	*100.00800000*	*102.81800000*	*3003.28000000*	*42.96670000*
RelInt Mean	0.00096130	0.00170775	3.87463000	0.00576511	0.00855565	0.16604700	-0.00007243
RelInt RSD	*4.09422419*	*0.64142292*	*0.47091980*	*7.67352227*	*5.20066856*	*1.55266280*	*41.89621869*
RelInt SD	*0.00003936*	*0.00001095*	*0.01824640*	*0.00044239*	*0.00044495*	*0.00257815*	*0.00003034*
Conc Mean	0.00629670[mg/l]	0.03804040[mg/l]	12.59360000[mg/l]	0.56518900[mg/l]	1.82759000[mg/l]	0.10561800[mg/l]	<-0.00035933[mg/l]
Conc RSD	*4.39555640*	*0.74970820*	*0.47087648*	*7.33448457*	*4.64903507*	*1.55253839*	*58.47122733*
Conc SD	*0.00027677[mg/l]*	*0.00028519[mg/l]*	*0.05930030[mg/l]*	*0.04145370[mg/l]*	*0.08496530[mg/l]*	*0.00163976[mg/l]*	*0.00021011[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	56025.00000000	6038.04000000	28087.50000000	3272.91000000	2742.53000000	4271.48000000	2655.31000000
Int RSD	*0.78400000*	*0.53812164*	*0.80161994*	*0.80588223*	*2.12874973*	*0.55045558*	*5.56247670*
Int SD	*439.23600000*	*32.49200000*	*225.15500000*	*26.37580000*	*58.38160000*	*23.51260000*	*147.70100000*
RelInt Mean	0.23150000	0.00137113	0.02313020	0.00001475	0.00004018	0.00098510	0.00990102
RelInt RSD	*1.51177970*	*2.37433358*	*0.63547656*	*87.42692438*	*69.84431537*	*4.39239794*	*2.77489592*
RelInt SD	*0.00349977*	*0.00003256*	*0.00014699*	*0.00001289*	*0.00002807*	*0.00004327*	*0.00027474*
Conc Mean	2.02052000[mg/l]	0.00996794[mg/l]	0.69780800[mg/l]	<0.00119081[mg/l]	<0.00145505[mg/l]	0.01800470[mg/l]	0.00802984[mg/l]
Conc RSD	*1.72768396*	*2.74177011*	*0.63577374*	*47.25875664*	*100.19105873*	*4.48440685*	*2.57284080*
Conc SD	*0.03490820[mg/l]*	*0.00027330[mg/l]*	*0.00443648[mg/l]*	*0.00056276[mg/l]*	*0.00145783[mg/l]*	*0.00080740[mg/l]*	*0.00020660[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	107746	2549.29000000	8461.19000000	1019740	20795600	221492	250945
Int RSD	*4.80288827*	*0.86358555*	*1.76710368*	*0.23605821*	*1.36481756*	*1.83496921*	*0.25773695*
Int SD	*5174.92000000*	*22.01530000*	*149.51800000*	*2407.18000000*	*283822*	*4064.31000000*	*646.77800000*
RelInt Mean	0.00348175	-0.00038041	0.00008298	---	---	---	0.24441400
RelInt RSD	*6.63054498*	*7.31036858*	*6.28040690*	---	---	---	*0.10044228*
RelInt SD	*0.00023086*	*0.00002781*	*0.00000521*	---	---	---	*0.00024549*
Conc Mean	0.03073500[mg/l]	<-0.01835950[mg/l]	<0.00016030[mg/l]	1014080	20747400	220949	0.81736300[mg/l]
Conc RSD	*6.61138767*	*9.49944171*	*570.63443543*	---	---	---	*0.10038086*
Conc SD	*0.00203201[mg/l]*	*0.00174405[mg/l]*	*0.00091473[mg/l]*	*2389.92000000*	*283777*	*4021.59000000*	*0.00082048[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-67.51880000	3577.74000000	87954.40000000	10900.90000000	4526.88000000	39464.70000000	
Int RSD	*17.71373306*	*3.63503217*	*1.41124264*	*0.27186104*	*0.79758244*	*0.62470005*	
Int SD	*11.96010000*	*130.05200000*	*1241.25000000*	*29.63530000*	*36.10560000*	*246.53600000*	
RelInt Mean	-0.00098245	0.00228352	0.08230170	0.00777108	0.00014327	0.03563770	
RelInt RSD	*47.61188865*	*19.50256621*	*1.49716227*	*0.30201851*	*23.75936176*	*0.48899901*	
RelInt SD	*0.00046776*	*0.00044534*	*0.00123219*	*0.00002347*	*0.00003404*	*0.00017427*	
Conc Mean	<-0.00178392[mg/l]	<0.00122652[mg/l]	1.14722000[mg/l]	0.23402800[mg/l]	<0.00028057[mg/l]	2.43218000[mg/l]	
Conc RSD	*84.29413875*	*46.59108698*	*1.50978016*	*0.30642359*	*40.31393459*	*0.48891118*	
Conc SD	*0.00150374[mg/l]*	*0.00057145[mg/l]*	*0.01732050[mg/l]*	*0.00071712[mg/l]*	*0.00011311[mg/l]*	*0.01189120[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 469273-024	Client ID	: AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-L-DUP-WF
Seqnum	: 482379303050	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 297255	Time	: 20-SEP-2022 12:26
Cal	: 482379303001	Caldate	: 20-SEP-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.8186	82	0.50	0.16	!<a- u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	959140	1025860	6.96

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 469273-024,297255			Sample Type: Unknown Sample
Measure Date: 2022-09-20 12:26:13	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	32530.00000000	1769.03000000	2640.23000000	5455.47000000	6519.05000000	18854.20000000	4991.18000000
Int RSD	*0.94160160*	*2.12969254*	*0.37453139*	*1.48278883*	*0.08915026*	*1.22928048*	*1.00890972*
Int SD	*306.30300000*	*37.67490000*	*9.88849000*	*80.89310000*	*5.81175000*	*231.77100000*	*50.35650000*
RelInt Mean	0.00002878	0.00528127	-0.00023327	0.00113277	0.00185439	0.08674000	0.00060953
RelInt RSD	*15.06402818*	*4.84209291*	*10.14900932*	*3.67483249*	*2.62341255*	*2.32279225*	*3.42612599*
RelInt SD	*0.00000434*	*0.00025572*	*0.00002367*	*0.00004163*	*0.00004865*	*0.00201479*	*0.00002088*
Conc Mean	<0.00023192[mg/l]	0.13966000[mg/l]	<-0.00910474[mg/l]	0.00460863[mg/l]	0.00534091[mg/l]	5.92398000[mg/l]	0.00304068[mg/l]
Conc RSD	*71.23090389*	*17.70392381*	*13.03299161*	*9.80788217*	*2.82515526*	*2.31695583*	*3.76813739*
Conc SD	*0.00016520[mg/l]*	*0.02472530[mg/l]*	*0.00118662[mg/l]*	*0.00045201[mg/l]*	*0.00015089[mg/l]*	*0.13725600[mg/l]*	*0.00011458[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5309.19000000	72113.40000000	4193010	1080.76000000	2715.28000000	182422	2909.54000000
Int RSD	*1.04475259*	*1.16212937*	*0.19941999*	*13.00066620*	*0.48008677*	*0.97069432*	*1.75890347*
Int SD	*55.46790000*	*838.05100000*	*8361.70000000*	*140.50600000*	*13.03570000*	*1770.76000000*	*51.17600000*
RelInt Mean	0.00104816	0.00205619	4.10460000	0.00505221	0.00853343	0.17335500	-0.00006695
RelInt RSD	*1.23982026*	*0.62144063*	*0.77742289*	*16.04337508*	*2.22344356*	*0.30896426*	*91.04666655*
RelInt SD	*0.00001300*	*0.00001278*	*0.03191010*	*0.00081054*	*0.00018974*	*0.00053560*	*0.00006096*
Conc Mean	0.00690753[mg/l]	0.04710920[mg/l]	13.34120000[mg/l]	0.49838600[mg/l]	1.82335000[mg/l]	0.11026700[mg/l]	<-0.00032142[mg/l]
Conc RSD	*1.32309234*	*0.70618478*	*0.77740383*	*15.23971380*	*1.98716648*	*0.30877234*	*131.31519916*
Conc SD	*0.00009139[mg/l]*	*0.00033268[mg/l]*	*0.10371500[mg/l]*	*0.07595260[mg/l]*	*0.03623300[mg/l]*	*0.00034047[mg/l]*	*0.00042207[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	59011.10000000	6391.08000000	32362.10000000	3269.32000000	2765.42000000	4434.53000000	2424.98000000
Int RSD	*0.05432266*	*0.32597151*	*0.31938904*	*1.53544468*	*1.76449870*	*1.01526430*	*6.64904453*
Int SD	*32.05640000*	*20.83310000*	*103.36100000*	*50.19860000*	*48.79580000*	*45.02220000*	*161.23800000*
RelInt Mean	0.24968100	0.00165434	0.02713760	-0.00000655	0.00004621	0.00112713	0.00910410
RelInt RSD	*2.45826475*	*1.21204226*	*1.28417767*	*450.61816028*	*65.68319587*	*1.89205327*	*6.64767522*
RelInt SD	*0.00613782*	*0.00002005*	*0.00034849*	*0.00002952*	*0.00003035*	*0.00002133*	*0.00060521*
Conc Mean	2.20187000[mg/l]	0.01234580[mg/l]	0.81860100[mg/l]	<0.00025912[mg/l]	<0.00176791[mg/l]	0.02065520[mg/l]	0.00743061[mg/l]
Conc RSD	*2.78045025*	*1.36358924*	*1.28314038*	*496.59614539*	*89.17196011*	*1.92689008*	*6.12435587*
Conc SD	*0.06122190[mg/l]*	*0.00016835[mg/l]*	*0.01050380[mg/l]*	*0.00128677[mg/l]*	*0.00157648[mg/l]*	*0.00039800[mg/l]*	*0.00045508[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	105336	2554.93000000	8587.28000000	1025860	20798100	217459	273955
Int RSD	*0.53809619*	*0.86010967*	*2.29877214*	*0.89418342*	*0.97672384*	*2.35850896*	*0.49363947*
Int SD	*566.80900000*	*21.97520000*	*197.40200000*	*9173.07000000*	*203140*	*5128.79000000*	*1352.35000000*
RelInt Mean	0.00334731	-0.00036123	0.00008343	---	---	---	0.26549000
RelInt RSD	*0.54758298*	*8.11229871*	*6.41227587*	---	---	---	*0.40480997*
RelInt SD	*0.00001833*	*0.00002930*	*0.00000535*	---	---	---	*0.00107473*
Conc Mean	0.02955170[mg/l]	<-0.01715570[mg/l]	<0.00023985[mg/l]	1020180	20749500	216930	0.88790500[mg/l]
Conc RSD	*0.54587384*	*10.69755242*	*391.48700202*	---	---	---	*0.40524944*
Conc SD	*0.00016132[mg/l]*	*0.00183524[mg/l]*	*0.00093896[mg/l]*	*9152.54000000*	*203140*	*5129.65000000*	*0.00359823[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-23.31090000	3475.88000000	87733.40000000	11607.20000000	4562.48000000	35777.00000000	
Int RSD	*886.83834601*	*2.02095872*	*0.99936740*	*0.52526449*	*0.91230646*	*0.03470973*	
Int SD	*206.73000000*	*70.24610000*	*876.77900000*	*60.96850000*	*41.62380000*	*12.41810000*	
RelInt Mean	-0.00059135	0.00192850	0.08159800	0.00838345	0.00015607	0.03177550	
RelInt RSD	*127.19211023*	*5.29121079*	*1.11210691*	*1.65340045*	*15.80499651*	*0.97576749*	
RelInt SD	*0.00075215*	*0.00010204*	*0.00090746*	*0.00013861*	*0.00002467*	*0.00031006*	
Conc Mean	<-0.00052662[mg/l]	<0.00077096[mg/l]	1.13733000[mg/l]	0.25272900[mg/l]	<0.00031743[mg/l]	2.16863000[mg/l]	
Conc RSD	*459.14265369*	*16.98332732*	*1.12105545*	*1.67483352*	*27.43013486*	*0.97575889*	
Conc SD	*0.00241796[mg/l]*	*0.00013093[mg/l]*	*0.01275010[mg/l]*	*0.00423279[mg/l]*	*0.00008707[mg/l]*	*0.02116060[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC1013780
Seqnum : 482379303035.3 Matrix : Wipe
File : met06_master Batch : 297250 Time : 20-SEP-2022 11:35
Cal : 482379303001 Caldate : 20-SEP-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.0007929	ND	0.50	!<a- u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	959140	974749	1.63

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC1013780,297250			Sample Type: Unknown Sample
Measure Date: 2022-09-20 11:35:23	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	29916.60000000	781.58000000	1870.95000000	4854.40000000	4313.22000000	98.61860000	3953.84000000
Int RSD	*0.91230955*	*8.84404667*	*1.52554585*	*1.29960242*	*0.51476391*	*87.76620232*	*0.37791109*
Int SD	*272.93200000*	*69.12330000*	*28.54220000*	*63.08790000*	*22.20290000*	*86.55380000*	*14.94200000*
RelInt Mean	0.00002662	0.00271680	-0.00015025	0.00105776	0.00017433	0.00034350	0.00002181
RelInt RSD	*12.58008889*	*1.48442285*	*23.76971714*	*4.84976743*	*14.57160722*	*73.09517433*	*87.87659301*
RelInt SD	*0.00000335*	*0.00004033*	*0.00003571*	*0.00005130*	*0.00002540*	*0.00025108*	*0.00001917*
Conc Mean	<0.00014936[mg/l]	<-0.10828700[mg/l]	<-0.00493787[mg/l]	0.00379425[mg/l]	<0.00014700[mg/l]	<0.03837250[mg/l]	<-0.00014992[mg/l]
Conc RSD	*85.41195217*	*3.60103244*	*36.24984052*	*14.67958094*	*53.81080989*	*44.57436967*	*67.54112138*
Conc SD	*0.00012757[mg/l]*	*0.00389945[mg/l]*	*0.00178997[mg/l]*	*0.00055698[mg/l]*	*0.00007910[mg/l]*	*0.01710430[mg/l]*	*0.00010126[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3909.61000000	32534.30000000	22179.20000000	-195.31300000	458.51600000	5956.72000000	2562.10000000
Int RSD	*0.64386218*	*0.26111642*	*15.80688212*	*24.24636353*	*8.01313367*	*1.07430935*	*1.23649350*
Int SD	*25.17250000*	*84.95240000*	*3505.84000000*	*47.35630000*	*36.74150000*	*63.99360000*	*31.68020000*
RelInt Mean	0.00010362	0.00028465	0.01782930	-0.00058499	-0.00061713	0.00102992	0.00011114
RelInt RSD	*7.68029069*	*2.48747765*	*20.82998211*	*56.92084939*	*48.76086893*	*9.16348843*	*44.50033740*
RelInt SD	*0.00000796*	*0.00000708*	*0.00371384*	*0.00033298*	*0.00030092*	*0.00009438*	*0.00004946*
Conc Mean	<0.00026520[mg/l]	<0.00100125[mg/l]	0.05482670[mg/l]	<-0.02984970[mg/l]	<0.07600150[mg/l]	0.00063877[mg/l]	0.00091174[mg/l]
Conc RSD	*21.10183104*	*18.40519351*	*22.02211696*	*104.53036379*	*75.60600778*	*9.39909890*	*37.56195578*
Conc SD	*0.00005596[mg/l]*	*0.00018428[mg/l]*	*0.01207400[mg/l]*	*0.03120200[mg/l]*	*0.05746170[mg/l]*	*0.00006004[mg/l]*	*0.00034247[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	9786.30000000	4476.71000000	4197.90000000	2843.92000000	2131.85000000	2694.98000000	178.91300000
Int RSD	*1.14457967*	*0.70687849*	*0.66760761*	*1.35897283*	*1.22764735*	*1.97693489*	*44.22417600*
Int SD	*112.01200000*	*31.64490000*	*28.02550000*	*38.64810000*	*26.17160000*	*53.27800000*	*79.12280000*
RelInt Mean	0.03354470	0.00028994	0.00000331	0.00005029	0.00002572	0.00082757	-0.00037999
RelInt RSD	*2.64156186*	*1.03255145*	*717.38310652*	*22.39586233*	*187.86293944*	*7.10108099*	*97.78074275*
RelInt SD	*0.00088610*	*0.00000299*	*0.00002378*	*0.00001126*	*0.00004831*	*0.00005877*	*0.00037156*
Conc Mean	<0.04595970[mg/l]	0.00089029[mg/l]	<0.00079288[mg/l]	0.00277528[mg/l]	<0.00070361[mg/l]	0.01506520[mg/l]	<0.00029930[mg/l]
Conc RSD	*19.23091317*	*2.82322469*	*90.31635185*	*17.67540572*	*356.66359203*	*7.27949181*	*93.34518313*
Conc SD	*0.00883847[mg/l]*	*0.00002514[mg/l]*	*0.00071610[mg/l]*	*0.00049054[mg/l]*	*0.00250951[mg/l]*	*0.00109667[mg/l]*	*0.00027938[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	63718.90000000	1909.82000000	7688.35000000	974749	19884700	179814	3391.93000000
Int RSD	*18.31654344*	*0.57812255*	*1.26304214*	*0.54551377*	*0.46329389*	*3.63710278*	*1.07836541*
Int SD	*11671.10000000*	*11.04110000*	*97.10710000*	*5317.39000000*	*92124.60000000*	*6540.02000000*	*36.57740000*
RelInt Mean	0.00153541	-0.00021387	0.00007689	---	---	---	0.00078052
RelInt RSD	*39.21056916*	*1.88657287*	*10.25082198*	---	---	---	*7.15566722*
RelInt SD	*0.00060204*	*0.00000403*	*0.00000788*	---	---	---	*0.00005585*
Conc Mean	0.01360360[mg/l]	<-0.00789051[mg/l]	<-0.00090932[mg/l]	969472	19839500	179506	0.00194378[mg/l]
Conc RSD	*38.95336529*	*3.31813786*	*152.13472940*	---	---	---	*9.61821811*
Conc SD	*0.00529906[mg/l]*	*0.00026182[mg/l]*	*0.00138339[mg/l]*	*5301.45000000*	*92297.90000000*	*6540.51000000*	*0.00018696[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-189.46200000	2655.87000000	5511.74000000	2644.48000000	4083.76000000	2826.77000000	
Int RSD	*22.22308431*	*2.98094410*	*1.02662861*	*1.01722834*	*1.34663398*	*0.74815072*	
Int SD	*42.10430000*	*79.17000000*	*56.58510000*	*26.90040000*	*54.99330000*	*21.14850000*	
RelInt Mean	-0.00150397	0.00235376	0.00147822	0.00064996	0.00016833	0.00024499	
RelInt RSD	*6.97912857*	*21.46327578*	*3.88916399*	*5.54047609*	*17.19164736*	*17.08410887*	
RelInt SD	*0.00010496*	*0.00050519*	*0.00005749*	*0.00003601*	*0.00002894*	*0.00004185*	
Conc Mean	<-0.00346047[mg/l]	<0.00131665[mg/l]	0.01119090[mg/l]	0.01655950[mg/l]	<0.00034465[mg/l]	0.01698500[mg/l]	
Conc RSD	*9.75116097*	*49.23419284*	*7.17831452*	*6.64132371*	*28.09045197*	*16.81583750*	
Conc SD	*0.00033744[mg/l]*	*0.00064824[mg/l]*	*0.00080332[mg/l]*	*0.00109977[mg/l]*	*0.00009681[mg/l]*	*0.00285617[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC1013791
Seqnum : 482379303041.1 Matrix : Wipe
File : met06_master Batch : 297255 Time : 20-SEP-2022 11:56
Cal : 482379303001 Caldate : 20-SEP-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0.001610	ND	0.50	!<a- u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	959140	1005170	4.80

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC1013791,297255			Sample Type: Unknown Sample
Measure Date: 2022-09-20 11:56:53	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	31502.60000000	995.88400000	1979.01000000	4844.90000000	6699.60000000	166.27300000	4180.22000000
Int RSD	*0.57487319*	*11.37180635*	*0.82755519*	*0.70641499*	*1.13248851*	*97.16730918*	*0.40905263*
Int SD	*181.10000000*	*113.25000000*	*16.37740000*	*34.22510000*	*75.87220000*	*161.56300000*	*17.09930000*
RelInt Mean	0.00002411	0.00273442	-0.00010288	0.00083043	0.00235954	0.00039899	0.00004827
RelInt RSD	*16.98368652*	*20.85890244*	*5.14445265*	*4.26686351*	*2.74478924*	*142.01588002*	*4.98129180*
RelInt SD	*0.00000409*	*0.00057037*	*0.00000529*	*0.00003543*	*0.00006476*	*0.00056663*	*0.00000240*
Conc Mean	<0.00005380[mg/l]	<-0.10658400[mg/l]	<-0.00256368[mg/l]	<0.00132599[mg/l]	0.00689798[mg/l]	<0.04215310[mg/l]	<0.00001719[mg/l]
Conc RSD	*289.97851157*	*51.74012985*	*10.34349061*	*29.01386888*	*2.89502144*	*91.57286178*	*75.99813867*
Conc SD	*0.00015600[mg/l]*	*0.05514670[mg/l]*	*0.00026517[mg/l]*	*0.00038472[mg/l]*	*0.00019970[mg/l]*	*0.03860080[mg/l]*	*0.00001307[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4121.60000000	33959.50000000	17595.80000000	-40.64370000	747.25300000	8167.01000000	2624.60000000
Int RSD	*0.48707298*	*0.44073970*	*0.77223542*	*99.64274906*	*3.83297223*	*0.73158230*	*0.78195916*
Int SD	*20.07520000*	*149.67300000*	*135.88100000*	*40.49850000*	*28.64200000*	*59.74840000*	*20.52330000*
RelInt Mean	0.00010855	0.00027476	0.01242960	-0.00002968	-0.00053654	0.00296397	0.00006197
RelInt RSD	*22.00910171*	*4.20671056*	*1.04423312*	*662.95239283*	*50.21675843*	*1.90896332*	*21.27766356*
RelInt SD	*0.00002389*	*0.00001156*	*0.00012979*	*0.00019675*	*0.00026943*	*0.00005658*	*0.00001319*
Conc Mean	<0.00029990[mg/l]	<0.00074385[mg/l]	0.03727190[mg/l]	0.02218570[mg/l]	<0.09138920[mg/l]	0.00186916[mg/l]	0.00057123[mg/l]
Conc RSD	*56.02082020*	*40.44223910*	*1.13219074*	*83.10262917*	*56.29757127*	*1.92597744*	*15.98244484*
Conc SD	*0.00016801[mg/l]*	*0.00030083[mg/l]*	*0.00042199[mg/l]*	*0.01843690[mg/l]*	*0.05144990[mg/l]*	*0.00003600[mg/l]*	*0.00009130[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12199.70000000	4668.19000000	4416.00000000	2950.99000000	2204.48000000	2761.72000000	357.49400000
Int RSD	*1.98818823*	*0.67445198*	*0.78807292*	*0.95667217*	*0.60514498*	*0.97419000*	*16.86330400*
Int SD	*242.55300000*	*31.48470000*	*34.80130000*	*28.23130000*	*13.34030000*	*26.90440000*	*60.28530000*
RelInt Mean	0.03635490	0.00026637	0.00003042	0.00002856	-0.00000629	0.00079822	-0.00023788
RelInt RSD	*3.86311061*	*7.24814074*	*154.71944352*	*115.35630880*	*263.67645515*	*5.14790446*	*40.74363976*
RelInt SD	*0.00140443*	*0.00001931*	*0.00004707*	*0.00003295*	*0.00001657*	*0.00004109*	*0.00009692*
Conc Mean	0.07399100[mg/l]	<0.00069239[mg/l]	<0.00160952[mg/l]	<0.00182812[mg/l]	<-0.00095871[mg/l]	0.01451730[mg/l]	<0.00040616[mg/l]
Conc RSD	*18.93284318*	*23.41165188*	*87.63482280*	*78.55994136*	*89.79649738*	*5.28198770*	*17.94345536*
Conc SD	*0.01400860[mg/l]*	*0.00016210[mg/l]*	*0.00141050[mg/l]*	*0.00143617[mg/l]*	*0.00086089[mg/l]*	*0.00076680[mg/l]*	*0.00007288[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	36260.60000000	1976.10000000	8069.93000000	1005170	20475500	207364	3949.48000000
Int RSD	*1.03155215*	*0.47743130*	*0.96007772*	*0.33883423*	*0.54552026*	*2.19145560*	*0.83979410*
Int SD	*374.04700000*	*9.43452000*	*77.47760000*	*3405.86000000*	*111698*	*4544.29000000*	*33.16750000*
RelInt Mean	0.00006197	-0.00018213	0.00007087	---	---	---	0.00119391
RelInt RSD	*11.21699226*	*1.89713674*	*11.87860358*	---	---	---	*4.32820732*
RelInt SD	*0.00000695*	*0.00000346*	*0.00000842*	---	---	---	*0.00005167*
Conc Mean	0.00063471[mg/l]	<-0.00586935[mg/l]	<-0.00196578[mg/l]	999725	20428100	206814	0.00332732[mg/l]
Conc RSD	*9.64019675*	*3.69018716*	*75.15947868*	---	---	---	*5.19499177*
Conc SD	*0.00006119[mg/l]*	*0.00021659[mg/l]*	*0.00147747[mg/l]*	*3387.89000000*	*111624*	*4492.76000000*	*0.00017285[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-82.30700000	3404.63000000	5750.57000000	2626.87000000	4248.68000000	2917.35000000	
Int RSD	*106.55339157*	*0.17873455*	*0.30055281*	*1.89452847*	*0.86983016*	*1.13598643*	
Int SD	*87.70090000*	*6.08525000*	*17.28350000*	*49.76680000*	*36.95630000*	*33.14070000*	
RelInt Mean	-0.00082208	0.00183103	0.00147594	0.00051205	0.00015969	0.00022549	
RelInt RSD	*20.80213702*	*5.30759190*	*1.44387306*	*7.47137481*	*11.81315516*	*15.96544445*	
RelInt SD	*0.00017101*	*0.00009718*	*0.00002131*	*0.00003826*	*0.00001886*	*0.00003600*	
Conc Mean	<-0.00126836[mg/l]	<0.00064590[mg/l]	0.01116650[mg/l]	0.01234770[mg/l]	<0.00030616[mg/l]	0.01565430[mg/l]	
Conc RSD	*43.34313602*	*19.30648385*	*2.66711145*	*9.46143816*	*21.33079003*	*15.69338776*	
Conc SD	*0.00054975[mg/l]*	*0.00012470[mg/l]*	*0.00029782[mg/l]*	*0.00116827[mg/l]*	*0.00006531[mg/l]*	*0.00245669[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 469273 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482379303036.3
File : met06_master
IDF : 1.0
Lab ID : QC1013781
Matrix : Wipe
Batch : 297250
Time : 20-SEP-2022 11:38
Cal : 482379303001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482379303037.3
File : met06_master
IDF : 1.0
Lab ID : QC1013782
Matrix : Wipe
Batch : 297250
Time : 20-SEP-2022 11:41
Cal : 482379303001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.060	106.0	A	106	1.049	104.9	A	105	80-120	1	20	!<a- u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	959140	979253	2.10

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	959140	986612	2.86

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC1013781,297250			Sample Type: Unknown Sample
Measure Date: 2022-09-20 11:38:41	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	289771	2291.19000000	21757.60000000	88153.20000000	335499	2280.86000000	189041
Int RSD	*0.39492910*	*1.60511350*	*0.77297588*	*0.59309248*	*0.25289494*	*5.42067466*	*0.23290080*
Int SD	*1144.39000000*	*36.77620000*	*168.18100000*	*522.83000000*	*848.46000000*	*123.63800000*	*440.27800000*
RelInt Mean	0.01294300	0.01108440	0.02015900	0.08638730	0.33990700	0.01254450	0.18968300
RelInt RSD	*0.21838909*	*5.26061853*	*1.02896969*	*0.70572526*	*0.14458543*	*6.51941488*	*0.22630758*
RelInt SD	*0.00002827*	*0.00058311*	*0.00020743*	*0.00060966*	*0.00049146*	*0.00081783*	*0.00042927*
Conc Mean	0.49224600[mg/l]	0.70074000[mg/l]	1.01200000[mg/l]	0.93026800[mg/l]	1.04576000[mg/l]	0.86954300[mg/l]	1.03655000[mg/l]
Conc RSD	*0.21875241*	*8.04560893*	*1.02727273*	*0.71152937*	*0.14606411*	*6.40729671*	*0.22653321*
Conc SD	*0.00107680[mg/l]*	*0.05637880[mg/l]*	*0.01039600[mg/l]*	*0.00661913[mg/l]*	*0.00152748[mg/l]*	*0.05571420[mg/l]*	*0.00234813[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	150232	807669	350556	7758.45000000	1431.97000000	1651200	147218
Int RSD	*0.21121133*	*0.96852176*	*0.13585219*	*5.39179862*	*4.34948358*	*0.12960695*	*0.30879172*
Int SD	*317.30700000*	*7822.45000000*	*476.23800000*	*418.32000000*	*62.28330000*	*2140.07000000*	*454.59700000*
RelInt Mean	0.14998500	0.03896290	0.35465900	0.04516500	0.00444391	1.68993000	0.14849300
RelInt RSD	*0.25808914*	*0.48728919*	*0.19930017*	*6.26919075*	*5.26203276*	*0.24522140*	*0.33371876*
RelInt SD	*0.00038710*	*0.00018986*	*0.00070684*	*0.00283148*	*0.00023384*	*0.00414407*	*0.00049555*
Conc Mean	1.05427000[mg/l]	1.00768000[mg/l]	1.14989000[mg/l]	4.25717000[mg/l]	1.04243000[mg/l]	1.07507000[mg/l]	1.02832000[mg/l]
Conc RSD	*0.25806672*	*0.48995812*	*0.19987999*	*6.23245020*	*4.28339553*	*0.24541193*	*0.33337871*
Conc SD	*0.00272072[mg/l]*	*0.00493721[mg/l]*	*0.00229840[mg/l]*	*0.26532600[mg/l]*	*0.04465140[mg/l]*	*0.00263835[mg/l]*	*0.00342820[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	22764.20000000	126743	38644.90000000	24920.30000000	17133.30000000	2706.50000000	240103
Int RSD	*1.41114118*	*0.37922883*	*0.60561937*	*0.36489609*	*0.18676729*	*0.65364493*	*3.05947864*
Int SD	*321.23500000*	*480.64600000*	*234.04100000*	*90.93320000*	*31.99940000*	*17.69090000*	*7345.90000000*
RelInt Mean	0.10805900	0.12548400	0.03513830	0.02253130	0.01532020	0.00074543	1.37692000
RelInt RSD	*4.16009772*	*0.41821029*	*0.78640686*	*0.56806753*	*0.42098210*	*2.61647000*	*0.34425094*
RelInt SD	*0.00449536*	*0.00052479*	*0.00027633*	*0.00012799*	*0.00006450*	*0.00001950*	*0.00474006*
Conc Mean	0.78922700[mg/l]	1.05202000[mg/l]	1.05964000[mg/l]	0.97635600[mg/l]	0.79514300[mg/l]	0.01353230[mg/l]	1.03592000[mg/l]
Conc RSD	*5.68097645*	*0.41888747*	*0.78603582*	*0.57114823*	*0.42139213*	*2.68924721*	*0.34444841*
Conc SD	*0.04483580[mg/l]*	*0.00440678[mg/l]*	*0.00832915[mg/l]*	*0.00557644[mg/l]*	*0.00335067[mg/l]*	*0.00036392[mg/l]*	*0.00356821[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2402280	18186.30000000	125895	979253	19992500	174483	284069
Int RSD	*1.10361407*	*0.81751648*	*1.18211208*	*0.13175553*	*0.59029136*	*3.11209115*	*0.24402592*
Int SD	*26511.90000000*	*148.67600000*	*1488.22000000*	*1290.22000000*	*118014*	*5430.07000000*	*693.20200000*
RelInt Mean	0.11852000	0.01634030	0.00597911	---	---	---	0.28865600
RelInt RSD	*0.54682838*	*1.03908129*	*0.80964558*	---	---	---	*0.24349295*
RelInt SD	*0.00064810*	*0.00016979*	*0.00004841*	---	---	---	*0.00070286*
Conc Mean	1.04328000[mg/l]	1.02345000[mg/l]	1.03458000[mg/l]	973845	19946100	174142	0.96490900[mg/l]
Conc RSD	*0.54665286*	*1.03799893*	*0.82114095*	---	---	---	*0.24372454*
Conc SD	*0.00570312[mg/l]*	*0.01062340[mg/l]*	*0.00849536[mg/l]*	*1301.37000000*	*117920*	*5398.56000000*	*0.00235172[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	57165.00000000	96025.50000000	324458	2883.22000000	286119	2975.53000000	
Int RSD	*2.92285489*	*2.86832144*	*0.17750371*	*0.13117070*	*0.06788889*	*1.41060920*	
Int SD	*1670.85000000*	*2754.32000000*	*575.92500000*	*3.78194000*	*194.24300000*	*41.97310000*	
RelInt Mean	0.32780800	0.53466300	0.32854300	0.00076625	0.28921900	0.00027098	
RelInt RSD	*4.22018377*	*4.57516230*	*0.23000094*	*1.99980685*	*0.13776965*	*19.88596902*	
RelInt SD	*0.01383410*	*0.02446170*	*0.00075565*	*0.00001532*	*0.00039846*	*0.00005389*	
Conc Mean	1.05519000[mg/l]	0.68435200[mg/l]	4.58507000[mg/l]	0.02011080[mg/l]	0.99560000[mg/l]	0.01875840[mg/l]	
Conc RSD	*4.21486178*	*4.58648473*	*0.22996595*	*2.32685920*	*0.13607875*	*19.60337769*	
Conc SD	*0.04447480[mg/l]*	*0.03138770[mg/l]*	*0.01054410[mg/l]*	*0.00046795[mg/l]*	*0.00135480[mg/l]*	*0.00367728[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC1013782,297250			Sample Type: Unknown Sample
Measure Date: 2022-09-20 11:41:57	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	291417	2214.39000000	21705.00000000	88451.90000000	337242	2208.46000000	189266
Int RSD	*0.97370435*	*8.84067396*	*0.36498963*	*0.38183239*	*0.06171029*	*2.14480679*	*0.21163759*
Int SD	*2837.54000000*	*195.76700000*	*79.22100000*	*337.73800000*	*208.11300000*	*47.36720000*	*400.55800000*
RelInt Mean	0.01300280	0.00976271	0.01994570	0.08604110	0.33914300	0.01164370	0.18846200
RelInt RSD	*1.48702587*	*7.20695381*	*0.60871265*	*0.50069908*	*0.21380804*	*5.87321899*	*0.35499199*
RelInt SD	*0.00019336*	*0.00070359*	*0.00012141*	*0.00043081*	*0.00072511*	*0.00068386*	*0.00066902*
Conc Mean	0.49452600[mg/l]	0.57295300[mg/l]	1.00132000[mg/l]	0.92651000[mg/l]	1.04341000[mg/l]	0.80818200[mg/l]	1.02987000[mg/l]
Conc RSD	*1.48947477*	*11.87336483*	*0.60770283*	*0.50487744*	*0.21379994*	*5.76445652*	*0.35395341*
Conc SD	*0.00736584[mg/l]*	*0.06802880[mg/l]*	*0.00608505[mg/l]*	*0.00467774[mg/l]*	*0.00223081[mg/l]*	*0.04658730[mg/l]*	*0.00364526[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	150513	806175	342052	7593.26000000	1487.27000000	1646530	147668
Int RSD	*0.04409094*	*1.32276491*	*0.32912832*	*2.93934358*	*5.09942378*	*0.33324507*	*0.29720522*
Int SD	*66.36260000*	*10663.80000000*	*1125.79000000*	*223.19200000*	*75.84220000*	*5486.98000000*	*438.87700000*
RelInt Mean	0.14911400	0.03882730	0.34331600	0.04037400	0.00443431	1.67255000	0.14781700
RelInt RSD	*0.22644219*	*1.52992096*	*0.53168509*	*3.44347848*	*3.53461982*	*0.58338405*	*0.32759967*
RelInt SD	*0.00033766*	*0.00059403*	*0.00182536*	*0.00139027*	*0.00015674*	*0.00975739*	*0.00048425*
Conc Mean	1.04815000[mg/l]	1.00415000[mg/l]	1.11301000[mg/l]	3.80823000[mg/l]	1.04061000[mg/l]	1.06401000[mg/l]	1.02364000[mg/l]
Conc RSD	*0.22626055*	*1.53966041*	*0.53309404*	*3.42098560*	*2.87613035*	*0.58328305*	*0.32781447*
Conc SD	*0.00237155[mg/l]*	*0.01546050[mg/l]*	*0.00593339[mg/l]*	*0.13027900[mg/l]*	*0.02992930[mg/l]*	*0.00620619[mg/l]*	*0.00335564[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	22900.10000000	127254	38561.80000000	25045.20000000	17246.70000000	2788.51000000	261234
Int RSD	*2.50738206*	*0.21445298*	*0.15112158*	*0.25163385*	*0.69983823*	*0.56231106*	*2.27055437*
Int SD	*574.19300000*	*272.90000000*	*58.27520000*	*63.02220000*	*120.69900000*	*15.68010000*	*5931.46000000*
RelInt Mean	0.09903200	0.12503100	0.03477370	0.02249690	0.01530970	0.00080042	1.37704000
RelInt RSD	*3.03073754*	*0.47897641*	*0.34203148*	*0.59182376*	*0.75000816*	*1.33839065*	*0.48223436*
RelInt SD	*0.00300140*	*0.00059887*	*0.00011894*	*0.00013314*	*0.00011482*	*0.00001071*	*0.00664056*
Conc Mean	0.69918300[mg/l]	1.04821000[mg/l]	1.04867000[mg/l]	0.97489500[mg/l]	0.79459400[mg/l]	0.01455850[mg/l]	1.03602000[mg/l]
Conc RSD	*4.28184038*	*0.47936387*	*0.34231646*	*0.59389575*	*0.75071924*	*1.37311536*	*0.48212583*
Conc SD	*0.02993790[mg/l]*	*0.00502474[mg/l]*	*0.00358977[mg/l]*	*0.00578986[mg/l]*	*0.00596517[mg/l]*	*0.00019991[mg/l]*	*0.00499492[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2405460	18181.30000000	125412	986612	20029300	189856	288858
Int RSD	*1.20913671*	*0.66540896*	*1.57382866*	*0.25572261*	*0.86493287*	*1.79302208*	*0.43829840*
Int SD	*29085.30000000*	*120.98000000*	*1973.77000000*	*2522.99000000*	*173240*	*3404.16000000*	*1266.06000000*
RelInt Mean	0.11846500	0.01623230	0.00594284	---	---	---	0.29139100
RelInt RSD	*1.45088423*	*0.83836548*	*1.78545948*	---	---	---	*0.49258556*
RelInt SD	*0.00171879*	*0.00013609*	*0.00010611*	---	---	---	*0.00143535*
Conc Mean	1.04280000[mg/l]	1.01670000[mg/l]	1.02822000[mg/l]	981170	19982900	189449	0.97406600[mg/l]
Conc RSD	*1.45055619*	*0.83393725*	*1.81089650*	---	---	---	*0.49302614*
Conc SD	*0.01512640[mg/l]*	*0.00847864[mg/l]*	*0.01862000[mg/l]*	*2558.13000000*	*173219*	*3466.43000000*	*0.00480240[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	59367.90000000	92289.70000000	327606	2938.68000000	286682	2974.84000000	
Int RSD	*1.24646484*	*0.43704552*	*0.22093094*	*1.26680006*	*0.11288047*	*0.86720630*	
Int SD	*740.00000000*	*403.34800000*	*723.78300000*	*37.22720000*	*323.60800000*	*25.79800000*	
RelInt Mean	0.31276300	0.47112500	0.32923300	0.00081266	0.28759300	0.00028261	
RelInt RSD	*2.68066555*	*1.68297586*	*0.43847670*	*3.81065882*	*0.20186618*	*8.87414149*	
RelInt SD	*0.00838413*	*0.00792892*	*0.00144361*	*0.00003097*	*0.00058055*	*0.00002508*	
Conc Mean	1.00683000[mg/l]	0.60282300[mg/l]	4.59488000[mg/l]	0.02152800[mg/l]	0.99002000[mg/l]	0.01955210[mg/l]	
Conc RSD	*2.67681734*	*1.68769274*	*0.44013989*	*4.39278149*	*0.20054140*	*8.75302397*	
Conc SD	*0.02695100[mg/l]*	*0.01017380[mg/l]*	*0.02022390[mg/l]*	*0.00094568[mg/l]*	*0.00198540[mg/l]*	*0.00171140[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 469273 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482379303042.1
File : met06_master
IDF : 1.0
Lab ID : QC1013792
Matrix : Wipe
Batch : 297255
Time : 20-SEP-2022 12:00
Cal : 482379303001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482379303043.1
File : met06_master
IDF : 1.0
Lab ID : QC1013793
Matrix : Wipe
Batch : 297255
Time : 20-SEP-2022 12:03
Cal : 482379303001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.049	104.9	A	105	1.048	104.8	A	105	80-120	0	20	!<a- u

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	959140	996759	3.92

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	959140	1000680	4.33

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC1013792,297255			Sample Type: Unknown Sample
Measure Date: 2022-09-20 12:00:09	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	293521	2757.38000000	22065.70000000	88958.80000000	339260	3316.14000000	190376
Int RSD	*0.66479059*	*3.61585998*	*0.53947076*	*0.06343150*	*0.39590874*	*6.29484883*	*0.51267859*
Int SD	*1951.30000000*	*99.70300000*	*119.03800000*	*56.42790000*	*1343.16000000*	*208.74600000*	*976.01700000*
RelInt Mean	0.01296840	0.01024280	0.02003850	0.08553430	0.33760100	0.01508210	0.18753300
RelInt RSD	*0.76078005*	*6.70954231*	*0.66073309*	*0.58675759*	*0.25288965*	*6.35991009*	*0.21227037*
RelInt SD	*0.00009866*	*0.00068724*	*0.00013240*	*0.00050188*	*0.00085376*	*0.00095921*	*0.00039808*
Conc Mean	0.49321400[mg/l]	0.61937000[mg/l]	1.00597000[mg/l]	0.92100700[mg/l]	1.03867000[mg/l]	1.04241000[mg/l]	1.02480000[mg/l]
Conc RSD	*0.76200594*	*10.72796551*	*0.65958130*	*0.59170017*	*0.25258070*	*6.26856995*	*0.21235461*
Conc SD	*0.00375832[mg/l]*	*0.06644580[mg/l]*	*0.00663519[mg/l]*	*0.00544960[mg/l]*	*0.00262348[mg/l]*	*0.06534420[mg/l]*	*0.00217621[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	151951	805607	341424	6698.26000000	1695.11000000	1658970	148259
Int RSD	*0.48785464*	*1.04074816*	*0.55761751*	*3.67550677*	*2.22606203*	*0.55978408*	*0.41512758*
Int SD	*741.30000000*	*8384.34000000*	*1903.84000000*	*246.19500000*	*37.73420000*	*9286.65000000*	*615.46400000*
RelInt Mean	0.14891800	0.03847520	0.33901200	0.03129080	0.00371368	1.66811000	0.14682100
RelInt RSD	*0.30049356*	*0.60871418*	*0.09424121*	*2.87901875*	*2.49602281*	*0.19671844*	*0.35151443*
RelInt SD	*0.00044749*	*0.00023420*	*0.00031949*	*0.00090087*	*0.00009269*	*0.00328148*	*0.00051610*
Conc Mean	1.04677000[mg/l]	0.99499000[mg/l]	1.09902000[mg/l]	2.95708000[mg/l]	0.90299300[mg/l]	1.06119000[mg/l]	1.01674000[mg/l]
Conc RSD	*0.30065344*	*0.61288254*	*0.09456516*	*2.85475537*	*1.96015916*	*0.19688557*	*0.35135433*
Conc SD	*0.00314715[mg/l]*	*0.00609812[mg/l]*	*0.00103929[mg/l]*	*0.08441740[mg/l]*	*0.01770010[mg/l]*	*0.00208933[mg/l]*	*0.00357236[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	23459.30000000	127485	39090.20000000	24955.00000000	17300.70000000	2851.40000000	297534
Int RSD	*1.12742494*	*0.64179394*	*0.67495689*	*0.70349028*	*0.43530088*	*0.74674195*	*0.97649008*
Int SD	*264.48600000*	*818.19100000*	*263.84200000*	*175.55600000*	*75.31010000*	*21.29260000*	*2905.39000000*
RelInt Mean	0.08614640	0.12386600	0.03477420	0.02205130	0.01512530	0.00077436	1.37975000
RelInt RSD	*1.38565280*	*0.27039462*	*0.20686831*	*0.58593824*	*0.71753949*	*5.79087381*	*0.33908607*
RelInt SD	*0.00119369*	*0.00033493*	*0.00007194*	*0.00012921*	*0.00010853*	*0.00004484*	*0.00467854*
Conc Mean	0.57065200[mg/l]	1.03843000[mg/l]	1.04868000[mg/l]	0.95548300[mg/l]	0.78501800[mg/l]	0.01407220[mg/l]	1.03805000[mg/l]
Conc RSD	*2.08654311*	*0.27079630*	*0.20789183*	*0.59059240*	*0.71840136*	*5.94661815*	*0.33884688*
Conc SD	*0.01190690[mg/l]*	*0.00281203[mg/l]*	*0.00218012[mg/l]*	*0.00564301[mg/l]*	*0.00563958[mg/l]*	*0.00083682[mg/l]*	*0.00351740[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2395830	18244.60000000	126083	996759	20174800	215811	287418
Int RSD	*1.05550477*	*0.18989838*	*1.12099966*	*0.60754706*	*1.42740448*	*0.90428662*	*0.57971317*
Int SD	*25288.10000000*	*34.64620000*	*1413.39000000*	*6055.78000000*	*287976*	*1951.55000000*	*1666.20000000*
RelInt Mean	0.11708300	0.01605030	0.00592393	---	---	---	0.28689100
RelInt RSD	*0.46280929*	*0.54677856*	*0.46744982*	---	---	---	*0.21351628*
RelInt SD	*0.00054187*	*0.00008776*	*0.00002769*	---	---	---	*0.00061256*
Conc Mean	1.03063000[mg/l]	1.00535000[mg/l]	1.02490000[mg/l]	991103	20127100	215287	0.95900700[mg/l]
Conc RSD	*0.46198442*	*0.54592331*	*0.47464240*	---	---	---	*0.21365016*
Conc SD	*0.00476135[mg/l]*	*0.00548844[mg/l]*	*0.00486461[mg/l]*	*5978.11000000*	*287752*	*1959.82000000*	*0.00204892[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	70641.70000000	77488.60000000	335584	3042.12000000	288309	3026.73000000	
Int RSD	*1.88466586*	*2.16400864*	*0.75541146*	*2.74030282*	*0.40709794*	*1.10750876*	
Int SD	*1331.36000000*	*1676.86000000*	*2535.04000000*	*83.36330000*	*1173.70000000*	*33.52130000*	
RelInt Mean	0.32741400	0.34308900	0.33382200	0.00083948	0.28623100	0.00025144	
RelInt RSD	*2.41799373*	*1.59535572*	*0.20549874*	*9.43521258*	*0.21367427*	*11.79557341*	
RelInt SD	*0.00791685*	*0.00547349*	*0.00068600*	*0.00007921*	*0.00061160*	*0.00002966*	
Conc Mean	1.05393000[mg/l]	0.43853300[mg/l]	4.65954000[mg/l]	0.02234710[mg/l]	0.98529400[mg/l]	0.01742470[mg/l]	
Conc RSD	*2.41474291*	*1.60136181*	*0.20753744*	*10.82404428*	*0.21231835*	*11.61494889*	
Conc SD	*0.02544970[mg/l]*	*0.00702250[mg/l]*	*0.00967029[mg/l]*	*0.00241886[mg/l]*	*0.00209196[mg/l]*	*0.00202387[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC1013793,297255			Sample Type: Unknown Sample
Measure Date: 2022-09-20 12:03:25	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	293881	2780.28000000	21985.70000000	89084.70000000	340337	3106.24000000	190566
Int RSD	*0.88884617*	*1.69191592*	*0.47042851*	*0.50392604*	*0.63030173*	*3.85015324*	*0.51482006*
Int SD	*2612.15000000*	*47.04000000*	*103.42700000*	*448.92100000*	*2145.15000000*	*119.59500000*	*981.07200000*
RelInt Mean	0.01302040	0.01060740	0.01987150	0.08528790	0.33728500	0.01407740	0.18694700
RelInt RSD	*0.32652223*	*2.30651243*	*0.15212893*	*0.22371403*	*0.24241784*	*3.27222356*	*0.13028024*
RelInt SD	*0.00004251*	*0.00024466*	*0.00003023*	*0.00019080*	*0.00081764*	*0.00046064*	*0.00024356*
Conc Mean	0.49519600[mg/l]	0.65462400[mg/l]	0.99760100[mg/l]	0.91833200[mg/l]	1.03771000[mg/l]	0.97397300[mg/l]	1.02158000[mg/l]
Conc RSD	*0.32692106*	*3.61413575*	*0.15147539*	*0.22561557*	*0.24285590*	*3.22219404*	*0.13018070*
Conc SD	*0.00161890[mg/l]*	*0.02365900[mg/l]*	*0.00151112[mg/l]*	*0.00207190[mg/l]*	*0.00252014[mg/l]*	*0.03138330[mg/l]*	*0.00132990[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	151989	806255	338581	7113.40000000	1887.07000000	1652810	148506
Int RSD	*0.64357684*	*1.53721837*	*0.48690269*	*1.40550370*	*6.07333061*	*0.17462443*	*0.48444305*
Int SD	*978.16600000*	*12393.90000000*	*1648.56000000*	*99.97910000*	*114.60800000*	*2886.21000000*	*719.42700000*
RelInt Mean	0.14832000	0.03865060	0.33481200	0.03313400	0.00465992	1.65535000	0.14647700
RelInt RSD	*0.29248517*	*0.88340155*	*0.10946352*	*0.32351965*	*12.36469725*	*0.54477603*	*0.12551117*
RelInt SD	*0.00043381*	*0.00034144*	*0.00036650*	*0.00010720*	*0.00057619*	*0.00901795*	*0.00018385*
Conc Mean	1.04257000[mg/l]	0.99955400[mg/l]	1.08536000[mg/l]	3.12980000[mg/l]	1.08368000[mg/l]	1.05307000[mg/l]	1.01436000[mg/l]
Conc RSD	*0.29266812*	*0.88909854*	*0.10977648*	*0.32093424*	*10.15272036*	*0.54496092*	*0.12545546*
Conc SD	*0.00305127[mg/l]*	*0.00888702[mg/l]*	*0.00119147[mg/l]*	*0.01004460[mg/l]*	*0.11002300[mg/l]*	*0.00573882[mg/l]*	*0.00127257[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	23344.50000000	127979	39179.70000000	25123.00000000	17452.40000000	2885.81000000	295864
Int RSD	*1.38950502*	*0.46955594*	*0.77821168*	*0.33903077*	*0.68047375*	*0.24811162*	*1.36514074*
Int SD	*324.37300000*	*600.93300000*	*304.90100000*	*85.17470000*	*118.75900000*	*7.16003000*	*4038.96000000*
RelInt Mean	0.08583090	0.12380100	0.03473630	0.02212420	0.01521180	0.00080017	1.37048000
RelInt RSD	*0.80997869*	*0.39727143*	*0.71685528*	*0.12708753*	*0.44932684*	*1.07077156*	*0.17319698*
RelInt SD	*0.00069521*	*0.00049183*	*0.00024901*	*0.00002812*	*0.00006835*	*0.00000857*	*0.00237363*
Conc Mean	0.56750500[mg/l]	1.03789000[mg/l]	1.04753000[mg/l]	0.95868500[mg/l]	0.78951300[mg/l]	0.01455370[mg/l]	1.03108000[mg/l]
Conc RSD	*1.22187822*	*0.39788995*	*0.71682911*	*0.12772496*	*0.44980260*	*1.09872404*	*0.17265586*
Conc SD	*0.00693422[mg/l]*	*0.00412966[mg/l]*	*0.00750900[mg/l]*	*0.00122448[mg/l]*	*0.00355125[mg/l]*	*0.00015991[mg/l]*	*0.00178022[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2407830	18216.10000000	126689	1000680	20087100	216118	287717
Int RSD	*1.35992574*	*0.55398247*	*1.79320225*	*0.39391814*	*0.72565975*	*1.23156331*	*0.59950924*
Int SD	*32744.70000000*	*100.91400000*	*2271.79000000*	*3941.86000000*	*145764*	*2661.63000000*	*1724.89000000*
RelInt Mean	0.11816200	0.01593190	0.00596936	---	---	---	0.28605200
RelInt RSD	*0.74063658*	*0.32700243*	*1.27483516*	---	---	---	*0.46559716*
RelInt SD	*0.00087515*	*0.00005210*	*0.00007610*	---	---	---	*0.00133185*
Conc Mean	1.04013000[mg/l]	0.99791700[mg/l]	1.03288000[mg/l]	995030	20038900	215553	0.95620200[mg/l]
Conc RSD	*0.74068049*	*0.32825175*	*1.29323832*	---	---	---	*0.46622680*
Conc SD	*0.00770404[mg/l]*	*0.00327568[mg/l]*	*0.01335760[mg/l]*	*3925.79000000*	*145564*	*2634.33000000*	*0.00445807[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	68306.30000000	80934.90000000	336226	3179.15000000	289209	3043.23000000	
Int RSD	*1.79475392*	*1.55711566*	*0.24020926*	*3.41877546*	*0.56798716*	*1.81784814*	
Int SD	*1225.93000000*	*1260.25000000*	*807.64600000*	*108.68800000*	*1642.67000000*	*55.32130000*	
RelInt Mean	0.31625500	0.35894000	0.33314600	0.00094818	0.28594100	0.00025483	
RelInt RSD	*0.66580133*	*2.61343679*	*0.20149934*	*9.51039887*	*0.17719634*	*22.01208625*	
RelInt SD	*0.00210563*	*0.00938067*	*0.00067129*	*0.00009018*	*0.00050668*	*0.00005609*	
Conc Mean	1.01806000[mg/l]	0.45887200[mg/l]	4.65009000[mg/l]	0.02566660[mg/l]	0.98432300[mg/l]	0.01765670[mg/l]	
Conc RSD	*0.66503153*	*2.62317160*	*0.20341499*	*10.72919670*	*0.17733508*	*21.67958905*	
Conc SD	*0.00677042[mg/l]*	*0.01203700[mg/l]*	*0.00945898[mg/l]*	*0.00275382[mg/l]*	*0.00174555[mg/l]*	*0.00382790[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 469273 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482379303001	Date:	20-SEP-2022 09:50
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482379303004	L1	20-SEP-2022 09:53	S17110, S13369 (100X)
L2	met06_master	482379303005	L2	20-SEP-2022 09:57	S17109, S13369 (100X)
L3	met06_master	482379303006	L3	20-SEP-2022 10:00	S17108, S13369 (100X)
L4	met06_master	482379303007	L4	20-SEP-2022 10:03	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0283	0.0364	0.0350	0.0332	WB1K	6.75E-4	30.1421		0.0332	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	5	0.1000	11	1.0000	6	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482379303001 Cal Date : 20-SEP-2022

ICV 482379303012 (20-SEP-2022) stds: S17211, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.018	mg/l	2	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-09-20 09:50:40	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	29319.40000000	833.26900000	1882.76000000	4399.78000000	4182.08000000	24.14980000	3914.56000000
Int RSD	*1.51227174*	*4.03259932*	*0.97070790*	*0.87567787*	*1.57151465*	*234.81850781*	*0.89576862*
Int SD	*443.38900000*	*33.60240000*	*18.27610000*	*38.52790000*	*65.72200000*	*56.70820000*	*35.06540000*
RelInt Mean	0.00002270	0.00384256	-0.00005248	0.00070831	0.00011605	-0.00022790	0.00004175
RelInt RSD	*40.62598857*	*2.35336078*	*68.26817729*	*5.79180467*	*40.61346891*	*127.22442102*	*67.58043037*
RelInt SD	*0.00000922*	*0.00009043*	*0.00003583*	*0.00004102*	*0.00004713*	*0.00028995*	*0.00002822*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3786.07000000	31326.90000000	5715.68000000	-68.95820000	364.40600000	4771.01000000	2317.26000000
Int RSD	*0.32374732*	*1.34365354*	*1.30900960*	*40.66318436*	*6.96835398*	*0.38069507*	*0.76700068*
Int SD	*12.25730000*	*420.92500000*	*74.81880000*	*28.04060000*	*25.39310000*	*18.16300000*	*17.77340000*
RelInt Mean	0.00006133	0.00024661	0.00093783	-0.00026644	-0.00101931	-0.00007210	-0.00002053
RelInt RSD	*42.75721278*	*1.21112346*	*9.98272608*	*70.13489067*	*22.42036279*	*18.69690586*	*67.89804139*
RelInt SD	*0.00002622*	*0.00000299*	*0.00009362*	*0.00018687*	*0.00022853*	*0.00001348*	*0.00001394*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	8096.23000000	4343.80000000	4052.68000000	2721.21000000	2027.30000000	1856.30000000	126.36600000
Int RSD	*3.11390610*	*0.68904646*	*0.14791743*	*1.16391238*	*0.92691758*	*1.84459947*	*31.24448032*
Int SD	*252.10900000*	*29.93080000*	*5.99462000*	*31.67250000*	*18.79140000*	*34.24130000*	*39.48240000*
RelInt Mean	0.02942450	0.00017919	-0.00002442	-0.00001599	0.00001197	0.00001855	-0.00079851
RelInt RSD	*1.81095006*	*8.74894667*	*139.15918424*	*275.27806624*	*336.84258903*	*174.18403386*	*25.44301483*
RelInt SD	*0.00053286*	*0.00001568*	*0.00003399*	*0.00004400*	*0.00004031*	*0.00003230*	*0.00020316*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	32400.40000000	1790.06000000	7459.85000000	959140	19716600	157179	2753.09000000
Int RSD	*1.27485155*	*0.84788778*	*1.51980268*	*0.28368538*	*0.61374172*	*1.54436025*	*1.31995322*
Int SD	*413.05700000*	*15.17770000*	*113.37500000*	*2720.94000000*	*121009*	*2427.41000000*	*36.33950000*
RelInt Mean	-0.00001094	-0.00009079	0.00008201	---	---	---	0.00019770
RelInt RSD	*66.04013598*	*21.51104835*	*6.64439228*	---	---	---	*19.48589811*
RelInt SD	*0.00000723*	*0.00001953*	*0.00000545*	---	---	---	*0.00003852*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	56.91770000	2191.58000000	4600.85000000	2165.70000000	3936.39000000	2656.27000000	
Int RSD	*115.80106013*	*7.82782285*	*0.65954335*	*2.11171907*	*0.80067270*	*0.94069880*	
Int SD	*65.91130000*	*171.55300000*	*30.34460000*	*45.73350000*	*31.51760000*	*24.98750000*	
RelInt Mean	-0.00042752	0.00135001	0.00068056	0.00010772	0.00007003	-0.00000391	
RelInt RSD	*85.80574385*	*27.12757683*	*2.86449816*	*40.71957073*	*62.12378260*	*226.01760359*	
RelInt SD	*0.00036684*	*0.00036623*	*0.00001949*	*0.00004386*	*0.00004350*	*0.00000884*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S17110			Sample Type: Calibration Sample
Measure Date: 2022-09-20 09:53:56	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	29397.70000000	756.58900000	1979.32000000	4756.05000000	5340.30000000	148.29500000	4201.97000000
Int RSD	*0.75571218*	*7.39052511*	*2.02483176*	*0.46246360*	*0.23308428*	*31.27124987*	*1.05343446*
Int SD	*222.16200000*	*55.91590000*	*40.07790000*	*21.99500000*	*12.44740000*	*46.37370000*	*44.26500000*
RelInt Mean	0.00003172	0.00319198	0.00001913	0.00107071	0.00130941	0.00073808	0.00030111
RelInt RSD	*12.54531696*	*4.53073014*	*219.96414066*	*2.07924648*	*2.53734125*	*66.66924090*	*8.54699492*
RelInt SD	*0.00000398*	*0.00014462*	*0.00004208*	*0.00002226*	*0.00003322*	*0.00049208*	*0.00002574*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4304.14000000	33909.10000000	7874.32000000	-59.87920000	405.49900000	10279.30000000	2849.28000000
Int RSD	*0.76546999*	*1.16948843*	*0.46160557*	*305.99607209*	*51.78557777*	*0.23317541*	*1.48035644*
Int SD	*32.94690000*	*396.56300000*	*36.34830000*	*183.22800000*	*209.99000000*	*23.96880000*	*42.17950000*
RelInt Mean	0.00059924	0.00037784	0.00318814	0.00012450	-0.00063149	0.00566286	0.00052382
RelInt RSD	*5.14850477*	*3.09613542*	*0.26009805*	*572.22927276*	*158.30943494*	*0.43570563*	*8.20743083*
RelInt SD	*0.00003085*	*0.00001170*	*0.00000829*	*0.00071241*	*0.00099971*	*0.00002467*	*0.00004299*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	14346.30000000	4818.01000000	4204.65000000	2985.17000000	2231.64000000	2022.59000000	3112.78000000
Int RSD	*2.35861511*	*0.49331778*	*0.60217141*	*1.25348305*	*0.49996415*	*1.17460780*	*10.12413341*
Int SD	*338.37400000*	*23.76810000*	*25.31920000*	*37.41860000*	*11.15740000*	*23.75750000*	*315.14200000*
RelInt Mean	0.07138830	0.00064242	0.00009423	0.00025325	0.00021460	0.00018543	0.01897660
RelInt RSD	*2.93866082*	*3.53166703*	*36.21468525*	*16.50236521*	*9.01566162*	*11.91074558*	*8.74972334*
RelInt SD	*0.00209786*	*0.00002269*	*0.00003413*	*0.00004179*	*0.00001935*	*0.00002209*	*0.00166040*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	40360.60000000	1967.74000000	7780.54000000	961936	19587400	153660	5833.64000000
Int RSD	*1.59188169*	*1.78877799*	*1.95174114*	*0.24968293*	*0.66331417*	*2.15135364*	*0.62907207*
Int SD	*642.49300000*	*35.19850000*	*151.85600000*	*2401.79000000*	*129926*	*3305.77000000*	*36.69780000*
RelInt Mean	0.00039423	0.00008088	0.00009241	---	---	---	0.00342364
RelInt RSD	*5.62287085*	*35.14519051*	*9.69588592*	---	---	---	*1.72676742*
RelInt SD	*0.00002217*	*0.00002842*	*0.00000896*	---	---	---	*0.00005912*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-42.47640000	2457.81000000	11145.20000000	34981.10000000	4464.65000000	17287.00000000	
Int RSD	*212.02597207*	*5.54998149*	*0.83946901*	*0.24165535*	*0.76789894*	*0.82746573*	
Int SD	*90.06100000*	*136.40800000*	*93.56050000*	*84.53370000*	*34.28400000*	*143.04400000*	
RelInt Mean	-0.00120269	0.00357470	0.00752974	0.03432870	0.00060623	0.01526750	
RelInt RSD	*66.88689521*	*7.24287353*	*1.19515415*	*0.46830203*	*0.43130637*	*0.82761421*	
RelInt SD	*0.00080444*	*0.00025891*	*0.00008999*	*0.00016076*	*0.00000261*	*0.00012636*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S17109			Sample Type: Calibration Sample
Measure Date: 2022-09-20 09:57:13	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	29049.30000000	902.12600000	3958.74000000	12919.90000000	36907.10000000	75.49030000	12865.30000000
Int RSD	*1.05525090*	*13.18563039*	*0.21593840*	*0.85134560*	*0.37762653*	*30.82144328*	*1.12189378*
Int SD	*306.54300000*	*118.95100000*	*8.54844000*	*109.99300000*	*139.37100000*	*23.26720000*	*144.33500000*
RelInt Mean	0.00001730	0.00446281	0.00210915	0.00961243	0.03428730	-0.00021446	0.00936436
RelInt RSD	*101.10037450*	*9.71757704*	*0.98649693*	*1.52730371*	*0.66196230*	*187.30590967*	*1.41502463*
RelInt SD	*0.00001749*	*0.00043368*	*0.00002081*	*0.00014681*	*0.00022697*	*0.00040170*	*0.00013251*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	18469.50000000	105298	68635.60000000	-130.22300000	431.65800000	166976	16068.90000000
Int RSD	*0.99664853*	*0.33821630*	*0.06802082*	*48.94273669*	*12.96227569*	*0.07700388*	*0.96756467*
Int SD	*184.07600000*	*356.13500000*	*46.68650000*	*63.73470000*	*55.95270000*	*128.57800000*	*155.47700000*
RelInt Mean	0.01541490	0.00399813	0.06665670	-0.00031692	-0.00015549	0.16930400	0.01433210
RelInt RSD	*1.35003146*	*0.42824020*	*0.35159706*	*80.16180791*	*346.80326973*	*0.24986947*	*1.32303012*
RelInt SD	*0.00020811*	*0.00001712*	*0.00023436*	*0.00025405*	*0.00053923*	*0.00042304*	*0.00018962*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	7994.20000000	16290.00000000	7556.33000000	9733.17000000	7760.38000000	7390.68000000	99431.50000000
Int RSD	*2.00494108*	*0.55506262*	*0.28543221*	*0.16057256*	*0.23280174*	*0.93772698*	*3.75385064*
Int SD	*160.27900000*	*90.41970000*	*21.56820000*	*15.62880000*	*18.06630000*	*69.30440000*	*3732.51000000*
RelInt Mean	0.03272010	0.01264350	0.00364467	0.00730002	0.00601540	0.00579564	0.68795700
RelInt RSD	*9.14505151*	*0.66141337*	*0.13090266*	*0.36414695*	*0.29530538*	*0.62779607*	*3.66316499*
RelInt SD	*0.00299227*	*0.00008363*	*0.00000477*	*0.00002658*	*0.00001776*	*0.00003638*	*0.02520100*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	259676	6728.08000000	13254.40000000	962695	19770900	144554	90772.60000000
Int RSD	*0.34986676*	*0.53628524*	*1.11664806*	*0.26790832*	*1.15243110*	*7.02235843*	*0.26068439*
Int SD	*908.52000000*	*36.08170000*	*148.00500000*	*2579.14000000*	*227846*	*10151.10000000*	*236.63000000*
RelInt Mean	0.01150830	0.00505000	0.00036934	---	---	---	0.09207950
RelInt RSD	*0.62267059*	*0.91459010*	*2.89423595*	---	---	---	*0.51338680*
RelInt SD	*0.00007166*	*0.00004619*	*0.00001069*	---	---	---	*0.00047272*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	1034.64000000	12826.80000000	4682.50000000	2249.23000000	18844.90000000	2719.37000000	
Int RSD	*23.00964587*	*2.05263199*	*1.30953123*	*0.78739835*	*1.26258033*	*1.03978863*	
Int SD	*238.06700000*	*263.28700000*	*61.31880000*	*17.71040000*	*237.93200000*	*28.27570000*	
RelInt Mean	0.00624790	0.07581450	0.00078580	0.00017345	0.01562920	0.00007562	
RelInt RSD	*21.11461451*	*7.41007327*	*8.81335916*	*4.75306571*	*1.48578302*	*89.47108111*	
RelInt SD	*0.00131922*	*0.00561791*	*0.00006926*	*0.00000824*	*0.00023222*	*0.00006766*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S17108			Sample Type: Calibration Sample
Measure Date: 2022-09-20 10:00:31	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28999.80000000	2924.41000000	21485.60000000	92205.70000000	320000	35.46660000	93916.50000000
Int RSD	*0.53492093*	*2.92185090*	*0.55635402*	*0.03472605*	*0.41755000*	*142.96408452*	*0.53801196*
Int SD	*155.12600000*	*85.44690000*	*119.53600000*	*32.01940000*	*1336.16000000*	*50.70450000*	*505.28200000*
RelInt Mean	0.00001419	0.01982970	0.02052720	0.09318050	0.33261400	0.00005999	0.09470120
RelInt RSD	*26.76262947*	*1.61002940*	*0.64839822*	*0.23254436*	*0.20380862*	*861.78280345*	*0.49458191*
RelInt SD	*0.00000380*	*0.00031926*	*0.00013310*	*0.00021669*	*0.00067790*	*0.00051694*	*0.00046837*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	142602	773712	614566	-144.82100000	360.68400000	1589150	138411
Int RSD	*0.23598617*	*0.52024784*	*0.31353833*	*29.55531311*	*2.17862173*	*0.92363842*	*1.45983339*
Int SD	*336.52100000*	*4025.22000000*	*1926.90000000*	*42.80230000*	*7.85794000*	*14678.00000000*	*2020.57000000*
RelInt Mean	0.14612200	0.03828670	0.64200800	-0.00057345	-0.00052037	1.66811000	0.14316700
RelInt RSD	*0.04101025*	*0.92184492*	*0.09589008*	*13.13890812*	*51.83012954*	*1.05836546*	*1.69035462*
RelInt SD	*0.00005993*	*0.00035294*	*0.00061562*	*0.00007535*	*0.00026971*	*0.01765470*	*0.00242003*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	7667.56000000	122014	37407.50000000	69718.90000000	56865.50000000	54192.60000000	904961
Int RSD	*3.49840106*	*0.62821889*	*0.08835207*	*0.22230701*	*0.43569827*	*0.28728277*	*3.53800882*
Int SD	*268.24200000*	*766.51500000*	*33.05030000*	*154.99000000*	*247.76200000*	*155.68600000*	*32017.60000000*
RelInt Mean	0.03436600	0.12393800	0.03501420	0.07038760	0.05774430	0.05505620	6.64637000
RelInt RSD	*3.25135308*	*0.46568930*	*0.12742687*	*0.22753297*	*0.40231850*	*0.50306777*	*2.47107820*
RelInt SD	*0.00111736*	*0.00057717*	*0.00004462*	*0.00016015*	*0.00023232*	*0.00027697*	*0.16423700*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2261080	49316.50000000	64258.10000000	954649	19504500	136300	854071
Int RSD	*0.72503405*	*0.19512273*	*0.71003967*	*0.22569447*	*0.62052347*	*1.75139398*	*0.56925478*
Int SD	*16393.60000000*	*96.22770000*	*456.25800000*	*2154.59000000*	*121030*	*2387.15000000*	*4861.84000000*
RelInt Mean	0.11435600	0.04980200	0.00299364	---	---	---	0.89631400
RelInt RSD	*1.04327713*	*0.03966347*	*1.27164923*	---	---	---	*0.35600917*
RelInt SD	*0.00119305*	*0.00001975*	*0.00003807*	---	---	---	*0.00319096*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	20341.20000000	105745	5852.27000000	2518.22000000	144360	2808.09000000	
Int RSD	*2.93418284*	*0.91738616*	*0.98953568*	*0.09464662*	*0.50381200*	*0.16226189*	
Int SD	*596.84800000*	*970.09000000*	*57.91030000*	*2.38341000*	*727.30300000*	*4.55646000*	
RelInt Mean	0.14845200	0.75968100	0.00204103	0.00040783	0.14775900	0.00011886	
RelInt RSD	*2.26675963*	*1.45010866*	*3.04476171*	*5.55755801*	*0.31822765*	*11.29383456*	
RelInt SD	*0.00336505*	*0.01101620*	*0.00006214*	*0.00002267*	*0.00047021*	*0.00001342*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S17107			Sample Type: Calibration Sample
Measure Date: 2022-09-20 10:03:48	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	33674.30000000	30914.10000000	191831	878394	3074390	53.42300000	870949
Int RSD	*0.71061017*	*1.76147454*	*0.14940755*	*0.13382377*	*0.44668373*	*158.44654924*	*0.15569224*
Int SD	*239.29300000*	*544.54400000*	*286.61000000*	*1175.50000000*	*13732.80000000*	*84.64690000*	*1356.00000000*
RelInt Mean	-0.00002699	0.21105900	0.19940900	0.92168800	3.23669000	-0.00006062	0.91287200
RelInt RSD	*21.89460812*	*1.19306450*	*0.14448997*	*0.27488478*	*0.66746584*	*797.89666436*	*0.07416856*
RelInt SD	*0.00000591*	*0.00251807*	*0.00028813*	*0.00253358*	*0.02160380*	*0.00048367*	*0.00067706*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	1354170	7473890	5837730	-109.57500000	374.55500000	14902300	1373230
Int RSD	*0.69123522*	*0.58896104*	*0.45885130*	*38.74569929*	*16.36165583*	*0.14665857*	*0.13968745*
Int SD	*9360.50000000*	*44018.30000000*	*26786.50000000*	*42.45560000*	*61.28340000*	*21855.50000000*	*1918.23000000*
RelInt Mean	1.42167000	0.38450000	6.15003000	-0.00035062	-0.00082522	15.70870000	1.44434000
RelInt RSD	*0.89770481*	*0.58286346*	*0.67444224*	*30.63373453*	*86.21164347*	*0.36495573*	*0.31350998*
RelInt SD	*0.01276240*	*0.00224111*	*0.04147840*	*0.00010741*	*0.00071143*	*0.05732980*	*0.00452815*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	7843.20000000	1135180	319669	656981	2738.22000000	510739	8518740
Int RSD	*3.47420696*	*0.55630032*	*0.18409417*	*0.03896658*	*0.41242121*	*0.09222440*	*1.74211210*
Int SD	*272.48900000*	*6315.01000000*	*588.49200000*	*256.00300000*	*11.29300000*	*471.02600000*	*148406*
RelInt Mean	0.03245810	1.19074000	0.33155000	0.68818100	0.00004417	0.53575100	58.74570000
RelInt RSD	*4.60485980*	*0.77999731*	*0.10563475*	*0.22940622*	*90.25429485*	*0.19372432*	*2.76149574*
RelInt SD	*0.00149465*	*0.00928774*	*0.00035023*	*0.00157873*	*0.00003986*	*0.00103788*	*1.62226000*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	21999800	457336	559505	953916	19348900	145272	8060220
Int RSD	*1.22488841*	*0.23838491*	*0.43276646*	*0.20751932*	*0.97010683*	*2.70747976*	*0.41972428*
Int SD	*269473*	*1090.22000000*	*2421.35000000*	*1979.56000000*	*187705*	*3933.21000000*	*33830.70000000*
RelInt Mean	1.13604000	0.47875600	0.02856420	---	---	---	8.49431000
RelInt RSD	*0.65304655*	*0.09325836*	*0.97329524*	---	---	---	*0.63310498*
RelInt SD	*0.00741887*	*0.00044648*	*0.00027801*	---	---	---	*0.05377790*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	225829	1141750	18698.80000000	5735.87000000	1378320	4445.03000000	
Int RSD	*2.74326149*	*1.03956208*	*0.44049618*	*1.16294651*	*0.50497998*	*0.64594615*	
Int SD	*6195.08000000*	*11869.20000000*	*82.36750000*	*66.70510000*	*6960.24000000*	*28.71250000*	
RelInt Mean	1.55558000	7.79669000	0.01510970	0.00306085	1.44652000	0.00118384	
RelInt RSD	*0.67028375*	*2.54316896*	*0.69166165*	*2.01070291*	*0.71936786*	*1.68633430*	
RelInt SD	*0.01042680*	*0.19828300*	*0.00010451*	*0.00006154*	*0.01040580*	*0.00001996*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S16645			Sample Type: Calibration Sample
Measure Date: 2022-09-20 10:07:05	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1066360	674.15100000	1908.27000000	6411.67000000	4230.64000000	93.13990000	3892.60000000
Int RSD	*1.34369256*	*12.76442518*	*1.61563091*	*2.20438669*	*1.17960640*	*150.33514101*	*0.43629194*
Int SD	*14328.60000000*	*86.05150000*	*30.83060000*	*141.33800000*	*49.90490000*	*140.02200000*	*16.98310000*
RelInt Mean	0.05251790	0.00266286	-0.00003907	0.00284212	0.00019021	0.00045690	0.00003911
RelInt RSD	*0.98638940*	*42.75703567*	*97.32029272*	*4.81717873*	*28.93601249*	*159.40538151*	*47.05058047*
RelInt SD	*0.00051803*	*0.00113856*	*0.00003802*	*0.00013691*	*0.00005504*	*0.00072832*	*0.00001840*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3833.14000000	33855.20000000	7542.47000000	-180.31800000	344.12300000	5122.09000000	4638.59000000
Int RSD	*1.58557997*	*5.81343486*	*15.23546000*	*1.01624353*	*21.46433107*	*2.25659838*	*18.96509500*
Int SD	*60.77750000*	*1968.15000000*	*1149.13000000*	*1.83247000*	*73.86370000*	*115.58500000*	*879.71300000*
RelInt Mean	0.00015397	0.00039038	0.00289378	-0.00093870	-0.00115297	0.00035234	0.00241882
RelInt RSD	*44.33301509*	*29.03789356*	*41.92198439*	*14.61839286*	*36.50580674*	*37.28922758*	*38.04053216*
RelInt SD	*0.00006826*	*0.00011336*	*0.00121313*	*0.00013722*	*0.00042090*	*0.00013138*	*0.00092013*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	7538.44000000	4362.03000000	4031.17000000	3012.26000000	1991.45000000	2329.66000000	212.01000000
Int RSD	*3.07251898*	*0.78850673*	*1.23099993*	*2.84349957*	*2.03059580*	*9.08501670*	*26.87981699*
Int SD	*231.62000000*	*34.39490000*	*49.62370000*	*85.65360000*	*40.43830000*	*211.65000000*	*56.98790000*
RelInt Mean	0.02862580	0.00020965	-0.00002662	0.00029674	-0.00001425	0.00052019	-0.00021301
RelInt RSD	*6.75722600*	*21.39550192*	*134.88743444*	*31.22516378*	*240.79182900*	*43.11938422*	*46.53870891*
RelInt SD	*0.00193431*	*0.00004485*	*0.00003590*	*0.00009266*	*0.00003430*	*0.00022430*	*0.00009913*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	64128.10000000	2461.35000000	7837.92000000	959040	19762700	148773	3022.49000000
Int RSD	*13.09291870*	*18.83299815*	*1.23488374*	*0.04510396*	*0.96596113*	*6.80782131*	*2.49259716*
Int SD	*8396.24000000*	*463.54600000*	*96.78920000*	*432.56500000*	*190900*	*10128.20000000*	*75.33850000*
RelInt Mean	0.00161988	0.00062114	0.00010166	---	---	---	0.00050422
RelInt RSD	*27.60315579*	*77.27168080*	*8.26207480*	---	---	---	*16.79814367*
RelInt SD	*0.00044714*	*0.00047996*	*0.00000840*	---	---	---	*0.00008470*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-13.98970000	2291.91000000	5146.99000000	2191.85000000	3981.86000000	2695.01000000	
Int RSD	*566.51250563*	*7.99276586*	*0.59618340*	*0.99021831*	*0.14333553*	*1.27713070*	
Int SD	*79.25340000*	*183.18700000*	*30.68550000*	*21.70410000*	*5.70742000*	*34.41880000*	
RelInt Mean	-0.00083811	0.00310277	0.00131666	0.00011835	0.00016298	0.00004868	
RelInt RSD	*45.07759162*	*12.69949110*	*3.16697553*	*6.31102868*	*16.41073784*	*81.48223467*	
RelInt SD	*0.00037780*	*0.00039404*	*0.00004170*	*0.00000747*	*0.00002675*	*0.00003967*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S17115			Sample Type: Calibration Sample
Measure Date: 2022-09-20 10:10:21	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	29341.10000000	906.13000000	1975.37000000	5666.72000000	4296.88000000	23723.10000000	3998.15000000
Int RSD	*0.31363514*	*5.12598634*	*1.72691192*	*0.45946862*	*1.21139292*	*2.91221215*	*1.33761115*
Int SD	*92.02400000*	*46.44810000*	*34.11290000*	*26.03680000*	*52.05210000*	*690.86700000*	*53.47970000*
RelInt Mean	0.00002717	0.00281477	-0.00002956	0.00190939	0.00007310	0.15591500	0.00000251
RelInt RSD	*14.50811587*	*15.72998860*	*136.70399567*	*1.74621738*	*29.94725121*	*3.23693679*	*1174.57433018*
RelInt SD	*0.00000394*	*0.00044276*	*0.00004041*	*0.00003334*	*0.00002189*	*0.00504687*	*0.00002954*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3844.34000000	31622.40000000	6199.56000000	64183.80000000	8959.71000000	4927.16000000	2734.41000000
Int RSD	*1.00921094*	*0.07402506*	*0.59271142*	*1.35378709*	*2.76007817*	*1.02587089*	*2.50761225*
Int SD	*38.79750000*	*23.40850000*	*36.74550000*	*868.91200000*	*247.29500000*	*50.54630000*	*68.56840000*
RelInt Mean	0.00003908	0.00026437	0.00135893	0.42347800	0.05566790	-0.00004563	0.00033674
RelInt RSD	*39.28687478*	*2.38356817*	*3.88244428*	*1.35279755*	*3.26856231*	*68.67786181*	*30.05657268*
RelInt SD	*0.00001536*	*0.00000630*	*0.00005276*	*0.00572880*	*0.00181954*	*0.00003134*	*0.00010121*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	675759	4498.64000000	4175.41000000	2852.67000000	2070.64000000	2013.14000000	136.96400000
Int RSD	*1.68216776*	*1.63378932*	*1.79870480*	*1.60371862*	*1.13915021*	*1.41566409*	*27.71480097*
Int SD	*11367.40000000*	*73.49830000*	*75.10330000*	*45.74880000*	*23.58770000*	*28.49930000*	*37.95930000*
RelInt Mean	4.41873000	0.00023144	-0.00002663	0.00002481	0.00001746	0.00011166	-0.00074636
RelInt RSD	*2.61106698*	*23.13413038*	*229.79103693*	*119.18783199*	*78.89480616*	*20.49129971*	*58.15800580*
RelInt SD	*0.11537600*	*0.00005354*	*0.00006120*	*0.00002957*	*0.00001378*	*0.00002288*	*0.00043407*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	40719.10000000	1864.96000000	7605.04000000	949686	19362500	151955	2864.60000000
Int RSD	*1.64075090*	*0.68613804*	*1.03658758*	*0.63625240*	*1.03857973*	*0.93790925*	*0.75186763*
Int SD	*668.09900000*	*12.79620000*	*78.83290000*	*6042.40000000*	*201095*	*1425.20000000*	*21.53800000*
RelInt Mean	0.00042502	-0.00004694	0.00008092	---	---	---	0.00025070
RelInt RSD	*8.19510749*	*33.59804872*	*11.11401506*	---	---	---	*9.73307167*
RelInt SD	*0.00003483*	*0.00001577*	*0.00000899*	---	---	---	*0.00002440*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	71.35410000	2324.59000000	677488	2246.16000000	4078.23000000	2727.58000000	
Int RSD	*102.07640486*	*7.75452876*	*0.49780513*	*1.53462799*	*1.26911430*	*1.51893987*	
Int SD	*72.83570000*	*180.26100000*	*3372.57000000*	*34.47020000*	*51.75740000*	*41.43030000*	
RelInt Mean	-0.00032919	0.00217244	0.71215400	0.00010002	0.00012142	0.00001573	
RelInt RSD	*145.75694518*	*46.20610926*	*0.22254035*	*23.21508559*	*10.99512444*	*257.06509989*	
RelInt SD	*0.00047981*	*0.00100380*	*0.00158483*	*0.00002322*	*0.00001335*	*0.00004043*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S17113			Sample Type: Calibration Sample
Measure Date: 2022-09-20 10:13:38	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	28799.40000000	696.87900000	1850.55000000	5162.23000000	4237.16000000	108.18300000	3853.18000000
Int RSD	*1.29715550*	*12.22381504*	*0.94750209*	*0.29634673*	*0.32644743*	*60.34478615*	*1.35642249*
Int SD	*373.57300000*	*85.18520000*	*17.53400000*	*15.29810000*	*13.83210000*	*65.28280000*	*52.26540000*
RelInt Mean	0.00001678	0.00301005	-0.00009415	0.00152943	0.00019770	0.00045081	-0.00002363
RelInt RSD	*66.79975210*	*15.67804522*	*10.41256714*	*2.51536847*	*10.51806815*	*104.22110620*	*230.04883788*
RelInt SD	*0.00001121*	*0.00047192*	*0.00000980*	*0.00003847*	*0.00002079*	*0.00046983*	*0.00005436*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3765.39000000	31052.10000000	5360.54000000	-122.71800000	362.91200000	4726.80000000	2430.63000000
Int RSD	*0.35760970*	*1.79649041*	*0.15019345*	*103.81851073*	*2.58529340*	*0.52152831*	*0.48656110*
Int SD	*13.46540000*	*557.84800000*	*8.05118000*	*127.40400000*	*9.38234000*	*24.65160000*	*11.82650000*
RelInt Mean	0.00007962	0.00025069	0.00060076	-0.00031634	-0.00041080	-0.00008701	0.00010439
RelInt RSD	*24.88046570*	*4.78042515*	*4.16141914*	*177.49671236*	*65.83293777*	*33.93652833*	*11.18787600*
RelInt SD	*0.00001981*	*0.00001198*	*0.00002500*	*0.00056149*	*0.00027045*	*0.00002953*	*0.00001168*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	7962.96000000	4380.39000000	4049.16000000	2692.16000000	1985.98000000	1864.03000000	28.40550000
Int RSD	*0.96001738*	*0.84054160*	*0.31772516*	*0.61676498*	*0.77004300*	*1.24501752*	*254.70313848*
Int SD	*76.44580000*	*36.81900000*	*12.86520000*	*16.60430000*	*15.29290000*	*23.20750000*	*72.34970000*
RelInt Mean	0.03011510	0.00025165	-0.00002192	-0.00002806	-0.00000661	0.00002601	-0.00107062
RelInt RSD	*3.65149045*	*10.70669300*	*81.62305432*	*74.53466617*	*125.93301595*	*60.57013244*	*4.99476005*
RelInt SD	*0.00109965*	*0.00002694*	*0.00001789*	*0.00002091*	*0.00000832*	*0.00001576*	*0.00005347*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	32427.50000000	1806.79000000	7291.27000000	969987	19995200	155231	2823.70000000
Int RSD	*0.92326883*	*0.95392934*	*2.16243535*	*0.61383194*	*0.48778807*	*3.14103497*	*0.76980557*
Int SD	*299.39300000*	*17.23550000*	*157.66900000*	*5954.09000000*	*97534.20000000*	*4875.86000000*	*21.73700000*
RelInt Mean	0.00001832	-0.00006750	0.00007225	---	---	---	0.00027823
RelInt RSD	*68.36986421*	*27.01841454*	*1.62835599*	---	---	---	*9.08768083*
RelInt SD	*0.00001253*	*0.00001824*	*0.00000118*	---	---	---	*0.00002528*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-2.10865000	2130.53000000	4537.21000000	318545	3914.37000000	144211	
Int RSD	*1251.89576269*	*5.54561541*	*0.51802099*	*0.71580154*	*0.34706479*	*0.83026260*	
Int SD	*26.39810000*	*118.15100000*	*23.50370000*	*2280.15000000*	*13.58540000*	*1197.33000000*	
RelInt Mean	-0.00098461	0.00188280	0.00064896	0.32756200	0.00005360	0.14653800	
RelInt RSD	*39.21467064*	*49.16289569*	*10.26816794*	*0.10540142*	*39.66117190*	*0.30402762*	
RelInt SD	*0.00038611*	*0.00092564*	*0.00006664*	*0.00034525*	*0.00002126*	*0.00044552*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S17048			Sample Type: Calibration Sample
Measure Date: 2022-09-20 10:16:54	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	30196.50000000	2616.49000000	2279.08000000	5631.18000000	4946.13000000	457768	4446.92000000
Int RSD	*0.61237229*	*11.74126406*	*1.08509135*	*1.26742175*	*0.35582364*	*1.54070402*	*0.67716982*
Int SD	*184.91500000*	*307.20900000*	*24.73010000*	*71.37080000*	*17.59950000*	*7052.85000000*	*30.11320000*
RelInt Mean	0.00003592	0.00494265	-0.00007547	0.00134557	0.00035704	2.93514000	0.00002304
RelInt RSD	*13.42155373*	*15.44108929*	*20.01974360*	*5.90952533*	*10.22426122*	*0.25342266*	*75.91127468*
RelInt SD	*0.00000482*	*0.00076320*	*0.00001511*	*0.00007952*	*0.00003650*	*0.00743831*	*0.00001749*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4510.02000000	33509.60000000	15306.30000000	333464	163945	7630.92000000	2769.84000000
Int RSD	*0.18704263*	*0.29802027*	*0.66174059*	*0.49638042*	*0.67979505*	*0.32190483*	*1.59818257*
Int SD	*8.43566000*	*99.86540000*	*101.28800000*	*1655.25000000*	*1114.49000000*	*24.56430000*	*44.26710000*
RelInt Mean	0.00012337	0.00031404	0.01093460	2.13408000	1.04611000	0.00232515	0.00002091
RelInt RSD	*22.02391278*	*1.71056822*	*0.97873722*	*1.68342330*	*0.62858495*	*1.25013440*	*238.57454379*
RelInt SD	*0.00002717*	*0.00000537*	*0.00010702*	*0.03592560*	*0.00657569*	*0.00002907*	*0.00004989*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	3167230	4992.61000000	4587.23000000	3107.36000000	2348.39000000	2192.67000000	421.15900000
Int RSD	*4.33773360*	*0.52625581*	*0.29490346*	*0.72532954*	*0.42939631*	*0.14854082*	*20.97497620*
Int SD	*137386*	*26.27390000*	*13.52790000*	*22.53860000*	*10.08390000*	*3.25701000*	*88.33800000*
RelInt Mean	20.21490000	0.00027446	-0.00002852	-0.00002624	0.00004494	0.00001718	0.00117025
RelInt RSD	*3.10272621*	*12.13245501*	*95.04055433*	*46.81961290*	*55.25033881*	*115.55687500*	*26.76957915*
RelInt SD	*0.62721300*	*0.00003330*	*0.00002710*	*0.00001228*	*0.00002483*	*0.00001985*	*0.00031327*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	36467.00000000	2114.84000000	8756.66000000	894859	18425800	156106	5620.94000000
Int RSD	*0.48629720*	*0.62707344*	*0.21546115*	*0.33950041*	*0.70423537*	*1.27186015*	*0.62733813*
Int SD	*177.33800000*	*13.26160000*	*18.86720000*	*3038.05000000*	*129761*	*1985.45000000*	*35.26230000*
RelInt Mean	0.00010274	-0.00008765	0.00008710	---	---	---	0.00303350
RelInt RSD	*2.29416975*	*42.40044177*	*0.56818886*	---	---	---	*1.76200429*
RelInt SD	*0.00000236*	*0.00003716*	*0.00000049*	---	---	---	*0.00005345*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-23.15090000	2191.56000000	5272.37000000	2619.45000000	4509.54000000	3461.61000000	
Int RSD	*209.35039243*	*7.85988063*	*0.62866605*	*1.08503694*	*0.36291728*	*1.12500831*	
Int SD	*48.46650000*	*172.25400000*	*33.14560000*	*28.42200000*	*16.36590000*	*38.94340000*	
RelInt Mean	-0.00081485	0.00266232	0.00067198	0.00026599	0.00010653	0.00046794	
RelInt RSD	*46.09612871*	*9.69954776*	*6.53196008*	*17.54438137*	*7.56835633*	*8.43372078*	
RelInt SD	*0.00037561*	*0.00025823*	*0.00004389*	*0.00004667*	*0.00000806*	*0.00003946*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S17024	Sample Type: Control Sample		
Measure Date: 2022-09-20 10:20:23	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	277562	2954.16000000	21782.80000000	91789.60000000	301638	225728	166660
Int RSD	*0.26117912*	*4.35626371*	*0.45454028*	*0.03783697*	*0.44524231*	*4.12145591*	*0.27541102*
Int SD	*724.93400000*	*128.69100000*	*99.01160000*	*34.73040000*	*1343.02000000*	*9303.28000000*	*459.00000000*
RelInt Mean	0.01320740	0.01210590	0.02136790	0.09595470	0.32565000	1.47402000	0.17775800
RelInt RSD	*0.39784515*	*7.37681626*	*0.44834542*	*0.18479553*	*0.26798833*	*1.35696259*	*0.13077105*
RelInt SD	*0.00005254*	*0.00089303*	*0.00009580*	*0.00017732*	*0.00087270*	*0.02000190*	*0.00023246*
Conc Mean	0.50232100[mg/l]	0.79950700[mg/l]	1.07265000[mg/l]	1.03415000[mg/l]	1.00167000[mg/l]	100.43000000[mg/l]	0.97129100[mg/l]
Conc RSD	*0.39853201*	*10.79975535*	*0.44772946*	*0.18614321*	*0.26933222*	*1.35684556*	*0.12999606*
Conc SD	*0.00200191[mg/l]*	*0.08634480[mg/l]*	*0.00480257[mg/l]*	*0.00192500[mg/l]*	*0.00269782[mg/l]*	*1.36268000[mg/l]*	*0.00126264[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	132803	750063	293994	180862	86512.80000000	1448540	139863
Int RSD	*0.42513347*	*0.84478904*	*0.39585842*	*1.30772633*	*1.40752582*	*0.77455921*	*0.22922217*
Int SD	*564.59000000*	*6336.45000000*	*1163.80000000*	*2365.18000000*	*1217.69000000*	*11219.80000000*	*320.59700000*
RelInt Mean	0.14080700	0.03852120	0.31636200	1.18096000	0.56088200	1.58208000	0.15033300
RelInt RSD	*0.30575113*	*0.96839403*	*0.20808694*	*4.13074109*	*2.77470127*	*0.95210735*	*0.12668010*
RelInt SD	*0.00043052*	*0.00037304*	*0.00065831*	*0.04878240*	*0.01556280*	*0.01506310*	*0.00019044*
Conc Mean	0.98973300[mg/l]	0.99618900[mg/l]	1.02538000[mg/l]	110.68700000[mg/l]	107.29800000[mg/l]	1.00646000[mg/l]	1.04106000[mg/l]
Conc RSD	*0.30615125*	*0.97481803*	*0.20864460*	*4.12963582*	*2.76966952*	*0.95220774*	*0.12639425*
Conc SD	*0.00303008[mg/l]*	*0.00971103[mg/l]*	*0.00213940[mg/l]*	*4.57097000[mg/l]*	*2.97180000[mg/l]*	*0.00958359[mg/l]*	*0.00131584[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1509030	111324	35369.10000000	24629.70000000	19609.50000000	245163	207583
Int RSD	*2.22638384*	*0.18828375*	*0.06531634*	*0.35633889*	*0.47530330*	*0.51373168*	*3.36811300*
Int SD	*33596.80000000*	*209.60500000*	*23.10180000*	*87.76520000*	*93.20460000*	*1259.48000000*	*6991.63000000*
RelInt Mean	9.80638000	0.11675800	0.03376830	0.02358030	0.01898190	0.26642800	1.35382000
RelInt RSD	*4.99335127*	*0.19410747*	*0.26172564*	*0.16466881*	*0.72880481*	*0.32800832*	*0.63506005*
RelInt SD	*0.48966700*	*0.00022664*	*0.00008838*	*0.00003883*	*0.00013834*	*0.00087391*	*0.00859757*
Conc Mean	97.52810000[mg/l]	0.97875600[mg/l]	1.01833000[mg/l]	1.02245000[mg/l]	0.98534100[mg/l]	4.97137000[mg/l]	1.01856000[mg/l]
Conc RSD	*5.00824890*	*0.19440903*	*0.26313474*	*0.16478263*	*0.72922775*	*0.32790961*	*0.63484920*
Conc SD	*4.88445000[mg/l]*	*0.00190279[mg/l]*	*0.00267958[mg/l]*	*0.00168482[mg/l]*	*0.00718538[mg/l]*	*0.01630160[mg/l]*	*0.00646632[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2213940	16947.60000000	115712	917437	18740800	153377	254733
Int RSD	*0.45395991*	*0.62490264*	*0.92362936*	*0.19519160*	*0.08917496*	*2.80173038*	*0.07131781*
Int SD	*10050.40000000*	*105.90600000*	*1068.75000000*	*1790.76000000*	*16712.10000000*	*4297.21000000*	*181.67000000*
RelInt Mean	0.11643100	0.01613510	0.00581436	---	---	---	0.27602400
RelInt RSD	*0.53605311*	*0.62164474*	*1.07308113*	---	---	---	*0.12887176*
RelInt SD	*0.00062413*	*0.00010030*	*0.00006239*	---	---	---	*0.00035572*
Conc Mean	1.02490000[mg/l]	1.01061000[mg/l]	1.00566000[mg/l]	912027	18693700	153097	0.92266300[mg/l]
Conc RSD	*0.53597717*	*0.61955947*	*1.08884713*	---	---	---	*0.12897884*
Conc SD	*0.00549323[mg/l]*	*0.00626133[mg/l]*	*0.01095010[mg/l]*	*1736.38000000*	*16419.90000000*	*4277.53000000*	*0.00119004[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	46719.10000000	134876	352122	165819	280777	78843.80000000	
Int RSD	*2.98060108*	*1.67629526*	*0.30913717*	*0.17341740*	*0.22959395*	*0.07640360*	
Int SD	*1392.51000000*	*2260.92000000*	*1088.54000000*	*287.55900000*	*644.64700000*	*60.23950000*	
RelInt Mean	0.30424900	0.86235700	0.38080200	0.17891000	0.30275200	0.08310070	
RelInt RSD	*3.21924476*	*4.52716218*	*0.09156596*	*0.22882175*	*0.30150255*	*0.26695804*	
RelInt SD	*0.00979452*	*0.03904030*	*0.00034869*	*0.00040939*	*0.00091281*	*0.00022184*	
Conc Mean	0.97945900[mg/l]	1.10484000[mg/l]	5.31931000[mg/l]	5.46035000[mg/l]	1.04215000[mg/l]	5.67104000[mg/l]	
Conc RSD	*3.21484615*	*4.53370624*	*0.09201682*	*0.22887544*	*0.30412033*	*0.26698278*	
Conc SD	*0.03148810[mg/l]*	*0.05009020[mg/l]*	*0.00489466[mg/l]*	*0.01249740[mg/l]*	*0.00316939[mg/l]*	*0.01514070[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303014 File : met06_master Time : 20-SEP-2022 10:26
Cal : 482379303001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	19822300	0.54
Yttrium	A	959140	956923	-0.23
Yttrium	R	157179	141265	-10.12

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-09-20 10:26:55	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	29222.90000000	681.42000000	1887.97000000	4675.04000000	4165.39000000	75.19200000	3887.68000000
Int RSD	*0.53881374*	*10.38962754*	*1.64932705*	*0.40611417*	*0.98172320*	*65.74662198*	*0.32097806*
Int SD	*157.45700000*	*70.79700000*	*31.13880000*	*18.98600000*	*40.89260000*	*49.43620000*	*12.47860000*
RelInt Mean	0.00001780	0.00321001	-0.00006341	0.00101412	0.00010957	-0.00003432	0.00000147
RelInt RSD	*93.69753565*	*20.20647911*	*65.55415548*	*3.63849446*	*33.62517112*	*1075.57336442*	*983.83854901*
RelInt SD	*0.00001668*	*0.00064863*	*0.00004157*	*0.00003690*	*0.00003684*	*0.00036908*	*0.00001444*
Conc Mean	<-0.00018665[mg/l]	<-0.06060030[mg/l]	<-0.00058530[mg/l]	0.00332037[mg/l]	<-0.00005132[mg/l]	<0.01263480[mg/l]	<-0.00023833[mg/l]
Conc RSD	*340.39239428*	*103.48645139*	*355.90906606*	*12.06597458*	*220.67999267*	*198.99879697*	*33.18896647*
Conc SD	*0.00063534[mg/l]*	*0.06271310[mg/l]*	*0.00208315[mg/l]*	*0.00040064[mg/l]*	*0.00011325[mg/l]*	*0.02514310[mg/l]*	*0.00007910[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	3764.10000000	31454.30000000	5122.77000000	-133.99600000	347.68700000	4755.87000000	2391.97000000
Int RSD	*0.30512473*	*0.40136961*	*0.26080031*	*51.75072390*	*12.03056197*	*0.09750729*	*1.25899154*
Int SD	*11.48520000*	*126.24800000*	*13.36020000*	*69.34390000*	*41.82870000*	*4.63732000*	*30.11470000*
RelInt Mean	0.00006481	0.00025614	0.00032286	-0.00040181	-0.00058745	-0.00008652	0.00004391
RelInt RSD	*39.64602671*	*3.29032334*	*8.79061008*	*123.39766802*	*5.65583454*	*30.46195030*	*49.67965143*
RelInt SD	*0.00002570*	*0.00000843*	*0.00002838*	*0.00049582*	*0.00003323*	*0.00002635*	*0.00002181*
Conc Mean	<-0.00000767[mg/l]	<0.00025926[mg/l]	<-0.00208806[mg/l]	<-0.01268460[mg/l]	<0.08166820[mg/l]	<-0.00007147[mg/l]	<0.00044616[mg/l]
Conc RSD	*2354.68271725*	*84.60998461*	*4.41897742*	*366.27721804*	*7.76877659*	*23.45917054*	*33.85048480*
Conc SD	*0.00018070[mg/l]*	*0.00021936[mg/l]*	*0.00009227[mg/l]*	*0.04646080[mg/l]*	*0.00634462[mg/l]*	*0.00001677[mg/l]*	*0.00015103[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	8413.37000000	4398.74000000	4067.81000000	2704.27000000	2021.09000000	1926.64000000	97.76230000
Int RSD	*2.63244098*	*0.40887390*	*0.59720833*	*0.32491393*	*0.45284277*	*1.43988498*	*70.67560808*
Int SD	*221.47700000*	*17.98530000*	*24.29330000*	*8.78655000*	*9.15236000*	*27.74140000*	*69.09410000*
RelInt Mean	0.03727250	0.00023311	-0.00003011	-0.00003780	0.00000877	0.00008944	-0.00072782
RelInt RSD	*1.91905292*	*3.60667144*	*140.24485024*	*40.87978433*	*177.74557742*	*35.58374675*	*68.76538834*
RelInt SD	*0.00071528*	*0.00000841*	*0.00004223*	*0.00001545*	*0.00001559*	*0.00003183*	*0.00050049*
Conc Mean	0.08314450[mg/l]	<0.00041317[mg/l]	<-0.00022404[mg/l]	<-0.00106212[mg/l]	<-0.00017660[mg/l]	<0.00129096[mg/l]	<0.00003776[mg/l]
Conc RSD	*8.58097649*	*17.08458282*	*573.32744161*	*63.40018077*	*458.57281185*	*46.00312945*	*996.67626269*
Conc SD	*0.00713461[mg/l]*	*0.00007059[mg/l]*	*0.00128450[mg/l]*	*0.00067339[mg/l]*	*0.00080984[mg/l]*	*0.00059388[mg/l]*	*0.00037633[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	32756.40000000	1808.75000000	7549.52000000	956923	19822300	141265	2773.25000000
Int RSD	*0.62959605*	*0.74654872*	*0.84153430*	*0.38596209*	*0.59438108*	*0.40996567*	*1.30611737*
Int SD	*206.23300000*	*13.50320000*	*63.53180000*	*3693.36000000*	*117820*	*579.13800000*	*36.22190000*
RelInt Mean	0.00001381	-0.00006937	0.00007911	---	---	---	0.00021159
RelInt RSD	*60.35833472*	*25.87331838*	*0.55101432*	---	---	---	*24.59522560*
RelInt SD	*0.00000834*	*0.00001795*	*0.00000044*	---	---	---	*0.00005204*
Conc Mean	<0.00021081[mg/l]	<0.00119395[mg/l]	<-0.00051864[mg/l]	951913	19777800	141017	<0.00003972[mg/l]
Conc RSD	*34.81267492*	*94.09020478*	*14.75104843*	---	---	---	*438.60117257*
Conc SD	*0.00007339[mg/l]*	*0.00112339[mg/l]*	*0.00007650[mg/l]*	*3680.66000000*	*117918*	*534.58800000*	*0.00017423[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-96.66140000	1976.42000000	4445.13000000	2197.27000000	3943.43000000	2670.51000000	
Int RSD	*71.99461212*	*6.54810212*	*0.37695410*	*1.34515103*	*0.62453499*	*1.82253951*	
Int SD	*69.59100000*	*129.41800000*	*16.75610000*	*29.55660000*	*24.62810000*	*48.67110000*	
RelInt Mean	-0.00150629	0.00208457	0.00055625	0.00011547	0.00007110	-0.00000023	
RelInt RSD	*15.62693771*	*29.11847527*	*5.96835230*	*44.48095193*	*69.04681536*	*27694.63822316*	
RelInt SD	*0.00023539*	*0.00060699*	*0.00003320*	*0.00005136*	*0.00004909*	*0.00006435*	
Conc Mean	<-0.00346792[mg/l]	<0.00097123[mg/l]	<-0.00175726[mg/l]	<0.00023679[mg/l]	<-0.00000721[mg/l]	<0.00025092[mg/l]	
Conc RSD	*21.82045722*	*80.19373412*	*26.43177447*	*662.41817644*	*2303.13552130*	*1750.13948669*	
Conc SD	*0.00075672[mg/l]*	*0.00077886[mg/l]*	*0.00046448[mg/l]*	*0.00156854[mg/l]*	*0.00016609[mg/l]*	*0.00439145[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303015 File : met06_master Time : 20-SEP-2022 10:30
Cal : 482379303001 Caldate : 20-SEP-2022
Standards: S16979, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.006450]	0.003333	mg/l	!a-

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	145.4	mg/l	91	
Aluminum	R	400.0	379.3	mg/l	95	
Calcium	R	400.0	397.2	mg/l	99	
Magnesium	R	400.0	399.5	mg/l	100	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	17929500	-9.06
Yttrium	A	959140	871136	-9.18
Yttrium	R	157179	157998	0.52

!=warning -=low bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S16979			Sample Type: Control Sample
Measure Date: 2022-09-20 10:30:11	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	31319.70000000	626869	6812.70000000	7277.49000000	5659.65000000	919847	5355.28000000
Int RSD	*1.02878380*	*2.75443514*	*0.92145552*	*0.20003463*	*0.61223574*	*6.31925744*	*0.21374606*
Int SD	*322.21200000*	*17266.70000000*	*62.77600000*	*14.55750000*	*34.65040000*	*58127.50000000*	*11.44670000*
RelInt Mean	0.00000807	3.92653000	-0.00007490	0.00155278	0.00022337	5.83002000	0.00015787
RelInt RSD	*154.14223328*	*2.31738201*	*98.59274905*	*4.48465977*	*24.79972960*	*3.09806827*	*9.06211003*
RelInt SD	*0.00001244*	*0.09099270*	*0.00007384*	*0.00006964*	*0.00005540*	*0.18061800*	*0.00001431*
Conc Mean	<-0.00055728[mg/l]	>379.26800000[mg/l]	<-0.00115720[mg/l]	0.00916899[mg/l]	<0.00030033[mg/l]	>397.17500000[mg/l]	<0.00061533[mg/l]
Conc RSD	*85.03701896*	*2.31968160*	*319.84618044*	*8.24613180*	*57.71779231*	*3.09797948*	*12.73523442*
Conc SD	*0.00047390[mg/l]*	*8.79781000[mg/l]*	*0.00370126[mg/l]*	*0.00075609[mg/l]*	*0.00017334[mg/l]*	*12.30440000[mg/l]*	*0.00007836[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5209.99000000	35889.30000000	38677000	-25.07470000	330963	10024.20000000	10229.20000000
Int RSD	*1.74614347*	*0.56276662*	*0.36263154*	*337.83973487*	*2.89351680*	*0.47297241*	*0.44564678*
Int SD	*90.97390000*	*201.97300000*	*140255*	*84.71230000*	*9576.47000000*	*47.41170000*	*45.58610000*
RelInt Mean	-0.00056281	0.00030990	44.72440000	0.00041652	2.09099000	0.00222875	0.00003860
RelInt RSD	*11.70685771*	*2.83424115*	*0.50331586*	*73.59479886*	*2.04111928*	*2.35584969*	*343.65544825*
RelInt SD	*0.00006589*	*0.00000878*	*0.22510500*	*0.00030654*	*0.04267960*	*0.00005251*	*0.00013266*
Conc Mean	<-0.00442131[mg/l]	<0.00165847[mg/l]	>145.39900000[mg/l]	0.06399730[mg/l]	>399.48100000[mg/l]	0.00140144[mg/l]	<0.00040945[mg/l]
Conc RSD	*10.47974469*	*13.78360778*	*0.50341061*	*44.88376853*	*2.04010454*	*2.38357689*	*224.33917612*
Conc SD	*0.00046334[mg/l]*	*0.00022860[mg/l]*	*0.73195400[mg/l]*	*0.02872440[mg/l]*	*8.14983000[mg/l]*	*0.00003340[mg/l]*	*0.00091856[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	13386.50000000	5730.24000000	11716.30000000	11918.80000000	8171.31000000	6916.14000000	3502.11000000
Int RSD	*0.18044298*	*0.60763249*	*0.04684474*	*1.24326274*	*0.95503781*	*0.05752081*	*4.96783368*
Int SD	*24.15500000*	*34.81880000*	*5.48847000*	*148.18200000*	*78.03910000*	*3.97822000*	*173.97900000*
RelInt Mean	0.06420600	0.00023607	0.00227632	0.00010805	0.00002188	0.00007849	0.02030300
RelInt RSD	*5.66898732*	*17.50399241*	*3.39722007*	*247.38551808*	*204.73650532*	*35.26730375*	*0.40684776*
RelInt SD	*0.00363983*	*0.00004132*	*0.00007733*	*0.00026731*	*0.00004479*	*0.00002768*	*0.00008260*
Conc Mean	0.35180000[mg/l]	<0.00043802[mg/l]	<-0.00645004[mg/l]	<0.00532019[mg/l]	<0.00050424[mg/l]	<0.00108674[mg/l]	0.01585130[mg/l]
Conc RSD	*10.32012507*	*79.20693300*	*35.69900342*	*218.93015099*	*461.43777628*	*47.53418481*	*0.39193252*
Conc SD	*0.03630620[mg/l]*	*0.00034694[mg/l]*	*0.00230260[mg/l]*	*0.01164750[mg/l]*	*0.00232674[mg/l]*	*0.00051657[mg/l]*	*0.00006213[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	39900.90000000	7042.89000000	9975.50000000	871136	17929500	157998	11994.00000000
Int RSD	*0.65384991*	*0.38500530*	*1.53497068*	*0.21427194*	*0.13497142*	*4.16152736*	*0.99829081*
Int SD	*260.89200000*	*27.11550000*	*153.12100000*	*1866.60000000*	*24199.70000000*	*6575.13000000*	*119.73500000*
RelInt Mean	0.00019085	-0.00008580	0.00006720	---	---	---	0.00097077
RelInt RSD	*4.36355110*	*58.02695193*	*8.85063218*	---	---	---	*9.31038035*
RelInt SD	*0.00000833*	*0.00004979*	*0.00000595*	---	---	---	*0.00009038*
Conc Mean	0.00176903[mg/l]	<0.00016123[mg/l]	<-0.00260862[mg/l]	864574	17874500	157665	0.00258287[mg/l]
Conc RSD	*4.14347411*	*1934.40924907*	*40.00774356*	---	---	---	*11.71177798*
Conc SD	*0.00007330[mg/l]*	*0.00311879[mg/l]*	*0.00104365[mg/l]*	*1885.94000000*	*24413.60000000*	*6534.88000000*	*0.00030250[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	142.96100000	2294.12000000	7401.05000000	5443.03000000	5687.38000000	6675.36000000	
Int RSD	*75.13867418*	*6.70636235*	*0.78572905*	*0.50522411*	*0.70863561*	*0.81742258*	
Int SD	*107.41900000*	*153.85200000*	*58.15220000*	*27.49950000*	*40.30280000*	*54.56590000*	
RelInt Mean	-0.00033763	0.00252190	0.00151690	0.00017390	-0.00020986	0.00013273	
RelInt RSD	*194.29250117*	*7.71886276*	*7.08227306*	*31.59115349*	*21.14822527*	*51.36135910*	
RelInt SD	*0.00065598*	*0.00019466*	*0.00010743*	*0.00005494*	*0.00004438*	*0.00006817*	
Conc Mean	<0.00028903[mg/l]	<0.00153239[mg/l]	0.01174580[mg/l]	<0.00202111[mg/l]	<-0.00097613[mg/l]	<0.00932457[mg/l]	
Conc RSD	*729.61377845*	*16.30015858*	*12.68274617*	*83.00785212*	*14.44791391*	*49.89205937*	
Conc SD	*0.00210881[mg/l]*	*0.00024978[mg/l]*	*0.00148969[mg/l]*	*0.00167768[mg/l]*	*0.00014103[mg/l]*	*0.00465222[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303016 File : met06_master Time : 20-SEP-2022 10:33
Cal : 482379303001 Caldate : 20-SEP-2022
Standards: S17065, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9933	mg/l	-1	20	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	18077400	-8.31
Yttrium	A	959140	877599	-8.50
Yttrium	R	157179	151974	-3.31

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S17065			Sample Type: Control Sample
Measure Date: 2022-09-20 10:33:27	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	532372	616481	6886.57000000	7373.50000000	146205	858752	82937.80000000
Int RSD	*0.70279804*	*2.30295824*	*0.47157729*	*1.18995592*	*0.25182518*	*5.01015427*	*0.24398163*
Int SD	*3741.50000000*	*14197.30000000*	*32.47550000*	*87.74140000*	*368.18100000*	*43024.80000000*	*202.35300000*
RelInt Mean	0.02772400	4.00874000	-0.00008329	0.00157290	0.16150800	5.65825000	0.08898880
RelInt RSD	*0.06305980*	*2.11147642*	*56.38865110*	*4.32324369*	*0.43437043*	*4.87154155*	*0.27141843*
RelInt SD	*0.00001748*	*0.08464360*	*0.00004697*	*0.00006800*	*0.00070154*	*0.27564400*	*0.00024153*
Conc Mean	1.05538000[mg/l]	>387.21700000[mg/l]	<-0.00204615[mg/l]	0.00938741[mg/l]	0.49848200[mg/l]	>385.47300000[mg/l]	0.48700000[mg/l]
Conc RSD	*0.06265383*	*2.11347901*	*115.02431396*	*7.86518326*	*0.43465361*	*4.87121018*	*0.27152772*
Conc SD	*0.00066124[mg/l]*	*8.18375000[mg/l]*	*0.00235357[mg/l]*	*0.00073834[mg/l]*	*0.00216667[mg/l]*	*18.77720000[mg/l]*	*0.00132234[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	70989.00000000	408081	38919500	-56.38430000	324475	695205	10338.30000000
Int RSD	*0.43308822*	*0.99142817*	*0.59418800*	*177.71613729*	*2.27412281*	*0.22258039*	*0.38851842*
Int SD	*307.44500000*	*4045.83000000*	*231255*	*100.20400000*	*7378.96000000*	*1547.39000000*	*40.16620000*
RelInt Mean	0.07484210	0.02088590	44.67550000	0.00028700	2.12983000	0.78871400	-0.00004245
RelInt RSD	*0.69234829*	*0.63247454*	*0.73883001*	*143.56983822*	*2.16978350*	*0.20195153*	*232.22813233*
RelInt SD	*0.00051817*	*0.00013210*	*0.33007600*	*0.00041204*	*0.04621270*	*0.00159282*	*0.00009858*
Conc Mean	0.52584700[mg/l]	0.53719100[mg/l]	>145.24100000[mg/l]	0.05186010[mg/l]	>406.89700000[mg/l]	0.50174100[mg/l]	<-0.00015177[mg/l]
Conc RSD	*0.69297533*	*0.63991020*	*0.73884785*	*74.45184255*	*2.16891990*	*0.20198469*	*449.74435674*
Conc SD	*0.00364399[mg/l]*	*0.00343754[mg/l]*	*1.07311000[mg/l]*	*0.03861080[mg/l]*	*8.82527000[mg/l]*	*0.00101344[mg/l]*	*0.00068260[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	13182.10000000	104528	40769.00000000	11973.80000000	8235.24000000	6946.88000000	3416.18000000
Int RSD	*2.52275434*	*0.19311285*	*0.44485761*	*0.55965274*	*0.52398351*	*0.34725085*	*3.34197847*
Int SD	*332.55200000*	*201.85700000*	*181.36400000*	*67.01170000*	*43.15130000*	*24.12310000*	*114.16800000*
RelInt Mean	0.06647650	0.11346900	0.03549750	0.00001455	-0.00002182	0.00000375	0.02069170
RelInt RSD	*2.60594345*	*0.22657466*	*0.43722234*	*981.51291690*	*258.60592811*	*1029.64624216*	*4.30195199*
RelInt SD	*0.00173234*	*0.00025709*	*0.00015520*	*0.00014282*	*0.00005642*	*0.00003857*	*0.00089015*
Conc Mean	0.37444900[mg/l]	0.95114300[mg/l]	0.99328600[mg/l]	<-0.00186547[mg/l]	<-0.00176551[mg/l]	<-0.00030811[mg/l]	0.01614360[mg/l]
Conc RSD	*4.61470053*	*0.22671459*	*0.62225583*	*334.78265531*	*166.00075899*	*233.57545780*	*4.14614460*
Conc SD	*0.01727970[mg/l]*	*0.00215638[mg/l]*	*0.00618078[mg/l]*	*0.00624527[mg/l]*	*0.00293076[mg/l]*	*0.00071966[mg/l]*	*0.00066934[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	40514.80000000	7191.84000000	63138.00000000	877599	18077400	151974	240742
Int RSD	*0.67375626*	*0.37646972*	*0.75589186*	*0.17749223*	*0.75093210*	*0.14316923*	*0.33389022*
Int SD	*272.97100000*	*27.07510000*	*477.25500000*	*1557.67000000*	*135749*	*217.58000000*	*803.81400000*
RelInt Mean	0.00020914	-0.00000393	0.00300529	---	---	---	0.26340000
RelInt RSD	*6.98554550*	*907.24966248*	*0.91539252*	---	---	---	*0.39190964*
RelInt SD	*0.00001461*	*0.00003562*	*0.00002751*	---	---	---	*0.00103229*
Conc Mean	0.00193003[mg/l]	0.00528938[mg/l]	0.51305100[mg/l]	870944	18022200	151710	0.88064900[mg/l]
Conc RSD	*6.66269436*	*42.13745278*	*0.94124171*	---	---	---	*0.39218236*
Conc SD	*0.00012859[mg/l]*	*0.00222881[mg/l]*	*0.00482905[mg/l]*	*1542.15000000*	*135486*	*243.71600000*	*0.00345375[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	22815.40000000	2210.68000000	7455.52000000	5657.95000000	276513	6808.17000000	
Int RSD	*3.72590882*	*10.50296741*	*1.66712718*	*0.82553398*	*0.19369614*	*0.57145900*	
Int SD	*850.08100000*	*232.18700000*	*124.29300000*	*46.70830000*	*535.59500000*	*38.90590000*	
RelInt Mean	0.14907000	0.00283650	0.00142316	0.00034765	0.31019600	0.00019506	
RelInt RSD	*4.04051788*	*20.60715671*	*10.06063970*	*7.73901913*	*0.03044939*	*24.51229391*	
RelInt SD	*0.00602320*	*0.00058452*	*0.00014318*	*0.00002690*	*0.00009445*	*0.00004781*	
Conc Mean	0.48059500[mg/l]	<0.00193607[mg/l]	0.01044090[mg/l]	0.00732721[mg/l]	1.07179000[mg/l]	0.01357730[mg/l]	
Conc RSD	*4.02898490*	*38.73966334*	*19.42179314*	*11.21346324*	*0.03139626*	*24.03091925*	
Conc SD	*0.01936310[mg/l]*	*0.00075003[mg/l]*	*0.00202781[mg/l]*	*0.00082163[mg/l]*	*0.00033650[mg/l]*	*0.00326275[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303027 File : met06_master Time : 20-SEP-2022 11:09
Cal : 482379303001 Caldate : 20-SEP-2022
Standards: S17211, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0332	0.0337	1.000	1.016	mg/l	2	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	19285300	-2.19
Yttrium	A	959140	945245	-1.45
Yttrium	R	157179	180011	14.53

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024			Sample Type: Control Sample
Measure Date: 2022-09-20 11:09:17	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	287197	3315.59000000	22317.50000000	93480.10000000	308631	275710	171105
Int RSD	*0.67942910*	*2.39754011*	*0.62228744*	*0.24506713*	*0.45138693*	*5.58100903*	*0.37179685*
Int SD	*1951.30000000*	*79.49260000*	*138.87900000*	*229.08900000*	*1393.12000000*	*15387.40000000*	*636.16300000*
RelInt Mean	0.01326750	0.01130300	0.02117870	0.09469150	0.32330100	1.53311000	0.17703000
RelInt RSD	*0.30678349*	*5.87138813*	*0.49281117*	*0.57303771*	*0.10945558*	*1.06716413*	*0.06700955*
RelInt SD	*0.00004070*	*0.00066364*	*0.00010437*	*0.00054262*	*0.00035387*	*0.01636080*	*0.00011863*
Conc Mean	0.50460800[mg/l]	0.72187600[mg/l]	1.06316000[mg/l]	1.02043000[mg/l]	0.99456700[mg/l]	104.45500000[mg/l]	0.96731800[mg/l]
Conc RSD	*0.30706013*	*8.88810544*	*0.49218838*	*0.57753104*	*0.10877598*	*1.06660284*	*0.06909651*
Conc SD	*0.00154945[mg/l]*	*0.06416110[mg/l]*	*0.00523275[mg/l]*	*0.00589330[mg/l]*	*0.00108185[mg/l]*	*1.11412000[mg/l]*	*0.00066838[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	136754	763269	303094	161191	93310.30000000	1484660	138602
Int RSD	*0.59608860*	*1.22881448*	*0.43346289*	*4.26600120*	*0.41917559*	*0.42845231*	*0.66847881*
Int SD	*815.17500000*	*9379.16000000*	*1313.80000000*	*6876.41000000*	*391.13400000*	*6361.06000000*	*926.52500000*
RelInt Mean	0.14063400	0.03805190	0.31650600	0.89860100	0.51520800	1.57386000	0.14443200
RelInt RSD	*0.37078374*	*1.01441452*	*0.20096554*	*8.66745085*	*4.25870716*	*0.69710139*	*0.32717957*
RelInt SD	*0.00052145*	*0.00038600*	*0.00063607*	*0.07788580*	*0.02194120*	*0.01097140*	*0.00047255*
Conc Mean	0.98852000[mg/l]	0.98397300[mg/l]	1.02585000[mg/l]	84.22880000[mg/l]	98.57570000[mg/l]	1.00123000[mg/l]	1.00020000[mg/l]
Conc RSD	*0.37090904*	*1.02101379*	*0.20168543*	*8.66492221*	*4.25013467*	*0.69718247*	*0.32718356*
Conc SD	*0.00366651[mg/l]*	*0.01004650[mg/l]*	*0.00206899[mg/l]*	*7.29836000[mg/l]*	*4.18960000[mg/l]*	*0.00698040[mg/l]*	*0.00327249[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1356320	114106	36461.30000000	25358.50000000	20124.20000000	252267	241069
Int RSD	*3.05423499*	*0.71902880*	*0.18283989*	*0.74034347*	*0.95699208*	*0.35551816*	*3.85898228*
Int SD	*41425.20000000*	*820.45500000*	*66.66580000*	*187.74000000*	*192.58700000*	*896.85500000*	*9302.81000000*
RelInt Mean	7.51016000	0.11608700	0.03368400	0.02349010	0.01884020	0.26604500	1.34039000
RelInt RSD	*5.03608445*	*0.39874405*	*0.54998516*	*1.09468244*	*0.87898218*	*0.10213610*	*0.83307097*
RelInt SD	*0.37821800*	*0.00046289*	*0.00018526*	*0.00025714*	*0.00016560*	*0.00027173*	*0.01116640*
Conc Mean	74.62380000[mg/l]	0.97312300[mg/l]	1.01580000[mg/l]	1.01853000[mg/l]	0.97798000[mg/l]	4.96423000[mg/l]	1.00845000[mg/l]
Conc RSD	*5.05557208*	*0.39910371*	*0.54839437*	*1.10220612*	*0.87947095*	*0.10208371*	*0.83260747*
Conc SD	*3.77266000[mg/l]*	*0.00388377[mg/l]*	*0.00557059[mg/l]*	*0.01122630[mg/l]*	*0.00860105[mg/l]*	*0.00506767[mg/l]*	*0.00839643[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2265290	17325.80000000	119885	945245	19285300	180011	265615
Int RSD	*1.42380004*	*0.39032079*	*1.57224840*	*0.34943639*	*0.44324174*	*4.52887324*	*0.54147921*
Int SD	*32253.20000000*	*67.62620000*	*1884.89000000*	*3303.03000000*	*85480.50000000*	*8152.47000000*	*1438.25000000*
RelInt Mean	0.11572700	0.01592730	0.00584405	---	---	---	0.27932900
RelInt RSD	*1.07862469*	*0.80959108*	*1.42747239*	---	---	---	*0.33132364*
RelInt SD	*0.00124826*	*0.00012895*	*0.00008342*	---	---	---	*0.00092548*
Conc Mean	1.01870000[mg/l]	0.99772100[mg/l]	1.01089000[mg/l]	939569	19236200	179669	0.93372600[mg/l]
Conc RSD	*1.07817807*	*0.80984564*	*1.44841674*	---	---	---	*0.33185860*
Conc SD	*0.01098340[mg/l]*	*0.00808000[mg/l]*	*0.01464190[mg/l]*	*3306.25000000*	*85704.50000000*	*8124.58000000*	*0.00309865[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	53959.40000000	115900	359649	171415	287658	81246.50000000	
Int RSD	*1.24457462*	*5.17332183*	*0.28809478*	*0.39025114*	*0.45876006*	*0.11058212*	
Int SD	*671.56500000*	*5995.88000000*	*1036.13000000*	*668.94900000*	*1319.66000000*	*89.84410000*	
RelInt Mean	0.29980700	0.62920500	0.37739200	0.17950500	0.30092400	0.08305650	
RelInt RSD	*4.60482911*	*9.74466191*	*0.16124587*	*0.25472271*	*0.14604884*	*0.23538194*	
RelInt SD	*0.01380560*	*0.06131390*	*0.00060853*	*0.00045724*	*0.00043950*	*0.00019550*	
Conc Mean	0.96517900[mg/l]	0.80566400[mg/l]	5.27229000[mg/l]	5.47855000[mg/l]	1.03587000[mg/l]	5.66803000[mg/l]	
Conc RSD	*4.59851489*	*9.76521230*	*0.16303333*	*0.25467140*	*0.14523058*	*0.23542924*	
Conc SD	*0.04438390[mg/l]*	*0.07867480[mg/l]*	*0.00859559[mg/l]*	*0.01395230[mg/l]*	*0.00150440[mg/l]*	*0.01334420[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303028 File : met06_master Time : 20-SEP-2022 11:12
Cal : 482379303001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	20333000	3.13
Yttrium	A	959140	991573	3.38
Yttrium	R	157179	170870	8.71

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-09-20 11:12:31	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	31352.10000000	847.37900000	2014.05000000	4777.75000000	4440.84000000	17.54220000	4182.76000000
Int RSD	*1.23612134*	*4.30376490*	*0.89156674*	*0.95381089*	*0.71082048*	*260.88803001*	*0.31817030*
Int SD	*387.55000000*	*36.46920000*	*17.95660000*	*45.57070000*	*31.56640000*	*45.76550000*	*13.30830000*
RelInt Mean	0.00003102	0.00301487	-0.00007026	0.00083384	0.00011662	-0.00024031	0.00003209
RelInt RSD	*25.53945956*	*5.53741952*	*49.59348899*	*3.83389539*	*10.66043560*	*178.46647441*	*117.62867452*
RelInt SD	*0.00000792*	*0.00016695*	*0.00003484*	*0.00003197*	*0.00001243*	*0.00042887*	*0.00003775*
Conc Mean	<0.00031692[mg/l]	<-0.07946840[mg/l]	<-0.00092851[mg/l]	<0.00136295[mg/l]	<-0.00003583[mg/l]	<-0.00139820[mg/l]	<-0.00007469[mg/l]
Conc RSD	*95.22437698*	*20.31121804*	*188.06151792*	*25.46667156*	*101.52768706*	*2089.54369904*	*278.22588204*
Conc SD	*0.00030179[mg/l]*	*0.01614100[mg/l]*	*0.00174617[mg/l]*	*0.00034710[mg/l]*	*0.00003637[mg/l]*	*0.02921600[mg/l]*	*0.00020779[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4023.19000000	34110.60000000	6909.34000000	-188.34100000	514.89000000	5107.24000000	2798.99000000
Int RSD	*0.66775618*	*0.38247641*	*3.37334680*	*39.43485486*	*34.10495446*	*0.90562417*	*4.77418640*
Int SD	*26.86510000*	*130.46500000*	*233.07600000*	*74.27200000*	*175.60300000*	*46.25240000*	*133.62900000*
RelInt Mean	0.00007185	0.00029140	0.00180700	-0.00055814	-0.00063428	-0.00002793	0.00029150
RelInt RSD	*39.29157005*	*7.51977543*	*12.41455451*	*52.79642098*	*174.85447975*	*196.61762758*	*45.93880680*
RelInt SD	*0.00002823*	*0.00002191*	*0.00022433*	*0.00029468*	*0.00110906*	*0.00005492*	*0.00013391*
Conc Mean	<0.00004179[mg/l]	<0.00117682[mg/l]	0.00273702[mg/l]	<-0.02733430[mg/l]	<0.07272600[mg/l]	<-0.00003420[mg/l]	0.00216055[mg/l]
Conc RSD	*475.07903346*	*48.46306147*	*26.64631607*	*101.01959809*	*291.20397107*	*102.15834491*	*42.91606304*
Conc SD	*0.00019852[mg/l]*	*0.00057032[mg/l]*	*0.00072931[mg/l]*	*0.02761300[mg/l]*	*0.21178100[mg/l]*	*0.00003494[mg/l]*	*0.00092722[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	8788.13000000	4659.54000000	4315.05000000	2944.56000000	2172.40000000	2302.10000000	206.49100000
Int RSD	*2.46303821*	*0.36061285*	*0.52158144*	*0.82138248*	*1.24429663*	*5.89961340*	*51.89572427*
Int SD	*216.45500000*	*16.80290000*	*22.50650000*	*24.18610000*	*27.03110000*	*135.81500000*	*107.16000000*
RelInt Mean	0.02802540	0.00021950	-0.00004438	0.00001364	0.00002740	0.00033183	-0.00049449
RelInt RSD	*0.76776781*	*6.84727246*	*39.28050745*	*125.66075095*	*110.00945321*	*42.62161201*	*82.60321787*
RelInt SD	*0.00021517*	*0.00001503*	*0.00001743*	*0.00001714*	*0.00003014*	*0.00014143*	*0.00040846*
Conc Mean	<-0.00909474[mg/l]	<0.00029889[mg/l]	<-0.00065040[mg/l]	<0.00117917[mg/l]	<0.00079092[mg/l]	0.00581426[mg/l]	<0.00021321[mg/l]
Conc RSD	*23.59825570*	*42.22049731*	*80.33862134*	*63.42300092*	*197.94441656*	*45.39287889*	*144.05140472*
Conc SD	*0.00214620[mg/l]*	*0.00012619[mg/l]*	*0.00052252[mg/l]*	*0.00074787[mg/l]*	*0.00156558[mg/l]*	*0.00263926[mg/l]*	*0.00030713[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	40120.60000000	1958.50000000	8156.55000000	991573	20333000	170870	2954.61000000
Int RSD	*3.15247030*	*0.42592852*	*1.28189001*	*0.22746787*	*0.72186101*	*2.14822965*	*0.28015948*
Int SD	*1264.79000000*	*8.34181000*	*104.55800000*	*2255.51000000*	*146776*	*3670.68000000*	*8.27762000*
RelInt Mean	0.00028113	-0.00006577	0.00008624	---	---	---	0.00019695
RelInt RSD	*28.03641680*	*25.28687571*	*10.85449621*	---	---	---	*6.77452603*
RelInt SD	*0.00007882*	*0.00001663*	*0.00000936*	---	---	---	*0.00001334*
Conc Mean	0.00256371[mg/l]	<0.00140880[mg/l]	<0.00073236[mg/l]	986271	20286100	170533	<-0.00000927[mg/l]
Conc RSD	*27.06078301*	*73.63074957*	*224.29815938*	---	---	---	*481.15230953*
Conc SD	*0.00069376[mg/l]*	*0.00103731[mg/l]*	*0.00164267[mg/l]*	*2237.48000000*	*146791*	*3692.60000000*	*0.00004462[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-25.43940000	2725.18000000	4825.79000000	2304.73000000	4221.98000000	2909.03000000	
Int RSD	*164.39460050*	*5.68542261*	*0.71375878*	*0.33415801*	*0.50110612*	*0.22627886*	
Int SD	*41.82100000*	*154.93800000*	*34.44450000*	*7.70144000*	*21.15660000*	*6.58252000*	
RelInt Mean	-0.00062222	0.00221766	0.00064409	0.00010353	0.00007338	0.00009191	
RelInt RSD	*25.95512841*	*60.32574876*	*8.05802632*	*3.75169762*	*90.84975158*	*6.29069726*	
RelInt SD	*0.00016150*	*0.00133782*	*0.00005190*	*0.00000388*	*0.00006667*	*0.00000578*	
Conc Mean	<-0.00062587[mg/l]	<0.00114201[mg/l]	<-0.00056125[mg/l]	<-0.00012795[mg/l]	<0.00000193[mg/l]	0.00653852[mg/l]	
Conc RSD	*82.95279516*	*150.31654714*	*126.29549650*	*92.70389621*	*11721.43227815*	*6.03401075*	
Conc SD	*0.00051917[mg/l]*	*0.00171663[mg/l]*	*0.00070884[mg/l]*	*0.00011861[mg/l]*	*0.00022587[mg/l]*	*0.00039453[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303039 File : met06_master Time : 20-SEP-2022 11:48
Cal : 482379303001 Caldate : 20-SEP-2022
Standards: S17211, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0332	0.0336	1.000	1.015	mg/l	1	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	19601500	-0.58
Yttrium	A	959140	970449	1.18
Yttrium	R	157179	194852	23.97

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024			Sample Type: Control Sample
Measure Date: 2022-09-20 11:48:29	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	292485	3892.43000000	22972.70000000	95108.70000000	315972	308486	175725
Int RSD	*0.38564029*	*1.90855327*	*0.57502166*	*0.27418943*	*0.18366786*	*2.07636651*	*0.12522293*
Int SD	*1127.94000000*	*74.28910000*	*132.09800000*	*260.77800000*	*580.33900000*	*6405.30000000*	*220.04800000*
RelInt Mean	0.01326260	0.01172350	0.02123690	0.09375330	0.32232300	1.58645000	0.17705000
RelInt RSD	*0.74028396*	*2.54284983*	*0.51607344*	*0.20671272*	*0.35024494*	*0.29309338*	*0.14932448*
RelInt SD	*0.00009818*	*0.00029811*	*0.00010960*	*0.00019380*	*0.00112892*	*0.00464978*	*0.00026438*
Conc Mean	0.50442200[mg/l]	0.76253200[mg/l]	1.06608000[mg/l]	1.01024000[mg/l]	0.99157300[mg/l]	108.08800000[mg/l]	0.96742900[mg/l]
Conc RSD	*0.74166273*	*3.78009054*	*0.51486380*	*0.20857816*	*0.35139016*	*0.29307971*	*0.15177755*
Conc SD	*0.00374111[mg/l]*	*0.02882440[mg/l]*	*0.00548886[mg/l]*	*0.00210714[mg/l]*	*0.00348429[mg/l]*	*0.31678400[mg/l]*	*0.00146834[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	139940	769212	308618	143749	99751.20000000	1507160	141258
Int RSD	*0.40087109*	*0.92176799*	*0.05709226*	*1.40761327*	*0.66797793*	*0.25059781*	*0.45708703*
Int SD	*560.97900000*	*7090.35000000*	*176.19700000*	*2023.43000000*	*666.31600000*	*3776.91000000*	*645.67200000*
RelInt Mean	0.14011200	0.03769460	0.31379400	0.73924300	0.50795100	1.55619000	0.14331500
RelInt RSD	*0.30372630*	*1.25465186*	*0.25414253*	*3.16458864*	*2.26175359*	*0.44084398*	*0.38526812*
RelInt SD	*0.00042556*	*0.00047294*	*0.00079748*	*0.02339400*	*0.01148860*	*0.00686037*	*0.00055215*
Conc Mean	0.98484600[mg/l]	0.97467200[mg/l]	1.01703000[mg/l]	69.29610000[mg/l]	97.19000000[mg/l]	0.98998700[mg/l]	0.99246200[mg/l]
Conc RSD	*0.30367590*	*1.26289665*	*0.25495118*	*3.16348250*	*2.25723840*	*0.44084518*	*0.38537899*
Conc SD	*0.00299074[mg/l]*	*0.01230910[mg/l]*	*0.00259293[mg/l]*	*2.19217000[mg/l]*	*2.19381000[mg/l]*	*0.00436431[mg/l]*	*0.00382474[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1219140	117132	37434.00000000	25785.00000000	20502.20000000	259074	261878
Int RSD	*0.53386404*	*0.16246201*	*0.20000748*	*0.35143029*	*0.57460175*	*0.03820325*	*1.98371379*
Int SD	*6508.55000000*	*190.29500000*	*74.87080000*	*90.61630000*	*117.80600000*	*98.97470000*	*5194.91000000*
RelInt Mean	6.23072000	0.11602400	0.03364320	0.02321270	0.01866640	0.26615200	1.34494000
RelInt RSD	*1.73483963*	*0.07101755*	*0.02012963*	*0.37961762*	*0.79110594*	*0.22871592*	*0.28714664*
RelInt SD	*0.10809300*	*0.00008240*	*0.00000677*	*0.00008812*	*0.00014767*	*0.00060873*	*0.00386195*
Conc Mean	61.86150000[mg/l]	0.97258800[mg/l]	1.01456000[mg/l]	1.00647000[mg/l]	0.96895200[mg/l]	4.96621000[mg/l]	1.01188000[mg/l]
Conc RSD	*1.74295806*	*0.07113989*	*0.02030378*	*0.37975399*	*0.79147058*	*0.22883446*	*0.28716745*
Conc SD	*1.07822000[mg/l]*	*0.00069190[mg/l]*	*0.00020599[mg/l]*	*0.00382211[mg/l]*	*0.00766897[mg/l]*	*0.01136440[mg/l]*	*0.00290579[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2300120	17590.40000000	122500	970449	19601500	194852	274008
Int RSD	*1.13410170*	*0.40692651*	*1.18695510*	*0.20526272*	*0.36335995*	*1.98491676*	*0.16989869*
Int SD	*26085.70000000*	*71.58000000*	*1454.02000000*	*1991.97000000*	*71224.00000000*	*3867.65000000*	*465.53600000*
RelInt Mean	0.11557500	0.01572940	0.00587260	---	---	---	0.28064400
RelInt RSD	*1.50934891*	*0.62742444*	*1.59283452*	---	---	---	*0.31763373*
RelInt SD	*0.00174443*	*0.00009869*	*0.00009354*	---	---	---	*0.00089142*
Conc Mean	1.01736000[mg/l]	0.98535500[mg/l]	1.01590000[mg/l]	964569	19550500	194380	0.93813100[mg/l]
Conc RSD	*1.50937721*	*0.63176825*	*1.61587755*	---	---	---	*0.31791829*
Conc SD	*0.01535580[mg/l]*	*0.00622516[mg/l]*	*0.01641570[mg/l]*	*2007.43000000*	*71357.90000000*	*3918.04000000*	*0.00298249[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	61210.20000000	105617	367063	175634	293654	83232.20000000	
Int RSD	*1.75078663*	*0.54324588*	*0.10917799*	*0.25223647*	*0.14869030*	*0.24933379*	
Int SD	*1071.66000000*	*573.76000000*	*400.75200000*	*443.01300000*	*436.63500000*	*207.52600000*	
RelInt Mean	0.31428900	0.52538400	0.37517400	0.17917300	0.29918800	0.08290650	
RelInt RSD	*3.48924079*	*1.44981575*	*0.13654811*	*0.08912001*	*0.13498937*	*0.08612666*	
RelInt SD	*0.01096630*	*0.00761710*	*0.00051229*	*0.00015968*	*0.00040387*	*0.00007140*	
Conc Mean	1.01174000[mg/l]	0.67244600[mg/l]	5.24129000[mg/l]	5.46841000[mg/l]	1.02985000[mg/l]	5.65779000[mg/l]	
Conc RSD	*3.48471939*	*1.45356058*	*0.13865709*	*0.08917546*	*0.13678982*	*0.08611878*	
Conc SD	*0.03525630[mg/l]*	*0.00977441[mg/l]*	*0.00726742[mg/l]*	*0.00487648[mg/l]*	*0.00140873[mg/l]*	*0.00487242[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303040 File : met06_master Time : 20-SEP-2022 11:51
Cal : 482379303001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	20507700	4.01
Yttrium	A	959140	1013990	5.72
Yttrium	R	157179	201613	28.27

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-09-20 11:51:44	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	32251.60000000	854.81700000	2087.36000000	4967.94000000	4613.50000000	94.11630000	4315.35000000
Int RSD	*0.65465279*	*8.31850560*	*0.97485340*	*0.58846926*	*0.53294895*	*63.76971895*	*1.08454934*
Int SD	*211.13600000*	*71.10800000*	*20.34870000*	*29.23480000*	*24.58760000*	*60.01770000*	*46.80210000*
RelInt Mean	0.00002232	0.00229231	-0.00005789	0.00082754	0.00011444	0.00039690	0.00001462
RelInt RSD	*46.59968811*	*14.29963661*	*34.52916657*	*0.94822703*	*39.60870667*	*48.65458650*	*284.05058616*
RelInt SD	*0.00001040*	*0.00032779*	*0.00001999*	*0.00000785*	*0.00004533*	*0.00019311*	*0.00004153*
Conc Mean	<-0.00001453[mg/l]	<-0.14932900[mg/l]	<-0.00030880[mg/l]	<0.00129455[mg/l]	<-0.00004333[mg/l]	<0.04201080[mg/l]	<-0.00017053[mg/l]
Conc RSD	*2727.07186123*	*21.22347300*	*324.37727491*	*6.58105133*	*317.03731398*	*31.31432870*	*133.87283101*
Conc SD	*0.00039619[mg/l]*	*0.03169280[mg/l]*	*0.00100169[mg/l]*	*0.00008520[mg/l]*	*0.00013737[mg/l]*	*0.01315540[mg/l]*	*0.00022829[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4184.73000000	35047.50000000	6303.85000000	-85.87060000	694.53500000	5304.06000000	2929.54000000
Int RSD	*0.31283739*	*0.98371638*	*1.86711295*	*91.82921745*	*13.48859309*	*0.27177671*	*4.06196877*
Int SD	*13.09140000*	*344.76800000*	*117.70000000*	*78.85430000*	*93.68300000*	*14.41520000*	*118.99700000*
RelInt Mean	0.00008376	0.00029656	0.00097257	-0.00011109	-0.00033158	-0.00001137	0.00032199
RelInt RSD	*43.46715250*	*11.58636759*	*13.69288206*	*210.63523354*	*144.96196973*	*66.99425929*	*36.71062194*
RelInt SD	*0.00003641*	*0.00003436*	*0.00013317*	*0.00023400*	*0.00048066*	*0.00000762*	*0.00011821*
Conc Mean	<0.00012557[mg/l]	<0.00131117[mg/l]	<0.00002421[mg/l]	<0.01455670[mg/l]	<0.13052800[mg/l]	<-0.00002367[mg/l]	0.00237167[mg/l]
Conc RSD	*203.90070640*	*68.20641107*	*1788.59961497*	*150.63304183*	*70.31855234*	*20.48530561*	*34.51002880*
Conc SD	*0.00025603[mg/l]*	*0.00089430[mg/l]*	*0.00043295[mg/l]*	*0.02192720[mg/l]*	*0.09178540[mg/l]*	*0.00000485[mg/l]*	*0.00081846[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10283.40000000	4800.28000000	4499.51000000	3067.16000000	2256.47000000	2365.06000000	249.44400000
Int RSD	*1.02207441*	*0.18115839*	*0.81689117*	*0.90267870*	*1.63913103*	*5.03834998*	*15.20309168*
Int SD	*105.10400000*	*8.69611000*	*36.75610000*	*27.68660000*	*36.98650000*	*119.16000000*	*37.92320000*
RelInt Mean	0.02891080	0.00019604	-0.00002032	0.00002952	0.00001661	0.00032255	-0.00053946
RelInt RSD	*1.53817604*	*5.76730615*	*110.90471479*	*93.95733754*	*115.62631725*	*38.26066198*	*82.79965150*
RelInt SD	*0.00044470*	*0.00001131*	*0.00002253*	*0.00002774*	*0.00001920*	*0.00012341*	*0.00044667*
Conc Mean	<-0.00026257[mg/l]	<0.00010193[mg/l]	<0.00008879[mg/l]	<0.00187094[mg/l]	<0.00023038[mg/l]	0.00564099[mg/l]	<0.00017939[mg/l]
Conc RSD	*1689.33329271*	*93.13227835*	*771.15332203*	*64.61083733*	*432.93803581*	*40.82457157*	*187.21926475*
Conc SD	*0.00443575[mg/l]*	*0.00009493[mg/l]*	*0.00068472[mg/l]*	*0.00120883[mg/l]*	*0.00099738[mg/l]*	*0.00230291[mg/l]*	*0.00033586[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	41495.30000000	2029.80000000	8388.06000000	1013990	20507700	201613	3099.83000000
Int RSD	*2.50630794*	*1.35262587*	*0.51072477*	*0.31704553*	*0.94980422*	*3.27524515*	*0.55809512*
Int SD	*1040.00000000*	*27.45560000*	*42.83990000*	*3214.81000000*	*194783*	*6603.32000000*	*17.30000000*
RelInt Mean	0.00029292	-0.00006488	0.00008162	---	---	---	0.00025420
RelInt RSD	*22.23817262*	*47.78915601*	*4.16973162*	---	---	---	*7.45214360*
RelInt SD	*0.00006514*	*0.00003101*	*0.00000340*	---	---	---	*0.00001894*
Conc Mean	0.00266747[mg/l]	<0.00146363[mg/l]	<-0.00007892[mg/l]	1008510	20459500	201176	<0.00018227[mg/l]
Conc RSD	*21.49429984*	*132.42007885*	*756.50712835*	---	---	---	*34.73076100*
Conc SD	*0.00057335[mg/l]*	*0.00193814[mg/l]*	*0.00059702[mg/l]*	*3282.63000000*	*195159*	*6598.17000000*	*0.00006330[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-20.03340000	3174.04000000	4982.46000000	2380.10000000	4349.30000000	2903.59000000	
Int RSD	*238.58656044*	*4.88002672*	*0.57475825*	*1.42827612*	*0.78356977*	*0.63490369*	
Int SD	*47.79700000*	*154.89400000*	*28.63710000*	*33.99440000*	*34.07980000*	*18.43500000*	
RelInt Mean	-0.00066573	0.00155002	0.00059401	0.00012531	0.00005633	0.00003320	
RelInt RSD	*66.77461801*	*22.81144759*	*6.56229693*	*16.60192005*	*23.87431767*	*75.42372116*	
RelInt SD	*0.00044454*	*0.00035358*	*0.00003898*	*0.00002080*	*0.00001345*	*0.00002504*	
Conc Mean	<-0.00076575[mg/l]	<0.00028533[mg/l]	<-0.00126985[mg/l]	<0.00053722[mg/l]	<-0.00005926[mg/l]	<0.00253233[mg/l]	
Conc RSD	*186.62536500*	*159.01305529*	*43.88297830*	*118.25922017*	*80.59328713*	*67.47777738*	
Conc SD	*0.00142908[mg/l]*	*0.00045370[mg/l]*	*0.00055725[mg/l]*	*0.00063531[mg/l]*	*0.00004776[mg/l]*	*0.00170876[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303051 File : met06_master Time : 20-SEP-2022 12:29
Cal : 482379303001 Caldate : 20-SEP-2022
Standards: S17211, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0332	0.0338	1.000	1.019	mg/l	2	10	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	19909800	0.98
Yttrium	A	959140	995829	3.83
Yttrium	R	157179	211450	34.53

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17024			Sample Type: Control Sample
Measure Date: 2022-09-20 12:29:27	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	300235	4218.05000000	23506.50000000	96779.10000000	324397	341595	181299
Int RSD	*0.96367845*	*4.78453314*	*1.08908174*	*0.34264629*	*0.17175652*	*1.79468376*	*0.38009972*
Int SD	*2893.30000000*	*201.81400000*	*256.00500000*	*331.61000000*	*557.17300000*	*6130.55000000*	*689.11700000*
RelInt Mean	0.01336310	0.01128660	0.02112130	0.09280580	0.32239400	1.61913000	0.17794100
RelInt RSD	*1.37105163*	*5.06851488*	*1.44198984*	*0.53544714*	*0.14630886*	*0.13534305*	*0.10025626*
RelInt SD	*0.00018322*	*0.00057206*	*0.00030457*	*0.00049693*	*0.00047169*	*0.00219138*	*0.00017840*
Conc Mean	0.50825100[mg/l]	0.72028800[mg/l]	1.06029000[mg/l]	0.99995600[mg/l]	0.99179700[mg/l]	110.31500000[mg/l]	0.97230000[mg/l]
Conc RSD	*1.37337654*	*7.67923386*	*1.43964387*	*0.53938573*	*0.14621036*	*0.13563251*	*0.10188656*
Conc SD	*0.00698020[mg/l]*	*0.05531260[mg/l]*	*0.01526440[mg/l]*	*0.00539362[mg/l]*	*0.00145011[mg/l]*	*0.14962300[mg/l]*	*0.00099064[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	143233	783774	314767	129370	104518	1541560	144880
Int RSD	*0.30195555*	*1.51030782*	*0.26268637*	*2.53130556*	*1.17563482*	*0.09406705*	*0.20504348*
Int SD	*432.50000000*	*11837.40000000*	*826.85000000*	*3274.75000000*	*1228.75000000*	*1450.10000000*	*297.06700000*
RelInt Mean	0.13958700	0.03776750	0.31174200	0.61326200	0.48991800	1.55122000	0.14319500
RelInt RSD	*0.19074269*	*1.64139803*	*0.14612051*	*4.38681999*	*0.81335448*	*0.35727234*	*0.32842627*
RelInt SD	*0.00026625*	*0.00061991*	*0.00045552*	*0.02690270*	*0.00398477*	*0.00554208*	*0.00047029*
Conc Mean	0.98114700[mg/l]	0.97657200[mg/l]	1.01036000[mg/l]	57.49100000[mg/l]	93.74660000[mg/l]	0.98682500[mg/l]	0.99163700[mg/l]
Conc RSD	*0.19074919*	*1.65218745*	*0.14657746*	*4.38498200*	*0.81164864*	*0.35726497*	*0.32839940*
Conc SD	*0.00187153[mg/l]*	*0.01613480[mg/l]*	*0.00148096[mg/l]*	*2.52097000[mg/l]*	*0.76089300[mg/l]*	*0.00352558[mg/l]*	*0.00325653[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1143790	121076	38664.90000000	26706.60000000	21172.50000000	267514	282164
Int RSD	*1.31393875*	*0.25186329*	*0.50372560*	*0.79988093*	*0.26583587*	*0.18924879*	*1.57026056*
Int SD	*15028.70000000*	*304.94600000*	*194.76500000*	*213.62100000*	*56.28410000*	*506.26700000*	*4430.71000000*
RelInt Mean	5.38776000	0.11677700	0.03377760	0.02336970	0.01871990	0.26780200	1.33558000
RelInt RSD	*3.16283576*	*0.09730940*	*0.50887570*	*0.75080981*	*0.63920747*	*0.20614783*	*0.51149688*
RelInt SD	*0.17040600*	*0.00011364*	*0.00017189*	*0.00017546*	*0.00011966*	*0.00055207*	*0.00683145*
Conc Mean	53.45320000[mg/l]	0.97891400[mg/l]	1.01862000[mg/l]	1.01333000[mg/l]	0.97173000[mg/l]	4.99701000[mg/l]	1.00484000[mg/l]
Conc RSD	*3.17992188*	*0.09734389*	*0.50763778*	*0.75591466*	*0.63950583*	*0.20611125*	*0.51143864*
Conc SD	*1.69977000[mg/l]*	*0.00095291[mg/l]*	*0.00517090[mg/l]*	*0.00765991[mg/l]*	*0.00621427[mg/l]*	*0.01029940[mg/l]*	*0.00513914[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2347410	18069.30000000	125847	995829	19909800	211450	285495
Int RSD	*1.37652136*	*0.43109694*	*1.18498653*	*0.30684585*	*0.88486072*	*1.89330338*	*0.25190599*
Int SD	*32312.60000000*	*77.89620000*	*1491.27000000*	*3055.66000000*	*176174*	*4003.39000000*	*719.17900000*
RelInt Mean	0.11608400	0.01568660	0.00592622	---	---	---	0.28497000
RelInt RSD	*1.22174460*	*0.62564737*	*1.18021774*	---	---	---	*0.09609222*
RelInt SD	*0.00141825*	*0.00009814*	*0.00006994*	---	---	---	*0.00027383*
Conc Mean	1.02184000[mg/l]	0.98266400[mg/l]	1.02531000[mg/l]	989644	19856900	210894	0.95261100[mg/l]
Conc RSD	*1.22146324*	*0.62274287*	*1.19704285*	---	---	---	*0.09596729*
Conc SD	*0.01248140[mg/l]*	*0.00611947[mg/l]*	*0.01227340[mg/l]*	*3097.52000000*	*175993*	*3969.89000000*	*0.00091419[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	67201.20000000	94590.50000000	375499	181855	301094	86018.20000000	
Int RSD	*2.30242912*	*0.41685053*	*0.08586068*	*0.32628138*	*0.37662325*	*0.36229193*	
Int SD	*1547.26000000*	*394.30100000*	*322.40600000*	*593.35900000*	*1133.99000000*	*311.63700000*	
RelInt Mean	0.31783900	0.43029600	0.37392900	0.18082400	0.29882500	0.08350520	
RelInt RSD	*1.15620172*	*2.26306542*	*0.42276475*	*0.10493076*	*0.28251150*	*0.46844628*	
RelInt SD	*0.00367486*	*0.00973788*	*0.00158084*	*0.00018974*	*0.00084422*	*0.00039118*	
Conc Mean	1.02314000[mg/l]	0.55043300[mg/l]	5.22381000[mg/l]	5.51881000[mg/l]	1.02862000[mg/l]	5.69865000[mg/l]	
Conc RSD	*1.15440702*	*2.26999471*	*0.42404682*	*0.10486572*	*0.27939861*	*0.46838813*	
Conc SD	*0.01181120[mg/l]*	*0.01249480[mg/l]*	*0.02215140[mg/l]*	*0.00578734[mg/l]*	*0.00287395[mg/l]*	*0.02669180[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482379303052 File : met06_master Time : 20-SEP-2022 12:32
Cal : 482379303001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 003)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	19716600	20861000	5.80
Yttrium	A	959140	1040450	8.48
Yttrium	R	157179	213275	35.69

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1	Sample Type: Control Sample		
Measure Date: 2022-09-20 12:32:41	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	33874.40000000	973.64000000	2213.63000000	4975.97000000	4867.00000000	167.69100000	4551.48000000
Int RSD	*0.71140153*	*5.64879216*	*0.29431386*	*0.49274413*	*0.20825354*	*35.08435158*	*0.73322084*
Int SD	*240.98300000*	*54.99890000*	*6.51502000*	*24.51880000*	*10.13570000*	*58.83330000*	*33.37240000*
RelInt Mean	0.00002185	0.00229454	-0.00006650	0.00057604	0.00012073	0.00030616	-0.00000009
RelInt RSD	*40.72049434*	*10.75662224*	*25.78512695*	*5.33975998*	*27.90968501*	*134.21022547*	*24808.94354744*
RelInt SD	*0.00000890*	*0.00024682*	*0.00001715*	*0.00003076*	*0.00003370*	*0.00041089*	*0.00002180*
Conc Mean	<-0.00003236[mg/l]	<-0.14911400[mg/l]	<-0.00074000[mg/l]	<-0.00143610[mg/l]	<-0.00002415[mg/l]	<0.03582880[mg/l]	<-0.00025111[mg/l]
Conc RSD	*1047.37801675*	*16.00372869*	*116.11119444*	*23.25534434*	*425.39967786*	*78.12541866*	*47.38875216*
Conc SD	*0.00033894[mg/l]*	*0.02386380[mg/l]*	*0.00085922[mg/l]*	*0.00033397[mg/l]*	*0.00010274[mg/l]*	*0.02799140[mg/l]*	*0.00011900[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4389.33000000	36587.90000000	6411.86000000	26.50920000	836.98300000	5584.93000000	3119.49000000
Int RSD	*0.82940677*	*2.42125675*	*2.64525426*	*346.22772471*	*8.57145247*	*0.63724344*	*3.75279292*
Int SD	*36.40540000*	*885.88700000*	*169.61000000*	*91.78220000*	*71.74160000*	*35.58960000*	*117.06800000*
RelInt Mean	0.00004060	0.00029091	0.00078252	0.00035867	-0.00059273	0.00001748	0.00033215
RelInt RSD	*61.93384725*	*9.10084666*	*22.13056724*	*87.22049360*	*7.92774463*	*271.96746535*	*39.14603819*
RelInt SD	*0.00002515*	*0.00002648*	*0.00017318*	*0.00031283*	*0.00004699*	*0.00004755*	*0.00013002*
Conc Mean	<-0.00017792[mg/l]	<0.00116407[mg/l]	<-0.00059365[mg/l]	0.05857590[mg/l]	<0.08065960[mg/l]	<-0.00000531[mg/l]	0.00244196[mg/l]
Conc RSD	*99.39131314*	*59.19455016*	*94.83870968*	*50.04464293*	*11.12461505*	*569.96717580*	*36.86739341*
Conc SD	*0.00017684[mg/l]*	*0.00068907[mg/l]*	*0.00056301[mg/l]*	*0.02931410[mg/l]*	*0.00897307[mg/l]*	*0.00003025[mg/l]*	*0.00090029[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12602.10000000	5034.46000000	4720.06000000	3255.50000000	2382.09000000	2504.38000000	399.12900000
Int RSD	*1.77464867*	*0.54716693*	*1.28589891*	*0.87594840*	*1.82118224*	*5.09599182*	*7.38996665*
Int SD	*223.64300000*	*27.54690000*	*60.69520000*	*28.51650000*	*43.38220000*	*127.62300000*	*29.49550000*
RelInt Mean	0.03506200	0.00018092	-0.00004741	0.00004475	0.00000730	0.00032937	-0.00040494
RelInt RSD	*2.64398209*	*27.92101263*	*85.94385727*	*51.55979416*	*336.32948329*	*41.44098466*	*39.21578312*
RelInt SD	*0.00092703*	*0.00005051*	*0.00004075*	*0.00002307*	*0.00002454*	*0.00013650*	*0.00015880*
Conc Mean	0.06109450[mg/l]	<-0.00002509[mg/l]	<-0.00072791[mg/l]	<0.00253659[mg/l]	<-0.00025324[mg/l]	0.00576834[mg/l]	<0.00028054[mg/l]
Conc RSD	*15.13583056*	*1690.54490374*	*169.37214421*	*39.65047564*	*503.32294789*	*44.15655110*	*42.56230752*
Conc SD	*0.00924716[mg/l]*	*0.00042411[mg/l]*	*0.00123287[mg/l]*	*0.00100577[mg/l]*	*0.00127461[mg/l]*	*0.00254710[mg/l]*	*0.00011941[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	43465.60000000	2147.68000000	8753.66000000	1040450	20861000	213275	3275.58000000
Int RSD	*4.65625690*	*0.92536132*	*2.39020021*	*0.45797684*	*0.92249173*	*1.43654906*	*0.19619090*
Int SD	*2023.87000000*	*19.87380000*	*209.23000000*	*4765.02000000*	*192441*	*3063.80000000*	*6.42639000*
RelInt Mean	0.00029569	-0.00004247	0.00007639	---	---	---	0.00025876
RelInt RSD	*28.29409179*	*10.31023612*	*2.12994646*	---	---	---	*2.06899057*
RelInt SD	*0.00008366*	*0.00000438*	*0.00000163*	---	---	---	*0.00000535*
Conc Mean	0.00269184[mg/l]	0.00286653[mg/l]	<-0.00099665[mg/l]	1034740	20810700	212691	<0.00019769[mg/l]
Conc RSD	*27.35604642*	*9.42767039*	*28.62012016*	---	---	---	*9.09152988*
Conc SD	*0.00073638[mg/l]*	*0.00027025[mg/l]*	*0.00028524[mg/l]*	*4707.19000000*	*192544*	*3097.57000000*	*0.00001797[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	49.45520000	3650.73000000	5266.69000000	2485.13000000	4616.33000000	3001.92000000	
Int RSD	*129.06428444*	*3.34078390*	*0.20049405*	*1.25495246*	*0.82150973*	*1.19250013*	
Int SD	*63.82900000*	*121.96300000*	*10.55940000*	*31.18720000*	*37.92360000*	*35.79790000*	
RelInt Mean	-0.00069086	0.00159320	0.00063185	0.00010718	0.00008195	0.00000273	
RelInt RSD	*38.46576953*	*5.88418905*	*4.78986968*	*23.83144086*	*66.07789850*	*1317.48481402*	
RelInt SD	*0.00026575*	*0.00009375*	*0.00003026*	*0.00002554*	*0.00005415*	*0.00003603*	
Conc Mean	<-0.00084654[mg/l]	<0.00034072[mg/l]	<-0.00073963[mg/l]	<-0.00001644[mg/l]	<0.00003083[mg/l]	<0.00045338[mg/l]	
Conc RSD	*100.91750380*	*35.30354391*	*55.18887121*	*4744.33131402*	*613.29851932*	*542.23968132*	
Conc SD	*0.00085430[mg/l]*	*0.00012029[mg/l]*	*0.00040819[mg/l]*	*0.00078002[mg/l]*	*0.00018908[mg/l]*	*0.00245839[mg/l]*	

Enthalpy Sequence Summary for Sequence 672379380

Instrument : MET09 Begun : 09/20/22 11:00
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				09/20/22 11:00	1.0		
002	icp data	ICALBLK				09/20/22 11:04	1.0		
003	icp data	ICAL	L1			09/20/22 11:07	1.0	1	
004	icp data	ICAL	L2			09/20/22 11:11	1.0	2	
005	icp data	ICAL	L3			09/20/22 11:14	1.0	2	
006	icp data	ICAL	L4			09/20/22 11:17	1.0	3	
007	icp data	ICAL	L5			09/20/22 11:21	1.0	4	
008	icp data	ICAL	L6			09/20/22 11:24	1.0	4	
009	icp data	ICAL	L7			09/20/22 11:28	1.0	5	
010	icp data	ICAL	L8			09/20/22 11:31	1.0	6	
011	icp data	ICAL	L9			09/20/22 11:34	1.0	7	
012	icp data	ICAL	L10			09/20/22 11:38	1.0	8	
013	icp data	ICV				09/20/22 11:41	1.0	9	
014	icp data	ICB				09/20/22 11:44	1.0		
015	icp data	CRI				09/20/22 11:48	1.0	10	
016	icp data	ICSA				09/20/22 11:51	1.0	11	8:MGASMGCO3=1400
017	icp data	ICSAB				09/20/22 11:55	1.0	12	8:MGASMGCO3=1500
018	icp data	SAMPLE	469257-044	Wipe	297250	09/20/22 11:58	1.0		1:FE=75
019	icp data	SAMPLE	469270-002	Wipe	297250	09/20/22 12:01	1.0		1:FE=67
020	icp data	SAMPLE	469270-004	Wipe	297250	09/20/22 12:05	1.0		1:FE=28
021	icp data	SAMPLE	469270-006	Wipe	297250	09/20/22 12:08	1.0		1:FE=42
022	icp data	SAMPLE	469270-009	Wipe	297250	09/20/22 12:11	1.0		1:FE=44
023	icp data	SAMPLE	469270-011	Wipe	297250	09/20/22 12:15	1.0		1:FE=23
024	icp data	CCV				09/20/22 12:18	1.0	9	
025	icp data	CCB				09/20/22 12:21	1.0		
026	icp data	SAMPLE	469270-013	Wipe	297250	09/20/22 12:25	1.0		
027	icp data	SAMPLE	469270-015	Wipe	297250	09/20/22 12:28	1.0		1:FE=39
028	icp data	SAMPLE	469270-017	Wipe	297250	09/20/22 12:32	1.0		
029	icp data	SAMPLE	469270-019	Wipe	297250	09/20/22 12:35	1.0		1:FE=20
030	icp data	SAMPLE	469270-021	Wipe	297250	09/20/22 12:38	1.0		
031	icp data	SAMPLE	469270-024	Wipe	297250	09/20/22 12:42	1.0		
032	icp data	SAMPLE	469270-025	Wipe	297250	09/20/22 12:45	1.0		
033	icp data	SAMPLE	469270-026	Wipe	297250	09/20/22 12:48	1.0		1:FE=35
034	icp data	SAMPLE	469273-002	Wipe	297250	09/20/22 12:52	1.0		1:FE=46
035	icp data	SAMPLE	469273-005	Wipe	297250	09/20/22 12:55	1.0		1:FE=36
036	icp data	CCV				09/20/22 12:59	1.0	9	
037	icp data	CCB				09/20/22 13:02	1.0		
038	icp data	SAMPLE	469273-007	Wipe	297250	09/20/22 13:05	1.0		1:FE=36
039	icp data	SAMPLE	469273-008	Wipe	297250	09/20/22 13:09	1.0		1:FE=36
040	icp data	SAMPLE	469273-010	Wipe	297250	09/20/22 13:12	1.0		1:FE=38
041	icp data	BLANK	QC1013739	Wipe	297239	09/20/22 13:15	1.0		
042	icp data	BS	QC1013740	Wipe	297239	09/20/22 13:19	1.0		
043	icp data	BSD	QC1013741	Wipe	297239	09/20/22 13:22	1.0		
044	icp data	SAMPLE	469257-002	Wipe	297239	09/20/22 13:25	1.0		1:FE=42
045	icp data	SAMPLE	469257-004	Wipe	297239	09/20/22 13:29	1.0		1:FE=63
046	icp data	SAMPLE	469257-006	Wipe	297239	09/20/22 13:32	1.0		1:FE=38
047	icp data	XCCB				09/20/22 13:36	1.0		
048	icp data	CCV				09/20/22 13:42	1.0	9	
049	icp data	CCB				09/20/22 13:45	1.0		
050	icp data	SAMPLE	469257-012	Wipe	297239	09/20/22 13:49	1.0		1:FE=41
051	icp data	SAMPLE	469257-014	Wipe	297239	09/20/22 13:52	1.0		1:FE=82
052	icp data	SAMPLE	469257-016	Wipe	297239	09/20/22 13:56	1.0		1:FE=51

Enthalpy Sequence Summary for Sequence 672379380

Instrument : MET09 Begun : 09/20/22 11:00
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	icp data	SAMPLE	469257-018	Wipe	297239	09/20/22 13:59	1.0		1:FE=29
054	icp data	SAMPLE	469257-020	Wipe	297239	09/20/22 14:02	1.0		1:FE=42
055	icp data	SAMPLE	469257-022	Wipe	297239	09/20/22 14:06	1.0		1:FE=48
056	icp data	SAMPLE	469257-024	Wipe	297239	09/20/22 14:09	1.0		1:FE=97
057	icp data	SAMPLE	469257-025	Wipe	297239	09/20/22 14:12	1.0		1:FE=70
058	icp data	SAMPLE	469257-027	Wipe	297239	09/20/22 14:16	1.0		1:FE=50
059	icp data	SAMPLE	469257-029	Wipe	297239	09/20/22 14:19	1.0		1:FE=47
060	icp data	CCV				09/20/22 14:23	1.0	9	
061	icp data	XCCB				09/20/22 14:26	1.0		
062	icp data	XSAMPLE	469257-030	Wipe	297239	09/20/22 14:29	1.0		1:FE=38
063	icp data	XSAMPLE	469257-032	Wipe	297239	09/20/22 14:33	1.0		1:FE=36
064	icp data	CCB				09/20/22 14:37	1.0		
065	icp data	SAMPLE	469257-030	Wipe	297239	09/20/22 14:41	1.0		1:FE=38
066	icp data	SAMPLE	469257-032	Wipe	297239	09/20/22 14:44	1.0		1:FE=35
067	icp data	SAMPLE	469257-034	Wipe	297239	09/20/22 14:47	1.0		
068	icp data	SAMPLE	469257-036	Wipe	297239	09/20/22 14:51	1.0		1:FE=70
069	icp data	SAMPLE	469257-038	Wipe	297239	09/20/22 14:54	1.0		1:FE=25
070	icp data	SAMPLE	469257-040	Wipe	297239	09/20/22 14:58	1.0		
071	icp data	BLANK	QC1013498	Soil	297171	09/20/22 15:01	1.0		
072	icp data	LCS	QC1013499	Soil	297171	09/20/22 15:04	1.0		
073	icp data	SAMPLE	469046-001	Miscell.	297171	09/20/22 15:08	1.0		1:SULFUR=17
074	icp data	MSS	469144-101	Soil	297171	09/20/22 15:11	1.0		8:FEASFE2O3=380
075	icp data	CCV				09/20/22 15:14	1.0	9	
076	icp data	CCB				09/20/22 15:18	1.0		
077	icp data	MS	QC1013500	Soil	297171	09/20/22 15:21	1.0		8:ALASAL2O3=420
078	icp data	MSD	QC1013501	Soil	297171	09/20/22 15:24	1.0		6:FEASFE2O3=350
079	icp data	PDS	QC1013502	Soil	297171	09/20/22 15:28	1.0		5:FE=260
080	icp data	SAMPLE	469144-102	Soil	297171	09/20/22 15:31	1.0		3:FE=230
081	icp data	SAMPLE	469144-103	Soil	297171	09/20/22 15:35	1.0		4:FE=210
082	icp data	SAMPLE	469144-104	Soil	297171	09/20/22 15:38	1.0		3:FE=220
083	icp data	SAMPLE	469144-105	Soil	297171	09/20/22 15:41	1.0		3:FE=260
084	icp data	SAMPLE	469144-106	Soil	297171	09/20/22 15:45	1.0		3:FE=210
085	icp data	SAMPLE	469144-107	Soil	297171	09/20/22 15:48	1.0		5:FE=280
086	icp data	SAMPLE	469144-108	Soil	297171	09/20/22 15:51	1.0		3:FE=260
087	icp data	CCV				09/20/22 15:55	1.0	9	
088	icp data	CCB				09/20/22 15:58	1.0		
089	icp data	MSS	467519-025	Soil	297200	09/20/22 16:01	25.0		
090	icp data	MS	QC1013592	Soil	297200	09/20/22 16:05	25.0		
091	icp data	MSD	QC1013593	Soil	297200	09/20/22 16:08	25.0		
092	icp data	PDS	QC1013594	Soil	297200	09/20/22 16:12	25.0		
093	icp data	SAMPLE	468928-001	Sea Water	296852	09/20/22 16:15	50.0		2:NA=230
094	icp data	SAMPLE	469257-009	Wipe	297239	09/20/22 16:18	1.0		1:FE=52

SBW 09/20/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 085.

Standards used: 1=S17110 2=S17109 3=S17108 4=S17107 5=S17316 6=S17115 7=S17113 8=S17048 9=S17211 10=S17318 11=S17207 12=S17208

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 469273-002	Client ID	: ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-L-LA
Seqnum	: 672379380034	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 297250	Time	: 20-SEP-2022 12:52
Cal	: 672379380001	Caldate	: 20-SEP-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.04 ft2 --> 100.0 ml = 96.15 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.992	190	**0.52**	0.079	**y** u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	925504	828831	-10.45

u=use y=RL raised

Instrument ID: MET09

Label: 469273-002,297250 | Rack:Tube: 1:19 | Type: Sample
Date Time: 9/20/2022 12:52:16 PM | Weight: 1 | Volume: 1
Dilution: 1 | LIMSID: | Customer:
Customer Ref.: | Sample Date Time: | Sample Site:
Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	-0.00006971	mg/L	177.47858213	136.78953458	-0.00001517	-0.00017981	-0.00001414	181.66007280	169.03610650	181.73956708	u	u	u
Al 396.152	Al		1.52854620	mg/L	54800.00689298	3.35437849	1.47350082	1.53718907	1.57494872	52858.77246414	55104.80693513	56436.44127968			
As 188.980	As		0.02716231	mg/L	140.92313762	6.96106800	0.02504878	0.02774489	0.02869324	130.39659885	143.82474151	148.54807251			
B 249.678	B		0.00698535	mg/L	364.66485799	6.98753126	0.00642608	0.00720454	0.00732544	345.59673200	372.13791743	376.25992455			
Ba 230.424	Ba		0.00740287	mg/L	837.97297302	4.70229595	0.00706197	0.00738888	0.00775775	803.46303012	836.55701823	873.89887069			
Be 313.107	Be	u	0.00000398	mg/L	163.80661193	431.68903981	0.00002192	0.00000233	-0.00001232	203.00192107	160.21445289	128.20346185			u
Ca 317.933	Ca-R		5.68175833	mg/L	63247.90685644	1.95741928	5.63828656	5.80814418	5.59884425	62779.36711350	64610.09639983	62354.25705599			
Cd 214.439	Cd		0.00005987	mg/L	230.30865881	70.10621805	0.00005048	0.00010573	0.00002338	228.36605336	239.80372273	222.75620035			
Co 230.786	Co		0.00702484	mg/L	313.68199721	4.98308480	0.00688856	0.00676342	0.00742254	308.39419427	303.53850858	329.11328878			
Cr 267.716	Cr		0.02485092	mg/L	1614.49518720	3.21235358	0.02417733	0.02464274	0.02573268	1570.57414439	1600.92107076	1671.99034644			
Cu 324.754	Cu		0.25281173	mg/L	11315.55219403	3.14787738	0.24438396	0.25385347	0.26019776	10972.26354674	11357.98536658	11616.40766877			
Fe 259.940	Fe	o	46.36098384	mg/L	2655432.59865559	3.47859254	44.62591310	46.64287443	47.81416399	2556053.79383690	2671578.30921406	2738665.69291581	o	o	o
K 766.491	K-R		2.09240376	mg/L	2704.56604963	2.19320435	2.11508136	2.12254086	2.03958906	2733.37901672	2742.85666960	2637.46246257			
Li 670.783	Li-R		0.00176340	mg/L	188.66778418	43.04678405	0.00193881	0.00093196	0.00241943	205.96544115	106.67728194	253.36062944			
Mg 279.800	Mg-R		2.73824504	mg/L	5752.52890684	2.17690252	2.72117202	2.80452761	2.68903548	5717.24217067	5889.52259734	5650.82195249			
Mn 257.610	Mn		0.27304003	mg/L	124156.98095129	3.28157529	0.26342493	0.27453937	0.28115579	119787.69018641	124838.31219488	127844.94047257			
Mo 204.598	Mo		0.00189615	mg/L	50.74627561	36.88831403	0.00129607	0.00266435	0.00172804	43.64982666	59.83077625	48.75822392			
Na 589.592	Na-R		4.71435277	mg/L	42824.00414143	1.68669633	4.69473228	4.80184314	4.64648289	42647.75405749	43609.92670032	42214.33166648			
Ni 231.604	Ni		0.06586244	mg/L	1451.17485671	2.19112779	0.06428016	0.06620090	0.06710625	1416.28616455	1458.63788602	1478.60051955			
P 177.434	P		0.33830545	mg/L	64.18885283	2.60597932	0.33505720	0.34828490	0.33157424	63.60023515	65.99723651	62.96908682			
Pb 220.353	Pb		1.99194029	mg/L	23155.45261468	3.31612457	1.92000919	2.00593472	2.04987695	22318.60437222	23318.26422144	23829.48925038			
S 181.972	S		2.70627747	mg/L	3206.63181386	2.20062481	2.64213820	2.71686654	2.75982767	3134.21658462	3218.58720614	3267.09165081			
Sb 206.834	Sb		0.01274431	mg/L	33.78868002	60.31747259	0.00429403	0.01461675	0.01932215	-2.10119681	41.74126782	61.72596904			
Se 196.026	Se		0.00708086	mg/L	57.15062493	17.73080230	0.00636100	0.00635102	0.00853057	54.52858805	54.49220678	62.43107998			
Si 251.611	Si		3.13260467	mg/L	24969.15911518	3.34826166	3.01837502	3.15486062	3.22457837	24059.98598626	25146.29795671	25701.19340256			
Sn 189.925	Sn		0.04321379	mg/L	507.10667602	1.92555752	0.04241243	0.04315538	0.04407356	497.98202216	506.44158764	516.89641826			
Sr 421.552	Sr-R		0.01054698	mg/L	4402.85114676	1.69397092	0.01037671	0.01073299	0.01053123	4333.72924694	4478.36340819	4396.46078515			
Ti 334.941	Ti		0.09476184	mg/L	32451.83482288	4.31500163	0.09004148	0.09721344	0.09703060	30843.88679169	33286.94878510	33224.66889187			
Tl 190.794	Tl		0.00254316	mg/L	3.98967319	68.79125460	0.00400069	0.00302576	0.00060305	9.08422520	5.67649806	-2.79170371			
V 292.401	V		0.00544221	mg/L	136.08078118	7.55776810	0.00591506	0.00524428	0.00516728	153.28754845	128.87849558	126.07629952			
Zn 206.200	Zn		1.15631854	mg/L	69631.94949992	3.29341385	1.11594679	1.16140947	1.19159936	67202.10911356	69938.35541860	71755.38396760			
Y 371.029	Y		0.90	Ratio	828831.41	0.57	0.89	0.89	0.90	824794.32	827694.34	834005.58			
Y 371.029	Y-R		0.93	Ratio	189617.54	2.14	0.94	0.91	0.95	190692.45	185137.84	193022.32			

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 469273-005	Client ID	: ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-L-LA
Seqnum	: 672379380035	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 297250	Time	: 20-SEP-2022 12:55
Cal	: 672379380001	Caldate	: 20-SEP-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.324	130	**0.54**	0.079	**y** u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	925504	828379	-10.49

u=use y=RL raised

Instrument ID: MET09

Label: 469273-005,297250 | Rack:Tube: 1:20 | Type: Sample

Date Time: 9/20/2022 12:55:38 PM | Weight: 1 | Volume: 1

Dilution: 1 | LIMS ID: | Customer:

Customer Ref.: | Sample Date Time: | Sample Site:

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	0.00029972	mg/L	207.11429612	236.15153619	0.00109648	-0.00025630	0.00005898	268.20809128	164.47960231	188.65519476		u	
Al 396.152	Al		0.80782493	mg/L	29375.86619731	3.11922495	0.78063033	0.81246271	0.83038176	28416.81932251	29539.42246666	30171.35680276			
As 188.980	As		0.01750142	mg/L	92.74794024	2.07675687	0.01791665	0.01724097	0.01734664	94.81602959	91.45074501	91.97704611			
B 249.678	B		0.00567299	mg/L	316.95395861	2.97993092	0.00564245	0.00552128	0.00585522	315.91279003	311.78181777	323.16726801			
Ba 230.424	Ba		0.00714781	mg/L	811.62249389	5.64522966	0.00674657	0.00714332	0.00755355	771.00379359	811.16750887	852.69617921			
Be 313.107	Be	u	0.00000031	mg/L	156.91292139	7290.62502544	-0.00000011	0.00002324	-0.00002219	155.99183234	207.00731780	107.73961402	u		u
Ca 317.933	Ca-R		7.15410467	mg/L	79104.23907677	0.82226564	7.08835563	7.17220537	7.20175302	78395.59443484	79299.32879478	79617.79400069			
Cd 214.439	Cd		0.00006367	mg/L	187.76898337	47.47264394	0.00003914	0.00009744	0.00005443	182.69123495	194.75922798	185.85648718			
Co 230.786	Co		0.00406130	mg/L	196.69902509	19.87570994	0.00484565	0.00410524	0.00323302	227.13290226	198.40390207	164.56027094			
Cr 267.716	Cr		0.01856617	mg/L	1202.29513017	1.86038748	0.01821064	0.01858740	0.01890047	1179.11295219	1203.67957769	1224.09286063			
Cu 324.754	Cu		0.21967373	mg/L	9979.60904943	3.06622904	0.21277401	0.22001472	0.22623246	9698.56256612	9993.49867948	10246.76590268			
Fe 259.940	Fe	o	35.53210472	mg/L	2035190.66605217	3.24541070	34.29086350	35.73526340	36.57018725	1964096.69525958	2046826.88738144	2094648.41551547	o	o	o
K 766.491	K-R		2.25537447	mg/L	2913.16774156	2.15712549	2.28486157	2.19922043	2.28204140	2950.63250611	2841.82137411	2947.04934445			
Li 670.783	Li-R	u	0.00029090	mg/L	40.88474603	345.38021694	0.00110314	0.00060219	-0.00083262	120.98196205	71.58201015	-69.90973410			u
Mg 279.800	Mg-R		2.16956831	mg/L	4570.65474400	0.33587622	2.16388281	2.16703914	2.17778299	4558.90386968	4565.42741514	4587.63294717			
Mn 257.610	Mn		0.20824482	mg/L	94714.71504840	2.90935604	0.20154354	0.20985591	0.21333502	91669.52137438	95446.82280622	97027.80096460			
Mo 204.598	Mo		0.00235166	mg/L	55.93054414	21.61559921	0.00207480	0.00204187	0.00293832	52.65645149	52.26696937	62.86821155			
Na 589.592	Na-R		4.64537549	mg/L	42202.07945122	0.54088387	4.63146642	4.63027955	4.67438051	42077.13480947	42066.47319047	42462.63035373			
Ni 231.604	Ni		0.16739461	mg/L	3689.94921209	3.02136905	0.16202698	0.16808576	0.17207111	3571.59485863	3705.18860698	3793.06417066			
P 177.434	P		0.24358803	mg/L	47.01364588	3.26692023	0.23441147	0.24858879	0.24776382	45.35075607	47.91983725	47.77034431			
Pb 220.353	Pb		1.32437422	mg/L	15387.95450965	2.97340702	1.28136258	1.33310479	1.35865530	14887.55592067	15489.52614401	15786.78146428			
S 181.972	S		2.68710158	mg/L	3184.98774863	2.38980883	2.62017530	2.69291649	2.74821296	3109.42590017	3191.55295852	3253.98438721			
Sb 206.834	Sb		0.01067009	mg/L	22.55603746	7.84949633	0.01104348	0.00971079	0.01125601	24.14185697	18.48170999	25.04454543			
Se 196.026	Se		0.00524883	mg/L	52.60932135	43.59306721	0.00393168	0.00789093	0.00392389	47.81168446	62.23296598	47.78331361			
Si 251.611	Si		1.77311854	mg/L	14150.00821946	2.77472609	1.71853152	1.78678296	1.81404115	13715.54084149	14258.76564758	14475.71816932			
Sn 189.925	Sn		0.04185919	mg/L	491.76403612	3.41238342	0.04022972	0.04245273	0.04289512	473.21014760	498.52236266	503.55959811			
Sr 421.552	Sr-R		0.01066135	mg/L	4445.57387899	1.59377632	0.01046779	0.01078597	0.01073027	4367.00143984	4496.16607364	4473.55412347			
Ti 334.941	Ti		0.05862514	mg/L	20142.84354995	7.43507346	0.05586065	0.05636493	0.06364985	19201.14459517	19372.92193131	21854.46412337			
Tl 190.794	Tl		0.00244284	mg/L	3.60071040	15.56365252	0.00287886	0.00226915	0.00218052	5.12474932	2.99359655	2.68378534			
V 292.401	V		0.00296550	mg/L	68.82421217	14.39155021	0.00259908	0.00286332	0.00343409	55.49055511	65.10604605	85.87603535			
Zn 206.200	Zn		1.20329780	mg/L	72457.60453065	2.07039186	1.17609279	1.20880262	1.22499798	70820.22633603	72788.92144238	73763.66581353			
Y 371.029	Y		0.90	Ratio	828379.11	0.59	0.89	0.89	0.90	824163.17	827243.43	833730.74			
Y 371.029	Y-R		0.93	Ratio	189340.98	1.04	0.94	0.93	0.93	191541.26	188745.46	187736.20			

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 469273-007	Client ID	: ARCH-C2E-INT-4.5 TO 5.5-220915-L-WF
Seqnum	: 672379380038	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 297250	Time	: 20-SEP-2022 13:05
Cal	: 672379380001	Caldate	: 20-SEP-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.309	230	**0.54**	0.079	**y** u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	925504	831276	-10.18

u=use y=RL raised

672379380038

Instrument ID: MET09

Label: 469273-007,297250 | Rack:Tube: 1:21 | Type: Sample

Date Time: 9/20/2022 1:05:43 PM | Weight: 1 | Volume: 1

Dilution: 1 | LIMS ID: | Customer:

Customer Ref.: | Sample Date Time: | Sample Site:

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	0.00011325	mg/L	192.75876838	607.64214129	-0.00018297	0.00089994	-0.00037721	170.04527717	253.08019353	155.15083445	u		u
Al 396.152	Al		1.63417997	mg/L	58518.79845329	3.13272174	1.58031565	1.64002107	1.68220321	56619.21533802	58724.79086414	60212.38915770			
As 188.980	As		0.01654598	mg/L	88.01148912	11.68102384	0.01440338	0.01815806	0.01707651	77.34012363	96.04052004	90.65382368			
B 249.678	B		0.00732558	mg/L	372.11648543	7.25112249	0.00749754	0.00672972	0.00774948	377.97944083	351.80084087	386.56917458			
Ba 230.424	Ba		0.00856146	mg/L	955.03230753	5.97189709	0.00797175	0.00883202	0.00888062	895.33489819	982.42068250	987.34134189			
Be 313.107	Be		0.00003123	mg/L	224.38830922	10.73731848	0.00003510	0.00002917	0.00002943	232.84241583	219.87707182	220.44544002			
Ca 317.933	Ca-R		6.02015880	mg/L	66884.43313083	1.04546092	6.01819834	6.08405454	5.95822353	66863.30317223	67573.10281804	66216.89340222			
Cd 214.439	Cd		0.00010945	mg/L	201.98218053	29.72829535	0.00007190	0.00012723	0.00012923	194.20807430	205.66238150	206.07608579			
Co 230.786	Co		0.01208544	mg/L	508.24821655	5.15953146	0.01150335	0.01274350	0.01200946	485.66246652	533.78192793	505.30025521			
Cr 267.716	Cr		0.02416394	mg/L	1567.61578643	2.62841706	0.02360007	0.02403976	0.02485199	1530.84897329	1559.51857866	1612.47980734			
Cu 324.754	Cu		0.14161742	mg/L	6798.98280746	2.80276372	0.13736841	0.14225397	0.14522987	6625.90775062	6824.91157814	6946.12909363			
Fe 259.940	Fe	o	36.32959474	mg/L	2080869.86006318	3.28833046	35.04050072	36.54889438	37.39938912	2007035.04752787	2093430.57894507	2142143.95371660	o	o	o
K 766.491	K-R		2.19420742	mg/L	2835.24800948	1.23700006	2.19765340	2.21946221	2.16550664	2839.62630052	2867.33542216	2798.78230575			
Li 670.783	Li-R		0.00238383	mg/L	247.48051706	6.03458149	0.00232538	0.00227841	0.00254771	241.71636170	237.08399460	263.64119489			
Mg 279.800	Mg-R		2.73594798	mg/L	5741.92143336	1.28163351	2.73406050	2.77191843	2.70186502	5738.02035168	5816.26562668	5671.47832172			
Mn 257.610	Mn		0.35041209	mg/L	159317.94059467	2.78282489	0.34007481	0.35171493	0.35944653	154620.47808683	159909.97528496	163423.36841222			
Mo 204.598	Mo		0.00216452	mg/L	53.88997354	78.79194898	0.00059533	0.00191865	0.00397957	35.33308968	50.98241963	75.35441133			
Na 589.592	Na-R		4.37617673	mg/L	39797.82014793	0.88287077	4.37360938	4.41603237	4.33888846	39774.75765870	40155.84178414	39462.86100097			
Ni 231.604	Ni		0.03891243	mg/L	857.05830958	4.61483773	0.03695880	0.03928743	0.04049107	813.98145887	865.32673180	891.86673808			
P 177.434	P		0.38069734	mg/L	71.86067739	5.67468795	0.35633640	0.39752699	0.38822862	67.44621534	74.91039060	73.22542622			
Pb 220.353	Pb		2.30946801	mg/L	26846.86929224	3.03577320	2.23344562	2.32337756	2.37158085	25962.42292305	27008.69332683	27569.49162684			
S 181.972	S		2.54145414	mg/L	3020.56106319	2.61905332	2.46708504	2.56183297	2.59544443	2936.59604279	3043.56938352	3081.51776324			
Sb 206.834	Sb		0.00688640	mg/L	6.68981164	57.56092176	0.00510495	0.00412581	0.01142845	-0.87633840	-5.03493772	25.98071104			
Se 196.026	Se		0.00630253	mg/L	56.30381813	17.74148622	0.00596758	0.00539012	0.00754988	55.08380036	52.98043655	60.84721747			
Si 251.611	Si		3.18663955	mg/L	25400.41768257	2.98444974	3.08340413	3.20582976	3.27068475	24578.74952034	25553.15586629	26069.34766109			
Sn 189.925	Sn		0.03108249	mg/L	369.07246589	2.84107239	0.03009412	0.03179385	0.03135950	357.81844521	377.17232550	372.22662698			
Sr 421.552	Sr-R		0.01077961	mg/L	4499.52097008	1.34608219	0.01067750	0.01094571	0.01071562	4458.06849027	4566.94866679	4473.54575319			
Ti 334.941	Ti		0.09661684	mg/L	33084.50646315	3.63994835	0.09364413	0.09570733	0.10049906	32071.88129612	32774.68956579	34406.94852753			
Tl 190.794	Tl		0.00382025	mg/L	8.42977652	42.58434955	0.00335639	0.00562863	0.00247573	6.80841768	14.75069517	3.73021671			
V 292.401	V		0.00642577	mg/L	192.48999417	4.06596203	0.00672564	0.00624722	0.00630444	203.40216646	185.99293807	188.07487799			
Zn 206.200	Zn		0.89300147	mg/L	53782.21960394	3.09490371	0.86163462	0.90359335	0.91377645	51894.35375172	54419.70907266	55032.59598743			
Y 371.029	Y		0.90	Ratio	831275.64	0.67	0.89	0.90	0.90	826707.06	829608.93	837510.92			
Y 371.029	Y-R		0.94	Ratio	189740.64	1.15	0.94	0.92	0.94	190263.86	187345.82	191612.23			

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 469273-008	Client ID	: ARCH-C2E-INT-4.5 TO 5.5-220915-L-DUP-WF
Seqnum	: 672379380039	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 297250	Time	: 20-SEP-2022 13:09
Cal	: 672379380001	Caldate	: 20-SEP-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.664	170	**0.54**	0.079	**y** u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	925504	825279	-10.83

u=use y=RL raised

Instrument ID: MET09

Label: 469273-008,297250 | Rack:Tube: 1:22 | Type: Sample

Date Time: 9/20/2022 1:09:05 PM | Weight: 1 | Volume: 1

Dilution: 1 | LIMS ID: | Customer:

Customer Ref.: | Sample Date Time: | Sample Site:

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag		0.00068716	mg/L	236.87795590	57.86478351	0.00030385	0.00109770	0.00065994	207.48616452	268.35693101	234.79077217			
Al 396.152	Al		1.32196744	mg/L	47507.53818472	2.76558750	1.28405300	1.32484620	1.35700313	46170.44472524	47609.06077026	48743.10905865			
As 188.980	As		0.01325541	mg/L	71.61051185	16.56848370	0.01346172	0.01096332	0.01534120	72.63803343	60.19458262	81.99891948			
B 249.678	B		0.00631780	mg/L	337.99848201	5.11110232	0.00599629	0.00631501	0.00664209	327.03695913	337.90336010	349.05512682			
Ba 230.424	Ba		0.00585804	mg/L	681.22025438	5.11328287	0.00552955	0.00592851	0.00611606	647.96673743	688.35364435	707.34038137			
Be 313.107	Be		0.00001831	mg/L	196.26098006	64.53048612	0.00002042	0.00002892	0.00000558	200.87644948	219.45145978	168.45503091			
Ca 317.933	Ca-R		6.55179765	mg/L	72612.84657086	0.69173078	6.55697934	6.50410872	6.59430490	72668.69490282	72098.85419464	73070.99061510			
Cd 214.439	Cd	u	0.00005883	mg/L	186.75310470	157.74860913	0.00006112	-0.00003510	0.00015047	187.22611090	167.30911741	205.72408579		u	
Co 230.786	Co		0.01100836	mg/L	466.24648132	3.91824593	0.01150266	0.01070824	0.01081419	485.42579917	454.60138122	458.71226357			
Cr 267.716	Cr		0.02288008	mg/L	1483.61866163	4.00348441	0.02186394	0.02313389	0.02364241	1417.36137736	1500.16837704	1533.32623049			
Cu 324.754	Cu		0.13304848	mg/L	6451.33456330	2.10137128	0.12989763	0.13401498	0.13523285	6322.99050629	6490.70287180	6540.31031182			
Fe 259.940	Fe	o	35.65402578	mg/L	2042174.86138913	2.79100817	34.56793455	35.87219931	36.52194347	1979967.34106184	2054671.08114976	2091886.16195579	o	o	o
K 766.491	K-R		2.04650451	mg/L	2647.76050259	1.49245144	2.03597744	2.02261730	2.08091878	2634.38536449	2617.41066844	2691.48547484			
Li 670.783	Li-R		0.00162654	mg/L	172.53964926	9.44895210	0.00152218	0.00155441	0.00180303	162.24820469	165.42706768	189.94367539			
Mg 279.800	Mg-R		2.42774596	mg/L	5104.22553912	1.05525320	2.42516369	2.40351602	2.45455817	5098.88847016	5054.14678243	5159.64136477			
Mn 257.610	Mn		0.33105442	mg/L	150521.70092168	2.98814187	0.32055345	0.33241181	0.34019801	145749.85208897	151138.52207673	154676.72859933			
Mo 204.598	Mo		0.00231916	mg/L	55.64569631	42.08565183	0.00310189	0.00263003	0.00122555	64.90212916	59.32196304	42.71299672			
Na 589.592	Na-R		4.27151763	mg/L	38831.96019245	0.34868645	4.28028717	4.25432042	4.27994530	38910.73665929	38677.47830813	38907.66560993			
Ni 231.604	Ni		0.03628457	mg/L	799.07430173	2.09283689	0.03541175	0.03679369	0.03664828	779.82884580	810.30013273	807.09392668			
P 177.434	P		0.33441411	mg/L	63.47240644	3.02275129	0.32652521	0.34580878	0.33090834	62.04285295	65.53724336	62.83712299			
Pb 220.353	Pb		1.66441983	mg/L	19342.84742760	2.91645663	1.61168584	1.67433452	1.70723914	18729.33885307	19458.19511412	19841.00831563			
S 181.972	S		2.66232362	mg/L	3157.02125819	2.41257476	2.58918766	2.68821867	2.70956453	3074.44848945	3186.25757583	3210.35770930			
Sb 206.834	Sb		0.00591502	mg/L	2.32017923	26.46980751	0.00410932	0.00689519	0.00674055	-5.34896298	6.48313663	5.82636403			
Se 196.026	Se		0.00547839	mg/L	53.50322815	45.79771786	0.00588688	0.00279023	0.00775805	54.99115273	43.71180780	61.80672392			
Si 251.611	Si		2.58006269	mg/L	20572.67532247	3.10603940	2.49795961	2.58414972	2.65807874	19919.20301643	20605.20470642	21193.61824457			
Sn 189.925	Sn		0.02733704	mg/L	326.42432233	3.77835493	0.02619050	0.02819481	0.02762581	313.36928138	336.19128915	329.71239646			
Sr 421.552	Sr-R		0.01048295	mg/L	4377.04281946	0.85787046	0.01045048	0.01041376	0.01058460	4363.86278674	4348.95575651	4418.30991513			
Ti 334.941	Ti		0.07456634	mg/L	25573.19844665	2.49276422	0.07261365	0.07477117	0.07631421	24908.03130328	25642.97099560	26168.59304108			
Tl 190.794	Tl		0.00237425	mg/L	3.36756605	72.26642064	0.00207683	0.00082662	0.00421931	2.32796823	-2.04194041	9.81667034			
V 292.401	V		0.00525606	mg/L	152.34776470	9.59332927	0.00518158	0.00579339	0.00479321	149.63759271	171.90068547	135.50501591			
Zn 206.200	Zn		0.73455922	mg/L	44245.86307027	2.92188705	0.71246262	0.73588820	0.75532684	42915.94275248	44325.84962049	45495.79683784			
Y 371.029	Y		0.89	Ratio	825279.49	0.50	0.89	0.89	0.90	822534.84	823283.76	830019.87			
Y 371.029	Y-R		0.94	Ratio	189938.42	0.89	0.94	0.94	0.93	190852.97	190971.69	187990.60			

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 469273-010	Client ID	: ARCH-C2E-PS-5.5-220915-L-G
Seqnum	: 672379380040	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 297250	Time	: 20-SEP-2022 13:12
Cal	: 672379380001	Caldate	: 20-SEP-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.11 ft2 --> 100.0 ml = 90.06 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.380	210	**0.49**	0.079	**y** u

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	925504	827846	-10.55

u=use y=RL raised

Instrument ID: MET09

Label: 469273-010,297250 | Rack:Tube: 1:23 | Type: Sample
Date Time: 9/20/2022 1:12:27 PM | Weight: 1 | Volume: 1
Dilution: 1 | LIMS ID: | Customer:
Customer Ref.: | Sample Date Time: | Sample Site:
Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	-0.00004297	mg/L	180.95857873	1673.31379296	0.00062492	0.00005023	-0.00080407	232.17120564	188.10504561	122.59948493			u
Al 396.152	Al		1.65140177	mg/L	59127.02244433	2.70919148	1.60525079	1.65437252	1.69458199	57499.45877505	59231.78931156	60649.81924637			
As 188.980	As		0.01614669	mg/L	86.02169585	12.73427019	0.01396610	0.01642360	0.01805036	75.16113455	87.40088334	95.50306966			
B 249.678	B		0.00629113	mg/L	339.56888932	10.97594250	0.00708707	0.00585226	0.00593408	366.70574535	324.60564324	327.39527936			
Ba 230.424	Ba		0.01274578	mg/L	1378.69329700	2.92856913	0.01231477	0.01296144	0.01296113	1335.06098927	1400.52504028	1400.49386145			
Be 313.107	Be	u	0.00000463	mg/L	166.28353223	384.45954203	-0.00001126	0.00002385	0.00000129	131.58036036	208.27923435	158.99100197	u		
Ca 317.933	Ca-R		7.55571929	mg/L	83435.72866202	0.46241193	7.51716237	7.58528002	7.56471548	83020.16132193	83754.33487898	83532.68978516			
Cd 214.439	Cd		0.00013581	mg/L	210.98999664	41.84352601	0.00018907	0.00007598	0.00014239	222.01419614	198.60420827	212.35158551			
Co 230.786	Co		0.00635530	mg/L	286.03083924	1.18533396	0.00640776	0.00638915	0.00626898	288.06660455	287.34438535	282.68152781			
Cr 267.716	Cr		0.01551184	mg/L	1003.70326712	2.32403796	0.01531298	0.01529456	0.01592797	990.73662147	989.53594415	1030.83723574			
Cu 324.754	Cu		0.07593237	mg/L	4122.36607414	1.78607808	0.07454555	0.07599583	0.07725574	4065.87636593	4124.95103115	4176.27082534			
Fe 259.940	Fe	o	37.81154383	mg/L	2165750.96364349	2.58120642	36.77349497	37.95056141	38.71057511	2106295.14279467	2173713.40618737	2217244.34194844	o	o	o
K 766.491	K-R		2.28612468	mg/L	2951.97857432	0.98342127	2.27928391	2.26785742	2.31123271	2943.28705652	2928.76915088	2983.87951557			
Li 670.783	Li-R		0.00223479	mg/L	233.31710932	12.34789290	0.00250840	0.00195656	0.00223942	260.29818049	205.87942447	233.77372298			
Mg 279.800	Mg-R		2.71992126	mg/L	5709.36606140	0.23688120	2.71251873	2.72426590	2.72297916	5694.06641399	5718.34560797	5715.68616223			
Mn 257.610	Mn		0.27878296	mg/L	126768.62733111	2.88938274	0.27072340	0.27879188	0.28683360	123106.20380460	126772.68009263	130426.99809610			
Mo 204.598	Mo		0.00198966	mg/L	51.80668432	82.77501434	0.00017273	0.00338442	0.00241184	30.31999266	68.30077424	56.79928605			
Na 589.592	Na-R		4.96722673	mg/L	45128.64694160	0.25774384	4.96600881	4.98059489	4.95507649	45117.70640414	45248.73260173	45019.50181892			
Ni 231.604	Ni		0.02468751	mg/L	543.41083523	2.07921671	0.02429894	0.02449418	0.02526941	534.84298961	539.14805659	556.24145950			
P 177.434	P		0.33964669	mg/L	64.42202554	2.33008163	0.33136072	0.34045213	0.34712721	62.92051993	64.56797989	65.77757680			
Pb 220.353	Pb		2.38019558	mg/L	27670.02364998	2.54056095	2.31739961	2.38515194	2.43803519	26939.45377437	27727.68607726	28342.93109832			
S 181.972	S		3.27946394	mg/L	3853.81262296	2.21996418	3.20352569	3.28620324	3.34866290	3768.07598164	3861.42150124	3931.94038601			
Sb 206.834	Sb		0.01403154	mg/L	37.26071660	17.84958974	0.01115796	0.01575078	0.01518587	25.05610093	44.56266826	42.16338061			
Se 196.026	Se		0.00456280	mg/L	49.77461711	18.61070582	0.00376259	0.00447215	0.00545366	46.85991355	49.44443862	53.01949917			
Si 251.611	Si		3.23389795	mg/L	25776.49370435	2.54885916	3.15264836	3.23159059	3.31745492	25129.81439224	25758.12899294	26441.53772786			
Sn 189.925	Sn		0.02576116	mg/L	308.46291791	4.98568997	0.02481572	0.02524433	0.02722343	297.69772170	302.57803039	325.11300165			
Sr 421.552	Sr-R		0.01163282	mg/L	4852.67787091	0.52172370	0.01168106	0.01165271	0.01156467	4872.26245463	4860.75594114	4825.01521695			
Ti 334.941	Ti		0.09333643	mg/L	31966.95845108	3.56884836	0.09083149	0.09206110	0.09711669	31113.67433450	31532.52915705	33254.67186170			
Tl 190.794	Tl		0.00287900	mg/L	5.14669158	68.84665326	0.00365274	0.00062673	0.00435752	7.85118158	-2.72573990	10.31463306			
V 292.401	V		0.00831289	mg/L	259.25097177	3.03961184	0.00832585	0.00855884	0.00805398	259.72267956	268.20084999	249.82938578			
Zn 206.200	Zn		1.20631995	mg/L	72640.08849011	2.72541029	1.17286110	1.20751596	1.23858279	70626.31192728	72712.07245680	74581.88108625			
Y 371.029	Y		0.89	Ratio	827846.03	0.51	0.89	0.90	0.90	823110.05	831309.04	829119.00			
Y 371.029	Y-R		0.94	Ratio	191001.84	0.31	0.95	0.94	0.94	191669.51	190799.25	190536.76			

ENTHALPY INITIAL CALIBRATION FOR 469273 METALS Wipe: EPA 6010B

Instrument:	MET09		
Calibration #:	672379380001	Date:	20-SEP-2022 11:04
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	672379380003	L1	20-SEP-2022 11:07	S17110
L2	icp data	672379380004	L2	20-SEP-2022 11:11	S17109 (10X)
L3	icp data	672379380005	L3	20-SEP-2022 11:14	S17109
L4	icp data	672379380006	L4	20-SEP-2022 11:17	S17108
L5	icp data	672379380007	L5	20-SEP-2022 11:21	S17107 (2X)
L6	icp data	672379380008	L6	20-SEP-2022 11:24	S17107

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00297	8.79E-5		9911.6	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	5025.3	8609.1	11221	11809	11450	11354

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	**33**	0.0100	5	0.1000	2	1.0000	4	5.0000	1	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09
Calnum : 672379380001 Cal Date : 20-SEP-2022

ICV 672379380013 (20-SEP-2022) stds: S17211

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9687	mg/L	-3	

Instrument ID: MET09

Label:	ICALBLK	**Rack:Tube:**	S1:1	**Type:**	BLK
Date Time:	9/20/2022 11:04:30 AM	**Flags:**	!	**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.00000000	mg/L	186.27067421	-	0.00000000	0.00000000	0.00000000	151.95008510	186.19639522	220.66554231
Al 396.152	Al	0.00000000	mg/L	822.46988734	-	0.00000000	0.00000000	0.00000000	818.29527364	850.82902521	798.28536316
As 188.980	As	0.00000000	mg/L	6.38496224	-	0.00000000	0.00000000	0.00000000	9.10817510	5.68737105	4.35934055
B 249.678	B	0.00000000	mg/L	96.34862467	-	0.00000000	0.00000000	0.00000000	105.66748547	91.41988327	91.95850527
Ba 230.424	Ba	0.00000000	mg/L	87.19779674	-	0.00000000	0.00000000	0.00000000	78.71982374	89.95585975	92.91770675
Be 313.107	Be	0.00000000	mg/L	159.84471913	-	0.00000000	0.00000000	0.00000000	173.03780926	157.69951973	148.79682840
Ca 317.933	Ca-R	0.00000000	mg/L	1958.88481261	-	0.00000000	0.00000000	0.00000000	1971.36155433	1940.87168114	1964.42120237
Cd 214.439	Cd	0.00000000	mg/L	41.98522783	-	0.00000000	0.00000000	0.00000000	40.31937876	54.45177056	31.18453417
Co 230.786	Co	0.00000000	mg/L	39.97832395	-	0.00000000	0.00000000	0.00000000	31.73672043	47.12312895	41.07512246
Cr 267.716	Cr	0.00000000	mg/L	-13.91327789	-	0.00000000	0.00000000	0.00000000	-17.28233001	2.64120546	-27.09870913
Cu 324.754	Cu	0.00000000	mg/L	1065.87877617	-	0.00000000	0.00000000	0.00000000	1067.80832605	1055.43793327	1074.39006917
Fe 259.940	Fe	0.00000000	mg/L	26.17519669	-	0.00000000	0.00000000	0.00000000	20.66503510	32.36402943	25.49652553
K 766.491	K-R	0.00000000	mg/L	74.37647293	-	0.00000000	0.00000000	0.00000000	83.18887874	82.93890631	57.00163374
Li 670.783	Li-R	0.00000000	mg/L	0.00000000	-	0.00000000	0.00000000	0.00000000	-56.75182546	30.34012890	26.41169656
Mg 279.800	Mg-R	0.00000000	mg/L	66.77697537	-	0.00000000	0.00000000	0.00000000	69.10816504	67.40919803	63.81356306
Mn 257.610	Mn	0.00000000	mg/L	86.19305310	-	0.00000000	0.00000000	0.00000000	85.83164367	98.25566834	74.49184731
Mo 204.598	Mo	0.00000000	mg/L	27.99510232	-	0.00000000	0.00000000	0.00000000	27.85528467	30.97060095	25.15942133
Na 589.592	Na-R	0.00000000	mg/L	408.70810680	-	0.00000000	0.00000000	0.00000000	428.69022490	375.13684213	422.29725336
Ni 231.604	Ni	0.00000000	mg/L	-1.05180312	-	0.00000000	0.00000000	0.00000000	2.92709066	-1.74482366	-4.33767637
P 177.434	P	0.00000000	mg/L	2.98819418	-	0.00000000	0.00000000	0.00000000	4.89135344	0.73537046	3.33785864
Pb 220.353	Pb	0.00000000	mg/L	-34.42970993	-	0.00000000	0.00000000	0.00000000	-36.67936931	-42.32724267	-24.28251782
S 181.972	S	0.00000000	mg/L	151.05560547	-	0.00000000	0.00000000	0.00000000	156.40877861	151.54336542	145.21467238
Sb 206.834	Sb	0.00000000	mg/L	-33.39798878	-	0.00000000	0.00000000	0.00000000	-23.20955525	-41.17414375	-35.81026733
Se 196.026	Se	0.00000000	mg/L	29.87661305	-	0.00000000	0.00000000	0.00000000	20.43819737	31.83470264	37.35693914
Si 251.611	Si	0.00000000	mg/L	43.67831102	-	0.00000000	0.00000000	0.00000000	59.68172541	33.19342745	38.15978019
Sn 189.925	Sn	0.00000000	mg/L	18.38449895	-	0.00000000	0.00000000	0.00000000	22.71094000	17.66605581	14.77650103
Sr 421.552	Sr-R	0.00000000	mg/L	73.03700188	-	0.00000000	0.00000000	0.00000000	86.36622229	63.85359409	68.89118926
Ti 334.941	Ti	0.00000000	mg/L	187.99022889	-	0.00000000	0.00000000	0.00000000	115.55743350	195.57794452	252.83530865
Tl 190.794	Tl	0.00000000	mg/L	1.70554481	-	0.00000000	0.00000000	0.00000000	2.28936221	-0.90777285	3.73504507
V 292.401	V	0.00000000	mg/L	29.02595274	-	0.00000000	0.00000000	0.00000000	24.80358331	15.98634609	46.28792882
Zn 206.200	Zn	0.00000000	mg/L	27.58596256	-	0.00000000	0.00000000	0.00000000	27.85818172	34.28485407	20.61485189
Y 371.029	Y	1.00	Ratio	925504.33	0.00	1.00	1.00	1.00	922718.33	927209.93	926584.72
Y 371.029	Y-R	1.00	Ratio	202812.74	0.00	1.00	1.00	1.00	204923.66	202966.71	200547.85

Instrument ID: MET09

Label:	ICAL,L1,S17110	**Rack:Tube:**	S1:2	**Type:**	STD
Date Time:	9/20/2022 11:07:52 AM	**Flags:**	!	**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	116.37027054	-				200.21830611	70.72786909	78.16463642
Al 396.152	Al	0.00666667	mg/L	1092.70199512	-	0.00666667	0.00666667	0.00666667	1131.79654869	1120.72503887	1025.58439781
As 188.980	As	0.00333333	mg/L	19.15540119	-	0.00333333	0.00333333	0.00333333	13.17436499	19.88833980	24.40349877
B 249.678	B	0.00333333	mg/L	217.36584182	-	0.00333333	0.00333333	0.00333333	237.90302646	220.71283444	193.48166455
Ba 230.424	Ba	0.00333333	mg/L	419.48784487	-	0.00333333	0.00333333	0.00333333	388.19237397	422.39925359	447.87190707
Be 313.107	Be	0.00166667	mg/L	3693.21122845	-	0.00166667	0.00166667	0.00166667	3524.85227657	3722.72911384	3832.05229496
Ca 317.933	Ca-R	0.10000000	mg/L	3033.18361814	-	0.10000000	0.10000000	0.10000000	3030.99750815	3012.29854739	3056.25479888
Cd 214.439	Cd	0.00166667	mg/L	379.60926964	-	0.00166667	0.00166667	0.00166667	363.82804690	380.60942084	394.39034120
Co 230.786	Co	0.00166667	mg/L	96.29154385	-	0.00166667	0.00166667	0.00166667	98.74282496	88.60741529	101.52439131
Cr 267.716	Cr	0.00333333	mg/L	201.56234668	-	0.00333333	0.00333333	0.00333333	178.54951734	204.59580181	221.54172089
Cu 324.754	Cu	0.00333333	mg/L	1205.78012746	-	0.00333333	0.00333333	0.00333333	1232.06465301	1219.15352878	1166.12220059
Fe 259.940	Fe	0.00666667	mg/L	437.10992894	-	0.00666667	0.00666667	0.00666667	430.08321775	427.96858556	453.27798351
K 766.491	K-R	0.50000000	mg/L	614.63581561	-	0.50000000	0.50000000	0.50000000	619.55625261	585.27375224	639.07744200
Li 670.783	Li-R	0.00333333	mg/L	373.40784143	-	0.00333333	0.00333333	0.00333333	428.08023380	294.95808971	397.18520078
Mg 279.800	Mg-R	0.10000000	mg/L	264.51705069	-	0.10000000	0.10000000	0.10000000	269.82413748	268.63982403	255.08719055
Mn 257.610	Mn	0.00333333	mg/L	1601.28557323	-	0.00333333	0.00333333	0.00333333	1522.30612218	1622.73782202	1658.81277550
Mo 204.598	Mo	0.00333333	mg/L	65.62989644	-	0.00333333	0.00333333	0.00333333	66.22392987	72.26711328	58.39864616
Na 589.592	Na-R	0.50000000	mg/L	4859.46752810	-	0.50000000	0.50000000	0.50000000	4938.16919293	4794.50506185	4845.72832953
Ni 231.604	Ni	0.00333333	mg/L	73.59397244	-	0.00333333	0.00333333	0.00333333	70.33496617	67.36451926	83.08243189
P 177.434	P	1.00000000	mg/L	179.64792844	-	1.00000000	1.00000000	1.00000000	168.00538602	181.17469977	189.76369952
Pb 220.353	Pb	0.00333333	mg/L	16.75096387	-	0.00333333	0.00333333	0.00333333	13.08307552	12.95580864	24.21400745
S 181.972	S	1.00000000	mg/L	1281.54735182	-	1.00000000	1.00000000	1.00000000	1217.82707779	1295.66186147	1331.15311620
Sb 206.834	Sb	0.01000010	mg/L	14.94143381	-	0.01000010	0.01000010	0.01000010	6.96378386	19.33106128	18.52945630
Se 196.026	Se	0.01000001	mg/L	75.68186663	-	0.01000001	0.01000001	0.01000001	83.21243005	61.90349220	81.92967765
Si 251.611	Si	0.10000000	mg/L	817.32445059	-	0.10000000	0.10000000	0.10000000	775.92976665	821.35779492	854.68579019
Sn 189.925	Sn	0.00333333	mg/L	53.28884932	-	0.00333333	0.00333333	0.00333333	54.32390007	56.48445655	49.05819135
Sr 421.552	Sr-R	0.01666667	mg/L	6762.13851956	-	0.01666667	0.01666667	0.01666667	6759.56075726	6696.63717455	6830.21762686
Ti 334.941	Ti	0.00333333	mg/L	1295.88990718	-	0.00333333	0.00333333	0.00333333	1185.86252350	1258.51314302	1443.29405501
Tl 190.794	Tl	0.01000010	mg/L	26.98016517	-	0.01000010	0.01000010	0.01000010	18.59916261	27.19507939	35.14625352
V 292.401	V	0.00166667	mg/L	94.89696107	-	0.00166667	0.00166667	0.00166667	87.95074464	96.94604188	99.79409667
Zn 206.200	Zn	0.01000010	mg/L	636.92558486	-	0.01000010	0.01000010	0.01000010	601.65198765	643.93809187	665.18667508
Y 371.029	Y	0.99	Ratio	915463.63	0.45	0.99	0.99	0.99	911770.35	914786.11	919834.43
Y 371.029	Y-R	1.00	Ratio	201924.39	1.10	1.00	1.01	0.98	201929.20	204149.78	199694.21

Instrument ID: MET09

Label:	ICAL,L2,S17109,10x	**Rack:Tube:**	S1:3	**Type:**	STD
Date Time:	9/20/2022 11:11:14 AM	**Flags:**	!	**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	161.74760624	-				110.78295521	138.50091090	235.95895261
Al 396.152	Al	0.02000000	mg/L	1604.31849582	-	0.02000000	0.02000000	0.02000000	1586.78313309	1593.98821577	1632.18413859
As 188.980	As	0.01000000	mg/L	50.55331420	-	0.01000000	0.01000000	0.01000000	62.50599529	48.04422773	41.10971960
B 249.678	B	0.01000000	mg/L	436.19362742	-	0.01000000	0.01000000	0.01000000	423.57608655	441.95088780	443.05390790
Ba 230.424	Ba	0.01000000	mg/L	1084.25264766	-	0.01000000	0.01000000	0.01000000	1043.08621422	1085.55964812	1124.11208065
Be 313.107	Be	0.00500000	mg/L	10872.99092854	-	0.00500000	0.00500000	0.00500000	10317.11695675	10938.76312870	11363.09270018
Ca 317.933	Ca-R		mg/L	3130.94311531	-				3151.58253447	3117.47865950	3123.76815195
Cd 214.439	Cd	0.00500000	mg/L	1079.13209045	-	0.00500000	0.00500000	0.00500000	1014.29357687	1088.84341552	1134.25927895
Co 230.786	Co	0.00500000	mg/L	221.81570873	-	0.00500000	0.00500000	0.00500000	212.24953310	228.83504978	224.36254331
Cr 267.716	Cr	0.01000000	mg/L	624.00192035	-	0.01000000	0.01000000	0.01000000	602.73908813	606.14665925	663.12001367
Cu 324.754	Cu	0.01000000	mg/L	1491.47777647	-	0.01000000	0.01000000	0.01000000	1486.83599112	1485.25392646	1502.34341183
Fe 259.940	Fe	0.02000000	mg/L	1192.35528459	-	0.02000000	0.02000000	0.02000000	1127.66457628	1211.19373666	1238.20754083
K 766.491	K-R		mg/L	518.12336682	-				505.82106391	584.14020892	464.40882761
Li 670.783	Li-R	0.01000000	mg/L	981.88190715	-	0.01000000	0.01000000	0.01000000	1005.92954118	953.17701327	986.53916701
Mg 279.800	Mg-R		mg/L	266.43817999	-				266.14345078	266.45416918	266.71692002
Mn 257.610	Mn	0.01000000	mg/L	4677.09692028	-	0.01000000	0.01000000	0.01000000	4457.88134991	4700.68987105	4872.71953989
Mo 204.598	Mo	0.01000000	mg/L	148.40995097	-	0.01000000	0.01000000	0.01000000	136.78441984	154.97016236	153.47527072
Na 589.592	Na-R		mg/L	4989.56284164	-				5042.07773551	4993.72084719	4932.88994224
Ni 231.604	Ni	0.01000000	mg/L	217.21480276	-	0.01000000	0.01000000	0.01000000	228.63723711	212.02353928	210.98363190
P 177.434	P		mg/L	180.80784264	-				170.63395421	183.24850420	188.54106949
Pb 220.353	Pb	0.01000000	mg/L	86.09101404	-	0.01000000	0.01000000	0.01000000	86.56261160	101.23512642	70.47530410
S 181.972	S		mg/L	1292.70760941	-				1246.41846998	1294.09876435	1337.60559389
Sb 206.834	Sb	0.03000030	mg/L	89.86942083	-	0.03000030	0.03000030	0.03000030	72.22055096	104.81337586	92.57433566
Se 196.026	Se	0.03000003	mg/L	150.04630196	-	0.03000003	0.03000003	0.03000003	148.56666461	151.92540606	149.64683521
Si 251.611	Si		mg/L	838.27386307	-				799.01354572	845.21311630	870.59492719
Sn 189.925	Sn	0.01000000	mg/L	129.27382295	-	0.01000000	0.01000000	0.01000000	129.74583113	128.53459615	129.54104157
Sr 421.552	Sr-R	0.05000000	mg/L	20401.07962644	-	0.05000000	0.05000000	0.05000000	20468.43233879	20426.02095473	20308.78558579
Ti 334.941	Ti	0.01000000	mg/L	3497.25712886	-	0.01000000	0.01000000	0.01000000	3250.42784982	3567.60174664	3673.74179013
Tl 190.794	Tl	0.03000030	mg/L	93.06893402	-	0.03000030	0.03000030	0.03000030	90.31855209	94.52191016	94.36633980
V 292.401	V	0.00500000	mg/L	214.16557525	-	0.00500000	0.00500000	0.00500000	208.55887720	219.27752030	214.66032825
Zn 206.200	Zn	0.03000030	mg/L	1931.08524752	-	0.03000030	0.03000030	0.03000030	1835.12526833	1946.02700991	2012.10346433
Y 371.029	Y	0.98	Ratio	907974.92	0.61	0.97	0.98	0.98	901581.33	911112.02	911231.40
Y 371.029	Y-R	1.00	Ratio	202100.48	0.57	0.99	1.00	1.00	200968.70	202065.89	203266.86

Instrument ID: MET09

Label:	ICAL,L3,S17109	**Rack:Tube:**	S1:4	**Type:**	STD
Date Time:	9/20/2022 11:14:36 AM	**Flags:**	!	**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	132.64776135	-				111.55371916	173.31478982	113.07477506
Al 396.152	Al	0.20000000	mg/L	7732.52691450	-	0.20000000	0.20000000	0.20000000	7448.83961180	7780.79146618	7967.94966551
As 188.980	As	0.10000000	mg/L	493.08688246	-	0.10000000	0.10000000	0.10000000	471.68296652	500.37003214	507.20764871
B 249.678	B	0.10000000	mg/L	3424.67147673	-	0.10000000	0.10000000	0.10000000	3224.11901529	3488.50602355	3561.38939137
Ba 230.424	Ba	0.10000000	mg/L	10205.40267508	-	0.10000000	0.10000000	0.10000000	9722.57112448	10306.66483632	10586.97206442
Be 313.107	Be	0.05000000	mg/L	108761.76838287	-	0.05000000	0.05000000	0.05000000	103441.90554462	109776.93543523	113066.46416876
Ca 317.933	Ca-R		mg/L	2123.48008815	-				2129.52917063	2105.40017702	2135.51091680
Cd 214.439	Cd	0.05000000	mg/L	10485.29850840	-	0.05000000	0.05000000	0.05000000	9985.14292816	10595.08825892	10875.66433811
Co 230.786	Co	0.05000000	mg/L	1926.30079090	-	0.05000000	0.05000000	0.05000000	1828.56779163	1967.61799891	1982.71658216
Cr 267.716	Cr	0.10000000	mg/L	6494.61455363	-	0.10000000	0.10000000	0.10000000	6184.71468875	6535.79869129	6763.33028083
Cu 324.754	Cu	0.10000000	mg/L	4952.81402140	-	0.10000000	0.10000000	0.10000000	4790.23695616	4983.12394683	5085.08116120
Fe 259.940	Fe	0.20000000	mg/L	11211.09534972	-	0.20000000	0.20000000	0.20000000	10677.01739450	11317.54757409	11638.72108058
K 766.491	K-R		mg/L	106.00644558	-				97.49708984	113.81515285	106.70709406
Li 670.783	Li-R	0.10000000	mg/L	9826.75934787	-	0.10000000	0.10000000	0.10000000	9750.87994877	9682.80268093	10046.59541391
Mg 279.800	Mg-R		mg/L	55.88711299	-				59.99931137	54.01031372	53.65171388
Mn 257.610	Mn	0.10000000	mg/L	45603.19292182	-	0.10000000	0.10000000	0.10000000	43652.47135474	45966.08559999	47191.02181073
Mo 204.598	Mo	0.10000000	mg/L	1200.60723954	-	0.10000000	0.10000000	0.10000000	1149.90692752	1212.47929815	1239.43549294
Na 589.592	Na-R		mg/L	938.36344986	-				978.57739056	946.51899567	889.99396334
Ni 231.604	Ni	0.10000000	mg/L	2171.58003108	-	0.10000000	0.10000000	0.10000000	2070.58964115	2198.12680874	2246.02364335
P 177.434	P		mg/L	1.28238088	-				0.76454844	1.74275749	1.33983671
Pb 220.353	Pb	0.10000000	mg/L	1122.13970763	-	0.10000000	0.10000000	0.10000000	1066.51369012	1128.35973305	1171.54569973
S 181.972	S		mg/L	156.27742261	-				157.86870645	161.47756200	149.48599938
Sb 206.834	Sb	0.30000300	mg/L	1228.88581776	-	0.30000300	0.30000300	0.30000300	1165.89874826	1243.86828989	1276.89041512
Se 196.026	Se	0.30000030	mg/L	1115.63573788	-	0.30000030	0.30000030	0.30000030	1071.66609894	1115.25768781	1159.98342689
Si 251.611	Si		mg/L	65.45652179	-				61.51362527	68.79913183	66.05680828
Sn 189.925	Sn	0.10000000	mg/L	1151.35317615	-	0.10000000	0.10000000	0.10000000	1098.32084261	1170.29259661	1185.44608924
Sr 421.552	Sr-R	0.50000000	mg/L	203781.81094966	-	0.50000000	0.50000000	0.50000000	203281.23102804	202021.09834160	206043.10347935
Ti 334.941	Ti	0.10000000	mg/L	33994.55223878	-	0.10000000	0.10000000	0.10000000	32503.73338670	34432.05182770	35047.87150194
Tl 190.794	Tl	0.30000300	mg/L	1102.14929760	-	0.30000300	0.30000300	0.30000300	1035.87711694	1118.43137200	1152.13940386
V 292.401	V	0.05000000	mg/L	1829.39640992	-	0.05000000	0.05000000	0.05000000	1756.61237457	1841.82363966	1889.75321553
Zn 206.200	Zn	0.30000300	mg/L	18128.79490781	-	0.30000300	0.30000300	0.30000300	17267.66991747	18344.51711583	18774.19769012
Y 371.029	Y	0.98	Ratio	908750.70	0.74	0.97	0.98	0.99	902004.85	908885.63	915361.63
Y 371.029	Y-R	0.99	Ratio	201357.50	1.02	1.00	1.00	0.98	202063.19	202960.05	199049.26

Instrument ID: MET09

Label:	ICAL,L4,S17108	**Rack:Tube:**	S1:5	**Type:**	STD
Date Time:	9/20/2022 11:17:58 AM	**Flags:**	!	**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	94.02201663	-				108.17714757	102.03796414	71.85093817
Al 396.152	Al	2.00000000	mg/L	70742.65974063	-	2.00000000	2.00000000	2.00000000	68808.27374103	70794.16149992	72625.54398094
As 188.980	As	1.00000000	mg/L	5048.98860838	-	1.00000000	1.00000000	1.00000000	4901.61983396	5051.48223270	5193.86375848
B 249.678	B	1.00000000	mg/L	34452.09665087	-	1.00000000	1.00000000	1.00000000	33136.63615198	34659.76709847	35559.88670218
Ba 230.424	Ba	1.00000000	mg/L	103233.91623486	-	1.00000000	1.00000000	1.00000000	99911.57412300	103198.85293138	106591.32165019
Be 313.107	Be	0.50000000	mg/L	1112361.64791797	-	0.50000000	0.50000000	0.50000000	1078604.18715497	1112760.47144743	1145720.28515151
Ca 317.933	Ca-R		mg/L	2125.08462121	-				2113.36292165	2112.44892611	2149.44201586
Cd 214.439	Cd	0.50000000	mg/L	105951.89326829	-	0.50000000	0.50000000	0.50000000	102699.70841300	105822.65068801	109333.32070386
Co 230.786	Co	0.50000000	mg/L	19925.55392138	-	0.50000000	0.50000000	0.50000000	19345.28723127	19995.95643394	20435.41809894
Cr 267.716	Cr	1.00000000	mg/L	66021.91967689	-	1.00000000	1.00000000	1.00000000	64134.63578781	66152.20937966	67778.91386320
Cu 324.754	Cu	1.00000000	mg/L	41676.45667131	-	1.00000000	1.00000000	1.00000000	40508.07329249	41797.10223492	42724.19448652
Fe 259.940	Fe	2.00000000	mg/L	114270.64698050	-	2.00000000	2.00000000	2.00000000	110925.03458694	114550.33307484	117336.57327974
K 766.491	K-R		mg/L	91.69776823	-				83.76464949	50.38991612	140.93873908
Li 670.783	Li-R	1.00000000	mg/L	99635.57753301	-	1.00000000	1.00000000	1.00000000	99467.29411908	98989.34054039	100450.09793956
Mg 279.800	Mg-R		mg/L	46.98194474	-				47.91601862	44.74508406	48.28473153
Mn 257.610	Mn	1.00000000	mg/L	462281.85573028	-	1.00000000	1.00000000	1.00000000	448649.31586265	463415.60814889	474780.64317929
Mo 204.598	Mo	1.00000000	mg/L	11941.89158028	-	1.00000000	1.00000000	1.00000000	11574.54374654	11971.45905050	12279.67194379
Na 589.592	Na-R		mg/L	5132.15047751	-				5167.31883107	5102.54521440	5126.58738705
Ni 231.604	Ni	1.00000000	mg/L	22446.24798840	-	1.00000000	1.00000000	1.00000000	21797.85094265	22517.73028875	23023.16273381
P 177.434	P		mg/L	1.24584376	-				1.02304786	2.40548214	0.30900127
Pb 220.353	Pb	1.00000000	mg/L	11809.43484975	-	1.00000000	1.00000000	1.00000000	11481.47305814	11827.46810367	12119.36338744
S 181.972	S		mg/L	161.23238425	-				164.53416249	160.41819294	158.74479733
Sb 206.834	Sb	3.00003000	mg/L	12806.15411896	-	3.00003000	3.00003000	3.00003000	12431.30696529	12848.79065414	13138.36473746
Se 196.026	Se	3.00000300	mg/L	10912.63964772	-	3.00000300	3.00000300	3.00000300	10613.45323405	10932.37090844	11192.09480069
Si 251.611	Si		mg/L	188.59180189	-				195.23238409	181.71146125	188.83156034
Sn 189.925	Sn	1.00000000	mg/L	11639.20938548	-	1.00000000	1.00000000	1.00000000	11287.04819798	11679.86367288	11950.71628557
Sr 421.552	Sr-R	5.00000000	mg/L	2068628.53011753	-	5.00000000	5.00000000	5.00000000	2087643.31876715	2029110.88592242	2089131.38566301
Ti 334.941	Ti	1.00000000	mg/L	346424.34904280	-	1.00000000	1.00000000	1.00000000	335750.62834583	346294.85952330	357227.55925928
Tl 190.794	Tl	3.00003000	mg/L	11338.16364035	-	3.00003000	3.00003000	3.00003000	10974.87288002	11355.96980768	11683.64823334
V 292.401	V	0.50000000	mg/L	18399.23602229	-	0.50000000	0.50000000	0.50000000	17867.11363006	18436.03050962	18894.56392719
Zn 206.200	Zn	3.00003000	mg/L	182895.74043297	-	3.00003000	3.00003000	3.00003000	176896.99879723	183335.48156600	188454.74093570
Y 371.029	Y	0.99	Ratio	913760.42	0.27	0.98	0.99	0.99	910953.33	915638.85	914689.08
Y 371.029	Y-R	0.99	Ratio	199874.83	0.83	0.99	0.99	0.98	200570.41	201078.42	197975.68

Instrument ID: MET09

Label:	ICAL,L5,S17107,2X	**Rack:Tube:**	S1:6	**Type:**	STD
Date Time:	9/20/2022 11:21:20 AM	**Flags:**	!	**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	116.39179347	-				139.12542260	106.68816737	103.36179044
Al 396.152	Al	10.00000000	mg/L	348651.09131823	-	10.00000000	10.00000000	10.00000000	330376.84502018	353104.09937535	362472.32955915
As 188.980	As	5.00000000	mg/L	25027.03519154	-	5.00000000	5.00000000	5.00000000	23745.72925997	25376.83272793	25958.54358671
B 249.678	B	5.00000000	mg/L	171288.70604308	-	5.00000000	5.00000000	5.00000000	161156.97020764	175751.39099129	176957.75693033
Ba 230.424	Ba	5.00000000	mg/L	500122.75076805	-	5.00000000	5.00000000	5.00000000	465845.53897706	509330.18404969	525192.52927741
Be 313.107	Be	2.50000000	mg/L	5520022.25359573	-	2.50000000	2.50000000	2.50000000	5208364.75982788	5599992.97197211	5751709.02898719
Ca 317.933	Ca-R		mg/L	2016.67433832	-				2020.10976237	2015.98545713	2013.92779545
Cd 214.439	Cd	2.50000000	mg/L	508536.54377045	-	2.50000000	2.50000000	2.50000000	478379.57836738	513300.87586319	533929.17708079
Co 230.786	Co	2.50000000	mg/L	96735.65424592	-	2.50000000	2.50000000	2.50000000	91526.26801549	98214.26692315	100466.42779912
Cr 267.716	Cr	5.00000000	mg/L	323970.80576212	-	5.00000000	5.00000000	5.00000000	307514.89025872	327943.32980932	336454.19721831
Cu 324.754	Cu	5.00000000	mg/L	202799.78930825	-	5.00000000	5.00000000	5.00000000	192218.85131816	205207.15295254	210973.36365404
Fe 259.940	Fe	10.00000000	mg/L	554047.84267691	-	10.00000000	10.00000000	10.00000000	525543.23544954	561661.90670274	574938.38587847
K 766.491	K-R		mg/L	107.74944786	-				97.03910298	126.07131004	100.13793055
Li 670.783	Li-R	5.00000000	mg/L	492465.50932263	-	5.00000000	5.00000000	5.00000000	492411.44630311	493495.07022025	491490.01144452
Mg 279.800	Mg-R		mg/L	103.87946615	-				90.91726185	112.89940021	107.82173639
Mn 257.610	Mn	5.00000000	mg/L	2229294.08489337	-	5.00000000	5.00000000	5.00000000	2113575.18527320	2259782.30379797	2314524.76560895
Mo 204.598	Mo	5.00000000	mg/L	58982.67385374	-	5.00000000	5.00000000	5.00000000	55965.73892731	59549.57672391	61432.70590999
Na 589.592	Na-R		mg/L	20063.31480316	-				20081.41897458	20074.54754796	20033.97788693
Ni 231.604	Ni	5.00000000	mg/L	108890.30883551	-	5.00000000	5.00000000	5.00000000	103060.17472555	110580.24995319	113030.50182781
P 177.434	P		mg/L	-0.41183658	-				-0.04389548	-1.08957770	-0.10203656
Pb 220.353	Pb	5.00000000	mg/L	57248.86147194	-	5.00000000	5.00000000	5.00000000	54267.98390374	58071.45993070	59407.14058138
S 181.972	S		mg/L	178.60924564	-				166.52838776	184.05554106	185.24380809
Sb 206.834	Sb	15.00015000	mg/L	63367.11914244	-	15.00015000	15.00015000	15.00015000	60026.77678097	64254.26546317	65820.31518318
Se 196.026	Se		mg/L	47.48135994	-				46.62290637	49.14306357	46.67810987
Si 251.611	Si		mg/L	703.28796258	-				661.61435153	713.30580361	734.94373262
Sn 189.925	Sn	5.00000000	mg/L	56862.59055353	-	5.00000000	5.00000000	5.00000000	53930.79206408	57502.68084451	59154.29875201
Sr 421.552	Sr-R	25.00000000	mg/L	10084634.23494090	-	25.00000000	25.00000000	25.00000000	10153257.87485310	10122459.57674750	9978185.25322201
Ti 334.941	Ti	5.00000000	mg/L	1691136.37571336	-	5.00000000	5.00000000	5.00000000	1600047.67827167	1710925.38414165	1762436.06472676
Tl 190.794	Tl	15.00015000	mg/L	55286.39617087	-	15.00015000	15.00015000	15.00015000	52248.96598011	56067.02575236	57543.19678013
V 292.401	V	2.50000000	mg/L	90591.63033307	-	2.50000000	2.50000000	2.50000000	85910.83488190	91656.81127890	94207.24483842
Zn 206.200	Zn	15.00015000	mg/L	877573.84020307	-	15.00015000	15.00015000	15.00015000	830195.12585013	887855.76708524	914670.62767384
Y 371.029	Y	0.98	Ratio	907164.89	0.62	0.97	0.98	0.99	901601.94	907099.60	912793.13
Y 371.029	Y-R	0.99	Ratio	201542.57	0.42	0.99	0.99	1.00	201063.72	201054.14	202509.85

Instrument ID: MET09

Label:	ICAL,L6,S17107	**Rack:Tube:**	S1:7	**Type:**	STD
Date Time:	9/20/2022 11:24:42 AM	**Flags:**	!	**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	81.97285505	-				75.39887068	100.83554090	69.68415357
Al 396.152	Al	20.00000000	mg/L	697955.96799012	-	20.00000000	20.00000000	20.00000000	664173.62166720	699023.51375967	730670.76854349
As 188.980	As	10.00000000	mg/L	49936.71856368	-	10.00000000	10.00000000	10.00000000	47500.82229684	50129.73006211	52179.60333211
B 249.678	B	10.00000000	mg/L	343192.32745229	-	10.00000000	10.00000000	10.00000000	326123.12306984	347511.14907199	355942.71021506
Ba 230.424	Ba	10.00000000	mg/L	1005334.50458058	-	10.00000000	10.00000000	10.00000000	959356.98001087	1004088.37897064	1052558.15476023
Be 313.107	Be	5.00000000	mg/L	11006414.73696180	-	5.00000000	5.00000000	5.00000000	10525538.35296450	11038716.67368610	11454989.18423490
Ca 317.933	Ca-R		mg/L	2078.53091250	-				2114.08620852	2089.71000662	2031.79652237
Cd 214.439	Cd	5.00000000	mg/L	1007098.15755431	-	5.00000000	5.00000000	5.00000000	965327.01947153	1004695.32912414	1051272.12406726
Co 230.786	Co	5.00000000	mg/L	193469.11840557	-	5.00000000	5.00000000	5.00000000	183542.48416378	194734.56584078	202130.30521214
Cr 267.716	Cr	10.00000000	mg/L	644729.34205053	-	10.00000000	10.00000000	10.00000000	615245.57817117	647231.73171898	671710.71626145
Cu 324.754	Cu	10.00000000	mg/L	409305.45557211	-	10.00000000	10.00000000	10.00000000	389318.26273908	411008.91751292	427589.18646433
Fe 259.940	Fe	20.00000000	mg/L	1102136.20023720	-	20.00000000	20.00000000	20.00000000	1050475.54331730	1106726.57014504	1149206.48724925
K 766.491	K-R		mg/L	97.28642503	-				123.05239102	87.52016489	81.28671917
Li 670.783	Li-R	10.00000000	mg/L	999132.76675602	-	10.00000000	10.00000000	10.00000000	1010251.69344018	990837.88247399	996308.72435390
Mg 279.800	Mg-R		mg/L	165.21234966	-				163.62781477	174.78234195	157.22689227
Mn 257.610	Mn	10.00000000	mg/L	4405816.62297549	-	10.00000000	10.00000000	10.00000000	4202832.85132904	4436712.53879087	4577904.47880657
Mo 204.598	Mo	10.00000000	mg/L	117754.68679437	-	10.00000000	10.00000000	10.00000000	112874.64327457	118088.98097889	122300.43612967
Na 589.592	Na-R		mg/L	40646.96888111	-				41139.57948788	40329.68879960	40471.63835586
Ni 231.604	Ni	10.00000000	mg/L	217781.43552550	-	10.00000000	10.00000000	10.00000000	206748.73111053	219007.25156141	227588.32390456
P 177.434	P		mg/L	-3.74001601	-				-6.51240299	-3.12440352	-1.58324152
Pb 220.353	Pb	10.00000000	mg/L	113544.66305664	-	10.00000000	10.00000000	10.00000000	108191.24118040	113969.15516530	118473.59282420
S 181.972	S		mg/L	201.20061076	-				198.76588160	199.00106315	205.83488753
Sb 206.834	Sb	30.00030000	mg/L	127112.15124475	-	30.00030000	30.00030000	30.00030000	120964.85999778	127581.25613357	132790.33760290
Se 196.026	Se		mg/L	45.18536198	-				44.39908245	42.59063026	48.56637323
Si 251.611	Si		mg/L	1399.85451564	-				1331.10501574	1398.61148472	1469.84704648
Sn 189.925	Sn	10.00000000	mg/L	113324.21977903	-	10.00000000	10.00000000	10.00000000	107927.63042123	113649.24535223	118395.78356363
Sr 421.552	Sr-R	50.00000000	mg/L	20253321.91043750	-	50.00000000	50.00000000	50.00000000	20497760.10225910	19902249.54488340	20359956.08417010
Ti 334.941	Ti	10.00000000	mg/L	3390594.02431236	-	10.00000000	10.00000000	10.00000000	3224885.66296971	3385121.63252577	3561774.77744160
Tl 190.794	Tl	30.00030000	mg/L	109773.30735129	-	30.00030000	30.00030000	30.00030000	104025.02658586	110217.29345368	115077.60201433
V 292.401	V	5.00000000	mg/L	182190.84538665	-	5.00000000	5.00000000	5.00000000	173292.65390715	182732.08198146	190547.80027135
Zn 206.200	Zn	30.00030000	mg/L	1707306.63306245	-	30.00030000	30.00030000	30.00030000	1625947.51719668	1708426.65082587	1787545.73116480
Y 371.029	Y	0.96	Ratio	893043.26	0.64	0.96	0.96	0.97	888607.77	891026.28	899495.72
Y 371.029	Y-R	0.97	Ratio	197511.30	0.73	0.97	0.97	0.98	196027.89	197594.20	198911.82

Instrument ID: MET09

Label:	ICAL,L7,S16645	**Rack:Tube:**	S1:8	**Type:**	STD
Date Time:	9/20/2022 11:28:05 AM	**Flags:**	!	**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	2.00000000	mg/L	153542.04503730	-	2.00000000	2.00000000	2.00000000	146596.21890505	155214.00135954	158815.91484731
Al 396.152	Al		mg/L	988.16593599	-				1019.64797907	990.74998636	954.09984253
As 188.980	As		mg/L	9.12434033	-				5.14588693	6.99739996	15.22973411
B 249.678	B		mg/L	324.45373250	-				369.31897530	321.81342700	282.22879519
Ba 230.424	Ba		mg/L	119.91315405	-				133.57839070	116.23822295	109.92284849
Be 313.107	Be		mg/L	393.24861245	-				410.56035609	386.97099715	382.21448411
Ca 317.933	Ca-R		mg/L	1984.52182502	-				2016.74923062	1952.23195688	1984.58428756
Cd 214.439	Cd		mg/L	83.31972999	-				93.97074718	65.08821444	90.90022835
Co 230.786	Co		mg/L	53.61727227	-				59.78169388	49.07274165	51.99738128
Cr 267.716	Cr		mg/L	1.22012555	-				9.11342611	-7.39652502	1.94347556
Cu 324.754	Cu		mg/L	1110.45947297	-				1102.64789783	1127.45098047	1101.27954062
Fe 259.940	Fe		mg/L	119.29069890	-				117.11840768	121.80670136	118.94698766
K 766.491	K-R		mg/L	106.14150366	-				98.19243486	138.99981808	81.23225804
Li 670.783	Li-R		mg/L	19.64742332	-				51.08159721	29.40634440	-21.54567165
Mg 279.800	Mg-R		mg/L	49.05495961	-				45.21032009	47.04656342	54.90799532
Mn 257.610	Mn		mg/L	188.67184836	-				198.47647137	196.51018717	171.02888653
Mo 204.598	Mo		mg/L	31.86915611	-				30.59997224	32.30682522	32.70067087
Na 589.592	Na-R		mg/L	369.62967334	-				441.29777492	316.22035126	351.37089385
Ni 231.604	Ni		mg/L	4.75035061	-				7.84213021	3.44729201	2.96162961
P 177.434	P		mg/L	3.25434903	-				1.84457027	3.96049012	3.95798669
Pb 220.353	Pb		mg/L	-21.28921241	-				-24.74684098	-4.61845682	-34.50233945
S 181.972	S		mg/L	156.58846025	-				154.79829905	154.59750833	160.36957337
Sb 206.834	Sb		mg/L	-24.82697170	-				-33.64216199	-23.09644791	-17.74230518
Se 196.026	Se		mg/L	30.76338571	-				41.23542595	26.02566446	25.02906672
Si 251.611	Si		mg/L	128.92779182	-				117.39273441	133.35654770	136.03409336
Sn 189.925	Sn		mg/L	24.43222509	-				31.38491526	27.21232784	14.69943216
Sr 421.552	Sr-R		mg/L	206.76719762	-				195.92887720	211.76064101	212.61207465
Ti 334.941	Ti		mg/L	182.70463687	-				186.47346002	124.75546325	236.88498733
Tl 190.794	Tl		mg/L	0.91226577	-				1.84259510	3.57213680	-2.67793461
V 292.401	V		mg/L	47.40135932	-				49.25240821	42.56708068	50.38458907
Zn 206.200	Zn		mg/L	88.05838647	-				92.02149305	92.90069748	79.25296889
Y 371.029	Y	0.99	Ratio	918356.70	0.33	0.99	0.99	1.00	915884.72	917502.94	921682.44
Y 371.029	Y-R	1.00	Ratio	202495.66	1.80	0.99	1.02	0.99	200534.87	206711.84	200240.29

Instrument ID: MET09

Label:	ICAL,L8,S17115	**Rack:Tube:**	S1:9	**Type:**	STD
Date Time:	9/20/2022 11:31:26 AM	**Flags:**	!	**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	209.41204347	-				241.19169049	182.56818770	204.47625223
Al 396.152	Al		mg/L	865.04411487	-				900.69449847	837.26736232	857.17048382
As 188.980	As		mg/L	8.44514947	-				4.25453847	18.29048325	2.79042668
B 249.678	B		mg/L	182.32093512	-				176.14992021	197.69737354	173.11551160
Ba 230.424	Ba		mg/L	94.52315807	-				93.25337152	109.80046846	80.51563423
Be 313.107	Be		mg/L	336.01648308	-				365.07647215	309.63055783	333.34241925
Ca 317.933	Ca-R	10.00000000	mg/L	110376.83366120	-	10.00000000	10.00000000	10.00000000	110047.13956567	111058.40661280	110024.95480513
Cd 214.439	Cd		mg/L	67.99728410	-				54.74954986	72.98304996	76.25925247
Co 230.786	Co		mg/L	55.47948178	-				54.08038915	48.71737981	63.64067640
Cr 267.716	Cr		mg/L	9.63771948	-				22.47329557	2.26160770	4.17825516
Cu 324.754	Cu		mg/L	1102.78393121	-				1097.51908602	1117.86611279	1092.96659483
Fe 259.940	Fe		mg/L	167.40468636	-				181.30355475	160.48290285	160.42760147
K 766.491	K-R	50.00000000	mg/L	62910.33090736	-	50.00000000	50.00000000	50.00000000	62685.81930268	63416.87221840	62628.30120099
Li 670.783	Li-R		mg/L	-9.68526369	-				81.86912442	-119.17029501	8.24537951
Mg 279.800	Mg-R	10.00000000	mg/L	20783.55989623	-	10.00000000	10.00000000	10.00000000	20722.90267202	20926.11450482	20701.66251185
Mn 257.610	Mn		mg/L	170.76827914	-				166.15287959	183.72359037	162.42836745
Mo 204.598	Mo		mg/L	39.96224257	-				45.95884676	34.98687614	38.94100483
Na 589.592	Na-R	50.00000000	mg/L	447645.35894038	-	50.00000000	50.00000000	50.00000000	446305.56535993	450461.09020185	446169.42125935
Ni 231.604	Ni		mg/L	14.04542757	-				3.10866384	30.33699884	8.69062003
P 177.434	P		mg/L	2.62589320	-				1.84982313	3.37393911	2.65391737
Pb 220.353	Pb		mg/L	-33.99937180	-				-41.81772374	-27.71786979	-32.46252186
S 181.972	S		mg/L	160.75823302	-				155.11494567	165.62453157	161.53522181
Sb 206.834	Sb		mg/L	-23.57339911	-				-31.81071235	-20.16976052	-18.73972448
Se 196.026	Se		mg/L	32.40494244	-				32.22895212	37.03464653	27.95122867
Si 251.611	Si	10.00000000	mg/L	80474.74426973	-	10.00000000	10.00000000	10.00000000	77660.48284428	81039.56891436	82724.18105055
Sn 189.925	Sn		mg/L	23.04105992	-				27.84450185	22.29872484	18.97995306
Sr 421.552	Sr-R		mg/L	204.46014331	-				183.93563038	225.32400995	204.12078959
Ti 334.941	Ti		mg/L	172.33001010	-				134.58007269	207.76420067	174.64575694
Tl 190.794	Tl		mg/L	-0.01557547	-				-2.60596592	2.03641017	0.52282935
V 292.401	V		mg/L	38.13971427	-				20.47059348	39.74455586	54.20399347
Zn 206.200	Zn		mg/L	64.66580569	-				59.22309112	72.04431258	62.73001339
Y 371.029	Y	0.97	Ratio	894384.15	0.48	0.97	0.97	0.96	893230.01	899123.99	890798.45
Y 371.029	Y-R	0.97	Ratio	196528.77	0.43	0.97	0.96	0.97	197131.49	195559.81	196895.01

Instrument ID:	MET09

Label:	ICAL,L9,S17113	Rack:Tube:	S1:10	Type:	STD
Date Time:	9/20/2022 11:34:48 AM	Flags:	!	Weight:	-
Volume:	-	Dilution:	-	LIMSID:	
Customer:		Customer Ref.:		Sample Date Time:	
Sample Site:		Description:		Flags Replicate 1:	
Flags Replicate 2:		Flags Replicate 3:			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	150.46341459	-				148.52326367	160.54233314	142.32464697
Al 396.152	Al		mg/L	858.59071697	-				862.70703819	876.57767647	836.48743623
As 188.980	As		mg/L	8.37812103	-				9.62452814	8.05140135	7.45843359
B 249.678	B		mg/L	141.13946747	-				145.69888165	140.22888508	137.49063567
Ba 230.424	Ba		mg/L	121.87436109	-				131.92451604	105.97189274	127.72667449
Be 313.107	Be		mg/L	248.36319211	-				251.09631356	232.24255490	261.75070786
Ca 317.933	Ca-R		mg/L	1969.46114565	-				2009.20174719	1972.57389614	1926.60779363
Cd 214.439	Cd		mg/L	53.74073270	-				77.41365656	36.18122791	47.62731362
Co 230.786	Co		mg/L	53.05472217	-				41.81426905	48.76565884	68.58423862
Cr 267.716	Cr		mg/L	11.96667316	-				11.40305423	11.26995543	13.22700982
Cu 324.754	Cu		mg/L	1097.09266432	-				1108.39626094	1105.17781783	1077.70391421
Fe 259.940	Fe		mg/L	72.01308638	-				63.29296584	86.96310245	65.78319086
K 766.491	K-R		mg/L	92.35113434	-				85.18033728	115.87553358	75.99753215
Li 670.783	Li-R		mg/L	10.74836140	-				6.40269927	-41.85786236	67.70024730
Mg 279.800	Mg-R		mg/L	55.44790187	-				56.74808477	54.66845815	54.92716269
Mn 257.610	Mn		mg/L	139.00992424	-				157.73466395	145.62773532	113.66737345
Mo 204.598	Mo		mg/L	38.11520975	-				39.03213138	35.52662538	39.78687249
Na 589.592	Na-R		mg/L	355.47742001	-				401.62399877	324.43541018	340.37285107
Ni 231.604	Ni		mg/L	1.55485794	-				10.95420277	-11.35843956	5.06881062
P 177.434	P	10.00000000	mg/L	1835.71239800	-	10.00000000	10.00000000	10.00000000	1752.87466720	1854.45988823	1899.80263856
Pb 220.353	Pb		mg/L	-24.75994797	-				-24.69435563	-29.11989868	-20.46558962
S 181.972	S	10.00000000	mg/L	11432.13524670	-	10.00000000	10.00000000	10.00000000	10923.24656915	11544.57035300	11828.58881796
Sb 206.834	Sb		mg/L	-29.93201854	-				-20.89305432	-29.44702106	-39.45598026
Se 196.026	Se		mg/L	26.25835340	-				28.51935197	22.50262122	27.75308701
Si 251.611	Si		mg/L	55.57416452	-				49.21748840	56.45937511	61.04563005
Sn 189.925	Sn		mg/L	21.22812496	-				24.62377832	13.66171368	25.39888288
Sr 421.552	Sr-R		mg/L	96.70285319	-				90.19429964	112.24906013	87.66519980
Ti 334.941	Ti		mg/L	162.86303838	-				110.04666741	89.52627600	289.01617171
Tl 190.794	Tl		mg/L	-0.77990513	-				0.21671557	-5.68810867	3.13167771
V 292.401	V		mg/L	25.91048097	-				-0.81042588	51.62571562	26.91615316
Zn 206.200	Zn		mg/L	54.17231701	-				48.14672462	53.35384019	61.01638624
Y 371.029	Y	0.99	Ratio	913567.64	0.31	0.98	0.99	0.99	910378.05	914623.75	915701.11
Y 371.029	Y-R	0.99	Ratio	200017.29	1.25	0.97	0.99	1.00	197161.40	201087.96	201802.51

Instrument ID: MET09

Label: ICAL,L10,S17048 **Rack:Tube:** S1:11 **Type:** STD

Date Time: 9/20/2022 11:38:10 AM **Flags:** ! **Weight:** -

Volume: - **Dilution:** - **LIMS ID:**

Customer: **Customer Ref.:** **Sample Date Time:**

Sample Site: **Description:** **Flags Replicate 1:**

Flags Replicate 2: **Flags Replicate 3:**

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	156.99752588	-				185.10797789	207.03982208	78.84477766
Al 396.152	Al		mg/L	745.49463213	-				788.28514915	704.18561134	744.01313590
As 188.980	As		mg/L	9.44994851	-				10.41191866	11.32214016	6.61578669
B 249.678	B		mg/L	139.12550376	-				152.85612248	127.81497390	136.70541490
Ba 230.424	Ba		mg/L	136.53167452	-				149.05124460	126.14872402	134.39505494
Be 313.107	Be		mg/L	245.81213438	-				274.03095791	221.88401013	241.52143511
Ca 317.933	Ca-R	200.00000000	mg/L	2118566.56731680	-	200.00000000	200.00000000	200.00000000	2096806.16686021	2120323.97434977	2138569.56074042
Cd 214.439	Cd		mg/L	52.98021027	-				37.25392052	58.74051780	62.94619250
Co 230.786	Co		mg/L	51.22169766	-				53.78009445	55.96635744	43.91864110
Cr 267.716	Cr		mg/L	0.70238930	-				-0.01728611	-16.09344698	18.21790098
Cu 324.754	Cu		mg/L	1131.77964830	-				1146.93026162	1102.21968447	1146.18899879
Fe 259.940	Fe		mg/L	13.85832512	-				17.82270105	16.28275452	7.46951978
K 766.491	K-R	200.00000000	mg/L	261604.15137358	-	200.00000000	200.00000000	200.00000000	258793.68057641	262122.31397863	263896.45956571
Li 670.783	Li-R		mg/L	204.78162348	-				236.65014978	152.66502108	225.02969959
Mg 279.800	Mg-R	200.00000000	mg/L	411791.23333216	-	200.00000000	200.00000000	200.00000000	407395.84766046	412673.58961074	415304.26272529
Mn 257.610	Mn		mg/L	216.76647163	-				215.27037599	228.76477593	206.26426296
Mo 204.598	Mo		mg/L	29.25128345	-				35.28805968	31.96851113	20.49727956
Na 589.592	Na-R	200.00000000	mg/L	1828082.75233745	-	200.00000000	200.00000000	200.00000000	1808598.01537674	1831711.91830488	1843938.32333074
Ni 231.604	Ni		mg/L	41.05448377	-				36.39630994	44.75606881	42.01107257
P 177.434	P		mg/L	1.70229744	-				2.08475945	0.66527148	2.35686138
Pb 220.353	Pb		mg/L	-33.36303536	-				-37.21015072	-14.19279743	-48.68615794
S 181.972	S		mg/L	166.71881922	-				168.88416636	161.75302460	169.51926671
Sb 206.834	Sb		mg/L	-35.67925691	-				-32.43616459	-37.72446070	-36.87714544
Se 196.026	Se		mg/L	40.07516460	-				38.90597976	49.28850543	32.03100860
Si 251.611	Si		mg/L	50.42065338	-				53.22347207	47.87653848	50.16194959
Sn 189.925	Sn		mg/L	20.61263180	-				29.69046299	12.53243487	19.61499754
Sr 421.552	Sr-R		mg/L	1138.05401891	-				1143.33961259	1129.43465917	1141.38778496
Ti 334.941	Ti		mg/L	137.24979951	-				76.06645995	176.87377786	158.80916074
Tl 190.794	Tl		mg/L	0.75882461	-				0.49983928	-2.48838257	4.26501711
V 292.401	V		mg/L	33.00768900	-				59.11197366	16.42643513	23.48465820
Zn 206.200	Zn		mg/L	69.89722560	-				73.43122149	64.08320444	72.17725086
Y 371.029	Y	0.92	Ratio	852954.28	0.70	0.91	0.92	0.93	846223.90	855114.36	857524.58
Y 371.029	Y-R	0.93	Ratio	188146.22	0.94	0.94	0.92	0.92	190163.03	186895.89	187379.73

Instrument ID: MET09

Label:	ICV,S17211	**Rack:Tube:**	S1:12	**Type:**	QC
Date Time:	9/20/2022 11:41:33 AM	**Flags:**	!	**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.52061326	mg/L	40140.54158210	2.92121019	0.50396877	0.52408677	0.53378425	38864.27723092	40406.88254316	41150.46497224
Al 396.152	Al	1.06338011	mg/L	38402.02431433	2.98806519	1.02898764	1.06950897	1.09164372	37189.13706058	38618.16514284	39398.77073955
As 188.980	As	1.04588009	mg/L	5214.78456011	2.82515795	1.01334665	1.05324445	1.07104916	5052.74956799	5251.46326697	5340.14084537
B 249.678	B	1.01695129	mg/L	34928.65707247	2.89730539	0.98527824	1.02202903	1.04354661	33848.78376059	35101.77931733	35835.40813951
Ba 230.424	Ba	0.98886302	mg/L	100197.50659253	2.89341184	0.96042200	0.98852430	1.01764275	97318.37110422	100163.21794153	103110.93073185
Be 313.107	Be	1.03811574	mg/L	2268289.17298116	2.99043480	1.00417363	1.04510226	1.06507132	2194130.84865208	2283553.65550022	2327183.01479119
Ca 317.933	Ca-R	99.33434679	mg/L	1072634.86872626	1.78851390	98.38151053	101.38411021	98.23741961	1062365.17824179	1094727.26490329	1060812.16303369
Cd 214.439	Cd	0.98672306	mg/L	204300.61792176	2.77089209	0.95817521	0.98932234	1.01267163	198390.89295421	204838.69818424	209672.26262684
Co 230.786	Co	0.99583482	mg/L	38665.21804681	2.55159144	0.97150192	0.99380331	1.02219923	37721.06304030	38586.39200154	39688.19909860
Cr 267.716	Cr	0.98466716	mg/L	64196.37765611	2.89760226	0.95439797	0.98853713	1.01106639	62222.68274613	64448.71773378	65917.73248843
Cu 324.754	Cu	1.01696414	mg/L	42525.37551282	2.97311153	0.98461012	1.02177907	1.04450324	41207.49788281	42721.50231966	43647.12633599
Fe 259.940	Fe	0.99314326	mg/L	57044.01782702	2.77903672	0.96354630	0.99770627	1.01817721	55348.80725686	57305.37086222	58477.87536199
K 766.491	K-R	109.96916051	mg/L	139787.72086741	1.76182545	108.83218695	112.20625079	108.86904379	138343.14191497	142630.05040205	138389.97028521
Li 670.783	Li-R	1.00642109	mg/L	99284.11796338	1.67663129	0.99555227	1.02586023	0.99785078	98212.31086419	101201.07004299	98438.97298296
Mg 279.800	Mg-R	99.99551626	mg/L	206740.50305353	1.69973546	99.08924139	101.95624812	98.94105928	204867.40228595	210792.96930301	204561.13757162
Mn 257.610	Mn	0.98498967	mg/L	447741.00295047	2.89587003	0.95462588	0.98911943	1.01122371	433943.09766528	449617.64746498	459662.26372113
Mo 204.598	Mo	1.05390259	mg/L	12491.03880099	3.05357349	1.01942627	1.05913248	1.08314902	12083.32956305	12552.88635389	12836.90048602
Na 589.592	Na-R	99.14834092	mg/L	897944.07110302	1.88616576	98.04777229	101.30761350	98.08963698	888057.70581437	917340.73286235	888433.77463233
Ni 231.604	Ni	0.96593014	mg/L	21316.01441421	2.83161574	0.93687494	0.96973642	0.99117908	20675.35815649	21399.94129531	21872.74379082
P 177.434	P	5.69192766	mg/L	1034.19801910	2.81257236	5.51653804	5.72905037	5.83019456	1002.41554406	1040.92505132	1059.25346192
Pb 220.353	Pb	0.96867545	mg/L	11242.99139032	2.85272436	0.93860610	0.97446385	0.99295641	10893.16380639	11310.33370522	11525.47665936
S 181.972	S	5.60171934	mg/L	6478.98092487	2.96622188	5.42383804	5.62838931	5.75293067	6278.14742983	6509.09214417	6649.70320060
Sb 206.834	Sb	1.02567952	mg/L	4326.13646384	2.55693104	0.99822451	1.02834060	1.05047345	4209.53007591	4337.43854262	4431.44077300
Se 196.026	Se	0.99569029	mg/L	3670.18220266	2.85429241	0.96457520	1.00221566	1.02028000	3556.84779325	3693.95039866	3759.74841606
Si 251.611	Si	5.30996456	mg/L	42305.73115542	2.90357465	5.14322948	5.33928897	5.44737522	40978.65845111	42539.12911862	43399.40589653
Sn 189.925	Sn	4.95388125	mg/L	56423.16510338	2.78036515	4.80011738	4.99556790	5.06595846	54672.34351811	56897.82723429	57699.32455775
Sr 421.552	Sr-R	1.01875785	mg/L	414116.19429705	1.55935459	1.00763325	1.03695142	1.01168888	409600.13707625	421501.91447482	411246.53134006
Ti 334.941	Ti	1.03932033	mg/L	354214.00011104	3.03605216	1.00875623	1.03742534	1.07177943	343802.61698159	353568.48721353	365270.89613801
Tl 190.794	Tl	1.04693341	mg/L	3655.13810735	3.16916966	1.01201906	1.05073066	1.07805051	3533.10036195	3668.41081393	3763.90314616
V 292.401	V	1.03918433	mg/L	37850.15865142	2.92091508	1.00658406	1.04433711	1.06663181	36663.86069728	38037.66439776	38848.95085921
Zn 206.200	Zn	0.98374952	mg/L	59259.21102034	2.62088044	0.95597195	0.98836131	1.00691530	57587.37168037	59536.77940580	60653.48197486
Y 371.029	Y	0.93	Ratio	865086.02	0.45	0.93	0.94	0.94	860783.52	866102.65	868371.89
Y 371.029	Y-R	0.94	Ratio	190726.69	1.33	0.95	0.93	0.95	192605.07	187846.65	191728.34

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380014 File : icp data Time : 20-SEP-2022 11:44
Cal : 672379380001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	907995	-1.89
Yttrium	R	202813	198730	-2.01

Instrument ID: MET09

Label: ICB | Rack:Tube: S1:1 | Type: QC

Date Time: 9/20/2022 11:44:55 AM | Weight: - | Volume: -

Dilution: - | LIMSID: | Customer:

Customer Ref.: | Sample Date Time: | Sample Site:

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	!	0.00062113	mg/L	233.89495964	81.65033366	0.00044259	0.00022740	0.00119342	220.20422782	203.70405357	277.77659754			
Al 396.152	Al	!u	-0.00039636	mg/L	848.55080781	102.20891401	-0.00008243	-0.00085366	-0.00025298	859.62164580	832.42351035	853.60726728	u	u	u
As 188.980	As	!u	-0.00030715	mg/L	3.91680330	184.38361488	0.00016785	-0.00015540	-0.00093390	6.28258323	4.67260645	0.79522021		u	u
B 249.678	B	!	0.00084663	mg/L	125.32143124	14.06035044	0.00071116	0.00089423	0.00093451	120.70255253	126.94412333	128.31761787			
Ba 230.424	Ba	!	0.00013904	mg/L	100.50815184	58.02548939	0.00008999	0.00009496	0.00023215	95.54356812	96.04679751	109.93408988			
Be 313.107	Be	!	0.00006278	mg/L	296.23175273	9.79239000	0.00005635	0.00006339	0.00006861	282.18833529	297.55168185	308.95524104			
Ca 317.933	Ca-R	!	0.00163156	mg/L	1975.55802570	18.14733792	0.00180975	0.00128977	0.00179514	1977.47861943	1971.87426801	1977.32118967			
Cd 214.439	Cd	!	0.00011956	mg/L	64.16547778	59.43514595	0.00016282	0.00015830	0.00003755	73.12147835	72.18651870	47.18843630			
Co 230.786	Co	!	0.00028775	mg/L	44.37588264	67.49332520	0.00051199	0.00017289	0.00017838	53.07666231	39.91883609	40.13214952			
Cr 267.716	Cr	!u	0.00004331	mg/L	-13.28740729	612.94937292	0.00014100	0.00024606	-0.00025714	-6.91742478	-0.06698979	-32.87780728			u
Cu 324.754	Cu	!	0.00096361	mg/L	1113.86077526	35.24884296	0.00124899	0.00058792	0.00105390	1125.48542664	1098.55800377	1117.53889536			
Fe 259.940	Fe	!	0.00016193	mg/L	39.88848676	24.79075255	0.00020505	0.00012564	0.00015509	42.35837964	37.81012543	39.49695522			
K 766.491	K-R	!	0.03610177	mg/L	97.61910933	50.54963869	0.01506448	0.04767483	0.04556599	70.89023318	112.32323801	109.64385680			
Li 670.783	Li-R	!u	0.00025324	mg/L	26.77095229	384.65302160	0.00013933	-0.00065889	0.00127927	15.53839824	-63.17643316	127.95089178		u	
Mg 279.800	Mg-R	!u	-0.00553950	mg/L	54.46959600	107.29325392	-0.01161775	0.00025942	-0.00526017	41.90698633	66.45488255	55.04691911	u		u
Mn 257.610	Mn	!u	0.00002586	mg/L	98.10862414	124.47016674	0.00005697	0.00002793	-0.00000731	112.24494787	99.04725757	83.03366699			u
Mo 204.598	Mo	!u	0.00056473	mg/L	34.53967855	159.72486308	-0.00046441	0.00094041	0.00121819	22.36930308	38.98236414	42.26736843	u		
Na 589.592	Na-R	!u	-0.00161194	mg/L	393.59684782	400.03639782	0.00575268	-0.00624446	-0.00434403	459.75289839	351.98308993	369.05455512		u	u
Ni 231.604	Ni	!	0.00030089	mg/L	5.48922229	64.07543406	0.00010790	0.00049350	0.00030129	1.23373380	9.73603599	5.49789708			
P 177.434	P	!u	-0.00624898	mg/L	1.71023411	106.04474056	0.00140110	-0.00993069	-0.01021736	3.09651118	1.04306954	0.99112161		u	u
Pb 220.353	Pb	!u	-0.00096435	mg/L	-37.83929807	41.19527752	-0.00137806	-0.00092914	-0.00058586	-42.65232935	-37.42959717	-33.43596769	u	u	u
S 181.972	S	!u	0.00196687	mg/L	153.28831476	331.51661520	-0.00451466	0.00852568	0.00188959	145.97046822	160.69341245	153.20106360	u		
Sb 206.834	Sb	!u	0.00052891	mg/L	-28.30595184	170.00628034	-0.00050276	0.00114608	0.00094341	-32.68764912	-25.68471813	-26.54548827	u		
Se 196.026	Se	!u	-0.00246591	mg/L	31.32914780	59.95700671	-0.00266355	-0.00089855	-0.00383564	30.60926151	37.03816559	26.34001630	u	u	u
Si 251.611	Si	!	0.00146631	mg/L	52.86333225	34.69967497	0.00130354	0.00105881	0.00203659	51.56781903	49.61993481	57.40224290			
Sn 189.925	Sn	!u	-0.00003761	mg/L	15.05309454	1286.94343839	-0.00027883	0.00051958	-0.00035357	12.30641012	21.39748356	11.45538995	u		u
Sr 421.552	Sr-R	!u	0.00002844	mg/L	82.79745570	212.77216236	0.00002558	0.00009033	-0.00003059	81.63710583	107.92178127	58.83347999			u
Ti 334.941	Ti	!u	-0.00002021	mg/L	168.38442962	376.85631508	0.00006271	-0.00008703	-0.00003630	196.62973397	145.62100124	162.90255364		u	u
Tl 190.794	Tl	!	0.00286781	mg/L	4.94861813	47.30814841	0.00314355	0.00139441	0.00406546	5.91244757	-0.20141438	9.13482119			
V 292.401	V	!u	-0.00001099	mg/L	32.36696797	1631.55328052	0.00019425	-0.00013667	-0.00009053	39.83522438	27.79325149	29.47242804		u	u
Zn 206.200	Zn	!u	0.00017622	mg/L	39.05862306	96.09141911	0.00023971	-0.00001568	0.00030465	42.87937500	27.50853291	46.78796128		u	
Y 371.029	Y	!	0.98	Ratio	907995.16	0.33	0.98	0.98	0.98	904926.80	908076.69	910981.98			
Y 371.029	Y-R	!	0.98	Ratio	198729.71	0.26	0.98	0.98	0.98	199165.90	198873.28	198149.94			

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380016 File : icp data Time : 20-SEP-2022 11:51
Cal : 672379380001 Caldate : 20-SEP-2022
Standards: S17207

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.003599]	0.003333	mg/L	!a-

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	402.3	mg/L	101	
Aluminum as Al2O3	A	755.8	760.1	mg/L	101	
Iron	A	160.0	146.3	mg/L	91	
Iron as Fe2O3	A	228.8	209.1	mg/L	91	
Calcium	R	400.0	403.0	mg/L	101	
Calcium as CaCO3	R	998.9	1006	mg/L	101	
Magnesium	R	400.0	417.0	mg/L	104	
Magnesium as MgCO3	R	1388	1447	mg/L	104	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	808246	-12.67
Yttrium	R	202813	183243	-9.65

!=warning -=low bias a=ICSA

Instrument ID: MET09

Label: ICSA,S17207 | Rack:Tube: S1:14 | Type: QC

Date Time: 9/20/2022 11:51:40 AM | Weight: - | Volume: -

Dilution: - | LIMS ID: | Customer:

Customer Ref.: | Sample Date Time: | Sample Site:

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	bu	-0.00301142	mg/L	173.96762291	20.65594168	-0.00248813	-0.00284698	-0.00369916	214.09272367	186.57679012	121.23335494	u	u	u
Al 396.152	Al	bo	402.28564283	mg/L	14188137.22632050	4.69768928	381.80571539	406.00113499	419.05007810	13465890.67322130	14319168.03283290	14779352.97290740	o	o	o
As 188.980	As	bu	-0.00090654	mg/L	8.40499477	41.31337834	-0.00052662	-0.00091757	-0.00127542	10.29719785	8.35002666	6.56775981	u	u	u
B 249.678	B	bu	-0.02089543	mg/L	79.15958200	2.02825597	-0.02040606	-0.02113989	-0.02114035	95.84458853	70.82483452	70.80932295	u	u	u
Ba 230.424	Ba	b	0.00076848	mg/L	335.34150268	36.39881202	0.00051316	0.00072482	0.00106747	309.49508489	330.92132640	365.60809676			
Be 313.107	Be	b	0.00001380	mg/L	256.65341856	74.91703258	0.00001441	0.00002383	0.00000317	257.96939567	278.55990889	233.43095110			
Ca 317.933	Ca-R	bo	403.00718241	mg/L	4346124.44950690	1.10830585	400.59556781	408.16117594	400.26480348	4320132.01330281	4401674.30728815	4316567.02792973	o	o	o
Cd 214.439	Cd	b	0.00038637	mg/L	906.71874678	28.54295247	0.00026182	0.00042566	0.00047163	880.93640301	914.85203282	924.36780450			
Co 230.786	Co	b	0.00149025	mg/L	85.31825219	40.67061009	0.00125103	0.00104027	0.00217944	76.03633426	67.85831548	112.06010684			
Cr 267.716	Cr	b	0.00042564	mg/L	122.98072286	21.43763067	0.00039380	0.00035457	0.00052854	120.90484177	118.34705793	129.69026889			
Cu 324.754	Cu	bu	-0.00141819	mg/L	1039.28437902	35.58473844	-0.00102869	-0.00198831	-0.00123759	1055.15015302	1016.06189537	1046.64108866	u	u	u
Fe 259.940	Fe	bo	146.25991435	mg/L	8378441.61641171	5.51764864	137.52814030	147.80733771	153.44426503	7878316.03164936	8467072.63352492	8789936.18406084	o	o	o
K 766.491	K-R	b	0.02629019	mg/L	98.06435362	114.02813013	0.06090551	0.00914891	0.00881614	142.04476535	76.28554848	75.86274703			
Li 670.783	Li-R	b	0.00108157	mg/L	325.27642350	37.53185909	0.00087113	0.00154952	0.00082407	304.52415581	371.42178503	299.88332965			
Mg 279.800	Mg-R	bo	416.98670486	mg/L	862012.28017851	0.95401226	414.68914096	421.58022392	414.69074970	857263.64506066	871506.22545332	857266.97002154	o	o	o
Mn 257.610	Mn	bu	-0.00013496	mg/L	246.41866145	37.84026626	-0.00018899	-0.00012841	-0.00008748	221.86722114	249.39406373	267.99469949	u	u	u
Mo 204.598	Mo	bu	0.00002394	mg/L	99.18618388	6119.71982847	0.00165248	-0.00118750	-0.00039316	118.44489276	84.85997589	94.25368300		u	u
Na 589.592	Na-R	bu	-0.00911079	mg/L	1053.78612921	95.48299605	0.00092875	-0.01384296	-0.01441815	1143.97092574	1011.27718855	1006.11027336		u	u
Ni 231.604	Ni	bu	-0.00158143	mg/L	50.86129035	41.45983190	-0.00100881	-0.00143882	-0.00229665	63.48734229	54.00563123	35.09089752	u	u	u
P 177.434	P	bu	0.00320396	mg/L	3.23348969	241.84977986	0.01203727	0.00002132	-0.00244672	4.83417994	2.65676229	2.20952682			u
Pb 220.353	Pb	bu	-0.00359928	mg/L	-934.67907703	140.83714672	0.00216504	-0.00560083	-0.00736204	-867.61687504	-957.96516012	-978.45519595		u	u
S 181.972	S	b	0.05331374	mg/L	232.49878881	18.34606830	0.04204536	0.05960761	0.05828826	219.77643664	239.60475760	238.11517217			
Sb 206.834	Sb	bu	-0.00162165	mg/L	-13.08791289	181.60428447	0.00122578	-0.00143538	-0.00465535	-0.99437697	-12.29677406	-25.97258764		u	u
Se 196.026	Se	bu	-0.00642493	mg/L	23.88519661	25.33165400	-0.00473787	-0.00798559	-0.00655134	30.03018423	18.20063072	23.42477488	u	u	u
Si 251.611	Si	bu	-0.00087811	mg/L	80.20135341	131.38527520	-0.00188685	0.00037984	-0.00112733	72.17265411	90.21360288	78.21780324	u		u
Sn 189.925	Sn	bu	-0.00000629	mg/L	23.02001567	12080.78032798	0.00077975	-0.00006276	-0.00073586	31.97021148	22.37702132	14.71281421		u	u
Sr 421.552	Sr-R	b	0.00141197	mg/L	7650.26093084	19.97476172	0.00135649	0.00171762	0.00116179	7627.73927491	7774.34164925	7548.70186836			
Ti 334.941	Ti	bu	-0.00022933	mg/L	174.71857888	144.52866875	0.00001662	-0.00009836	-0.00060626	258.50168629	219.33149699	46.32255335		u	u
Tl 190.794	Tl	b	0.00081645	mg/L	7.18128803	88.37810712	0.00065713	0.00018786	0.00160435	6.62443236	4.98415064	9.93528111			
V 292.401	V	bu	-0.00082236	mg/L	-291.65352843	66.14215706	-0.00019437	-0.00114529	-0.00112743	-268.80148729	-303.40444707	-302.75465093	u	u	u
Zn 206.200	Zn	bu	-0.00068953	mg/L	176.34496576	5.84965831	-0.00066752	-0.00073608	-0.00066498	177.66950766	173.54316289	177.82222674	u	u	u
Y 371.029	Y		0.87	Ratio	808246.20	0.21	0.87	0.87	0.88	806549.07	808314.53	809875.01			
Y 371.029	Y-R		0.90	Ratio	183243.24	0.74	0.91	0.90	0.91	184106.60	181679.03	183944.08			

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380017 File : icp data Time : 20-SEP-2022 11:55
Cal : 672379380001 Caldate : 20-SEP-2022
Standards: S17208

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.018	mg/L	2	20	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	801946	-13.35
Yttrium	R	202813	182624	-9.95

Instrument ID: MET09

Label: ICSAB,S17208 | Rack:Tube: S1:15 | Type: QC

Date Time: 9/20/2022 11:55:03 AM | Weight: - | Volume: -

Dilution: - | LIMS ID: | Customer:

Customer Ref.: | Sample Date Time: | Sample Site:

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	b	1.15264281	mg/L	88788.42120073	4.50907410	1.09541797	1.16559525	1.19691521	84400.54145803	89781.58692304	92183.13522112			
Al 396.152	Al	bo	410.31079403	mg/L	14471156.44202480	4.26541532	391.16932522	414.26866704	425.49438983	13796112.06451970	14610735.06830300	15006622.19325180	o	o	o
As 188.980	As	bu	-0.00000990	mg/L	12.90050501	16185.65836418	-0.00073455	0.00182716	-0.00112232	9.29137062	22.05012581	7.36001859	u		u
B 249.678	B	bu	-0.02016329	mg/L	107.46723673	2.36040373	-0.01961492	-0.02040616	-0.02046880	126.16361106	99.18702188	97.05107727	u	u	u
Ba 230.424	Ba	b	0.52596569	mg/L	53503.03819463	4.28222988	0.50078116	0.53293720	0.54417870	50953.56295545	54208.77727257	55346.77435586			
Be 313.107	Be	b	0.54281502	mg/L	1186194.85921907	4.57622935	0.51505734	0.55043434	0.56295339	1125548.55201324	1202841.89719668	1230194.12844729			
Ca 317.933	Ca-R	bo	406.37979244	mg/L	4382480.81596928	0.66161285	404.38218038	409.43676688	405.32043007	4360950.50831985	4415428.95505291	4371062.98453506	o	o	o
Cd 214.439	Cd	b	1.02978108	mg/L	214008.78307515	4.06092341	0.98382918	1.03990732	1.06560672	204496.22543582	216105.03014047	221425.09364915			
Co 230.786	Co	b	0.50544088	mg/L	19639.25255879	4.21162880	0.48218482	0.51017574	0.52396208	18736.88065579	19822.97273534	20357.90428526			
Cr 267.716	Cr	b	0.51993599	mg/L	33998.18803766	4.37559224	0.49514425	0.52480840	0.53985532	32381.64930925	34315.89196847	35297.02283525			
Cu 324.754	Cu	b	0.55929584	mg/L	23878.84248470	4.45749176	0.53202247	0.56495409	0.58091097	22767.91526144	24109.32015042	24759.29204225			
Fe 259.940	Fe	bo	150.56039193	mg/L	8624766.29035793	3.91407049	144.19113617	151.67080798	155.81923164	8259957.51885695	8688367.05175240	8925974.30046444	o	o	o
K 766.491	K-R	bu	0.02040941	mg/L	90.46703320	183.89308323	-0.02208373	0.04902908	0.03428288	36.47748027	126.82968201	108.09393733	u		
Li 670.783	Li-R	bu	-0.00011943	mg/L	208.74354636	705.92463232	-0.00028607	-0.00086673	0.00079452	192.31024418	135.04993640	298.87045851	u	u	
Mg 279.800	Mg-R	bo	420.01082251	mg/L	868263.49319458	0.59953976	417.73851504	422.71810711	419.57584539	863567.05839347	873858.94440741	867364.47678287	o	o	o
Mn 257.610	Mn	b	0.51247985	mg/L	233190.40254451	4.49349395	0.48714233	0.51816234	0.53213487	221676.53554068	235772.63943287	242122.03265997			
Mo 204.598	Mo	bu	-0.00002342	mg/L	99.04169328	1722.60476167	-0.00033166	-0.00017168	0.00043309	95.39642076	97.28839324	104.44026584	u	u	
Na 589.592	Na-R	bu	-0.12802120	mg/L	3534.44638296	7.22149485	-0.11794669	-0.13000085	-0.13611606	3624.94536128	3516.66325183	3461.73053575	u	u	u
Ni 231.604	Ni	b	0.99247082	mg/L	21969.93975098	4.14390844	0.94819272	0.99974298	1.02947676	20993.62456727	22130.28804521	22785.90664047			
P 177.434	P	bu	0.00812148	mg/L	4.11753222	152.60288917	-0.00158093	0.00386230	0.02208306	2.35935215	3.34572377	6.64752073	u		
Pb 220.353	Pb	b	1.01801130	mg/L	10945.76312404	3.74156127	0.97585861	1.02821685	1.04995844	10455.35764424	11064.49472666	11317.43700121			
S 181.972	S	b	0.04791608	mg/L	226.53756800	20.15910316	0.03684591	0.05227065	0.05463167	214.03900948	231.45401808	234.11967644			
Sb 206.834	Sb	b	0.00666139	mg/L	22.21659556	61.48488077	0.00478517	0.01135915	0.00383984	14.24795606	42.16884225	10.23298839			
Se 196.026	Se	bu	-0.00186437	mg/L	40.49760060	24.65530522	-0.00198696	-0.00135584	-0.00225031	40.05106769	42.34989805	39.09183605	u	u	u
Si 251.611	Si	bu	-0.00095782	mg/L	80.19102677	196.22665566	-0.00312608	0.00020711	0.00004551	62.93349872	89.46288951	88.17669207	u		
Sn 189.925	Sn	bu	-0.00047051	mg/L	17.80982552	66.22949966	-0.00082601	-0.00034094	-0.00024458	13.76197718	19.28514358	20.38235580	u	u	u
Sr 421.552	Sr-R	b	0.00148088	mg/L	7724.78259009	4.75258320	0.00141504	0.00155506	0.00147254	7698.05526171	7754.89548818	7721.39702038			
Ti 334.941	Ti	bu	-0.00037658	mg/L	125.85844960	18.98883289	-0.00032242	-0.00045764	-0.00034968	144.30729992	98.24732654	135.02072233	u	u	u
Tl 190.794	Tl	b	0.00083847	mg/L	7.33920006	58.29373928	0.00099086	0.00029165	0.00123289	7.87186951	5.42788280	8.71784788			
V 292.401	V	b	0.55363702	mg/L	19882.49101135	4.27974437	0.52803895	0.55807116	0.57480096	18950.99757154	20043.84557994	20652.62988256			
Zn 206.200	Zn	b	1.00824665	mg/L	60902.20847396	3.83517181	0.96582832	1.01738407	1.04152757	58349.19061787	61452.15928199	62905.27552201			
Y 371.029	Y		0.87	Ratio	801945.67	0.51	0.86	0.87	0.87	797443.62	803037.19	805356.21			
Y 371.029	Y-R		0.90	Ratio	182623.83	0.71	0.90	0.89	0.90	183477.25	181121.01	183273.23			

ENTHALPY CONTINUING CALIBRATION FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380024 File : icp data Time : 20-SEP-2022 12:18
Cal : 672379380001 Caldate : 20-SEP-2022
Standards: S17211

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	9911.6	11676	1.000	1.006	mg/L	1	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	853757	-7.75
Yttrium	R	202813	189086	-6.77

Instrument ID: MET09

Label:	CCV,S17211	**Rack:Tube:**	S1:12	**Type:**	QC
Date Time:	9/20/2022 12:18:38 PM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.54129852	mg/L	41727.46406468	2.30992504	0.52737302	0.54495976	0.55156279	40659.68575114	42008.20007936	42514.50636354
Al 396.152	Al	1.10206595	mg/L	39767.22786907	2.76364027	1.06848498	1.10980788	1.12790498	38582.95914675	40040.25538841	40678.46907206
As 188.980	As	1.08876850	mg/L	5428.39859435	2.43821831	1.06104363	1.09130760	1.11395428	5290.31298581	5441.04473460	5553.83806263
B 249.678	B	1.05022245	mg/L	36066.91831118	3.17307531	1.01276928	1.06130333	1.07659475	34789.97513636	36444.71392624	36966.06587096
Ba 230.424	Ba	1.03025317	mg/L	104387.66474461	2.30762008	1.00332171	1.03911009	1.04832771	101661.34475393	105284.26669997	106217.38277992
Be 313.107	Be	1.07359277	mg/L	2345801.20933512	2.31206124	1.04701537	1.07758796	1.09617497	2287733.65046105	2354530.09641458	2395139.88112973
Ca 317.933	Ca-R	101.87381861	mg/L	1100006.47329233	1.09534749	102.24675289	100.61924050	102.75546243	1104025.96738471	1086484.60234452	1109508.85014776
Cd 214.439	Cd	1.02887041	mg/L	213025.58699944	2.19337450	1.00299181	1.03916541	1.04445400	207668.42690768	215156.76783467	216251.56625598
Co 230.786	Co	1.03690954	mg/L	40258.79830344	2.31319997	1.00994106	1.04493081	1.05585675	39212.37850483	40570.03643430	40993.97997118
Cr 267.716	Cr	1.01932785	mg/L	66456.59725563	2.61888452	0.99022056	1.02509524	1.04266775	64558.66401764	66832.65842237	67978.46932690
Cu 324.754	Cu	1.05833367	mg/L	44211.08920393	2.39271057	1.03042462	1.06473431	1.07984208	43074.26913133	44471.80651700	45087.19196346
Fe 259.940	Fe	1.03035266	mg/L	59178.20365015	2.64581561	1.00032587	1.03718263	1.05354949	57458.37361471	59569.40029072	60506.83704503
K 766.491	K-R	112.54725463	mg/L	143063.65586701	1.19250423	112.84598980	111.08092729	113.71484680	143443.21310087	141200.61728342	144547.13721674
Li 670.783	Li-R	1.03006427	mg/L	101616.49951044	1.11749072	1.03239051	1.01756794	1.04023436	101845.89697137	100384.19884984	102619.40271012
Mg 279.800	Mg-R	102.49476891	mg/L	211906.05686980	1.12194864	102.63299929	101.28196312	103.56934433	212191.75321581	209399.41399421	214127.00339937
Mn 257.610	Mn	1.01786039	mg/L	462679.42910934	2.67280874	0.98805810	1.02415892	1.04136414	449136.68428390	465541.60592971	473359.99711440
Mo 204.598	Mo	1.09256633	mg/L	12948.26471237	2.81213713	1.05824340	1.10195315	1.11750243	12542.36949234	13059.27114699	13243.15349779
Na 589.592	Na-R	101.46165273	mg/L	918887.54563602	1.34083205	101.80508400	99.96241611	102.61745809	921972.57535871	905419.96123419	929270.10031517
Ni 231.604	Ni	1.00281550	mg/L	22129.74825116	2.50295631	0.97539839	1.00838536	1.02466275	21525.21144547	22252.56157972	22611.47172830
P 177.434	P	6.34958438	mg/L	1153.37048977	2.04385533	6.20602767	6.38414048	6.45858498	1127.35647755	1159.63242571	1173.12256605
Pb 220.353	Pb	1.00593611	mg/L	11676.48774541	2.28657363	0.98007786	1.01361352	1.02411697	11375.65215581	11765.80682527	11888.00425514
S 181.972	S	5.91018661	mg/L	6827.32892687	2.40689591	5.75017934	5.95803594	6.02234454	6646.67576640	6881.35230523	6953.95870898
Sb 206.834	Sb	1.06675300	mg/L	4500.59696647	2.15468209	1.04138047	1.07269444	1.08618409	4392.83524570	4525.83133768	4583.12431604
Se 196.026	Se	1.03789293	mg/L	3823.97058904	2.47767529	1.00926725	1.04537050	1.05904104	3719.70366013	3851.20709743	3901.00100956
Si 251.611	Si	5.47123866	mg/L	43589.38171167	2.78595178	5.30067183	5.51891987	5.59412427	42231.81144195	43968.88455256	44567.44914051
Sn 189.925	Sn	5.14064590	mg/L	58549.76147362	2.31352568	5.00769197	5.17734327	5.23690245	57035.89080486	58967.61359126	59645.78002474
Sr 421.552	Sr-R	1.04753363	mg/L	425809.47763543	1.48174602	1.04983226	1.03099071	1.06177792	426742.61201458	419093.84125190	431591.97963981
Ti 334.941	Ti	1.07342786	mg/L	365832.50129145	2.41683320	1.04871708	1.07111798	1.10044853	357414.99949226	365045.66091872	375036.84346337
Tl 190.794	Tl	1.09031590	mg/L	3806.79408391	2.40073621	1.06181873	1.09584117	1.11328779	3707.18661361	3826.10684346	3887.08879465
V 292.401	V	1.07696100	mg/L	39224.85645609	2.62947594	1.04586038	1.08376501	1.10125759	38093.12990845	39472.44933871	40108.99012111
Zn 206.200	Zn	1.02313767	mg/L	61630.37089095	2.26593572	0.99636778	1.03641820	1.03662704	60019.18058010	62429.68120647	62442.25088627
Y 371.029	Y	0.92	Ratio	853757.10	0.46	0.92	0.92	0.93	850103.34	853195.75	857972.20
Y 371.029	Y-R	0.93	Ratio	189086.49	0.57	0.93	0.94	0.93	189285.42	190051.28	187922.77

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380025 File : icp data Time : 20-SEP-2022 12:21
Cal : 672379380001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	895609	-3.23
Yttrium	R	202813	198603	-2.08

Instrument ID: MET09

Label: CCB | **Rack:Tube:** S1:1 | **Type:** QC

Date Time: 9/20/2022 12:21:59 PM | **Weight:** - | **Volume:** -

Dilution: - | **LIMSID:** | **Customer:**

Customer Ref.: | **Sample Date Time:** | **Sample Site:**

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	-0.00038896	mg/L	156.44072140	89.65710538	-0.00053224	0.00000859	-0.00064322	145.45399227	186.92365675	136.94451518	u		u
Al 396.152	Al	u	-0.00002838	mg/L	861.52744317	2994.95872053	0.00037998	0.00054032	-0.00100544	875.92861261	881.58320350	827.07051339			u
As 188.980	As	u	-0.00087125	mg/L	1.10711886	38.95158892	-0.00083287	-0.00122817	-0.00055270	1.29825653	-0.67055615	2.69365621	u	u	u
B 249.678	B		0.00044417	mg/L	111.60262040	77.70478098	0.00040341	0.00012122	0.00080788	110.21299927	100.59177030	124.00309165			
Ba 230.424	Ba	u	0.00006521	mg/L	93.03094635	333.65836774	0.00026996	0.00008893	-0.00016326	113.75843651	95.43168643	69.90271610			u
Be 313.107	Be		0.00004106	mg/L	248.76791888	54.62097625	0.00006151	0.00001707	0.00004459	293.44689760	196.36610931	256.49074974			
Ca 317.933	Ca-R	u	-0.00066327	mg/L	1950.81777986	386.56191880	0.00218228	-0.00137828	-0.00279380	1981.48709094	1943.11139024	1927.85485841		u	u
Cd 214.439	Cd		0.00014351	mg/L	69.12051786	43.43498222	0.00021449	0.00009767	0.00011838	83.81401178	59.63069856	63.91684323			
Co 230.786	Co	u	0.00037714	mg/L	47.84439271	108.51652230	0.00034490	-0.00001505	0.00080157	46.59346108	32.62691281	64.31280424		u	
Cr 267.716	Cr	u	-0.00013285	mg/L	-24.77490553	181.87596625	0.00010634	-0.00012807	-0.00037683	-9.17818841	-24.46288474	-40.68364343		u	u
Cu 324.754	Cu		0.00168629	mg/L	1143.29441212	28.02745959	0.00157805	0.00220365	0.00127718	1138.88550297	1164.36786578	1126.62986761			
Fe 259.940	Fe		0.00107807	mg/L	92.34316530	19.52873904	0.00128211	0.00109051	0.00086159	104.02972398	93.05574387	79.94402806			
K 766.491	K-R		0.02642701	mg/L	85.32762083	24.37378175	0.02391708	0.03374539	0.02161855	82.13863754	94.62597354	79.21825141			
Li 670.783	Li-R	u	-0.00049701	mg/L	-47.21447640	116.31621598	0.00013243	-0.00061924	-0.00100423	14.85712987	-59.26770899	-97.23285008		u	u
Mg 279.800	Mg-R	u	-0.00158501	mg/L	62.64259160	61.01952823	-0.00048863	-0.00231724	-0.00194914	64.90859541	61.12919562	61.88998377	u	u	u
Mn 257.610	Mn	u	0.00005167	mg/L	109.83441481	148.00726201	0.00009731	0.00009431	-0.00003662	130.57332427	129.21399310	69.71592706			u
Mo 204.598	Mo	u	0.00013076	mg/L	29.40562534	549.19516378	-0.00017276	0.00095079	-0.00038576	25.81635189	39.10313293	23.29739120	u		u
Na 589.592	Na-R	u	-0.00728846	mg/L	341.37776834	74.78753788	-0.00280925	-0.00569866	-0.01335748	381.61435902	355.65894178	286.86000420	u	u	u
Ni 231.604	Ni	u	-0.00005556	mg/L	-2.37104506	569.39509572	-0.00012399	0.00028942	-0.00033211	-3.87994037	5.23563701	-8.46883184	u		u
P 177.434	P	u	0.00085752	mg/L	2.99801166	718.01989165	-0.00281873	0.00796579	-0.00257450	2.33183560	4.28610593	2.37609346	u		u
Pb 220.353	Pb	u	0.00001071	mg/L	-26.47051326	3843.33796029	-0.00013394	0.00047511	-0.00030904	-28.15341727	-21.06766504	-30.19045749	u		u
S 181.972	S		0.00390909	mg/L	155.48091915	72.82615606	0.00669724	0.00402306	0.00100698	158.62882222	155.60959439	152.20434083			
Sb 206.834	Sb	u	0.00078520	mg/L	-27.21701756	143.09329270	0.00197552	0.00063697	-0.00025690	-22.16151405	-27.84656847	-31.64297014			u
Se 196.026	Se	u	0.00089168	mg/L	43.55814361	210.31262096	0.00304330	0.00002723	-0.00039550	51.39527508	40.40944273	38.86971302			u
Si 251.611	Si		0.00232696	mg/L	59.71161177	24.74980489	0.00185260	0.00296777	0.00216051	55.93611449	64.81194806	58.38677277			
Sn 189.925	Sn	u	-0.00023678	mg/L	12.78496607	96.19726257	0.00000444	-0.00026661	-0.00044818	15.53161715	12.44541090	10.37787017		u	u
Sr 421.552	Sr-R	u	-0.00001325	mg/L	65.73784032	549.48174392	0.00007072	-0.00005190	-0.00005857	99.82703618	50.04548162	47.34100317		u	u
Ti 334.941	Ti	u	-0.00003576	mg/L	163.08479083	503.68405710	0.00015182	-0.00005177	-0.00020733	226.98335613	157.63043768	104.64057867		u	u
Tl 190.794	Tl		0.00303607	mg/L	5.53657388	6.09047668	0.00298720	0.00324050	0.00288049	5.36578570	6.25114418	4.99279178			
V 292.401	V	u	0.00027556	mg/L	42.79290289	110.05890476	0.00052944	-0.00006027	0.00035749	52.03168602	30.57260045	45.77442222		u	
Zn 206.200	Zn	u	0.00020408	mg/L	40.73317363	101.12211647	0.00033049	-0.00003407	0.00031583	48.34098946	26.39983755	47.45869388		u	
Y 371.029	Y		0.97	Ratio	895609.32	0.37	0.97	0.97	0.97	893377.62	894075.34	899375.01			
Y 371.029	Y-R		0.98	Ratio	198603.42	0.49	0.98	0.97	0.98	199362.99	197493.14	198954.14			

ENTHALPY CONTINUING CALIBRATION FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380036 File : icp data Time : 20-SEP-2022 12:59
Cal : 672379380001 Caldate : 20-SEP-2022
Standards: S17211

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	9911.6	11707	1.000	1.009	mg/L	1	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	847626	-8.41
Yttrium	R	202813	188064	-7.27

Instrument ID: MET09

Label:	CCV,S17211	**Rack:Tube:**	S1:12	**Type:**	QC
Date Time:	9/20/2022 12:59:00 PM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.54470230	mg/L	41988.92423170	3.11184402	0.52588813	0.54943688	0.55878190	40546.29309962	42351.96174144	43068.51785403
Al 396.152	Al	1.10817944	mg/L	39983.32735227	3.13164231	1.07049276	1.11522582	1.13881974	38654.26623441	40231.82560063	41063.89022177
As 188.980	As	1.09819310	mg/L	5475.34190746	2.68983233	1.06520589	1.10717220	1.12220123	5311.04684847	5520.06288250	5594.91599141
B 249.678	B	1.05737452	mg/L	36312.92866397	3.11402709	1.02097766	1.06605276	1.08509315	35071.99996278	36608.80777532	37257.97825382
Ba 230.424	Ba	1.03400754	mg/L	104767.81677560	2.57462194	1.00515831	1.03923915	1.05762515	101847.35813897	105297.42230328	107158.66988455
Be 313.107	Be	1.08416178	mg/L	2368892.96948058	3.05486051	1.04810031	1.09116583	1.11321920	2290104.15992218	2384195.75019497	2432378.99832458
Ca 317.933	Ca-R	103.30657737	mg/L	1115449.41320956	0.44445344	103.28488880	102.85865636	103.77618694	1115215.65337025	1110621.71055272	1120510.87570569
Cd 214.439	Cd	1.03363213	mg/L	214011.28814742	2.56363186	1.00533168	1.03770838	1.05785634	208152.77714596	214855.11666052	219025.97063577
Co 230.786	Co	1.04157871	mg/L	40439.86358964	2.49209894	1.01407559	1.04501239	1.06564814	39372.69885928	40573.09607446	41373.79583519
Cr 267.716	Cr	1.02460747	mg/L	66800.95397715	3.04187682	0.99099461	1.03027695	1.05255086	64609.23583570	67170.63071400	68622.99538175
Cu 324.754	Cu	1.06335863	mg/L	44416.12914511	3.04224833	1.02784695	1.07107887	1.09115008	42969.63046649	44730.59801858	45548.15895025
Fe 259.940	Fe	1.03450706	mg/L	59417.86450222	2.86906830	1.00249634	1.03990909	1.06111573	57584.40235742	59727.27430742	60941.91684183
K 766.491	K-R	114.08645991	mg/L	145019.48810097	0.32440668	113.91215024	113.83569590	114.51153359	144798.01937930	144700.88050870	145559.56441492
Li 670.783	Li-R	1.04387306	mg/L	102978.70602739	0.39512535	1.04157277	1.04141156	1.04863483	102751.86830964	102735.97064467	103448.27912785
Mg 279.800	Mg-R	103.85990044	mg/L	214727.56095570	0.38073094	103.82165376	103.48498670	104.27306087	214648.51220700	213952.68432477	215581.48633533
Mn 257.610	Mn	1.02275646	mg/L	464905.04874672	2.98897580	0.98972150	1.02850176	1.05004612	449893.31330640	467515.82425210	477306.00868168
Mo 204.598	Mo	1.09834455	mg/L	13016.59638251	3.14375702	1.06105618	1.10476357	1.12921389	12575.63253893	13092.50627962	13381.65032898
Na 589.592	Na-R	102.78206459	mg/L	930826.35118322	0.31365068	102.73980654	102.48290095	103.12348628	930446.74873176	928138.97580223	933893.32901568
Ni 231.604	Ni	1.00768547	mg/L	22237.37625413	2.97818836	0.97472134	1.01491166	1.03342340	21510.52982578	22396.71098916	22804.88794745
P 177.434	P	6.85387464	mg/L	1244.75219367	2.73083520	6.64955398	6.89502949	7.01704045	1207.72710369	1252.20989206	1274.31958526
Pb 220.353	Pb	1.00851975	mg/L	11706.53787588	2.79304522	0.97863811	1.01233515	1.03458600	11358.89409570	11750.92628422	12009.79324773
S 181.972	S	6.01684435	mg/L	6947.79402735	2.57694628	5.84676362	6.05345772	6.15031171	6755.76761276	6989.13165538	7098.48281390
Sb 206.834	Sb	1.07197572	mg/L	4522.78472959	2.66482394	1.04138099	1.07659586	1.09795032	4392.84334845	4542.40728783	4633.10355250
Se 196.026	Se	1.04540705	mg/L	3851.38203774	2.67733435	1.01517392	1.05063147	1.07041577	3741.26006499	3870.41159069	3942.47445753
Si 251.611	Si	5.50077324	mg/L	43824.47455143	2.87543860	5.32890093	5.53320135	5.64021743	42456.51372498	44082.57539243	44934.33453688
Sn 189.925	Sn	5.16126161	mg/L	58784.50925410	2.58418816	5.02743566	5.16216467	5.29418450	57260.70933175	58794.79194112	60298.02648943
Sr 421.552	Sr-R	1.06334604	mg/L	432235.05625220	0.24735210	1.06553746	1.06042927	1.06407137	433124.67146641	431050.98852878	432529.50876139
Ti 334.941	Ti	1.07871317	mg/L	367632.93878488	2.77671028	1.04747634	1.08147226	1.10719090	356992.39917110	368572.79827242	377333.61891112
Tl 190.794	Tl	1.09535773	mg/L	3824.42788503	2.67840453	1.06329336	1.10192252	1.12085732	3712.35179257	3847.37408183	3913.55778068
V 292.401	V	1.08404899	mg/L	39482.81794794	3.17314483	1.04675692	1.09085318	1.11453686	38125.78920994	39730.41699139	40592.24764250
Zn 206.200	Zn	1.02747716	mg/L	61891.84456840	2.24728506	1.00405923	1.02814691	1.05022534	60482.39768110	61932.15458985	63260.98143426
Y 371.029	Y	0.92	Ratio	847626.35	0.39	0.91	0.92	0.92	844418.87	847457.86	851002.32
Y 371.029	Y-R	0.93	Ratio	188063.55	0.53	0.93	0.93	0.92	188139.85	189026.79	187024.01

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380037 File : icp data Time : 20-SEP-2022 13:02
Cal : 672379380001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	887963	-4.06
Yttrium	R	202813	199194	-1.78

Instrument ID: MET09

Label: CCB | **Rack:Tube:** S1:1 | **Type:** QC

Date Time: 9/20/2022 1:02:21 PM | **Weight:** - | **Volume:** -

Dilution: - | **LIMS ID:** | **Customer:**

Customer Ref.: | **Sample Date Time:** | **Sample Site:**

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	0.00041259	mg/L	217.90269140	109.47625558	0.00072529	0.00061774	-0.00010527	241.87996968	233.63347324	178.19463128			u
Al 396.152	Al	u	0.00032518	mg/L	873.99679898	590.28269793	0.00114149	0.00170159	-0.00186753	902.78475068	922.53729278	796.66835347			u
As 188.980	As	u	-0.00062743	mg/L	2.32155130	81.12805473	-0.00009006	-0.00068990	-0.00110234	4.99798291	2.01041142	-0.04374044	u	u	u
B 249.678	B	u	0.00003279	mg/L	97.57043966	2185.04177099	0.00078774	-0.00005182	-0.00063756	123.31003904	94.68592609	74.71535386		u	u
Ba 230.424	Ba		0.00015657	mg/L	102.28096433	70.78130105	0.00006093	0.00013076	0.00027802	92.59920535	99.66828927	114.57539837			
Be 313.107	Be		0.00004343	mg/L	253.94067390	45.39677551	0.00006605	0.00003430	0.00002993	303.37096256	233.99047569	224.46058345			
Ca 317.933	Ca-R	u	-0.00098606	mg/L	1947.34338985	27.24446737	-0.00125785	-0.00097965	-0.00072067	1944.41400172	1947.41244160	1950.20372622	u	u	u
Cd 214.439	Cd		0.00009223	mg/L	58.50476444	22.41425336	0.00008393	0.00007701	0.00011577	56.78492105	55.35254246	63.37682981			
Co 230.786	Co	u	-0.00014269	mg/L	27.67396914	194.02970004	0.00013946	-0.00015358	-0.00041393	38.62153189	27.25118708	17.14918844		u	u
Cr 267.716	Cr	u	0.00003342	mg/L	-13.93273404	205.60266165	-0.00004529	0.00006410	0.00008145	-19.06505738	-11.93235120	-10.80079354	u		
Cu 324.754	Cu		0.00159605	mg/L	1139.62118720	57.89491990	0.00253453	0.00068718	0.00156643	1177.84845352	1102.60029880	1138.41480929			
Fe 259.940	Fe		0.00102146	mg/L	89.11198092	20.69212531	0.00123750	0.00081511	0.00101178	101.48585244	77.29269894	88.55739137			
K 766.491	K-R		0.02760911	mg/L	86.82926584	47.16214795	0.03607367	0.03413840	0.01261527	97.58388357	95.12503683	67.77887712			
Li 670.783	Li-R	u	-0.00068643	mg/L	-65.89305805	80.48849932	-0.00099905	-0.00004850	-0.00101174	-96.72121893	-2.98532275	-97.97263246	u	u	u
Mg 279.800	Mg-R	u	-0.00477704	mg/L	56.04499887	38.98729094	-0.00266713	-0.00547158	-0.00619241	60.40578369	54.60951055	53.11970236	u	u	u
Mn 257.610	Mn	u	0.00001444	mg/L	92.91551262	212.17743565	0.00002129	0.00004105	-0.00001904	96.03189972	105.01162955	77.70300859			u
Mo 204.598	Mo	u	0.00063280	mg/L	35.34363157	117.06163640	0.00138234	-0.00009887	0.00061493	44.20754011	26.69110361	35.13225099		u	
Na 589.592	Na-R	u	-0.00878931	mg/L	330.21820145	46.52373137	-0.00816508	-0.00504820	-0.01315464	335.82563596	363.82441776	291.00455065	u	u	u
Ni 231.604	Ni		0.00039360	mg/L	7.53341928	72.55264760	0.00062746	0.00047800	0.00007535	12.68984422	9.39439484	0.51601878			
P 177.434	P		0.00621194	mg/L	3.96828556	105.46916156	0.00347459	0.01368837	0.00147285	3.47224935	5.32309490	3.10951244			
Pb 220.353	Pb	u	-0.00015004	mg/L	-28.35249442	558.54132316	0.00071583	-0.00020884	-0.00095710	-18.27899158	-29.03659937	-37.74189230		u	u
S 181.972	S		0.00741304	mg/L	159.43709996	42.31218683	0.00631873	0.01095022	0.00497017	158.20158714	163.43068475	156.67902799			
Sb 206.834	Sb		0.00225717	mg/L	-20.96571923	52.19732006	0.00279845	0.00090561	0.00306744	-18.66680664	-26.70600891	-17.52434215			
Se 196.026	Se	u	-0.00268696	mg/L	30.52378770	27.54771586	-0.00247343	-0.00351045	-0.00207701	31.30157939	27.52427815	32.74550556	u	u	u
Si 251.611	Si	u	0.00044705	mg/L	44.75004906	221.22667074	-0.00005655	-0.00018878	0.00158649	40.74176134	39.68933172	53.81905411	u	u	
Sn 189.925	Sn	u	0.00040154	mg/L	20.05339054	234.54527218	0.00137295	-0.00050755	0.00033923	31.11426304	9.70204783	19.34386075		u	
Sr 421.552	Sr-R	u	0.00007177	mg/L	100.30259020	97.67928541	0.00008645	-0.00000451	0.00013336	106.26232716	69.33727866	125.30816478		u	
Ti 334.941	Ti	u	-0.00006097	mg/L	154.49940925	166.95419442	-0.00011108	0.00005616	-0.00012799	137.42946036	194.39841146	131.67035593	u		u
Tl 190.794	Tl		0.00218601	mg/L	2.56543236	63.61836212	0.00177439	0.00104758	0.00373606	1.12666722	-1.41377418	7.98340405			
V 292.401	V	u	0.00018652	mg/L	39.55465660	172.64732570	0.00004320	0.00055531	-0.00003896	34.33944558	52.97466869	31.34985553			u
Zn 206.200	Zn	u	0.00000493	mg/L	28.74813110	4141.24101816	0.00011057	0.00013485	-0.00023062	35.10577413	36.56755743	14.57106173			u
Y 371.029	Y		0.96	Ratio	887963.01	0.79	0.95	0.96	0.97	880655.07	888504.73	894729.22			
Y 371.029	Y-R		0.98	Ratio	199193.89	1.34	1.00	0.97	0.98	201941.42	196609.03	199031.23			

ENTHALPY CONTINUING CALIBRATION FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380048 File : icp data Time : 20-SEP-2022 13:42
Cal : 672379380001 Caldate : 20-SEP-2022
Standards: S17211

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	9911.6	11836	1.000	1.020	mg/L	2	10	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	859405	-7.14
Yttrium	R	202813	188185	-7.21

Instrument ID: MET09

Label:	CCV,S17211	**Rack:Tube:**	S1:12	**Type:**	QC
Date Time:	9/20/2022 1:42:36 PM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.54960290	mg/L	42364.95414414	2.35427954	0.53518733	0.55340978	0.56021159	41259.59884763	42656.85761359	43178.40597120
Al 396.152	Al	1.12077177	mg/L	40427.70225808	2.73847440	1.08769319	1.12629483	1.14832729	39261.15064900	40622.47890722	41399.47721801
As 188.980	As	1.10837325	mg/L	5526.04682191	2.63932239	1.07537980	1.11859751	1.13114244	5361.72069481	5576.96943010	5639.45034082
B 249.678	B	1.07104476	mg/L	36780.20071629	3.04446715	1.03515495	1.07913079	1.09884854	35556.55975262	37055.88887548	37728.15352078
Ba 230.424	Ba	1.03694294	mg/L	105065.02316302	2.41910076	1.00883610	1.04493454	1.05705820	102219.71648405	105874.02668204	107101.32632297
Be 313.107	Be	1.09959999	mg/L	2402623.15168709	2.35422557	1.07330383	1.10043857	1.12505758	2345170.04375623	2404455.31333795	2458244.09796710
Ca 317.933	Ca-R	103.88502360	mg/L	1121684.29943611	0.80675774	103.84003613	103.07032292	104.74471175	1121199.42343425	1112903.43726348	1130950.03761060
Cd 214.439	Cd	1.03576515	mg/L	214452.83144578	2.19312936	1.00961570	1.04706325	1.05061649	209039.60188986	216791.66618775	217527.22625973
Co 230.786	Co	1.05023661	mg/L	40775.74290139	2.29585240	1.02292169	1.05922456	1.06856357	39715.88068781	41124.48993761	41486.85807875
Cr 267.716	Cr	1.03920381	mg/L	67752.76071871	2.62419217	1.00946529	1.04510607	1.06304006	65813.66873484	68137.61638092	69306.99704035
Cu 324.754	Cu	1.07387368	mg/L	44844.64325880	2.64311459	1.04297242	1.07986551	1.09878312	43585.94104976	45088.70847198	45859.28025466
Fe 259.940	Fe	1.05067013	mg/L	60344.62039495	2.42001513	1.02285811	1.05642943	1.07272287	58751.64456916	60674.49246441	61607.72415128
K 766.491	K-R	114.38518241	mg/L	145399.14295252	0.75563287	114.23844376	113.60361272	115.31349074	145212.70453072	144406.12151914	146578.60280771
Li 670.783	Li-R	1.04838475	mg/L	103423.89100260	0.84909800	1.04658132	1.04052273	1.05805020	103246.04919767	102648.59381999	104377.02999013
Mg 279.800	Mg-R	104.59899730	mg/L	216255.15494289	0.81112013	104.62204141	103.73928647	105.43566403	216302.78279991	214478.29334734	217984.38868143
Mn 257.610	Mn	1.03596905	mg/L	470909.53474348	2.62122137	1.00613306	1.04253502	1.05923908	457351.47269152	473893.23868640	481483.89285251
Mo 204.598	Mo	1.11298294	mg/L	13189.70623171	2.55347599	1.08241950	1.11791626	1.13861306	12828.26986558	13248.04657934	13492.80225019
Na 589.592	Na-R	103.07517640	mg/L	933517.44093695	0.70771436	103.01149063	102.37962944	103.83440913	932945.35412436	927269.36956059	940337.59912590
Ni 231.604	Ni	1.01837424	mg/L	22473.20364518	2.69688868	0.98837218	1.02447573	1.04227480	21811.66966922	22607.73932021	23000.20194611
P 177.434	P	7.06785536	mg/L	1283.52715543	2.43871211	6.88440791	7.09272218	7.22643599	1250.28451469	1288.03328891	1312.26366267
Pb 220.353	Pb	1.01963667	mg/L	11835.87717548	2.63220454	0.99004211	1.02646847	1.04239944	11491.57323169	11915.35847089	12100.69982386
S 181.972	S	6.09761802	mg/L	7039.01583124	2.25635148	5.94407070	6.13908319	6.20970016	6865.65615445	7085.83129182	7165.56004744
Sb 206.834	Sb	1.07879034	mg/L	4551.73059935	2.93689444	1.04476345	1.08416607	1.10744150	4407.21222950	4574.56230723	4673.41726130
Se 196.026	Se	1.05841947	mg/L	3898.80305118	2.54545697	1.02819962	1.06713246	1.07992633	3788.72945681	3930.53946683	3977.14022992
Si 251.611	Si	5.54155761	mg/L	44149.09640122	2.58921945	5.38244472	5.58111766	5.66111045	42882.68991996	44463.96153693	45100.63774677
Sn 189.925	Sn	5.22297168	mg/L	59487.17188124	2.03375787	5.10279607	5.26180840	5.30431056	58118.80068891	59929.38352324	60413.33143157
Sr 421.552	Sr-R	1.07041484	mg/L	435108.20046676	0.64912676	1.07342657	1.06246873	1.07534921	436330.81946517	431882.46193054	437111.32000458
Ti 334.941	Ti	1.09441066	mg/L	372980.17612568	2.37687639	1.06469074	1.10550101	1.11304024	362856.35705506	376758.00080275	379326.17051923
Tl 190.794	Tl	1.10184276	mg/L	3847.10153243	2.26502475	1.07413628	1.10883194	1.12256007	3750.25776960	3871.53112507	3919.51570263
V 292.401	V	1.09855338	mg/L	40010.64027008	2.57471854	1.06735700	1.10577834	1.12252481	38875.42858177	40273.55077061	40882.94145787
Zn 206.200	Zn	1.03222948	mg/L	62178.03939144	2.22930588	1.00577425	1.04330720	1.04760700	60585.78742240	62844.77007846	63103.56067345
Y 371.029	Y	0.93	Ratio	859404.55	0.19	0.93	0.93	0.93	861215.42	858837.91	858160.33
Y 371.029	Y-R	0.93	Ratio	188185.15	1.05	0.93	0.94	0.92	188943.23	189676.59	185935.64

ENTHALPY INSTRUMENT BLANK FOR 469273 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672379380049 File : icp data Time : 20-SEP-2022 13:45
Cal : 672379380001 Caldate : 20-SEP-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 002)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	925504	884133	-4.47
Yttrium	R	202813	197339	-2.70

Instrument ID: MET09

Label: CCB | **Rack:Tube:** S1:1 | **Type:** QC

Date Time: 9/20/2022 1:45:58 PM | **Weight:** - | **Volume:** -

Dilution: - | **LIMS ID:** | **Customer:**

Customer Ref.: | **Sample Date Time:** | **Sample Site:**

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	!u	-0.00026187	mg/L	166.18737742	349.81648648	0.00039659	0.00012584	-0.00130803	216.67630195	195.91599422	85.96983610			u
Al 396.152	Al	!u	0.00032658	mg/L	874.04733255	250.63969338	0.00126929	-0.00008588	-0.00020368	907.29314577	859.50161540	855.34723647		u	u
As 188.980	As	!	0.00106376	mg/L	10.74470137	55.93205979	0.00174957	0.00068546	0.00075625	14.16042420	8.86053546	9.21314444			
B 249.678	B	!	0.00052689	mg/L	114.42019166	81.97029981	0.00045434	0.00013586	0.00099045	111.94692603	101.08841113	130.22523781			
Ba 230.424	Ba	!u	0.00013955	mg/L	100.56062820	165.01709336	0.00028409	-0.00012601	0.00026057	115.19220251	73.67752503	112.81215706		u	
Be 313.107	Be	!	0.00005063	mg/L	269.67364711	66.02479939	0.00008922	0.00003096	0.00003170	353.99736786	226.70717124	228.31640222			
Ca 317.933	Ca-R	!u	-0.00074997	mg/L	1949.89137377	127.00710916	-0.00121879	-0.00137722	0.00034609	1944.83843424	1943.13088133	1961.70480575	u	u	
Cd 214.439	Cd	!	0.00011086	mg/L	62.37306842	57.08208823	0.00016728	0.00004244	0.00012286	74.05272028	48.20936232	64.85712266			
Co 230.786	Co	!u	0.00007214	mg/L	36.01022641	513.77096267	-0.00026744	0.00046750	0.00001635	22.83417491	51.35085806	33.84564626	u		
Cr 267.716	Cr	!u	0.00006937	mg/L	-11.58756684	488.97346077	-0.00029534	0.00037541	0.00012804	-35.36823293	8.36770808	-7.76217565	u		
Cu 324.754	Cu	!	0.00222107	mg/L	1165.07795850	33.73036860	0.00307081	0.00193666	0.00165575	1199.69025633	1153.49295631	1142.05066286			
Fe 259.940	Fe	!	0.00073991	mg/L	72.98939259	9.94839033	0.00082396	0.00070883	0.00068694	77.80355995	71.20926695	69.95535087			
K 766.491	K-R	!	0.02652455	mg/L	85.44971048	73.89910237	0.04324548	0.00495337	0.03137480	106.69444352	58.04250378	91.61218415			
Li 670.783	Li-R	!u	-0.00009098	mg/L	-7.17341933	663.94168265	0.00000373	-0.00073681	0.00046013	2.16624664	-70.86005376	47.17354913		u	
Mg 279.800	Mg-R	!u	-0.00362853	mg/L	58.42046704	217.40852801	-0.01272903	0.00057815	0.00126527	39.61144602	67.11490197	68.53505314	u		
Mn 257.610	Mn	!u	0.00002622	mg/L	98.27137161	118.09423058	0.00002803	-0.00000561	0.00005625	99.09414704	83.80552080	111.91444701		u	
Mo 204.598	Mo	!	0.00022928	mg/L	30.57289150	97.13735185	0.00048603	0.00008803	0.00011379	33.60908307	28.90249879	29.20709264			
Na 589.592	Na-R	!u	-0.01493309	mg/L	275.71472598	56.48994860	-0.01106681	-0.02460895	-0.00912350	310.44532755	188.79678878	327.90206160	u	u	u
Ni 231.604	Ni	!u	0.00011663	mg/L	1.42527753	322.44018110	0.00008239	-0.00024114	0.00050864	0.67027982	-6.46346567	10.06901844		u	
P 177.434	P	!u	-0.00745820	mg/L	1.49111093	111.94504203	0.00131888	-0.01530063	-0.00839284	3.08161154	0.06997791	1.32174333		u	u
Pb 220.353	Pb	!u	0.00015658	mg/L	-24.80068383	520.99742379	-0.00038047	-0.00024508	0.00109528	-31.04870285	-29.47352590	-13.87982273	u	u	
S 181.972	S	!	0.01350463	mg/L	166.31469553	41.29816723	0.01830920	0.01481608	0.00738861	171.73920423	167.79536656	159.40951579			
Sb 206.834	Sb	!u	-0.00052934	mg/L	-32.80012328	345.32219485	0.00110597	-0.00250270	-0.00019129	-25.85465423	-41.18133941	-31.36437618		u	u
Se 196.026	Se	!u	0.00041085	mg/L	41.80701496	370.08599837	0.00214487	-0.00069455	-0.00021776	48.12303705	37.78066156	39.51734628		u	u
Si 251.611	Si	!	0.00261907	mg/L	62.03862479	29.12684433	0.00184655	0.00337187	0.00263879	55.89000381	68.03030947	62.19556110			
Sn 189.925	Sn	!u	-0.00004449	mg/L	14.97467113	1506.04179641	-0.00081253	0.00025876	0.00042031	6.22938033	18.42760709	20.26702597	u		
Sr 421.552	Sr-R	!u	0.00000311	mg/L	72.53627254	3466.75233880	-0.00011385	0.00002448	0.00009870	25.05682578	81.21216428	111.33982756	u		
Ti 334.941	Ti	!u	0.00005201	mg/L	192.98688179	260.55067285	0.00011798	-0.00010386	0.00014193	215.45772801	139.88845450	223.61446286		u	
Tl 190.794	Tl	!u	0.00096964	mg/L	-1.68611072	198.72770468	-0.00001472	-0.00026630	0.00318994	-5.12678190	-6.00616196	6.07461172	u	u	
V 292.401	V	!u	0.00010930	mg/L	36.73964816	255.53320417	-0.00018728	0.00036728	0.00014788	25.94752306	46.12756664	38.14385478	u		
Zn 206.200	Zn	!u	0.00000612	mg/L	28.82029833	2522.14743081	0.00015226	-0.00015514	0.00002123	37.61624981	19.11467714	29.72996805		u	
Y 371.029	Y	!	0.96	Ratio	884133.38	0.95	0.95	0.95	0.97	877870.84	880815.82	893713.47			
Y 371.029	Y-R	!	0.97	Ratio	197338.82	0.57	0.98	0.97	0.97	198476.35	197314.61	196225.51			

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 470417
Report Level: IV
Report Date: 01/12/2023

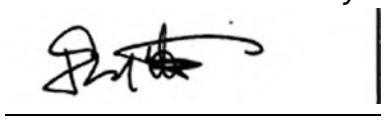
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	470417
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/07/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1E-DG-1.5 TO 2-C1.3-DG-221007-P-LA	470417-001	10/07/22 07:48	Wipe
ARCH-C2E-EXT-1 TO 2-221007-P-WF	470417-003	10/07/22 07:27	Wipe
ARCH-C2E-DG-2 TO 2.5-DG-221007-P-FB	470417-005	10/07/22 08:03	Wipe
ARCH-C2E-DG-1 TO 1.5-UP-C2.6-HS-221007-P-LA	470417-008	10/07/22 08:23	Wipe

ENTHALPY ANALYTICAL

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 470417 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/07/22

This data package contains sample and QC results for four wipe samples, requested for the above referenced project on 10/10/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/12/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

~~480417~~
420417

J9

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B							HOLD	Test Instructions / Comments
1	~~ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-2210 -P-~~	10/ /2022		WP	1		X									TS
2	~~ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-2210 -P-DUP-~~	10/ /2022		WP	1		X									TS
3	ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-2210 -L-	10/ /2022		WP	1			X								TS
4	~~ARCH-C2W-EXT-1 TO 2-2210 -P-~~	10/ /2022		WP	1		X									TS
5	~~ARCH-C2W-EXT-1 TO 2-2210 -L-~~	10/ /2022		WP	1			X								TS
6	~~ARCH-C2W-DG-1.5 TO 2-2210 -P-~~	10/ /2022		WP	1		X									TS
7	~~ARCH-C2W-DG-1.5 TO 2-2210 -L-~~	10/ /2022		WP	1			X								TS
8	ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-2210 -P-	10/ /2022		WP	1		X									TS
9	~~ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-2210 -L-~~	10/ /2022		WP	1			X								TS
10	~~ARCH-C2W-DG-2 TO 2.5-UP-C2.4 HS-2210 -P-~~	10/ /2022		WP	1		X									TS
11	~~ARCH-C2W-DG-2 TO 2.5-UP-C2.4 HS-2210 -L-~~	10/ /2022		WP	1			X								TS
12	~~ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-2210 -P-~~	10/ /2022		WP	1		X									TS
13	ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-2210 -L-	10/ /2022		WP	1			X								
14	ARCH-C1E-DG-~~1 TO 1.5~~ 1.5TO2-2.3-UP-~~C1.1~~ C1.3-DG-2210 07 -P- LA	10/07/2022	0740	WP	1		X									
15	ARCH-C1E-DG-~~1 TO 1.5~~ 1.5TO2-2.3-UP-~~C1.1~~ C1.3-DG-2210 07 -L- LA	10/07/2022	0740	WP	1			X								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon Env Scientist	10/7/22 @ 1355
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/7/22 @ 13:55
2 Relinquished By:	Audrey Hudson	"	"	10/7/22 @ 15:30
2 Received By:		Maureen Kelly	BL	10/7/22 1530
3 Relinquished By:		Maureen Kelly	BL	10/7/22 1620
3 Received By:		Elizabeth Ramos	EA - Orange	10/8/22 10:17

470 417

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Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK&RG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	ARCH-C2E-EXT-1 TO 2-221007-P-WF	10/07/2022	0727	WP	1		X		
17	ARCH-C2E-EXT-1 TO 2-221007-L-WF	10/07/2022	0727	WP	1			X	
18	ARCH-C2E-DG-~~1.5 TO 2~~-DG-221007-P-FB (21025)	10/07/2022	0803	WP	1		X		
19	ARCH-C2E-DG-~~1.5 TO 2~~-DG-221007-L-FB (21025)	10/07/2022	0803	WP	1			X	
20	ARCH-C2E-DG-~~1.5 TO 2~~-DG-221007-L-DUP-FB (21025)	10/07/2022	0803	WP	1			X	
21	ARCH-C2E-DG-1 TO 1.5-UP-C2.6-DG-221007-P-LA (HS)	10/07/2022	0823	WP	1		X		
22	ARCH-C2E-DG-1 TO 1.5-UP-C2.6-DG-221007-L-LA (HS)	10/07/2022	0823	WP	1			X	
23									
24									
25									
26									
27									
28									
29									
30									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure B/C

2xRivet Type 2 = 0.0200 ft²

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/Env Scientist	10/7/22 @1855
[1] Received By:	Audrey Hudson	Audrey Hudson	EW/THUP	10/7/22 @ 13:55
[2] Relinquished By:	Audrey Hudson	"	"	10/7/22 15:30
[2] Received By:				10/7/22 15:30
[3] Relinquished By:				10/7/22 16:28
[3] Received By:		Elizabeth Nam	EA - Orange	10/8/22 10:17

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 470417 Client: Ramon

Date Received: 10/7/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 10/7/22 By (print) MM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?		✓	
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: Sample ID for COC & COC does not match COC

Date Logged in 10/7/22 **By (print)** MM **(sign)** _____

Date Labeled 10/7/22 **By (print)** MM **(sign)** _____

470417

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 10/08/2022 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: SDS 557937309

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 10/08/22

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470417 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1E-DG-1.5 TO 2-C1.3-DG-221007-P-LA **Batch#:** 298551 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470417-001 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

DiIn Fac: 1.000 **Analyzed:** 10/12/22

470417-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470417-001 Surrogate	%REC	Limits
TCMX (PCB)	72	52-186
Decachlorobiphenyl (PCB)	60	50-150

Field ID: ARCH-C2E-EXT-1 TO 2-221007-P-WF **Batch#:** 298551 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470417-003 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

DiIn Fac: 1.000 **Analyzed:** 10/12/22

470417-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470417-003 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	63	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470417 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-DG-2 TO 2.5-DG-221007-P-FB **Batch#:** 298551 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470417-005 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Dil n Fac: 1.000 **Analyzed:** 10/12/22

470417-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470417-005 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	61	50-150

Field ID: ARCH-C2E-DG-1 TO 1.5-UP-C2.6-HS-221007-P-LA **Batch#:** 298551 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470417-008 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Dil n Fac: 1.000 **Analyzed:** 10/12/22

470417-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470417-008 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	61	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470417 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 298551 **Analysis:** EPA 8082

Lab ID: QC1017763 **Prepared:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/11/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1017763 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.25	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.25	ug/100 cm2
Aroclor-1248	ND	0.25	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.25	ug/100 cm2

QC1017763 Surrogate	%REC	Limits
TCMX (PCB)	91	52-186
Decachlorobiphenyl (PCB)	80	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 470417 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298551 **Analysis:** EPA 8082

Lab ID: QC1017764 **Prepared:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/11/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1017764 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.676	94	60-140	ug/100 cm2
Aroclor-1260	5.000	4.647	93	60-140	ug/100 cm2

QC1017764 Surrogate	%REC	Limits
TCMX (PCB)	91	52-186
Decachlorobiphenyl (PCB)	89	60-140

Type: BSD **Batch#:** 298551 **Analysis:** EPA 8082

Lab ID: QC1017765 **Prepared:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/12/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1017765 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.371	87	60-140	ug/100 cm2	7	20
Aroclor-1260	5.000	4.195	84	60-140	ug/100 cm2	10	20

QC1017765 Surrogate	%REC	Limits
TCMX (PCB)	86	52-186
Decachlorobiphenyl (PCB)	74	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 470417 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_091322017	452369928017		14-SEP-2022 00:39	S17263
L2	gc06_091322018	452369928018		14-SEP-2022 00:57	S17264
L3	gc06_091322019	452369928019		14-SEP-2022 01:14	S17265
L4	gc06_091322020	452369928020		14-SEP-2022 01:31	S17266
L5	gc06_091322021	452369928021		14-SEP-2022 01:49	S17267
L6	gc06_091322022	452369928022		14-SEP-2022 02:06	S17268
L7	gc06_091322023	452369928023		14-SEP-2022 02:23	S17269
L8	gc06_091322024	452369928024		14-SEP-2022 02:41	S17270
L9	gc06_091322025	452369928025		14-SEP-2022 02:58	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		51.0038		0.0196	13	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.8618		0.0419	15	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.2424		0.0494	12	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.8937		0.0372	13	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		33.6290		0.0297	13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.9968		0.0588	15	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.7720		0.0928	17	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		10.2883		0.0972	13	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		18.2372		0.0548	12	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		14.7296		0.0679	11	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.74549		1.3414	13	9	.99	20	
TCMX (PCB)	A	AVRG		1.04969		0.9527	7	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.7399		0.0201	15	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		23.8488		0.0419	14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.3303		0.0546	12	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		27.7423		0.0360	10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		32.8575		0.0304	10	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		14.4336		0.0693	13	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		12.8571		0.0778	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		9.99455		0.1001	11	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		15.1012		0.0662	11	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		10.1225		0.0988	12	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.75376		1.3267	15	9	.99	20	
TCMX (PCB)	B	AVRG		1.02137		0.9791	5	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 470417 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0248	0.0210	0.0210	0.0192	0.0198	0.0184	0.0182	0.0174	0.0165
Aroclor-1016 Peak # 2	A	0.0547	0.0466	0.0451	0.0412	0.0423	0.0388	0.0378	0.0365	0.0344
Aroclor-1016 Peak # 3	A	0.0628	0.0532	0.0516	0.0474	0.0495	0.0450	0.0453	0.0453	0.0445
Aroclor-1016 Peak # 4	A	0.0479	0.0404	0.0394	0.0359	0.0376	0.0343	0.0342	0.0334	0.0315
Aroclor-1016 Peak # 5	A	0.0379	0.0318	0.0317	0.0284	0.0304	0.0276	0.0277	0.0268	0.0253
Aroclor-1260 Peak # 1	A	0.0776	0.0627	0.0640	0.0568	0.0620	0.0533	0.0535	0.0515	0.0481
Aroclor-1260 Peak # 2	A	0.1164	0.1187	0.0974	0.0873	0.0961	0.0827	0.0820	0.0807	0.0743
Aroclor-1260 Peak # 3	A	0.1261	0.1013	0.1012	0.0927	0.1016	0.0898	0.0897	0.0892	0.0830
Aroclor-1260 Peak # 4	A	0.0677	0.0578	0.0593	0.0523	0.0597	0.0504	0.0501	0.0501	0.0460
Aroclor-1260 Peak # 5	A	0.0821	0.0693	0.0718	0.0650	0.0743	0.0629	0.0625	0.0639	0.0592
Decachlorobiphenyl (PCB)	A	1.6738	1.4539	1.4576	1.2778	1.4297	1.2363	1.1981	1.2116	1.1338
TCMX (PCB)	A	1.1108	0.9412	0.9502	0.8996	0.9519	0.9126	0.9227	0.9512	0.9339
Aroclor-1016 Peak # 1	B	0.0267	0.0218	0.0210	0.0196	0.0204	0.0189	0.0185	0.0175	0.0166
Aroclor-1016 Peak # 2	B	0.0538	0.0454	0.0456	0.0417	0.0419	0.0391	0.0383	0.0369	0.0348
Aroclor-1016 Peak # 3	B	0.0684	0.0563	0.0607	0.0520	0.0536	0.0512	0.0498	0.0520	0.0469
Aroclor-1016 Peak # 4	B	0.0439	0.0364	0.0385	0.0358	0.0367	0.0343	0.0338	0.0334	0.0316
Aroclor-1016 Peak # 5	B	0.0369	0.0320	0.0323	0.0302	0.0313	0.0288	0.0284	0.0279	0.0263
Aroclor-1260 Peak # 1	B	0.0893	0.0737	0.0720	0.0677	0.0726	0.0647	0.0633	0.0624	0.0579
Aroclor-1260 Peak # 2	B	0.1010	0.0852	0.0852	0.0746	0.0800	0.0719	0.0699	0.0682	0.0642
Aroclor-1260 Peak # 3	B	0.1221	0.1035	0.1070	0.0961	0.1064	0.0938	0.0919	0.0929	0.0868
Aroclor-1260 Peak # 4	B	0.0800	0.0692	0.0700	0.0623	0.0721	0.0627	0.0613	0.0615	0.0569
Aroclor-1260 Peak # 5	B	0.1205	0.1060	0.1058	0.0940	0.1065	0.0916	0.0894	0.0909	0.0844
Decachlorobiphenyl (PCB)	B	1.7059	1.4991	1.4323	1.2655	1.3995	1.2350	1.1599	1.1578	1.0852
TCMX (PCB)	B	1.1034	0.9559	0.9540	0.9180	0.9904	0.9622	0.9739	0.9921	0.9618

ENTHALPY INITIAL CALIBRATION FOR 470417 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**27**	50.000	7	100.00	7	250.00	-2	500.00	1	749.91	-6	1000.0	-7	1500.0	-11
Aroclor-1016 Peak # 2	A	20.000	**30**	50.000	11	100.00	8	250.00	-2	500.00	1	749.91	-7	1000.0	-10	1500.0	-13
Aroclor-1016 Peak # 3	A	20.000	**27**	50.000	8	100.00	4	250.00	-4	500.00	0	749.91	-9	1000.0	-8	1500.0	-8
Aroclor-1016 Peak # 4	A	20.000	**29**	50.000	9	100.00	6	250.00	-4	500.00	1	749.91	-8	1000.0	-8	1500.0	-10
Aroclor-1016 Peak # 5	A	20.000	**28**	50.000	7	100.00	6	250.00	-5	500.00	2	749.91	-7	1000.0	-7	1500.0	-10
Aroclor-1260 Peak # 1	A	20.000	**32**	50.000	7	100.00	9	250.00	-3	500.00	5	749.91	-9	1000.0	-9	1500.0	-13
Aroclor-1260 Peak # 2	A	20.000	**25**	50.000	**28**	100.00	5	250.00	-6	500.00	3	749.91	-11	1000.0	-12	1500.0	-13
Aroclor-1260 Peak # 3	A	20.000	**30**	50.000	4	100.00	4	250.00	-5	500.00	5	749.91	-8	1000.0	-8	1500.0	-8
Aroclor-1260 Peak # 4	A	20.000	**23**	50.000	5	100.00	8	250.00	-5	500.00	9	749.91	-8	1000.0	-9	1500.0	-9
Aroclor-1260 Peak # 5	A	20.000	**21**	50.000	2	100.00	6	250.00	-4	500.00	9	749.91	-7	1000.0	-8	1500.0	-6
Decachlorobiphenyl (PCB)	A	1.6000	**25**	4.0000	8	8.0000	9	20.000	-5	40.000	7	59.993	-8	80.000	-11	120.00	-10
TCMX (PCB)	A	1.6000	17	4.0000	-1	8.0000	0	20.000	-6	40.000	0	59.993	-4	80.000	-3	120.00	0
Aroclor-1016 Peak # 1	B	20.000	**33**	50.000	8	100.00	4	250.00	-2	500.00	1	749.91	-6	1000.0	-8	1500.0	-13
Aroclor-1016 Peak # 2	B	20.000	**28**	50.000	8	100.00	9	250.00	0	500.00	0	749.91	-7	1000.0	-9	1500.0	-12
Aroclor-1016 Peak # 3	B	20.000	**25**	50.000	3	100.00	11	250.00	-5	500.00	-2	749.91	-6	1000.0	-9	1500.0	-5
Aroclor-1016 Peak # 4	B	20.000	**22**	50.000	1	100.00	7	250.00	-1	500.00	2	749.91	-5	1000.0	-6	1500.0	-7
Aroclor-1016 Peak # 5	B	20.000	**21**	50.000	5	100.00	6	250.00	-1	500.00	3	749.91	-5	1000.0	-7	1500.0	-8
Aroclor-1260 Peak # 1	B	20.000	**29**	50.000	6	100.00	4	250.00	-2	500.00	5	749.91	-7	1000.0	-9	1500.0	-10
Aroclor-1260 Peak # 2	B	20.000	**30**	50.000	10	100.00	10	250.00	-4	500.00	3	749.91	-8	1000.0	-10	1500.0	-12
Aroclor-1260 Peak # 3	B	20.000	**22**	50.000	3	100.00	7	250.00	-4	500.00	6	749.91	-6	1000.0	-8	1500.0	-7
Aroclor-1260 Peak # 4	B	20.000	**21**	50.000	5	100.00	6	250.00	-6	500.00	9	749.91	-5	1000.0	-7	1500.0	-7
Aroclor-1260 Peak # 5	B	20.000	**22**	50.000	7	100.00	7	250.00	-5	500.00	8	749.91	-7	1000.0	-10	1500.0	-8
Decachlorobiphenyl (PCB)	B	1.6000	**29**	4.0000	13	8.0000	8	20.000	-5	40.000	5	59.993	-7	80.000	-13	120.00	-13
TCMX (PCB)	B	1.6000	13	4.0000	-2	8.0000	-3	20.000	-6	40.000	1	59.993	-2	80.000	-1	120.00	1

ENTHALPY INITIAL CALIBRATION FOR 470417 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-16
Aroclor-1016 Peak # 2	A	2000.0	-18
Aroclor-1016 Peak # 3	A	2000.0	-10
Aroclor-1016 Peak # 4	A	2000.0	-15
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-20
Aroclor-1260 Peak # 3	A	2000.0	-15
Aroclor-1260 Peak # 4	A	2000.0	-16
Aroclor-1260 Peak # 5	A	2000.0	-13
Decachlorobiphenyl (PCB)	A	160.00	-15
TCMX (PCB)	A	160.00	-2
Aroclor-1016 Peak # 1	B	2000.0	-17
Aroclor-1016 Peak # 2	B	2000.0	-17
Aroclor-1016 Peak # 3	B	2000.0	-14
Aroclor-1016 Peak # 4	B	2000.0	-12
Aroclor-1016 Peak # 5	B	2000.0	-14
Aroclor-1260 Peak # 1	B	2000.0	-16
Aroclor-1260 Peak # 2	B	2000.0	-18
Aroclor-1260 Peak # 3	B	2000.0	-13
Aroclor-1260 Peak # 4	B	2000.0	-14
Aroclor-1260 Peak # 5	B	2000.0	-15
Decachlorobiphenyl (PCB)	B	160.00	-18
TCMX (PCB)	B	160.00	-2

TJW 09/14/22 : Manually integrated due to baseline corrections for all channels in multiple levels

Analyst: TJW 09/14/22

Reviewer: SLL 09/14/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 470417 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_091322_1
Calnum:	452369928002	Cal Date:	14-SEP-2022

- ICV 452369928027 (gc06_091322027 14-SEP-2022) stds: S17274

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.2	ug/L	-3	15	
Aroclor-1260	A	500.0	511.2	ug/L	2	15	
Aroclor-1016	B	500.0	473.6	ug/L	-5	15	
Aroclor-1260	B	500.0	479.5	ug/L	-4	15	

-

Analyst: TJW 09/14/22 **Reviewer:** SLL 09/14/22

ENTHALPY INITIAL CALIBRATION FOR 470417 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101122_1
Calibration #:	452409808001	Date:	11-OCT-2022 15:18
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_101122008	452409808008		11-OCT-2022 15:18	S17360

Analyte	Ch	L1 RF	Type	a0	a1	a2	Avg RF	%RSD	Min r^2	Max %RSD	Flags
Aroclor-1268 Peak # 1	A	0.0296	AVRG		33.8222		0.0296	0	.99	20	
Aroclor-1268 Peak # 2	A	0.0395	AVRG		25.3379		0.0395	0	.99	20	
Aroclor-1268 Peak # 3	A	0.1729	AVRG		5.78515		0.1729	0	.99	20	
Aroclor-1268 Peak # 4	A	0.1375	AVRG		7.27188		0.1375	0	.99	20	
Aroclor-1268 Peak # 5	A	0.4905	AVRG		2.03882		0.4905	0	.99	20	
Aroclor-1268 Peak # 1	B	0.0298	AVRG		33.5327		0.0298	0	.99	20	
Aroclor-1268 Peak # 2	B	0.0386	AVRG		25.9185		0.0386	0	.99	20	
Aroclor-1268 Peak # 3	B	0.1676	AVRG		5.96789		0.1676	0	.99	20	
Aroclor-1268 Peak # 4	B	0.1292	AVRG		7.74084		0.1292	0	.99	20	
Aroclor-1268 Peak # 5	B	0.4274	AVRG		2.33976		0.4274	0	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

Spiked Amounts / Drifts	Ch	L1	%D
Aroclor-1268 Peak # 1	A	2000.0	0
Aroclor-1268 Peak # 2	A	2000.0	0
Aroclor-1268 Peak # 3	A	2000.0	0
Aroclor-1268 Peak # 4	A	2000.0	0
Aroclor-1268 Peak # 5	A	2000.0	0
Aroclor-1268 Peak # 1	B	2000.0	0
Aroclor-1268 Peak # 2	B	2000.0	0
Aroclor-1268 Peak # 3	B	2000.0	0
Aroclor-1268 Peak # 4	B	2000.0	0
Aroclor-1268 Peak # 5	B	2000.0	0

Analyst: TRN 10/17/22

Reviewer: LW 10/17/22

ENTHALPY CONTINUING CALIBRATION FOR 470417 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452409808004	File:	gc06_101122004	Time:	11-OCT-2022 14:08
Cal:	452369928002	Caldate:	14-SEP-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	516.1	ug/L	3	15	0.0000	
Aroclor-1260	A			500.0	540.9	ug/L	8	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3414	1.4742	40.00	43.96	ug/L	10	15	0.0000	
TCMX (PCB)	A	0.9527	0.9061	40.00	38.04	ug/L	-5	15	0.0000	
Aroclor-1016	B			500.0	470.2	ug/L	-6	15	0.0000	
Aroclor-1260	B			500.0	448.2	ug/L	-10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.3267	1.1836	40.00	35.69	ug/L	-11	15	0.0000	
TCMX (PCB)	B	0.9791	0.8892	40.00	36.33	ug/L	-9	15	0.0000	

ISTD (ICAL gc06_091322018)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7396287	8695058	17.56
1-bromo-2-nitrobenzene (PCB)	A	1574602	1944427	23.49

TJW 10/12/22 [Aroclor-1016 B]: Manually integrated due to baseline corrections for Ch. B

Analyst: TJW 10/12/22 **Reviewer:** LW 10/17/22

Enthalpy Internal Standard Summary for Sequence 452409808

Date:	10/11/22	Reference:	gc06_091322018
Sequence:	SVOA-GC06 gc06_101122	Analyzed:	09/14/22 00:57

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	7396287	1574602
		LOWER LIMIT	3698144	787301
		UPPER LIMIT	14792575	3149205
004	CCV		8695058	1944427

Enthalpy Internal Standard Summary for Sequence 452409808

Date:	10/11/22	Reference:	gc06_101122004
Sequence:	SVOA-GC06 gc06_101122	Analyzed:	10/11/22 14:08

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	8695058	1944427
		LOWER LIMIT	4347529	972213
		UPPER LIMIT	17390116	3888853
013	BLANK	QC1017760	8738421	1637378
014	BS	QC1017761	9280691	1735077
015	BSD	QC1017762	8926967	1666274
016	SAMPLE	470422-001	8967893	1771412
017	SAMPLE	470422-002	9199196	1869265
018	SAMPLE	470422-004	9243783	1960174
019	SAMPLE	470422-006	9499855	1982239
020	SAMPLE	470422-008	10522718	1942070
021	SAMPLE	470422-010	10163013	1835798
022	SAMPLE	470422-012	9557925	1976559
023	SAMPLE	470422-014	9976159	2048017
024	SAMPLE	470422-016	9738023	1771247
025	SAMPLE	470422-017	9726615	1745955
026	SAMPLE	470422-019	8733907	1873744
027	SAMPLE	470422-021	9044100	1677967
028	SAMPLE	470422-023	10773092	2004552
029	SAMPLE	470422-025	9124054	1697298
030	SAMPLE	470422-027	8930919	1683216
031	SAMPLE	470422-030	10025065	1854911
032	SAMPLE	470422-033	9523243	1785889
033	BLANK	QC1017763	9546243	1794425
034	BS	QC1017764	8720066	1648940
035	BSD	QC1017765	10813401	1982144
036	SAMPLE	470417-001	9794006	1749114
037	SAMPLE	470417-003	9277225	1701225
038	SAMPLE	470417-005	9359164	1724279
039	SAMPLE	470417-008	9500593	1757937

Enthalpy Internal Standard Summary for Sequence 452409808

Date:	10/11/22	Reference:	gc06_101122004
Sequence:	SVOA-GC06 gc06_101122	Analyzed:	10/11/22 14:08

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	3.92	4.11
		LOWER LIMIT	3.72	3.91
		UPPER LIMIT	4.12	4.31
013	BLANK	QC1017760	3.92	4.11
014	BS	QC1017761	3.92	4.11
015	BSD	QC1017762	3.92	4.11
016	SAMPLE	470422-001	3.92	4.11
017	SAMPLE	470422-002	3.92	4.11
018	SAMPLE	470422-004	3.93	4.11
019	SAMPLE	470422-006	3.92	4.11
020	SAMPLE	470422-008	3.92	4.11
021	SAMPLE	470422-010	3.92	4.11
022	SAMPLE	470422-012	3.92	4.11
023	SAMPLE	470422-014	3.92	4.11
024	SAMPLE	470422-016	3.92	4.11
025	SAMPLE	470422-017	3.92	4.11
026	SAMPLE	470422-019	3.92	4.11
027	SAMPLE	470422-021	3.92	4.11
028	SAMPLE	470422-023	3.92	4.11
029	SAMPLE	470422-025	3.92	4.11
030	SAMPLE	470422-027	3.92	4.11
031	SAMPLE	470422-030	3.92	4.11
032	SAMPLE	470422-033	3.92	4.11
033	BLANK	QC1017763	3.92	4.11
034	BS	QC1017764	3.92	4.11
035	BSD	QC1017765	3.92	4.11
036	SAMPLE	470417-001	3.92	4.11
037	SAMPLE	470417-003	3.92	4.11
038	SAMPLE	470417-005	3.92	4.11
039	SAMPLE	470417-008	3.92	4.11

Enthalpy Internal Standard Summary for Sequence 452409808

Date: 10/11/22 Reference: gc06_101122008
Sequence: SVOA-GC06 gc06_101122 Analyzed: 10/11/22 15:18

#	Type	Sample ID	1BR2NITROBZ1268 B	1BR2NITROBZ1268 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	9629214	1872600
		LOWER LIMIT	4814607	936300
		UPPER LIMIT	19258428	3745200
013	BLANK	QC1017760		
016	SAMPLE	470422-001		
017	SAMPLE	470422-002		
018	SAMPLE	470422-004		
019	SAMPLE	470422-006		
020	SAMPLE	470422-008		
021	SAMPLE	470422-010		
022	SAMPLE	470422-012		
023	SAMPLE	470422-014		
024	SAMPLE	470422-016		
025	SAMPLE	470422-017		
026	SAMPLE	470422-019		
027	SAMPLE	470422-021		
028	SAMPLE	470422-023		
029	SAMPLE	470422-025		
030	SAMPLE	470422-027		
031	SAMPLE	470422-030		
032	SAMPLE	470422-033		
033	BLANK	QC1017763		
036	SAMPLE	470417-001		
037	SAMPLE	470417-003	8944470	1695755
038	SAMPLE	470417-005	9057208	1711842
039	SAMPLE	470417-008	9146329	1753555

Enthalpy Internal Standard Summary for Sequence 452409808

Date:	10/11/22	Reference:	gc06_101122008
Sequence:	SVOA-GC06 gc06_101122	Analyzed:	10/11/22 15:18

#	Type	Sample ID	1BR2NITROBZ1268 B RT	1BR2NITROBZ1268 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	3.92	4.11
		LOWER LIMIT	3.72	3.91
		UPPER LIMIT	4.12	4.31
013	BLANK	QC1017760		
016	SAMPLE	470422-001		
017	SAMPLE	470422-002		
018	SAMPLE	470422-004		
019	SAMPLE	470422-006		
020	SAMPLE	470422-008		
021	SAMPLE	470422-010		
022	SAMPLE	470422-012		
023	SAMPLE	470422-014		
024	SAMPLE	470422-016		
025	SAMPLE	470422-017		
026	SAMPLE	470422-019		
027	SAMPLE	470422-021		
028	SAMPLE	470422-023		
029	SAMPLE	470422-025		
030	SAMPLE	470422-027		
031	SAMPLE	470422-030		
032	SAMPLE	470422-033		
033	BLANK	QC1017763		
036	SAMPLE	470417-001		
037	SAMPLE	470417-003	3.92	4.11
038	SAMPLE	470417-005	3.92	4.11
039	SAMPLE	470417-008	3.92	4.11

Enthalpy Sequence Summary for Sequence 452369928

Instrument: SVOA-GC06 Begun: 09/13/22 20:36
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
003	gc06_091322003	PEM				09/13/22 20:36	1.0	1
006	gc06_091322006	ICAL				09/13/22 21:28	1.0	2
007	gc06_091322007	ICAL				09/13/22 21:46	1.0	3
008	gc06_091322008	ICAL				09/13/22 22:03	1.0	4
009	gc06_091322009	ICAL				09/13/22 22:20	1.0	5
010	gc06_091322010	ICAL				09/13/22 22:38	1.0	6
011	gc06_091322011	ICAL				09/13/22 22:55	1.0	7
012	gc06_091322012	ICAL				09/13/22 23:12	1.0	8
013	gc06_091322013	ICAL				09/13/22 23:30	1.0	9
015	gc06_091322015	ICV				09/14/22 00:04	1.0	10
017	gc06_091322017	ICAL				09/14/22 00:39	1.0	11
018	gc06_091322018	ICAL				09/14/22 00:57	1.0	12
019	gc06_091322019	ICAL				09/14/22 01:14	1.0	13
020	gc06_091322020	ICAL				09/14/22 01:31	1.0	14
021	gc06_091322021	ICAL				09/14/22 01:49	1.0	15
022	gc06_091322022	ICAL				09/14/22 02:06	1.0	16
023	gc06_091322023	ICAL				09/14/22 02:23	1.0	17
024	gc06_091322024	ICAL				09/14/22 02:41	1.0	18
025	gc06_091322025	ICAL				09/14/22 02:58	1.0	19
027	gc06_091322027	ICV				09/14/22 03:33	1.0	20

TJW 09/14/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 3 through 27.

Standards Used:
1=S17018 2=S17239 3=S17240 4=S17241 5=S17242 6=S17243 7=S17244 8=S17245 9=S17246 10=S17235 11=S17263 12=S17264 13=S17265 14=S17266 15=S17267 16=S17268 17=S17269 18=S17270 19=S17271 20=S17274

Enthalpy Sequence Summary for Sequence 452409808

Instrument: SVOA-GC06 Begun: 10/11/22 14:08
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
004	gc06_101122004	CCV				10/11/22 14:08	1.0	1
008	gc06_101122008	ICAL				10/11/22 15:18	1.0	2
013	gc06_101122013	BLANK	QC1017760	Wipe	298550	10/11/22 17:49	1.0	3
014	gc06_101122014	BS	QC1017761	Wipe	298550	10/11/22 18:07	1.0	3
015	gc06_101122015	BSD	QC1017762	Wipe	298550	10/11/22 18:24	1.0	3
016	gc06_101122016	SAMPLE	470422-001	Wipe	298550	10/11/22 18:41	1.0	3
017	gc06_101122017	SAMPLE	470422-002	Wipe	298550	10/11/22 18:59	1.0	3
018	gc06_101122018	SAMPLE	470422-004	Wipe	298550	10/11/22 19:16	1.0	3
019	gc06_101122019	SAMPLE	470422-006	Wipe	298550	10/11/22 19:34	1.0	3
020	gc06_101122020	SAMPLE	470422-008	Wipe	298550	10/11/22 19:51	1.0	3
021	gc06_101122021	SAMPLE	470422-010	Wipe	298550	10/11/22 20:08	1.0	3
022	gc06_101122022	SAMPLE	470422-012	Wipe	298550	10/11/22 20:26	1.0	3
023	gc06_101122023	SAMPLE	470422-014	Wipe	298550	10/11/22 20:43	1.0	3
024	gc06_101122024	SAMPLE	470422-016	Wipe	298550	10/11/22 21:00	1.0	3
025	gc06_101122025	SAMPLE	470422-017	Wipe	298550	10/11/22 21:18	1.0	3
026	gc06_101122026	SAMPLE	470422-019	Wipe	298550	10/11/22 21:35	1.0	3
027	gc06_101122027	SAMPLE	470422-021	Wipe	298550	10/11/22 21:53	1.0	3
028	gc06_101122028	SAMPLE	470422-023	Wipe	298550	10/11/22 22:10	1.0	3
029	gc06_101122029	SAMPLE	470422-025	Wipe	298550	10/11/22 22:27	1.0	3
030	gc06_101122030	SAMPLE	470422-027	Wipe	298550	10/11/22 22:45	1.0	3
031	gc06_101122031	SAMPLE	470422-030	Wipe	298550	10/11/22 23:02	1.0	3
032	gc06_101122032	SAMPLE	470422-033	Wipe	298550	10/11/22 23:20	1.0	3
033	gc06_101122033	BLANK	QC1017763	Wipe	298551	10/11/22 23:37	1.0	3
034	gc06_101122034	BS	QC1017764	Wipe	298551	10/11/22 23:54	1.0	3
035	gc06_101122035	BSD	QC1017765	Wipe	298551	10/12/22 00:12	1.0	3
036	gc06_101122036	SAMPLE	470417-001	Wipe	298551	10/12/22 00:29	1.0	3
037	gc06_101122037	SAMPLE	470417-003	Wipe	298551	10/12/22 00:47	1.0	3
038	gc06_101122038	SAMPLE	470417-005	Wipe	298551	10/12/22 01:04	1.0	3
039	gc06_101122039	SAMPLE	470417-008	Wipe	298551	10/12/22 01:22	1.0	3

TJW 10/12/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 4 through 39.

Standards Used:
1=S17386 2=S17360 3=S17010

SAMPLE PREPARATION SUMMARY

Batch # : 298551 Analysis : 8080
Started By : EPL Prep Date : 10-OCT-2022 09:43 Finished By : EPL
Method : 3572M Units : dm2
Spike #1 ID : S17406 Spike #2 ID : S17295

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
470417-001		Wipe	1	20	1	20.0		1				PCB	
470417-003		Wipe	1	20	1	20.0		1				PCB	
470417-005		Wipe	1	20	1	20.0		1				PCB	
470417-008		Wipe	1	20	1	20.0		1				PCB	
QC1017763	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1017764	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1017765	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

Analyst: TJW Date: 10/12/22 Reviewer: LW Date: 10/17/22

8081/8082 Prep Log

Date/Time: 10/10/22 9:43 Initials: EPL

608 QC Batch#:

3572M 1-12-23 MAG

8081 QC Batch #: 10/10

Matrix: WIPE Prep Method: ~~3580~~ Balance ID: N/A

8082 QC Batch #: 2498551

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1 dm²	N/A	SH3	N/A	10.0			500 µL SURROGATE
LCS		↓	↓	↓	↓	↓			↓
LCSD						↓			
470417-001	A					20.0			
-003	A					↓			
-005	A								
-008	A	↓	↓	↓	↓	↓			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 223506

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: 517406 Volume: 1000 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: 517295 Volume: 500 µL

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: N/A Volume: N/A µL

REPORTING SUMMARY FOR 470417 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
470417-001	Aroclor-1016	SVOA-GC06	B	10/12/22 00:29
470417-001	Aroclor-1221	SVOA-GC06	B	10/12/22 00:29
470417-001	Aroclor-1232	SVOA-GC06	B	10/12/22 00:29
470417-001	Aroclor-1242	SVOA-GC06	B	10/12/22 00:29
470417-001	Aroclor-1248	SVOA-GC06	B	10/12/22 00:29
470417-001	Aroclor-1254	SVOA-GC06	B	10/12/22 00:29
470417-001	Aroclor-1260	SVOA-GC06	B	10/12/22 00:29
470417-001	Aroclor-1262	SVOA-GC06	B	10/12/22 00:29
470417-001	Aroclor-1268	SVOA-GC06	B	10/12/22 00:29
470417-001	TCMX (PCB)	SVOA-GC06	B	10/12/22 00:29
470417-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/12/22 00:29
470417-003	Aroclor-1016	SVOA-GC06	B	10/12/22 00:47
470417-003	Aroclor-1221	SVOA-GC06	B	10/12/22 00:47
470417-003	Aroclor-1232	SVOA-GC06	B	10/12/22 00:47
470417-003	Aroclor-1242	SVOA-GC06	B	10/12/22 00:47
470417-003	Aroclor-1248	SVOA-GC06	B	10/12/22 00:47
470417-003	Aroclor-1254	SVOA-GC06	B	10/12/22 00:47
470417-003	Aroclor-1260	SVOA-GC06	B	10/12/22 00:47
470417-003	Aroclor-1262	SVOA-GC06	B	10/12/22 00:47
470417-003	Aroclor-1268	SVOA-GC06	B	10/12/22 00:47
470417-003	TCMX (PCB)	SVOA-GC06	B	10/12/22 00:47
470417-003	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/12/22 00:47
470417-005	Aroclor-1016	SVOA-GC06	B	10/12/22 01:04
470417-005	Aroclor-1221	SVOA-GC06	B	10/12/22 01:04
470417-005	Aroclor-1232	SVOA-GC06	B	10/12/22 01:04
470417-005	Aroclor-1242	SVOA-GC06	B	10/12/22 01:04
470417-005	Aroclor-1248	SVOA-GC06	B	10/12/22 01:04
470417-005	Aroclor-1254	SVOA-GC06	B	10/12/22 01:04
470417-005	Aroclor-1260	SVOA-GC06	B	10/12/22 01:04
470417-005	Aroclor-1262	SVOA-GC06	B	10/12/22 01:04
470417-005	Aroclor-1268	SVOA-GC06	B	10/12/22 01:04
470417-005	TCMX (PCB)	SVOA-GC06	B	10/12/22 01:04
470417-005	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/12/22 01:04
470417-008	Aroclor-1016	SVOA-GC06	B	10/12/22 01:22
470417-008	Aroclor-1221	SVOA-GC06	B	10/12/22 01:22
470417-008	Aroclor-1232	SVOA-GC06	B	10/12/22 01:22
470417-008	Aroclor-1242	SVOA-GC06	B	10/12/22 01:22
470417-008	Aroclor-1248	SVOA-GC06	B	10/12/22 01:22
470417-008	Aroclor-1254	SVOA-GC06	B	10/12/22 01:22
470417-008	Aroclor-1260	SVOA-GC06	B	10/12/22 01:22
470417-008	Aroclor-1262	SVOA-GC06	B	10/12/22 01:22
470417-008	Aroclor-1268	SVOA-GC06	B	10/12/22 01:22
470417-008	TCMX (PCB)	SVOA-GC06	B	10/12/22 01:22
470417-008	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/12/22 01:22
QC1017763	Aroclor-1016	SVOA-GC06	B	10/11/22 23:37
QC1017763	Aroclor-1221	SVOA-GC06	B	10/11/22 23:37
QC1017763	Aroclor-1232	SVOA-GC06	B	10/11/22 23:37
QC1017763	Aroclor-1242	SVOA-GC06	B	10/11/22 23:37
QC1017763	Aroclor-1248	SVOA-GC06	B	10/11/22 23:37
QC1017763	Aroclor-1254	SVOA-GC06	B	10/11/22 23:37

REPORTING SUMMARY FOR 470417 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
QC1017763	Aroclor-1260	SVOA-GC06	B	10/11/22 23:37
QC1017763	Aroclor-1262	SVOA-GC06	B	10/11/22 23:37
QC1017763	Aroclor-1268	SVOA-GC06	B	10/11/22 23:37
QC1017763	TCMX (PCB)	SVOA-GC06	B	10/11/22 23:37
QC1017763	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/11/22 23:37
QC1017764	Aroclor-1016	SVOA-GC06	B	10/11/22 23:54
QC1017764	Aroclor-1260	SVOA-GC06	B	10/11/22 23:54
QC1017764	TCMX (PCB)	SVOA-GC06	B	10/11/22 23:54
QC1017764	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/11/22 23:54
QC1017765	Aroclor-1016	SVOA-GC06	B	10/12/22 00:12
QC1017765	Aroclor-1260	SVOA-GC06	B	10/12/22 00:12
QC1017765	TCMX (PCB)	SVOA-GC06	B	10/12/22 00:12
QC1017765	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/12/22 00:12

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	470417-001	Client ID:	ARCH-C1E-DG-1.5 TO 2-C1.3-DG-221007-P-LA
Seqnum:	452409808036.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_101122036	Batch:	298551	Time:	12-OCT-2022 00:29
Cal:	452369928002	Caldate:	14-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	14.11	ND	1.2	122%	0.50		u
Aroclor-1016 Peak # 1	B	30.22	0.60	0.80	28%			
Aroclor-1016 Peak # 2	B	17.81	0.36	0.10	109%			
Aroclor-1016 Peak # 3	B	19.17	0.38	1.20	103%			
Aroclor-1016 Peak # 4	B	2.786	0.06	3.66	194%			
Aroclor-1016 Peak # 5	B	0.5562	0.01	0.03	97%			
Aroclor-1221	B		ND			0.50		u
Aroclor-1232	B		ND			0.50		u
Aroclor-1242	B		ND			0.50		u
Aroclor-1248	B		ND			0.50		u
Aroclor-1254	B		ND			0.50		u
Aroclor-1260	B	9.533	ND	0.40	71%	0.50		u
Aroclor-1260 Peak # 1	B	5.056	0.10	0.82	156%			
Aroclor-1260 Peak # 2	B	3.431	0.07	0.05	27%			
Aroclor-1260 Peak # 3	B	19.20	0.38	0.07	136%			
Aroclor-1260 Peak # 4	B	5.411	0.11	0.71	147%			
Aroclor-1260 Peak # 5	B	14.57	0.29	0.35	18%			
Aroclor-1262	B		ND			0.50		u
Aroclor-1268	B		ND			0.50		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.77	1.000	0.7153	72	52-186	u
Decachlorobiphenyl (PCB)	B	29.93	1.000	0.5985	60	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_101122004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8695058	9794006	12.64
1-bromo-2-nitrobenzene (PCB)	A	1944427	1749114	-10.04

ISTD (ICAL gc06_101122008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	9629214	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1268)	A	1872600	**???**	**-100.00 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_101122004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_101122008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	3.92	**???**	
1-bromo-2-nitrobenzene (1268)	A	4.11	**???**	

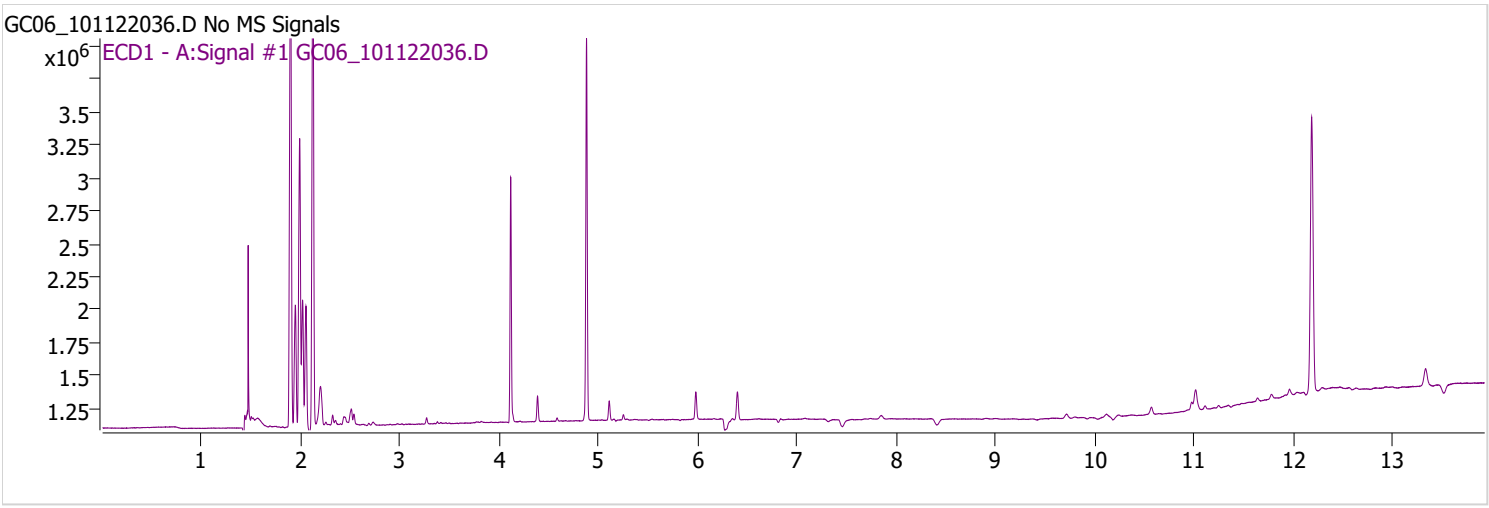
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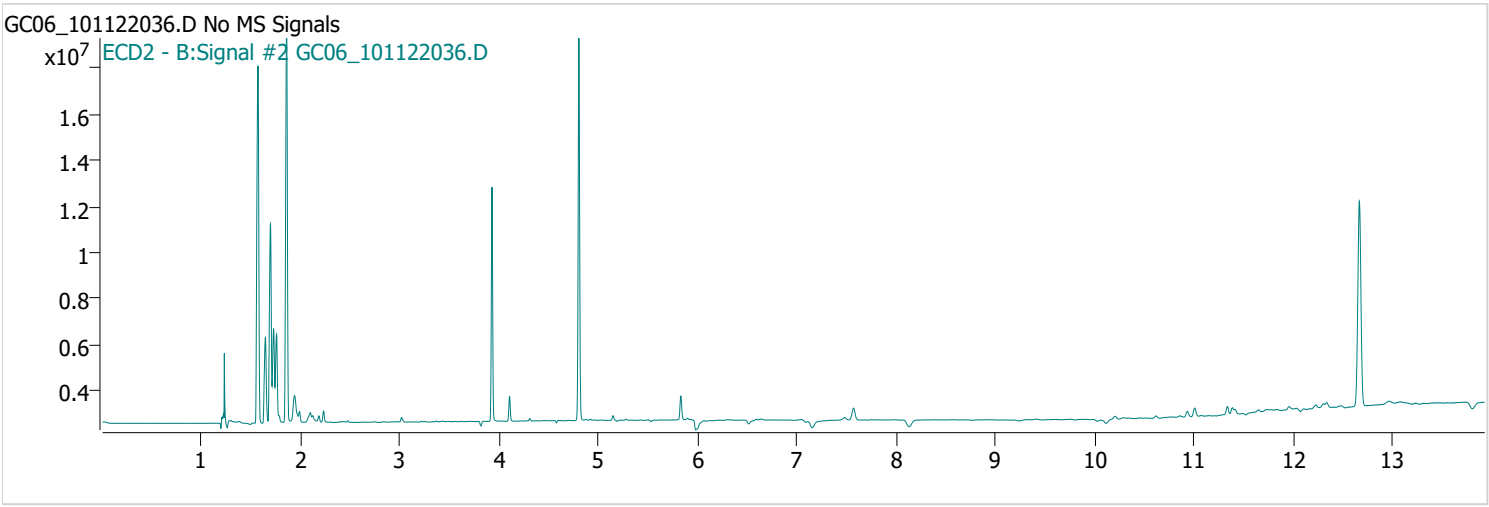
Analyst: TJW 10/12/22 *

Reviewer: LW 10/17/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC06_101122036.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 12:29:44 AM
Sample Name	470417-001, 298551, 1	Instrument	SVOA-GC06
Vial	24	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101122PCB.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



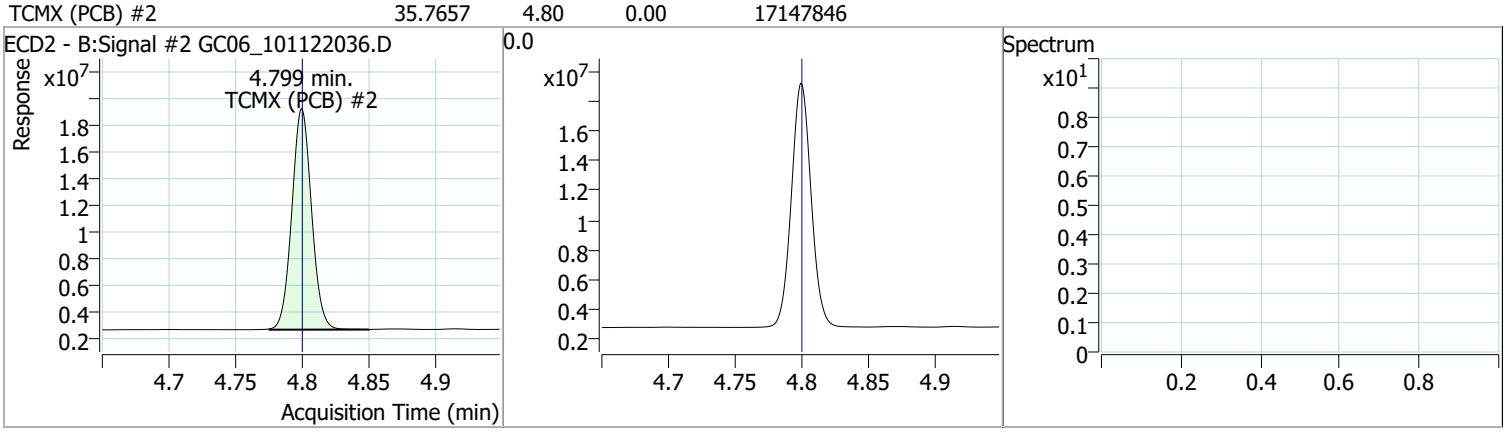


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.923	0.0	9794005.549	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.112	0.0	1749114.018	20.0000	ng/ml		-0.007
System Monitoring Compounds							
S TCMX (PCB) #2	4.799	0.0	17147846.322	35.7657	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 178.83%		*	
S TCMX (PCB)	4.876	0.0	2968750.986	35.6330	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 178.16%		*	
S Decachlorobiphenyl (PCB)	12.183	0.0	4070720.452	34.7000	ng/ml		-0.020
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 173.50%		*	
S Decachlorobiphenyl (PCB) #2	12.663	0.0	19442478.349	29.9267	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 149.63%			
Target Compounds							QValue

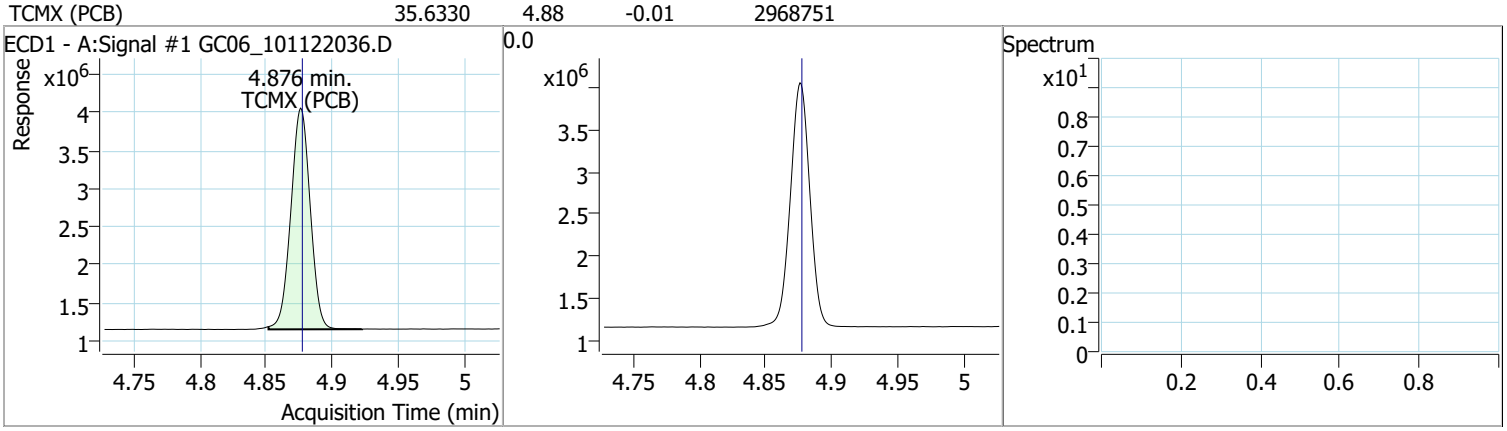
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.248	0.0	68723.003	40.0795	ng/ml	100
T AR1016 1 #2	5.276	0.0	297568.997	30.2251	ng/ml	100
T AR1016 2	5.538	0.0	19189.586	5.2358	ng/ml	100
T AR1016 2 #2	5.608	0.0	365755.488	17.8128	ng/ml	100
T AR1016 3	5.978	0.0	259913.554	60.1602	ng/ml	100
T AR1016 3 #2	5.915	0.0	512216.952	19.1734	ng/ml	100
T AR1016 4	6.162	0.0	595332.112	183.0743	ng/ml	100
T AR1016 4 #2	6.291	0.0	49184.689	2.7864	ng/ml	100
T AR1016 5	6.550	0.0	4183.691	1.6088	ng/ml	100
T AR1016 5 #2	6.765	0.0	8290.178	0.5563	ng/ml	100
T AR1260 1	8.343	0.0	210220.345	40.8563	ng/ml	100
T AR1260 1 #2	8.903	0.0	171550.236	5.0564	ng/ml	100
T AR1260 2	8.900	0.0	21322.209	2.6263	ng/ml	100
T AR1260 2 #2	9.405	0.0	130661.610	3.4306	ng/ml	100
T AR1260 3	9.517	0.0	30967.920	3.6431	ng/ml	100
T AR1260 3 #2	10.203	0.0	940693.900	19.1994	ng/ml	100
T AR1260 4	10.114	0.0	169792.186	35.4072	ng/ml	100
T AR1260 4 #2	10.616	0.0	175458.108	5.4108	ng/ml	100
T AR1260 5	10.973	0.0	103734.332	17.4715	ng/ml	100
T AR1260 5 #2	11.334	0.0	704826.624	14.5695	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

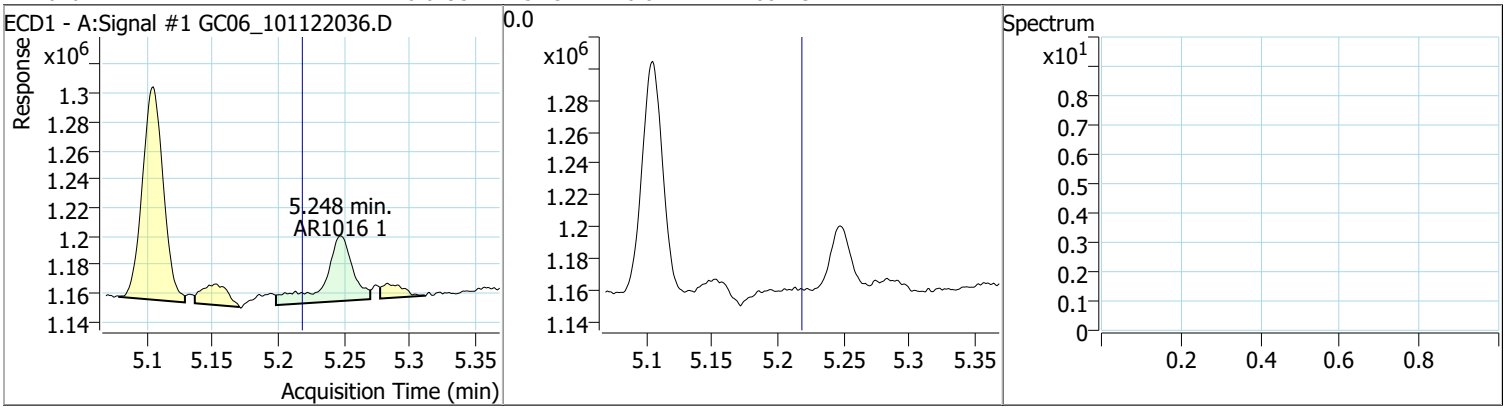
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.7657	4.80	0.00	17147846				



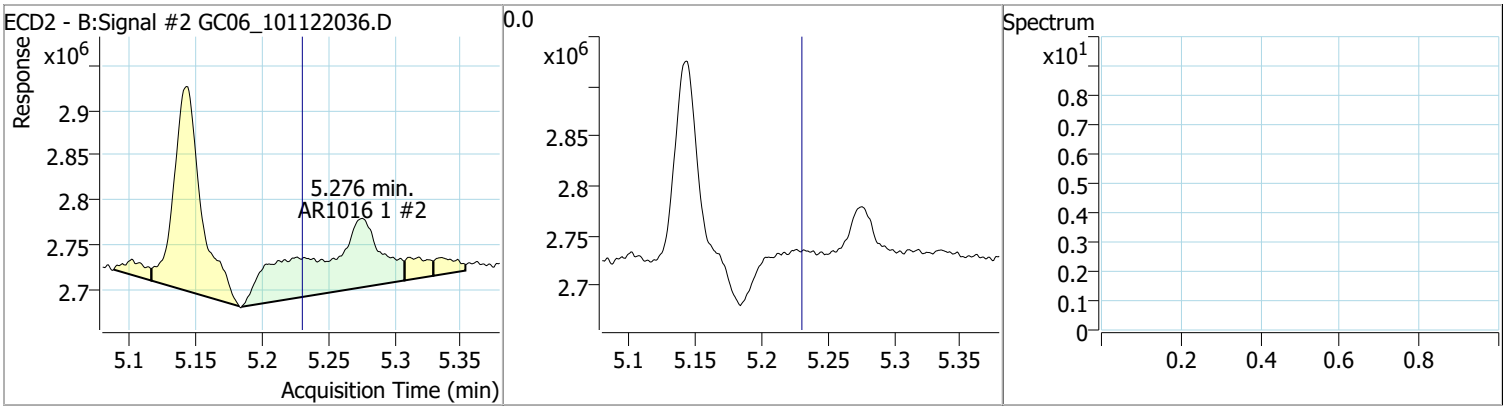
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.6330	4.88	-0.01	2968751				



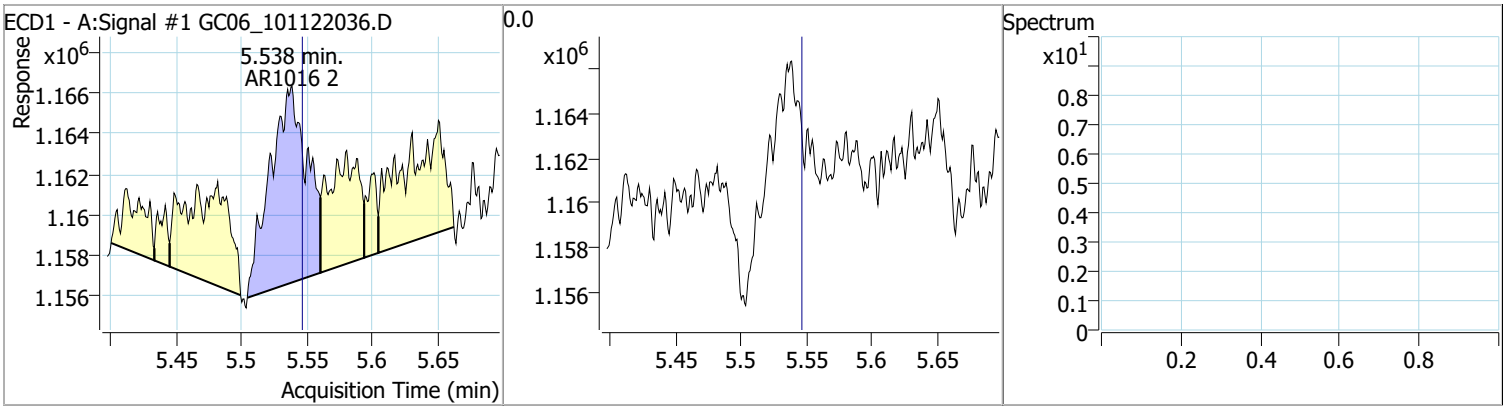
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	40.0795	5.25	0.02	68723				



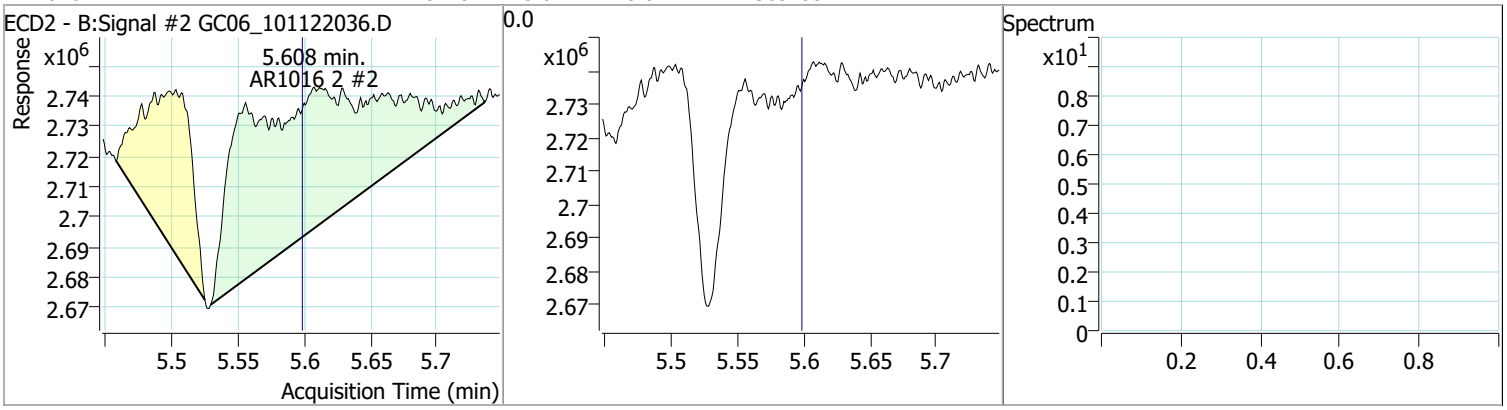
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	30.2251	5.28	0.04	297569				



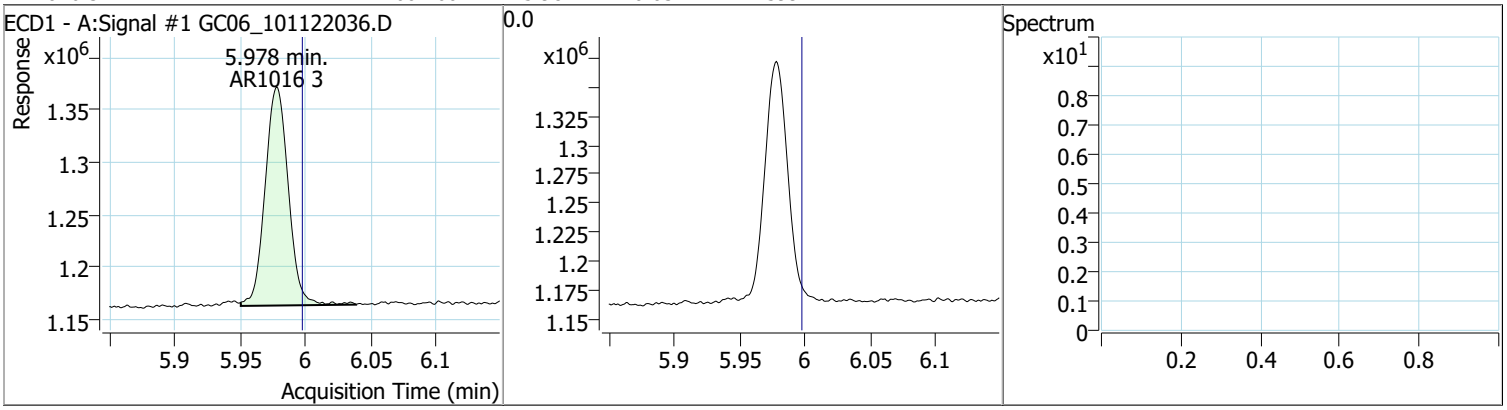
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	5.2358	5.54	-0.02	19190				



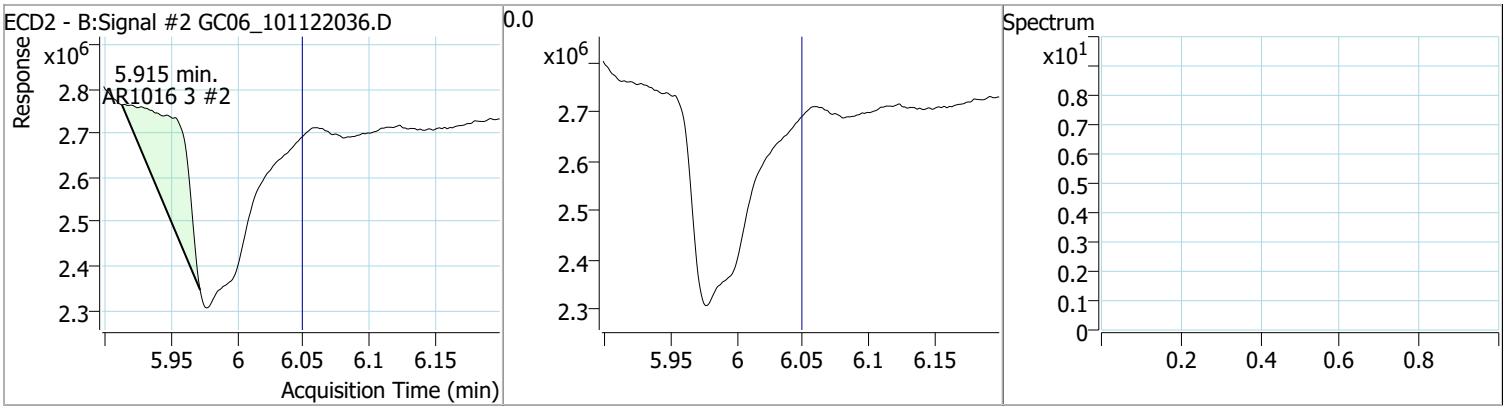
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	17.8128	5.61	0.01	365755				



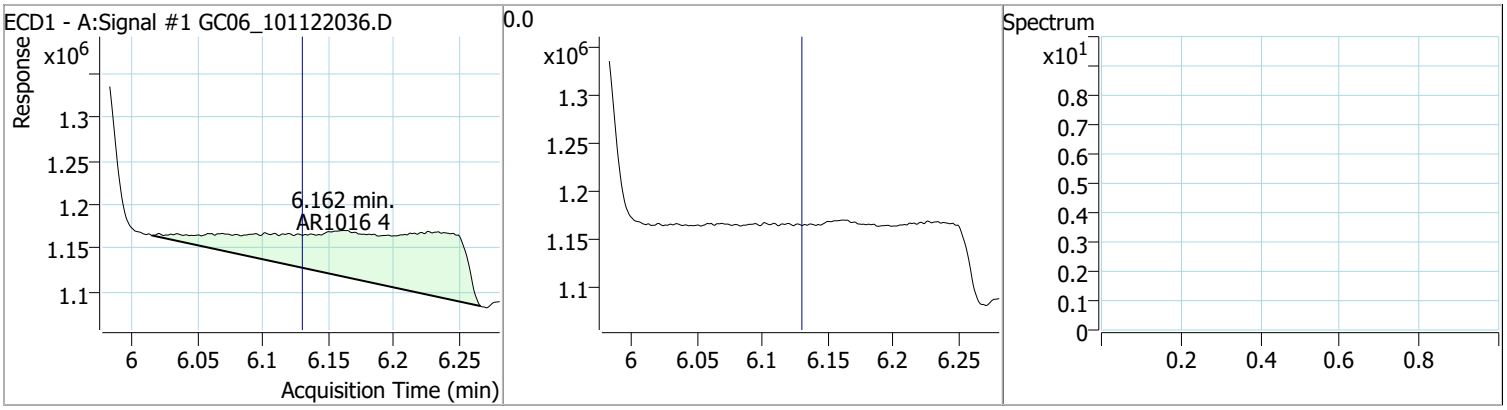
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	60.1602	5.98	-0.03	259914				



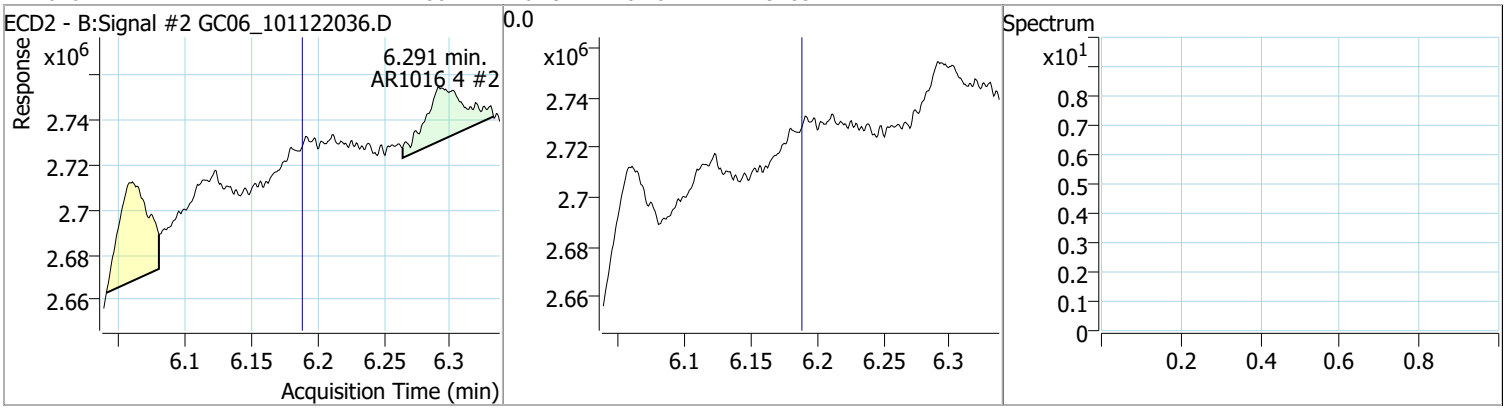
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	19.1734	5.92	-0.14	512217				



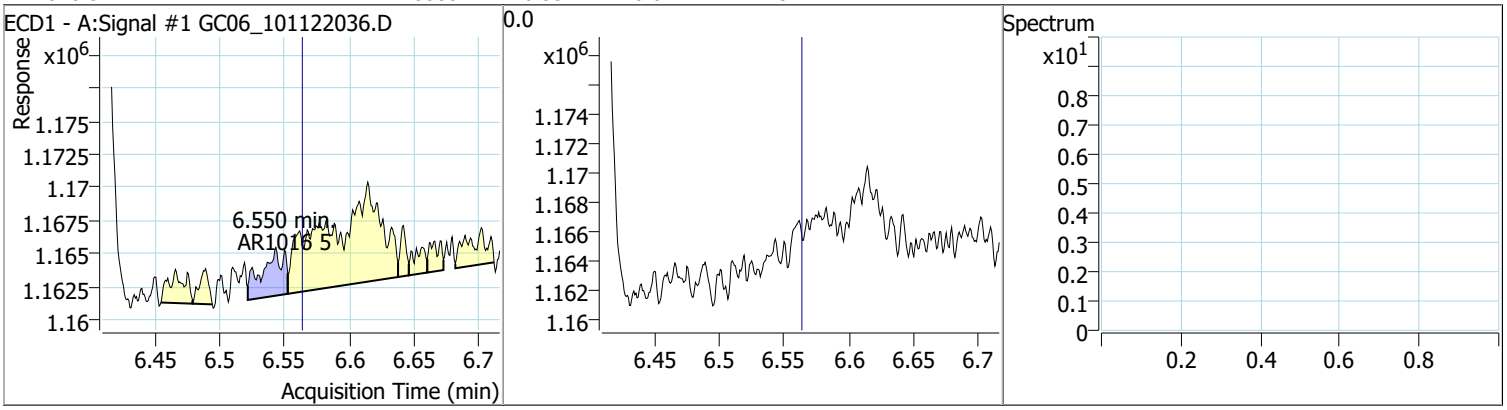
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	183.0743	6.16	0.02	595332				



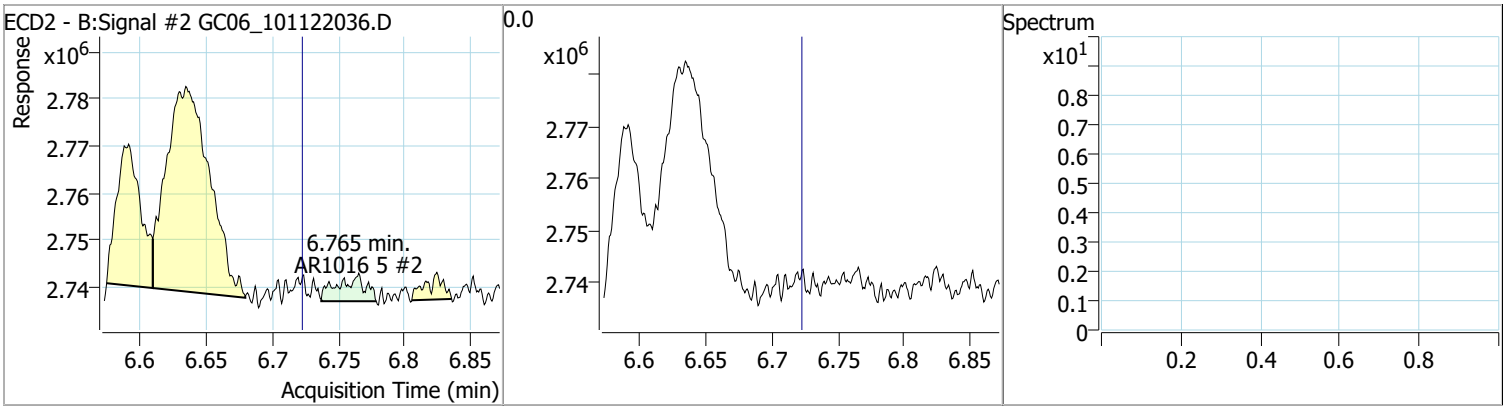
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.7864	6.29	0.10	49185				



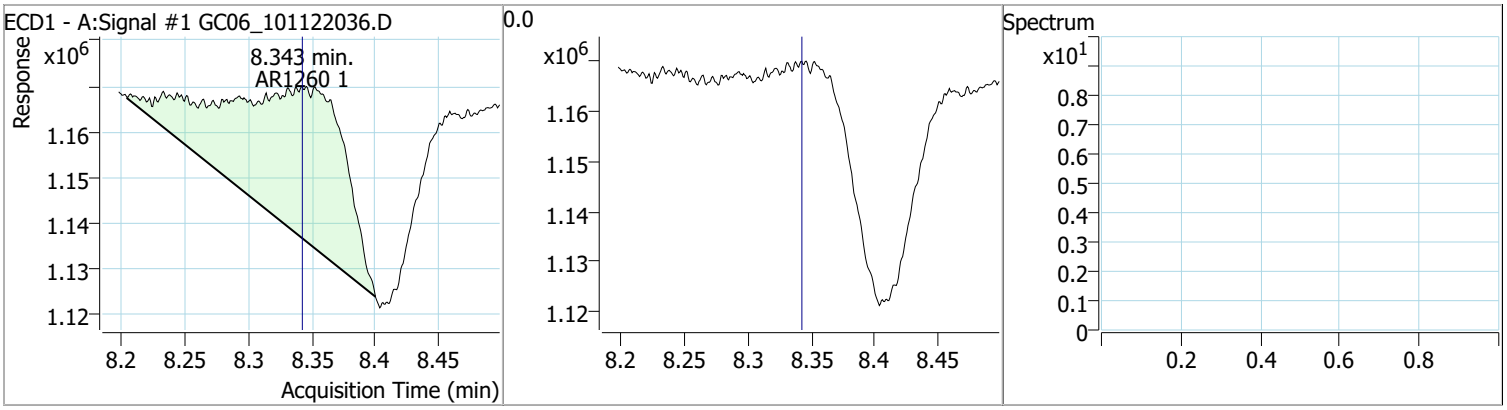
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1.6088	6.55	-0.02	4184				



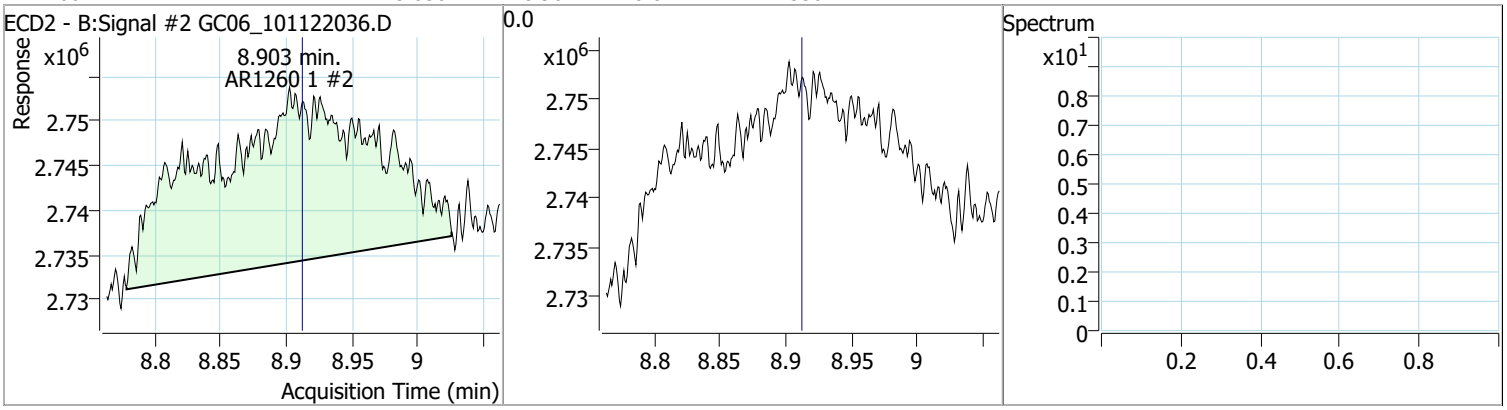
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5563	6.77	0.04	8290				



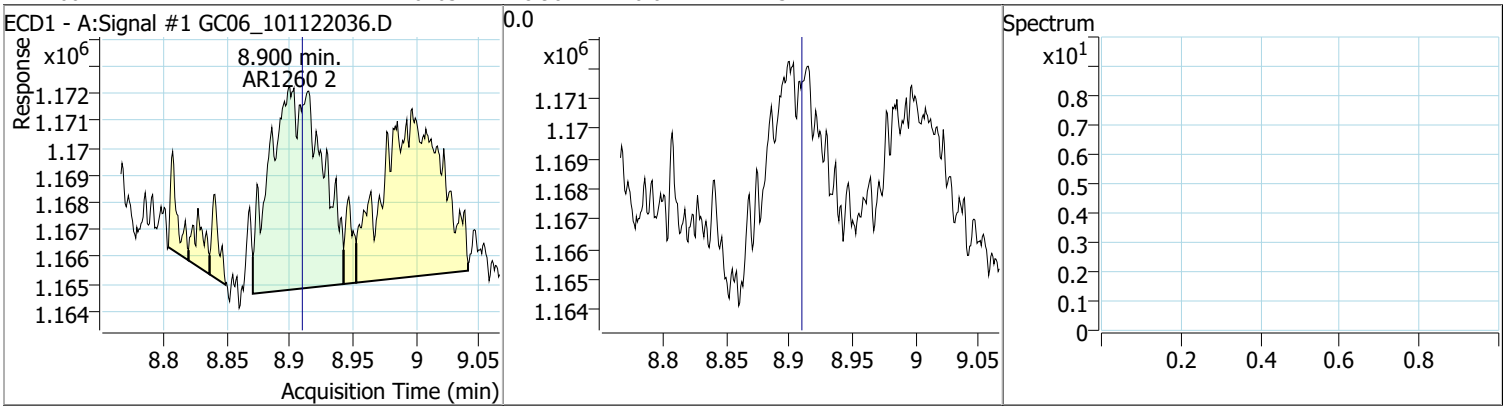
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	40.8563	8.34	-0.01	210220				



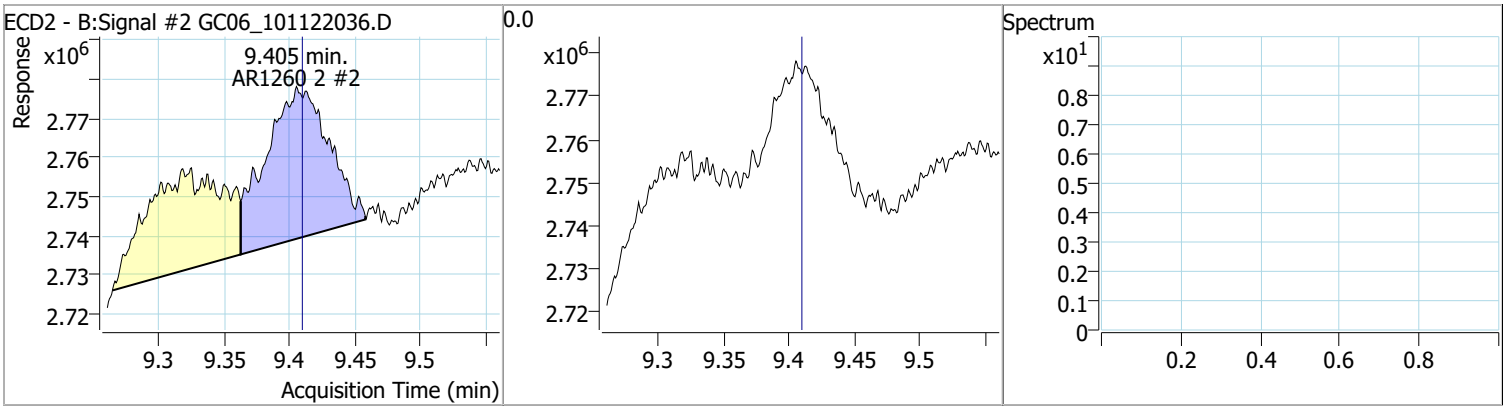
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.0564	8.90	-0.01	171550				



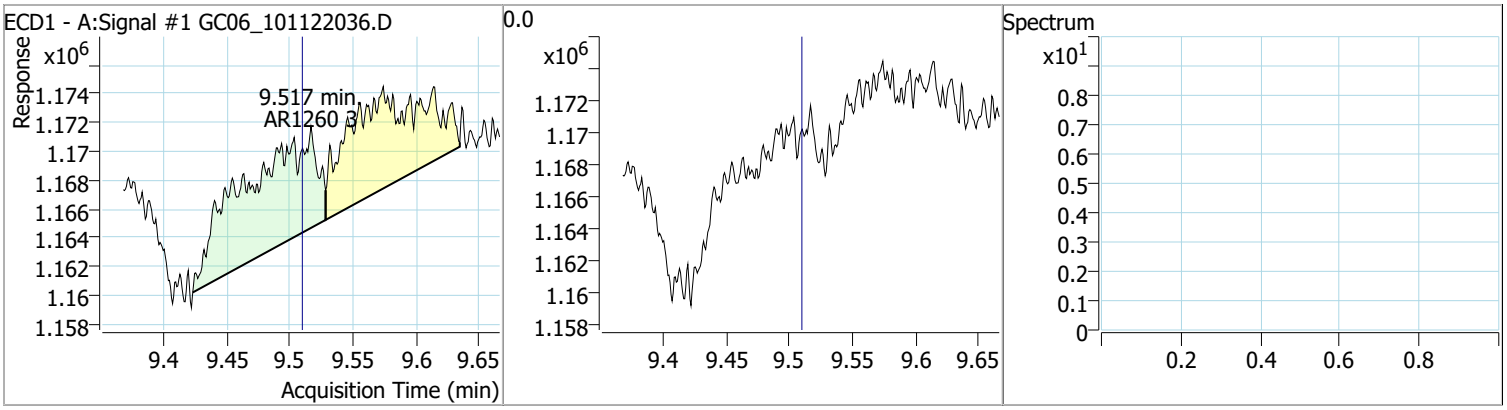
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.6263	8.90	-0.02	21322				



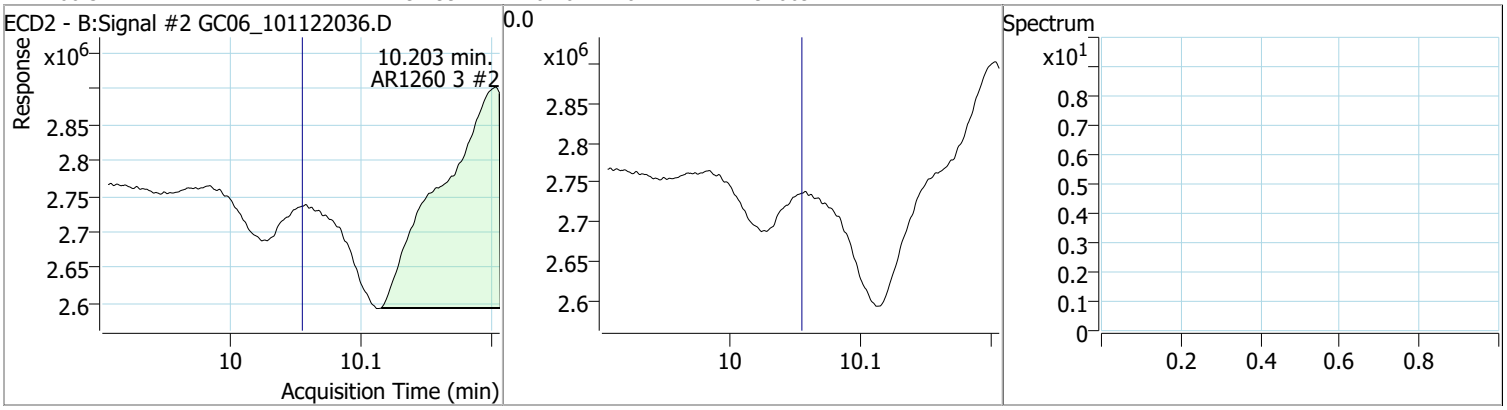
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AR1260 2 #2	3.4306	9.41	-0.01	130662				



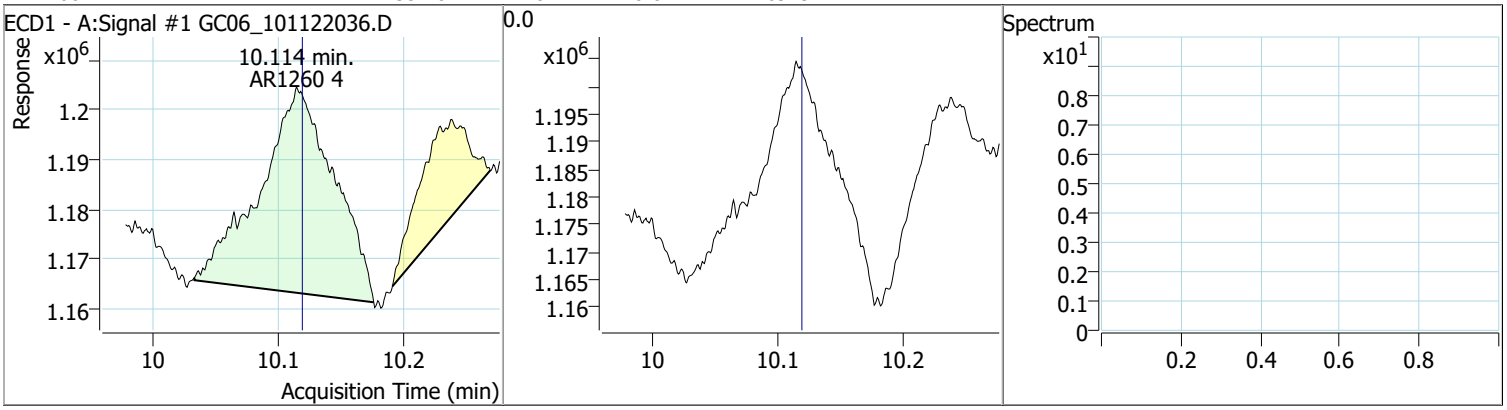
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.6431	9.52	-0.01	30968				



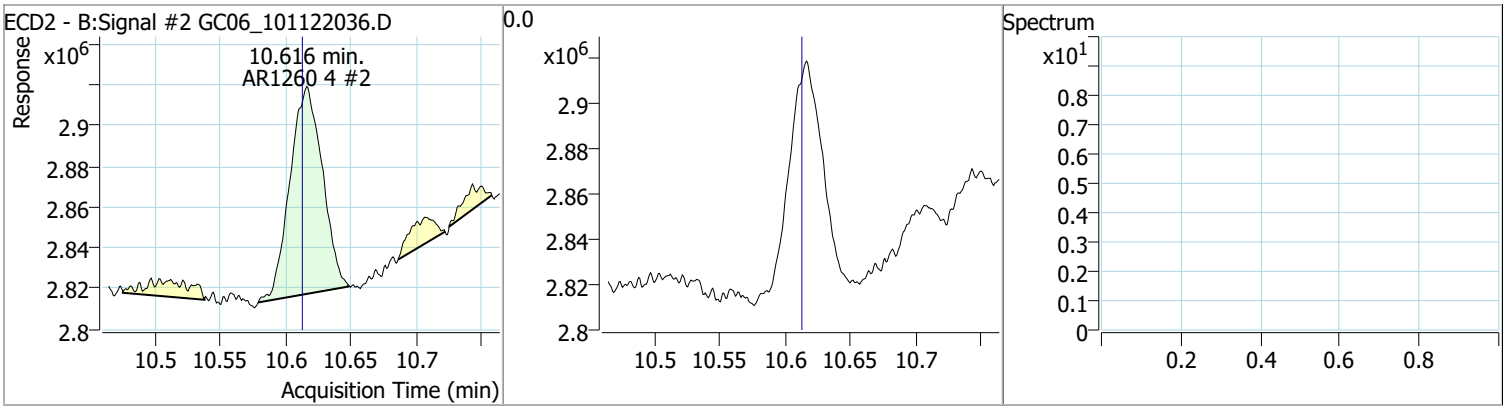
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	19.1994	10.20	0.14	940694				



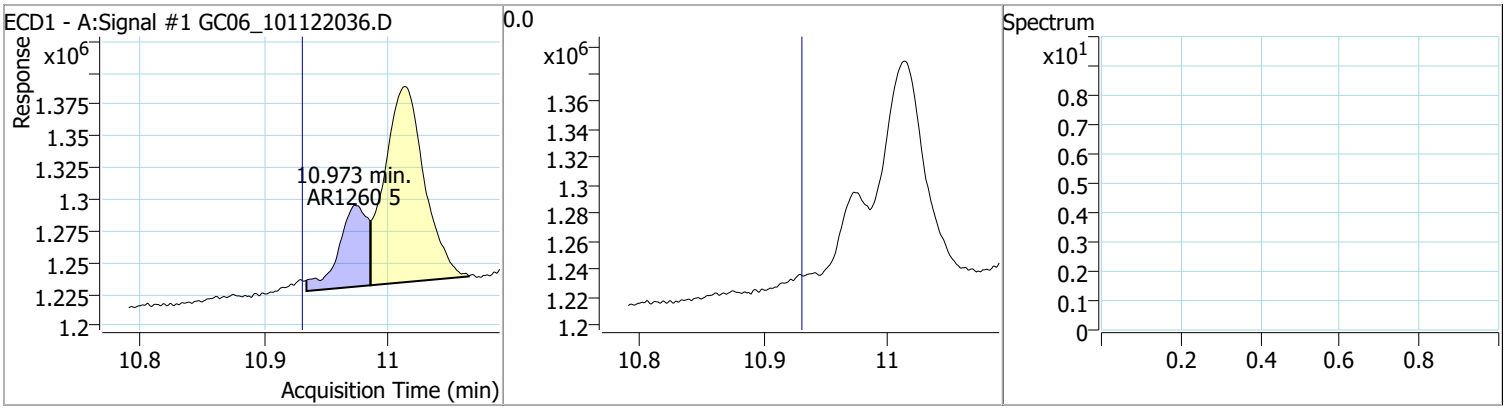
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	35.4072	10.11	-0.02	169792				



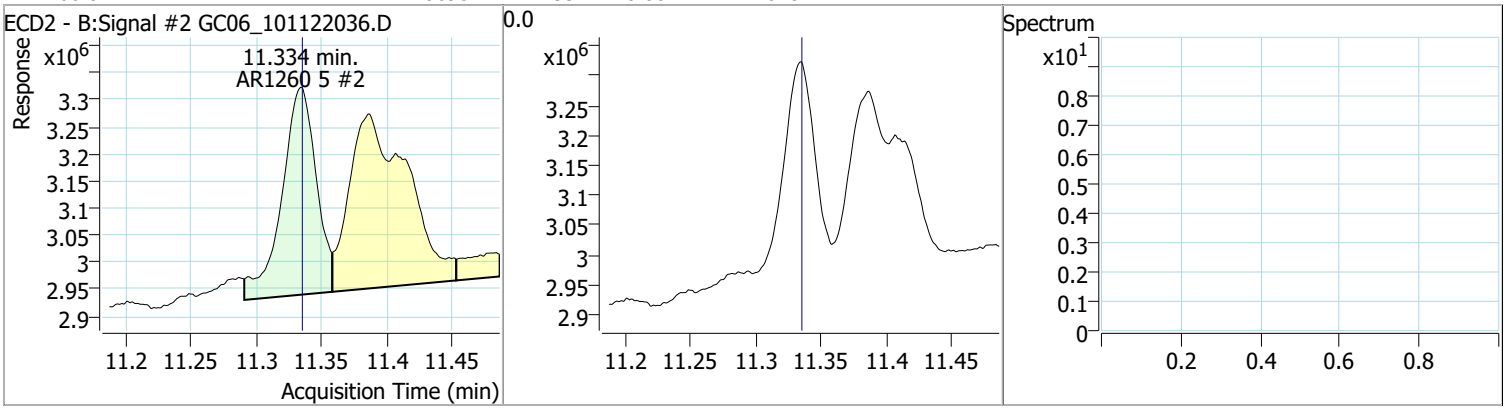
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.4108	10.62	0.00	175458				



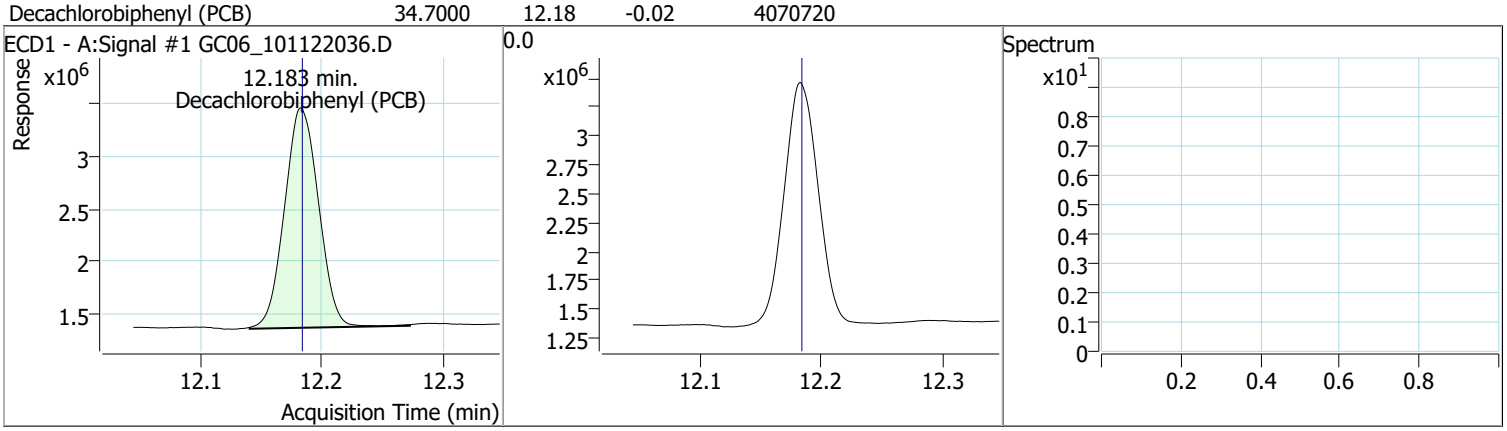
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	17.4715	10.97	0.03	103734				



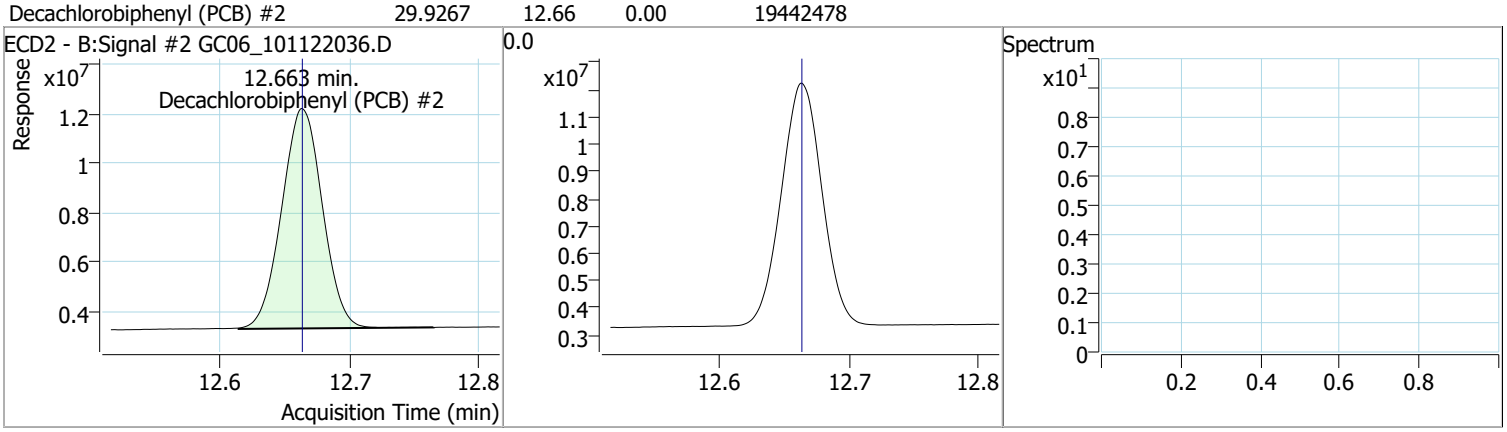
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	14.5695	11.33	0.00	704827				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.7000	12.18	-0.02	4070720				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.9267	12.66	0.00	19442478				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	470417-003	Client ID:	ARCH-C2E-EXT-1 TO 2-221007-P-WF
Seqnum:	452409808037.3	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_101122037	Batch:	298551	Time:	12-OCT-2022 00:47
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	452369928002	14.54	ND	0.43	39%	0.50		u
Aroclor-1016 Peak # 1	B	452369928002	29.53	0.59	0.60	1%			
Aroclor-1016 Peak # 2	B	452369928002	15.96	0.32	0.06	137%			
Aroclor-1016 Peak # 3	B	452369928002	20.61	0.41	1.47	113%			
Aroclor-1016 Peak # 4	B	452369928002	5.172	0.10	ND				
Aroclor-1016 Peak # 5	B	452369928002	1.429	0.03	0.02	36%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	452369928002	22.37	ND	0.48	8%	0.50		u
Aroclor-1260 Peak # 1	B	452369928002	4.856	0.10	0.78	155%			
Aroclor-1260 Peak # 2	B	452369928002	5.766	0.12	0.08	33%			
Aroclor-1260 Peak # 3	B	452369928002	26.17	0.52	0.06	156%			
Aroclor-1260 Peak # 4	B	452369928002	11.40	0.23	0.79	111%			
Aroclor-1260 Peak # 5	B	452369928002	63.66	1.27	0.70	57%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B	452409808001	25.17	~~0.50~~ FP	0.53	5%	0.50		?v x u
Aroclor-1268 Peak # 1	B	452409808001	68.69	1.37	1.15	18%			
Aroclor-1268 Peak # 2	B	452409808001	19.85	0.40	1.11	95%			
Aroclor-1268 Peak # 3	B	452409808001	11.37	0.23	0.25	11%			
Aroclor-1268 Peak # 4	B	452409808001	21.83	0.44	0.08	140%			
Aroclor-1268 Peak # 5	B	452409808001	4.109	0.08	0.05	52%			

Surrogate	Ch	Cal	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	452369928002	34.00	1.000	0.6799	68	52-186	u
Decachlorobiphenyl (PCB)	B	452369928002	31.66	1.000	0.6332	63	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_101122004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8695058	9277225	6.70
1-bromo-2-nitrobenzene (PCB)	A	1944427	1701225	-12.51

ISTD (ICAL gc06_101122008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	9629214	8944470	-7.11
1-bromo-2-nitrobenzene (1268)	A	1872600	1695755	-9.44

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_101122004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_101122008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (1268)	A	4.11	4.11	0.00

TRN 10/17/22 : RT/Peaks do not match AR1268

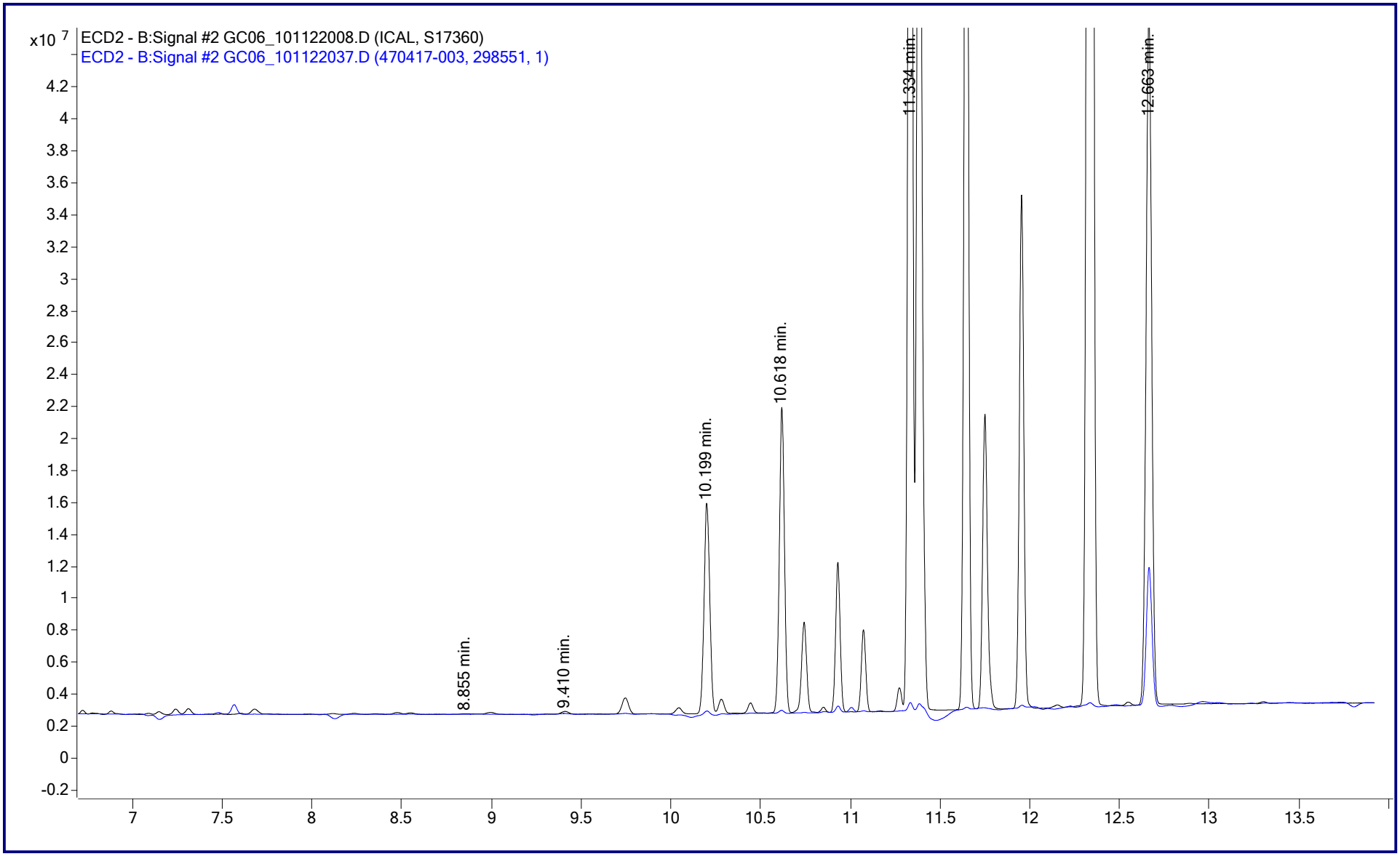
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Reviewed By: TJW 10/12/22 *, TRN 10/17/22 *, LW 10/17/22 *

Chromatogram Information Window

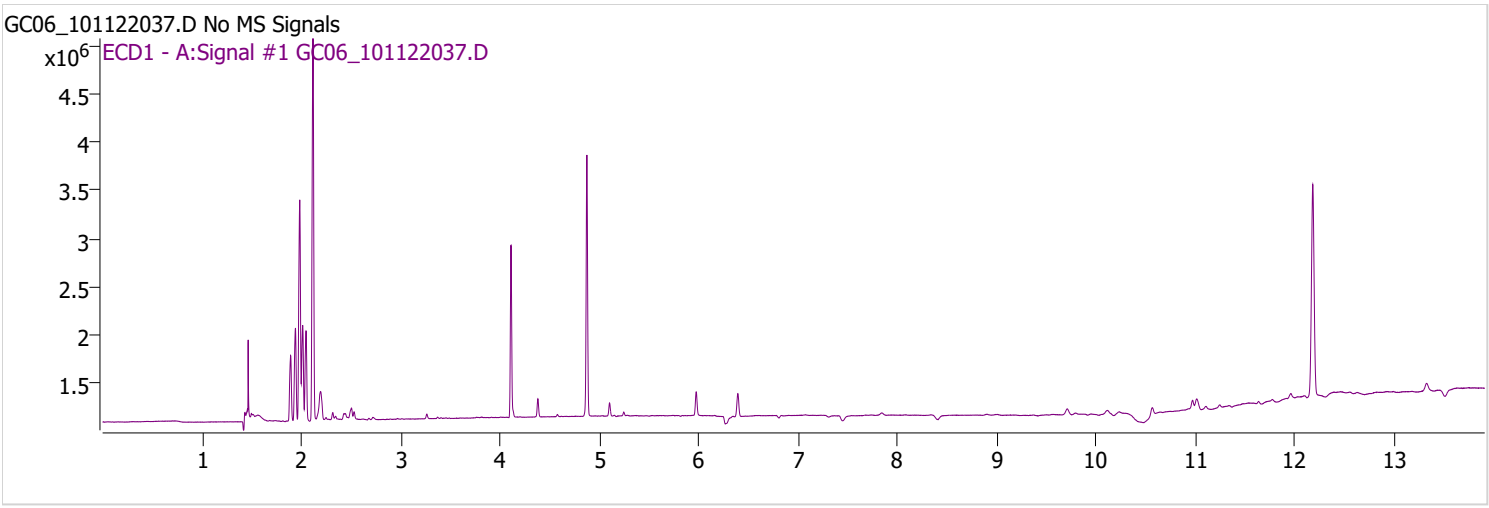
Agilent Technologies

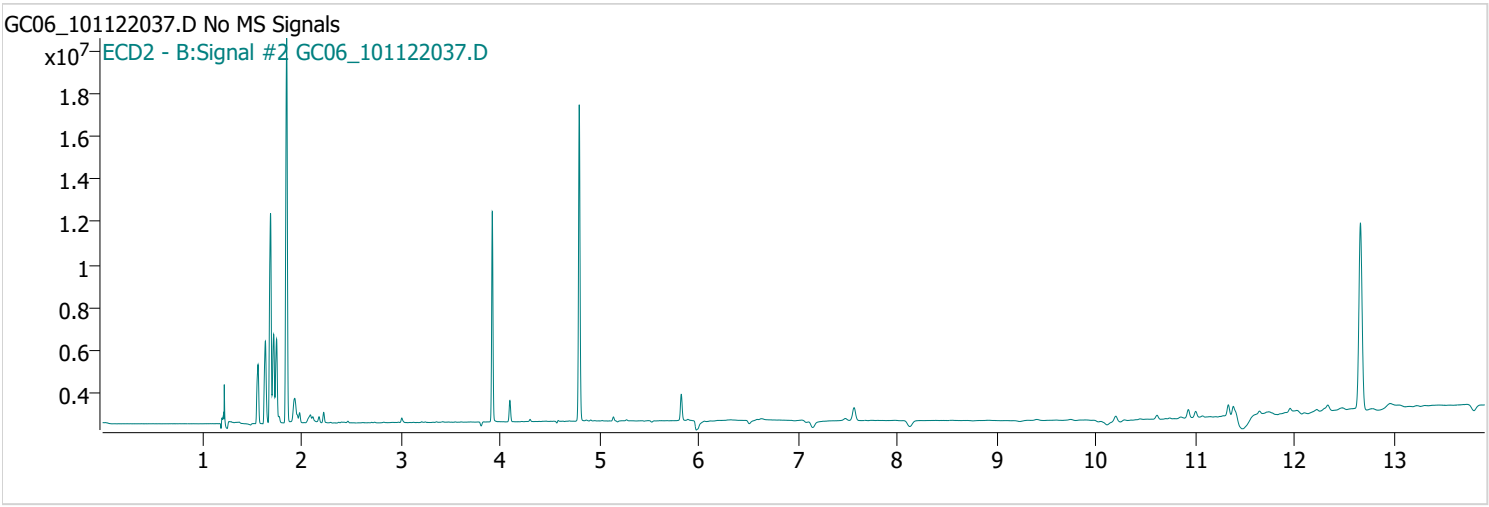
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Data File	GC06_101122004.D
Acq Operator	MTS
Acq. Date-Time	10/11/2022 2:08 PM
Instrument Name	SVOA-GC06



Quantitation Results Report (Not Reviewed)

Data File	GC06_101122037.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 12:47:05 AM
Sample Name	470417-003, 298551, 1	Instrument	SVOA-GC06
Vial	25	Multiplier	1.00
DA Method File	PCB_AR1268_101122_GC06_1.m	Comment	
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Batch Name	101112AR1268.batch.bin	Last Calib Update	10/17/2022 5:39:50 PM
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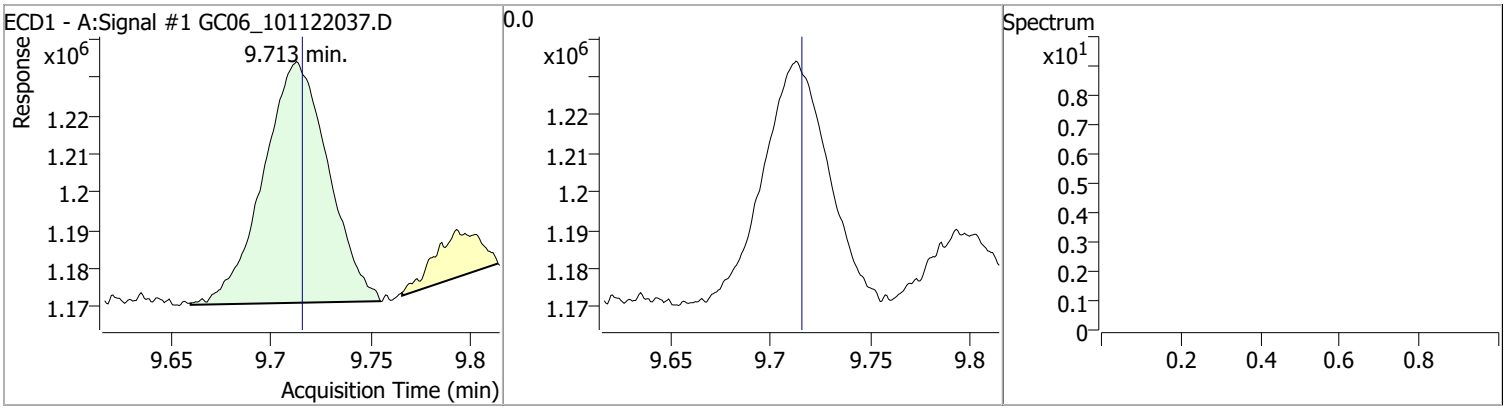


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268) #2	3.923	0.0	8944470.366	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (1268)	4.113	0.0	1695754.920	20.0000	ng/ml	-0.001
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	9.713	0.0	144037.349	57.4571	ng/ml	100
T AR1268 2	10.118	0.0	185646.032	55.4783	ng/ml	100
T AR1268 1 #2	10.203	0.0	916141.825	68.6921	ng/ml	100
T AR1268 2 #2	10.617	0.0	342556.341	19.8526	ng/ml	100
T Aroclor-1268	10.804	0.0	132164.323	8.9596	ng/ml	
T AR1268 3	10.975	0.0	186067.091	12.6955	ng/ml	100
T AR1268 4	11.251	0.0	45050.363	3.8638	ng/ml	100
T AR1268 3 #2	11.335	0.0	852123.344	11.3710	ng/ml	100
T AR1268 4 #2	11.649	0.0	1261111.470	21.8281	ng/ml	100
T Aroclor-1268 #2	11.228	0.0	831458.964	11.7290	ng/ml	

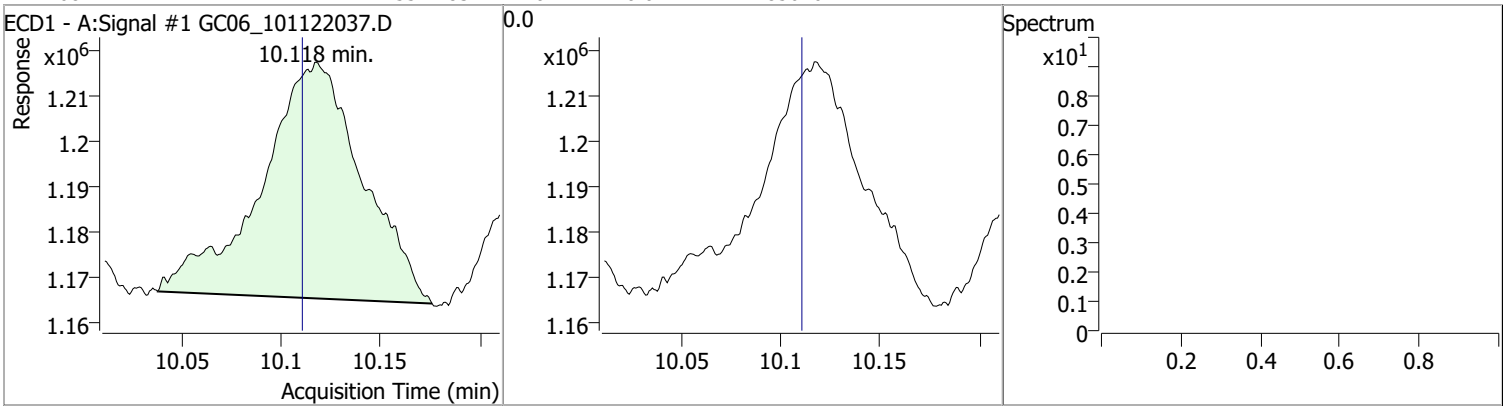
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 5	11.963	0.0	100020.779	2.4051	ng/ml	100
T AR1268 5 #2	12.335	0.0	785361.840	4.1088	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

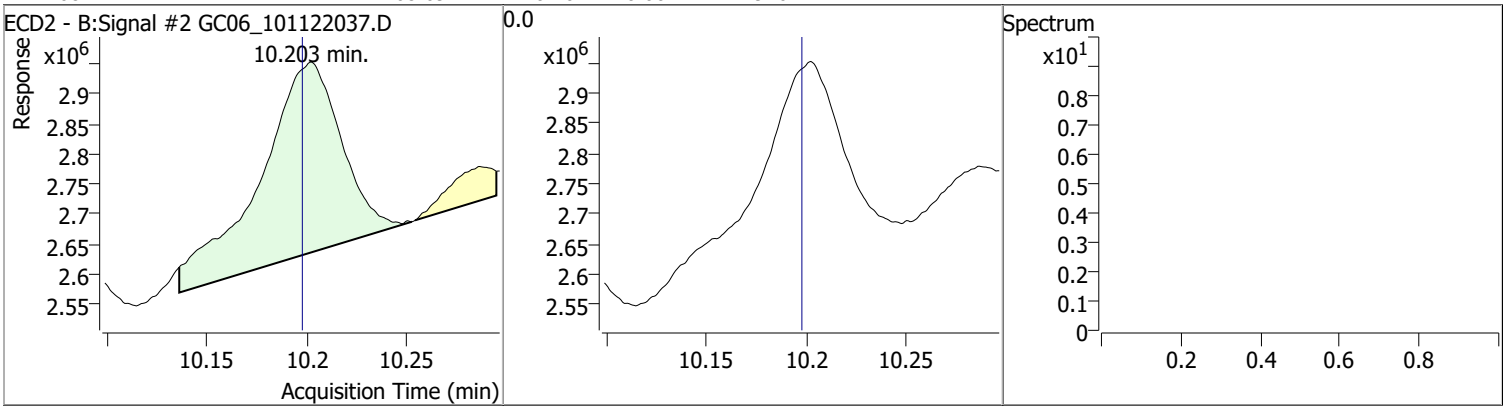
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	57.4571	9.71	0.00	144037				



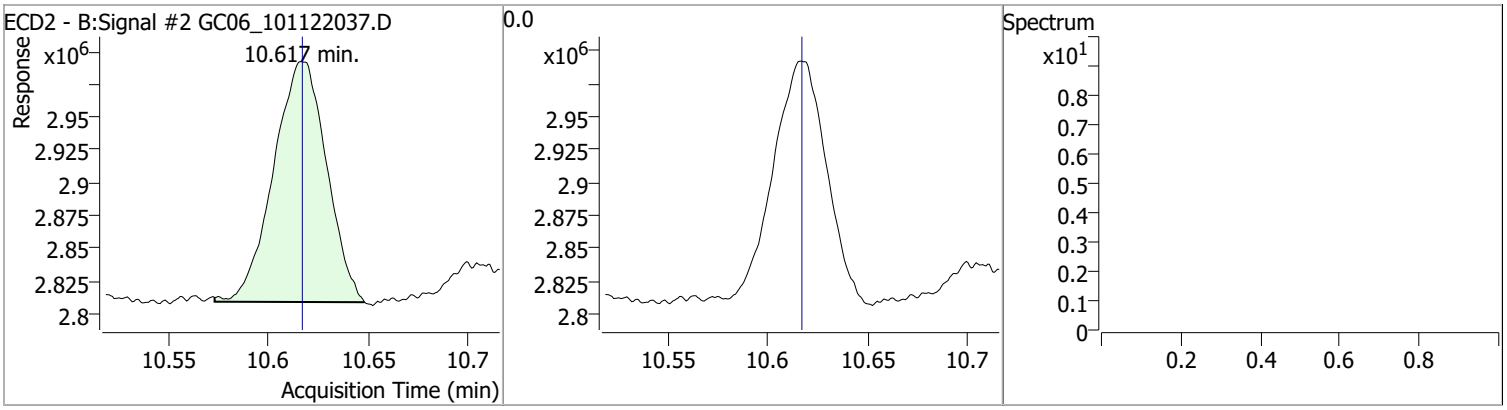
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	55.4783	10.12	0.01	185646				



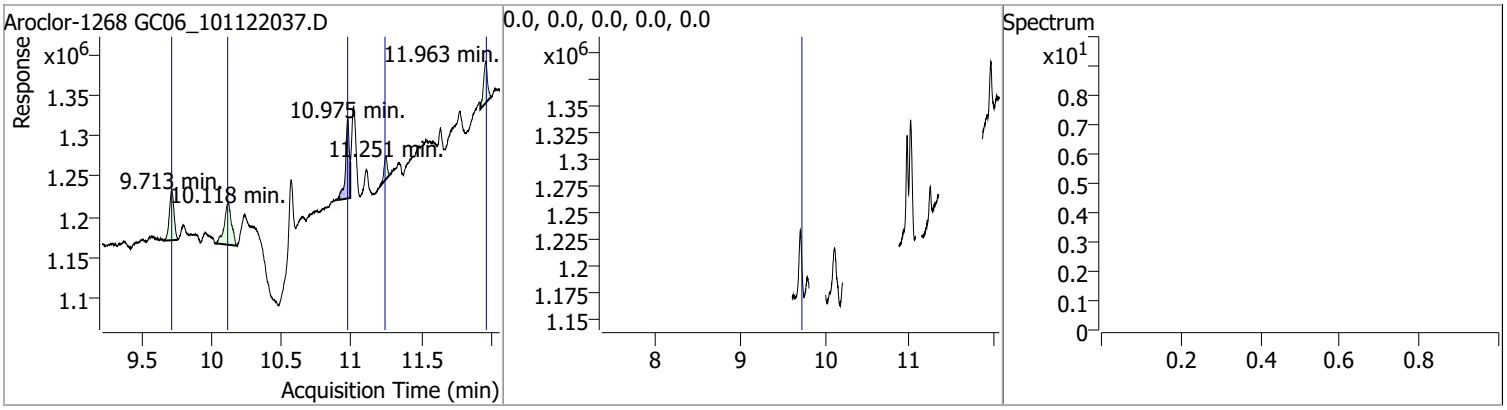
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	68.6921	10.20	0.00	916142				



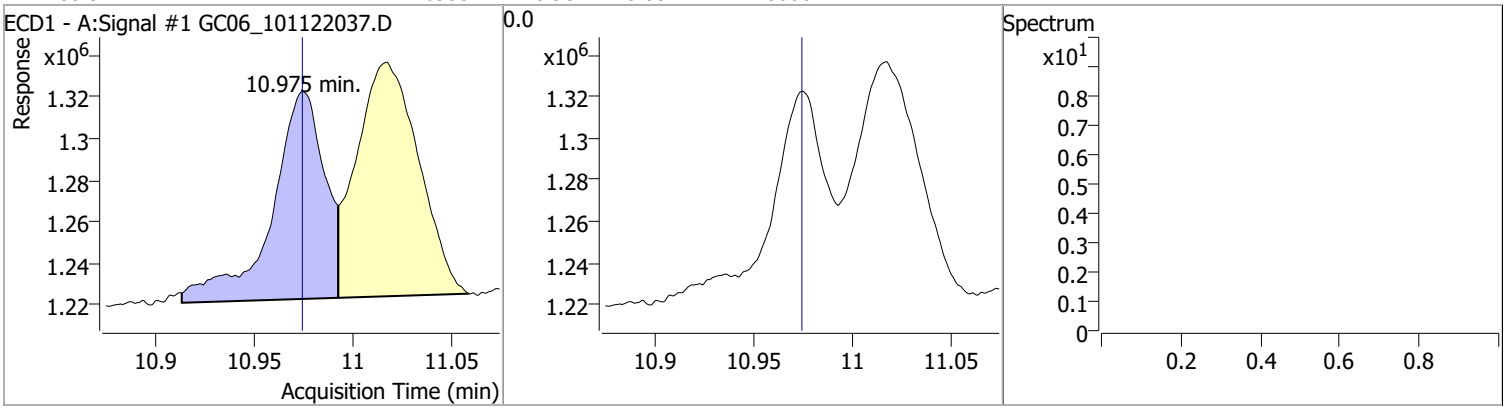
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	19.8526	10.62	0.00	342556				



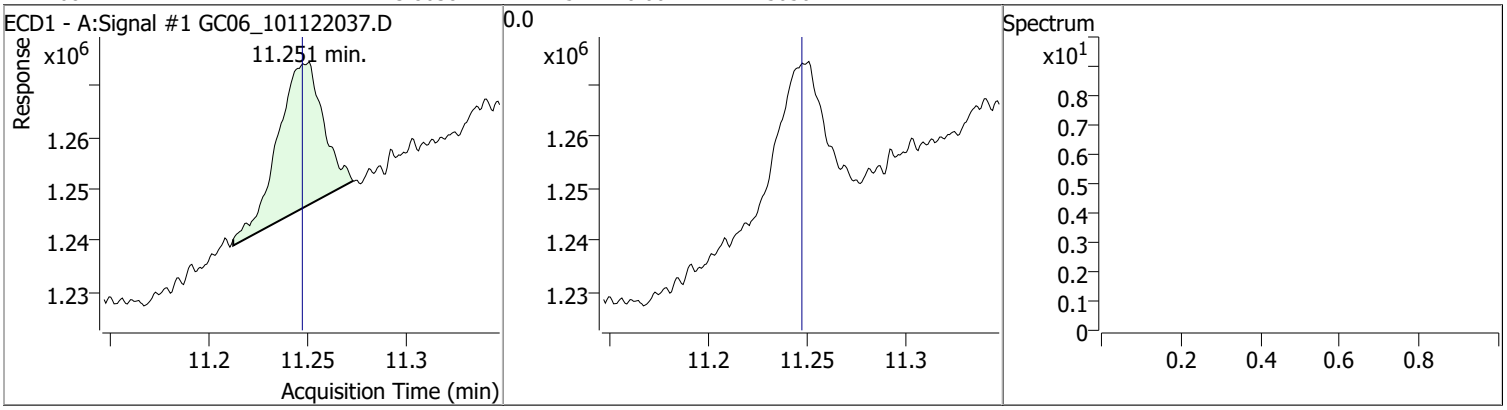
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Aroclor-1268	8.9596	10.80	0.16	132164				



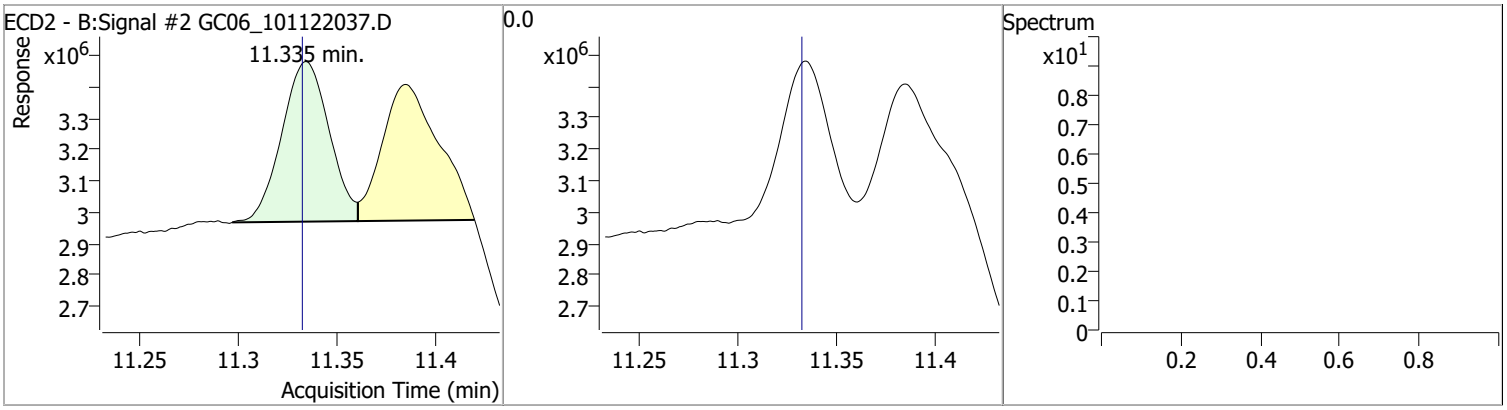
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	12.6955	10.98	0.00	186067				



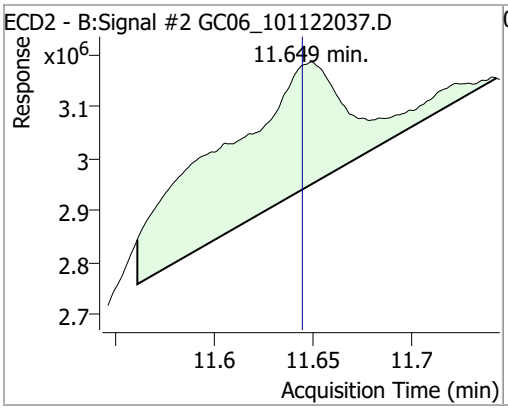
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	3.8638	11.25	0.00	45050				

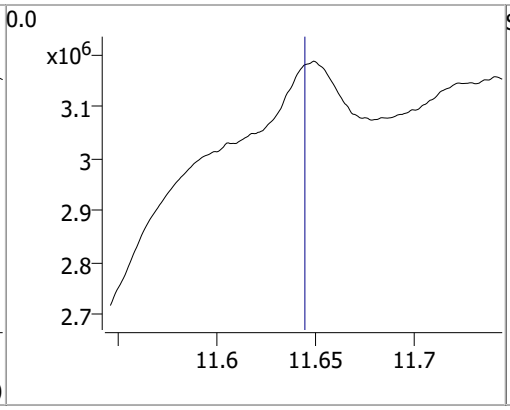


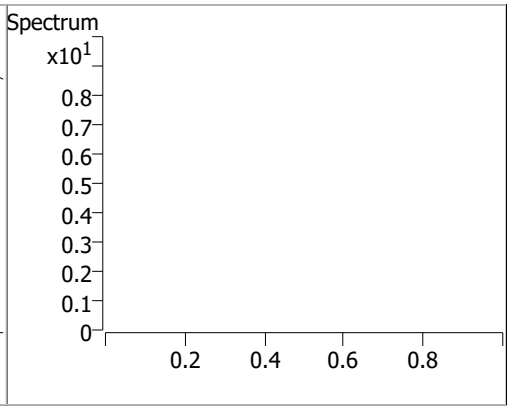
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	11.3710	11.34	0.00	852123				



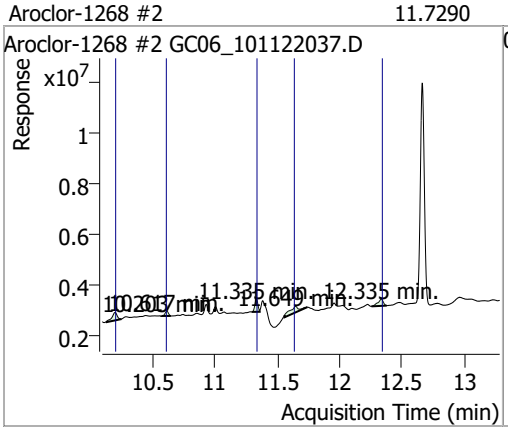
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	21.8281	11.65	0.00	1261111				

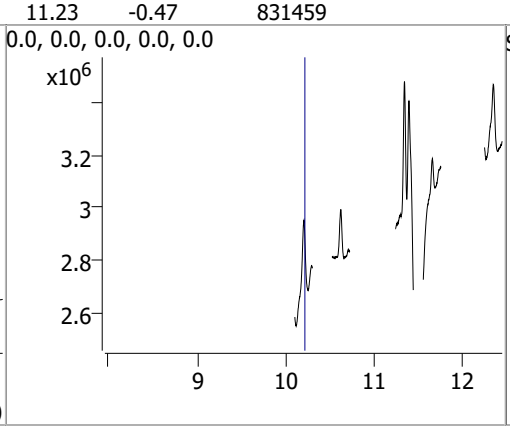


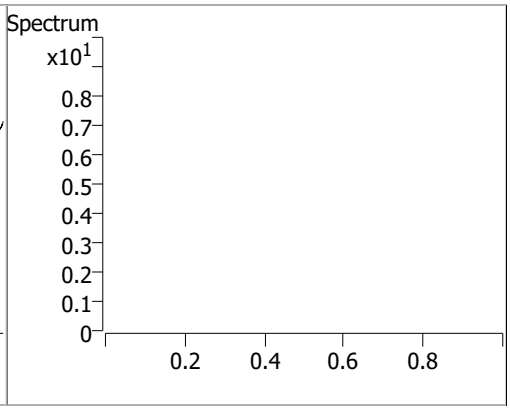




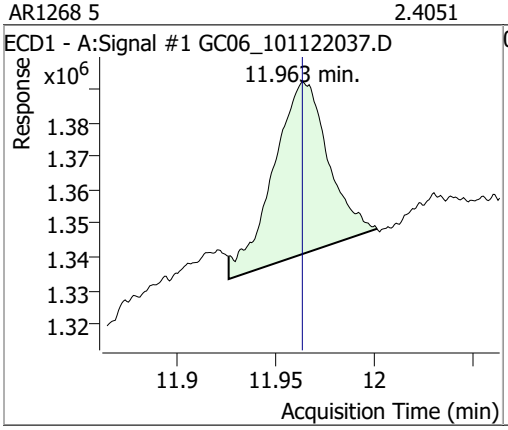
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	11.7290	11.23	-0.47	831459				

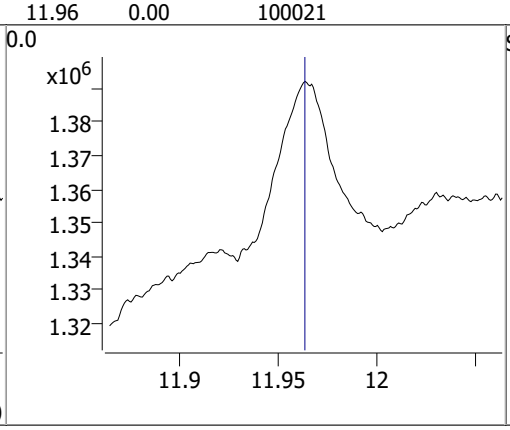


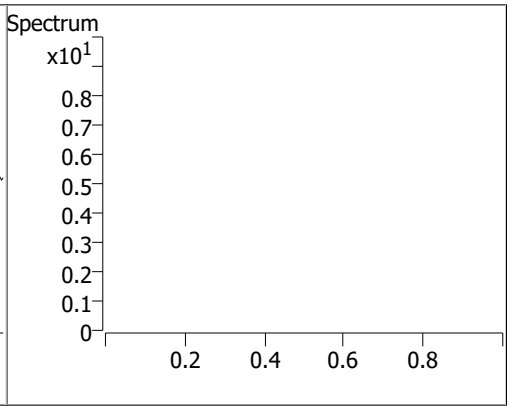




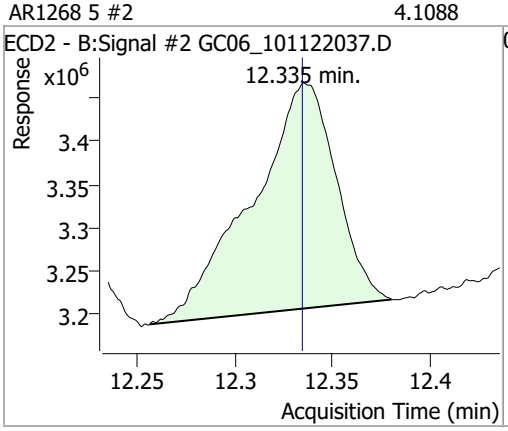
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	2.4051	11.96	0.00	100021				

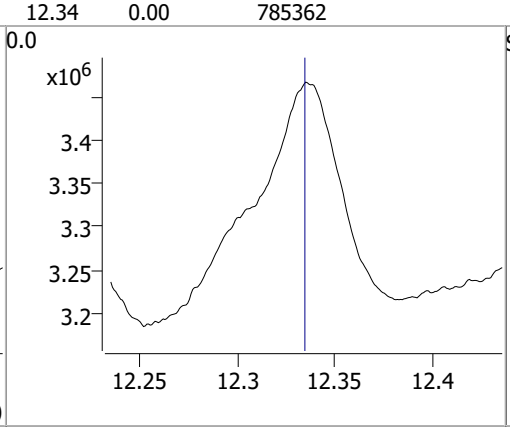


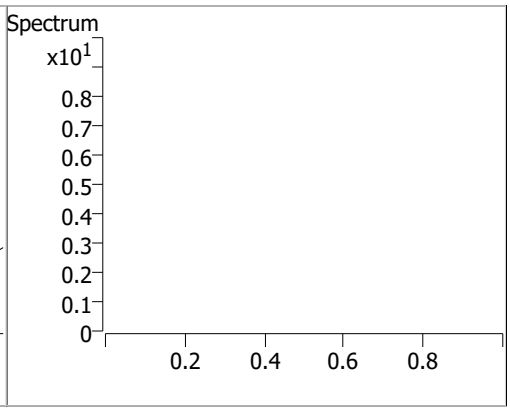




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	4.1088	12.34	0.00	785362				







ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	470417-005	Client ID:	ARCH-C2E-DG-2 TO 2.5-DG-221007-P-FB
Seqnum:	452409808038.3	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_101122038	Batch:	298551	Time:	12-OCT-2022 01:04
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	452369928002	11.45	ND	0.32	33%	0.50		u
Aroclor-1016 Peak # 1	B	452369928002	26.62	0.53	0.08	146%			
Aroclor-1016 Peak # 2	B	452369928002	8.625	0.17	0.05	111%			
Aroclor-1016 Peak # 3	B	452369928002	17.28	0.35	1.30	116%			
Aroclor-1016 Peak # 4	B	452369928002	3.837	0.08	ND				
Aroclor-1016 Peak # 5	B	452369928002	0.8901	0.02	0.17	162%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	452369928002	16.30	ND	0.31	4%	0.50		u
Aroclor-1260 Peak # 1	B	452369928002	4.714	0.09	0.51	138%			
Aroclor-1260 Peak # 2	B	452369928002	3.508	0.07	0.05	26%			
Aroclor-1260 Peak # 3	B	452369928002	17.87	0.36	0.02	180%			
Aroclor-1260 Peak # 4	B	452369928002	7.149	0.14	0.56	119%			
Aroclor-1260 Peak # 5	B	452369928002	48.25	0.97	0.43	78%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B	452409808001	16.56	ND	0.34	2%	0.50		?v u
Aroclor-1268 Peak # 1	B	452409808001	39.07	0.78	0.64	20%			
Aroclor-1268 Peak # 2	B	452409808001	11.29	0.23	0.80	112%			
Aroclor-1268 Peak # 3	B	452409808001	6.593	0.13	0.14	5%			
Aroclor-1268 Peak # 4	B	452409808001	22.66	0.45	0.07	145%			
Aroclor-1268 Peak # 5	B	452409808001	3.187	0.06	0.04	51%			

Surrogate	Ch	Cal	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	452369928002	33.78	1.000	0.6756	68	52-186	u
Decachlorobiphenyl (PCB)	B	452369928002	30.26	1.000	0.6052	61	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_101122004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8695058	9359164	7.64
1-bromo-2-nitrobenzene (PCB)	A	1944427	1724279	-11.32

ISTD (ICAL gc06_101122008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	9629214	9057208	-5.94
1-bromo-2-nitrobenzene (1268)	A	1872600	1711842	-8.58

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_101122004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_101122008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (1268)	A	4.11	4.11	0.00

TRN 10/17/22 : RT/Peaks do not match AR1268

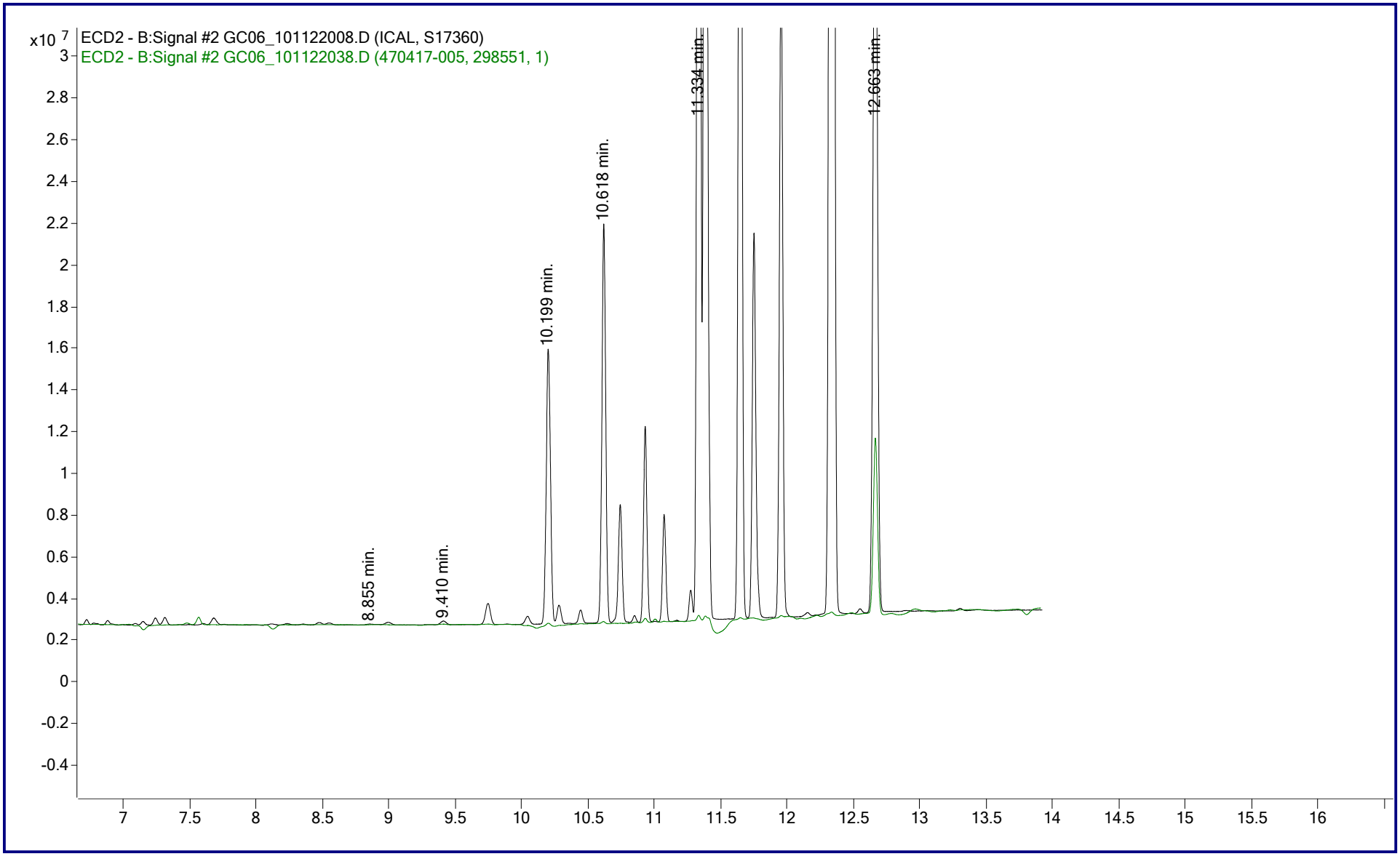
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Reviewed By: TJW 10/12/22 *, TRN 10/17/22 *, LW 10/17/22 *

Chromatogram Information Window

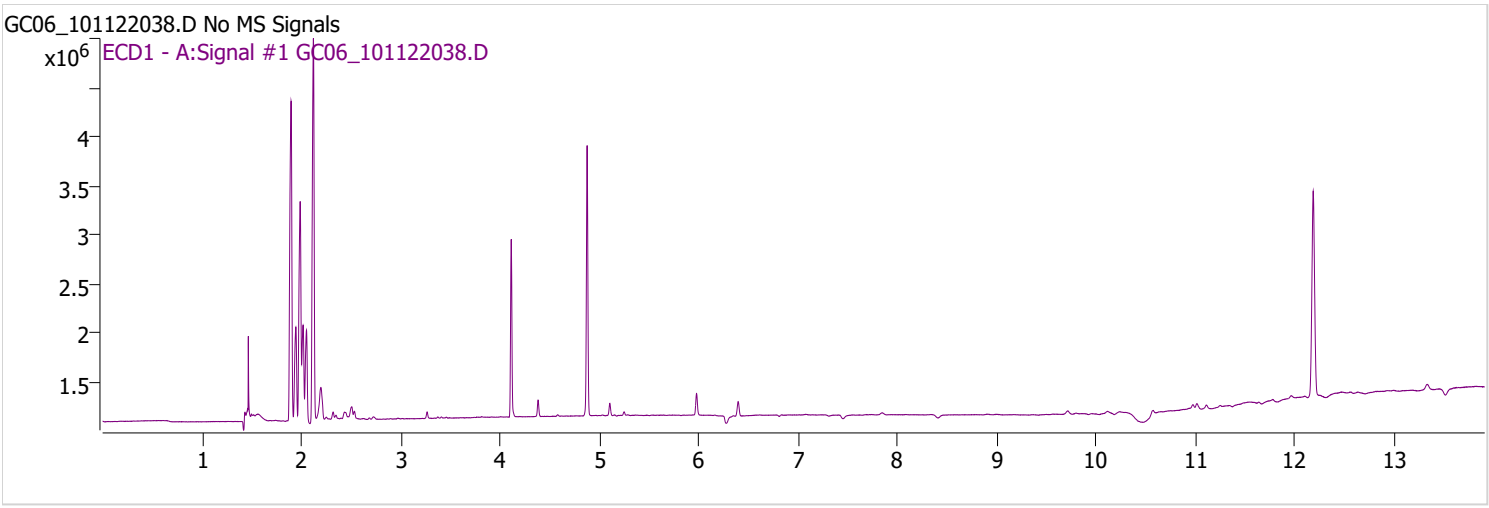
Agilent Technologies

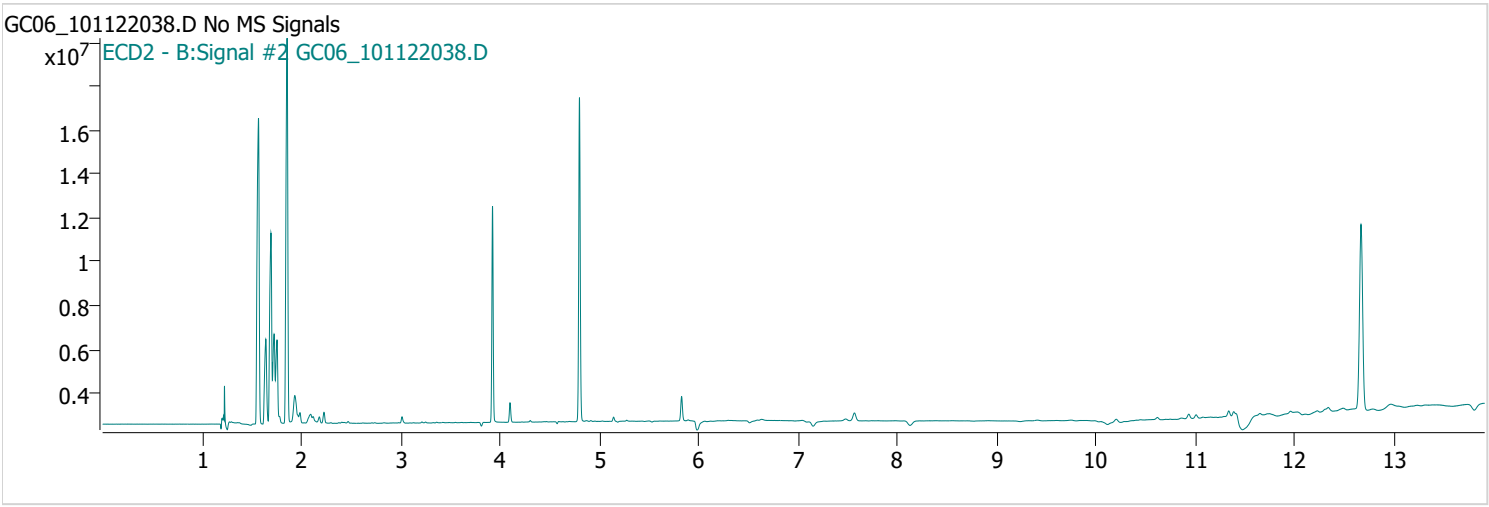
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Data File	GC06_101122004.D
Acq Operator	MTS
Acq. Date-Time	10/11/2022 2:08 PM
Instrument Name	SVOA-GC06



Quantitation Results Report (Not Reviewed)

Data File	GC06_101122038.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 1:04:32 AM
Sample Name	470417-005, 298551, 1	Instrument	SVOA-GC06
Vial	26	Multiplier	1.00
DA Method File	PCB_AR1268_101122_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101112AR1268.batch.bin	Last Calib Update	10/17/2022 5:39:50 PM
Ref Library			



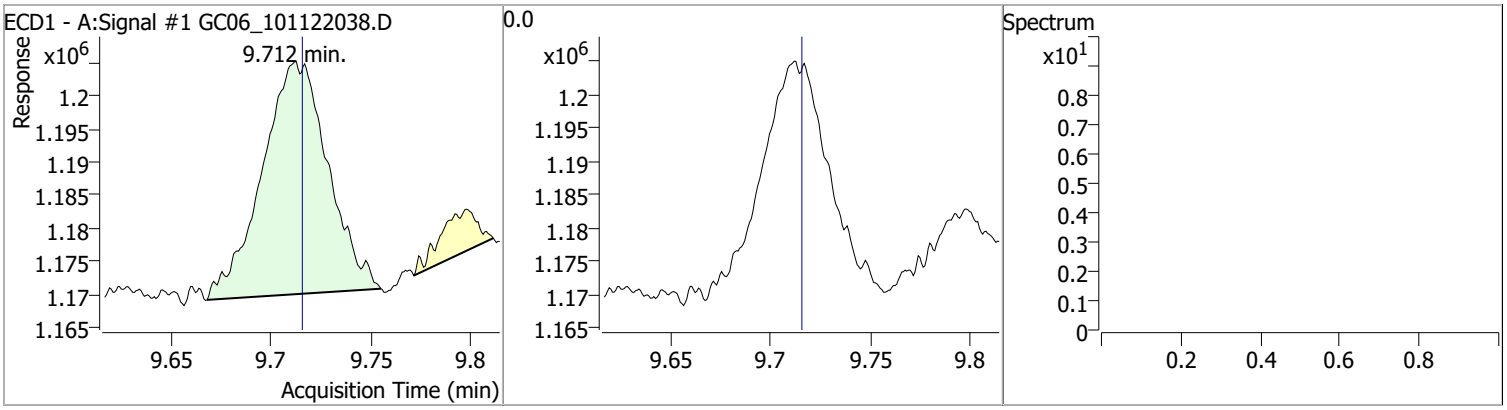


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268) #2	3.924	0.0	9057208.434	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (1268)	4.113	0.0	1711841.570	20.0000	ng/ml	-0.001
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	9.712	0.0	80975.967	31.9981	ng/ml	100
T AR1268 2	10.113	0.0	134401.546	39.7870	ng/ml	100
T AR1268 1 #2	10.202	0.0	527611.410	39.0678	ng/ml	100
T AR1268 2 #2	10.616	0.0	197308.167	11.2925	ng/ml	100
T Aroclor-1268	10.802	0.0	87998.873	5.9095	ng/ml	
T AR1268 3	10.973	0.0	102740.391	6.9442	ng/ml	100
T AR1268 4	11.248	0.0	42128.025	3.5792	ng/ml	100
T AR1268 3 #2	11.333	0.0	500327.499	6.5934	ng/ml	100
T AR1268 4 #2	11.649	0.0	1325481.786	22.6567	ng/ml	100
T Aroclor-1268 #2	11.227	0.0	633533.105	8.8257	ng/ml	

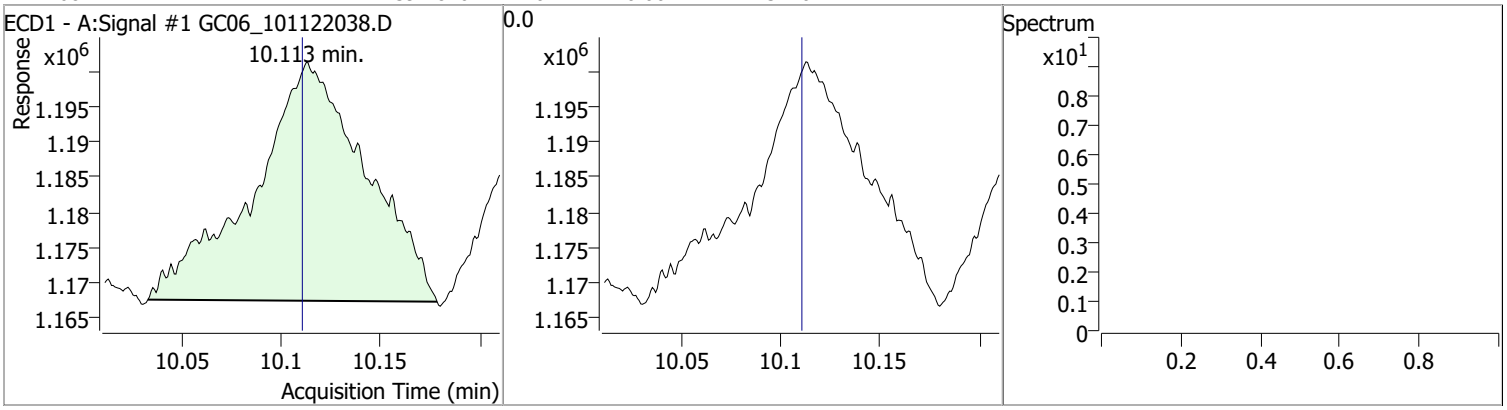
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 5	11.964	0.0	79748.435	1.8996	ng/ml	100
T AR1268 5 #2	12.334	0.0	616936.660	3.1875	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

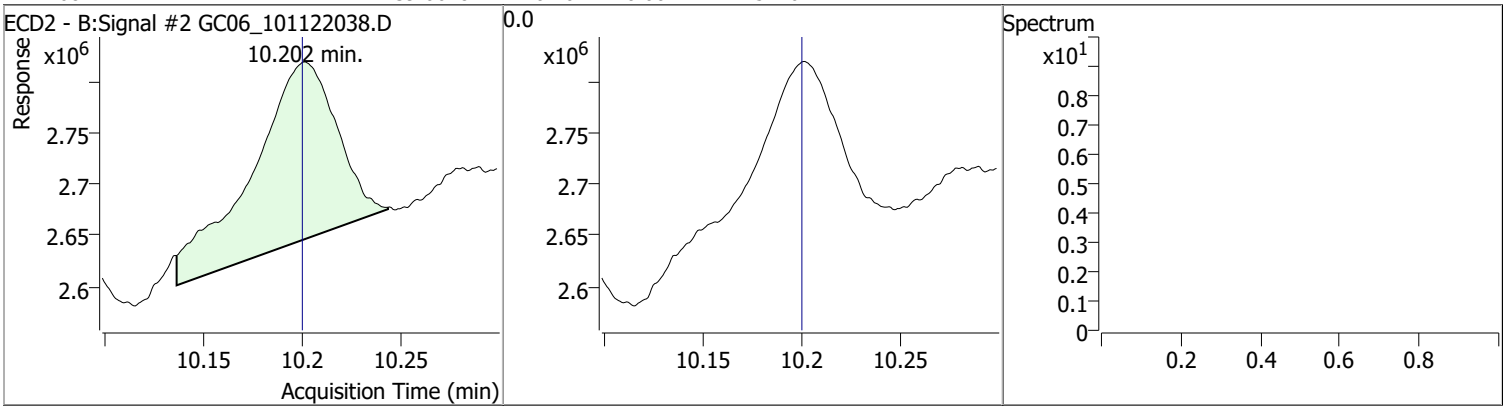
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	31.9981	9.71	0.00	80976				



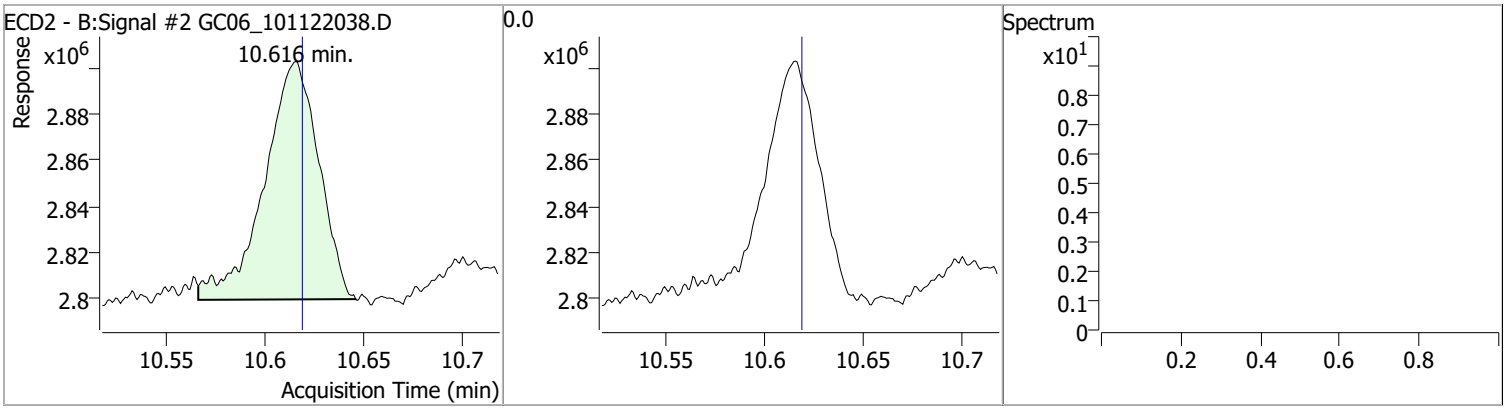
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	39.7870	10.11	0.00	134402				



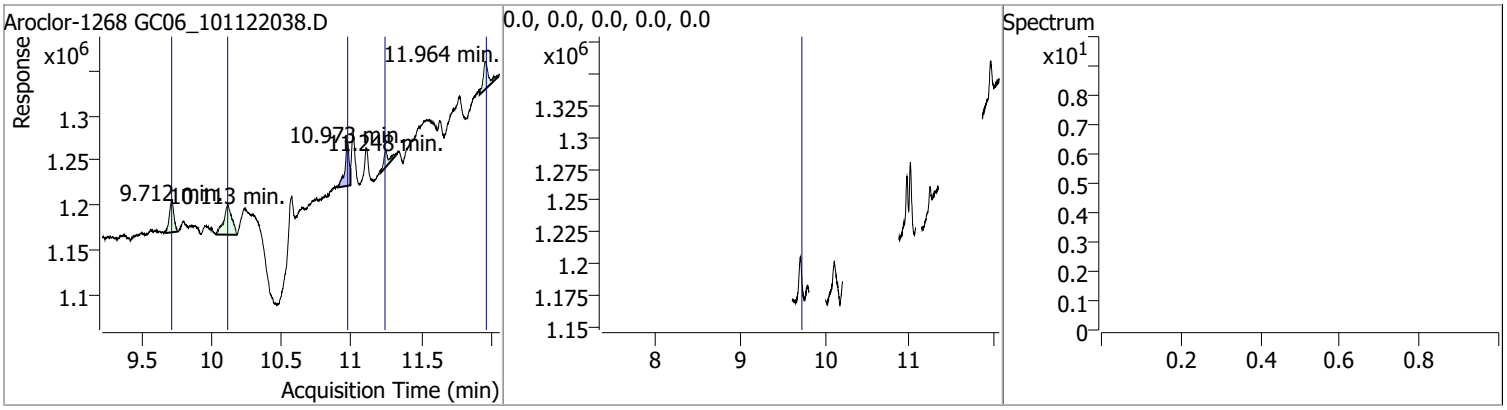
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	39.0678	10.20	0.00	527611				



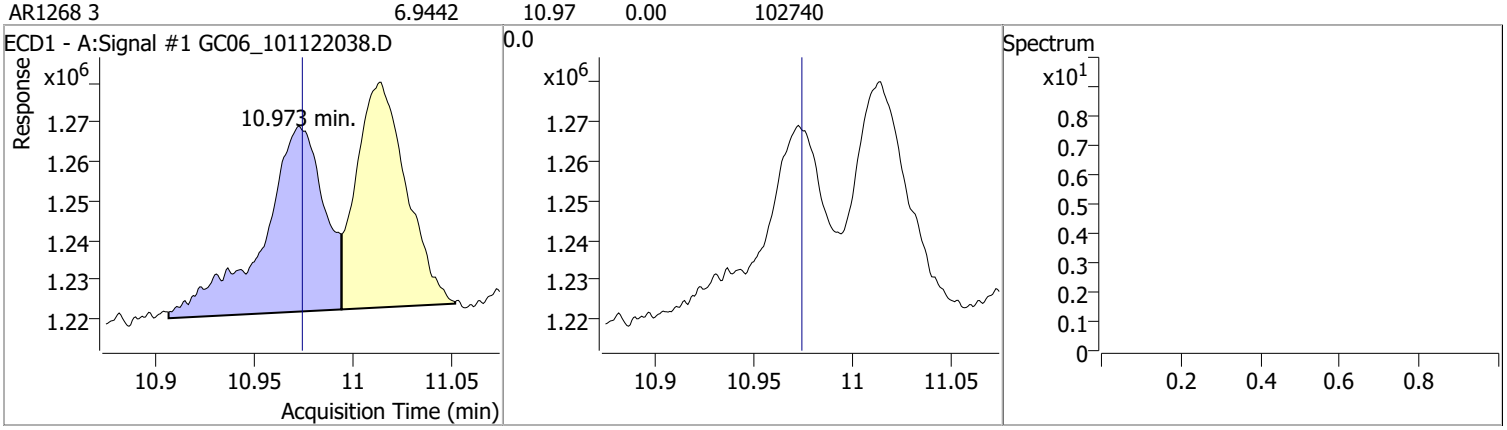
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	11.2925	10.62	0.00	197308				



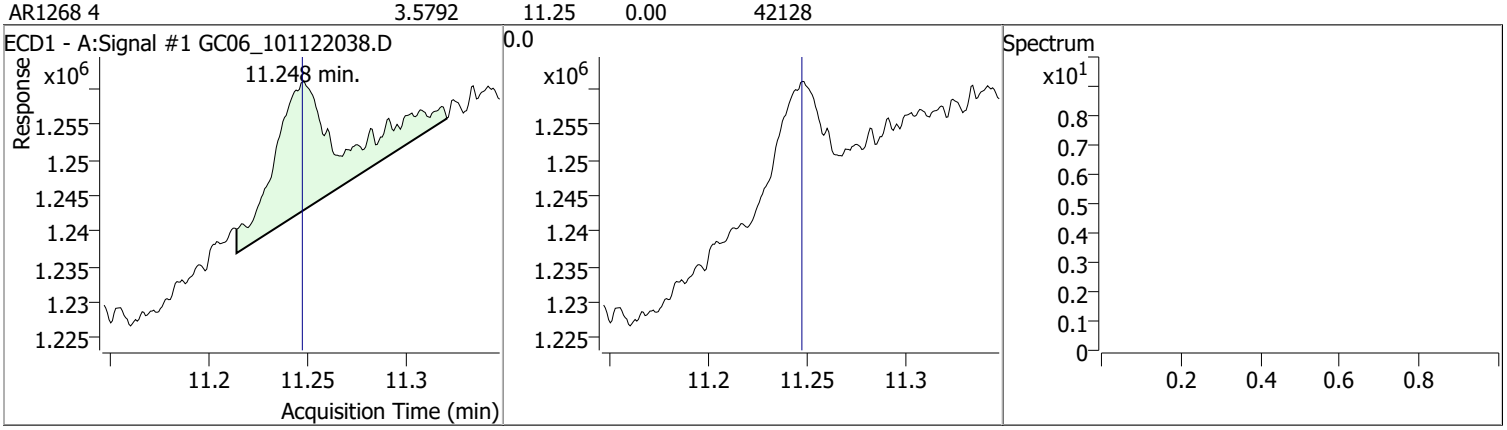
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	5.9095	10.80	0.16	87999				



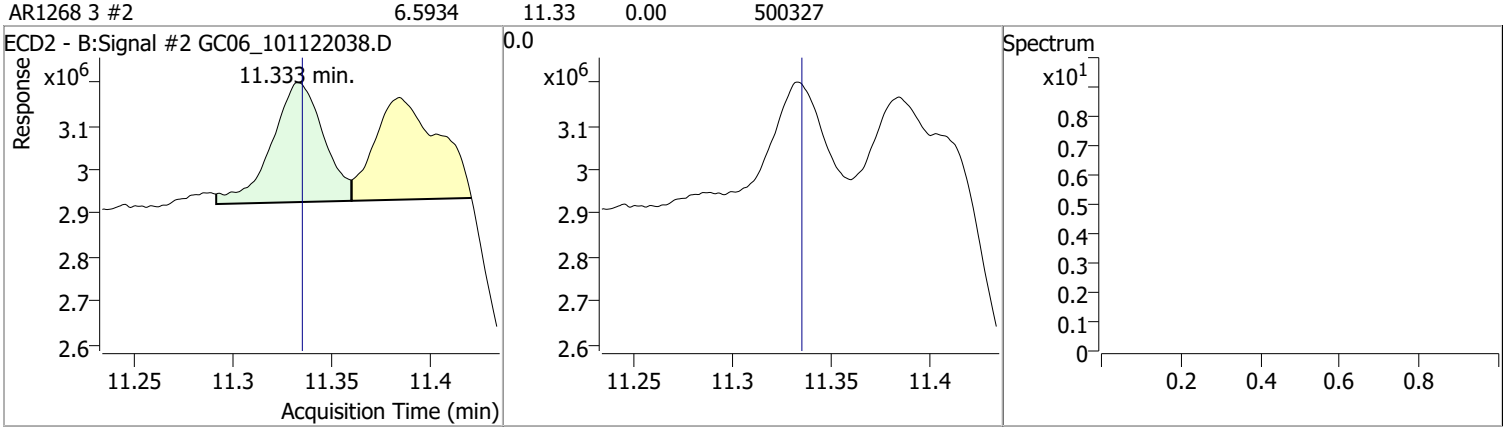
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	6.9442	10.97	0.00	102740				



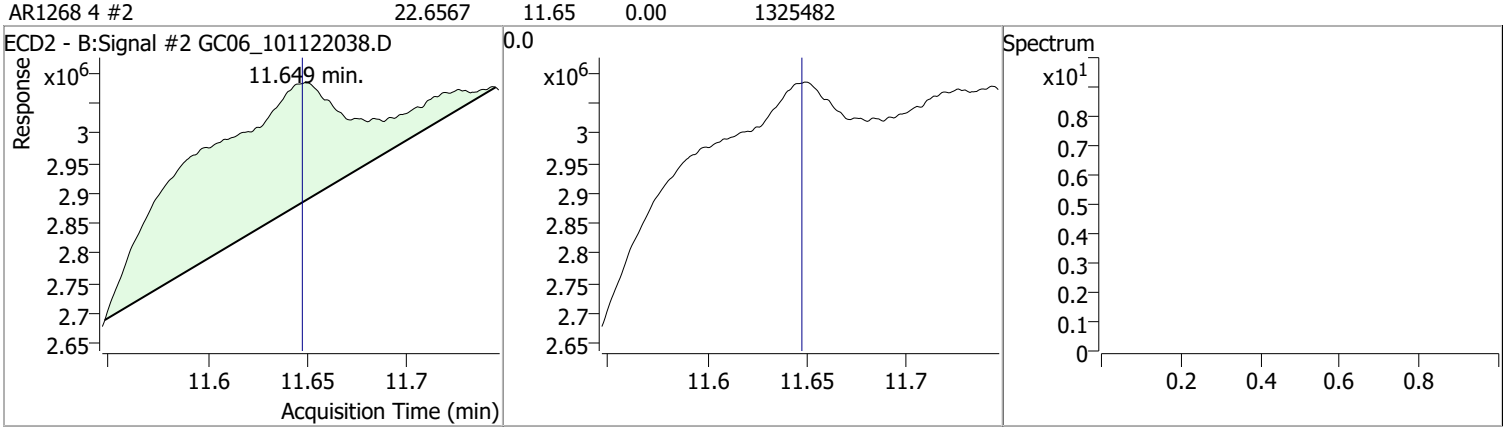
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	3.5792	11.25	0.00	42128				



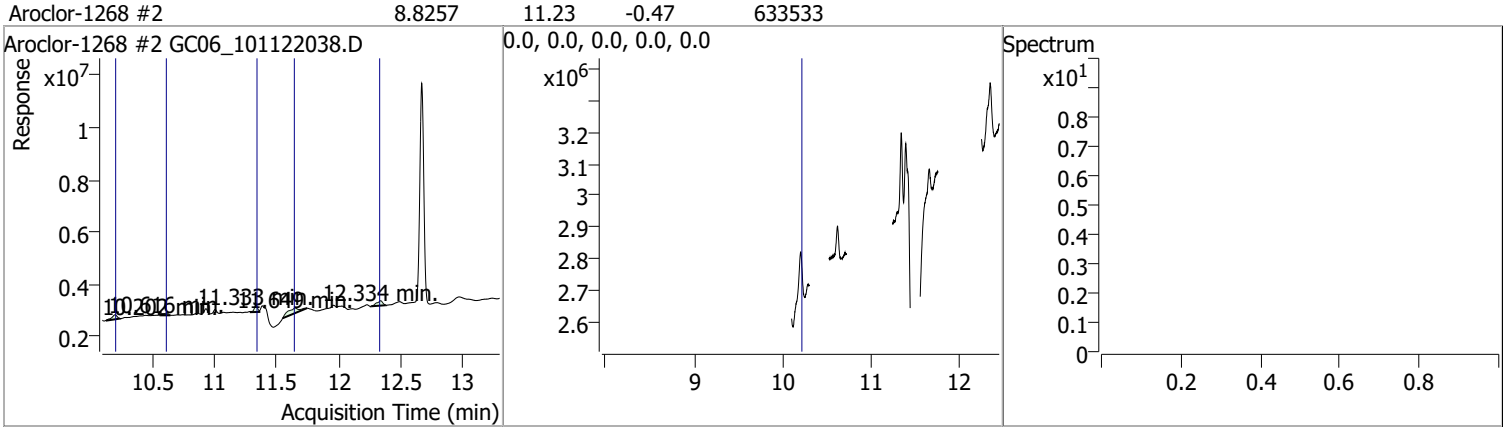
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	6.5934	11.33	0.00	500327				



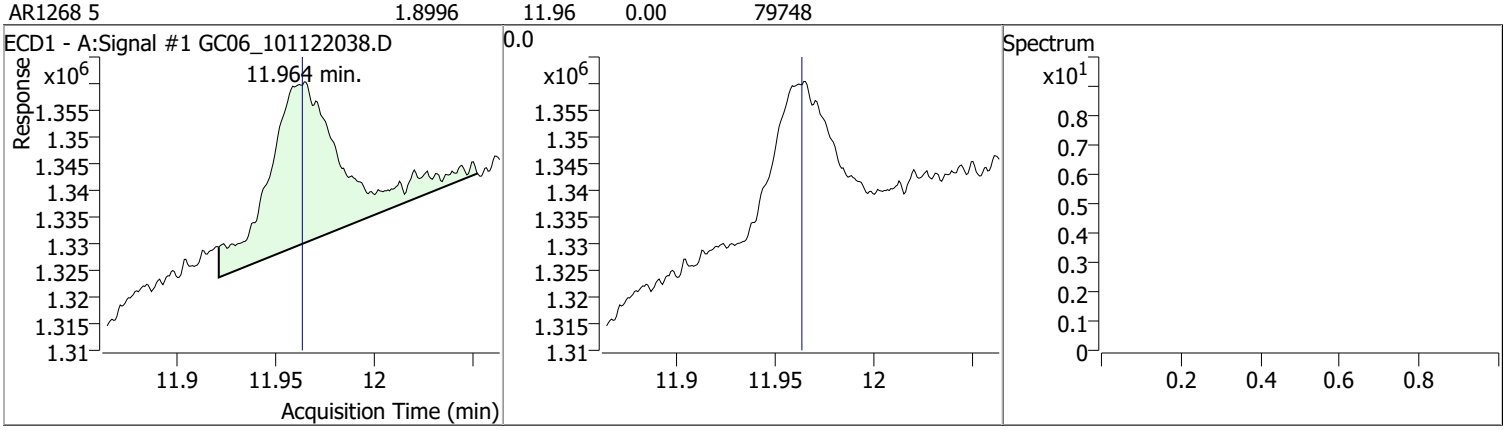
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	22.6567	11.65	0.00	1325482				



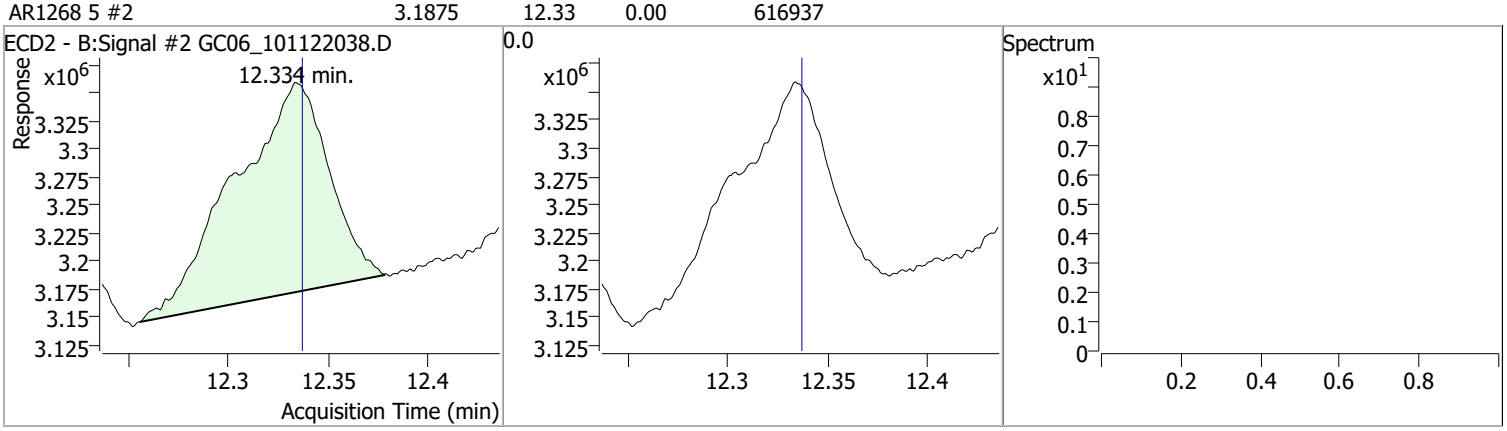
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	8.8257	11.23	-0.47	633533				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	1.8996	11.96	0.00	79748				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	3.1875	12.33	0.00	616937				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	470417-008	Client ID:	ARCH-C2E-DG-1 TO 1.5-UP-C2.6-HS-221007-P-LA
Seqnum:	452409808039.3	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_101122039	Batch:	298551	Time:	12-OCT-2022 01:22
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	452369928002	11.17	ND	0.46	70%	0.50		u
Aroclor-1016 Peak # 1	B	452369928002	27.88	0.56	0.58	4%			
Aroclor-1016 Peak # 2	B	452369928002	15.74	0.31	0.01	182%			
Aroclor-1016 Peak # 3	B	452369928002	8.326	0.17	1.60	162%			
Aroclor-1016 Peak # 4	B	452369928002	3.248	0.06	0.01	147%			
Aroclor-1016 Peak # 5	B	452369928002	0.6738	0.01	0.12	159%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	452369928002	17.01	ND	0.35	2%	0.50		u
Aroclor-1260 Peak # 1	B	452369928002	4.367	0.09	0.68	155%			
Aroclor-1260 Peak # 2	B	452369928002	4.057	0.08	0.04	73%			
Aroclor-1260 Peak # 3	B	452369928002	21.31	0.43	0.08	137%			
Aroclor-1260 Peak # 4	B	452369928002	6.515	0.13	0.60	129%			
Aroclor-1260 Peak # 5	B	452369928002	48.79	0.98	0.33	98%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B	452409808001	16.08	ND	0.31	4%	0.50		?v u
Aroclor-1268 Peak # 1	B	452409808001	43.47	0.87	0.48	58%			
Aroclor-1268 Peak # 2	B	452409808001	5.137	0.10	0.85	157%			
Aroclor-1268 Peak # 3	B	452409808001	5.094	0.10	0.13	21%			
Aroclor-1268 Peak # 4	B	452409808001	23.73	0.47	0.06	154%			
Aroclor-1268 Peak # 5	B	452409808001	2.976	0.06	0.03	56%			

Surrogate	Ch	Cal	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	452369928002	32.59	1.000	0.6518	65	52-186	u
Decachlorobiphenyl (PCB)	B	452369928002	30.28	1.000	0.6056	61	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_101122004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8695058	9500593	9.26
1-bromo-2-nitrobenzene (PCB)	A	1944427	1757937	-9.59

ISTD (ICAL gc06_101122008)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	9629214	9146329	-5.01
1-bromo-2-nitrobenzene (1268)	A	1872600	1753555	-6.36

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_101122004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_101122008)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (1268)	A	4.11	4.11	0.00

TRN 10/17/22 [Aroclor-1268 Peak # 4 A]: Picked or reassigned peak for Ch. A.

TRN 10/17/22 [Aroclor-1016 Peak # 3 B]: Picked or reassigned peak for Ch. B.

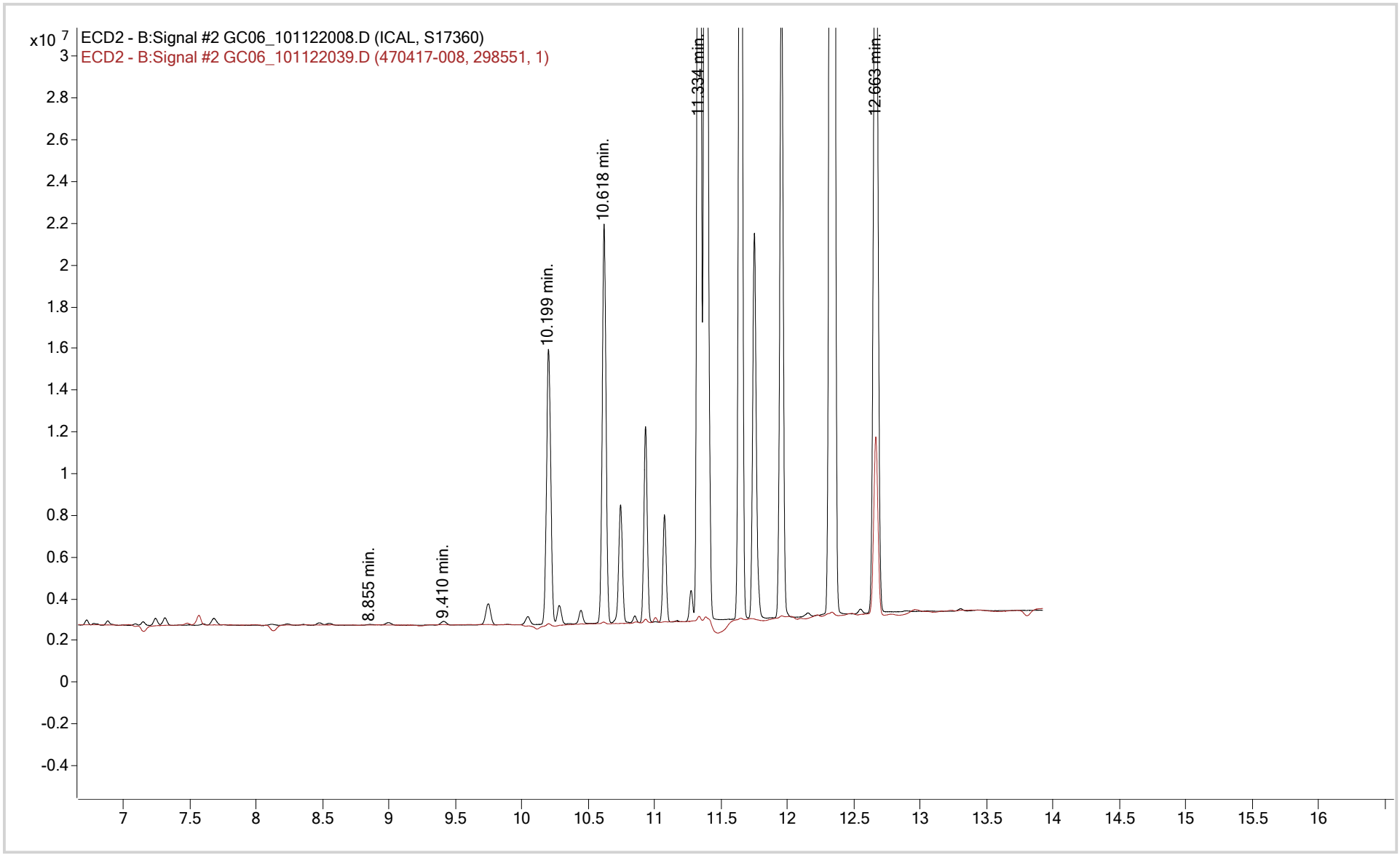
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Reviewed By: TJW 10/12/22 *, TRN 10/17/22 *, LW 10/17/22 *

Chromatogram Information Window

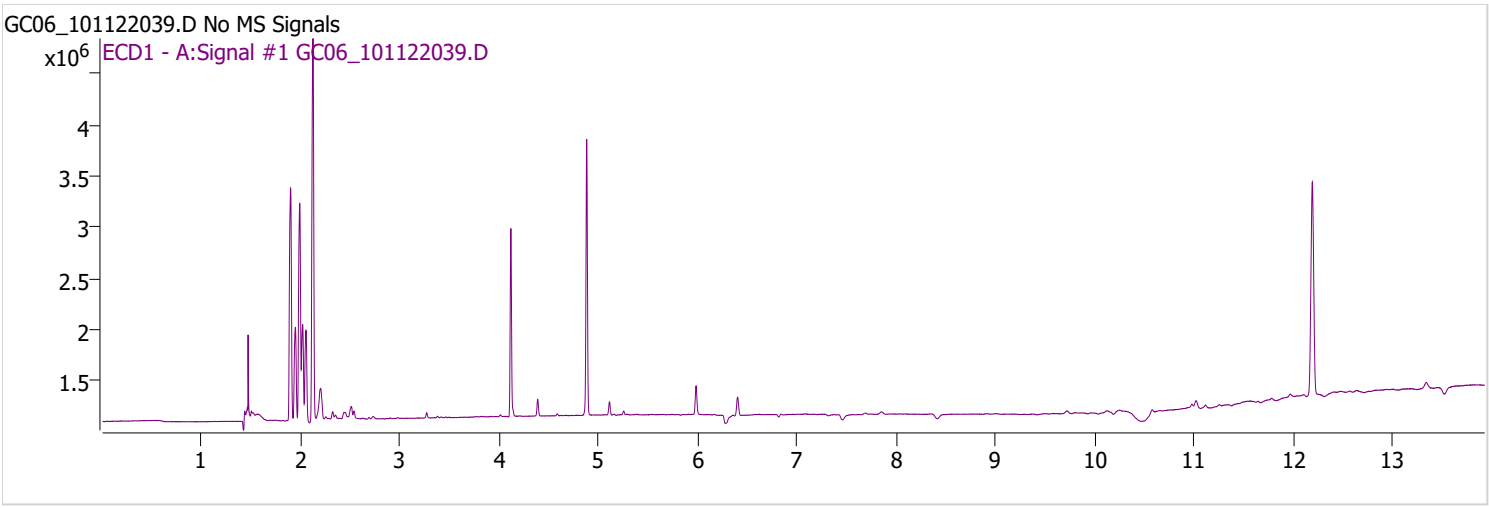
Agilent Technologies

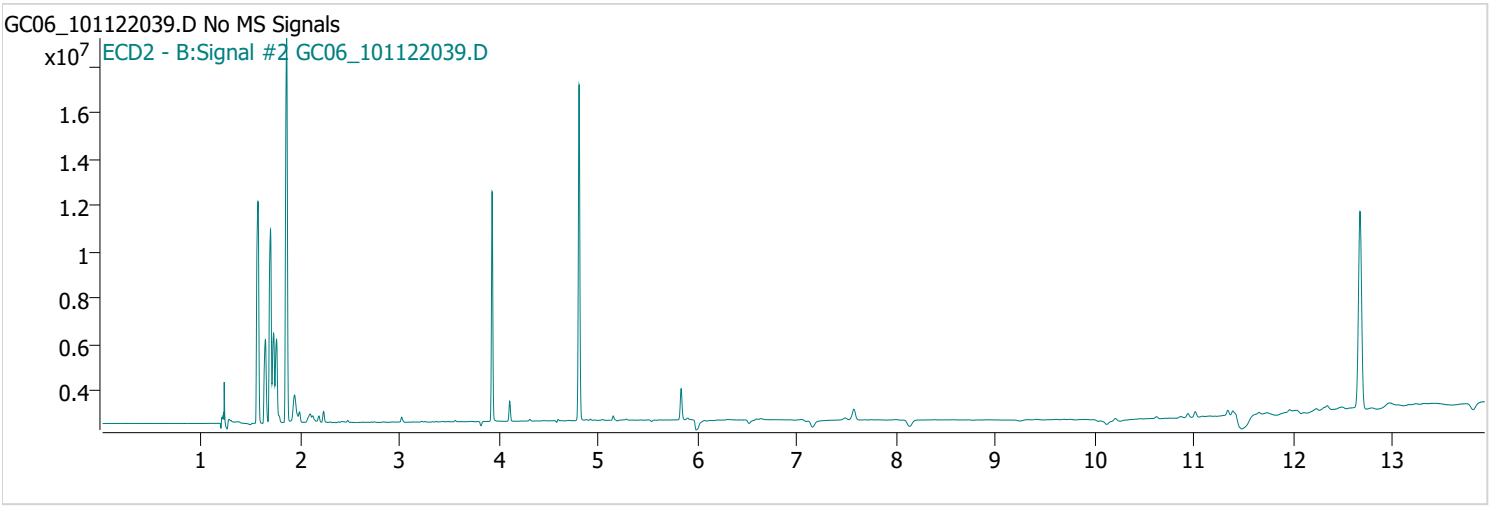
Data Path	C:\MassHunter\GCMS\1\data\GC06_101122
Data File	GC06_101122004.D
Acq Operator	MTS
Acq. Date-Time	10/11/2022 2:08 PM
Instrument Name	SVOA-GC06



Quantitation Results Report (Not Reviewed)

Data File	GC06_101122039.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 1:22:01 AM
Sample Name	470417-008, 298551, 1	Instrument	SVOA-GC06
Vial	27	Multiplier	1.00
DA Method File	PCB_AR1268_101122_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101112AR1268.batch.bin	Last Calib Update	10/17/2022 5:39:50 PM
Ref Library			



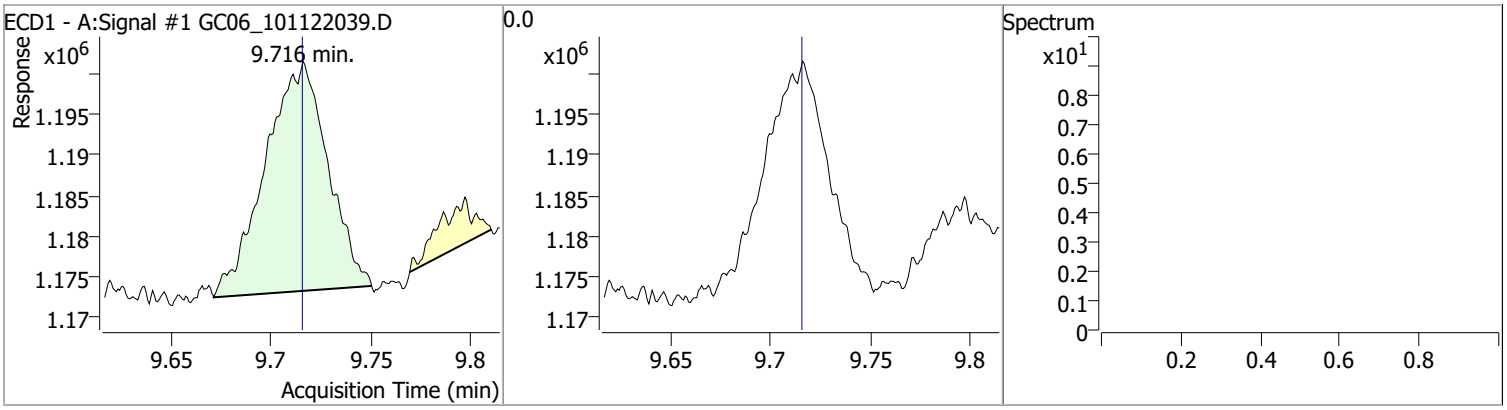


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (1268) #2	3.923	0.0	9146328.704	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (1268)	4.113	0.0	1753554.883	20.0000	ng/ml		-0.001
System Monitoring Compounds							
Target Compounds							QValue
T AR1268 1	9.716	0.0	61843.267	23.8564	ng/ml		100
T AR1268 2	10.114	0.0	146262.279	42.2682	ng/ml		100
T AR1268 1 #2	10.201	0.0	592885.785	43.4733	ng/ml		100
T AR1268 2 #2	10.615	0.0	90631.370	5.1366	ng/ml		100
T Aroclor-1268	10.802	0.0	82557.623	5.4122	ng/ml	m	
T AR1268 3	10.973	0.0	95103.414	6.2751	ng/ml		100
T AR1268 4	11.245	0.0	37591.956	3.1178	ng/ml	m	100
T AR1268 3 #2	11.333	0.0	390373.185	5.0943	ng/ml	m	100
T AR1268 4 #2	11.646	0.0	1401785.822	23.7275	ng/ml		100
T Aroclor-1268 #2	11.226	0.0	611472.488	8.4354	ng/ml	m	

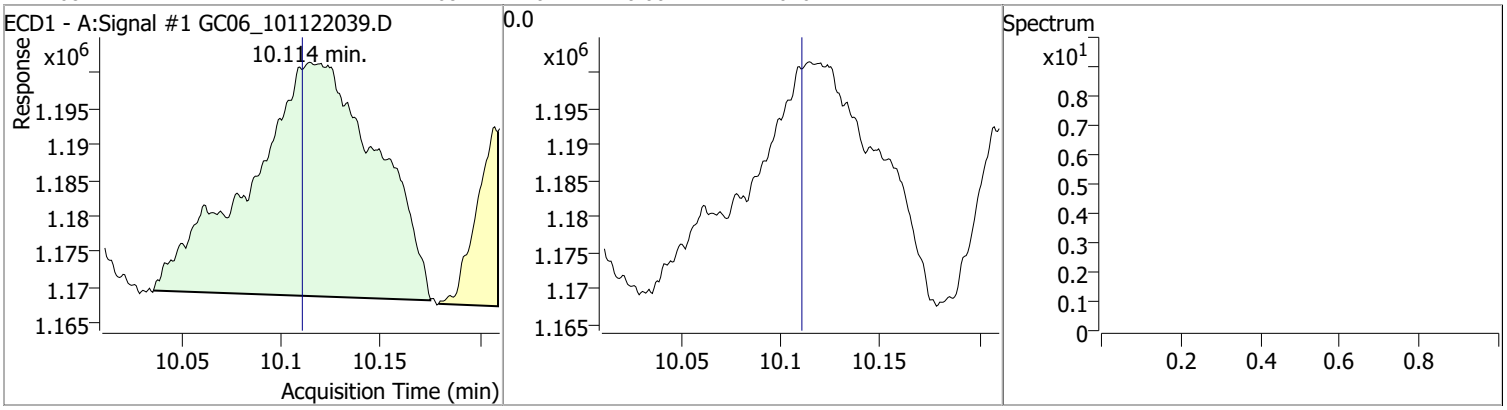
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 5	11.964	0.0	71987.201	1.6740	ng/ml	100
T AR1268 5 #2	12.334	0.0	581686.278	2.9761	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

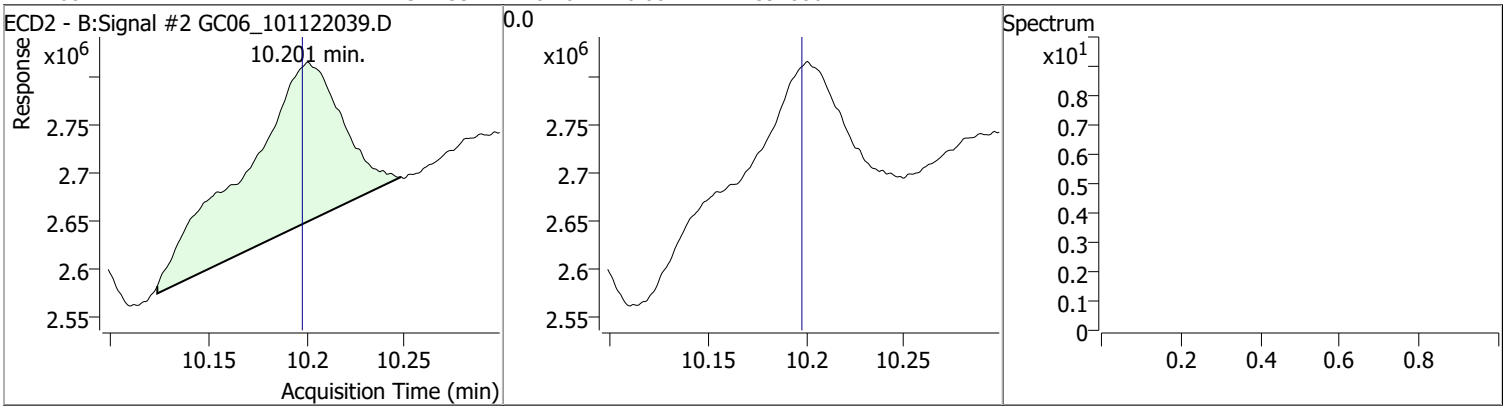
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	23.8564	9.72	0.00	61843				



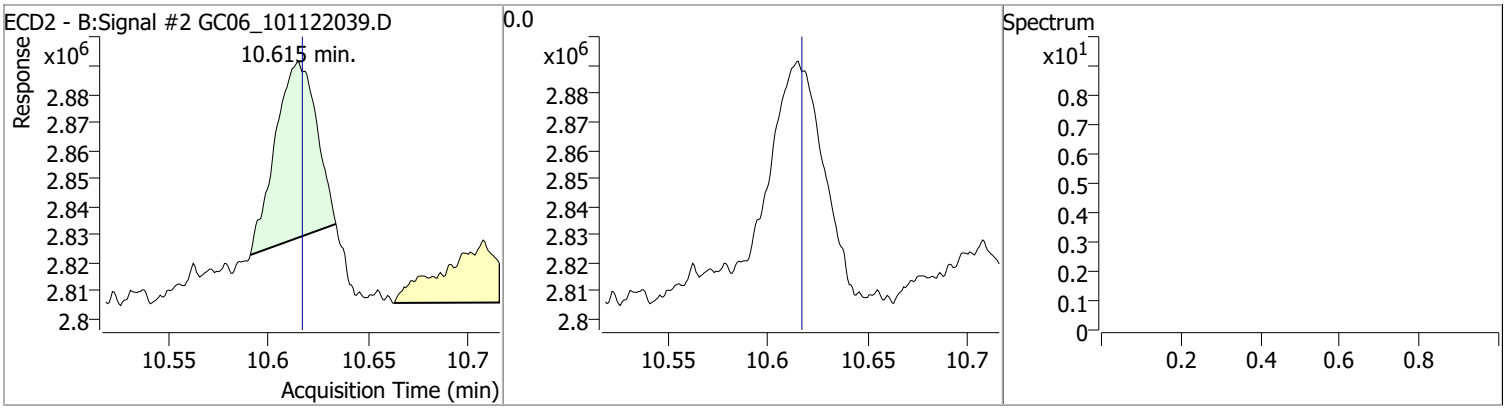
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	42.2682	10.11	0.00	146262				



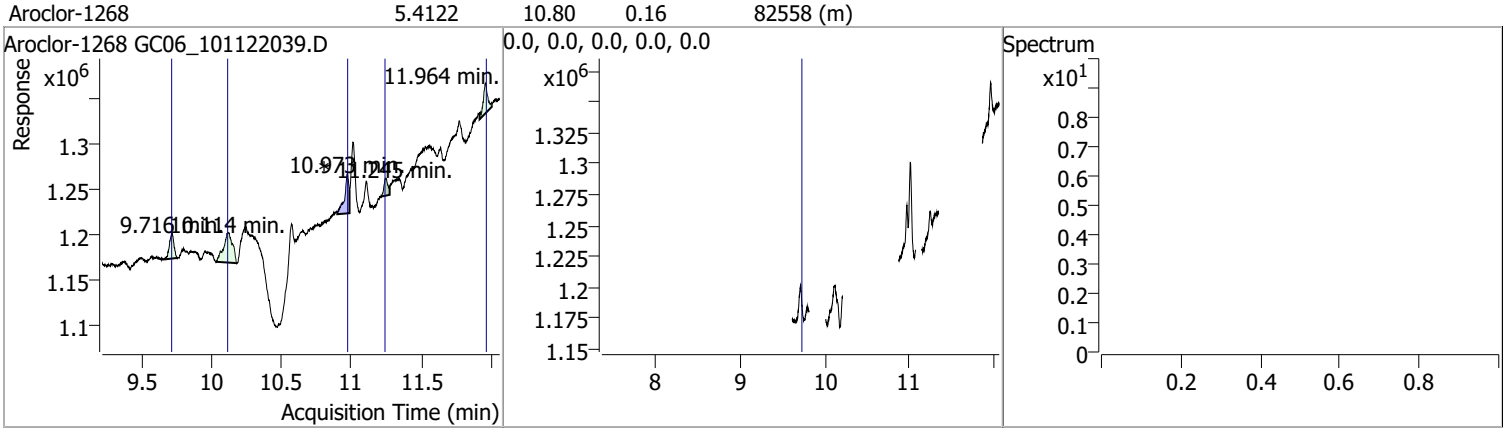
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	43.4733	10.20	0.00	592886				



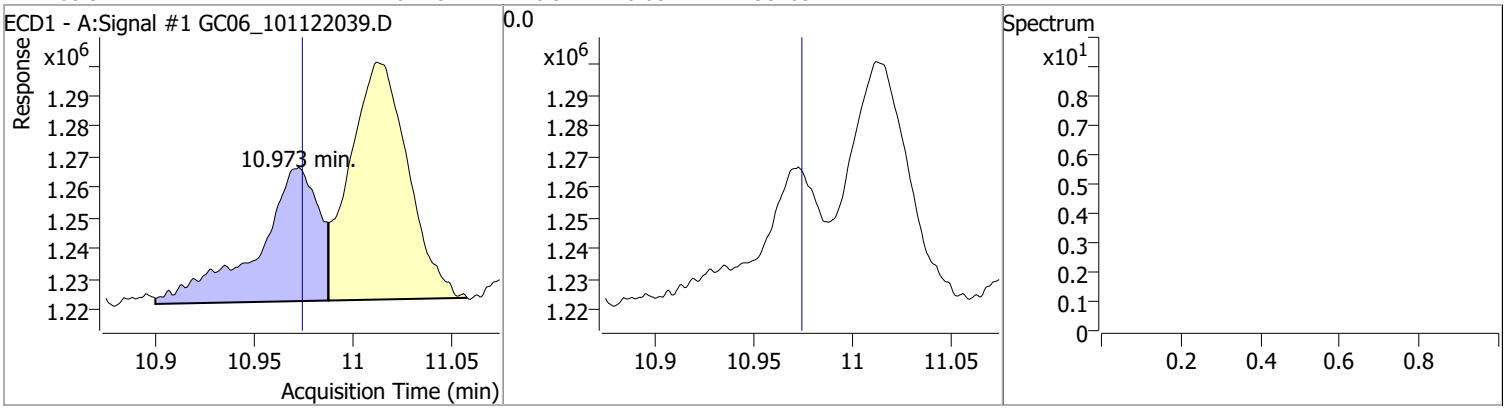
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	5.1366	10.62	0.00	90631				



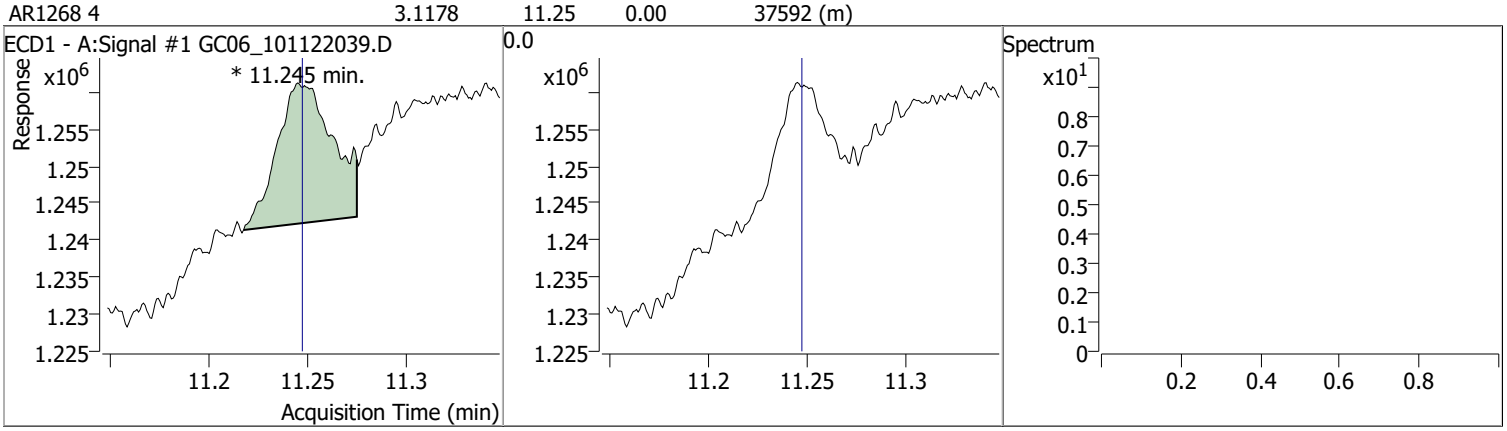
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	5.4122	10.80	0.16	82558 (m)				



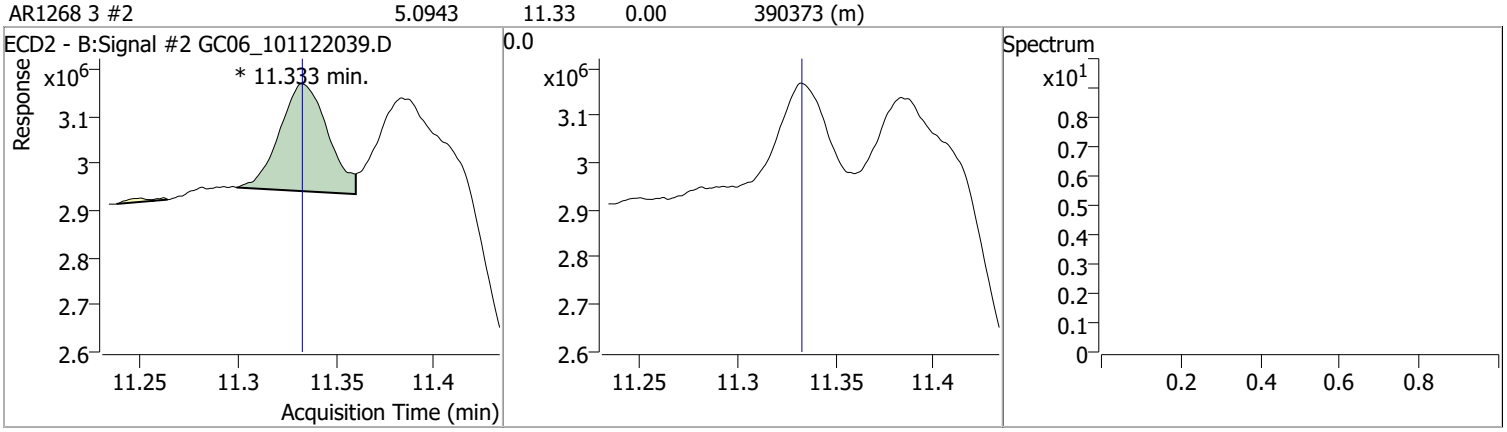
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	6.2751	10.97	0.00	95103				



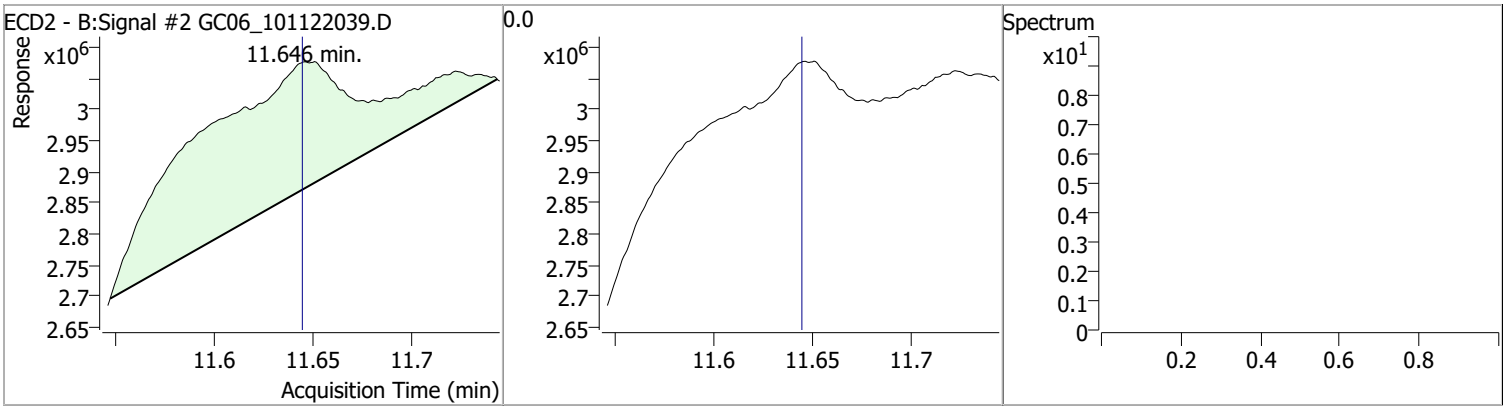
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	3.1178	11.25	0.00	37592 (m)				



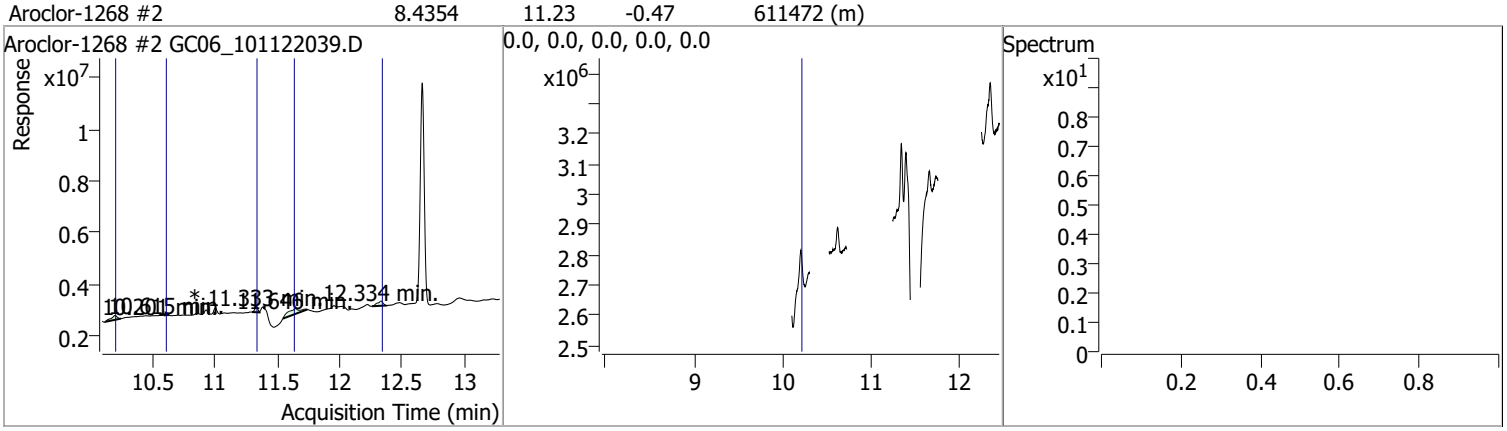
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	5.0943	11.33	0.00	390373 (m)				



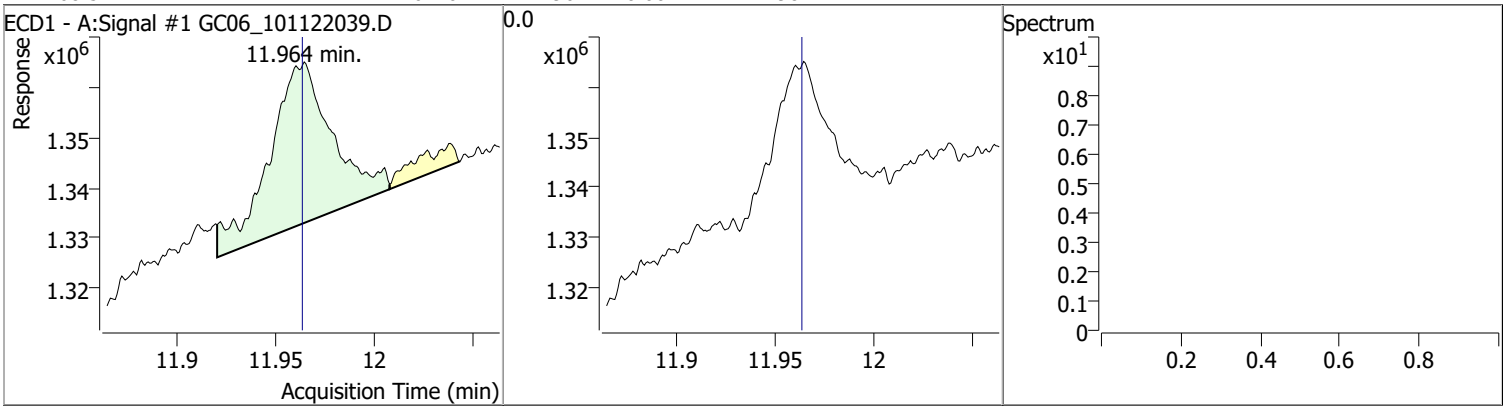
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	23.7275	11.65	0.00	1401786				



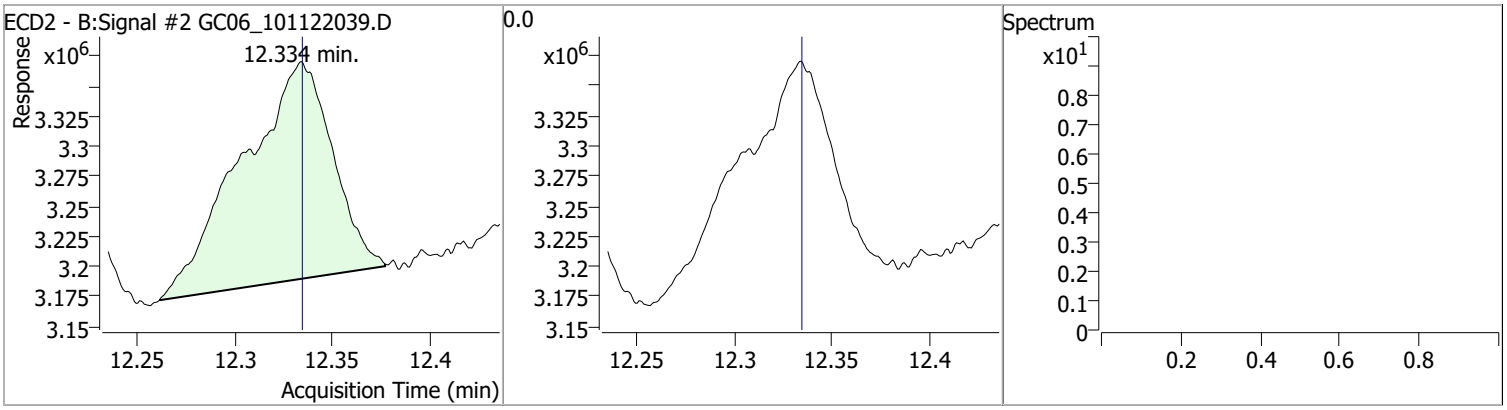
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	8.4354	11.23	-0.47	611472 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	1.6740	11.96	0.00	71987				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	2.9761	12.33	0.00	581686				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 470417 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1017763		
Seqnum:	452409808033.2	Matrix:	Wipe		
File:	gc06_101122033	Batch:	298551	Time:	11-OCT-2022 23:37
Cal:	452369928002	Caldate:	14-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	7.993	ND	0.12	37%	0.25	u
Aroclor-1221	B		ND			0.25	u
Aroclor-1232	B		ND			0.25	u
Aroclor-1242	B		ND			0.25	u
Aroclor-1248	B		ND			0.25	u
Aroclor-1254	B		ND			0.25	u
Aroclor-1260	B	17.73	ND	0.066	92%	0.25	u
Aroclor-1262	B		ND			0.25	u
Aroclor-1268	B		ND			0.25	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	45.33	0.5000	0.4533	91	52-186	u
Decachlorobiphenyl (PCB)	B	40.04	0.5000	0.4004	80	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_101122004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8695058	9546243	9.79
1-bromo-2-nitrobenzene (PCB)	A	1944427	1794425	-7.71

ISTD (ICAL gc06_101122008)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	9629214	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1268)	A	1872600	**???**	**-100.00 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_101122004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_101122008)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1268)	B	3.92	**???**	
1-bromo-2-nitrobenzene (1268)	A	4.11	**???**	

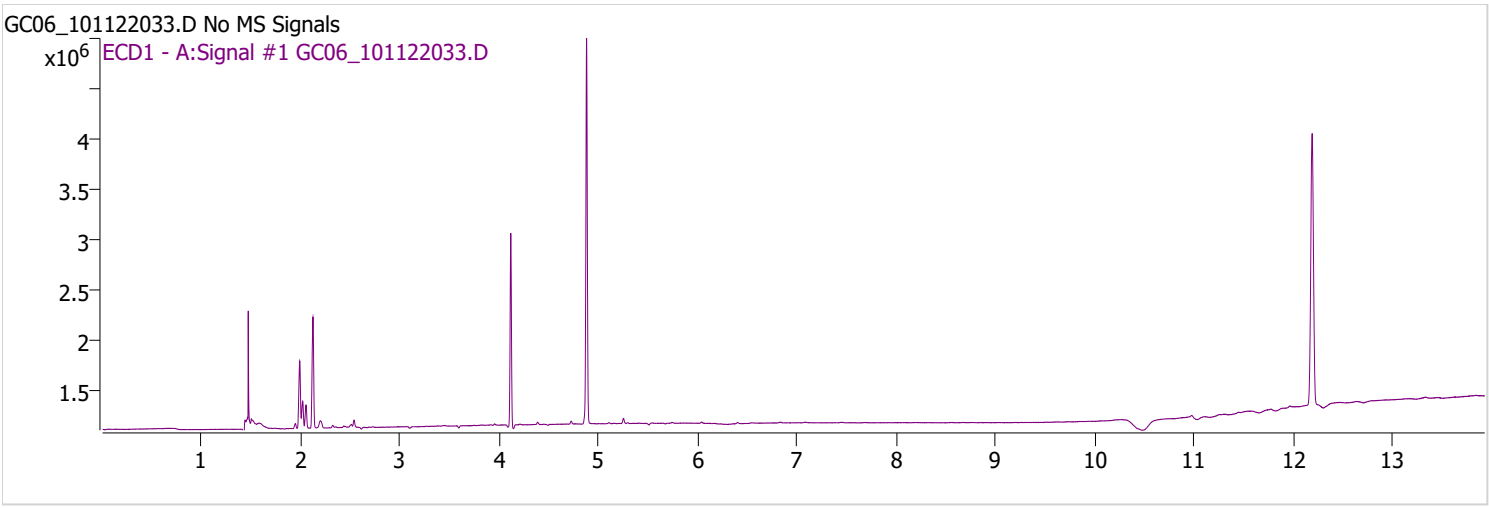
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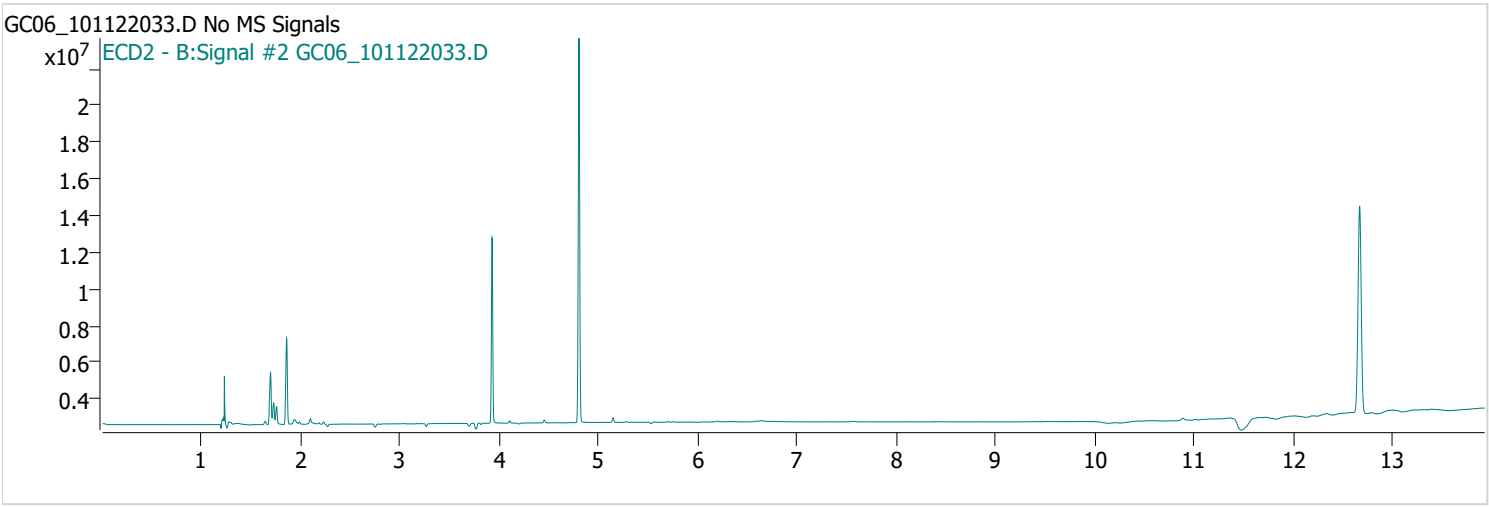
Analyst: TJW 10/12/22 *

Reviewer: LW 10/17/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC06_101122033.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/11/2022 11:37:25 PM
Sample Name	QC1017763, 298551, 1	Instrument	SVOA-GC06
Vial	21	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101122PCB.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



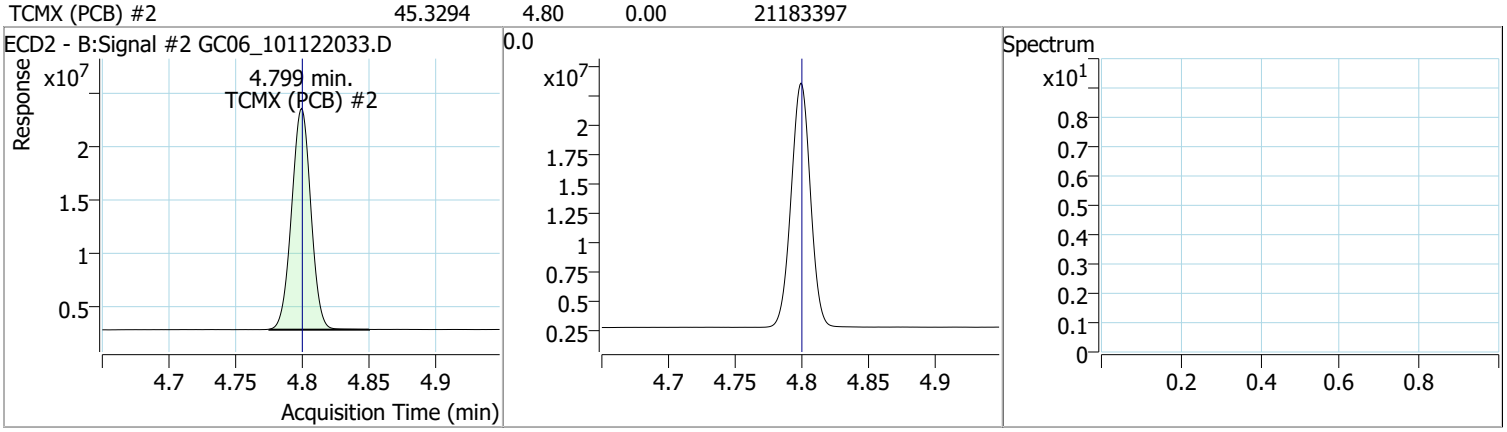


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.923	0.0	9546243.277	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.112	0.0	1794424.534	20.0000	ng/ml		-0.007
System Monitoring Compounds							
S TCMX (PCB) #2	4.799	0.0	21183396.888	45.3294	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 226.65%		*	
S TCMX (PCB)	4.876	0.0	3883182.609	45.4317	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.16%		*	
S Decachlorobiphenyl (PCB)	12.185	0.0	5261838.160	43.7209	ng/ml		-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 218.60%		*	
S Decachlorobiphenyl (PCB) #2	12.663	0.0	25354549.518	40.0397	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.20%		*	
Target Compounds							QValue

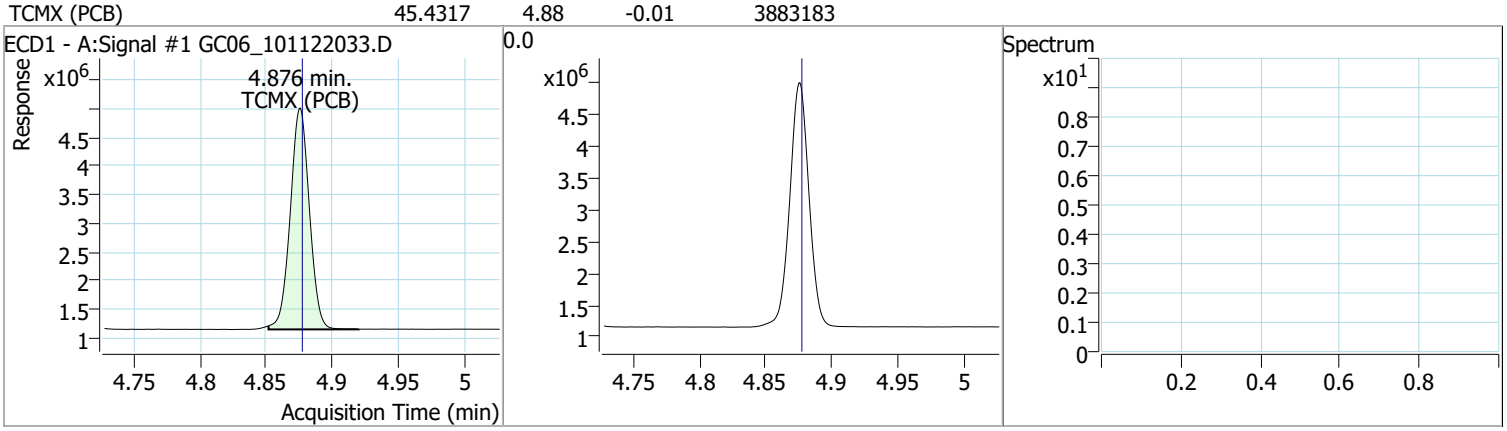
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.248	0.0	57545.923	32.7135	ng/ml	100
T AR1016 1 #2	5.277	0.0	57518.476	5.9940	ng/ml	100
T AR1016 2	5.540	0.0	63176.726	16.8024	ng/ml	100
T AR1016 2 #2	5.556	0.0	325093.099	16.2434	ng/ml	100
T AR1016 3	5.959	0.0	1163.635	0.2625	ng/ml	100
T AR1016 3 #2	6.058	0.0	24623.753	0.9456	ng/ml	100
T AR1016 4	6.121	0.0	2889.051	0.8660	ng/ml	100
T AR1016 4 #2	6.192	0.0	84698.167	4.9229	ng/ml	100
T AR1016 5	6.538	0.0	19232.028	7.2086	ng/ml	100
T AR1016 5 #2	6.634	0.0	172247.914	11.8575	ng/ml	100
T AR1260 1	8.343	0.0	980.355	0.1857	ng/ml	100
T AR1260 1 #2	8.903	0.0	2999.689	0.0907	ng/ml	100
T AR1260 2	8.908	0.0	779.620	0.0936	ng/ml	100
T AR1260 2 #2	9.407	0.0	4517.587	0.1217	ng/ml	100
T AR1260 3	9.399	0.0	587.590	0.0674	ng/ml	100
T AR1260 3 #2	9.970	0.0	217777.545	4.5602	ng/ml	100
T AR1260 4	0.000		0	N.D.		
T AR1260 4 #2	10.601	0.0	51240.555	1.6212	ng/ml	100
T AR1260 5	10.972	0.0	197842.534	32.4804	ng/ml	100
T AR1260 5 #2	11.353	0.0	3878055.719	82.2438	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

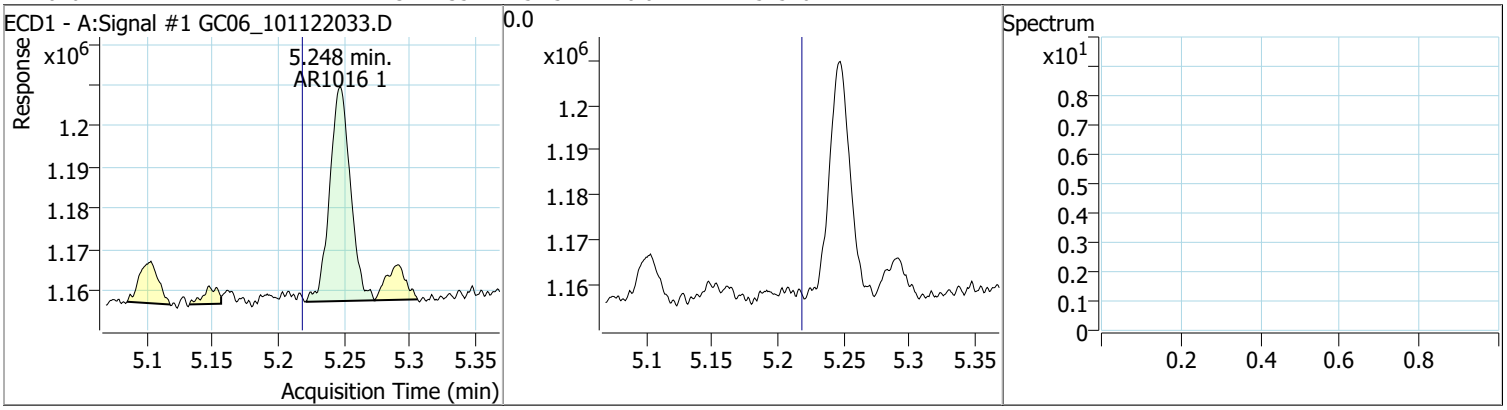
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.3294	4.80	0.00	21183397				



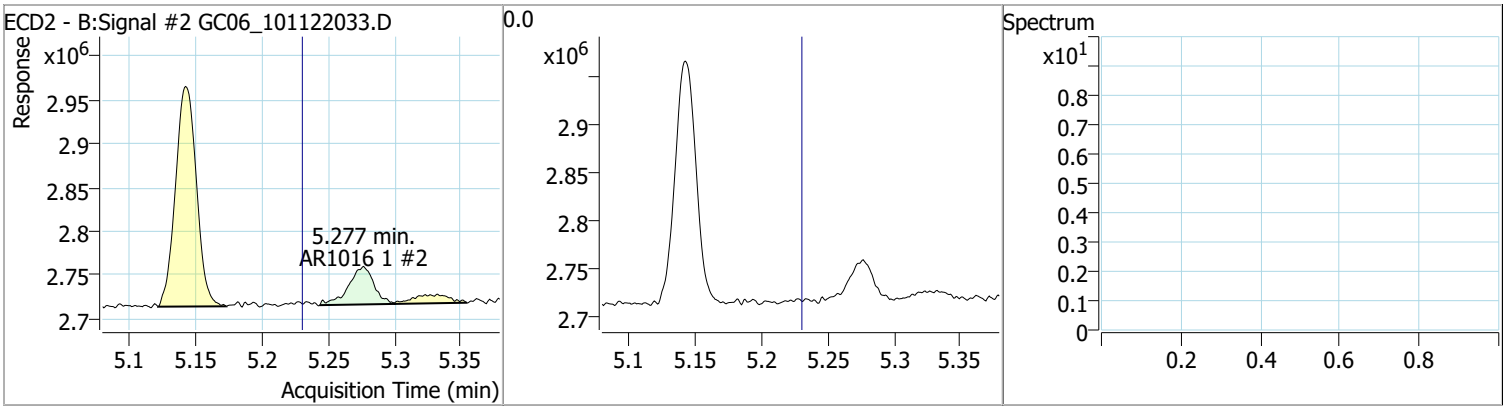
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	45.4317	4.88	-0.01	3883183				



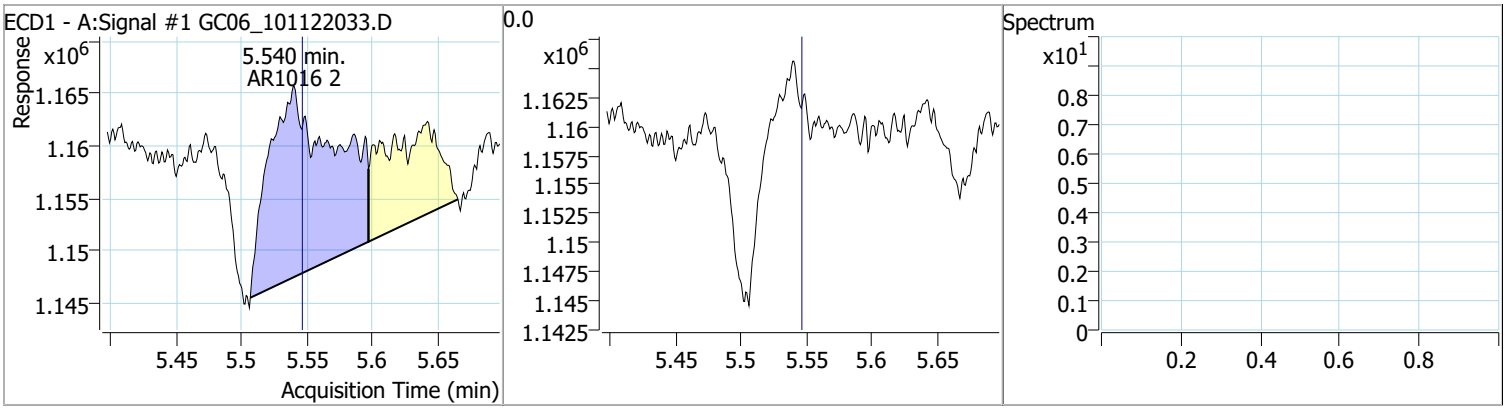
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	32.7135	5.25	0.02	57546				



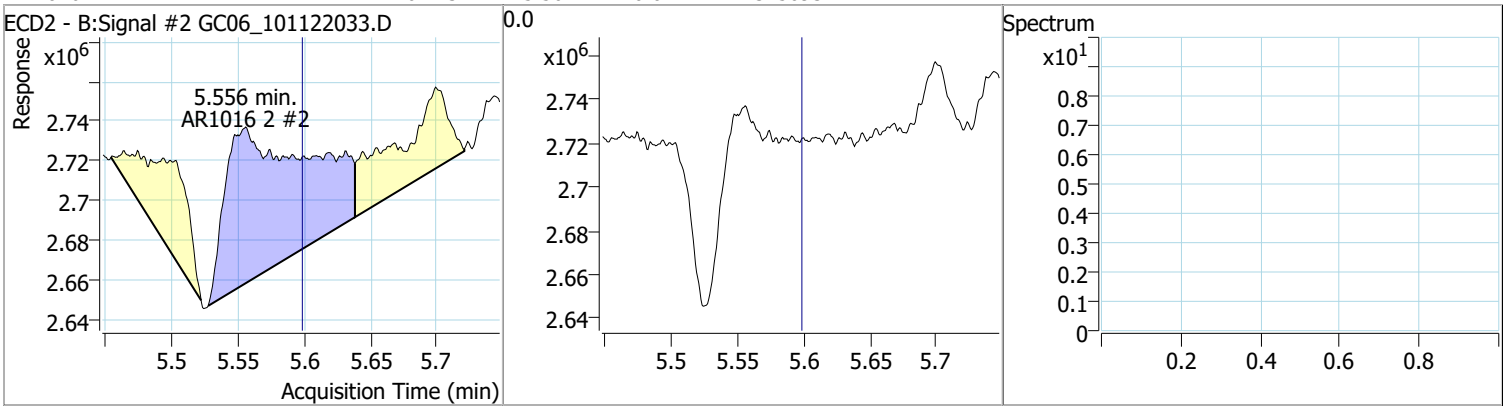
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.9940	5.28	0.05	57518				



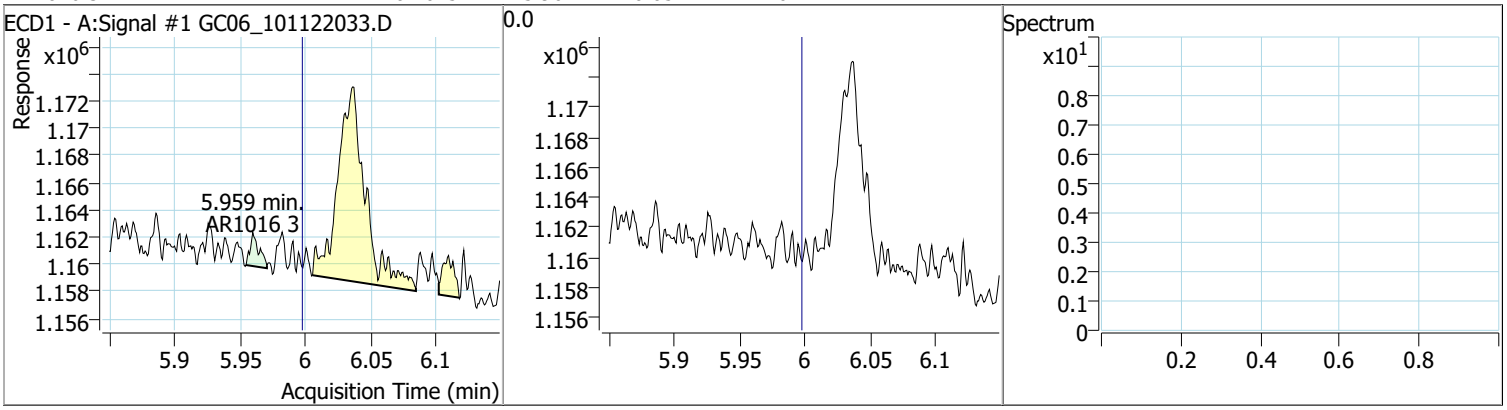
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	16.8024	5.54	-0.01	63177				



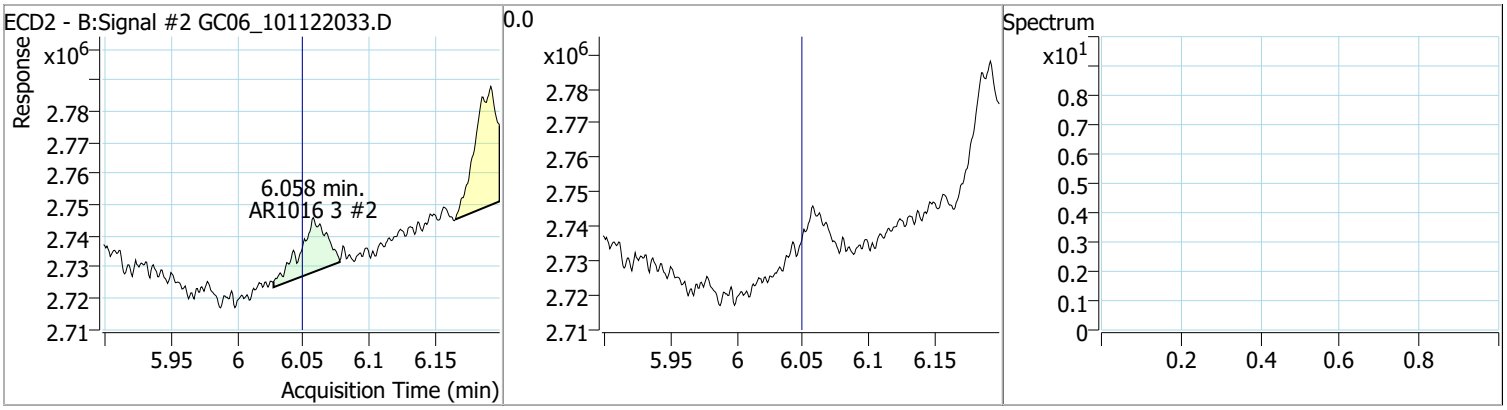
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	16.2434	5.56	-0.04	325093				



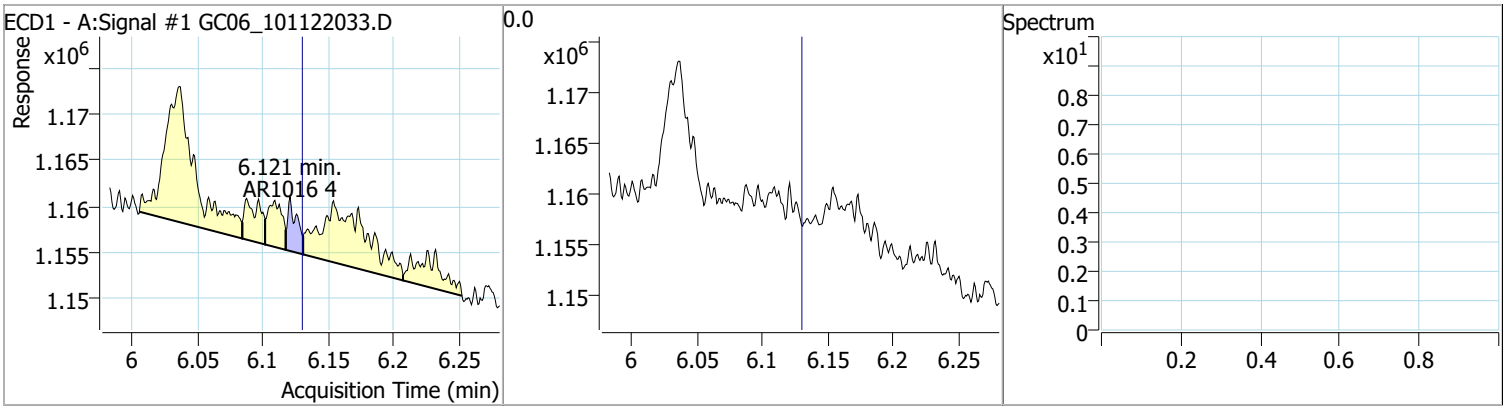
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.2625	5.96	-0.05	1164				



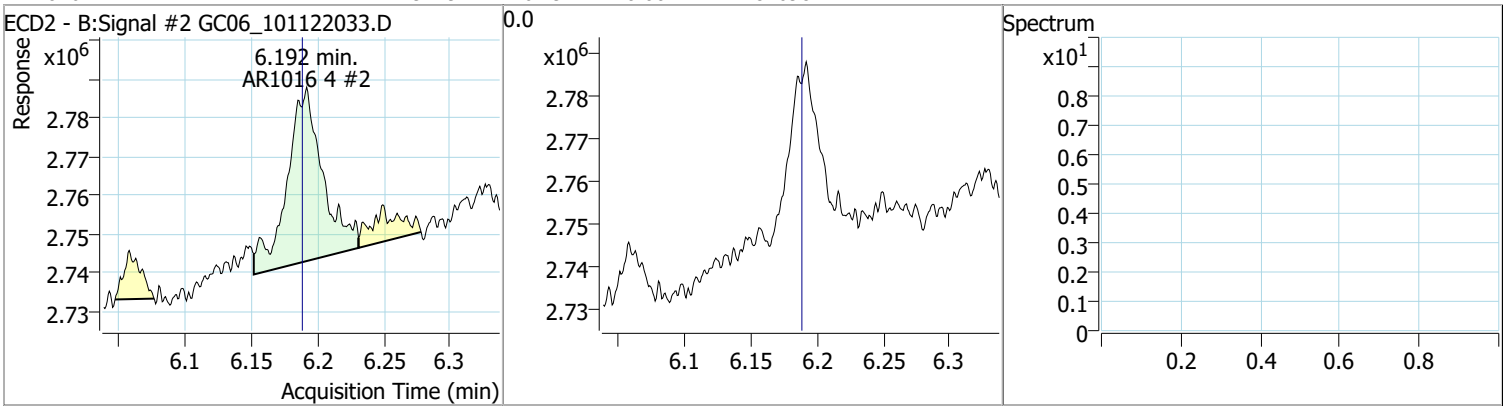
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	0.9456	6.06	0.01	24624				



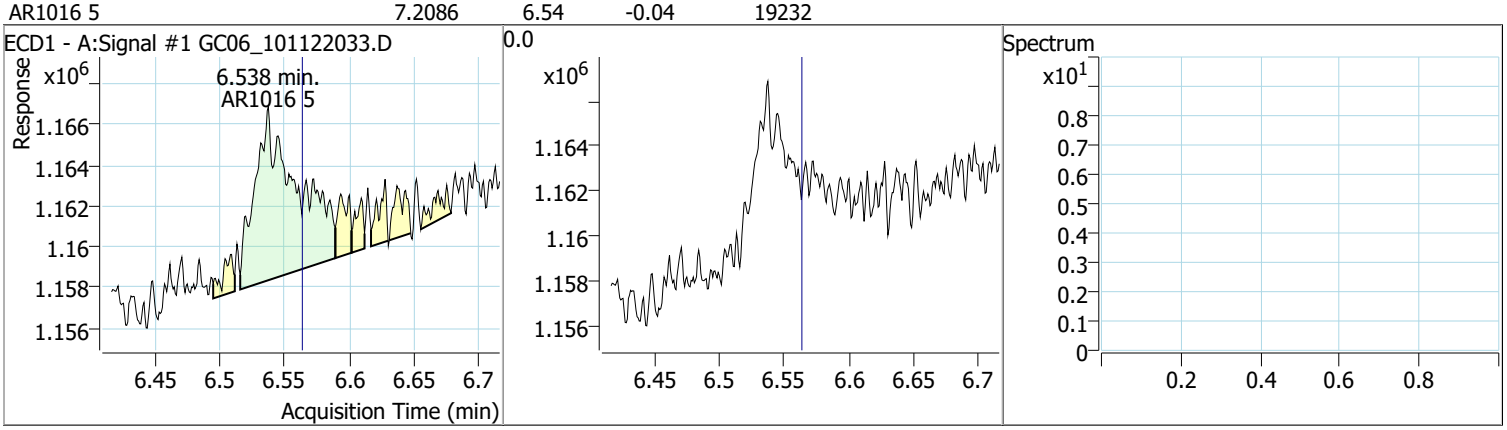
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.8660	6.12	-0.02	2889				



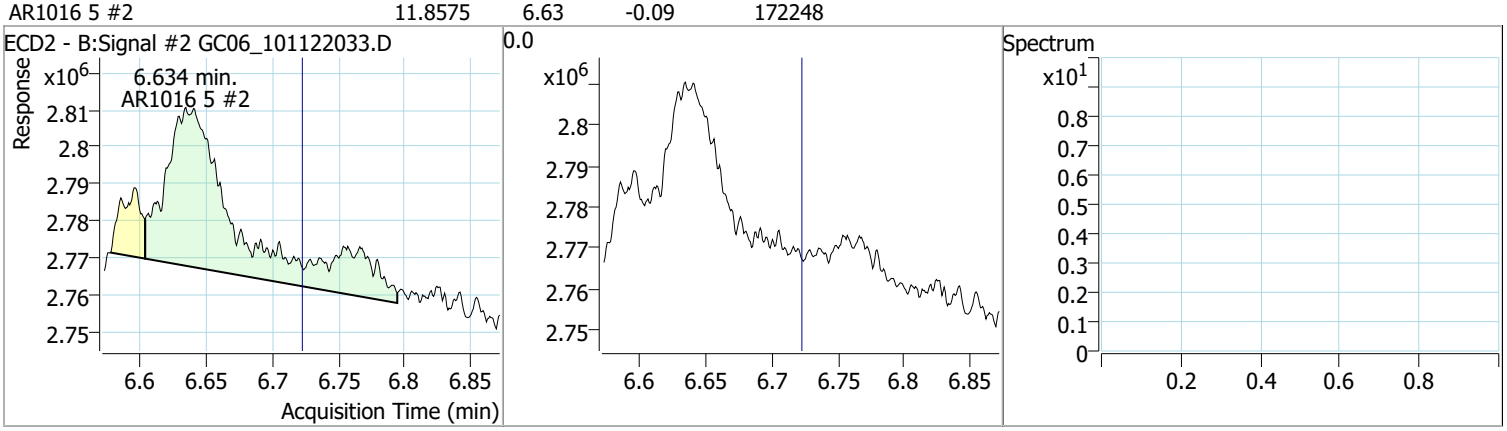
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.9229	6.19	0.00	84698				



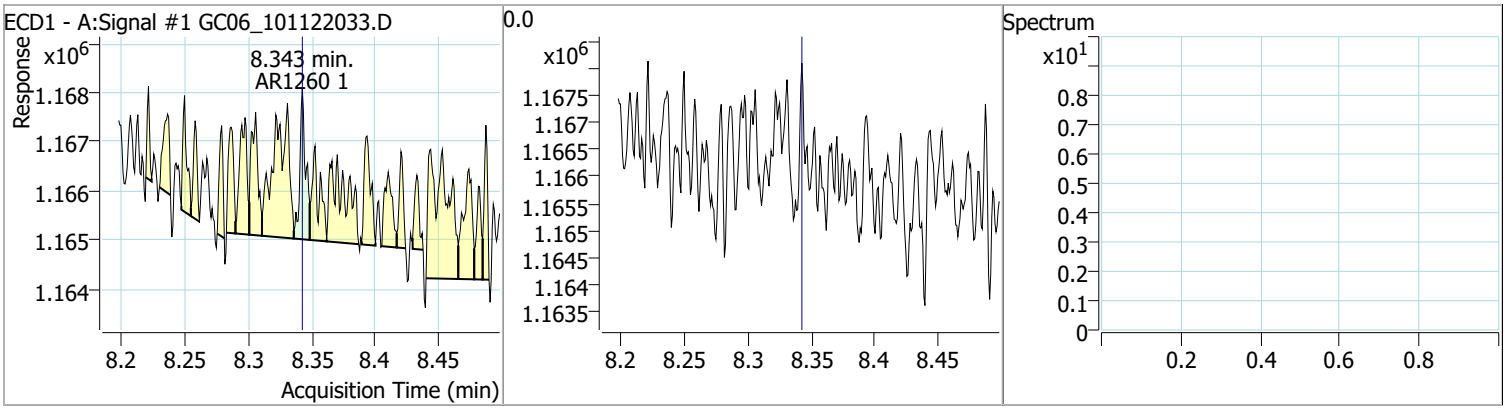
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	7.2086	6.54	-0.04	19232				



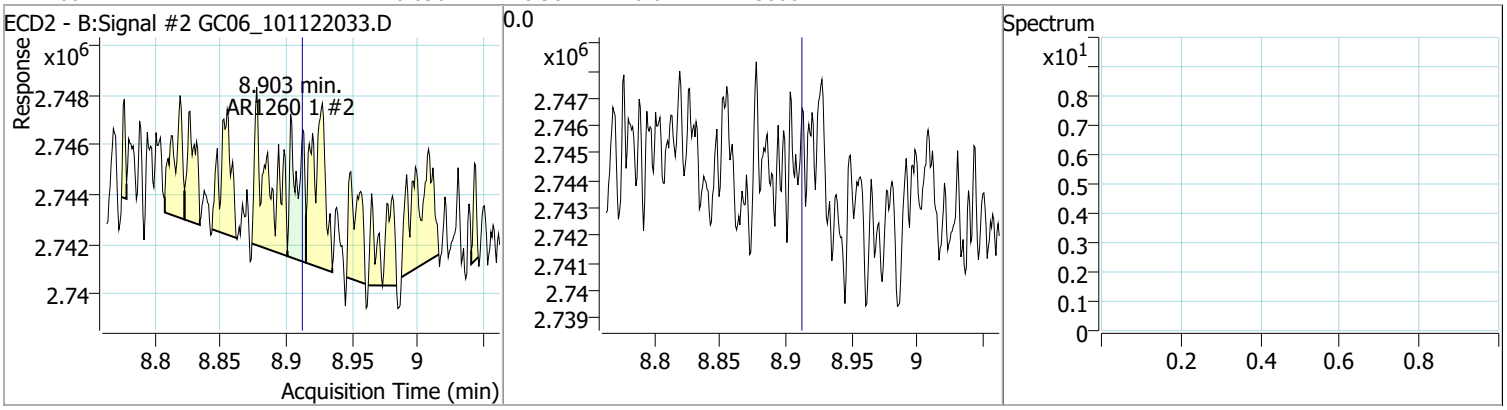
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	11.8575	6.63	-0.09	172248				



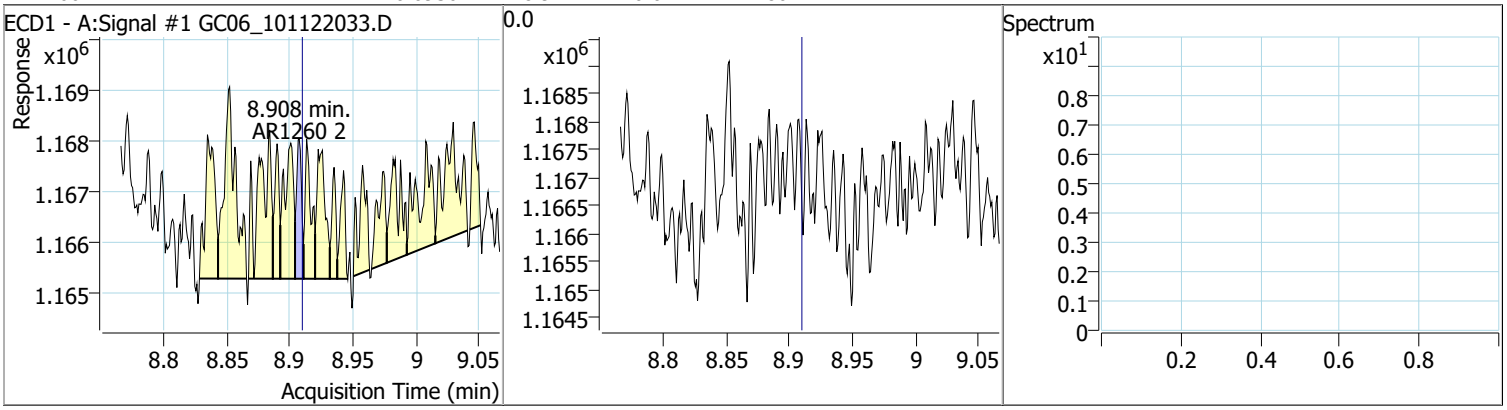
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.1857	8.34	-0.01	980				



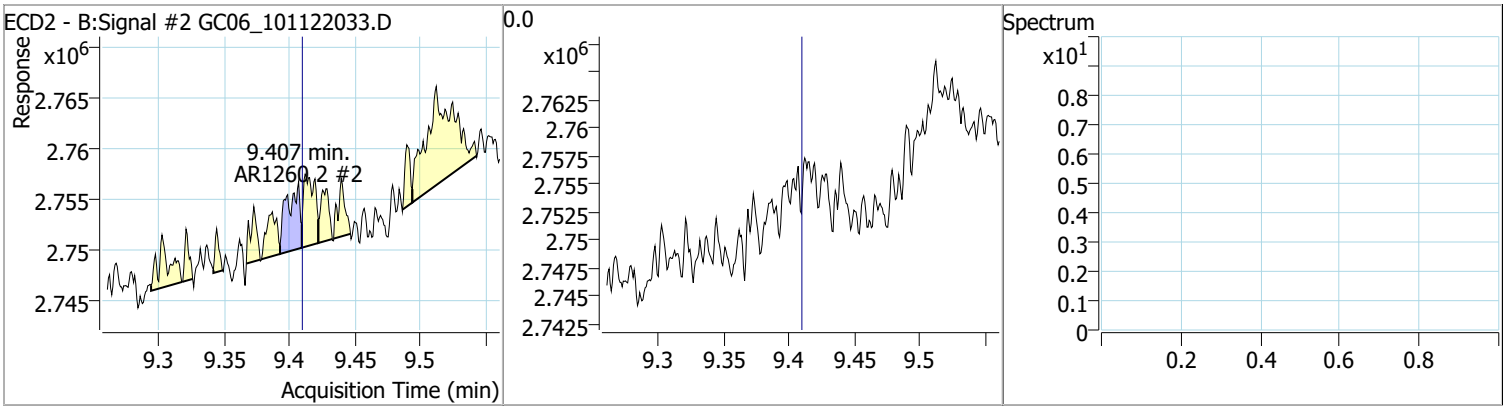
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.0907	8.90	-0.01	3000				



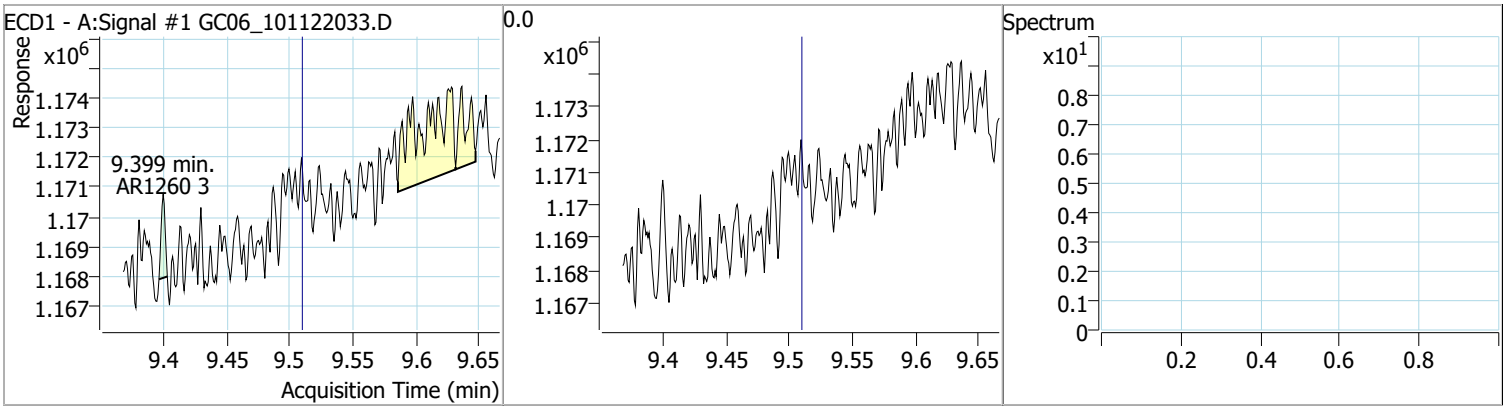
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.0936	8.91	-0.02	780				



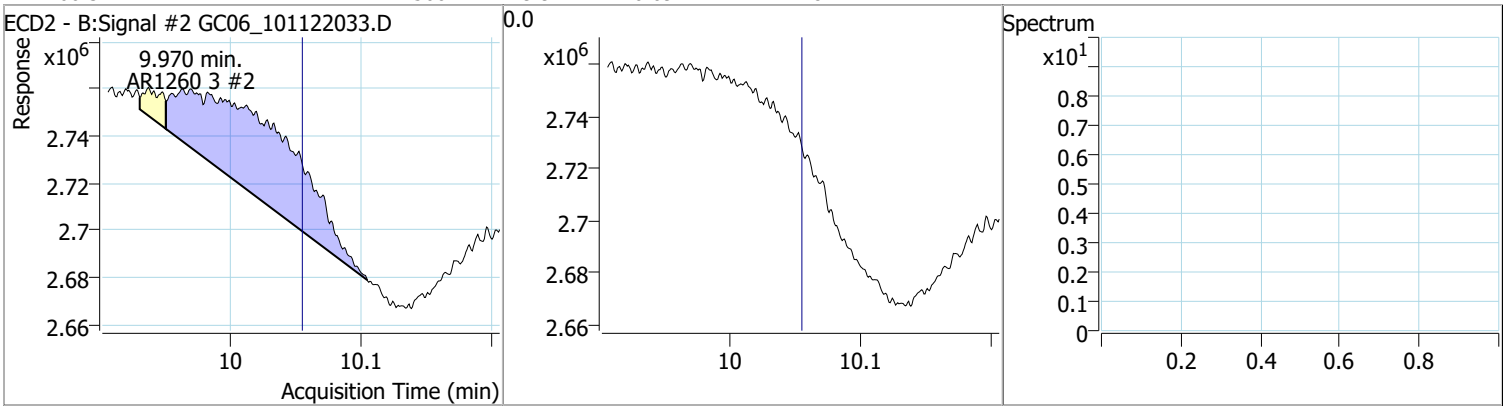
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.1217	9.41	-0.01	4518				



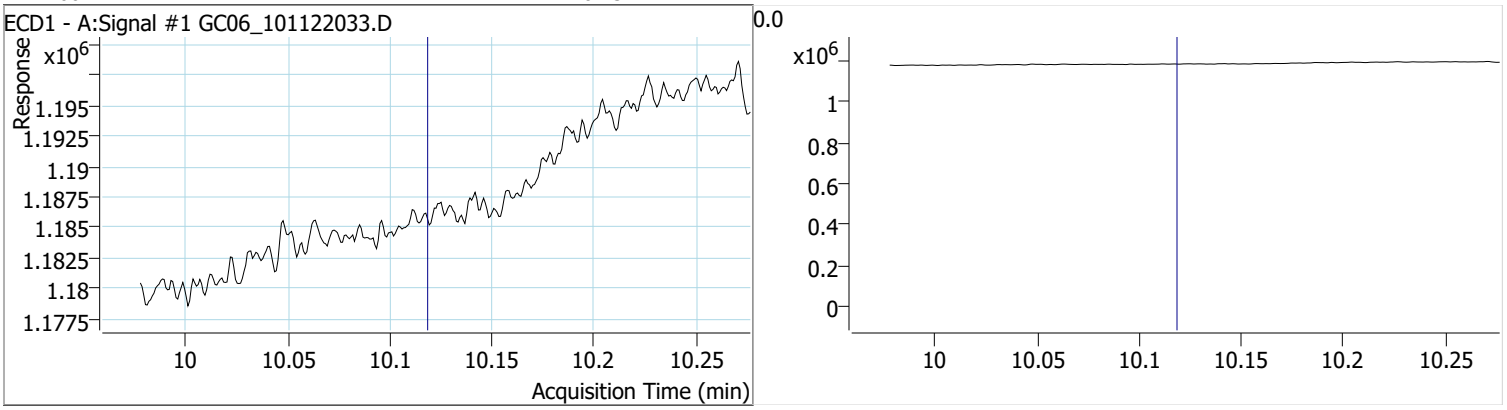
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.0674	9.40	-0.12	588				



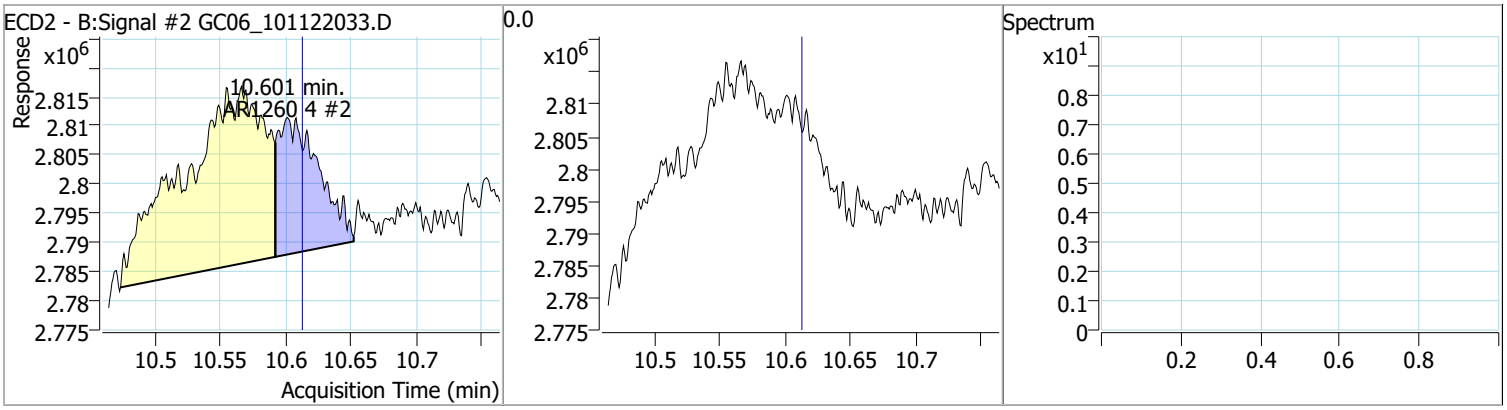
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	4.5602	9.97	-0.09	217778				



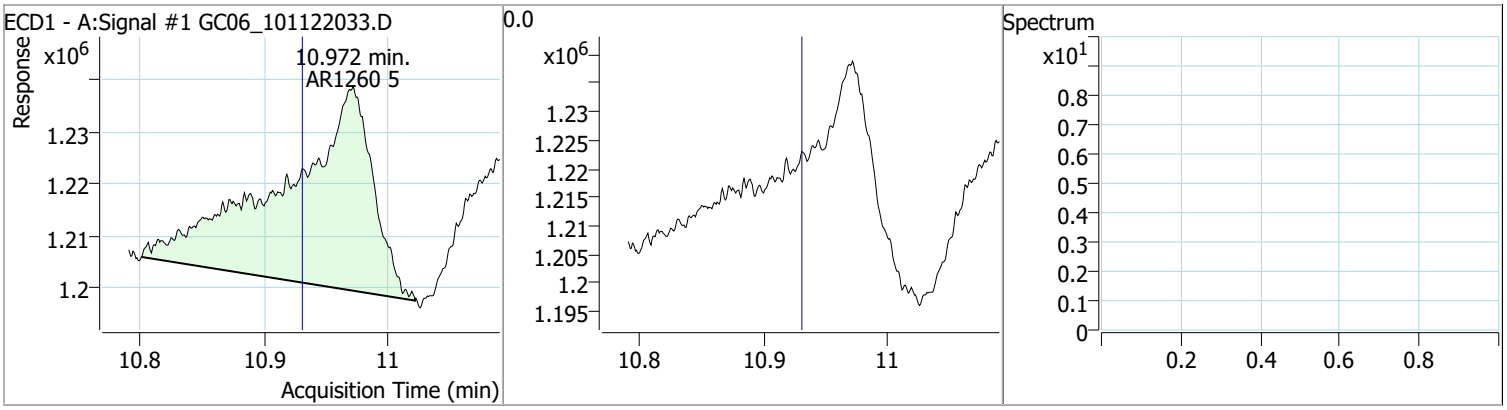
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 4	N.D.	10.13		



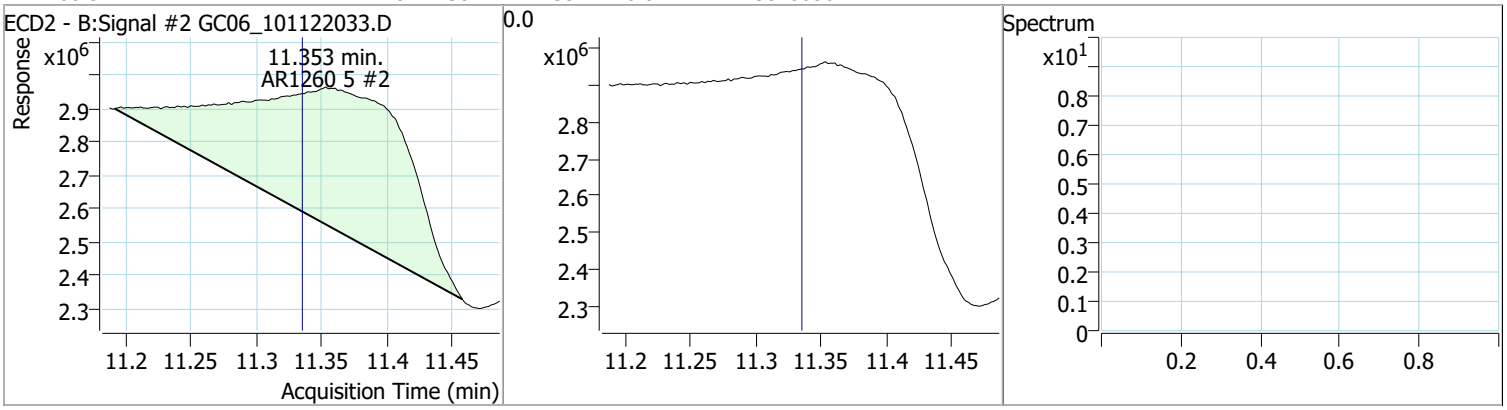
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.6212	10.60	-0.01	51241				



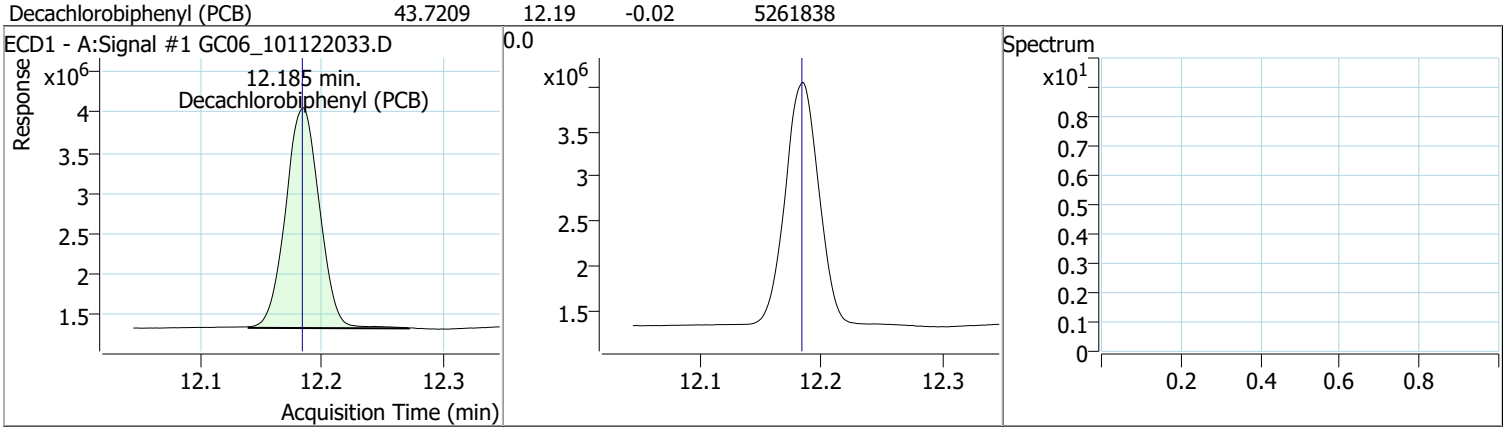
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	32.4804	10.97	0.02	197843				



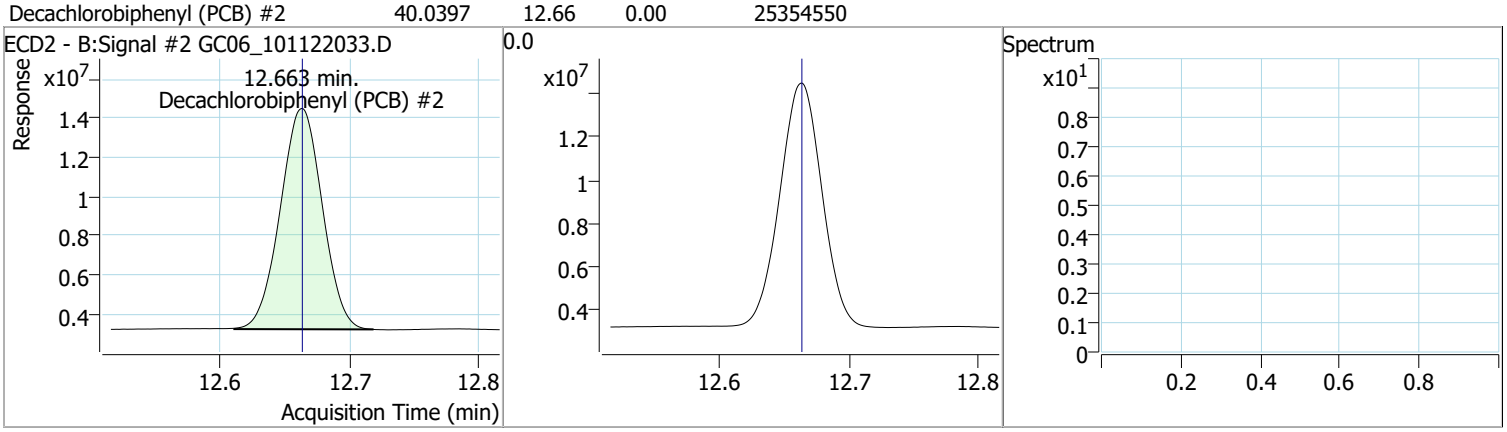
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	82.2438	11.35	0.01	3878056				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.7209	12.19	-0.02	5261838				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.0397	12.66	0.00	25354550				



ENTHALPY SPIKE USER REPORT FOR 470417 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452409808034.2	Seqnum:	452409808035.2
File:	gc06_101122034	File:	gc06_101122035
IDF:	1.0	IDF:	1.0
Lab ID:	QC1017764	Lab ID:	QC1017765
Matrix:	Wipe	Matrix:	Wipe
Batch:	298551	Batch:	298551
Time:	11-OCT-2022 23:54	Time:	12-OCT-2022 00:12
Cal:	452369928002	Cal:	452369928002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	467.6	4.676	B	94	437.1	4.371	B	87	60-140	7	20	u
Aroclor-1016 Peak # 1		447.7	4.477	B		415.4	4.154	B					
Aroclor-1016 Peak # 2		465.5	4.655	B		431.9	4.319	B					
Aroclor-1016 Peak # 3		458.6	4.586	B		444.5	4.445	B					
Aroclor-1016 Peak # 4		485.7	4.857	B		450.6	4.506	B					
Aroclor-1016 Peak # 5		480.6	4.806	B		443.0	4.430	B					
Aroclor-1260	5.000	464.7	4.647	B	93	419.5	4.195	B	84	60-140	10	20	u
Aroclor-1260 Peak # 1		444.8	4.448	B		405.9	4.059	B					
Aroclor-1260 Peak # 2		476.3	4.763	B		430.5	4.305	B					
Aroclor-1260 Peak # 3		475.8	4.758	B		432.9	4.329	B					
Aroclor-1260 Peak # 4		470.8	4.708	B		425.5	4.255	B					
Aroclor-1260 Peak # 5		456.0	4.560	B		402.8	4.028	B					
Surrogates													
TCMX (PCB)	0.5000	45.70	0.4570	B	91	43.19	0.4319	B	86	52-186			u
Decachlorobiphenyl (PCB)	0.5000	44.26	0.4426	B	89	37.21	0.3721	B	74	60-140			u

ISTD (CCV gc06_101122004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8695058	8720066	0.29
1-bromo-2-nitrobenzene (PCB)	A	1944427	1648940	-15.20

ISTD (CCV gc06_101122004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (CCV gc06_101122004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8695058	10813401	24.36
1-bromo-2-nitrobenzene (PCB)	A	1944427	1982144	1.94

ISTD (CCV gc06_101122004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

TJW 10/12/22 [Aroclor-1016 Peak # 3 B]: Manually integrated due to baseline corrections for Ch. B for spike & dup [general version]

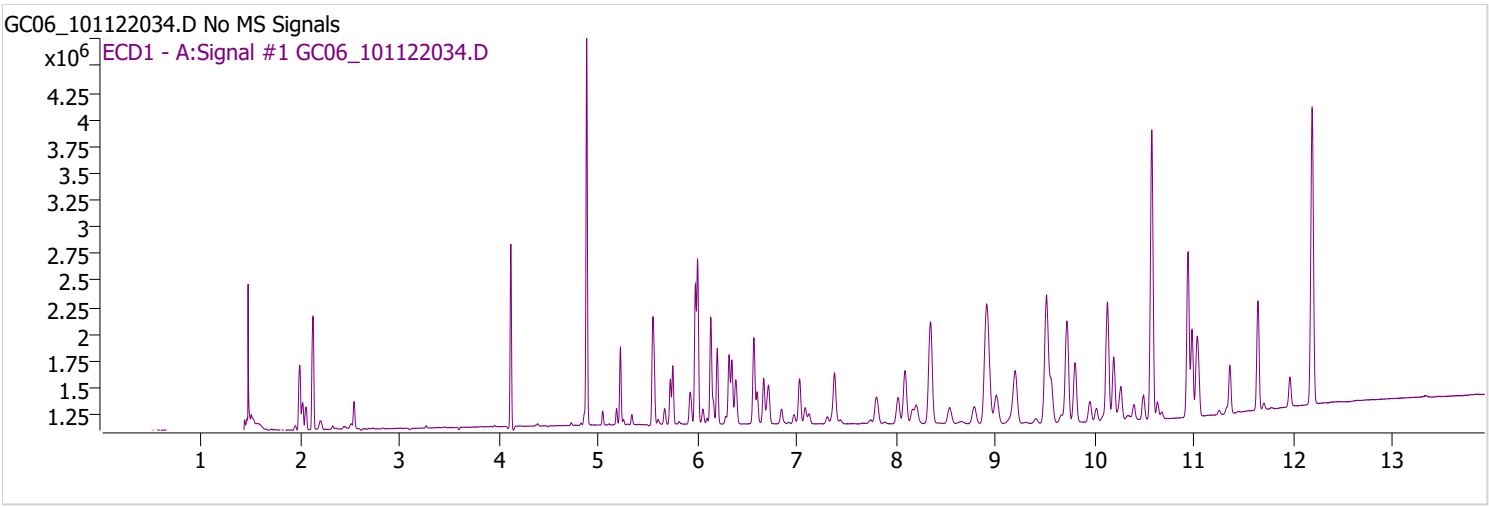
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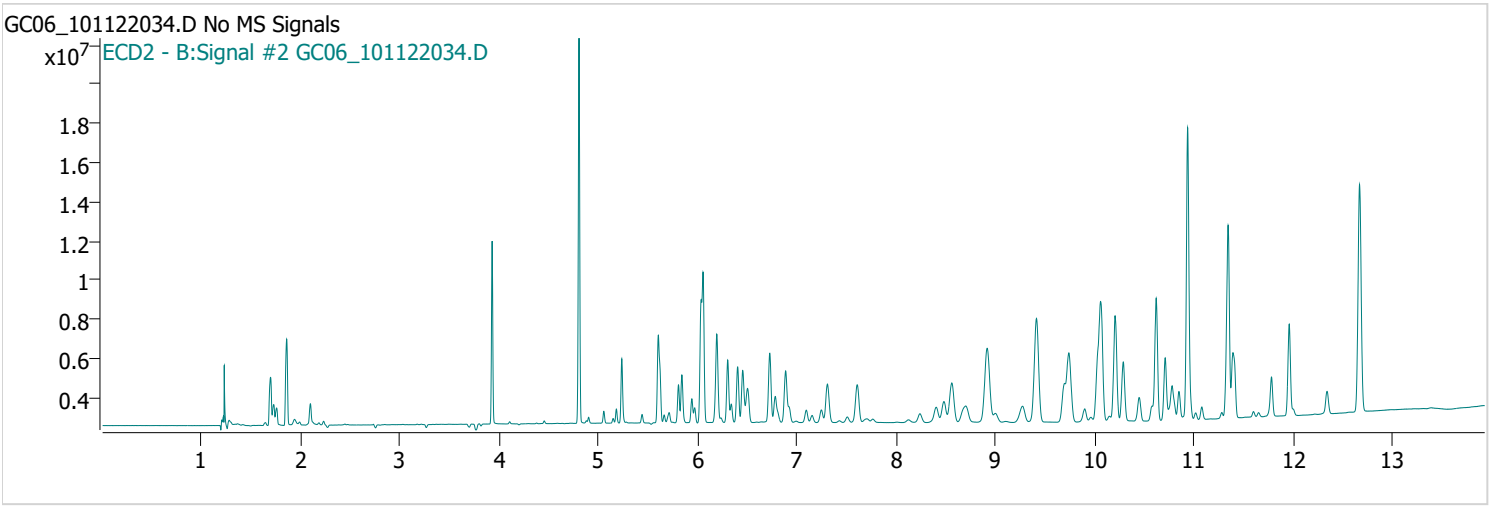
Analyst: TJW 10/12/22 *

Reviewer: LW 10/17/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC06_101122034.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/11/2022 11:54:51 PM
Sample Name	QC1017764, 298551, 1	Instrument	SVOA-GC06
Vial	22	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101122PCB.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



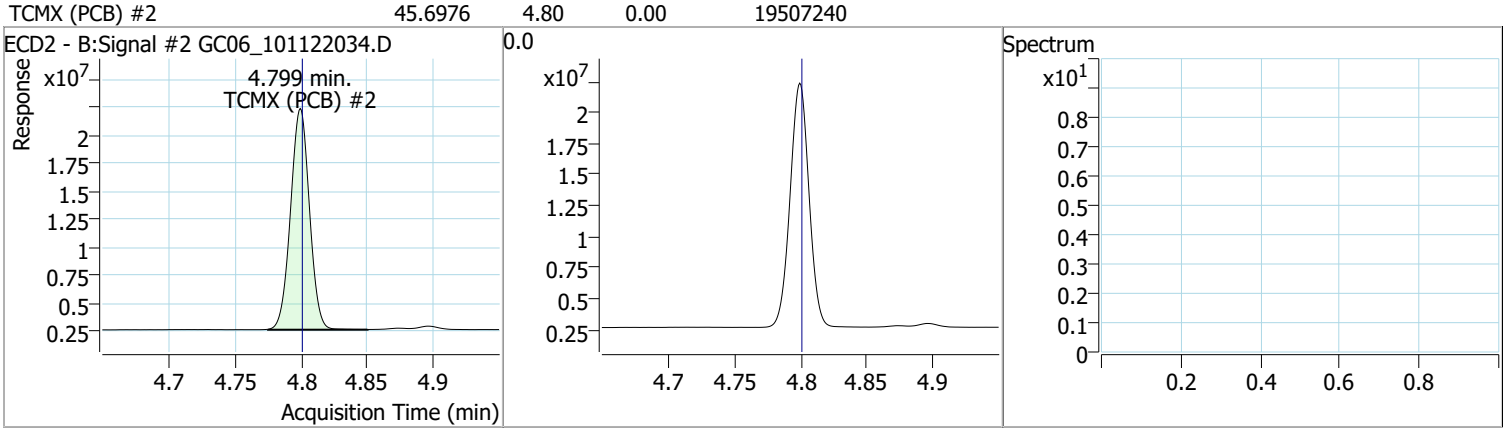


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.924	0.0	8720065.902	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.113	0.0	1648940.171	20.0000	ng/ml		-0.006
System Monitoring Compounds							
S TCMX (PCB) #2	4.799	0.0	19507239.519	45.6976	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 228.49%		*	
S TCMX (PCB)	4.877	0.0	3623017.172	46.1277	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 230.64%		*	
S Decachlorobiphenyl (PCB)	12.184	0.0	5173882.821	46.7830	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 233.92%		*	
S Decachlorobiphenyl (PCB) #2	12.662	0.0	25601354.264	44.2599	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.30%		*	
Target Compounds							QValue

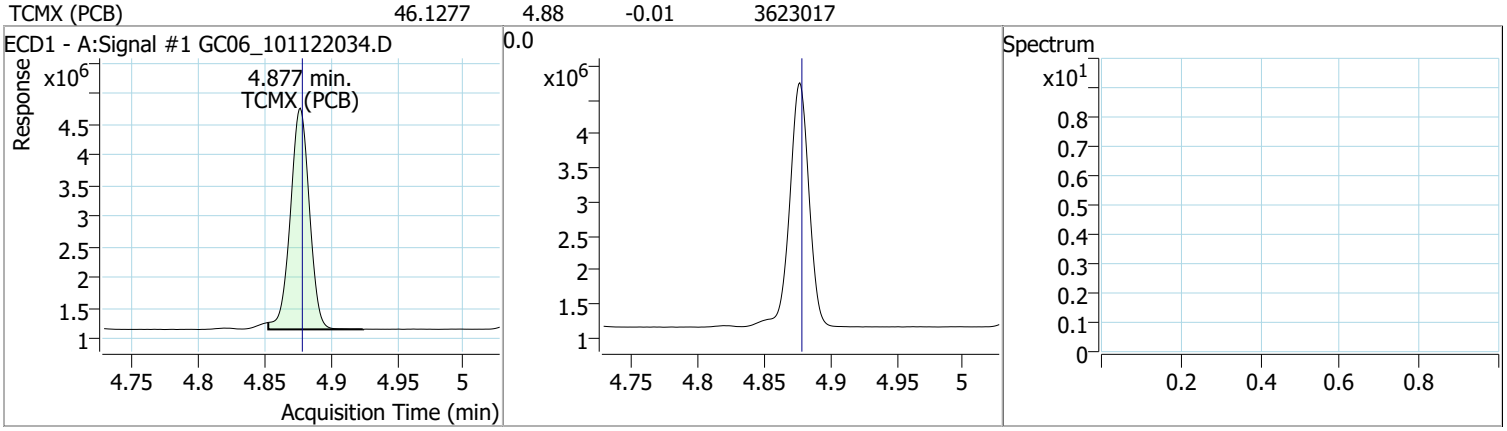
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.216	0.0	788047.717	487.5123	ng/ml		100
T AR1016 1 #2	5.230	0.0	3924622.799	447.7325	ng/ml		100
T AR1016 2	5.544	0.0	1701341.605	492.4079	ng/ml		100
T AR1016 2 #2	5.598	0.0	8510407.923	465.5142	ng/ml		100
T AR1016 3	5.993	0.0	1962709.382	481.8916	ng/ml		100
T AR1016 3 #2	6.048	0.0	10907533.658	458.5770	ng/ml	m	100
T AR1016 4	6.127	0.0	1536240.021	501.1184	ng/ml		100
T AR1016 4 #2	6.187	0.0	7632916.401	485.6790	ng/ml		100
T AR1016 5	6.561	0.0	1240367.744	505.9352	ng/ml		100
T AR1016 5 #2	6.721	0.0	6377099.881	480.5891	ng/ml		100
T AR1260 1	8.340	0.0	2456069.283	506.3358	ng/ml		100
T AR1260 1 #2	8.910	0.0	13436661.917	444.8190	ng/ml		100
T AR1260 2	8.906	0.0	3825698.848	499.8472	ng/ml		100
T AR1260 2 #2	9.408	0.0	16150639.900	476.2659	ng/ml		100
T AR1260 3	9.509	0.0	3445483.246	429.9562	ng/ml		100
T AR1260 3 #2	10.053	0.0	20755658.628	475.7902	ng/ml		100
T AR1260 4	10.123	0.0	2272029.851	502.5759	ng/ml		100
T AR1260 4 #2	10.613	0.0	13592313.474	470.7840	ng/ml		100
T AR1260 5	10.935	0.0	2715078.703	485.0698	ng/ml		100
T AR1260 5 #2	11.338	0.0	19640687.470	455.9932	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

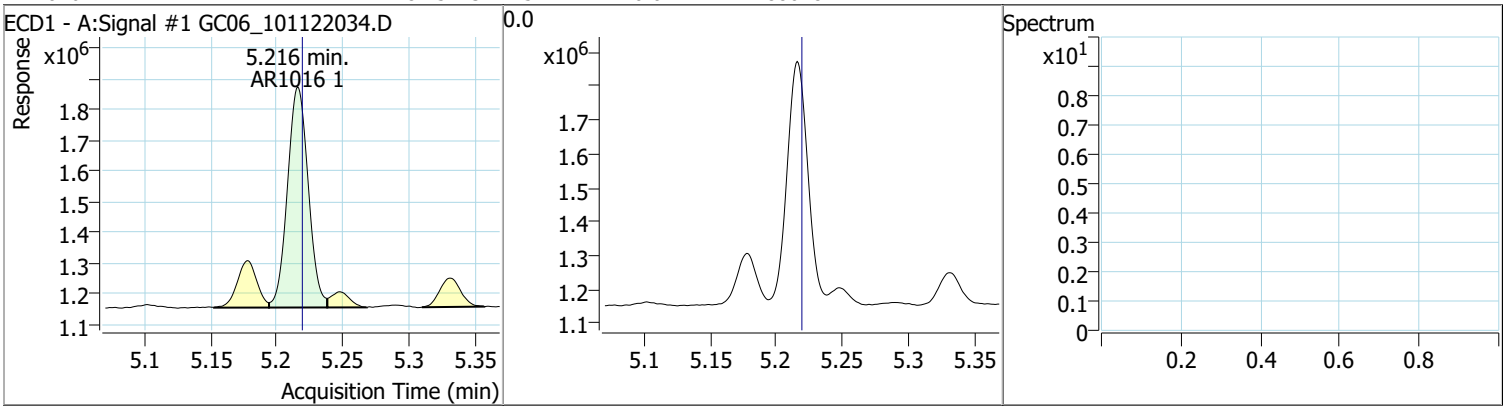
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.6976	4.80	0.00	19507240				



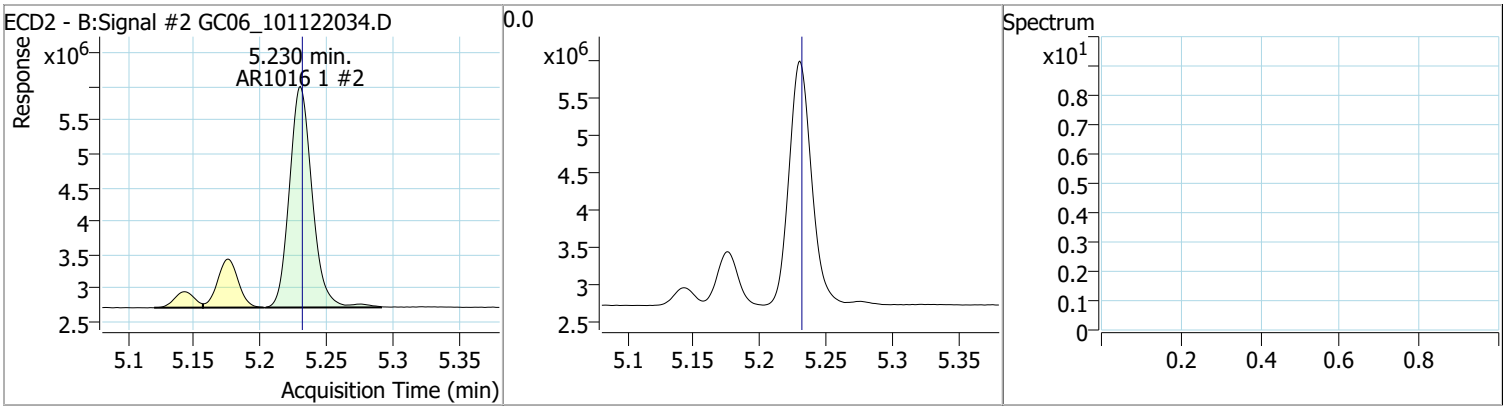
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.1277	4.88	-0.01	3623017				



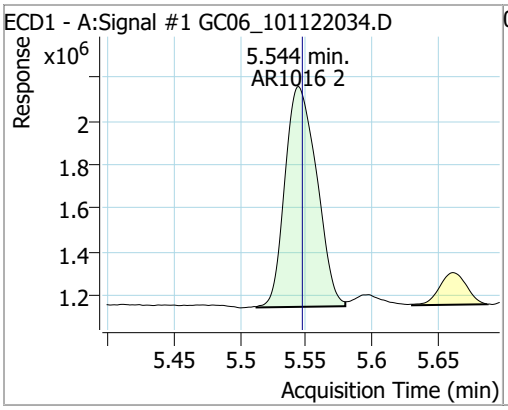
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	487.5123	5.22	-0.01	788048				

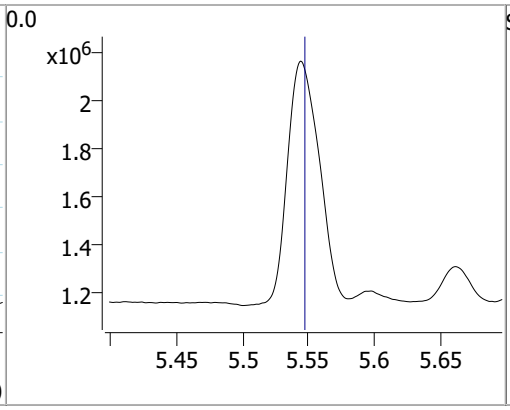


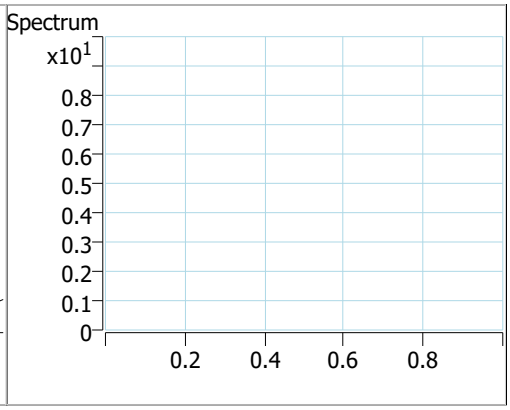
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	447.7325	5.23	0.00	3924623				



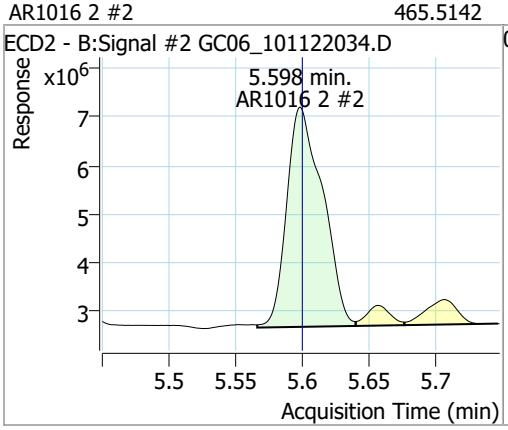
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	492.4079	5.54	-0.01	1701342				

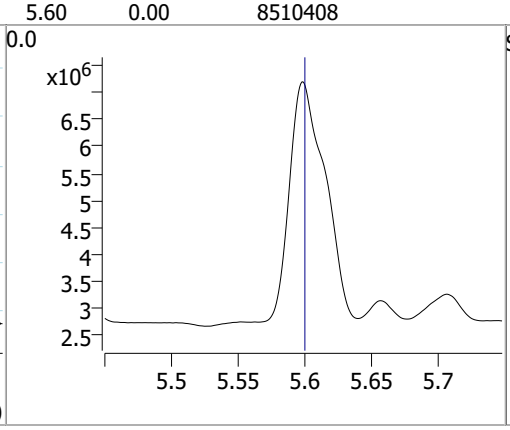


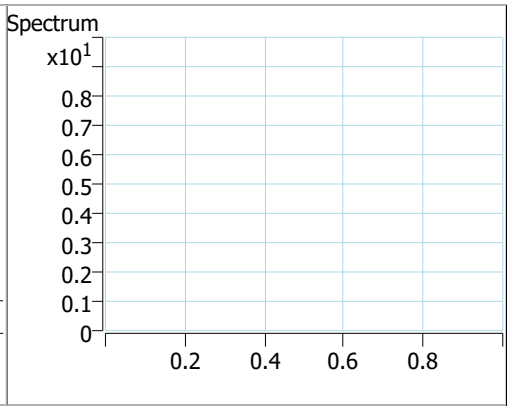




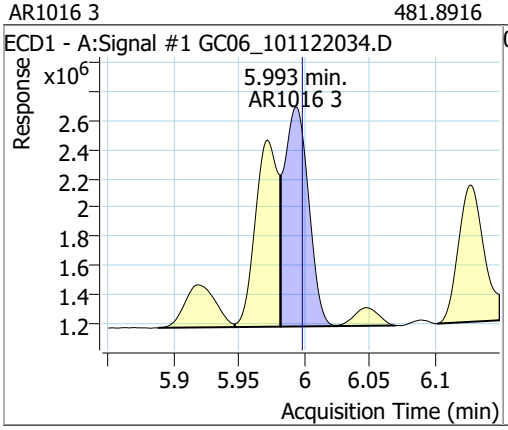
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	465.5142	5.60	0.00	8510408				

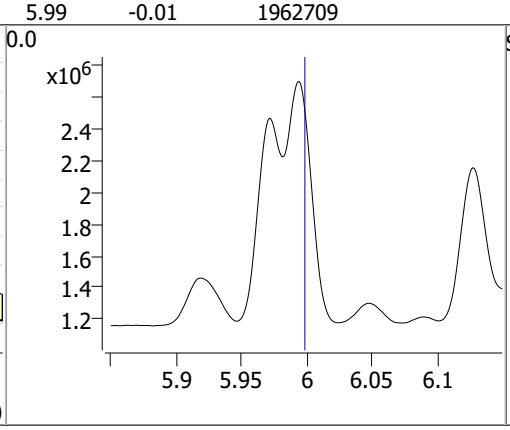


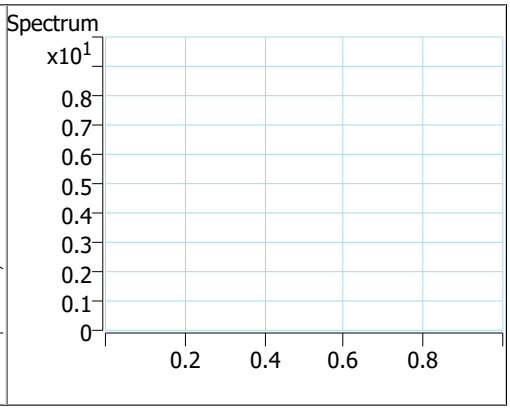




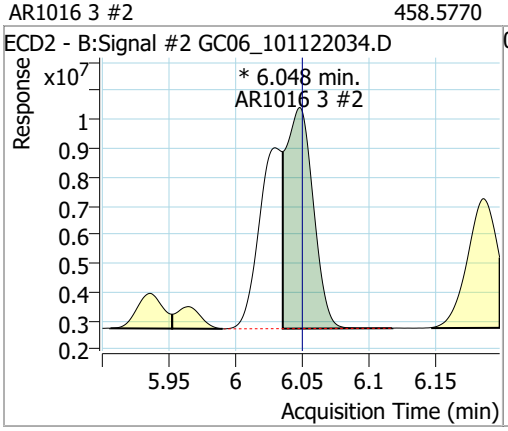
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	481.8916	5.99	-0.01	1962709				

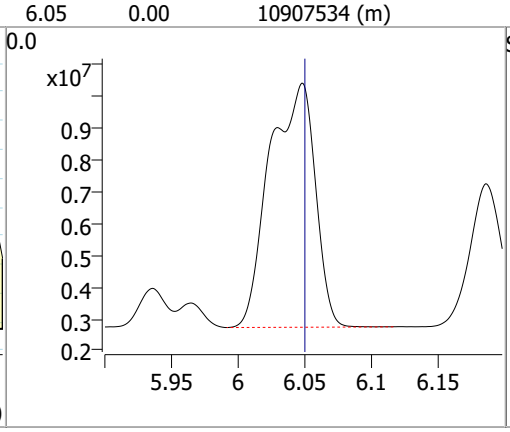


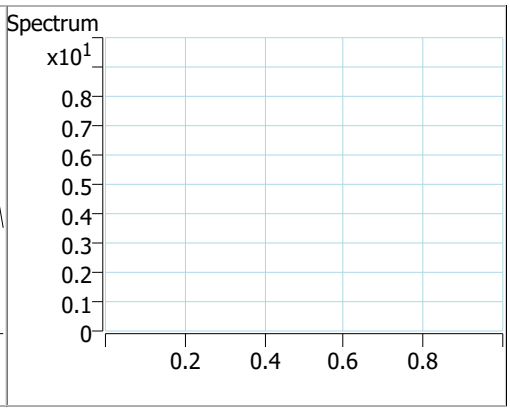




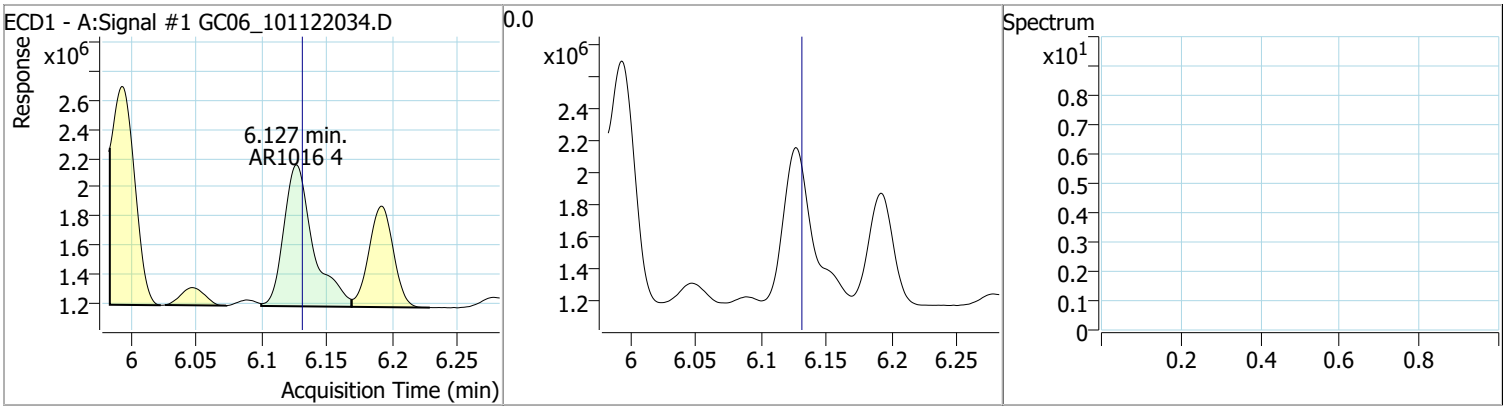
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	458.5770	6.05	0.00	10907534 (m)				



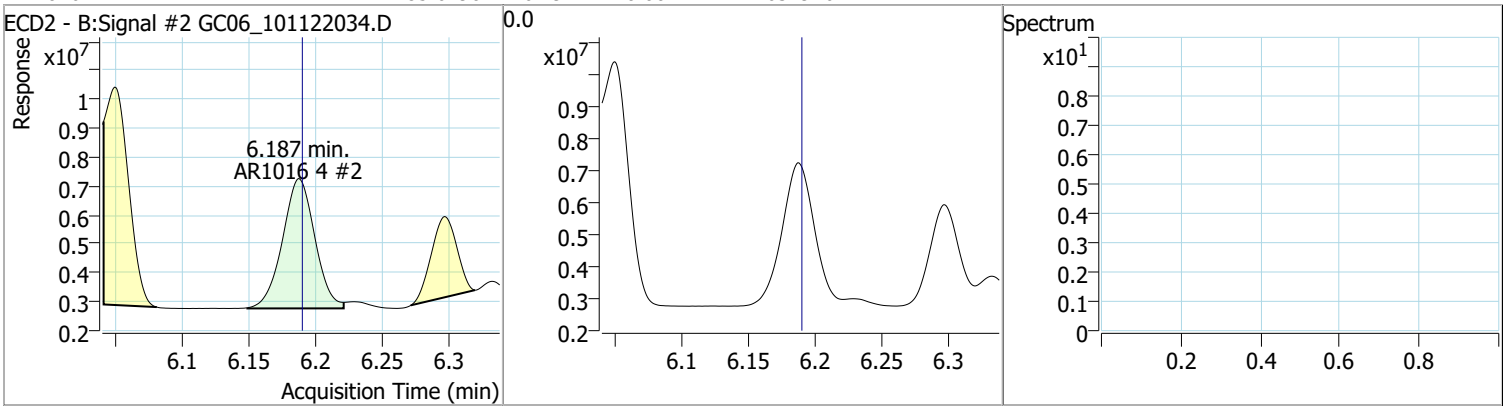




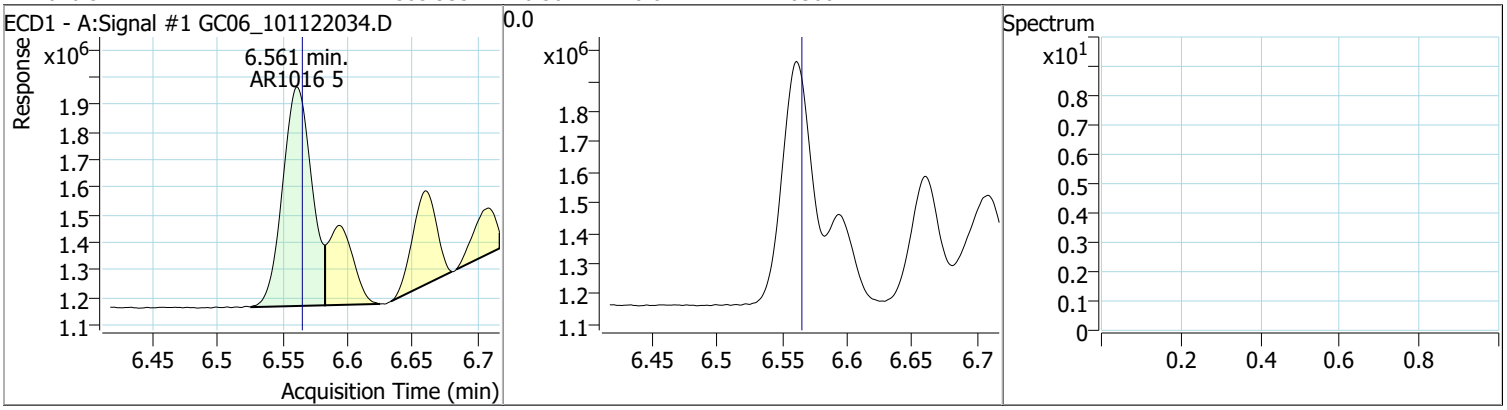
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	501.1184	6.13	-0.01	1536240				



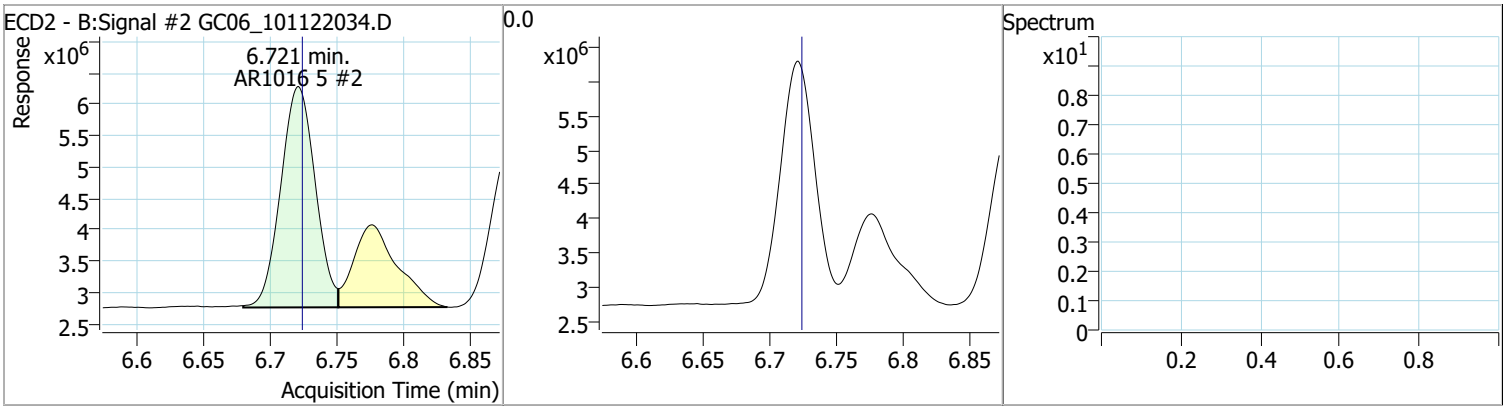
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	485.6790	6.19	0.00	7632916				



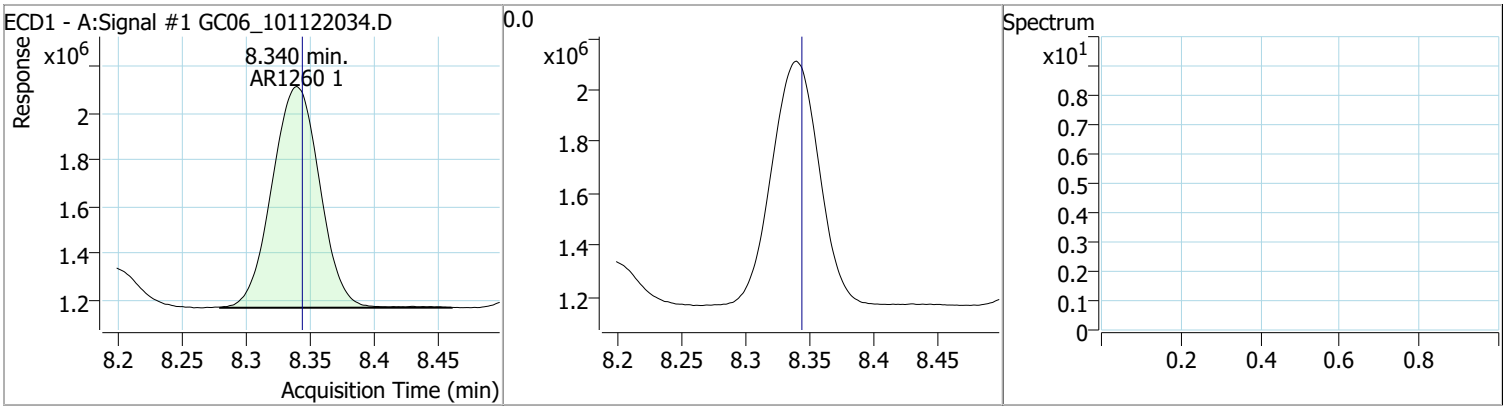
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	505.9352	6.56	-0.01	1240368				



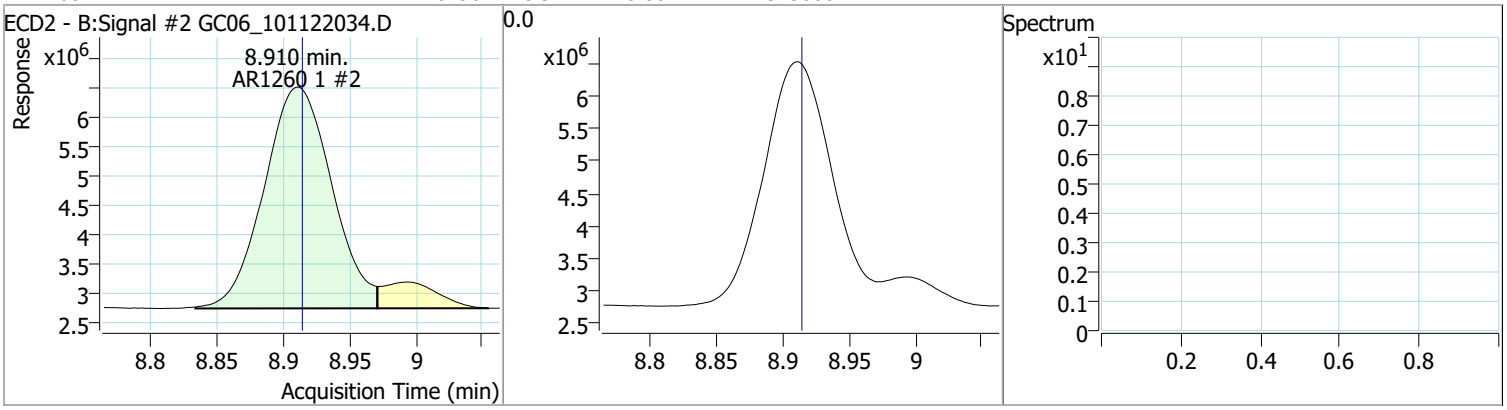
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	480.5891	6.72	0.00	6377100				



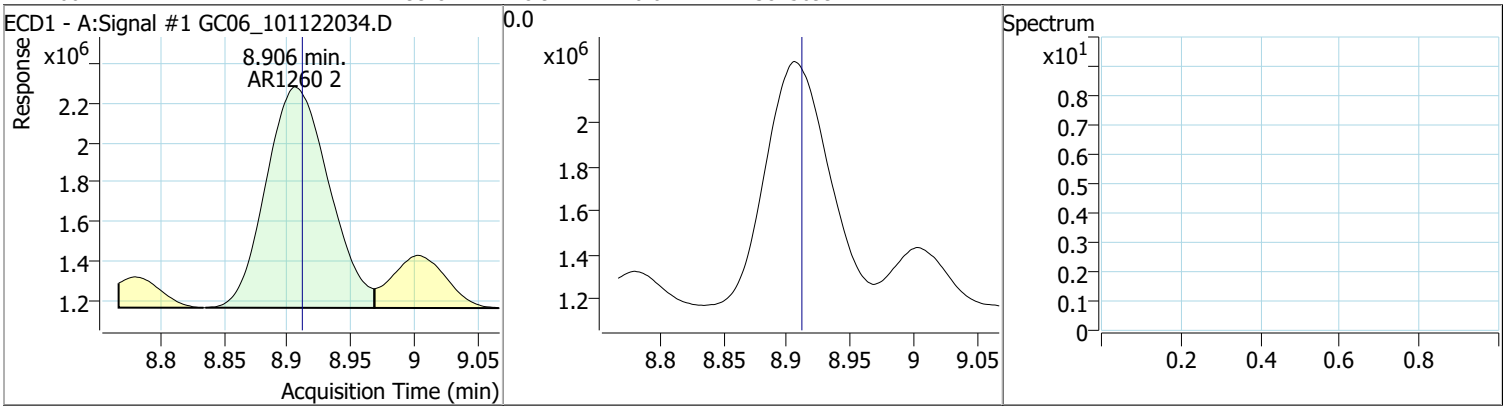
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	506.3358	8.34	-0.01	2456069				



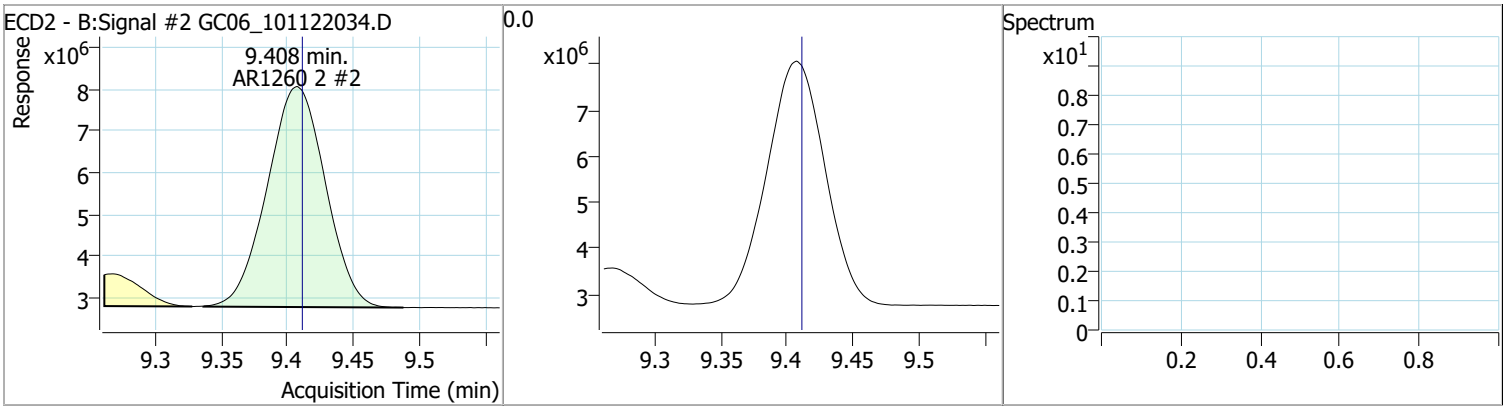
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	444.8190	8.91	0.00	13436662				



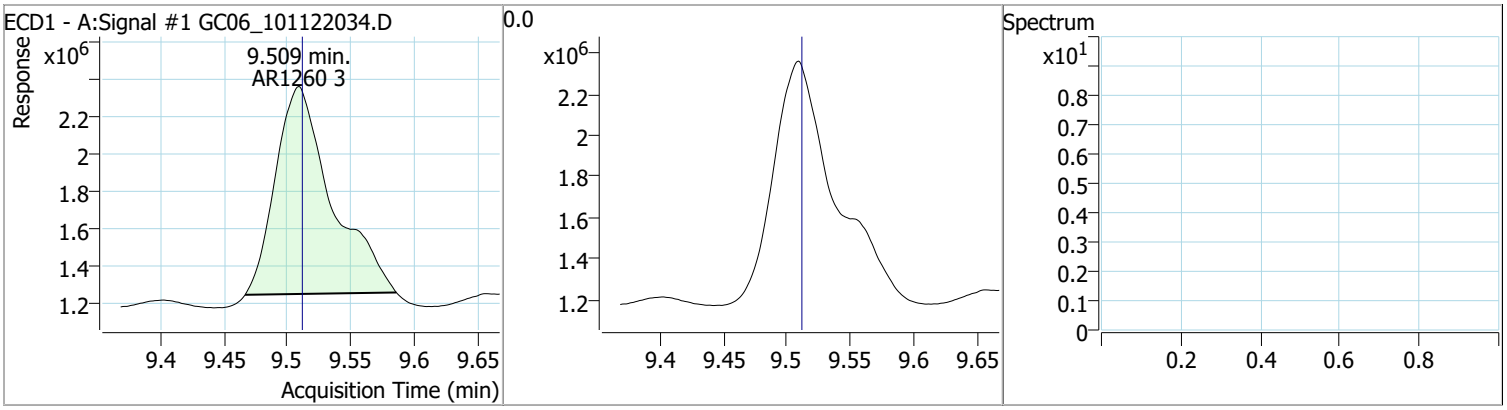
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	499.8472	8.91	-0.02	3825699				



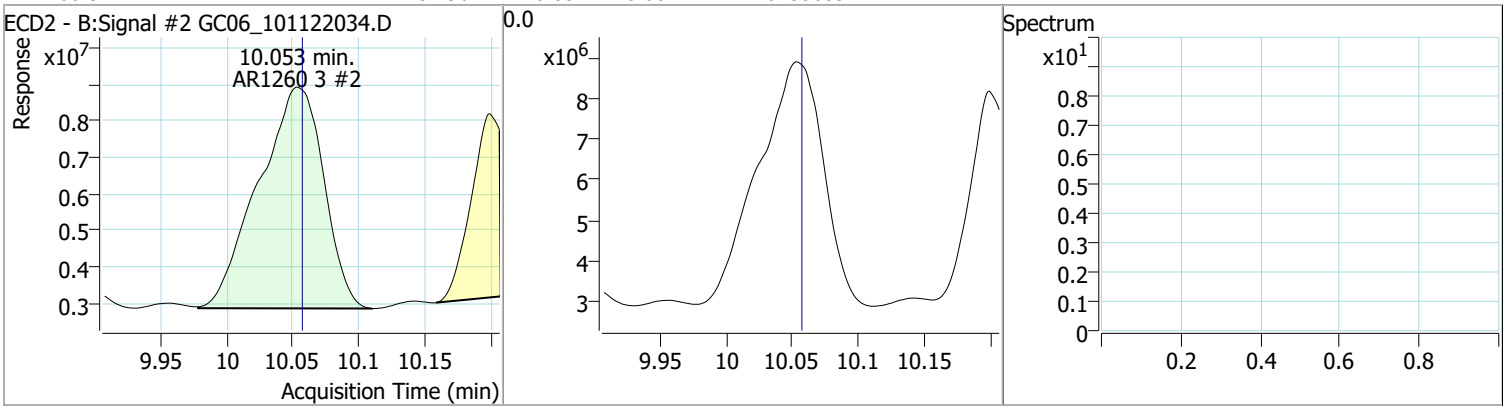
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	476.2659	9.41	0.00	16150640				



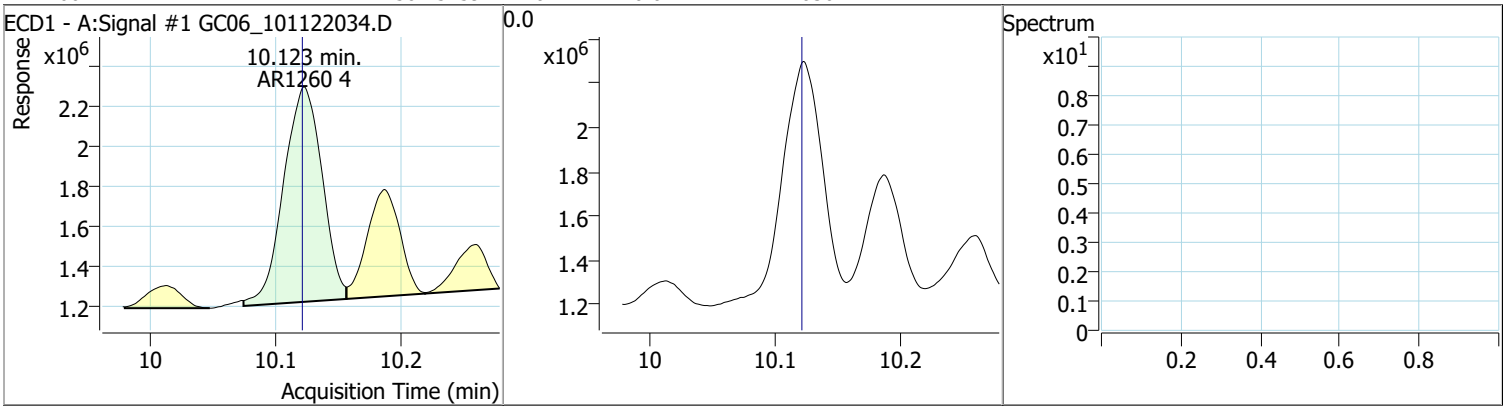
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	429.9562	9.51	-0.01	3445483				



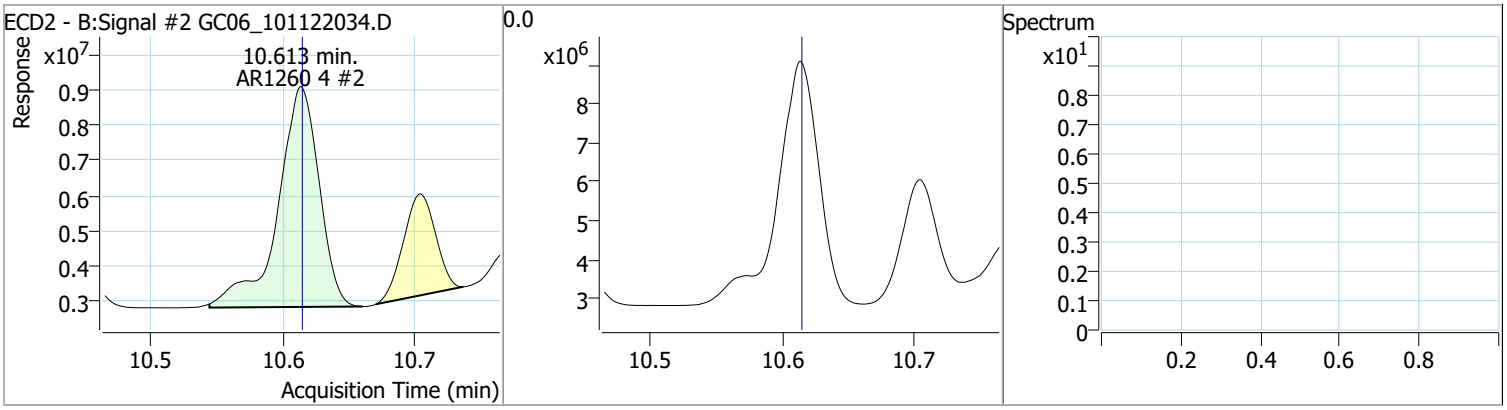
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	475.7902	10.05	0.00	20755659				



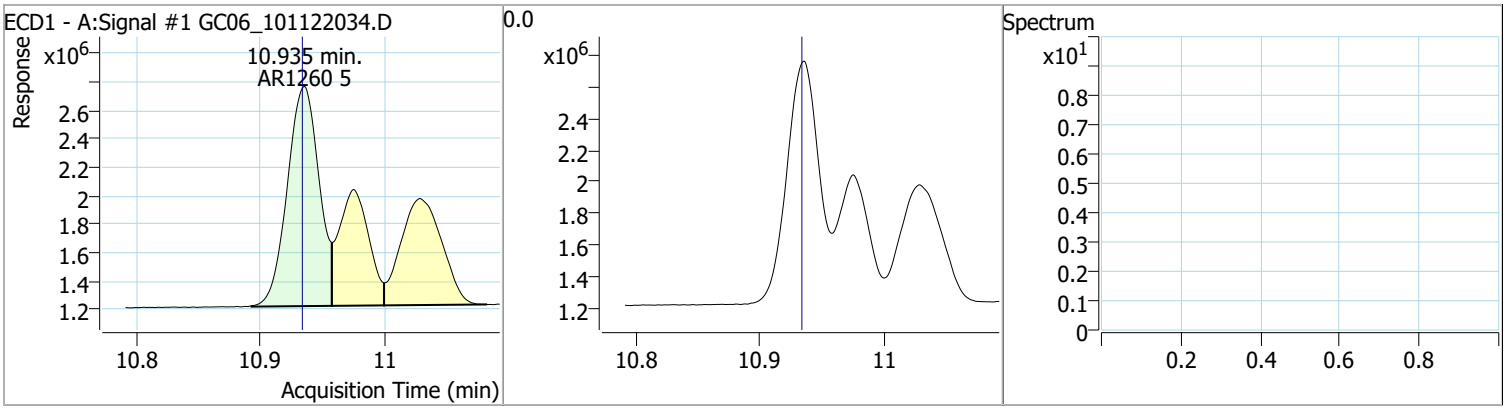
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	502.5759	10.12	-0.01	2272030				



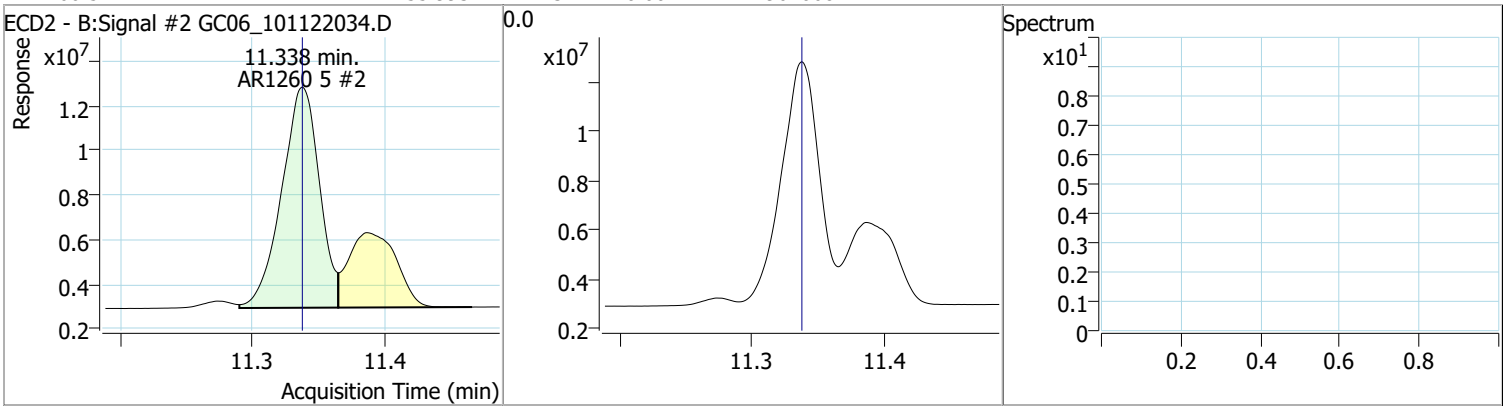
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	470.7840	10.61	0.00	13592313				



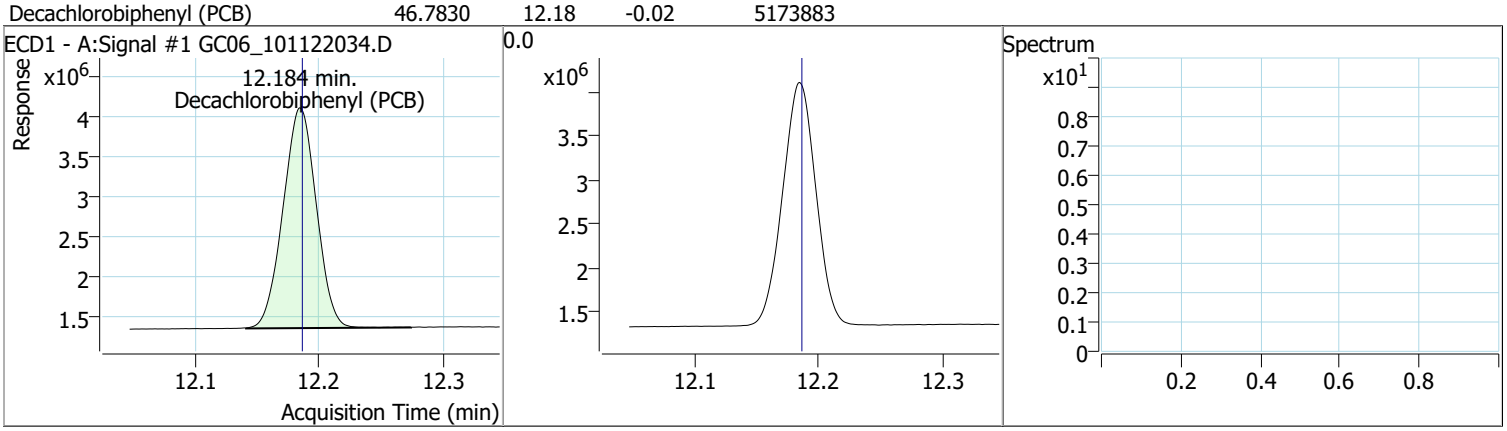
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	485.0698	10.94	-0.01	2715079				



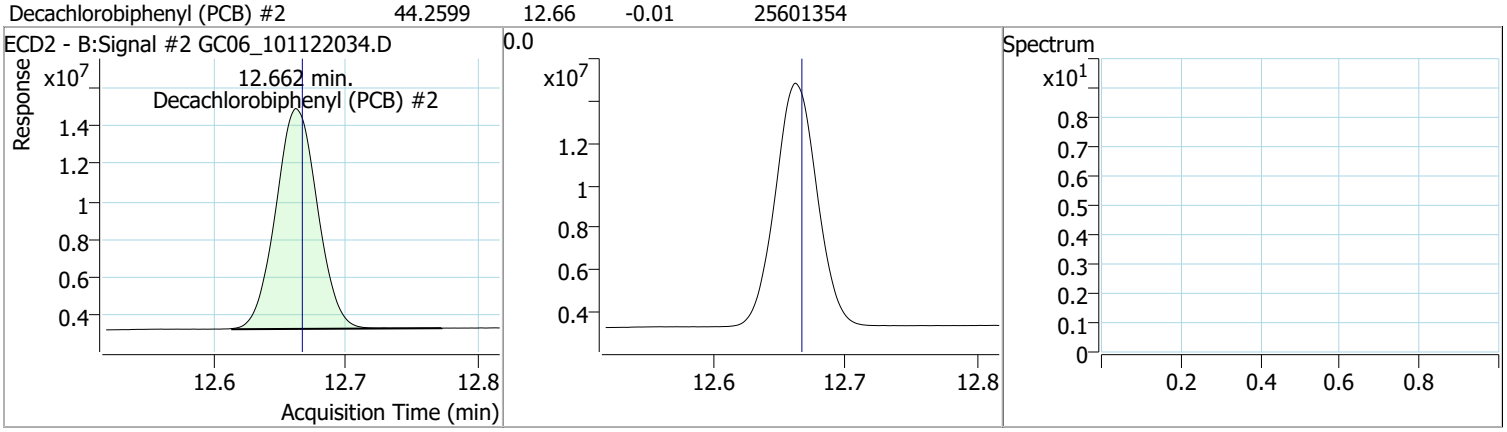
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	455.9932	11.34	0.00	19640687				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	46.7830	12.18	-0.02	5173883				

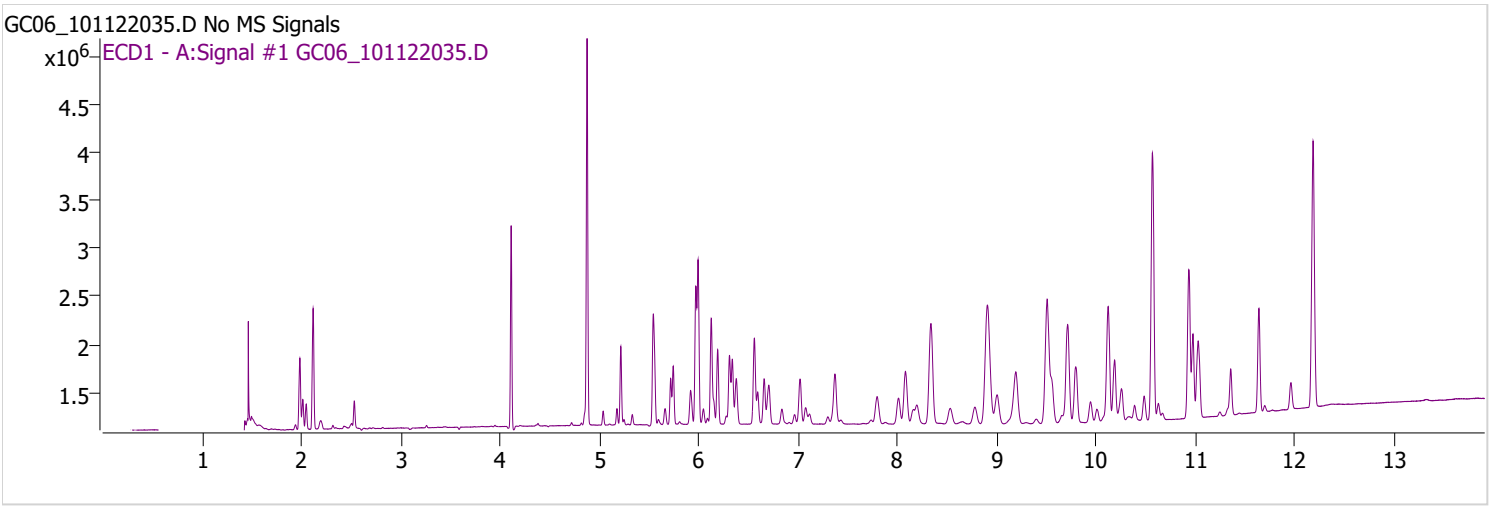


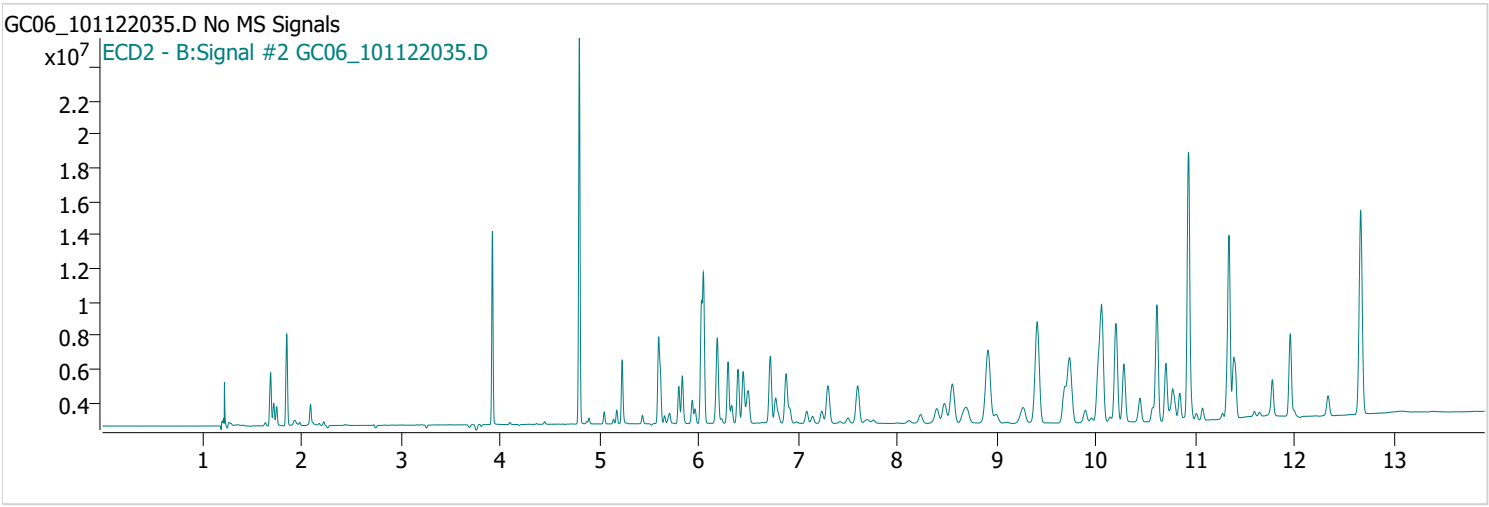
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	44.2599	12.66	-0.01	25601354				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101122035.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 12:12:23 AM
Sample Name	QC1017765, 298551, 1	Instrument	SVOA-GC06
Vial	23	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101122PCB.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



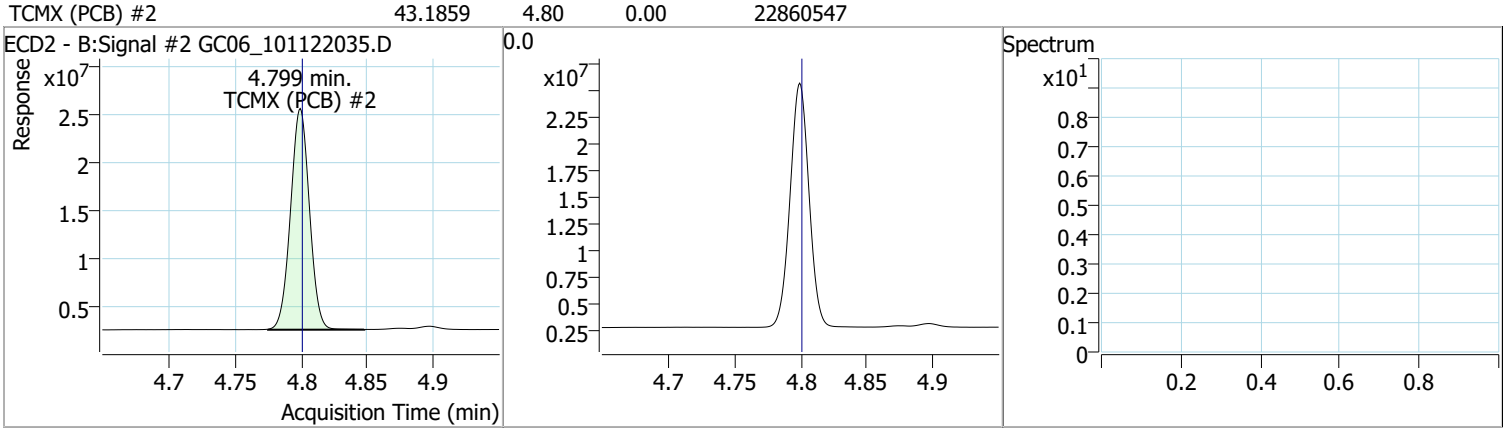


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.924	0.0	10813400.652	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.113	0.0	1982144.408	20.0000	ng/ml		-0.006
System Monitoring Compounds							
S TCMX (PCB) #2	4.799	0.0	22860546.982	43.1859	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 215.93%		*	
S TCMX (PCB)	4.877	0.0	4144964.398	43.9018	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.51%		*	
S Decachlorobiphenyl (PCB)	12.185	0.0	5276653.911	39.6917	ng/ml		-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.46%		*	
S Decachlorobiphenyl (PCB) #2	12.665	0.0	26688788.656	37.2078	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 186.04%		*	
Target Compounds							QValue

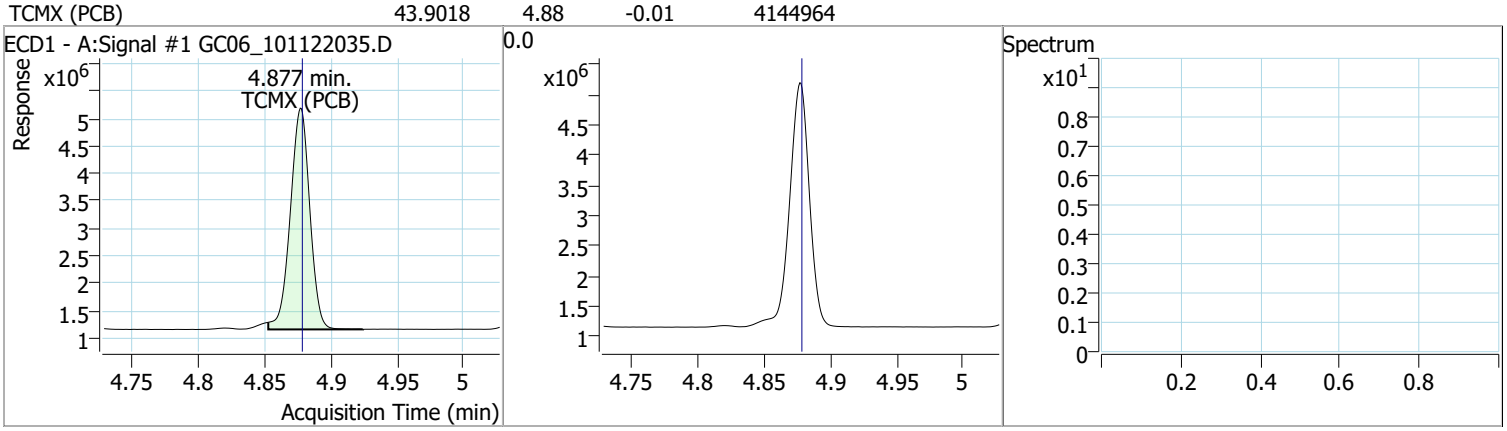
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.217	0.0	891425.843	458.7625	ng/ml		100
T AR1016 1 #2	5.230	0.0	4515519.211	415.4185	ng/ml		100
T AR1016 2	5.544	0.0	1924881.616	463.4545	ng/ml		100
T AR1016 2 #2	5.598	0.0	9790582.720	431.8656	ng/ml		100
T AR1016 3	5.994	0.0	2223297.145	454.1094	ng/ml		100
T AR1016 3 #2	6.048	0.0	13112116.381	444.5453	ng/ml	m	100
T AR1016 4	6.127	0.0	1736246.887	471.1535	ng/ml		100
T AR1016 4 #2	6.188	0.0	8781588.622	450.5982	ng/ml		100
T AR1016 5	6.561	0.0	1396140.263	473.7433	ng/ml		100
T AR1016 5 #2	6.722	0.0	7288809.635	442.9603	ng/ml		100
T AR1260 1	8.338	0.0	2729978.019	468.1950	ng/ml		100
T AR1260 1 #2	8.913	0.0	15203642.216	405.8795	ng/ml		100
T AR1260 2	8.907	0.0	4212563.176	457.8703	ng/ml		100
T AR1260 2 #2	9.408	0.0	18104262.868	430.5247	ng/ml		100
T AR1260 3	9.508	0.0	4432509.325	460.1435	ng/ml		100
T AR1260 3 #2	10.056	0.0	23416192.655	432.8653	ng/ml		100
T AR1260 4	10.123	0.0	2480611.732	456.4740	ng/ml		100
T AR1260 4 #2	10.613	0.0	15233491.345	425.4860	ng/ml		100
T AR1260 5	10.934	0.0	2911300.423	432.6916	ng/ml		100
T AR1260 5 #2	11.339	0.0	21516896.254	402.8458	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

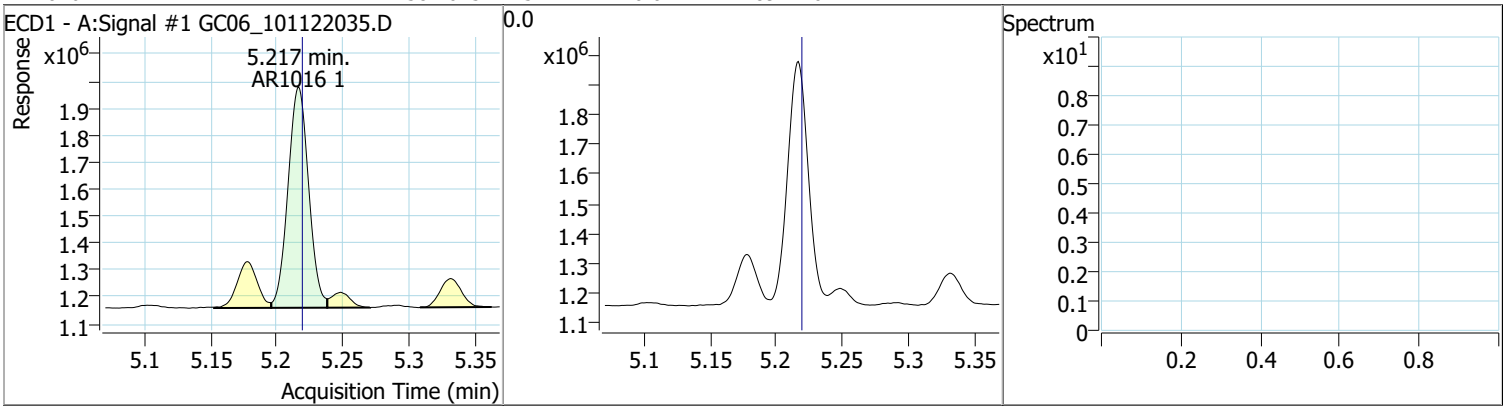
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.1859	4.80	0.00	22860547				



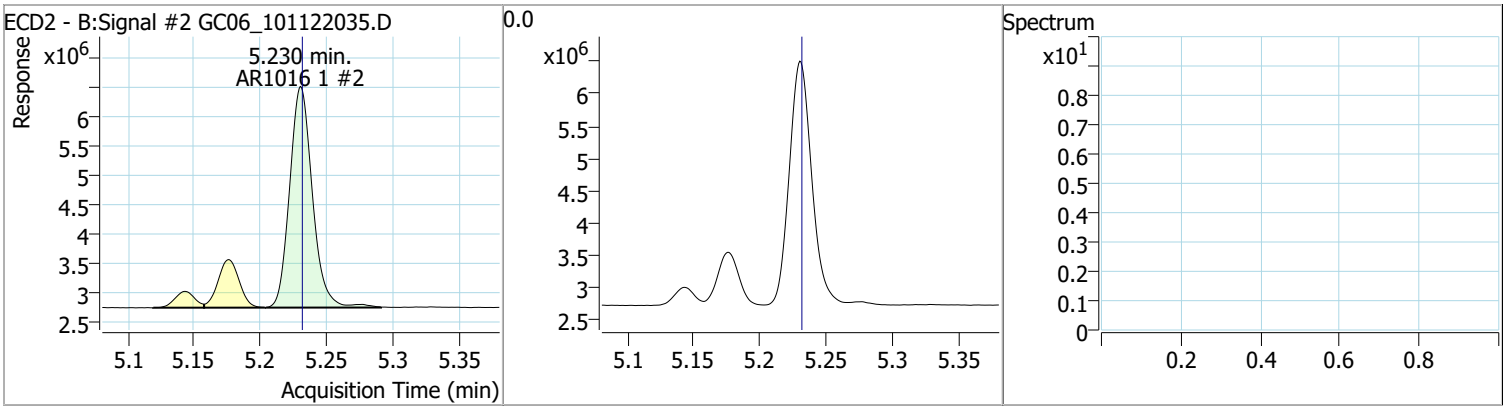
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.9018	4.88	-0.01	4144964				



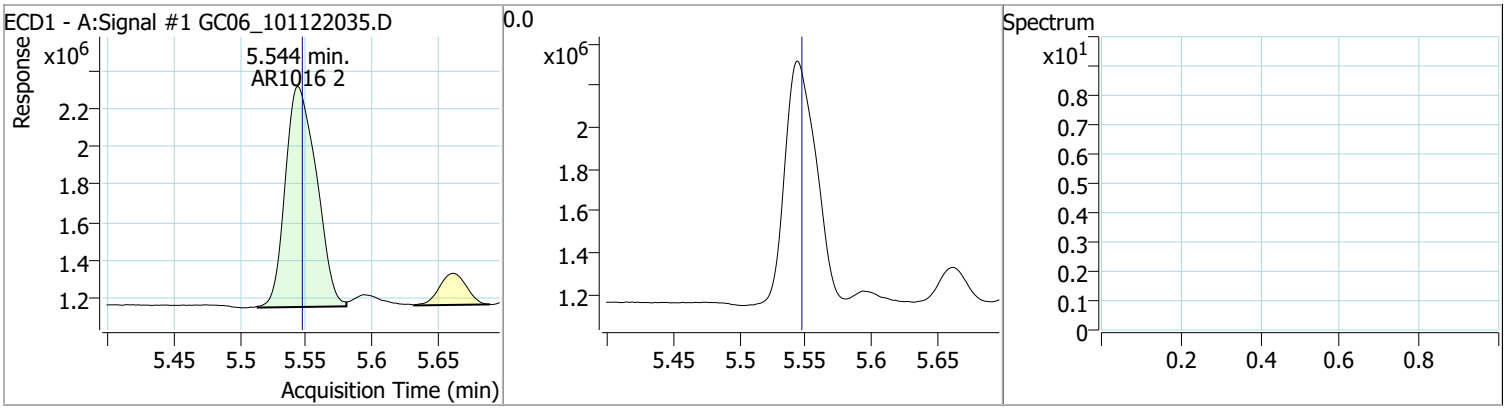
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	458.7625	5.22	-0.01	891426				



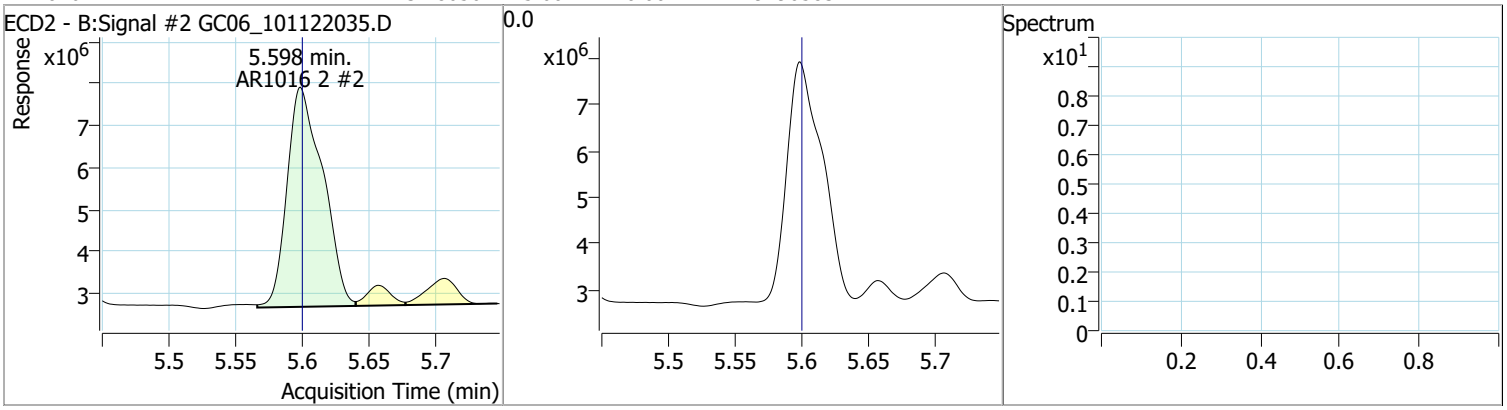
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	415.4185	5.23	0.00	4515519				



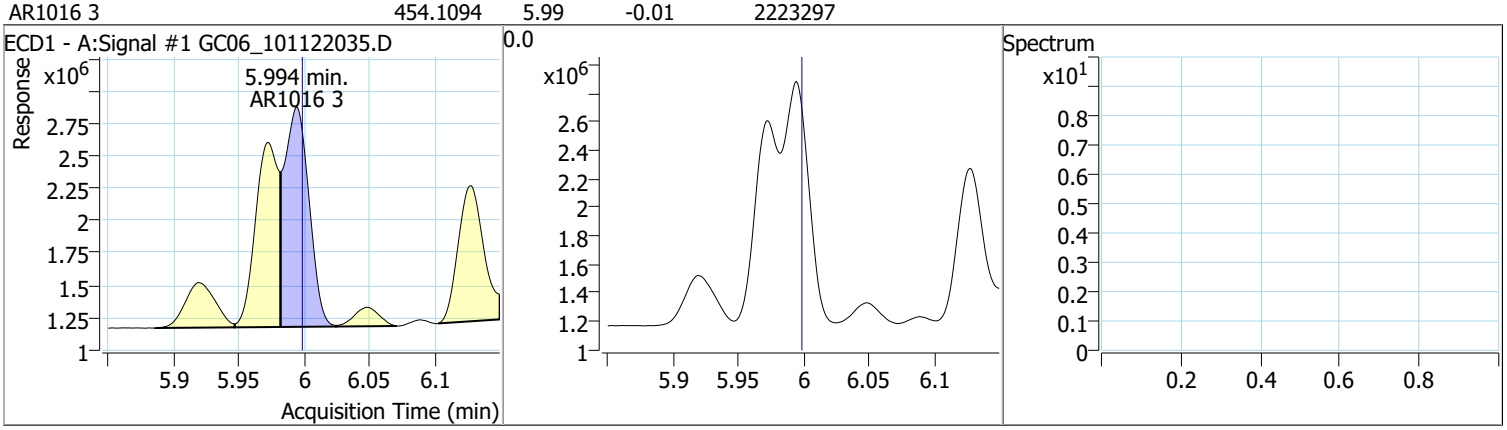
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	463.4545	5.54	-0.01	1924882				



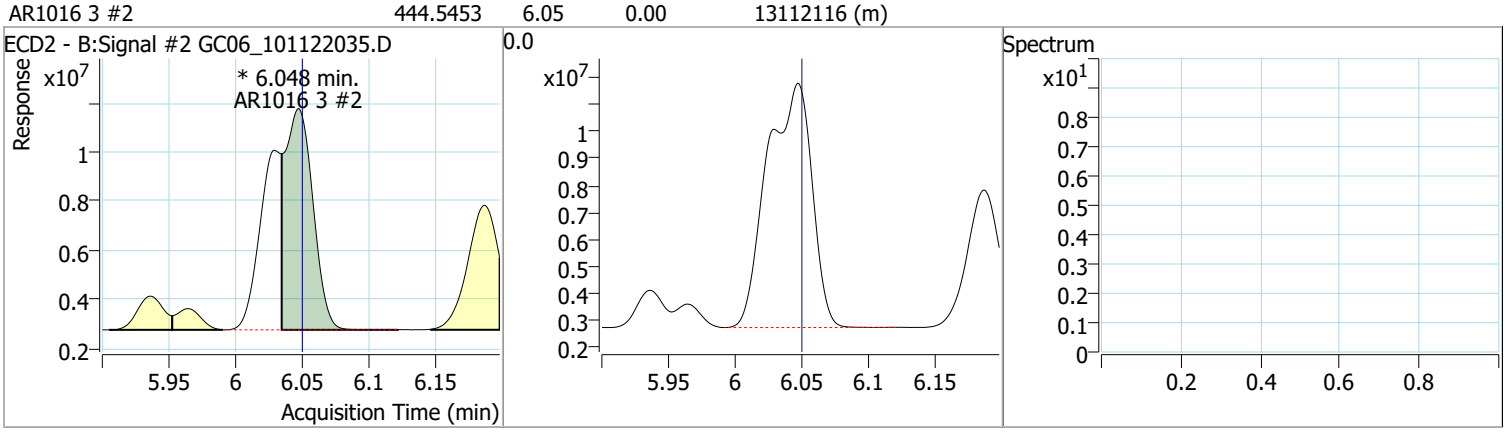
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	431.8656	5.60	0.00	9790583				



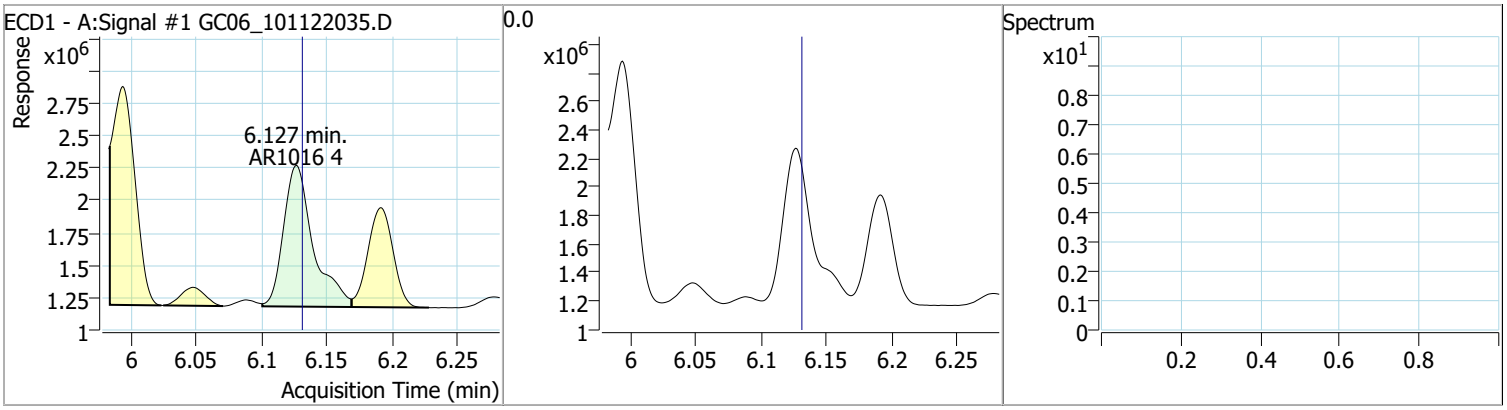
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	454.1094	5.99	-0.01	2223297				



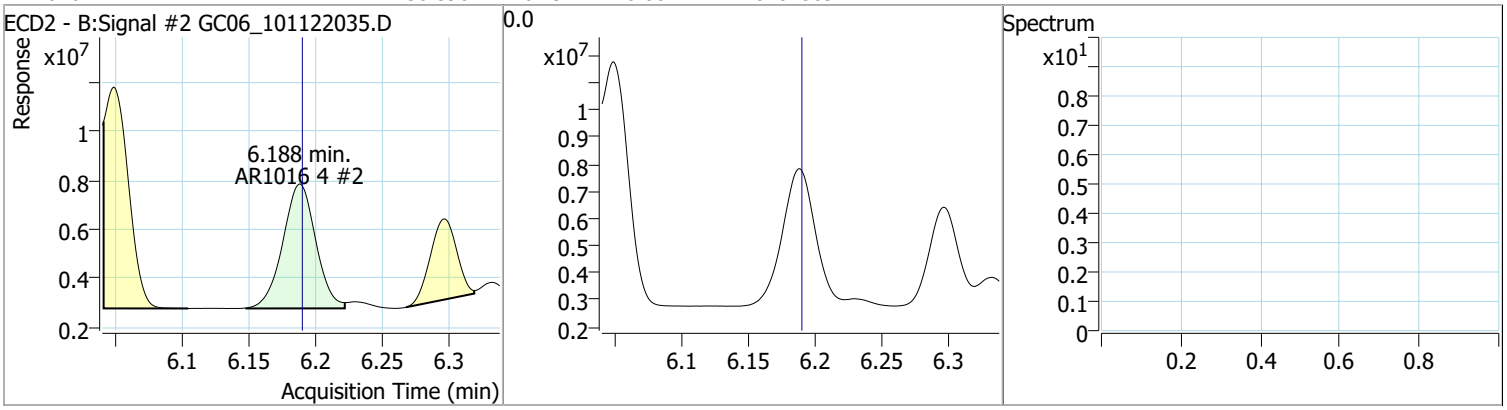
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	444.5453	6.05	0.00	13112116 (m)				



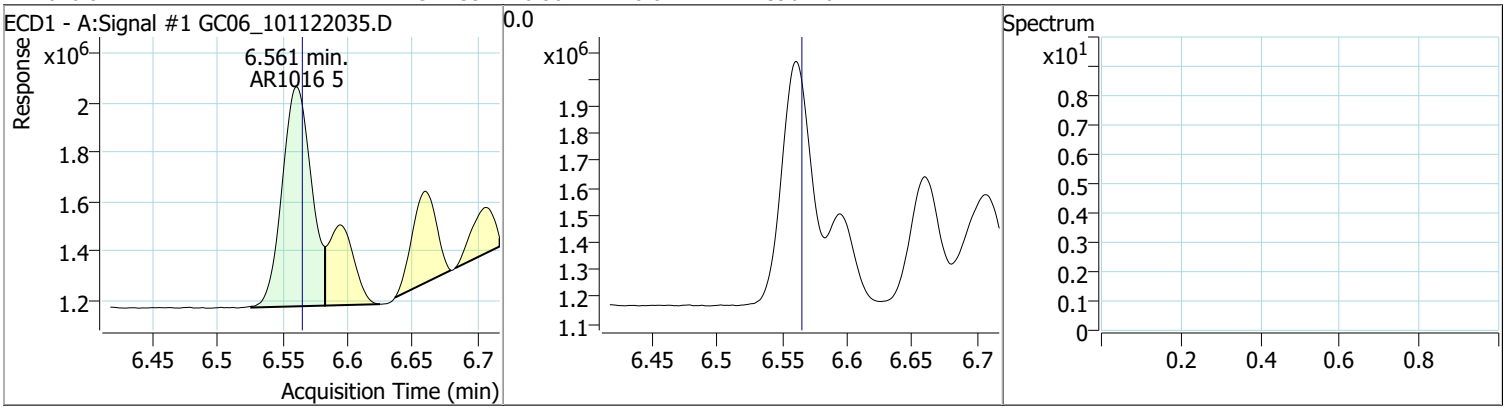
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	471.1535	6.13	-0.01	1736247				



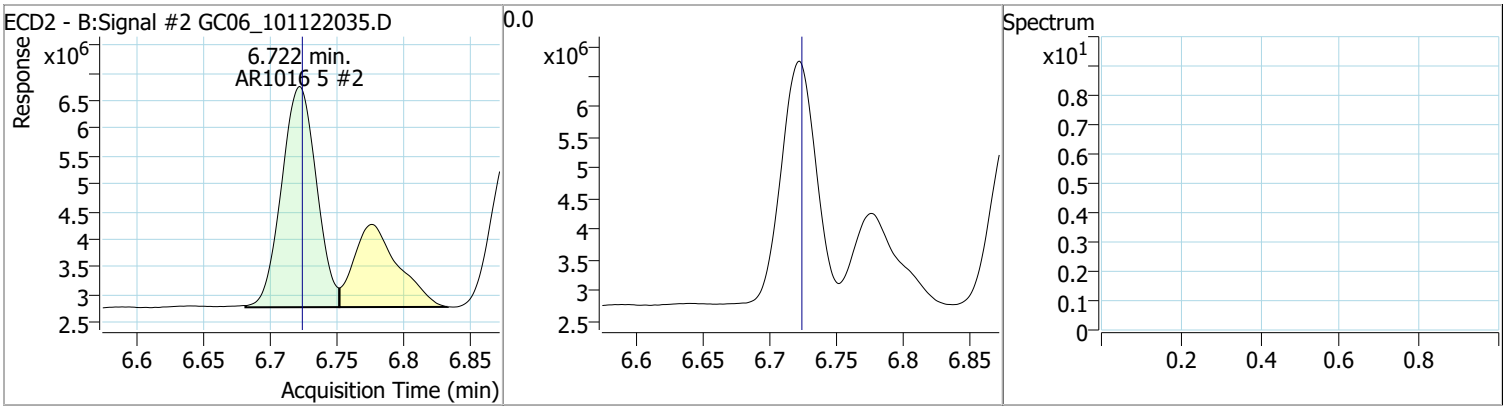
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	450.5982	6.19	0.00	8781589				



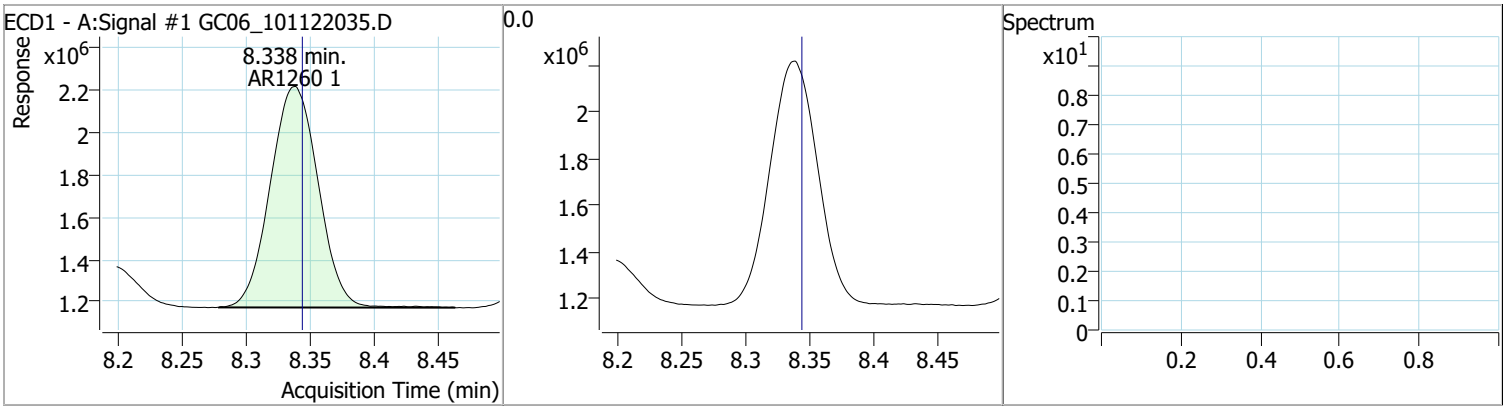
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	473.7433	6.56	-0.01	1396140				



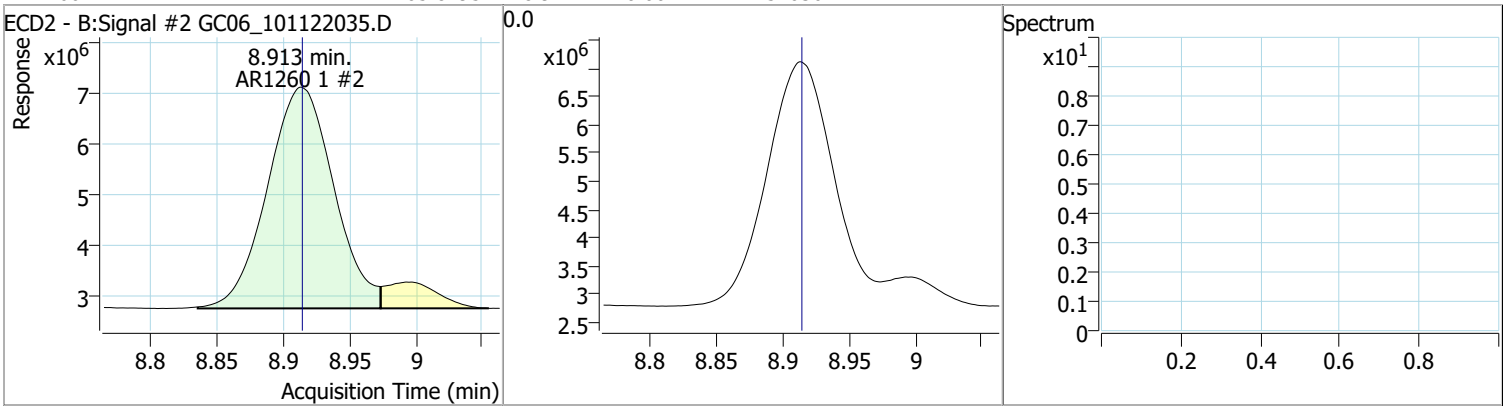
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	442.9603	6.72	0.00	7288810				



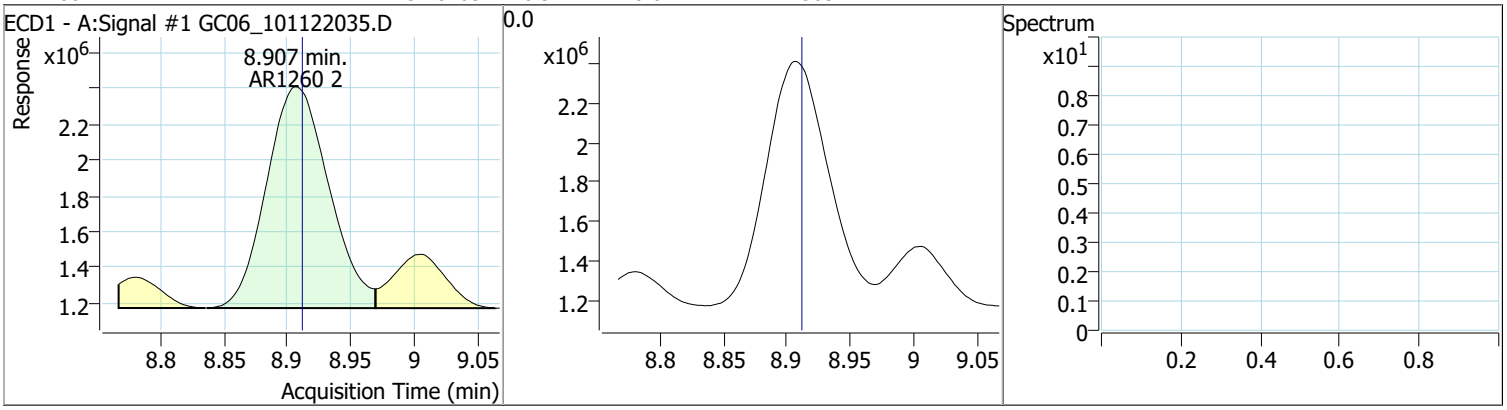
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	468.1950	8.34	-0.02	2729978				



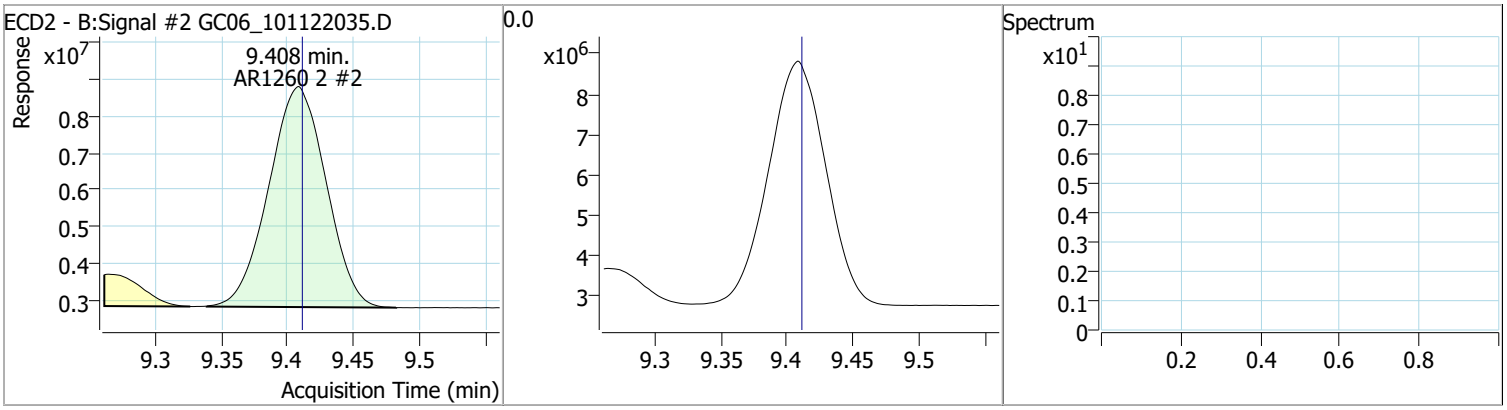
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	405.8795	8.91	0.00	15203642				



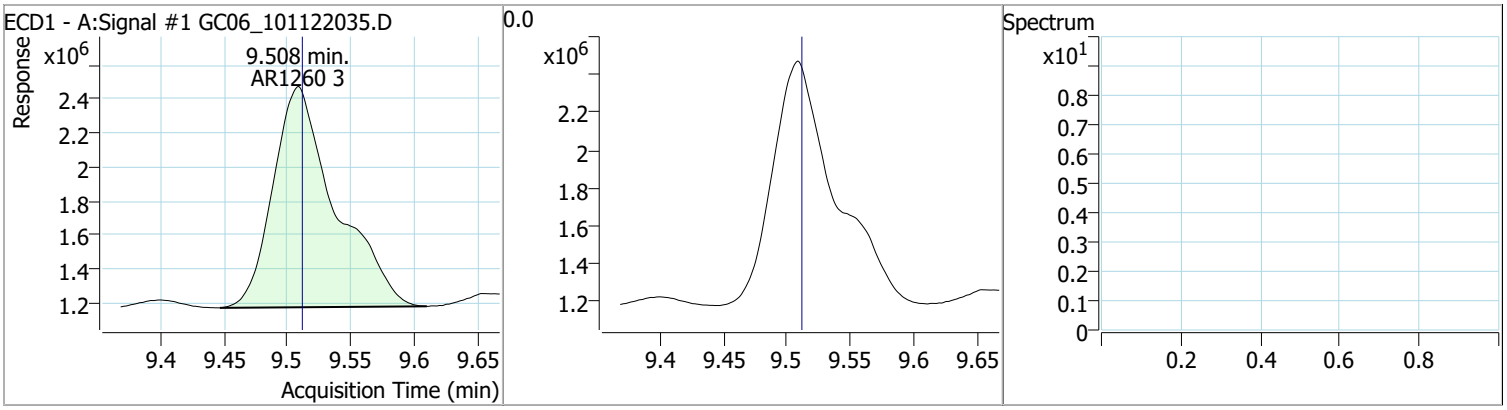
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	457.8703	8.91	-0.02	4212563				



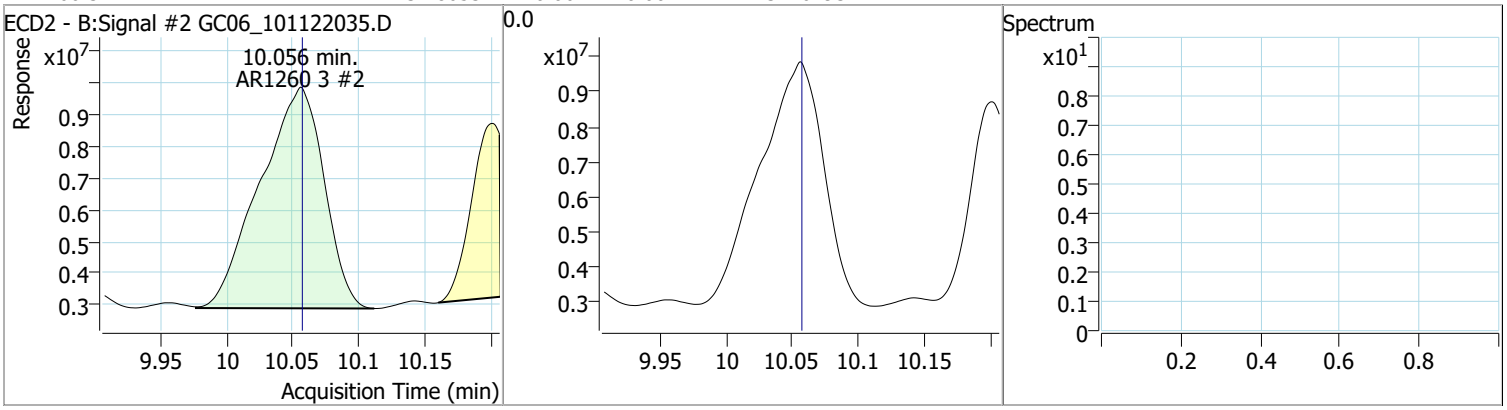
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	430.5247	9.41	0.00	18104263				



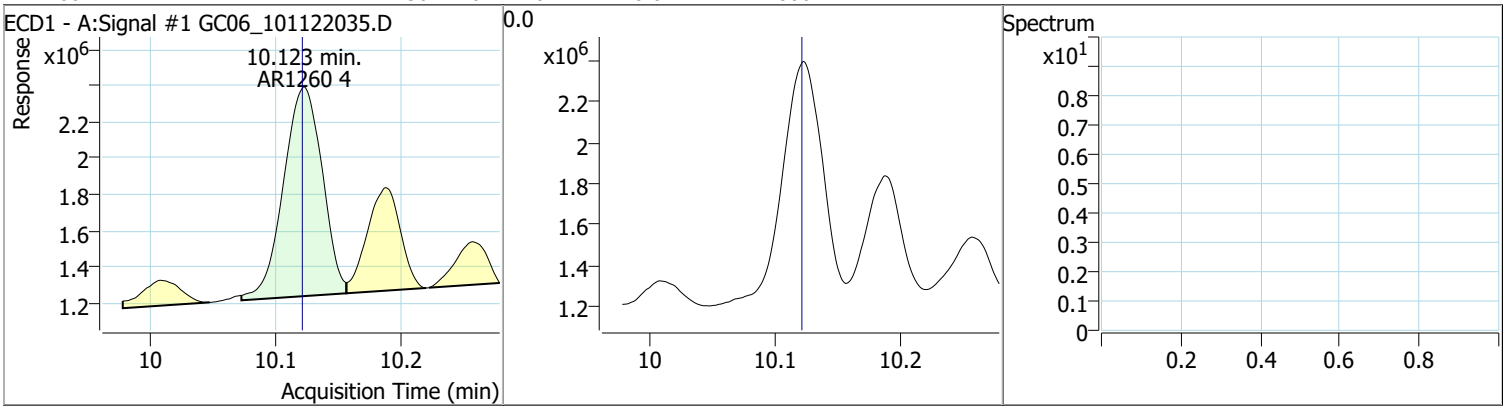
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	460.1435	9.51	-0.02	4432509				



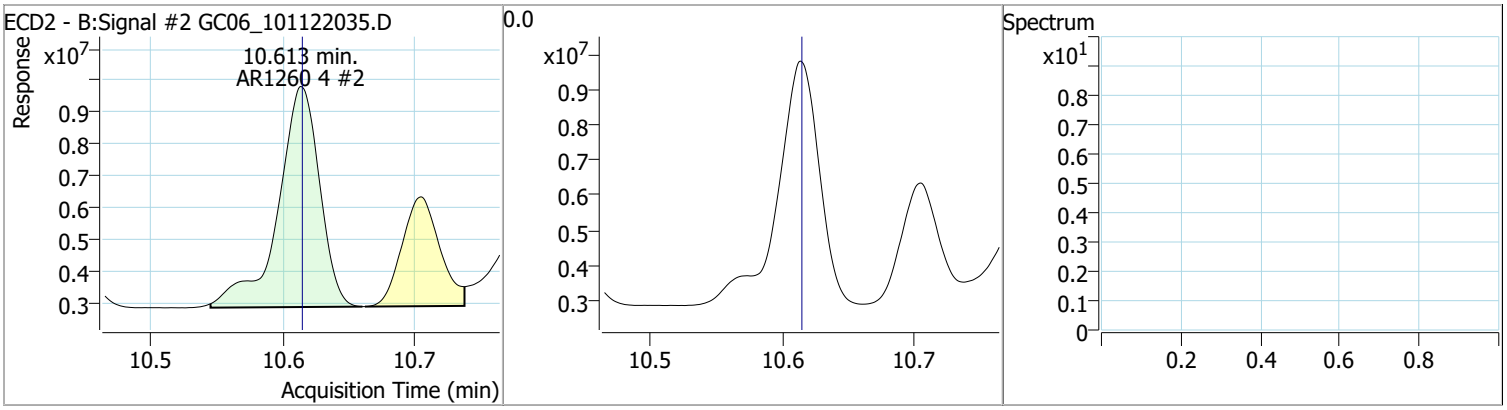
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	432.8653	10.06	0.00	23416193				



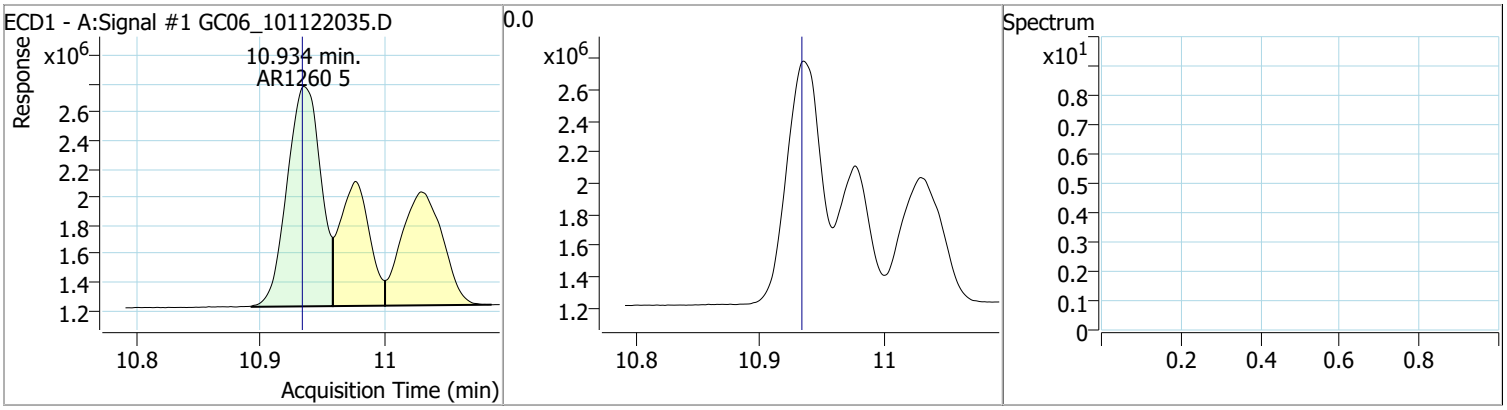
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	456.4740	10.12	-0.01	2480612				



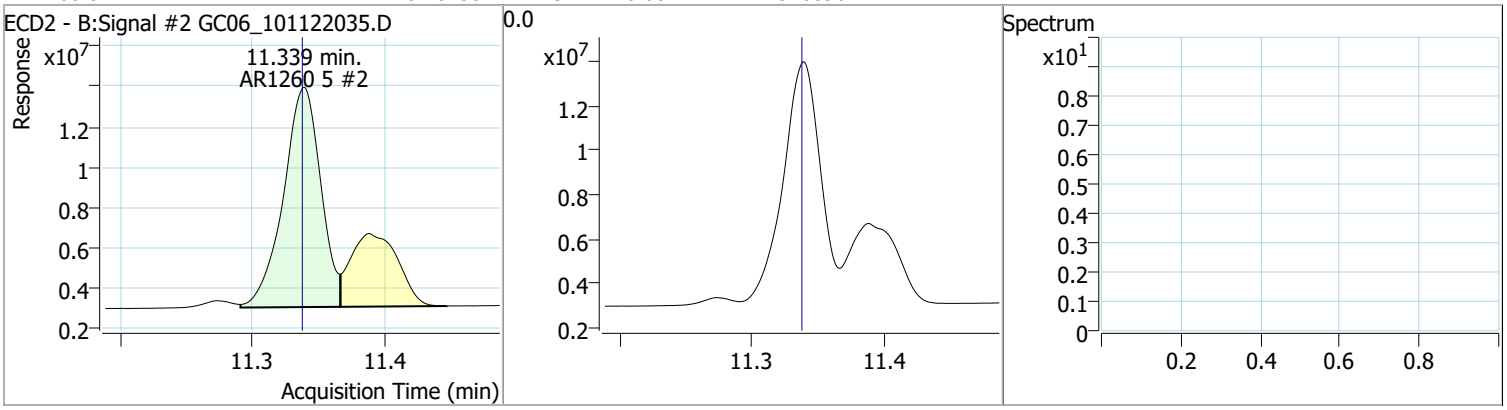
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	425.4860	10.61	0.00	15233491				



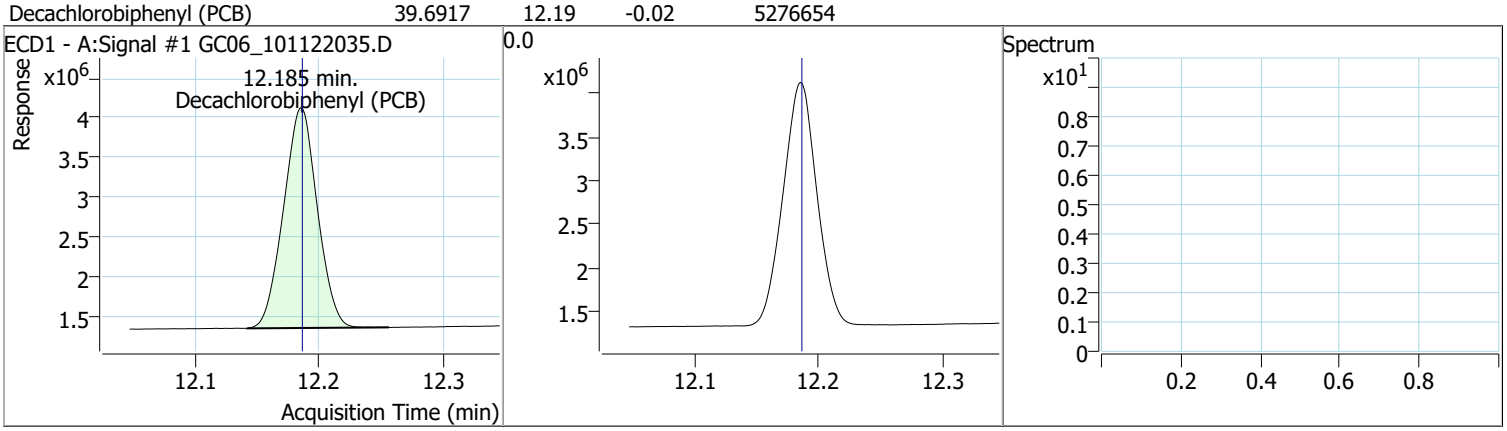
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	432.6916	10.93	-0.01	2911300				



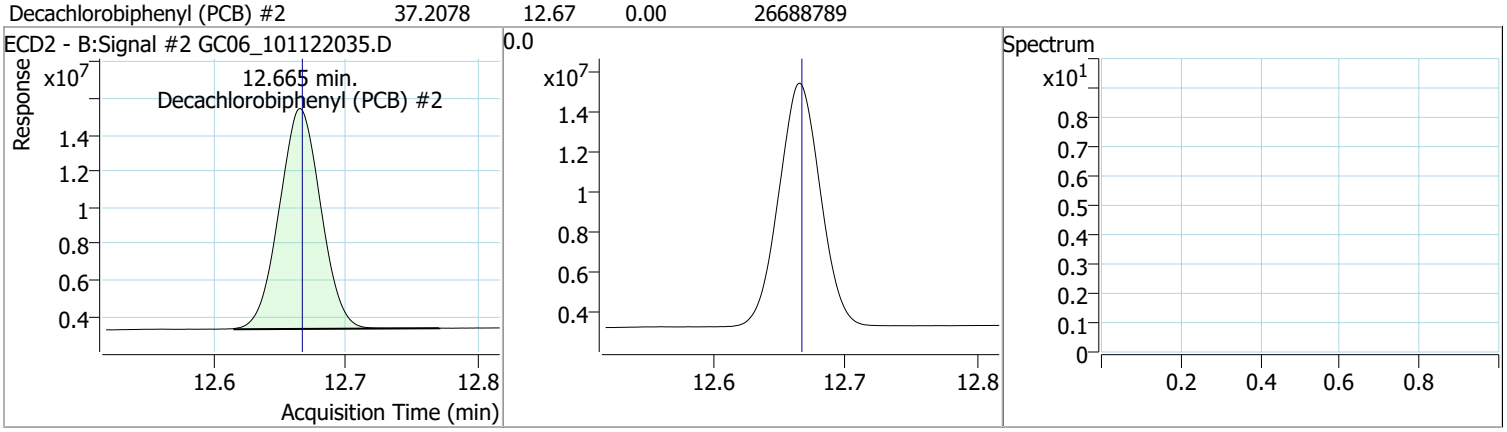
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	402.8458	11.34	0.00	21516896				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.6917	12.19	-0.02	5276654				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.2078	12.67	0.00	26688789				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 470417 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_091322017	452369928017		14-SEP-2022 00:39	S17263
L2	gc06_091322018	452369928018		14-SEP-2022 00:57	S17264
L3	gc06_091322019	452369928019		14-SEP-2022 01:14	S17265
L4	gc06_091322020	452369928020		14-SEP-2022 01:31	S17266
L5	gc06_091322021	452369928021		14-SEP-2022 01:49	S17267
L6	gc06_091322022	452369928022		14-SEP-2022 02:06	S17268
L7	gc06_091322023	452369928023		14-SEP-2022 02:23	S17269
L8	gc06_091322024	452369928024		14-SEP-2022 02:41	S17270
L9	gc06_091322025	452369928025		14-SEP-2022 02:58	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		51.0038		0.0196	13	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.8618		0.0419	15	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.2424		0.0494	12	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.8937		0.0372	13	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		33.6290		0.0297	13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.9968		0.0588	15	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.7720		0.0928	17	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		10.2883		0.0972	13	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		18.2372		0.0548	12	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		14.7296		0.0679	11	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.74549		1.3414	13	9	.99	20	
TCMX (PCB)	A	AVRG		1.04969		0.9527	7	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.7399		0.0201	15	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		23.8488		0.0419	14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.3303		0.0546	12	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		27.7423		0.0360	10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		32.8575		0.0304	10	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		14.4336		0.0693	13	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		12.8571		0.0778	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		9.99455		0.1001	11	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		15.1012		0.0662	11	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		10.1225		0.0988	12	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.75376		1.3267	15	9	.99	20	
TCMX (PCB)	B	AVRG		1.02137		0.9791	5	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 470417 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0248	0.0210	0.0210	0.0192	0.0198	0.0184	0.0182	0.0174	0.0165
Aroclor-1016 Peak # 2	A	0.0547	0.0466	0.0451	0.0412	0.0423	0.0388	0.0378	0.0365	0.0344
Aroclor-1016 Peak # 3	A	0.0628	0.0532	0.0516	0.0474	0.0495	0.0450	0.0453	0.0453	0.0445
Aroclor-1016 Peak # 4	A	0.0479	0.0404	0.0394	0.0359	0.0376	0.0343	0.0342	0.0334	0.0315
Aroclor-1016 Peak # 5	A	0.0379	0.0318	0.0317	0.0284	0.0304	0.0276	0.0277	0.0268	0.0253
Aroclor-1260 Peak # 1	A	0.0776	0.0627	0.0640	0.0568	0.0620	0.0533	0.0535	0.0515	0.0481
Aroclor-1260 Peak # 2	A	0.1164	0.1187	0.0974	0.0873	0.0961	0.0827	0.0820	0.0807	0.0743
Aroclor-1260 Peak # 3	A	0.1261	0.1013	0.1012	0.0927	0.1016	0.0898	0.0897	0.0892	0.0830
Aroclor-1260 Peak # 4	A	0.0677	0.0578	0.0593	0.0523	0.0597	0.0504	0.0501	0.0501	0.0460
Aroclor-1260 Peak # 5	A	0.0821	0.0693	0.0718	0.0650	0.0743	0.0629	0.0625	0.0639	0.0592
Decachlorobiphenyl (PCB)	A	1.6738	1.4539	1.4576	1.2778	1.4297	1.2363	1.1981	1.2116	1.1338
TCMX (PCB)	A	1.1108	0.9412	0.9502	0.8996	0.9519	0.9126	0.9227	0.9512	0.9339
Aroclor-1016 Peak # 1	B	0.0267	0.0218	0.0210	0.0196	0.0204	0.0189	0.0185	0.0175	0.0166
Aroclor-1016 Peak # 2	B	0.0538	0.0454	0.0456	0.0417	0.0419	0.0391	0.0383	0.0369	0.0348
Aroclor-1016 Peak # 3	B	0.0684	0.0563	0.0607	0.0520	0.0536	0.0512	0.0498	0.0520	0.0469
Aroclor-1016 Peak # 4	B	0.0439	0.0364	0.0385	0.0358	0.0367	0.0343	0.0338	0.0334	0.0316
Aroclor-1016 Peak # 5	B	0.0369	0.0320	0.0323	0.0302	0.0313	0.0288	0.0284	0.0279	0.0263
Aroclor-1260 Peak # 1	B	0.0893	0.0737	0.0720	0.0677	0.0726	0.0647	0.0633	0.0624	0.0579
Aroclor-1260 Peak # 2	B	0.1010	0.0852	0.0852	0.0746	0.0800	0.0719	0.0699	0.0682	0.0642
Aroclor-1260 Peak # 3	B	0.1221	0.1035	0.1070	0.0961	0.1064	0.0938	0.0919	0.0929	0.0868
Aroclor-1260 Peak # 4	B	0.0800	0.0692	0.0700	0.0623	0.0721	0.0627	0.0613	0.0615	0.0569
Aroclor-1260 Peak # 5	B	0.1205	0.1060	0.1058	0.0940	0.1065	0.0916	0.0894	0.0909	0.0844
Decachlorobiphenyl (PCB)	B	1.7059	1.4991	1.4323	1.2655	1.3995	1.2350	1.1599	1.1578	1.0852
TCMX (PCB)	B	1.1034	0.9559	0.9540	0.9180	0.9904	0.9622	0.9739	0.9921	0.9618

ENTHALPY INITIAL CALIBRATION FOR 470417 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**27**	50.000	7	100.00	7	250.00	-2	500.00	1	749.91	-6	1000.0	-7	1500.0	-11
Aroclor-1016 Peak # 2	A	20.000	**30**	50.000	11	100.00	8	250.00	-2	500.00	1	749.91	-7	1000.0	-10	1500.0	-13
Aroclor-1016 Peak # 3	A	20.000	**27**	50.000	8	100.00	4	250.00	-4	500.00	0	749.91	-9	1000.0	-8	1500.0	-8
Aroclor-1016 Peak # 4	A	20.000	**29**	50.000	9	100.00	6	250.00	-4	500.00	1	749.91	-8	1000.0	-8	1500.0	-10
Aroclor-1016 Peak # 5	A	20.000	**28**	50.000	7	100.00	6	250.00	-5	500.00	2	749.91	-7	1000.0	-7	1500.0	-10
Aroclor-1260 Peak # 1	A	20.000	**32**	50.000	7	100.00	9	250.00	-3	500.00	5	749.91	-9	1000.0	-9	1500.0	-13
Aroclor-1260 Peak # 2	A	20.000	**25**	50.000	**28**	100.00	5	250.00	-6	500.00	3	749.91	-11	1000.0	-12	1500.0	-13
Aroclor-1260 Peak # 3	A	20.000	**30**	50.000	4	100.00	4	250.00	-5	500.00	5	749.91	-8	1000.0	-8	1500.0	-8
Aroclor-1260 Peak # 4	A	20.000	**23**	50.000	5	100.00	8	250.00	-5	500.00	9	749.91	-8	1000.0	-9	1500.0	-9
Aroclor-1260 Peak # 5	A	20.000	**21**	50.000	2	100.00	6	250.00	-4	500.00	9	749.91	-7	1000.0	-8	1500.0	-6
Decachlorobiphenyl (PCB)	A	1.6000	**25**	4.0000	8	8.0000	9	20.000	-5	40.000	7	59.993	-8	80.000	-11	120.00	-10
TCMX (PCB)	A	1.6000	17	4.0000	-1	8.0000	0	20.000	-6	40.000	0	59.993	-4	80.000	-3	120.00	0
Aroclor-1016 Peak # 1	B	20.000	**33**	50.000	8	100.00	4	250.00	-2	500.00	1	749.91	-6	1000.0	-8	1500.0	-13
Aroclor-1016 Peak # 2	B	20.000	**28**	50.000	8	100.00	9	250.00	0	500.00	0	749.91	-7	1000.0	-9	1500.0	-12
Aroclor-1016 Peak # 3	B	20.000	**25**	50.000	3	100.00	11	250.00	-5	500.00	-2	749.91	-6	1000.0	-9	1500.0	-5
Aroclor-1016 Peak # 4	B	20.000	**22**	50.000	1	100.00	7	250.00	-1	500.00	2	749.91	-5	1000.0	-6	1500.0	-7
Aroclor-1016 Peak # 5	B	20.000	**21**	50.000	5	100.00	6	250.00	-1	500.00	3	749.91	-5	1000.0	-7	1500.0	-8
Aroclor-1260 Peak # 1	B	20.000	**29**	50.000	6	100.00	4	250.00	-2	500.00	5	749.91	-7	1000.0	-9	1500.0	-10
Aroclor-1260 Peak # 2	B	20.000	**30**	50.000	10	100.00	10	250.00	-4	500.00	3	749.91	-8	1000.0	-10	1500.0	-12
Aroclor-1260 Peak # 3	B	20.000	**22**	50.000	3	100.00	7	250.00	-4	500.00	6	749.91	-6	1000.0	-8	1500.0	-7
Aroclor-1260 Peak # 4	B	20.000	**21**	50.000	5	100.00	6	250.00	-6	500.00	9	749.91	-5	1000.0	-7	1500.0	-7
Aroclor-1260 Peak # 5	B	20.000	**22**	50.000	7	100.00	7	250.00	-5	500.00	8	749.91	-7	1000.0	-10	1500.0	-8
Decachlorobiphenyl (PCB)	B	1.6000	**29**	4.0000	13	8.0000	8	20.000	-5	40.000	5	59.993	-7	80.000	-13	120.00	-13
TCMX (PCB)	B	1.6000	13	4.0000	-2	8.0000	-3	20.000	-6	40.000	1	59.993	-2	80.000	-1	120.00	1

ENTHALPY INITIAL CALIBRATION FOR 470417 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-16
Aroclor-1016 Peak # 2	A	2000.0	-18
Aroclor-1016 Peak # 3	A	2000.0	-10
Aroclor-1016 Peak # 4	A	2000.0	-15
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-20
Aroclor-1260 Peak # 3	A	2000.0	-15
Aroclor-1260 Peak # 4	A	2000.0	-16
Aroclor-1260 Peak # 5	A	2000.0	-13
Decachlorobiphenyl (PCB)	A	160.00	-15
TCMX (PCB)	A	160.00	-2
Aroclor-1016 Peak # 1	B	2000.0	-17
Aroclor-1016 Peak # 2	B	2000.0	-17
Aroclor-1016 Peak # 3	B	2000.0	-14
Aroclor-1016 Peak # 4	B	2000.0	-12
Aroclor-1016 Peak # 5	B	2000.0	-14
Aroclor-1260 Peak # 1	B	2000.0	-16
Aroclor-1260 Peak # 2	B	2000.0	-18
Aroclor-1260 Peak # 3	B	2000.0	-13
Aroclor-1260 Peak # 4	B	2000.0	-14
Aroclor-1260 Peak # 5	B	2000.0	-15
Decachlorobiphenyl (PCB)	B	160.00	-18
TCMX (PCB)	B	160.00	-2

TJW 09/14/22 : Manually integrated due to baseline corrections for all channels in multiple levels

Analyst: TJW 09/14/22

Reviewer: SLL 09/14/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 470417 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_091322_1
Calnum:	452369928002	Cal Date:	14-SEP-2022

- ICV 452369928027 (gc06_091322027 14-SEP-2022) stds: S17274

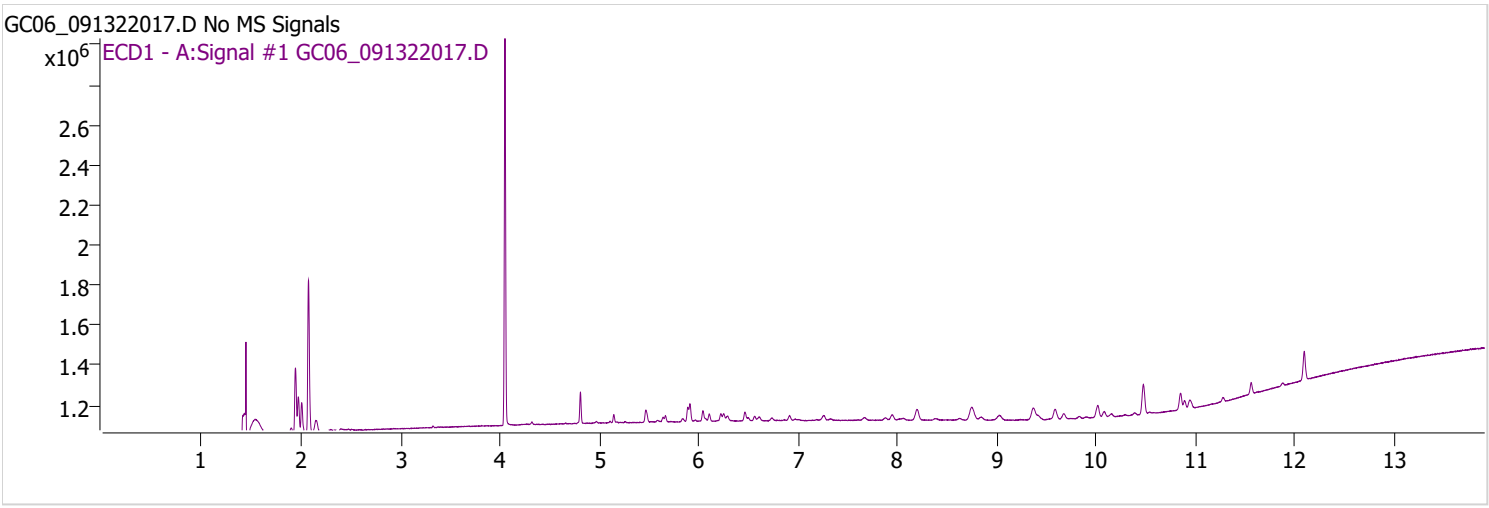
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.2	ug/L	-3	15	
Aroclor-1260	A	500.0	511.2	ug/L	2	15	
Aroclor-1016	B	500.0	473.6	ug/L	-5	15	
Aroclor-1260	B	500.0	479.5	ug/L	-4	15	

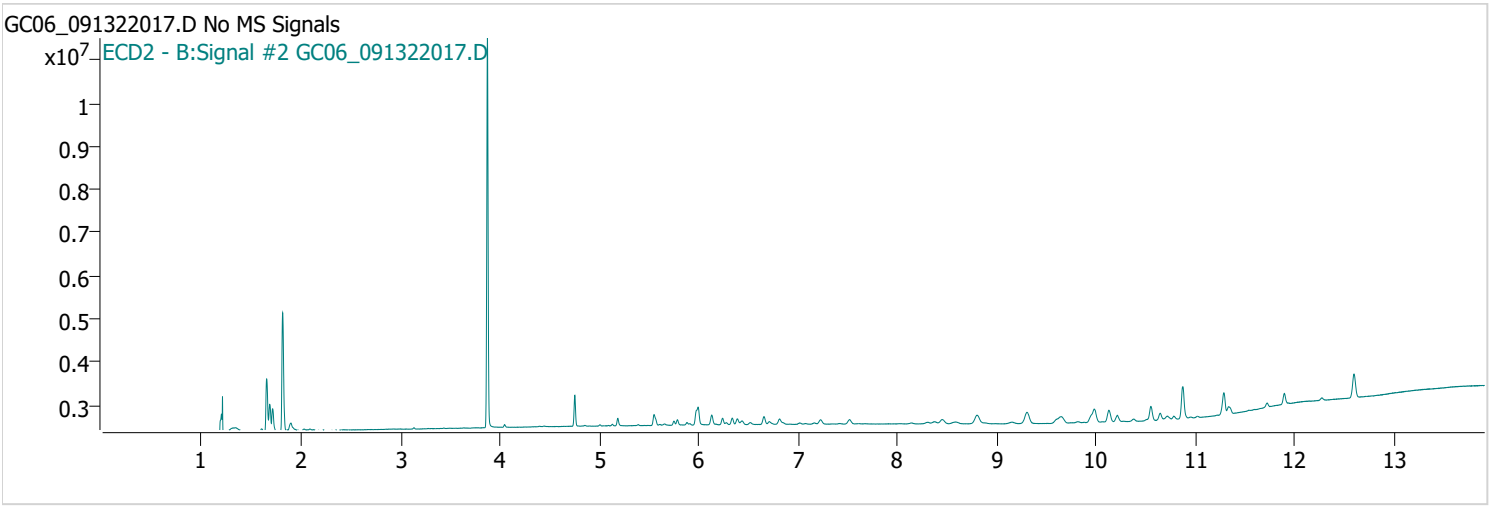
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Analyst: TJW 09/14/22 **Reviewer:** SLL 09/14/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_091322017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 12:39:45 AM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial	41	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



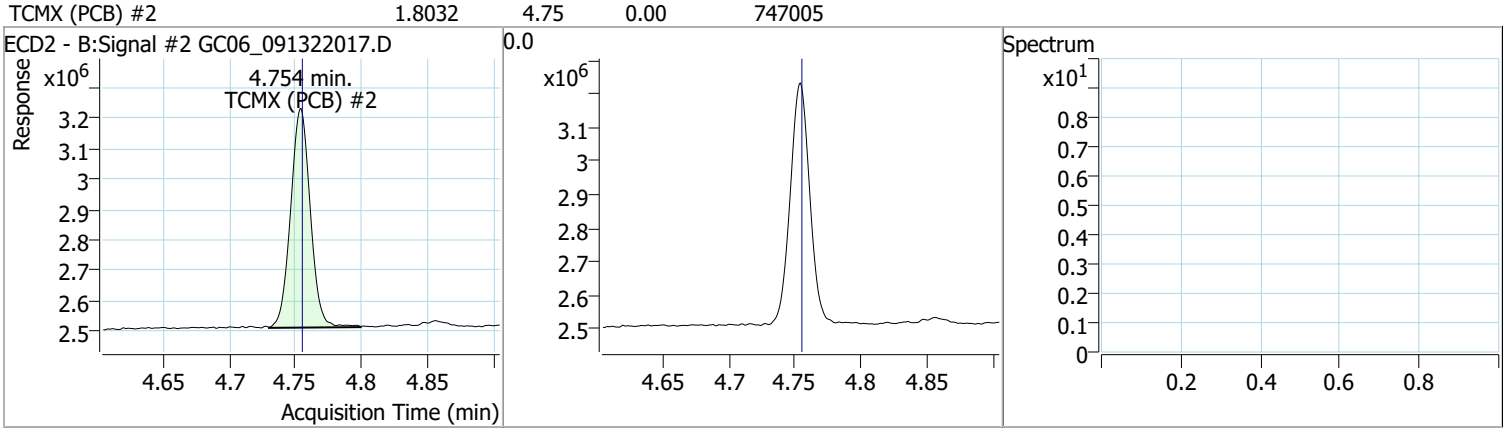


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	8462321.647	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.051	0.0	1800937.400	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	4.754	0.0	747004.804	1.8032	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.02%		*	
S TCMX (PCB)	4.811	0.0	160031.646	1.8655	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.33%		*	
S Decachlorobiphenyl (PCB)	12.097	0.0	241152.585	1.9965	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.98%		*	
S Decachlorobiphenyl (PCB) #2	12.598	0.0	1154888.185	2.0574	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.29%		*	
Target Compounds							**QValue**
T AR1016 1	5.146	0.0	44697.420	25.3176	ng/ml		100
T AR1016 1 #2	5.188	0.0	225910.833	26.5575	ng/ml		100

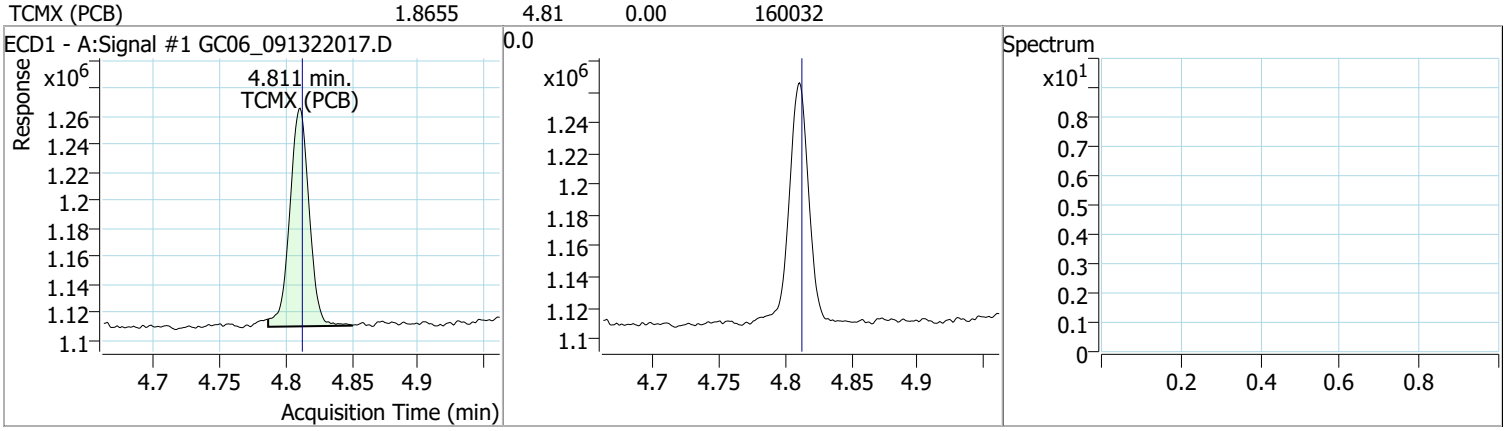
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.469	0.0	98430.955	26.0838	ng/ml		100
T AR1016 2 #2	5.552	0.0	455009.676	25.6468	ng/ml		100
T AR1016 3	5.913	0.0	113122.375	25.4301	ng/ml		100
T AR1016 3 #2	5.995	0.0	579210.161	25.0930	ng/ml	m	100
T AR1016 4	6.043	0.0	86242.390	25.7578	ng/ml		100
T AR1016 4 #2	6.132	0.0	371540.971	24.3610	ng/ml	m	100
T AR1016 5	6.467	0.0	68318.245	25.5145	ng/ml		100
T AR1016 5 #2	6.658	0.0	311919.196	24.2227	ng/ml		100
T AR1260 1	8.198	0.0	139834.239	26.3948	ng/ml		100
T AR1260 2	8.751	0.0	209624.785	25.0770	ng/ml		100
T AR1260 1 #2	8.802	0.0	756088.668	25.7926	ng/ml		100
T AR1260 2 #2	9.305	0.0	854373.025	25.9620	ng/ml		100
T AR1260 3	9.369	0.0	227145.076	25.9528	ng/ml		100
T AR1260 3 #2	9.983	0.0	1032947.202	24.3999	ng/ml		100
T AR1260 4	10.019	0.0	121927.950	24.6943	ng/ml		100
T AR1260 4 #2	10.553	0.0	677388.133	24.1767	ng/ml	m	100
T AR1260 5	10.851	0.0	147786.185	24.1747	ng/ml		100
T AR1260 5 #2	11.287	0.0	1019538.857	24.3913	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

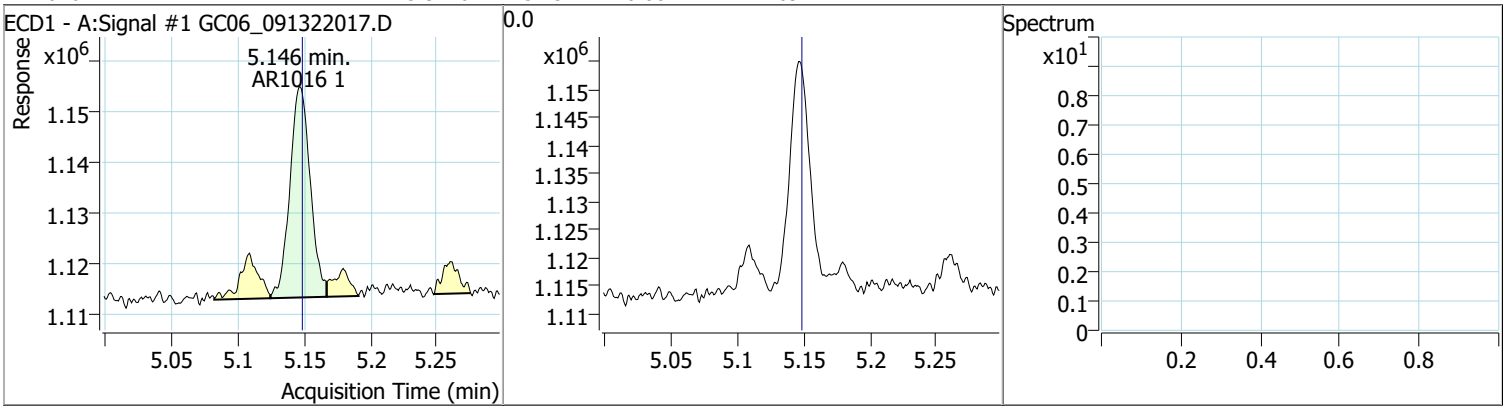
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.8032	4.75	0.00	747005				



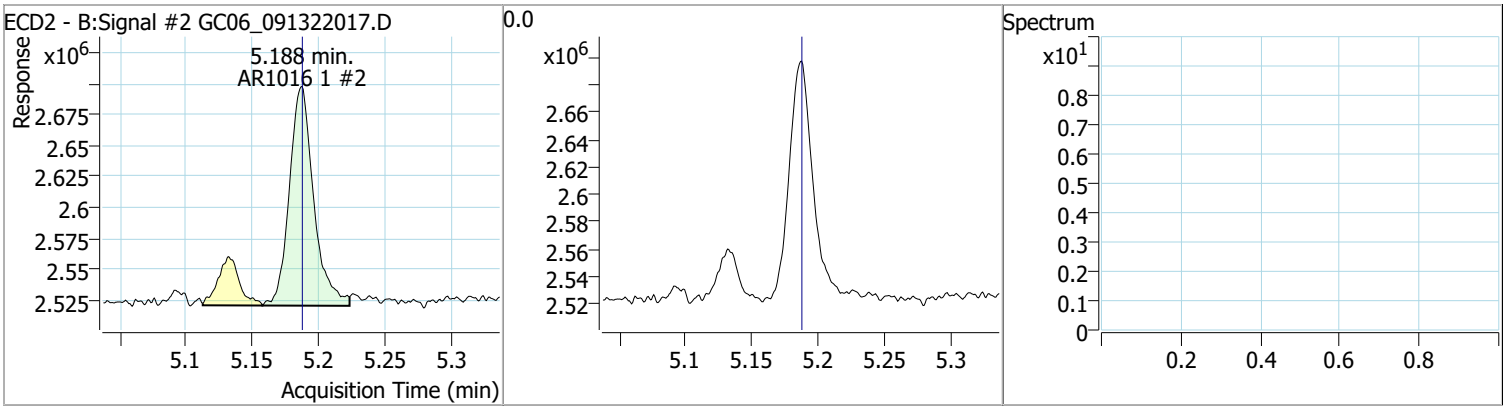
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8655	4.81	0.00	160032				



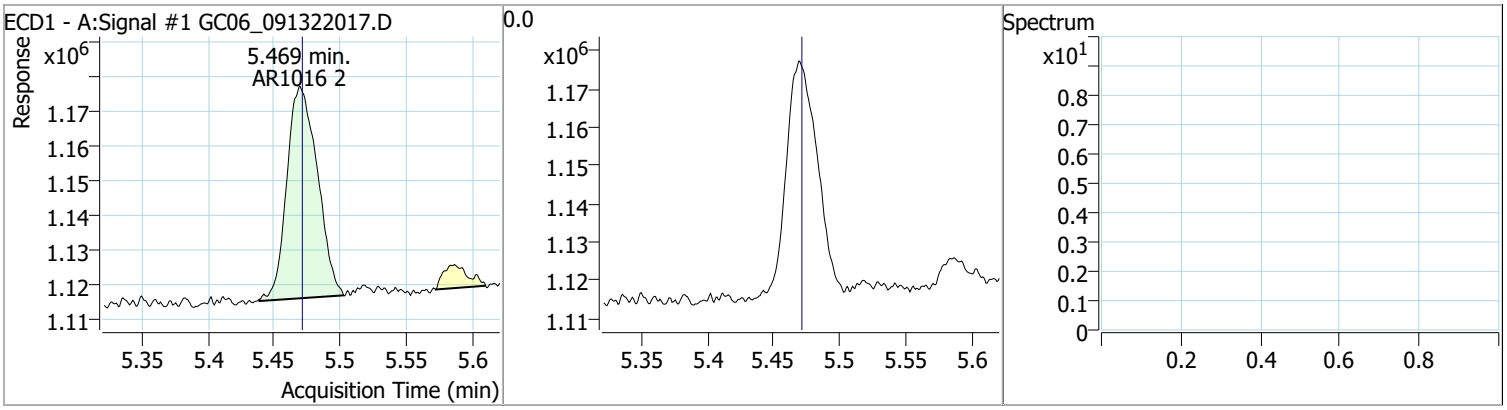
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	25.3176	5.15	0.00	44697				



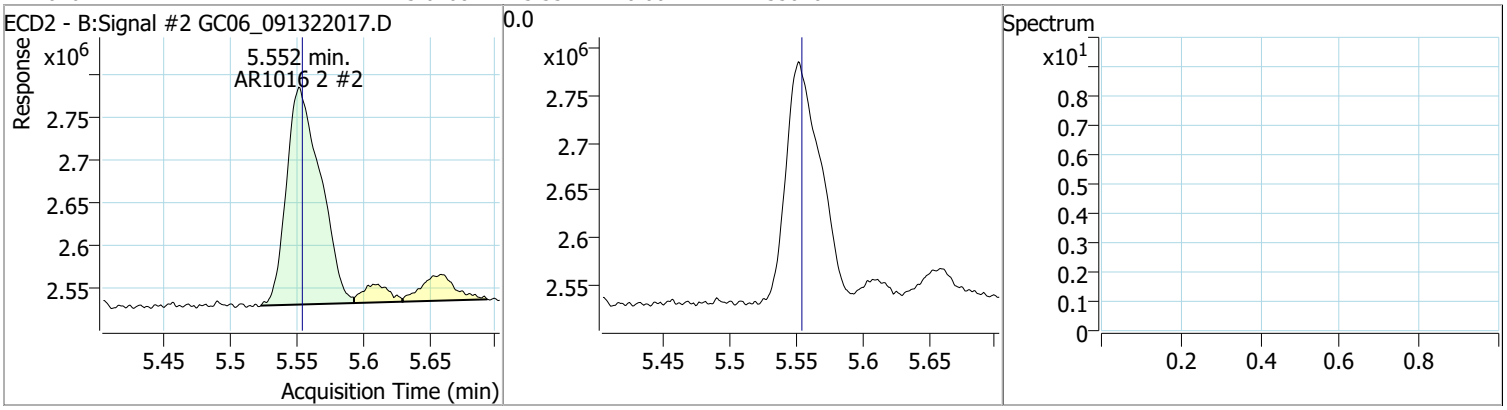
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	26.5575	5.19	0.00	225911				



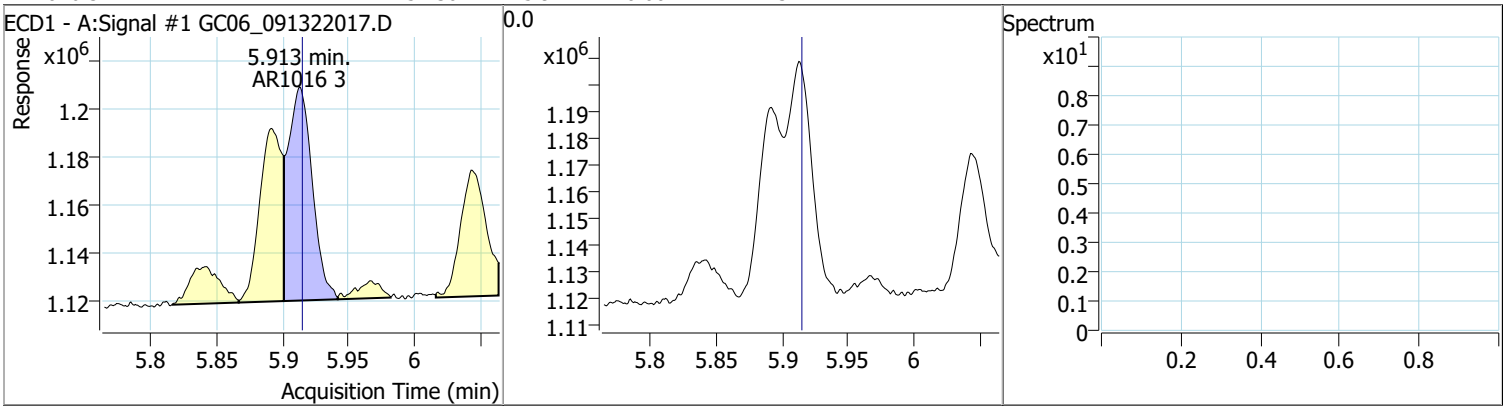
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	26.0838	5.47	0.00	98431				



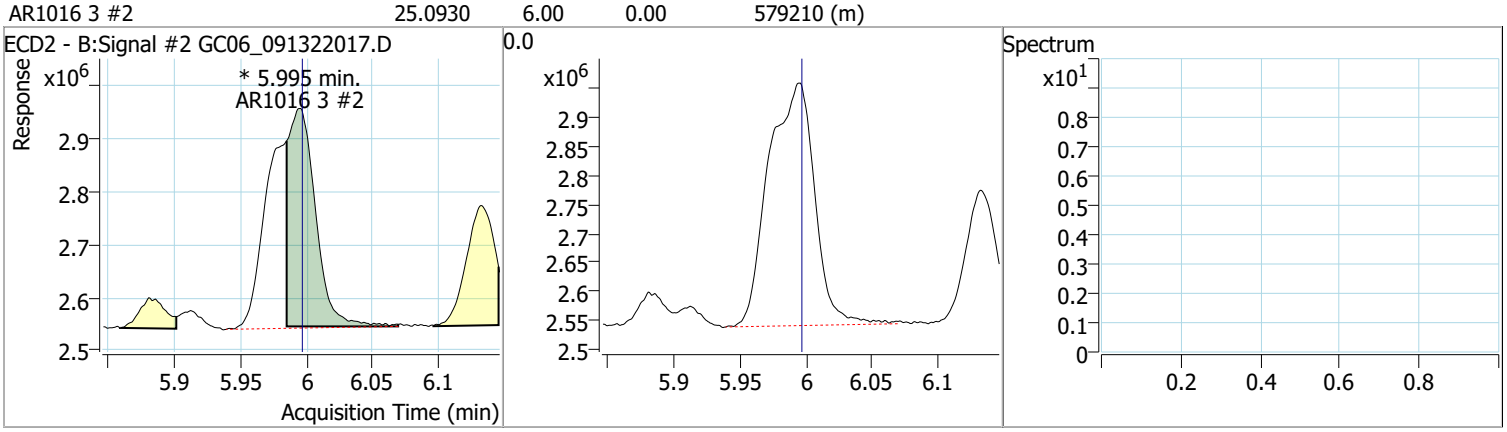
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	25.6468	5.55	0.00	455010				



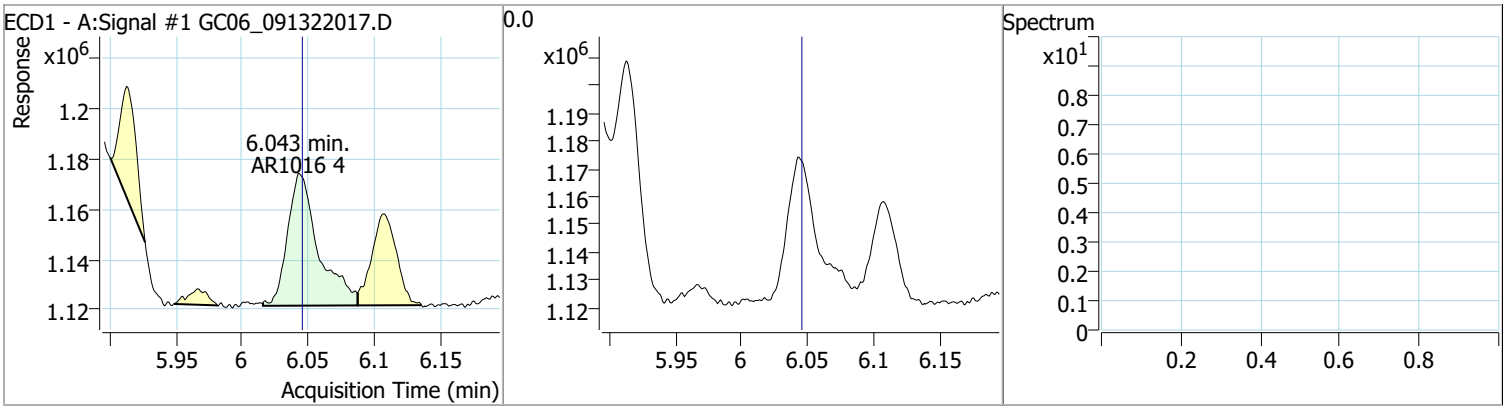
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	25.4301	5.91	0.00	113122				



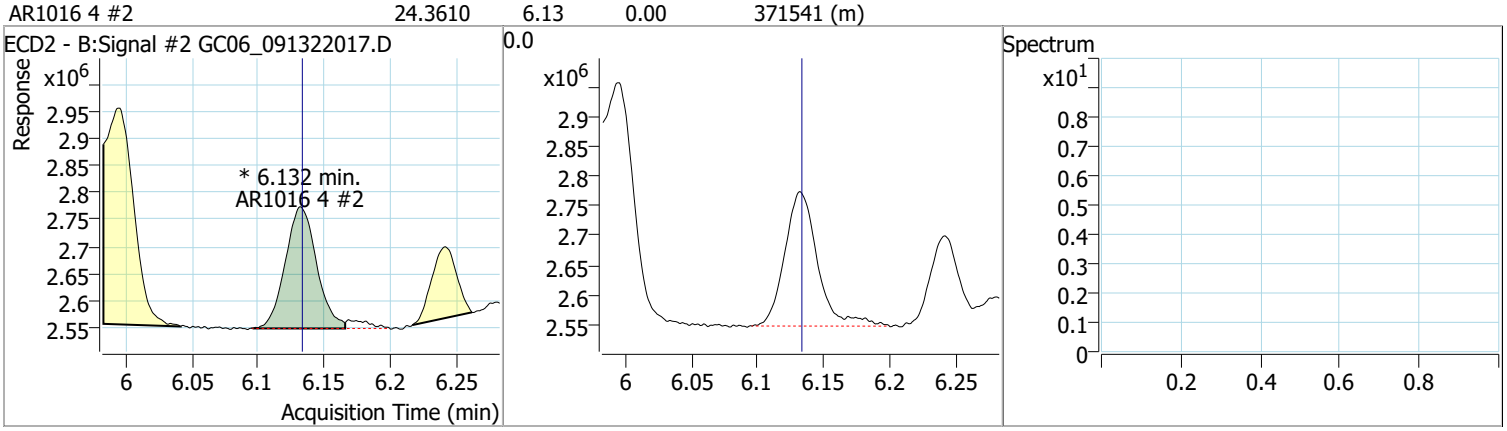
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	25.0930	6.00	0.00	579210 (m)				



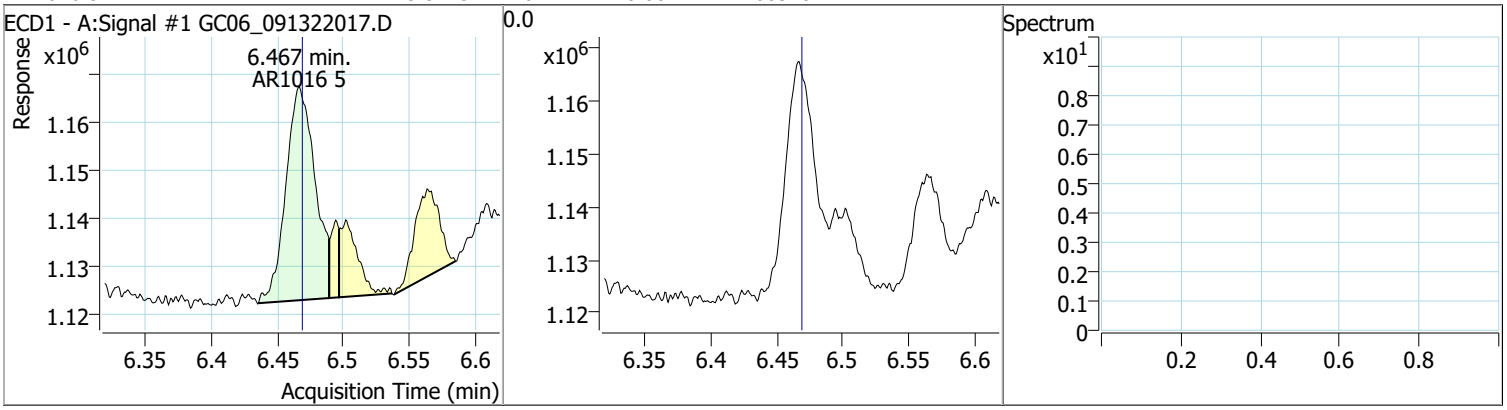
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	25.7578	6.04	0.00	86242				



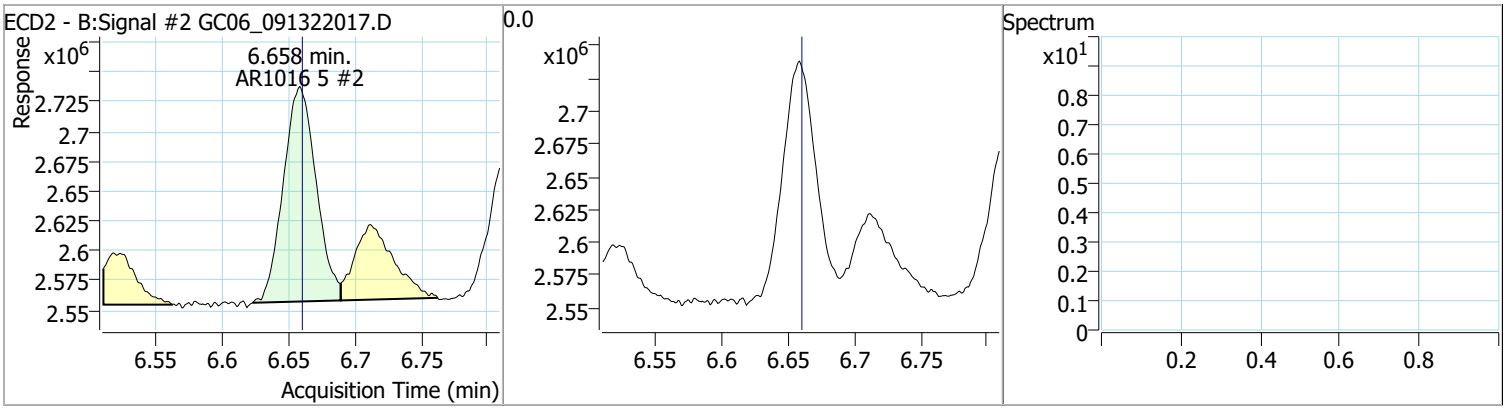
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	24.3610	6.13	0.00	371541 (m)				



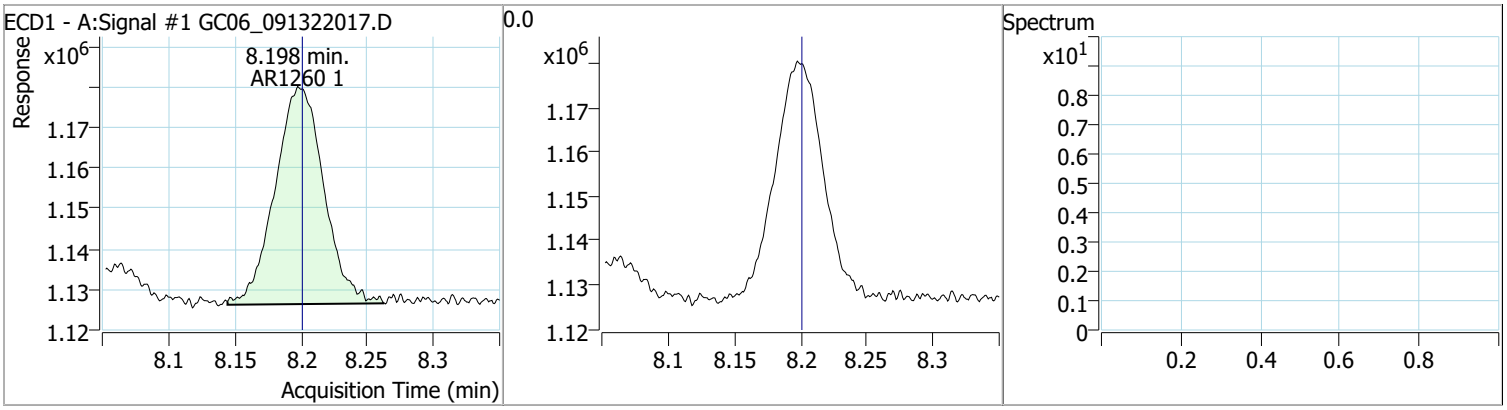
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	25.5145	6.47	0.00	68318				



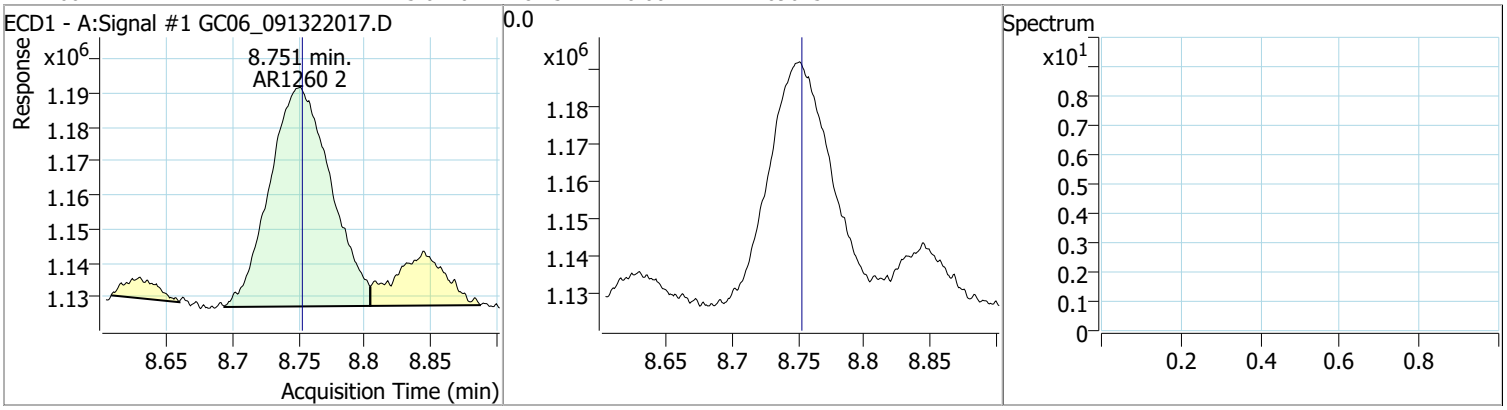
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	24.2227	6.66	0.00	311919				



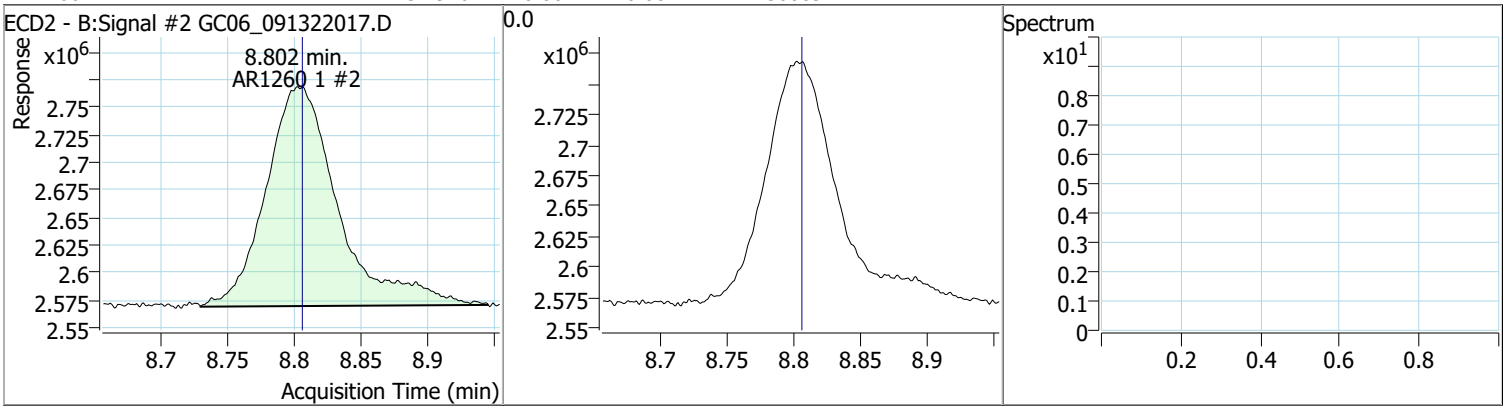
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	26.3948	8.20	0.00	139834				



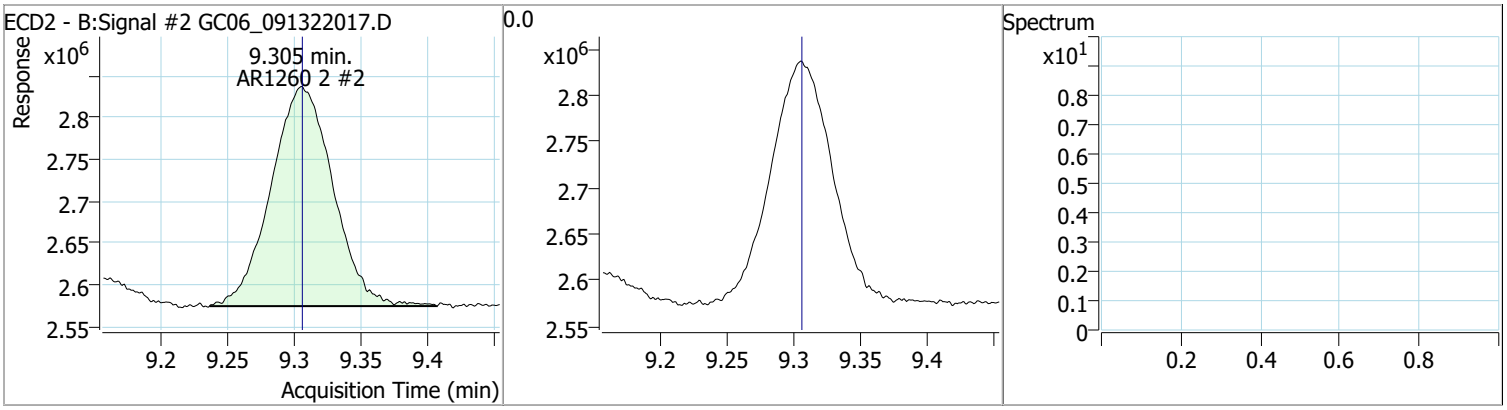
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	25.0770	8.75	0.00	209625				



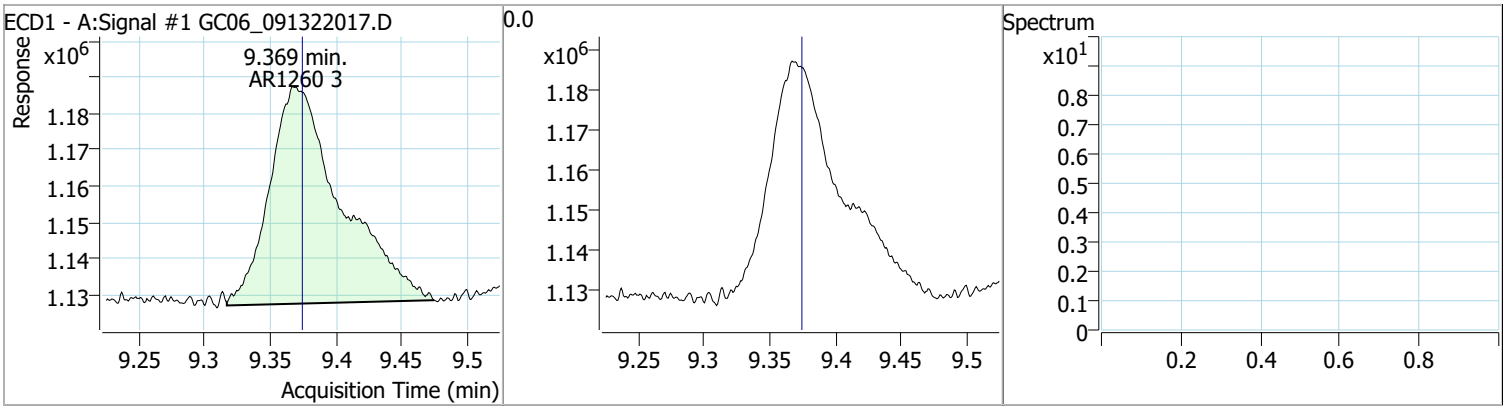
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	25.7926	8.80	0.00	756089				



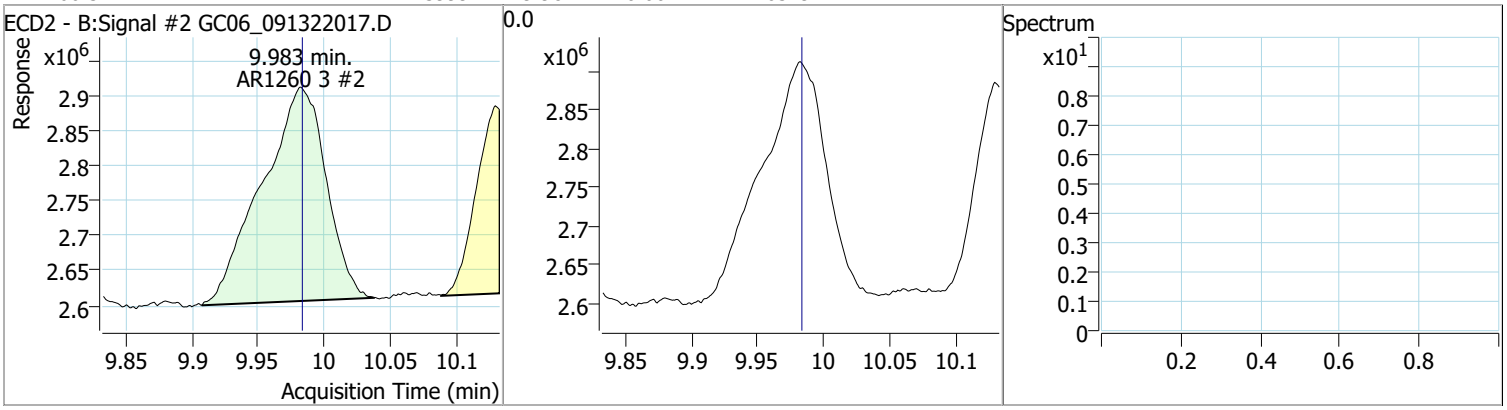
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	25.9620	9.31	0.00	854373				



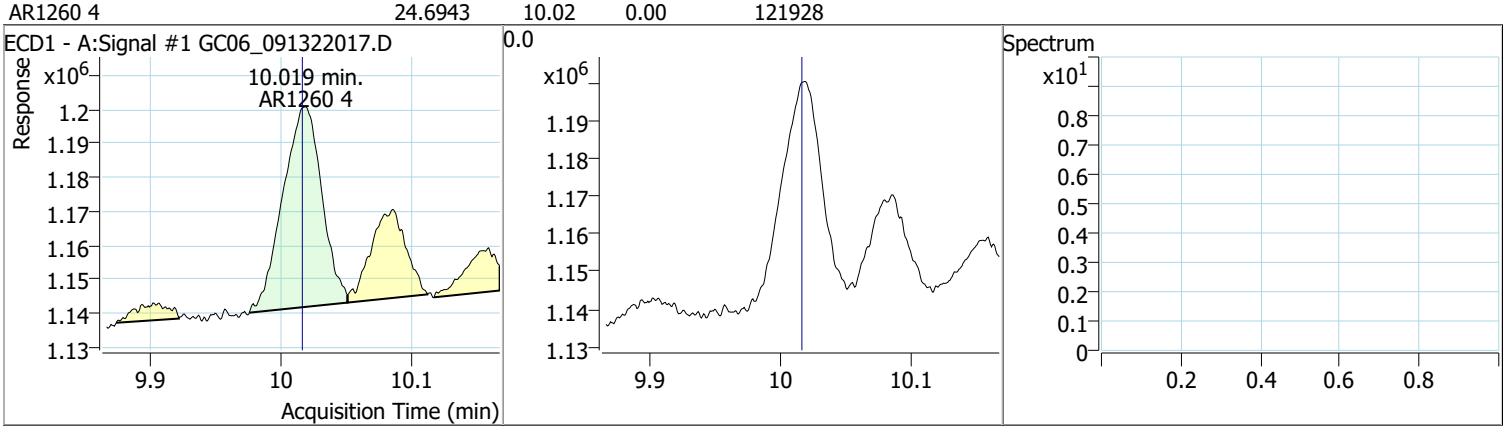
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	25.9528	9.37	-0.01	227145				



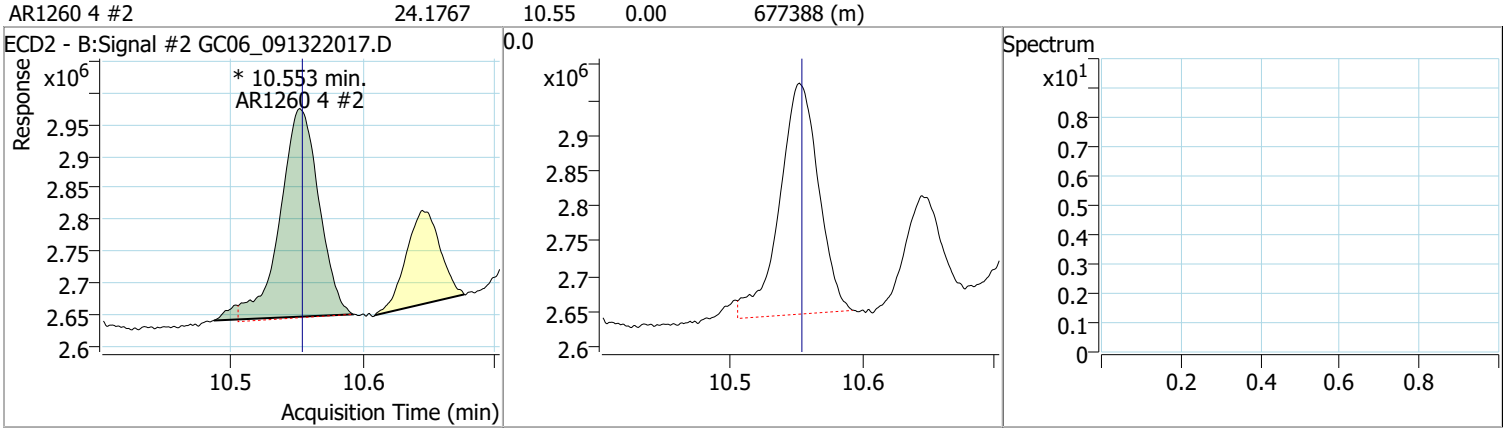
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AR1260 3 #2	24.3999	9.98	0.00	1032947				



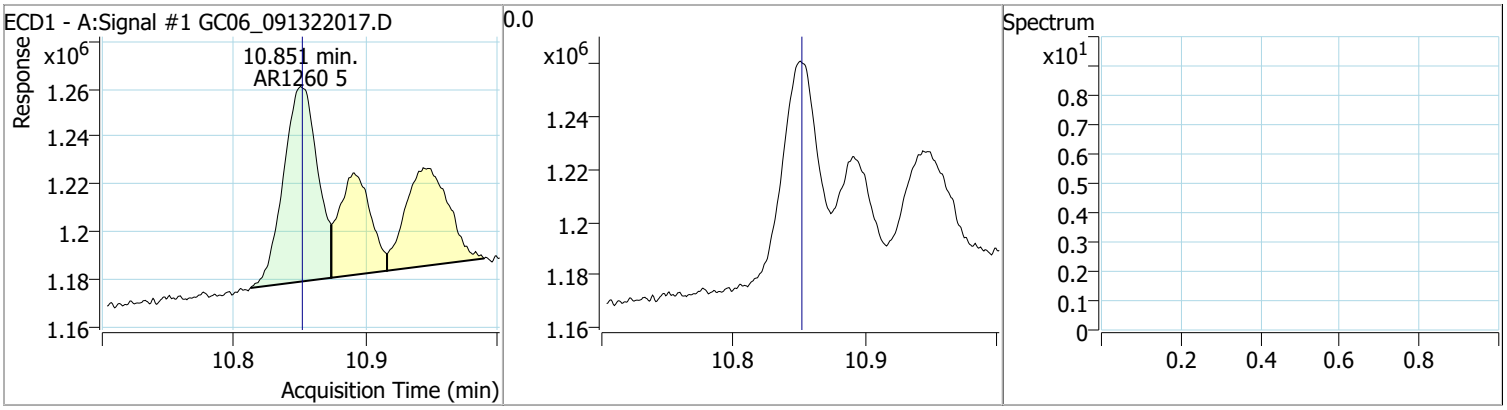
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	24.6943	10.02	0.00	121928				



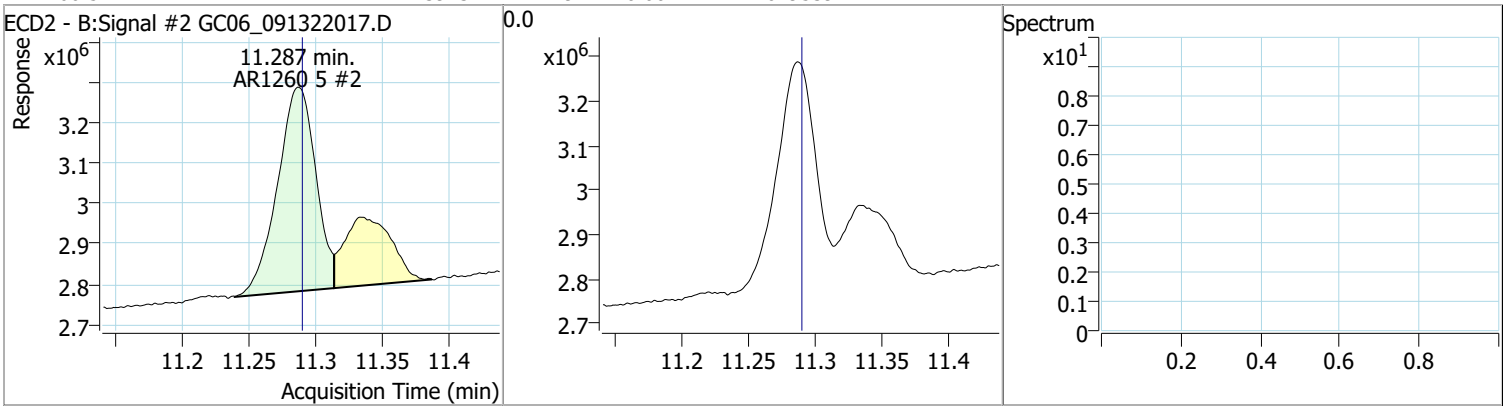
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AR1260 4 #2	24.1767	10.55	0.00	677388 (m)				



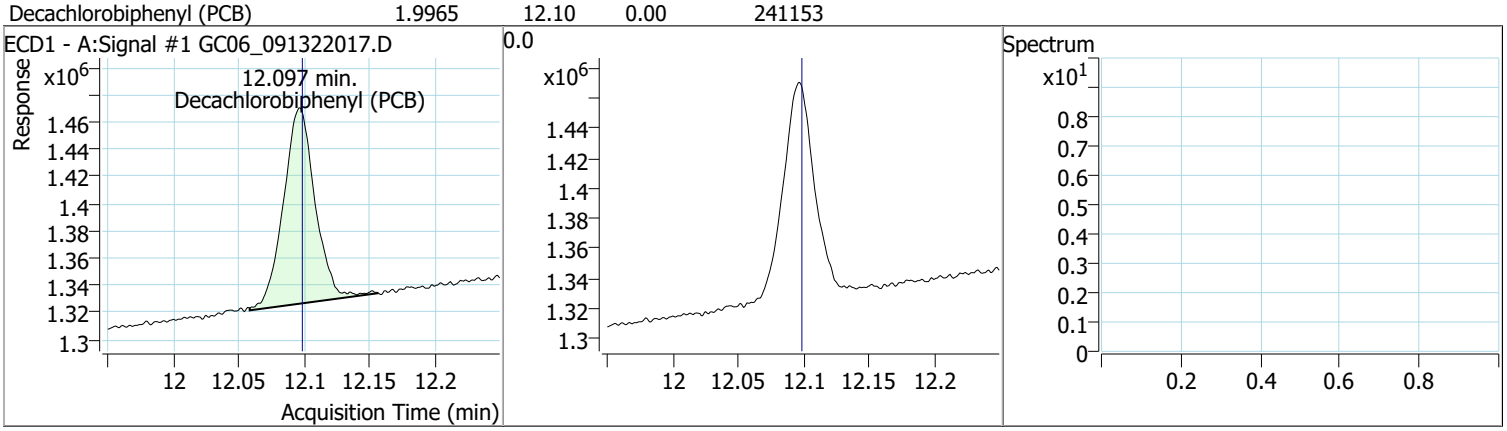
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AR1260 5	24.1747	10.85	0.00	147786				



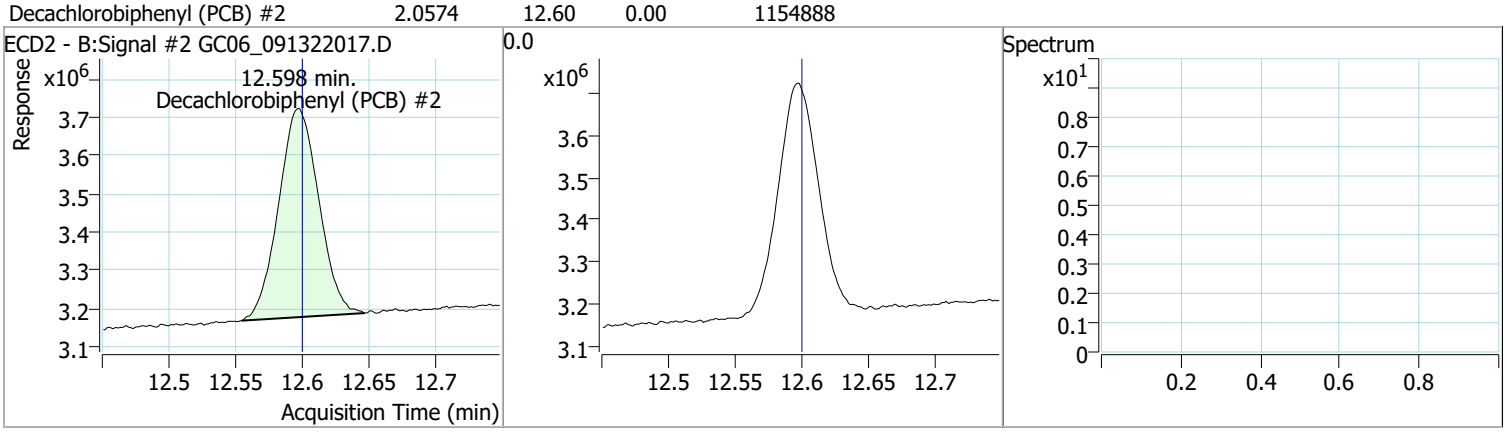
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	24.3913	11.29	0.00	1019539				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.9965	12.10	0.00	241153				

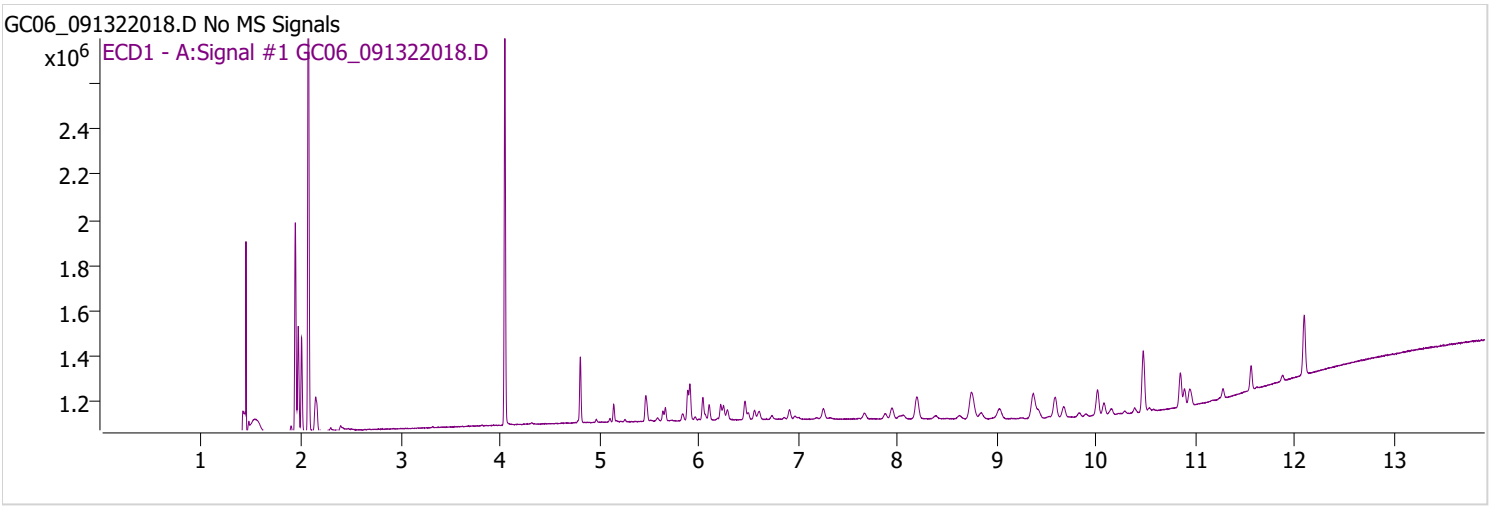


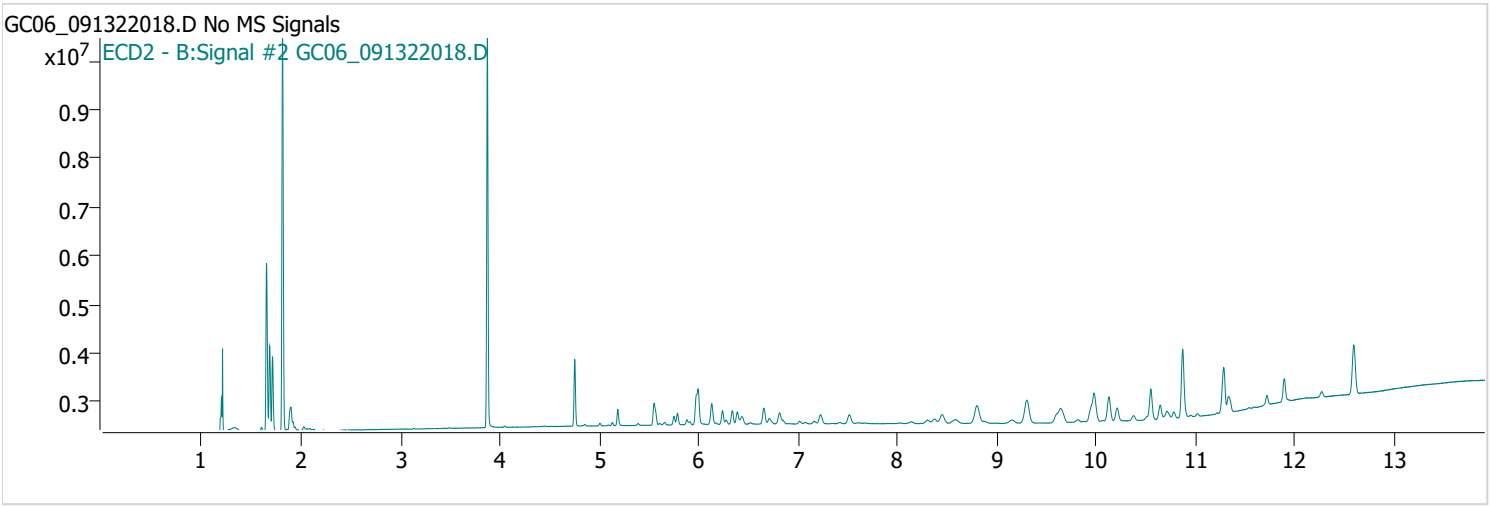
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.0574	12.60	0.00	1154888				



Quantitation Results Report (Not Reviewed)

Data File	GC06_091322018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 12:57:06 AM
Sample Name	ICAL, S16585, 40	Instrument	SVOA-GC06
Vial	42	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



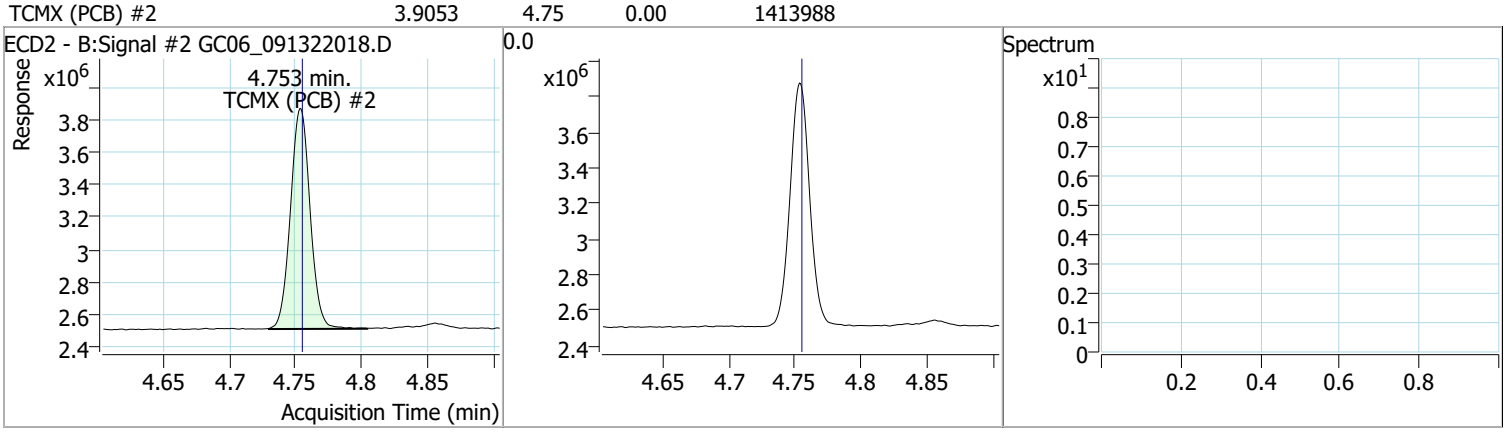


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	7396287.279	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.050	0.0	1574602.436	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.753	0.0	1413988.279	3.9053	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.53%		*	
S TCMX (PCB)	4.810	0.0	296406.933	3.9520	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.76%		*	
S Decachlorobiphenyl (PCB)	12.097	0.0	457871.811	4.3356	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.68%		*	
S Decachlorobiphenyl (PCB) #2	12.596	0.0	2217524.838	4.5198	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.60%		*	
Target Compounds							**QValue**
T AR1016 1	5.146	0.0	82820.853	53.6546	ng/ml		100

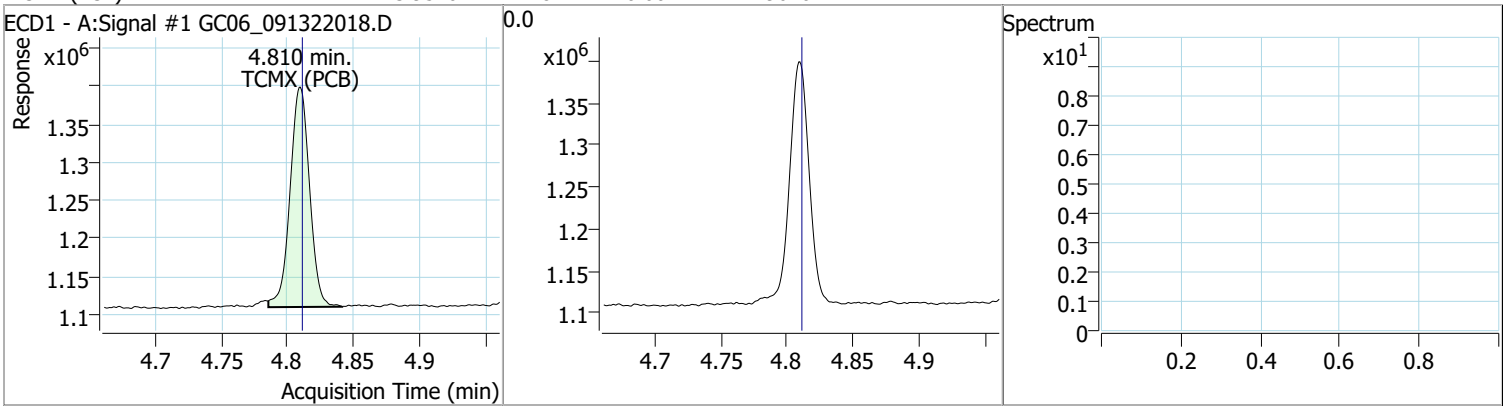
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1 #2	5.188	0.0	402549.436	54.1434	ng/ml		100
T AR1016 2	5.469	0.0	183263.563	55.5448	ng/ml		100
T AR1016 2 #2	5.553	0.0	839411.615	54.1332	ng/ml		100
T AR1016 3	5.913	0.0	209534.549	53.8745	ng/ml		100
T AR1016 3 #2	5.995	0.0	1040435.721	51.5712	ng/ml	m	100
T AR1016 4	6.043	0.0	159077.760	54.3406	ng/ml		100
T AR1016 4 #2	6.133	0.0	672688.937	50.4637	ng/ml	m	100
T AR1016 5	6.468	0.0	125261.665	53.5053	ng/ml	m	100
T AR1016 5 #2	6.658	0.0	592193.858	52.6163	ng/ml		100
T AR1260 1	8.197	0.0	246987.455	53.3221	ng/ml		100
T AR1260 2	8.747	0.0	467252.412	63.9311	ng/ml		100
T AR1260 1 #2	8.803	0.0	1362421.202	53.1752	ng/ml	m	100
T AR1260 2 #2	9.307	0.0	1575386.159	54.7713	ng/ml		100
T AR1260 3	9.370	0.0	398858.125	52.1226	ng/ml		100
T AR1260 3 #2	9.980	0.0	1914221.820	51.7341	ng/ml		100
T AR1260 4	10.015	0.0	227418.399	52.6802	ng/ml		100
T AR1260 4 #2	10.553	0.0	1279584.218	52.2520	ng/ml	m	100
T AR1260 5	10.849	0.0	272926.896	51.0625	ng/ml		100
T AR1260 5 #2	11.287	0.0	1960329.378	53.6583	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

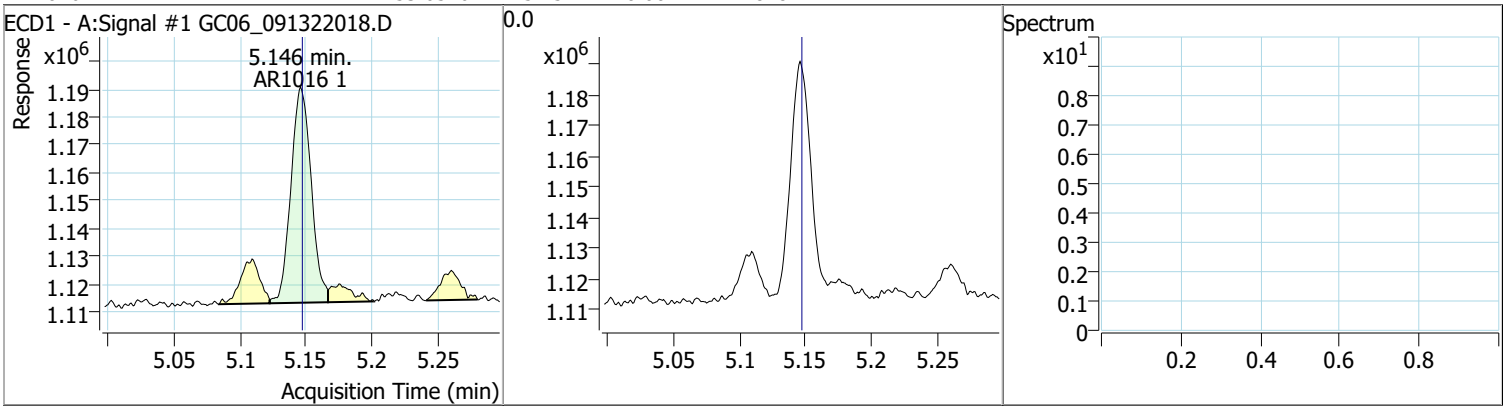
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	3.9053	4.75	0.00	1413988				



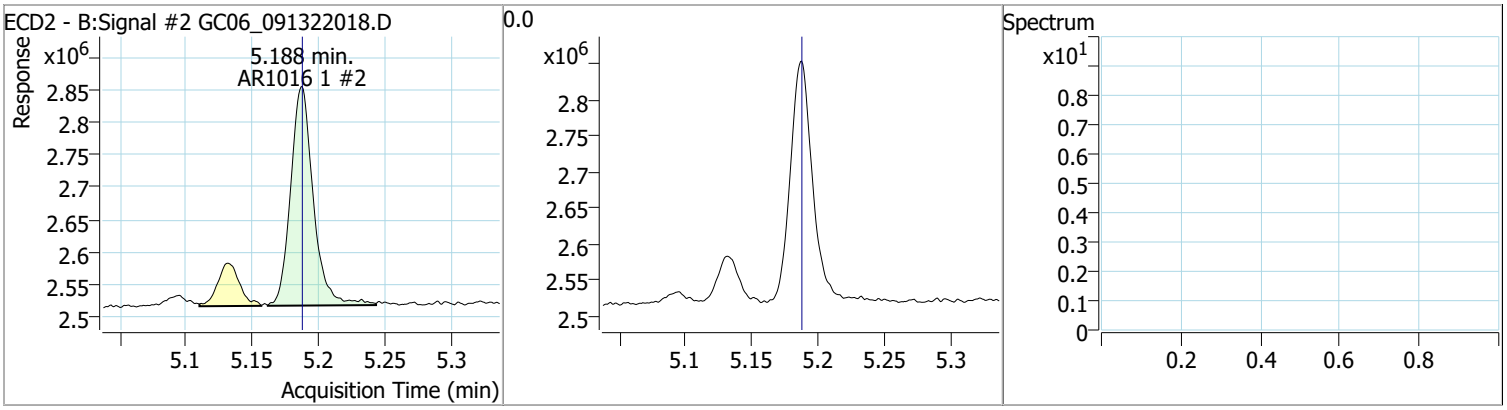
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	3.9520	4.81	0.00	296407				



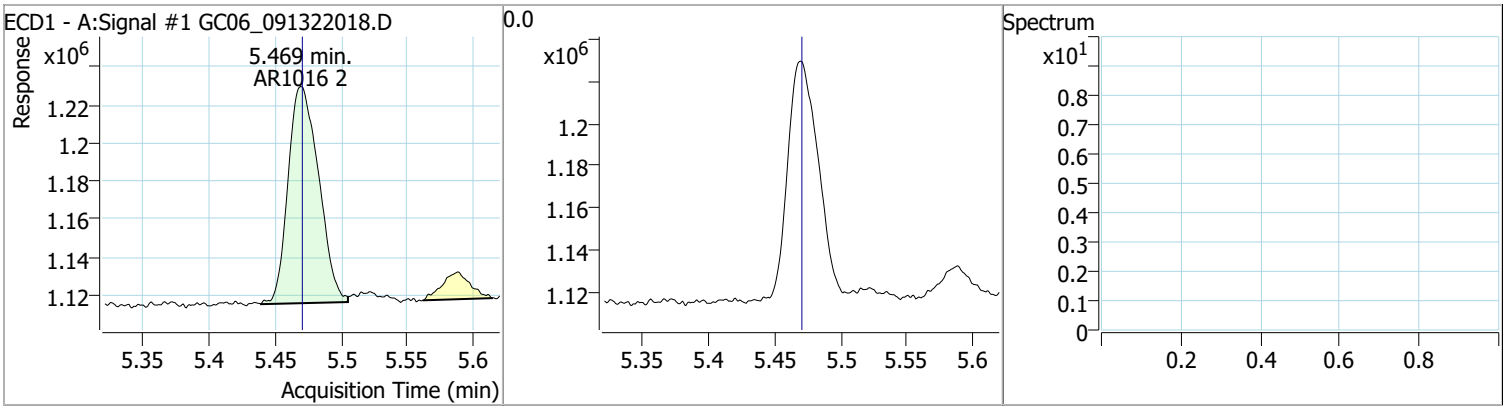
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	53.6546	5.15	0.00	82821				



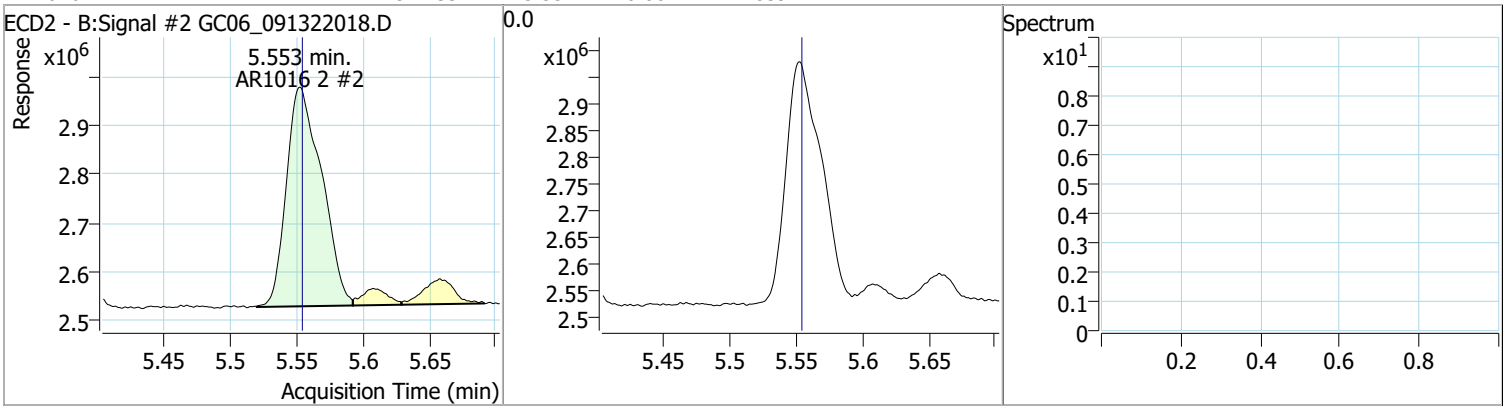
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	54.1434	5.19	0.00	402549				



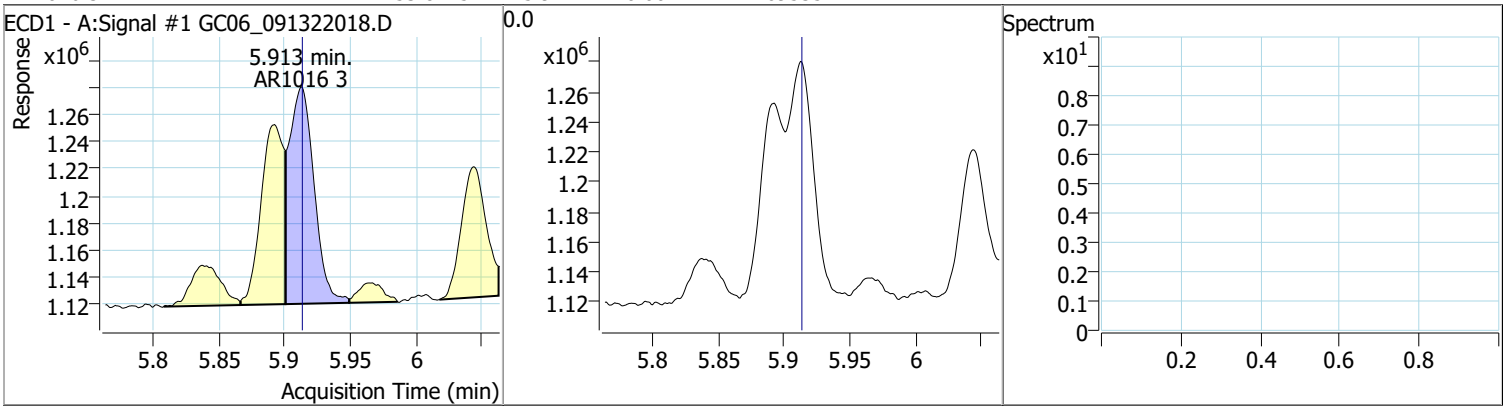
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	55.5448	5.47	0.00	183264				



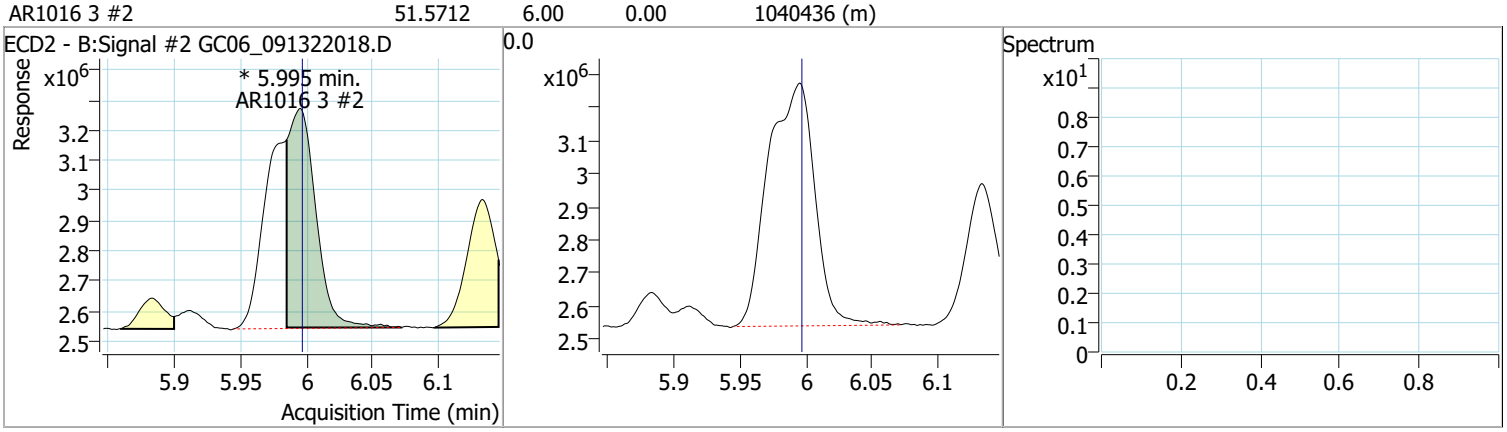
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	54.1332	5.55	0.00	839412				



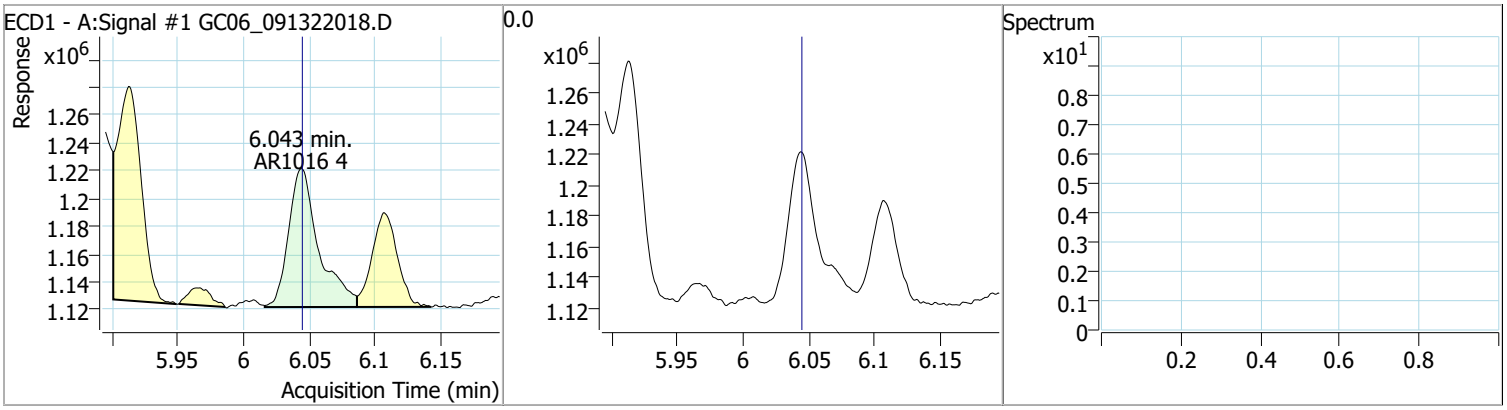
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	53.8745	5.91	0.00	209535				



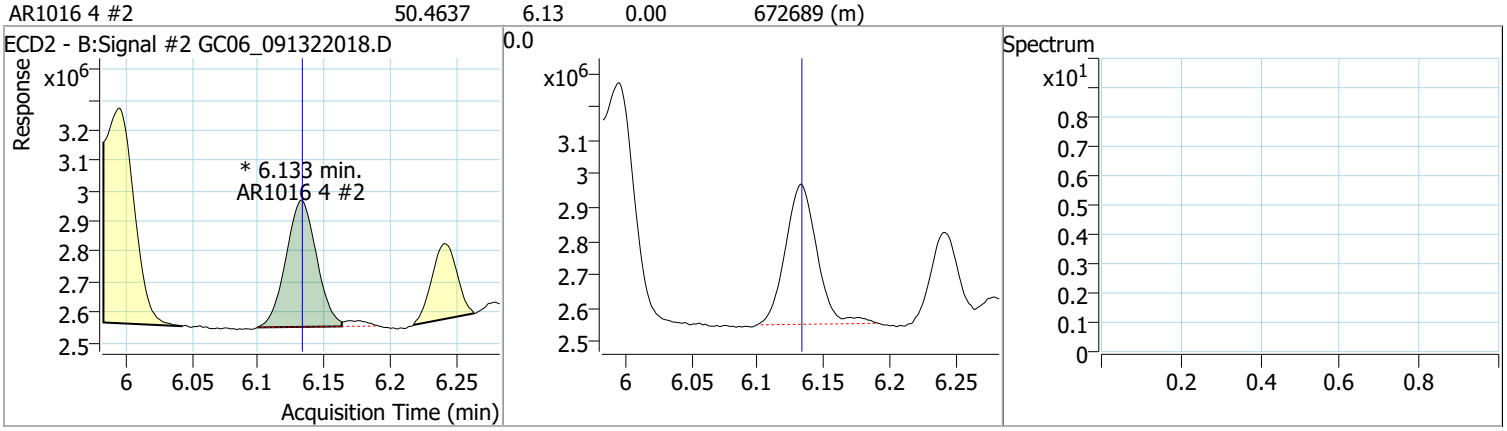
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	51.5712	6.00	0.00	1040436 (m)				



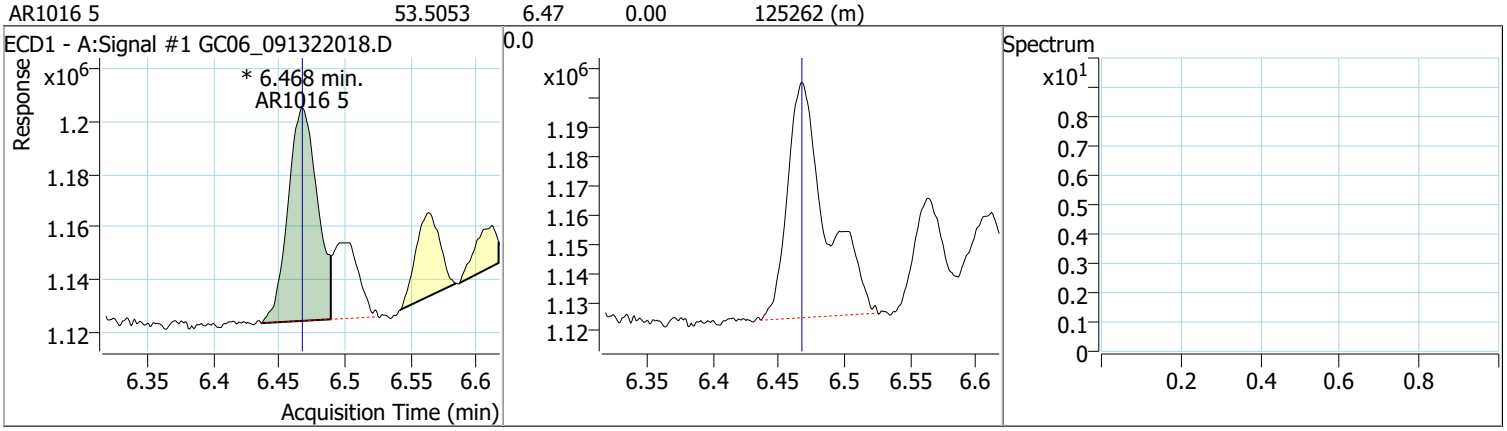
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	54.3406	6.04	0.00	159078				



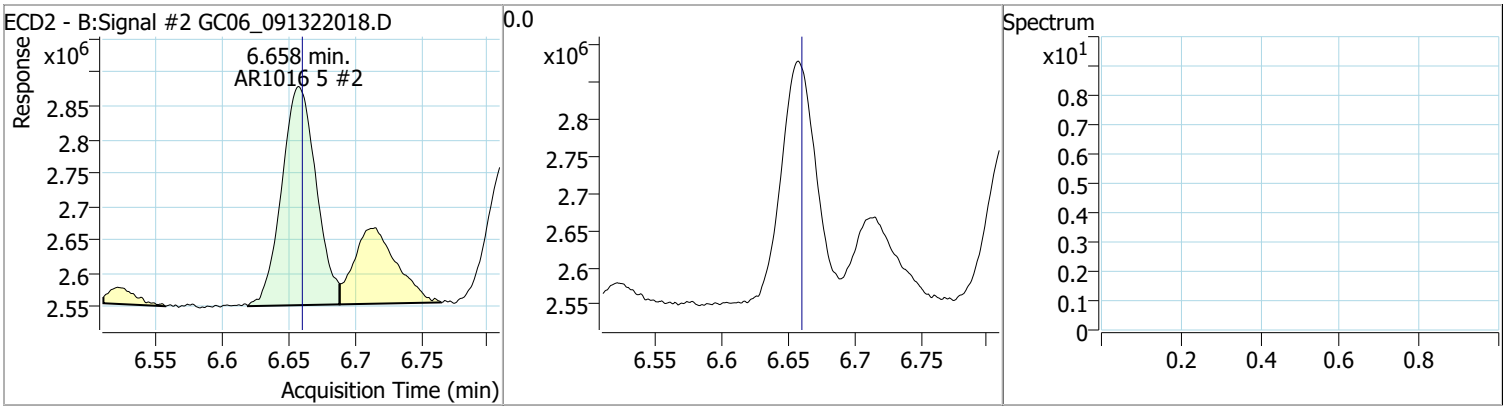
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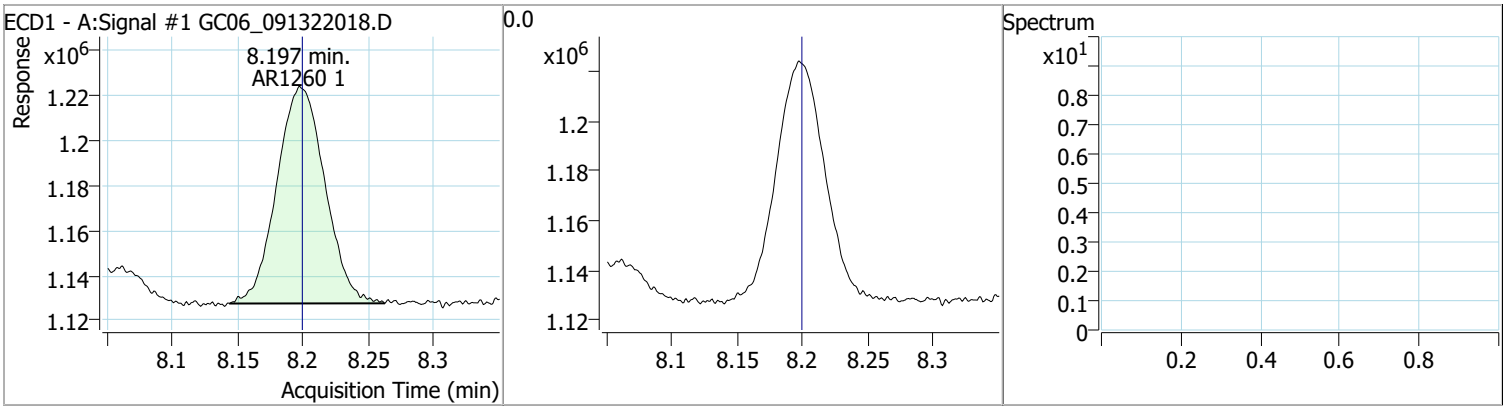
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AR1016 5	53.5053	6.47	0.00	125262 (m)				



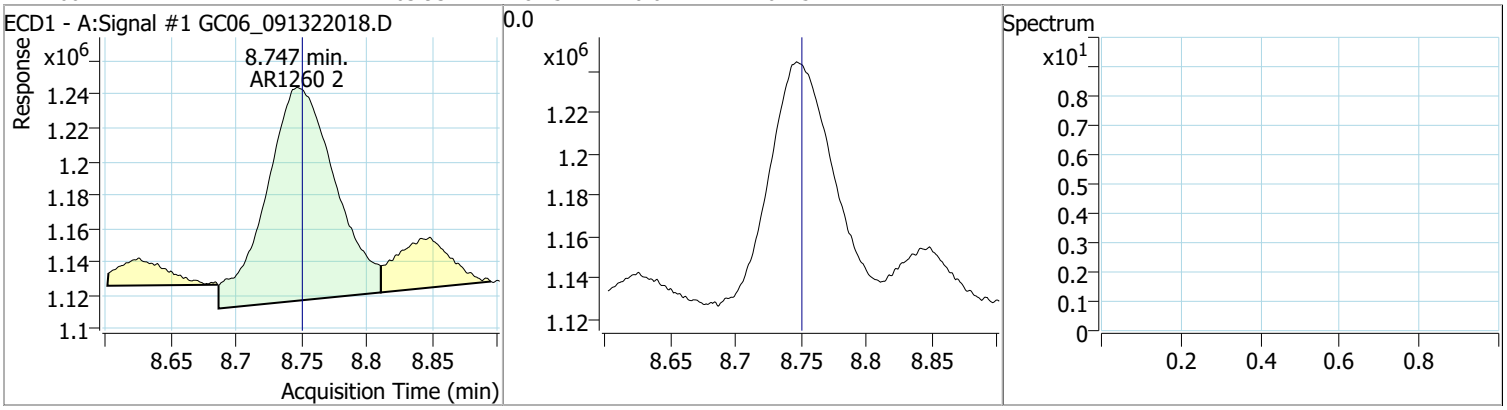
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AR1016 5 #2	52.6163	6.66	0.00	592194				



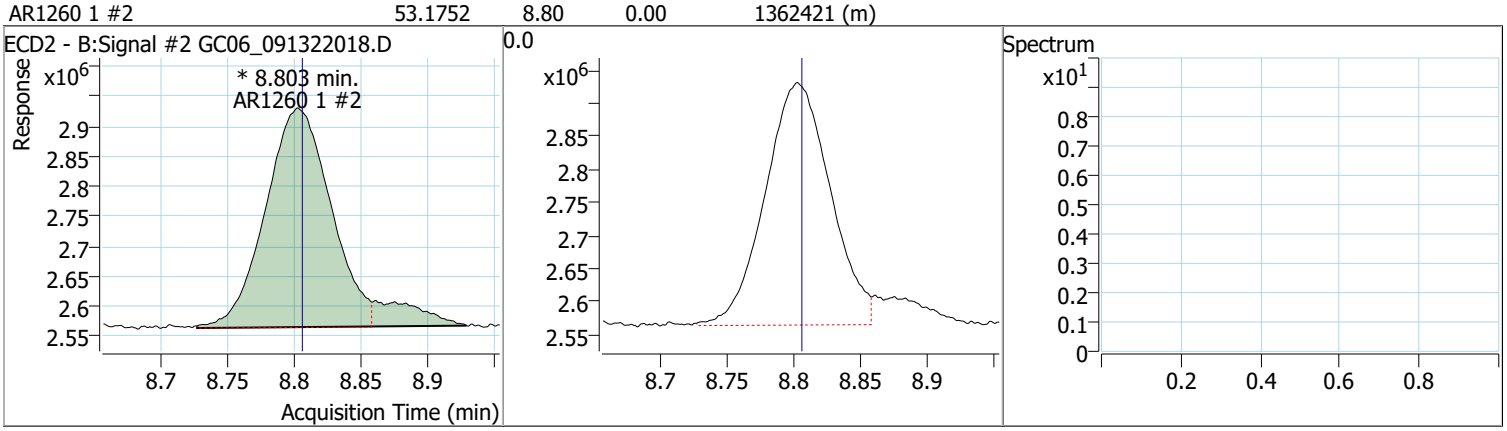
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	53.3221	8.20	-0.01	246987				



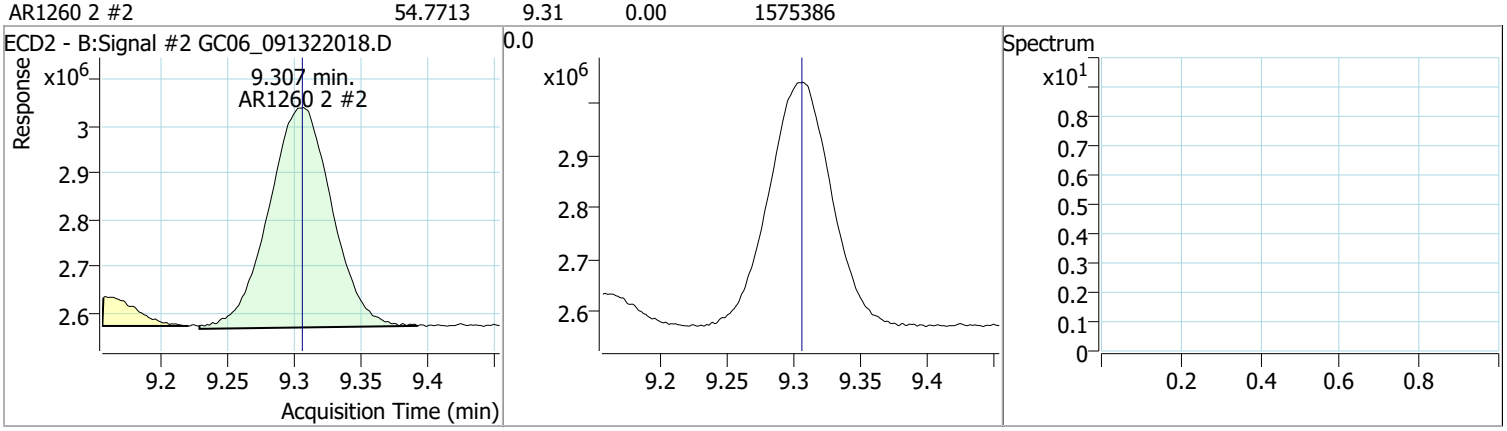
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AR1260 2	63.9311	8.75	-0.01	467252				



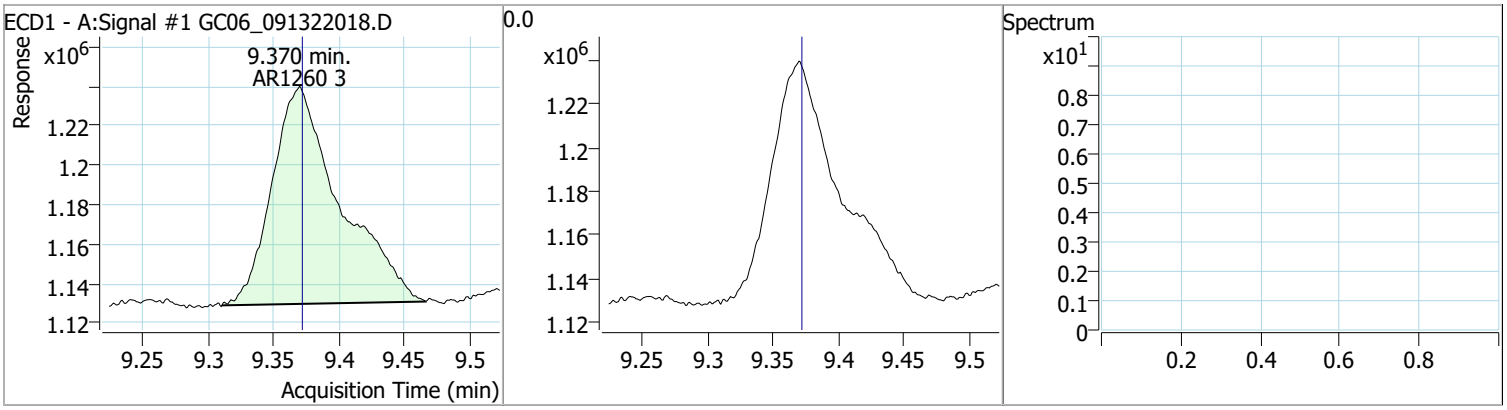
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AR1260 1 #2	53.1752	8.80	0.00	1362421 (m)				



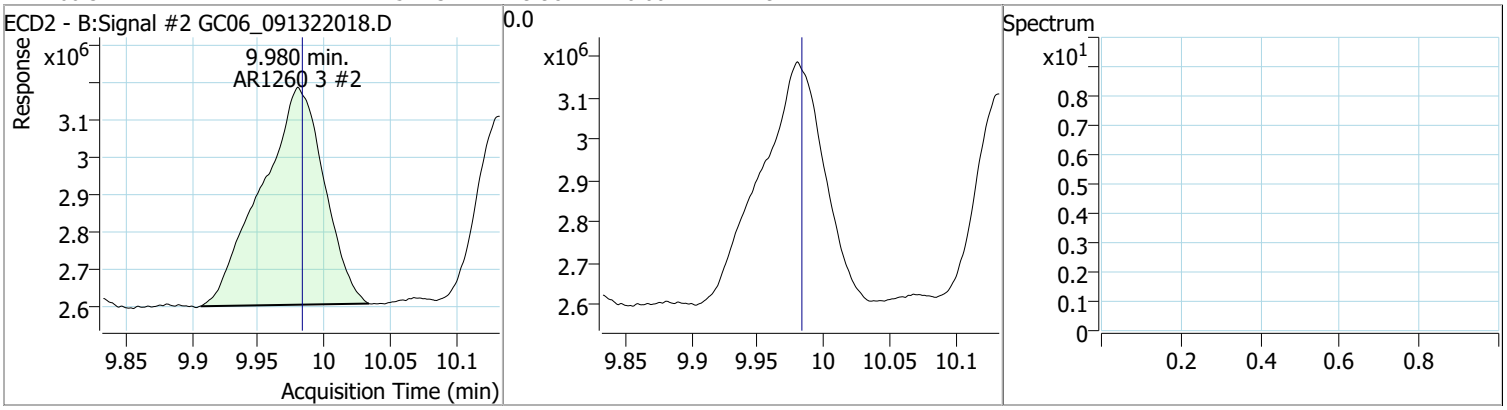
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	54.7713	9.31	0.00	1575386				



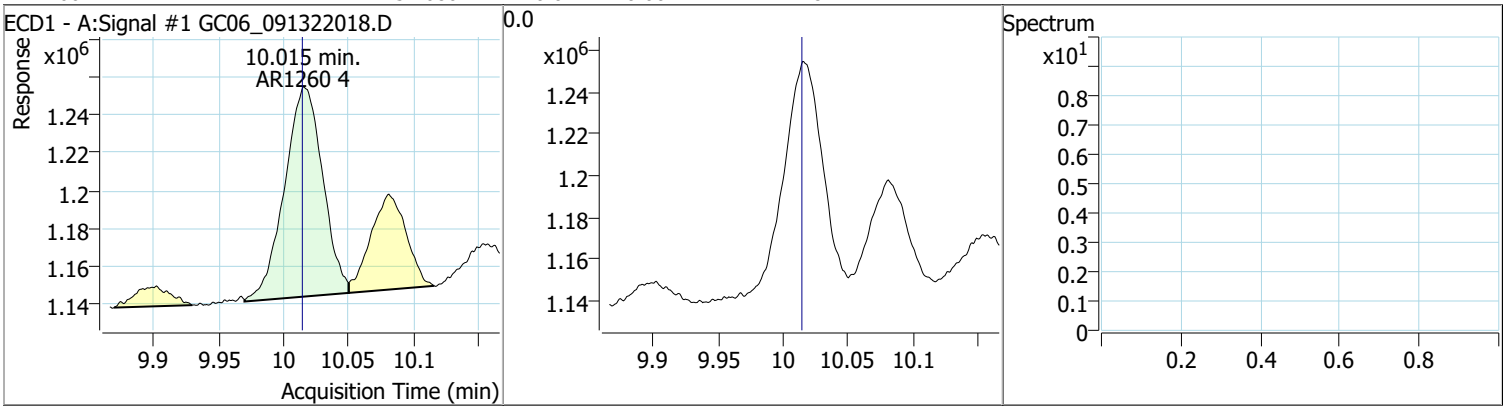
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	52.1226	9.37	-0.01	398858				



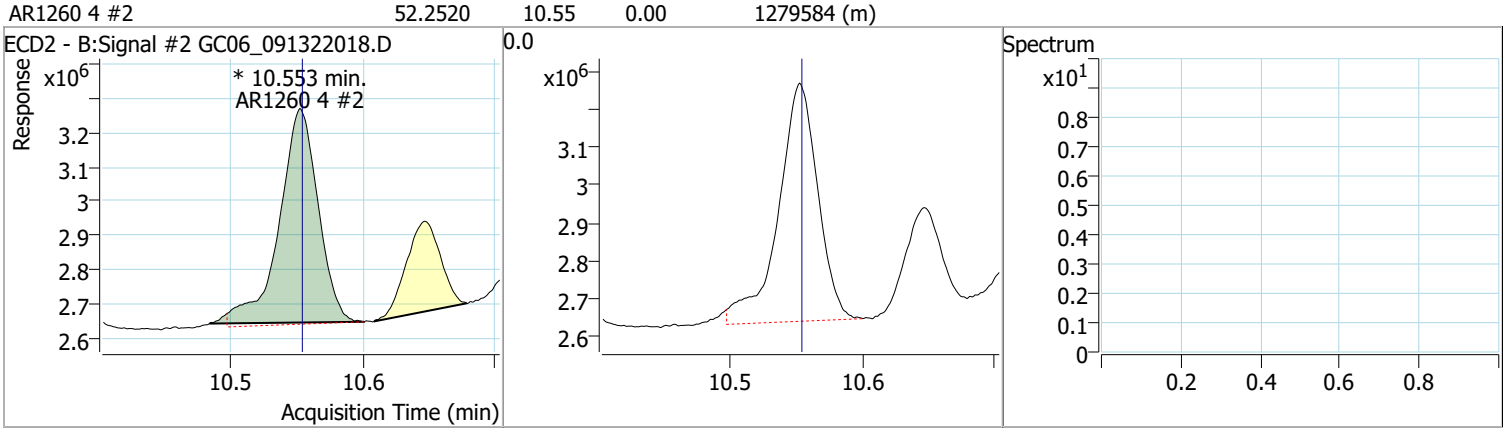
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	51.7341	9.98	0.00	1914222				



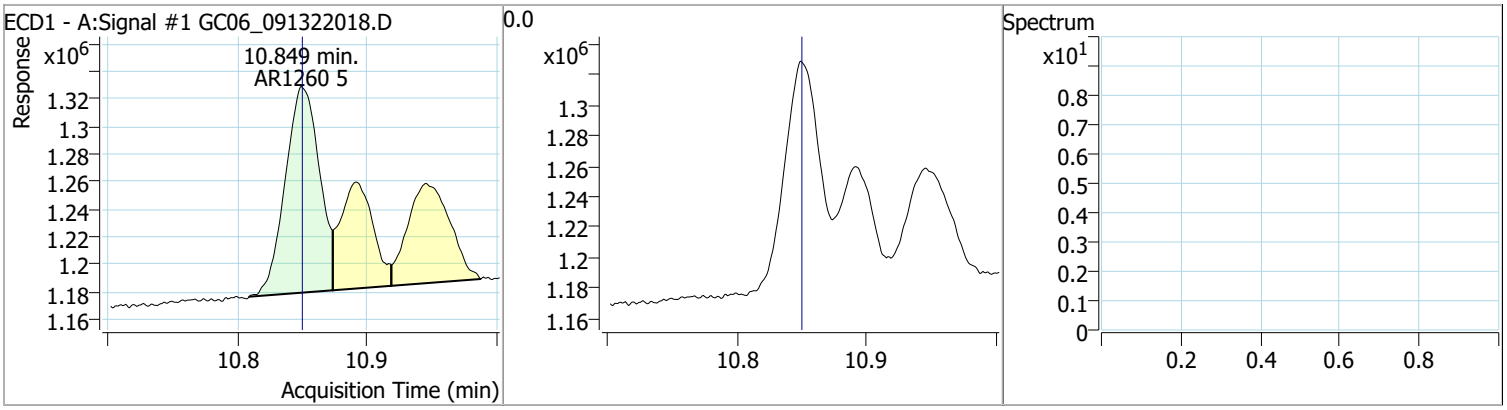
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	52.6802	10.02	0.00	227418				



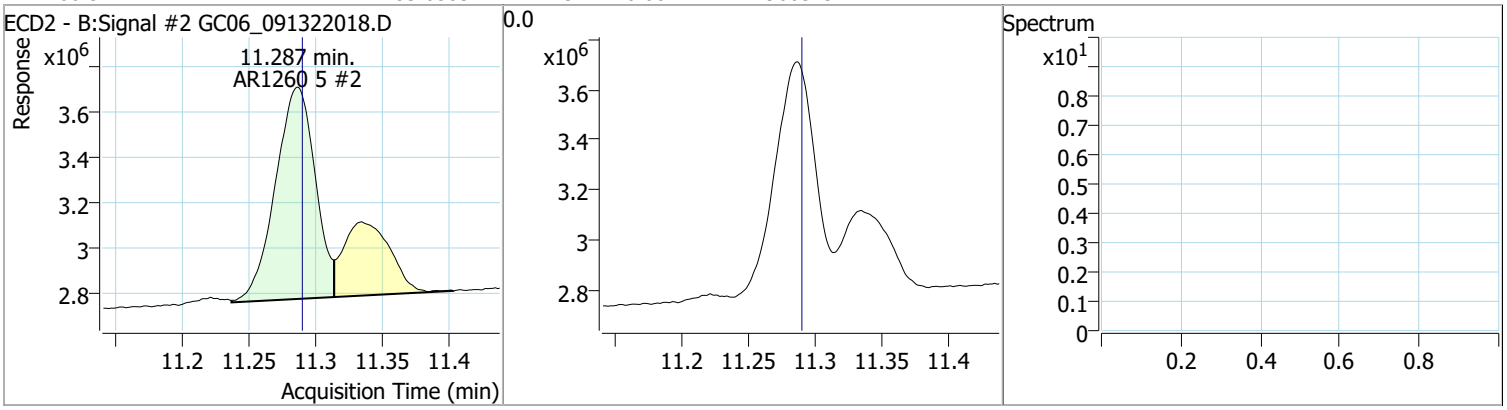
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	52.2520	10.55	0.00	1279584 (m)				



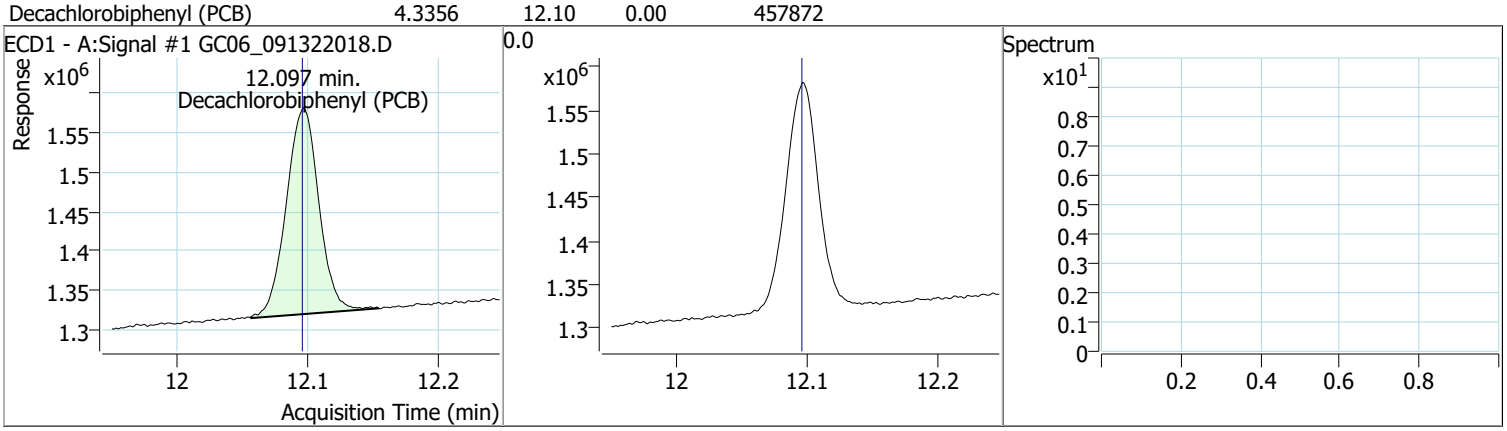
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	51.0625	10.85	0.00	272927				



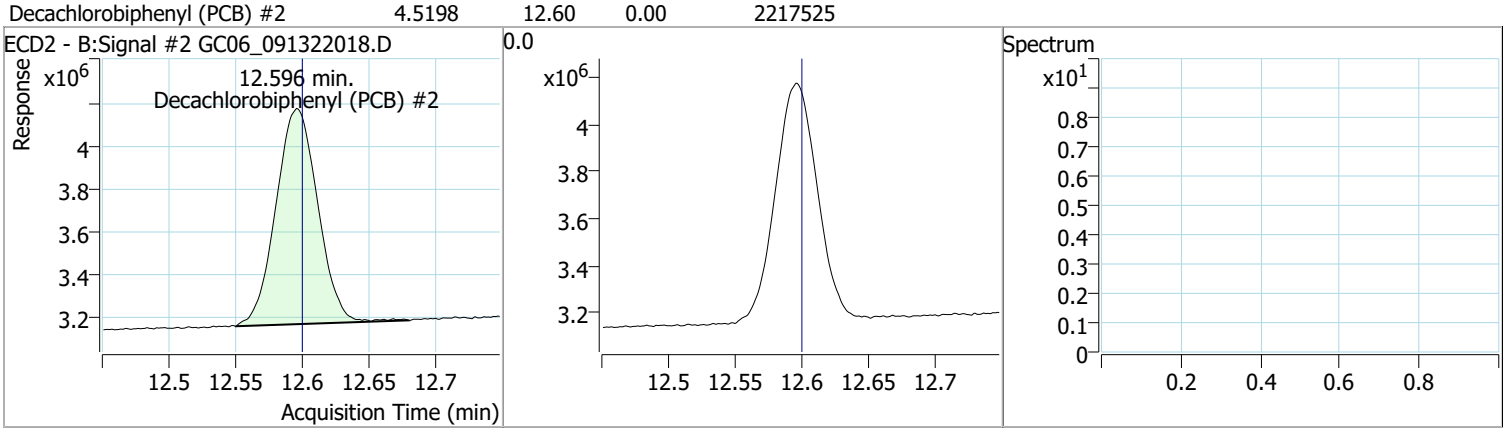
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	53.6583	11.29	0.00	1960329				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.3356	12.10	0.00	457872				

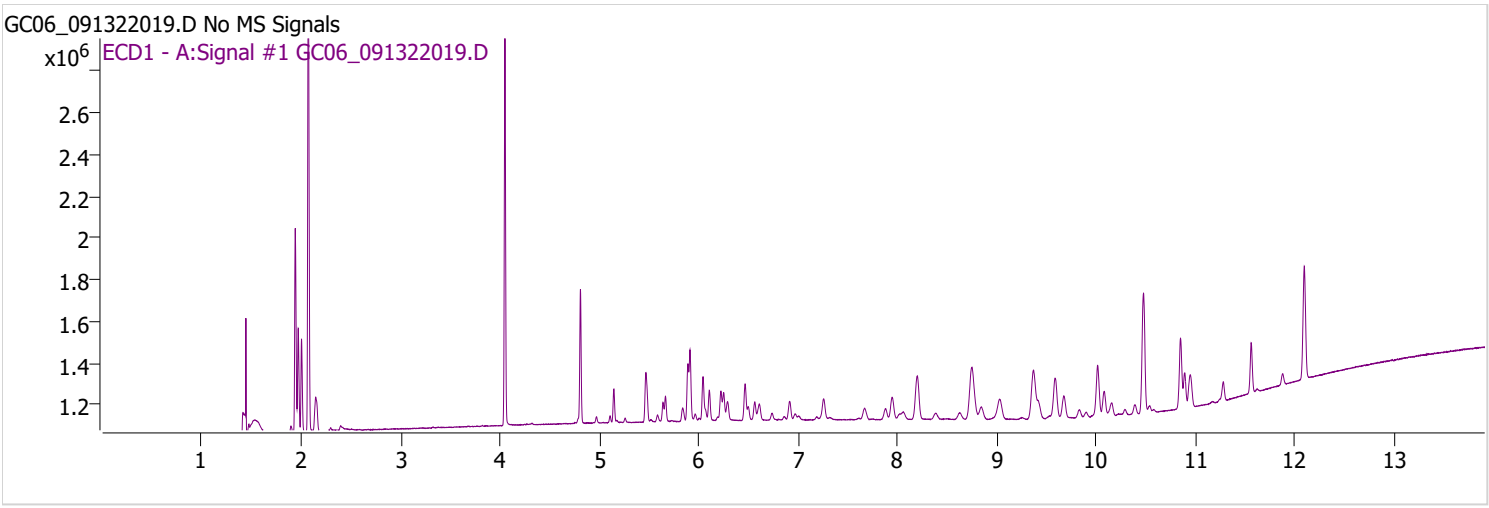


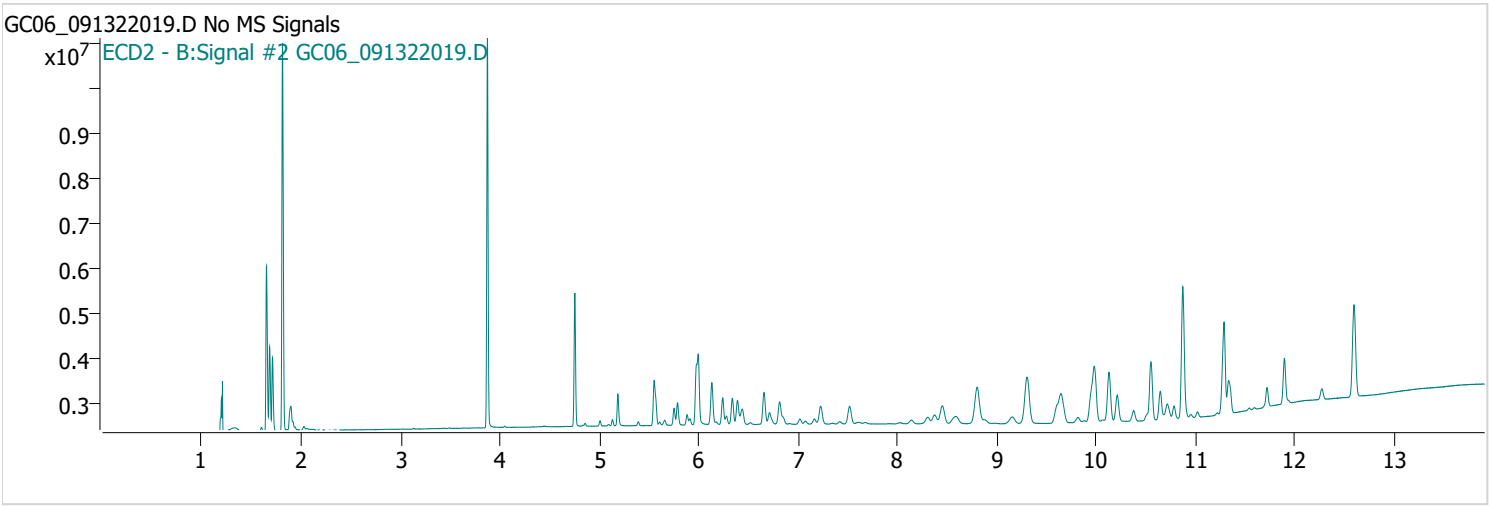
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.5198	12.60	0.00	2217525				



Quantitation Results Report (Not Reviewed)

Data File	GC06_091322019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 1:14:26 AM
Sample Name	ICAL, S16585, 20	Instrument	SVOA-GC06
Vial	43	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



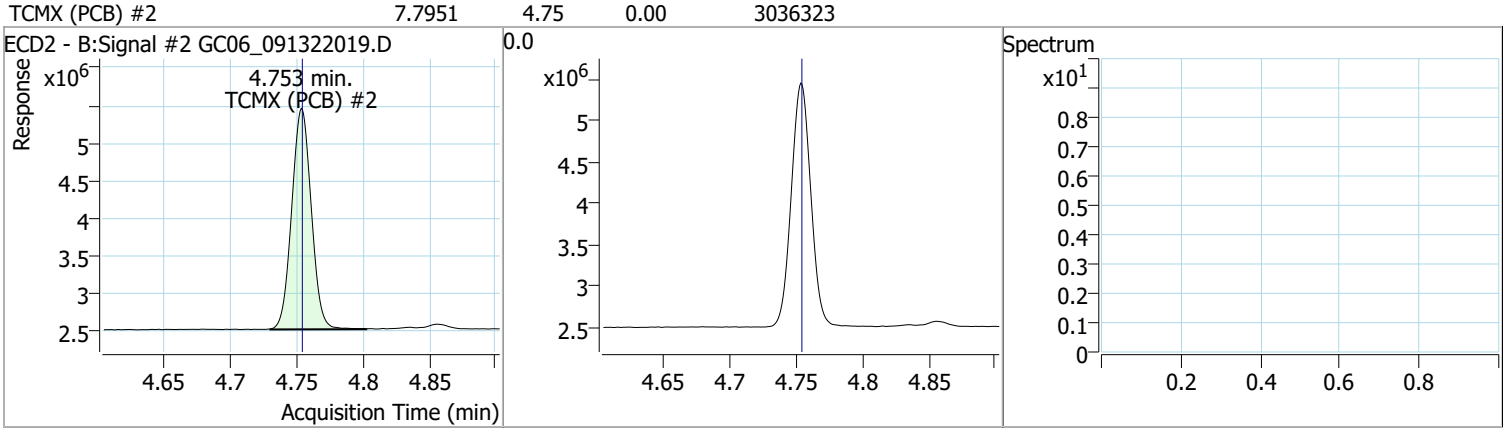


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.873	0.0	7956936.394	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.050	0.0	1690589.817	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.753	0.0	3036323.152	7.7951	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 38.98%		*	
S TCMX (PCB)	4.810	0.0	642544.303	7.9792	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 39.90%		*	
S Decachlorobiphenyl (PCB)	12.095	0.0	985693.644	8.6932	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 43.47%		*	
S Decachlorobiphenyl (PCB) #2	12.596	0.0	4558653.679	8.6369	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 43.18%		*	
Target Compounds							QValue
T AR1016 1	5.147	0.0	177576.104	107.1480	ng/ml		100

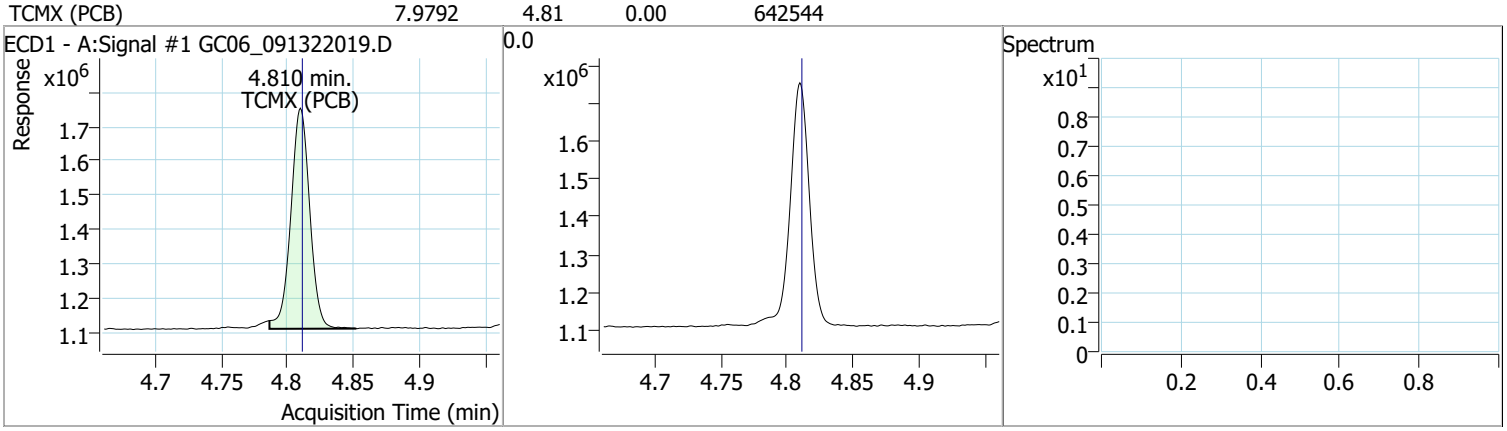
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1 #2	5.187	0.0	834017.410	104.2725	ng/ml		100
T AR1016 2	5.469	0.0	380870.850	107.5172	ng/ml		100
T AR1016 2 #2	5.552	0.0	1813081.285	108.6860	ng/ml		100
T AR1016 3	5.913	0.0	436021.300	104.4162	ng/ml		100
T AR1016 3 #2	5.996	0.0	2415020.049	111.2706	ng/ml	m	100
T AR1016 4	6.044	0.0	333169.287	106.0017	ng/ml		100
T AR1016 4 #2	6.133	0.0	1530973.530	106.7580	ng/ml	m	100
T AR1016 5	6.468	0.0	267674.319	106.4922	ng/ml		100
T AR1016 5 #2	6.658	0.0	1284252.415	106.0657	ng/ml		100
T AR1260 1	8.201	0.0	540934.989	108.7702	ng/ml		100
T AR1260 2	8.751	0.0	823418.665	104.9334	ng/ml		100
T AR1260 1 #2	8.801	0.0	2862733.125	103.8596	ng/ml	m	100
T AR1260 2 #2	9.303	0.0	3388988.700	109.5226	ng/ml		100
T AR1260 3	9.370	0.0	855296.550	104.1016	ng/ml	m	100
T AR1260 3 #2	9.981	0.0	4255747.898	106.9126	ng/ml		100
T AR1260 4	10.014	0.0	501634.754	108.2286	ng/ml		100
T AR1260 4 #2	10.550	0.0	2783015.150	105.6374	ng/ml	m	100
T AR1260 5	10.849	0.0	606849.438	105.7473	ng/ml		100
T AR1260 5 #2	11.288	0.0	4209632.531	107.1075	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

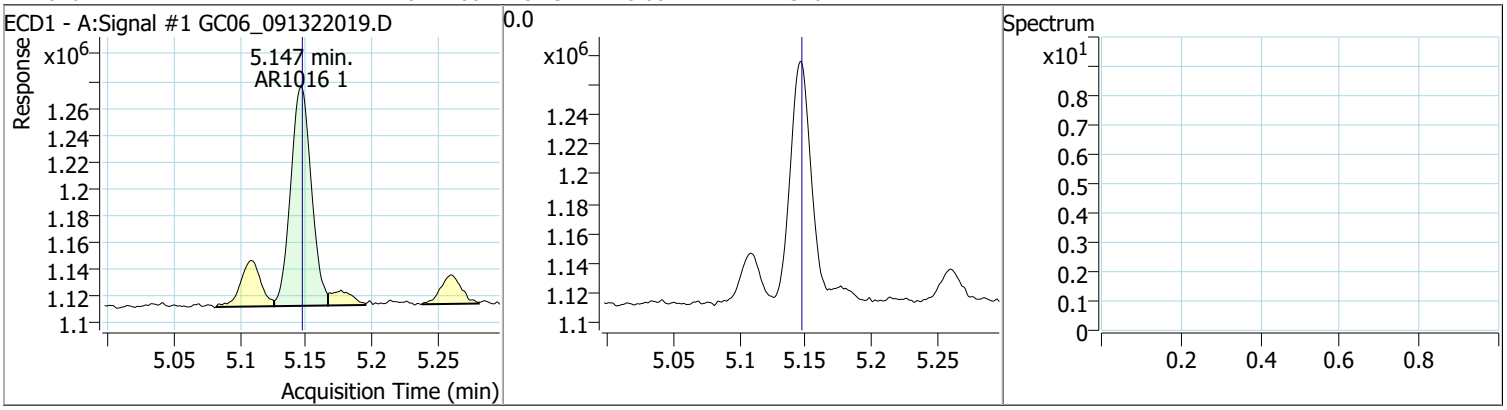
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	7.7951	4.75	0.00	3036323				



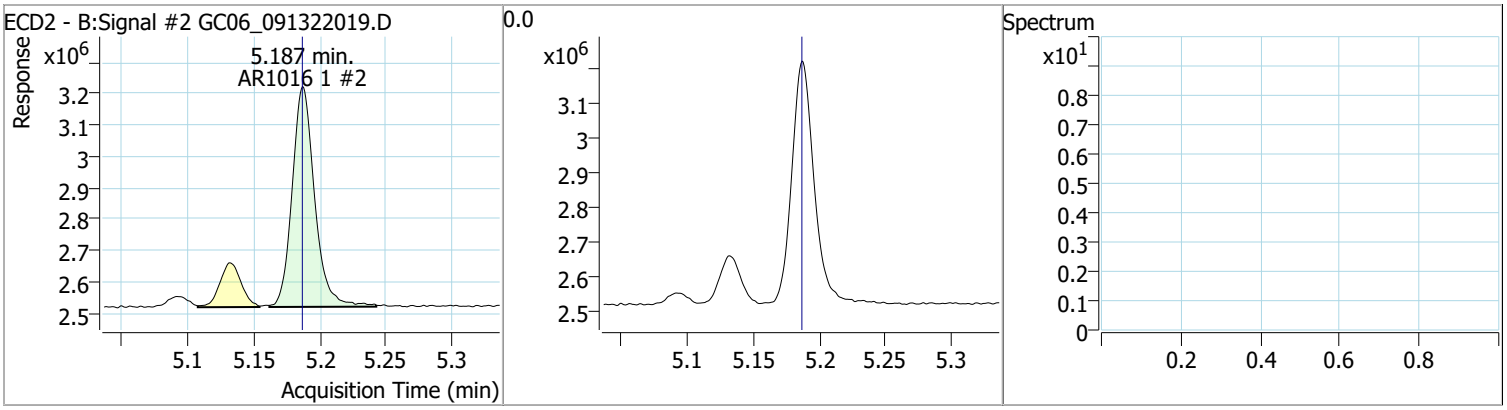
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	7.9792	4.81	0.00	642544				



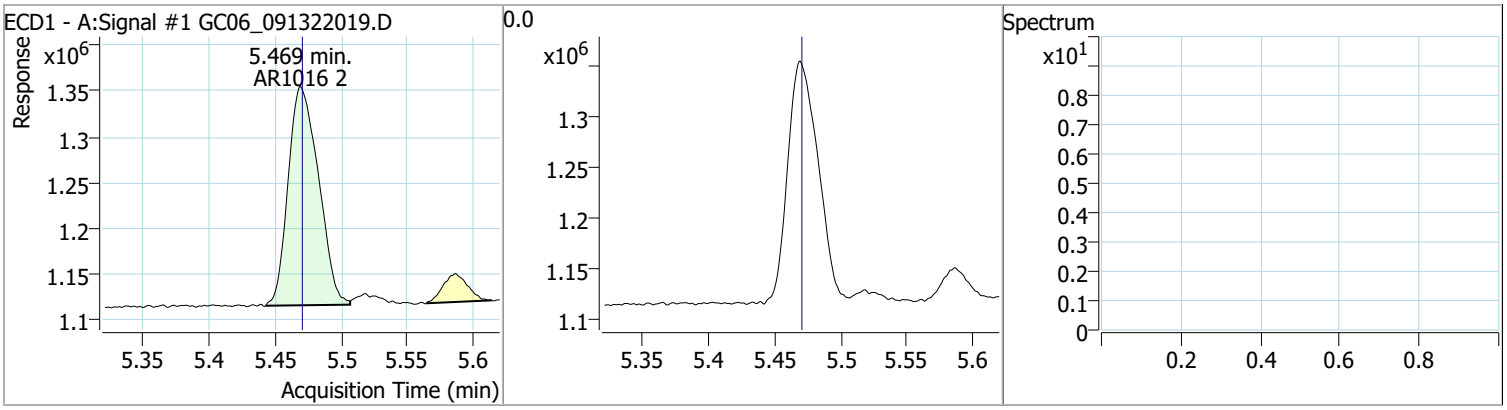
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	107.1480	5.15	0.00	177576				



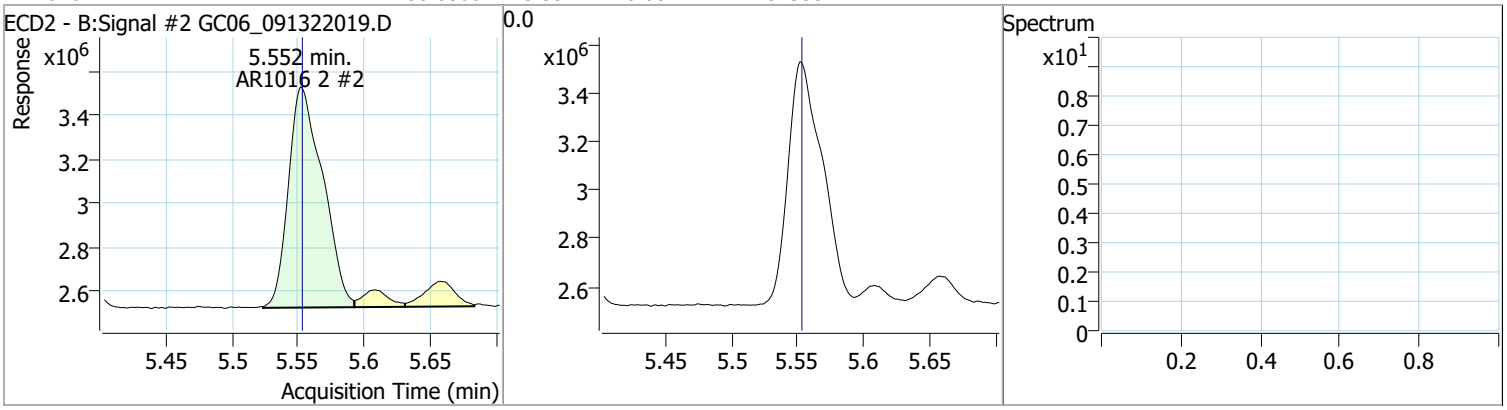
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	104.2725	5.19	0.00	834017				



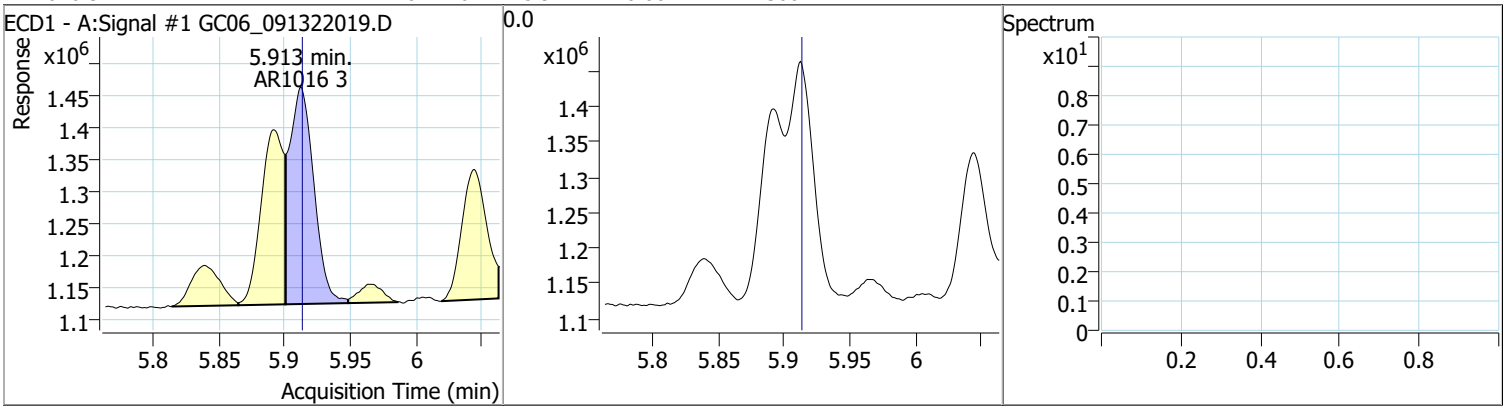
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	107.5172	5.47	0.00	380871				



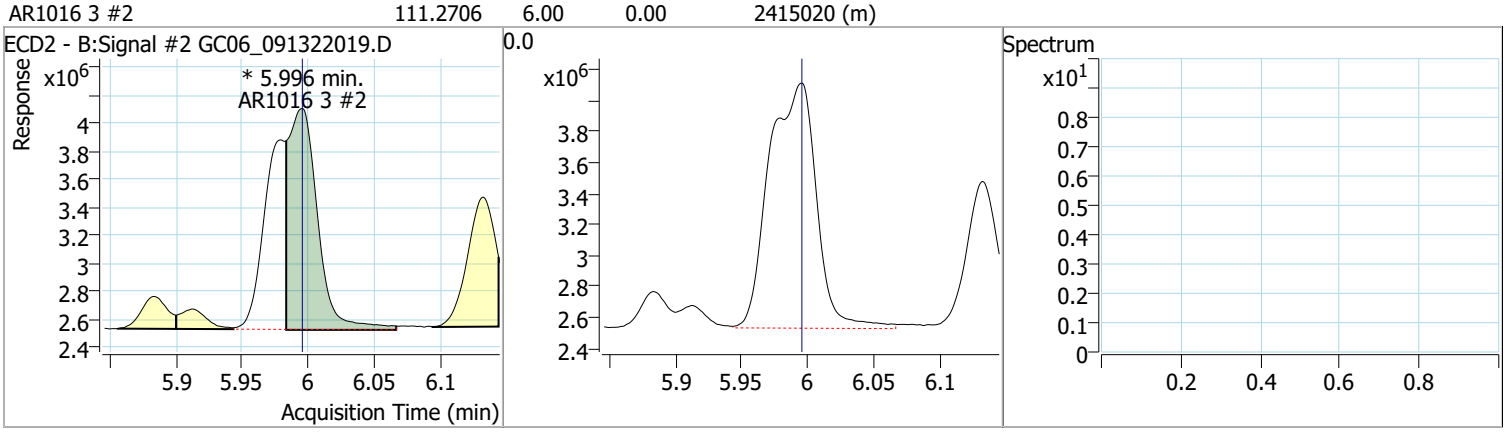
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	108.6860	5.55	0.00	1813081				



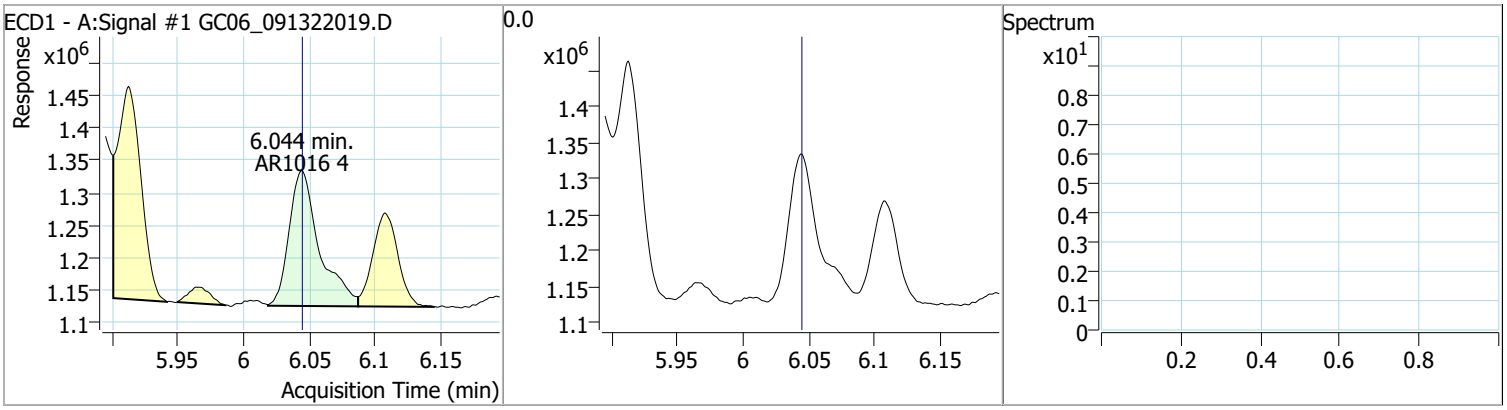
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	104.4162	5.91	0.00	436021				



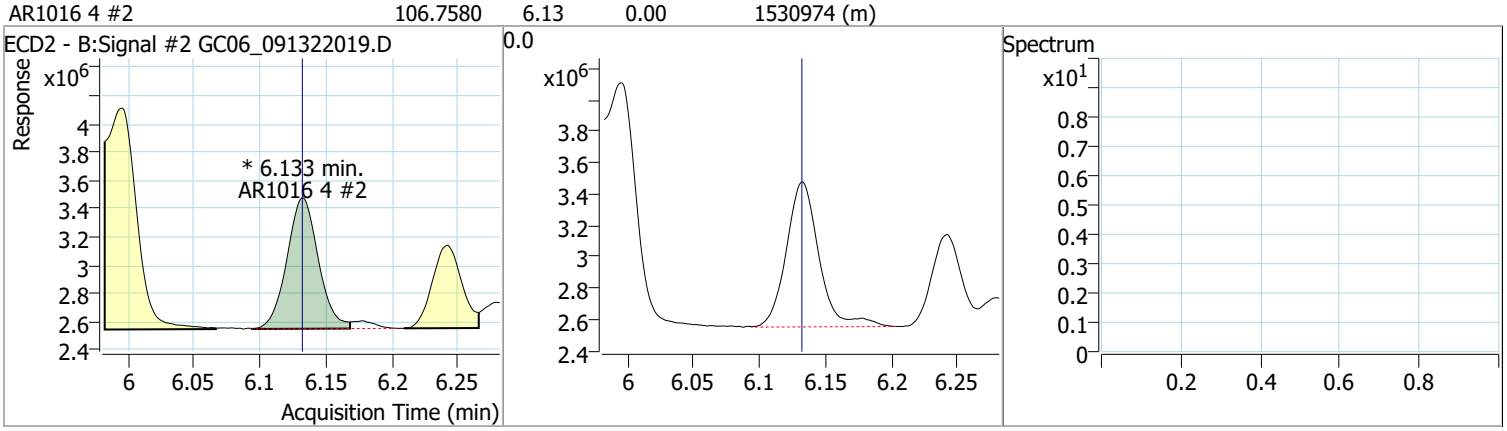
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	111.2706	6.00	0.00	2415020 (m)				



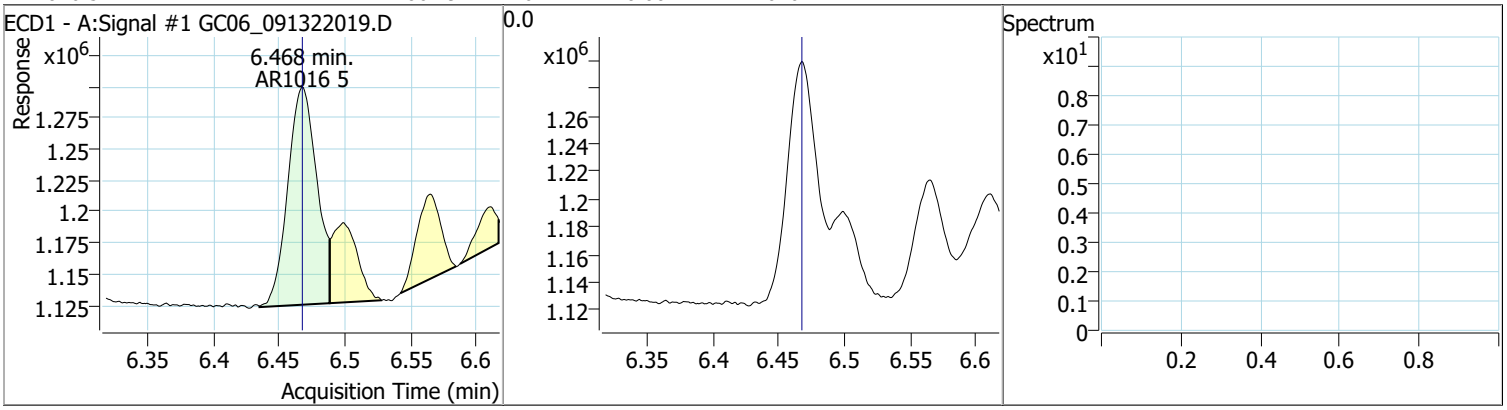
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	106.0017	6.04	0.00	333169				



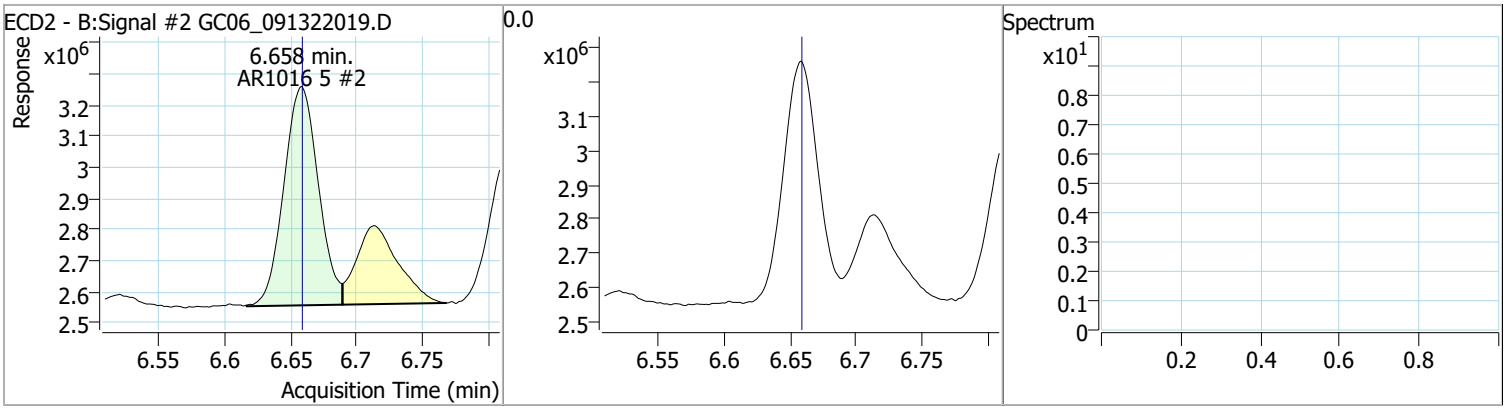
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	106.7580	6.13	0.00	1530974 (m)				



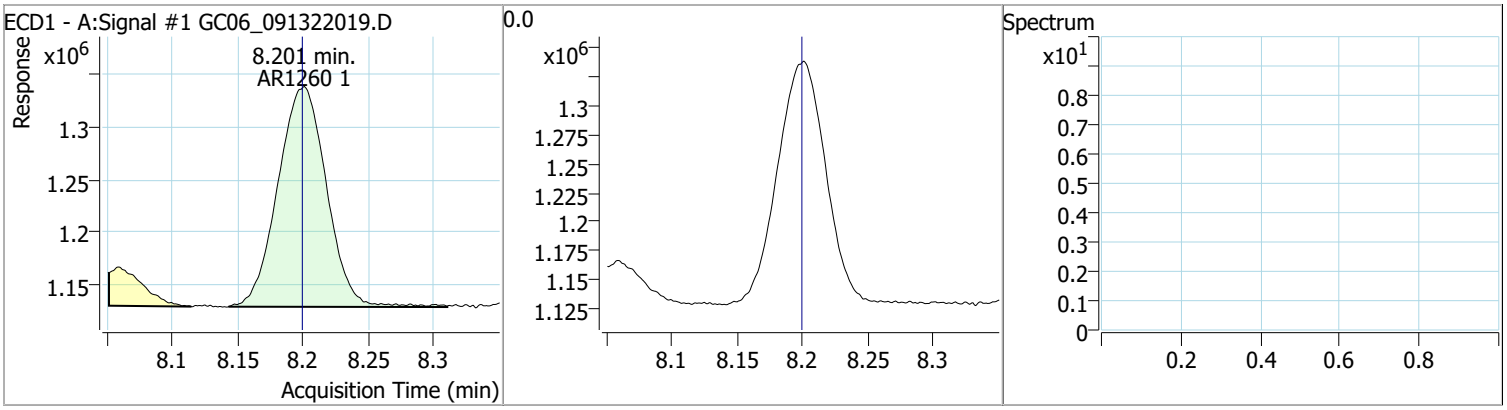
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	106.4922	6.47	0.00	267674				



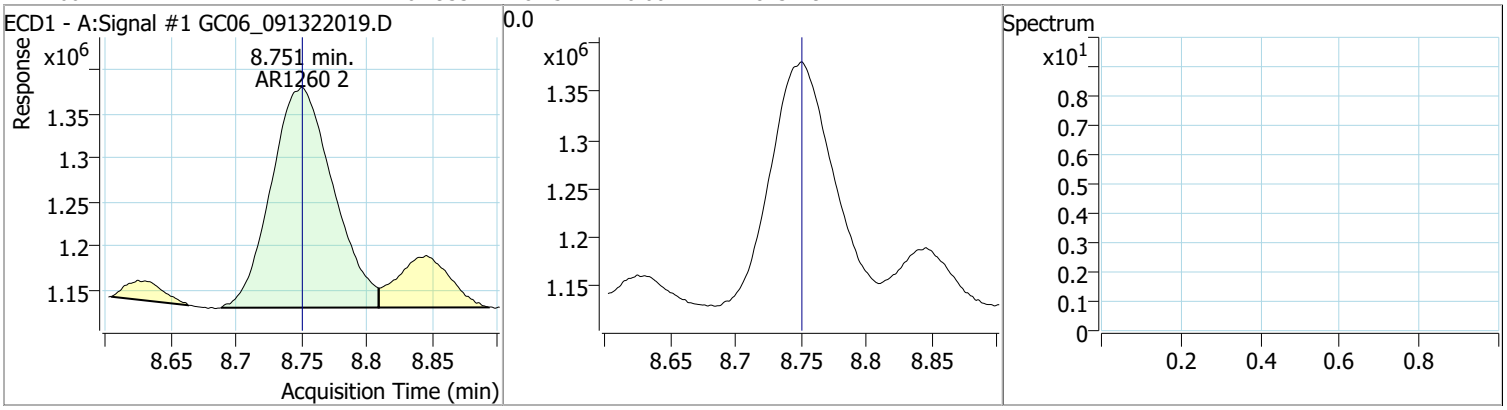
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	106.0657	6.66	0.00	1284252				



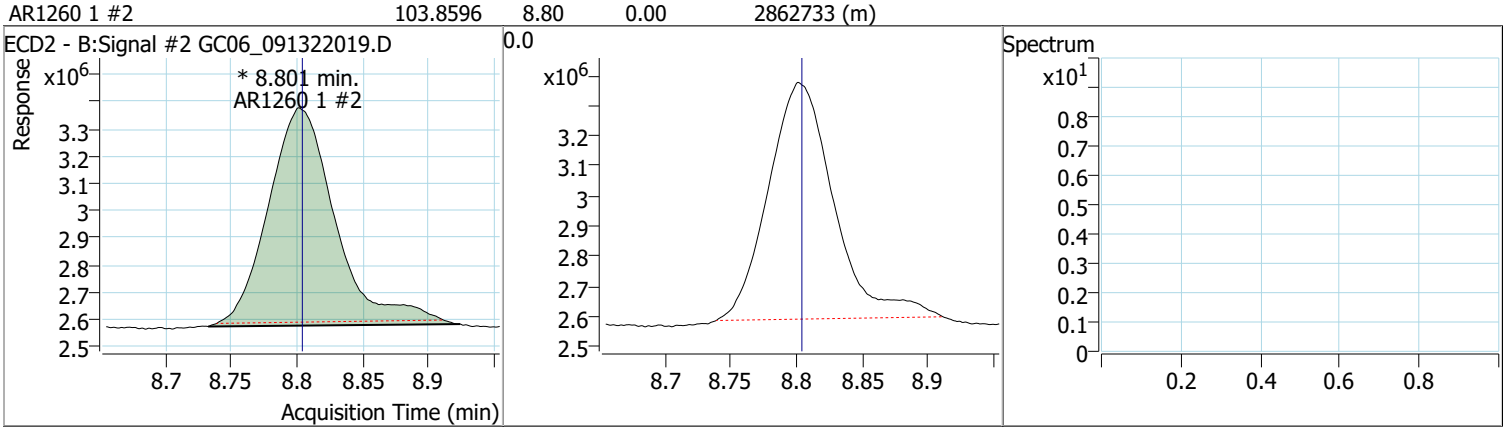
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	108.7702	8.20	0.00	540935				



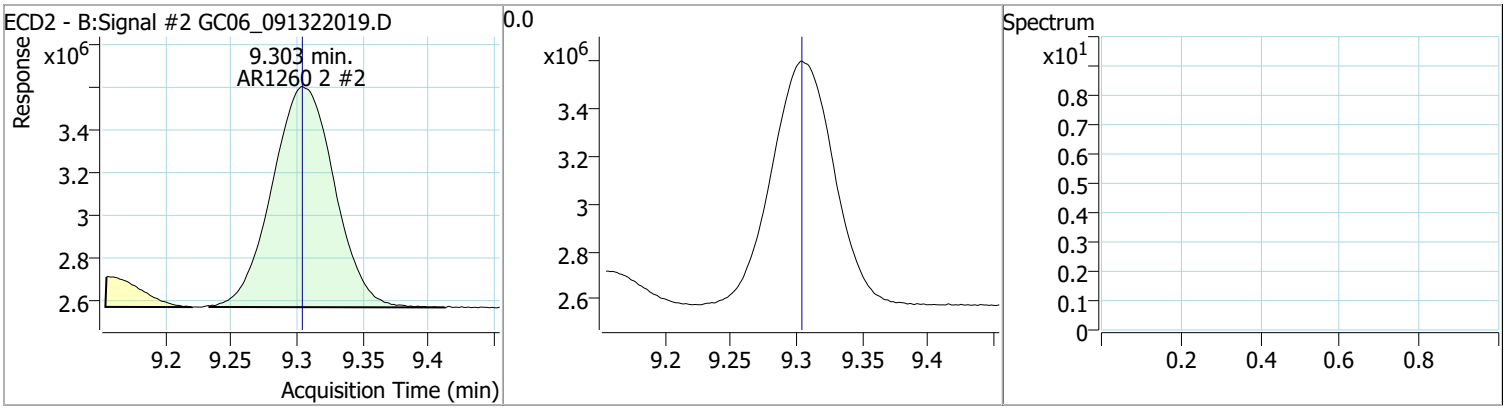
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	104.9334	8.75	0.00	823419				



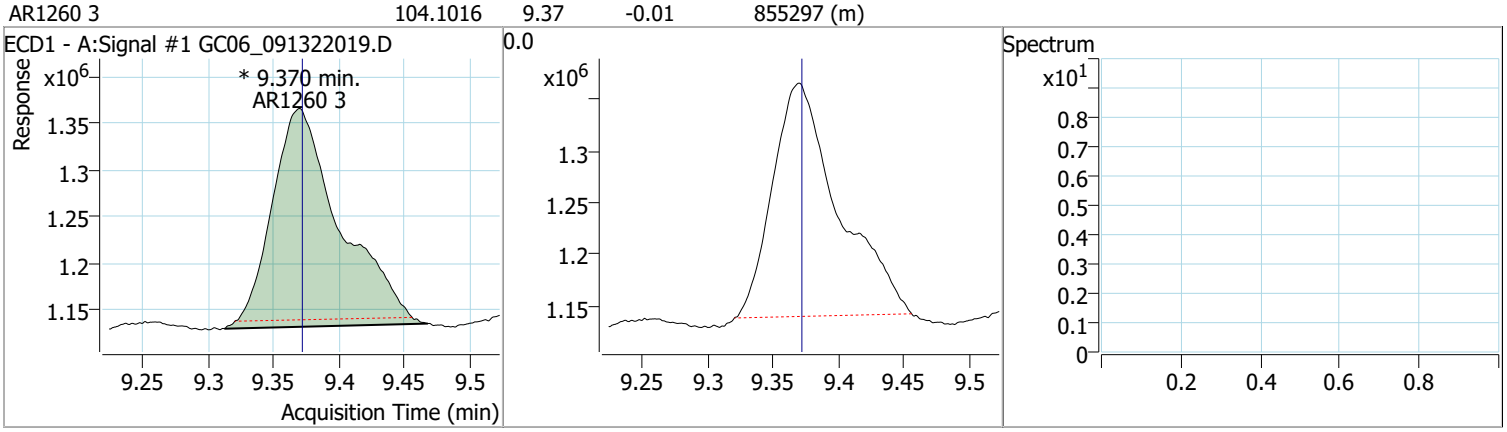
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	103.8596	8.80	0.00	2862733 (m)				



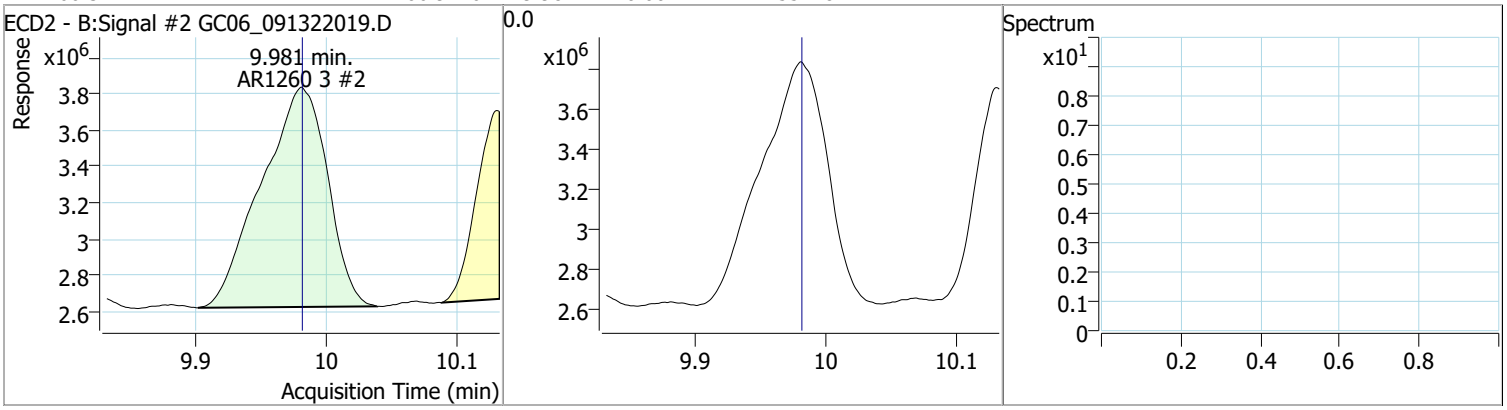
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	109.5226	9.30	0.00	3388989				



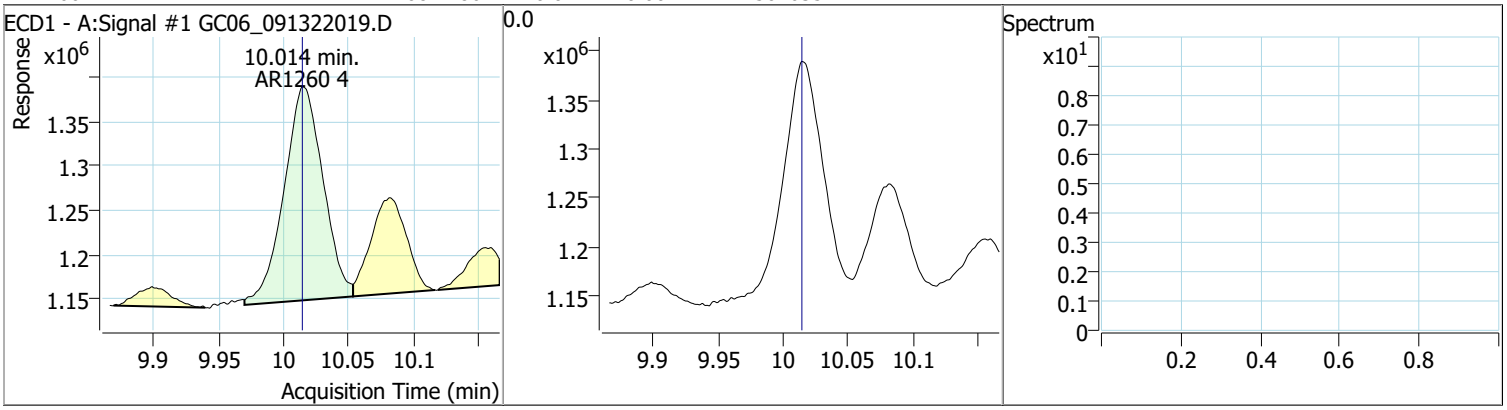
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	104.1016	9.37	-0.01	855297 (m)				



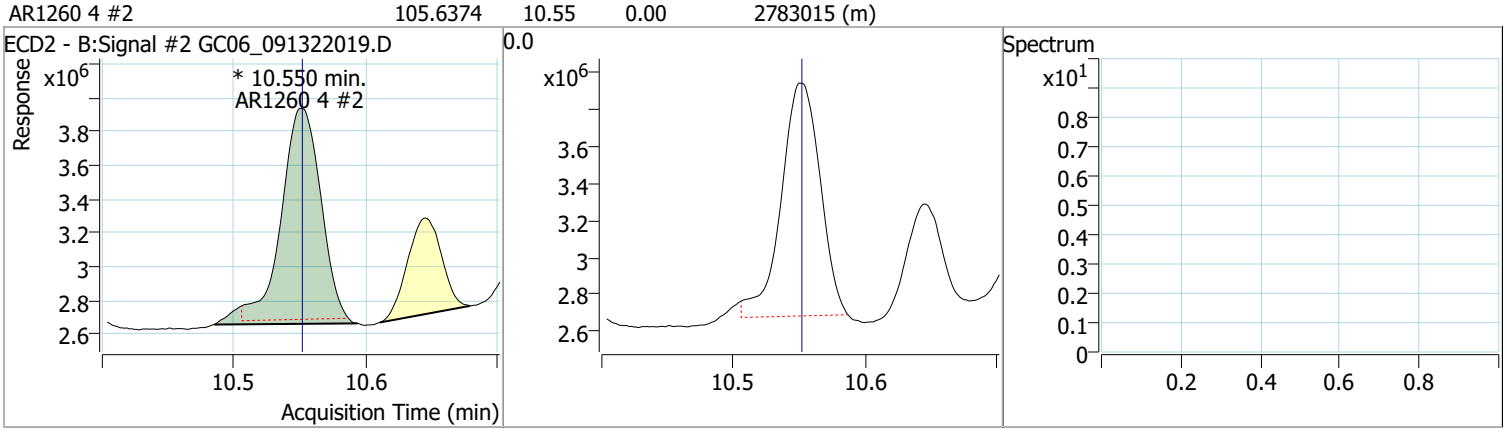
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	106.9126	9.98	0.00	4255748				



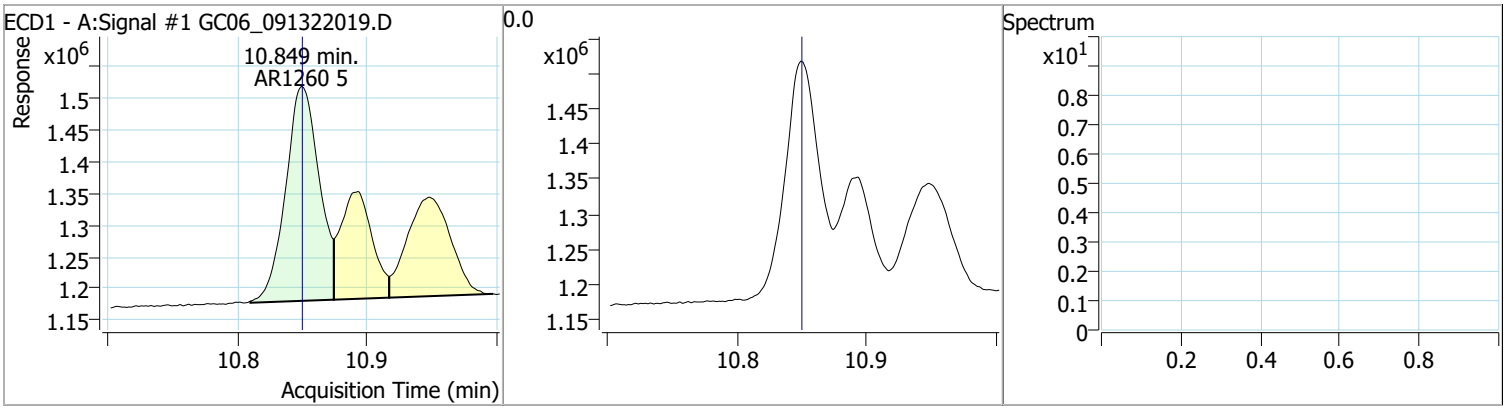
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	108.2286	10.01	0.00	501635				



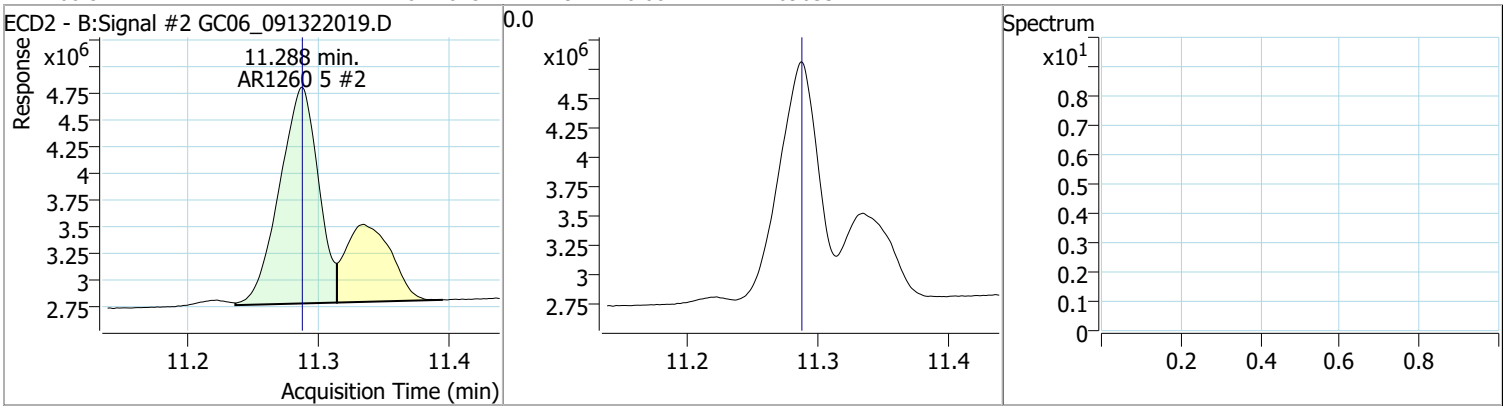
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	105.6374	10.55	0.00	2783015 (m)				



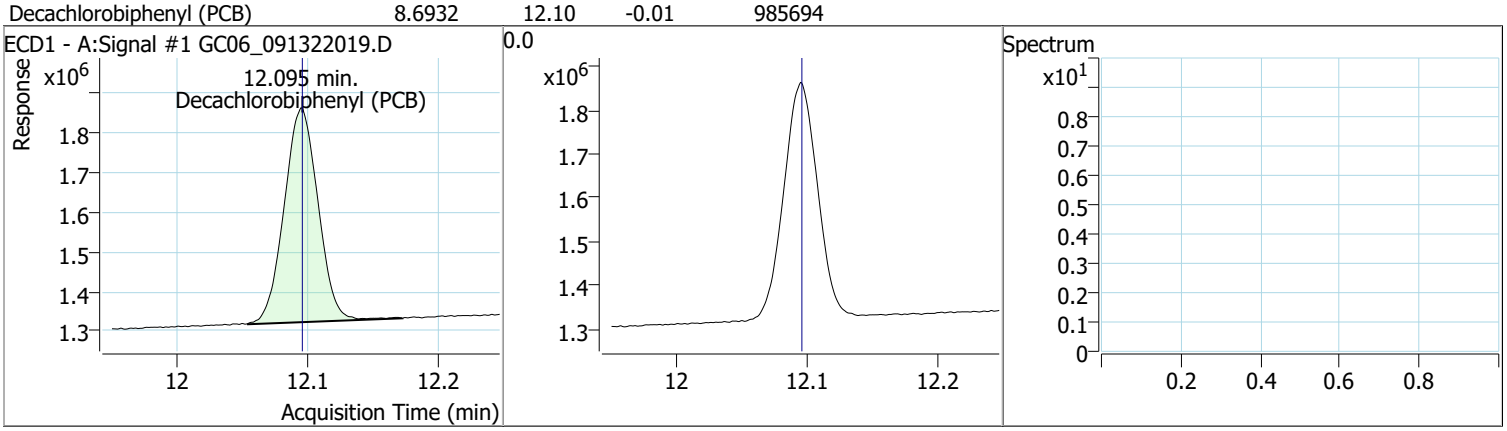
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	105.7473	10.85	0.00	606849				



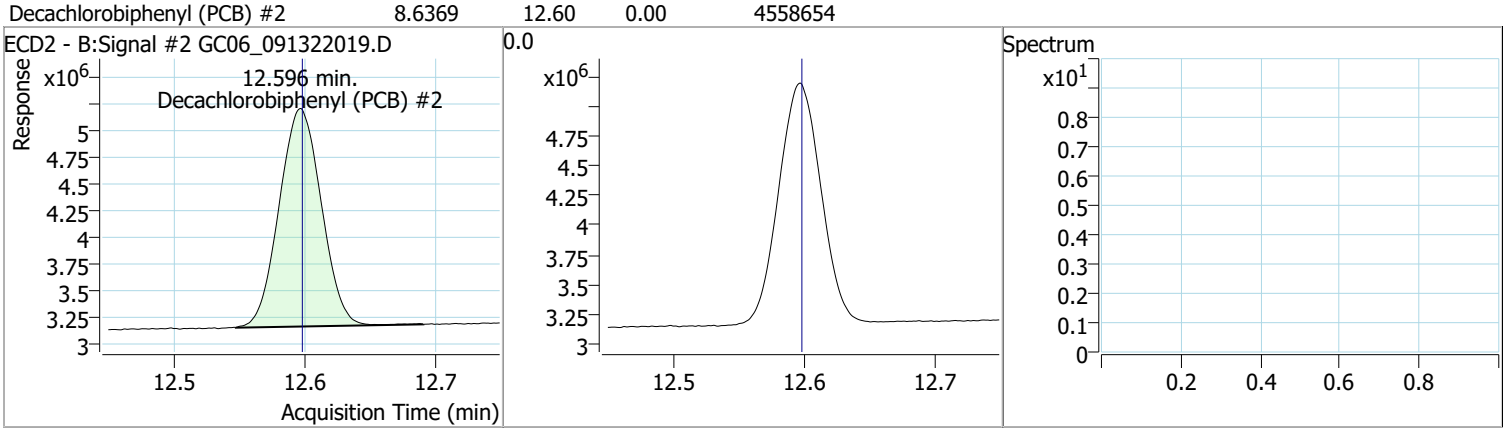
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	107.1075	11.29	0.00	4209633				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.6932	12.10	-0.01	985694				

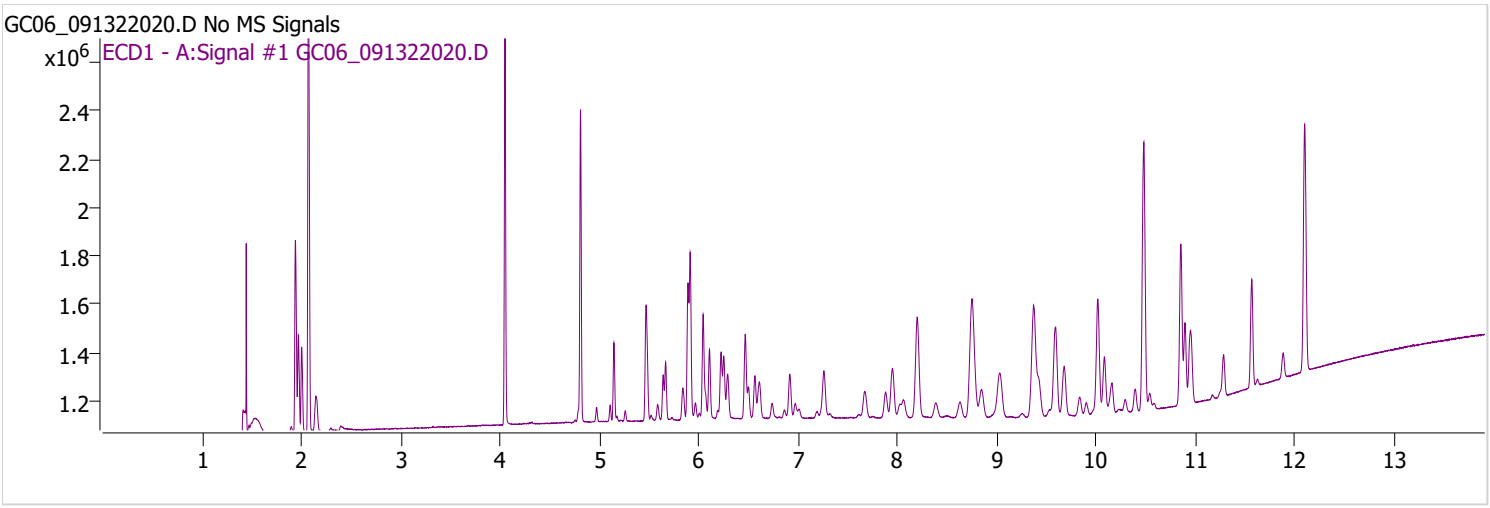


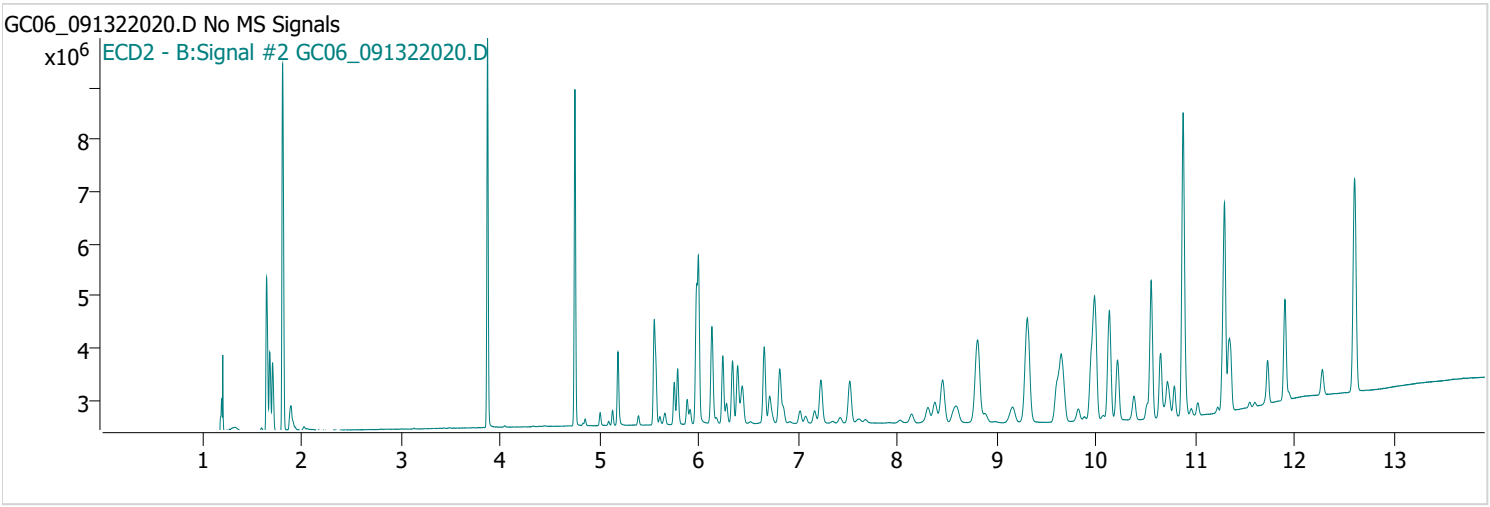
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	8.6369	12.60	0.00	4558654				



Quantitation Results Report (Not Reviewed)

Data File	GC06_091322020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 1:31:47 AM
Sample Name	ICAL, S16585, 8	Instrument	SVOA-GC06
Vial	44	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



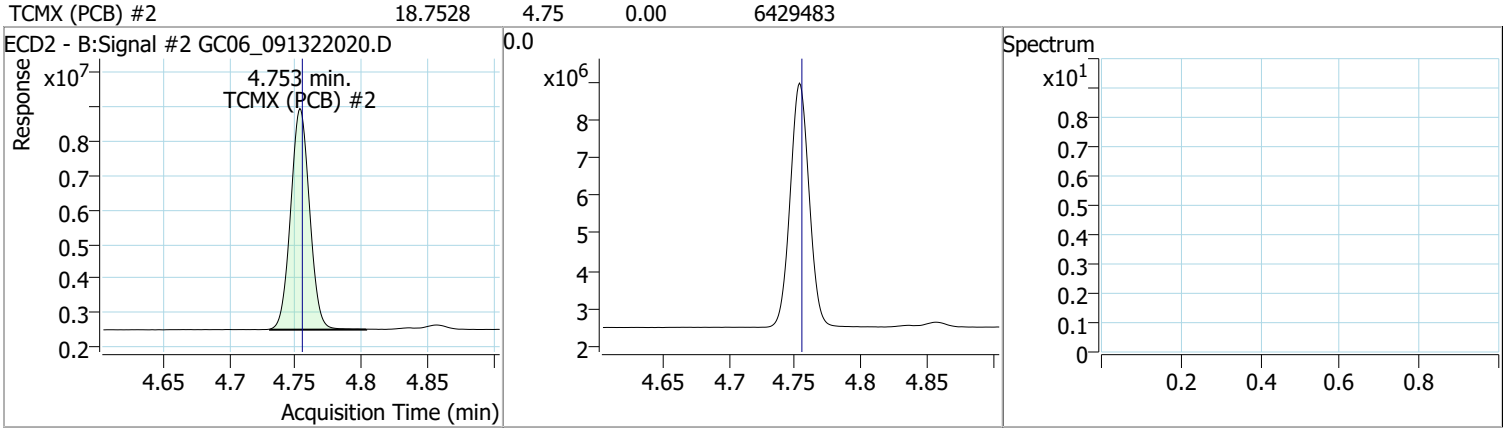


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	7003690.419	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB)	4.050	0.0	1491456.193	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB) #2	4.753	0.0	6429482.945	18.7528	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.76%		
S TCMX (PCB)	4.810	0.0	1341674.456	18.8857	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.43%		
S Decachlorobiphenyl (PCB)	12.096	0.0	1905760.388	19.0517	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.26%		
S Decachlorobiphenyl (PCB) #2	12.598	0.0	8863175.874	19.0779	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.39%		
Target Compounds						QValue

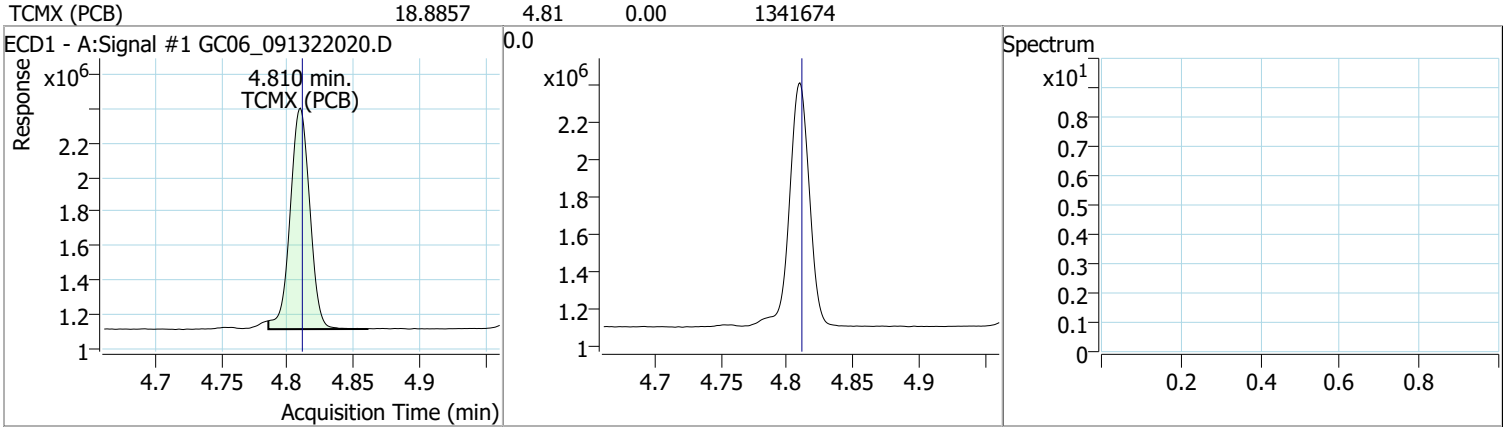
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.146	0.0	358031.604	244.8775	ng/ml		100
T AR1016 1 #2	5.187	0.0	1718788.184	244.1383	ng/ml		100
T AR1016 2	5.469	0.0	768186.507	245.8072	ng/ml		100
T AR1016 2 #2	5.552	0.0	3653354.323	248.8096	ng/ml		100
T AR1016 3	5.913	0.0	883762.513	239.8962	ng/ml		100
T AR1016 3 #2	5.995	0.0	4555791.509	238.4748	ng/ml	m	100
T AR1016 4	6.043	0.0	668437.555	241.0663	ng/ml		100
T AR1016 4 #2	6.132	0.0	3137288.338	248.5456	ng/ml		100
T AR1016 5	6.467	0.0	529403.210	238.7401	ng/ml		100
T AR1016 5 #2	6.658	0.0	2641587.938	247.8612	ng/ml		100
T AR1260 1	8.197	0.0	1058971.165	241.3663	ng/ml		100
T AR1260 2	8.750	0.0	1627428.375	235.0838	ng/ml		100
T AR1260 1 #2	8.805	0.0	5930954.145	244.4609	ng/ml		100
T AR1260 2 #2	9.306	0.0	6528251.142	239.6897	ng/ml		100
T AR1260 3	9.368	0.0	1729029.300	238.5453	ng/ml		100
T AR1260 3 #2	9.982	0.0	8410140.185	240.0353	ng/ml		100
T AR1260 4	10.015	0.0	975850.215	238.6521	ng/ml		100
T AR1260 4 #2	10.552	0.0	5458323.050	235.3859	ng/ml	m	100
T AR1260 5	10.851	0.0	1211015.369	239.2026	ng/ml		100
T AR1260 5 #2	11.289	0.0	8231306.381	237.9377	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

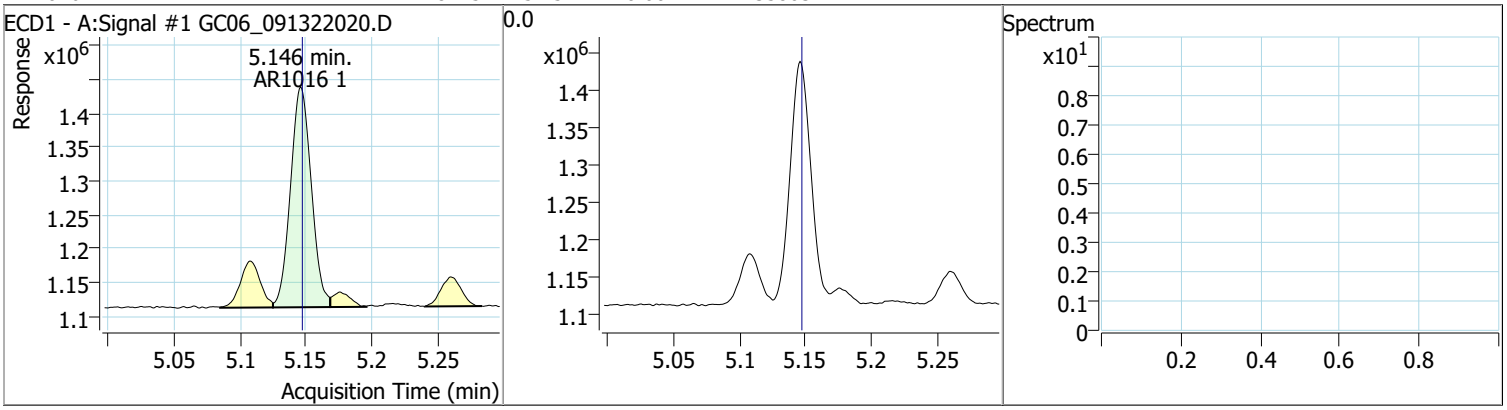
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.7528	4.75	0.00	6429483				



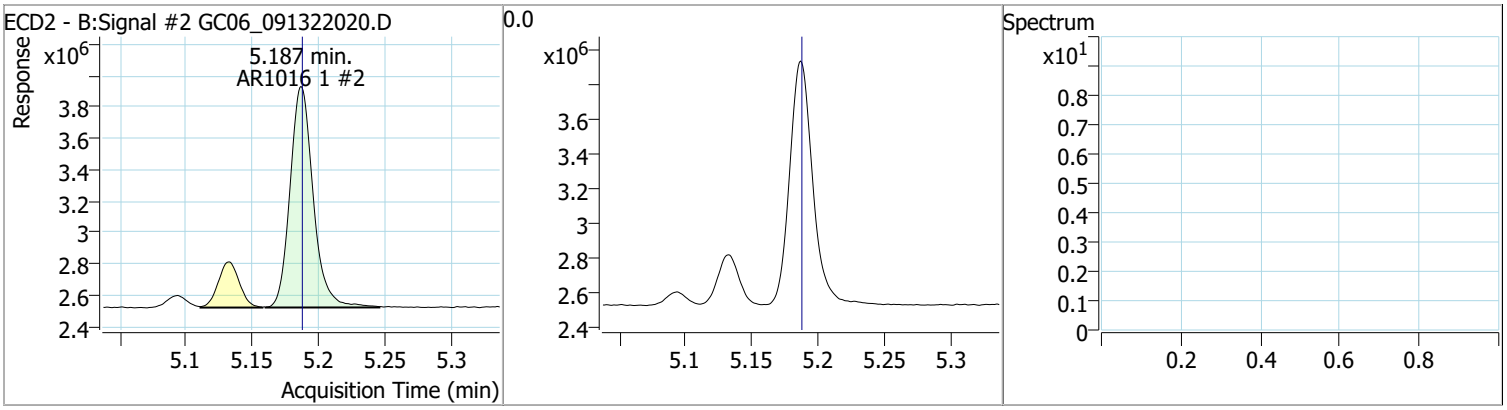
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.8857	4.81	0.00	1341674				



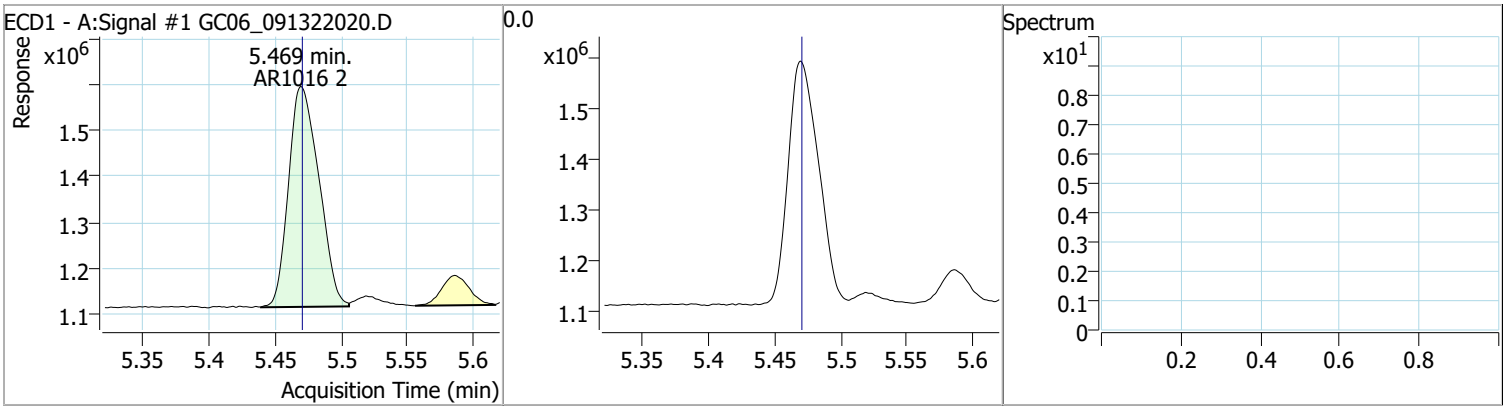
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	244.8775	5.15	0.00	358032				



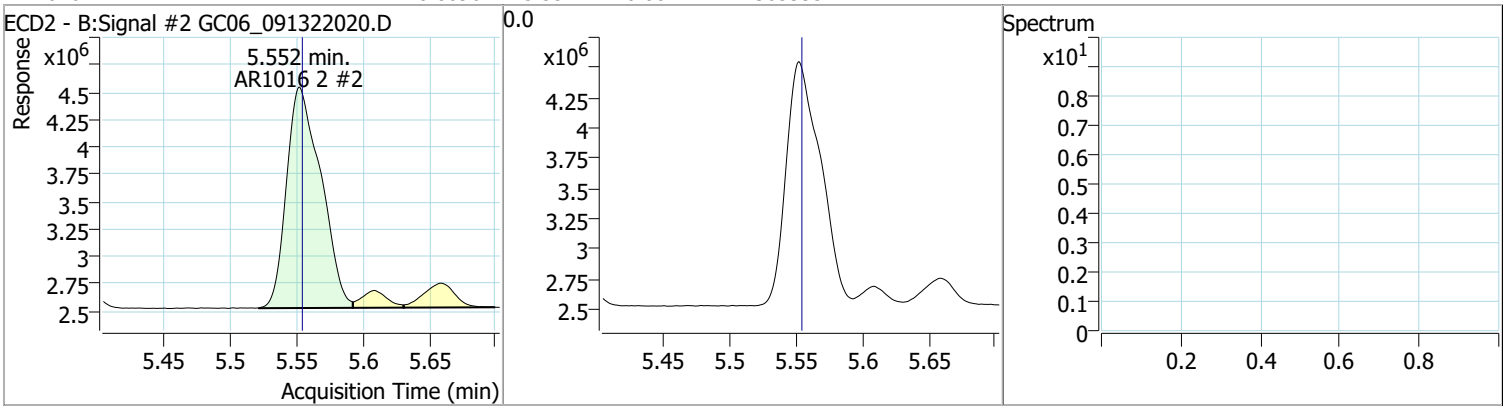
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AR1016 1 #2	244.1383	5.19	0.00	1718788				



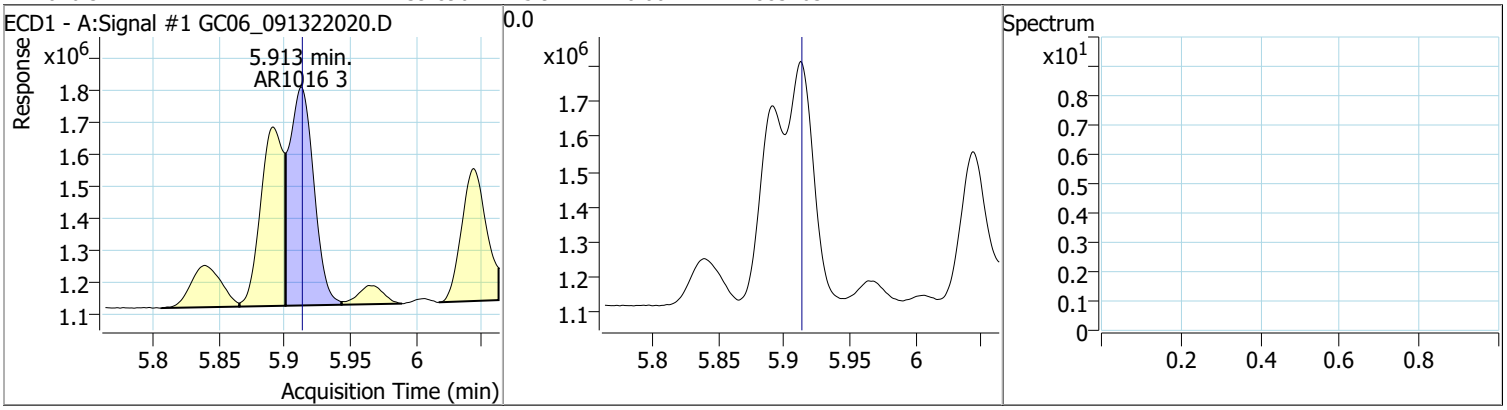
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	245.8072	5.47	0.00	768187				



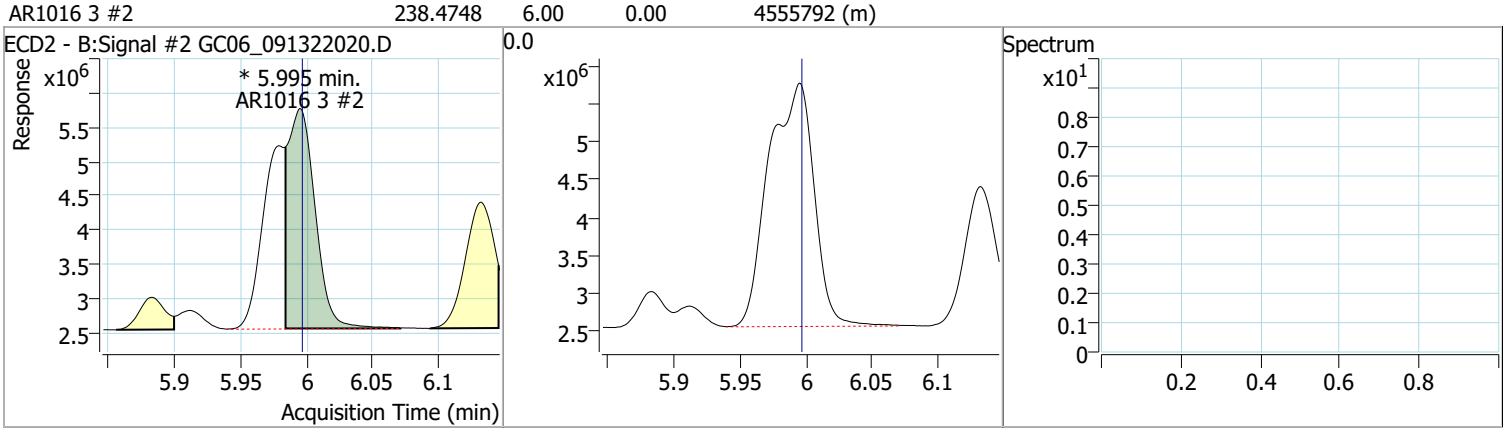
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	248.8096	5.55	0.00	3653354				



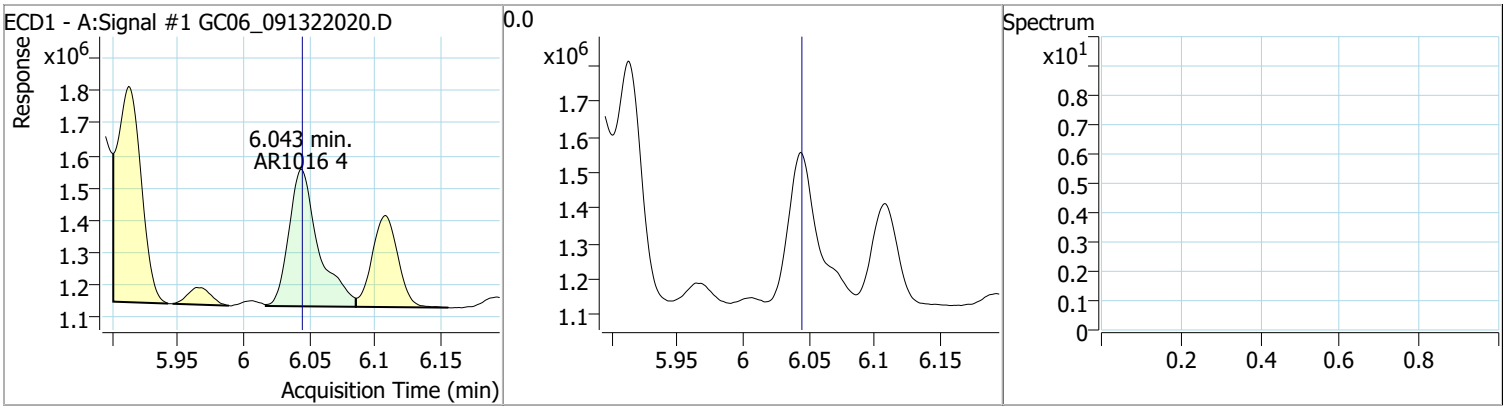
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	239.8962	5.91	0.00	883763				



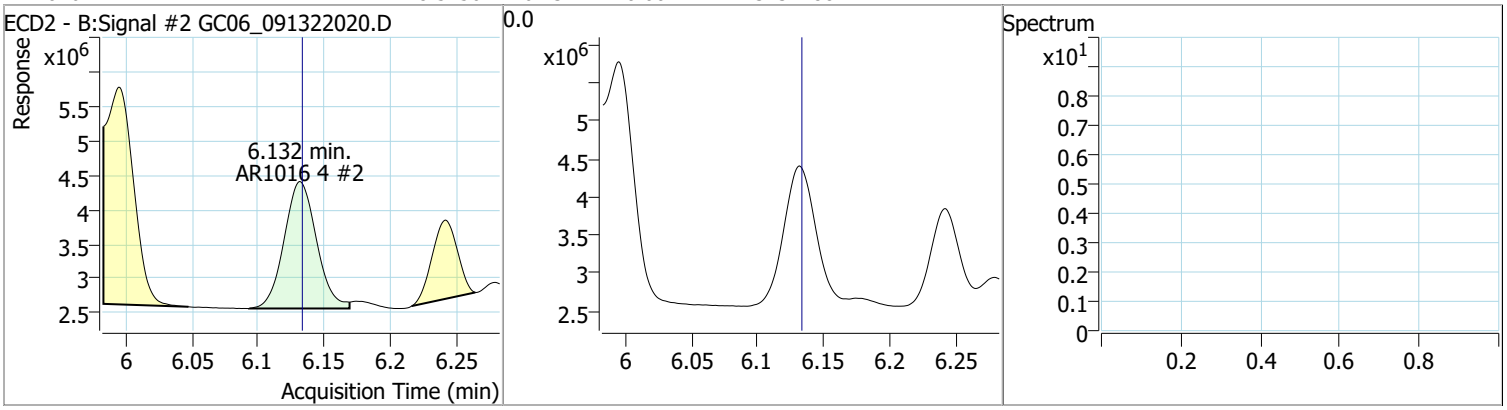
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	238.4748	6.00	0.00	4555792 (m)				



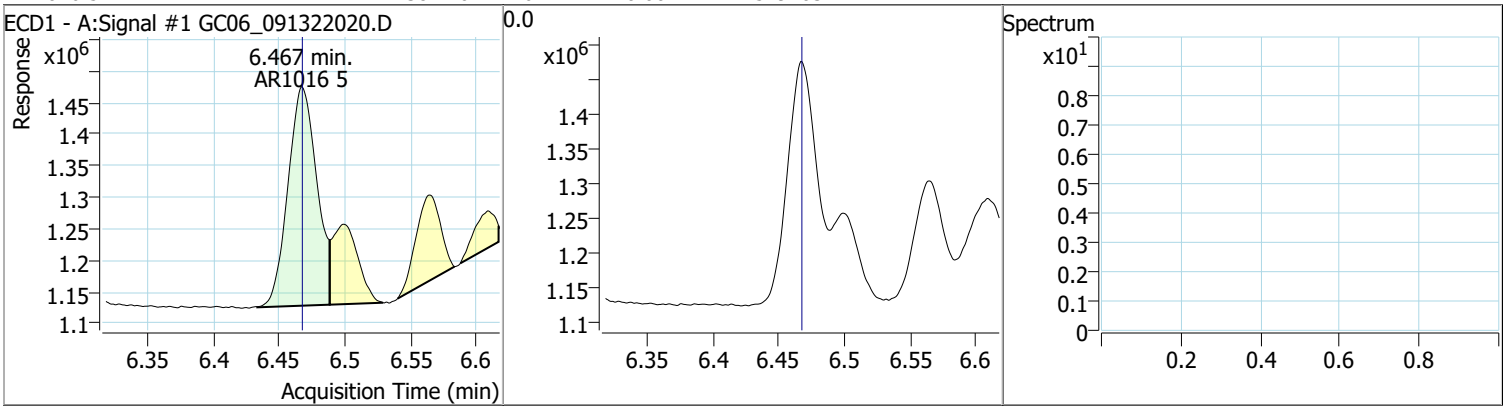
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	241.0663	6.04	0.00	668438				



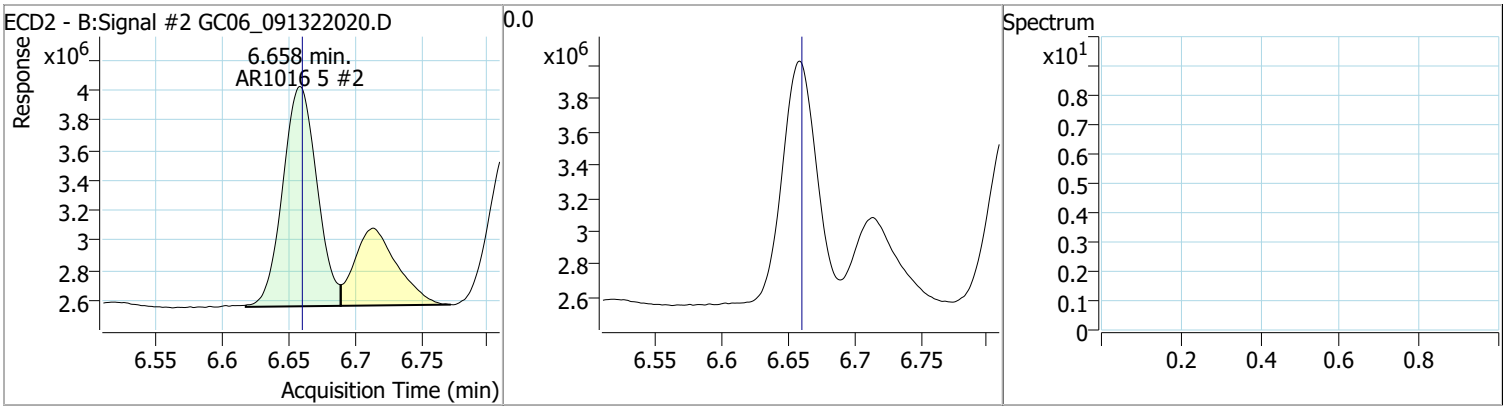
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	248.5456	6.13	0.00	3137288				



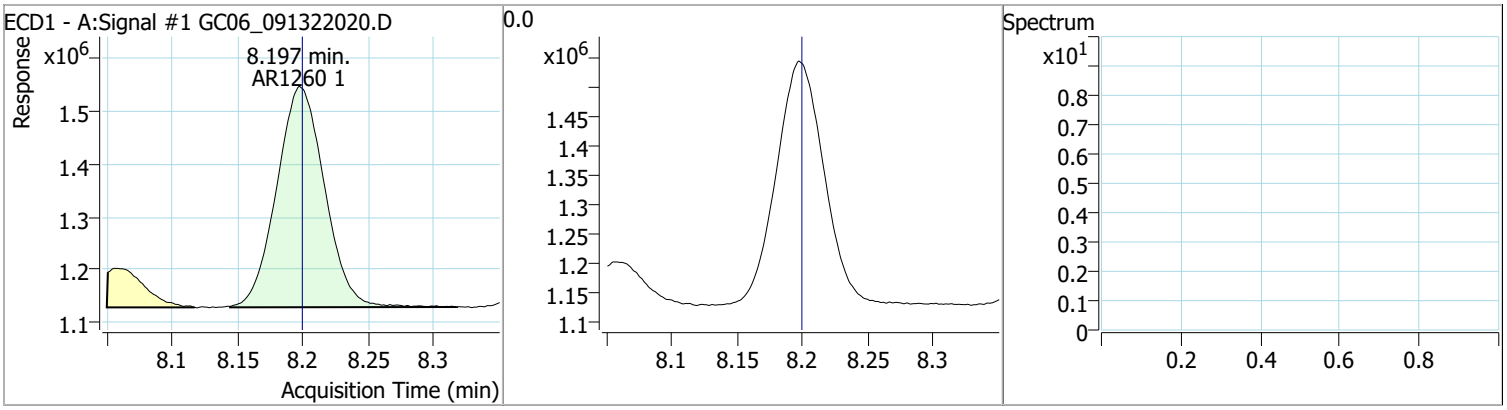
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	238.7401	6.47	0.00	529403				



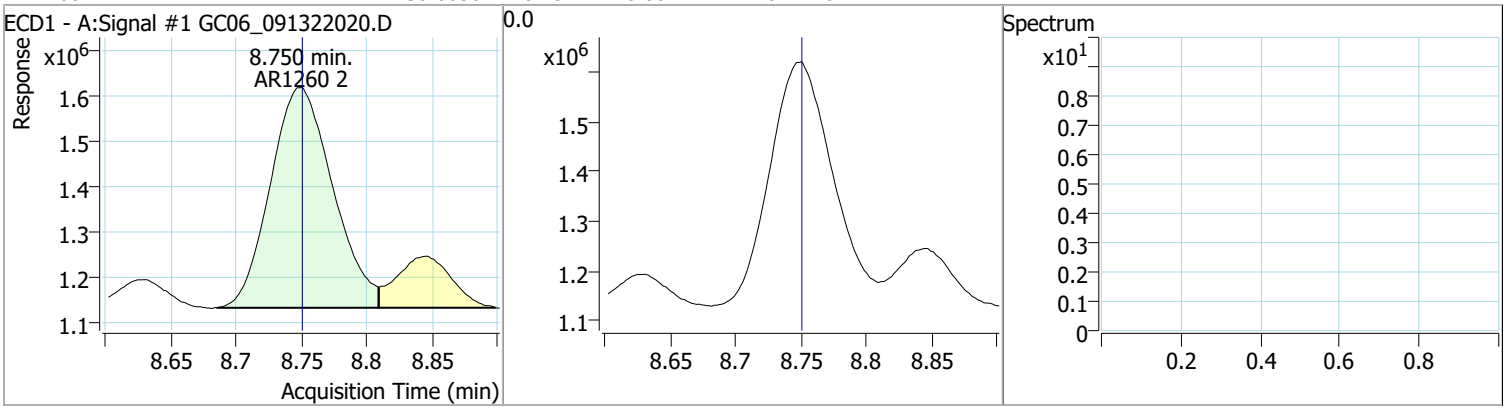
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	247.8612	6.66	0.00	2641588				



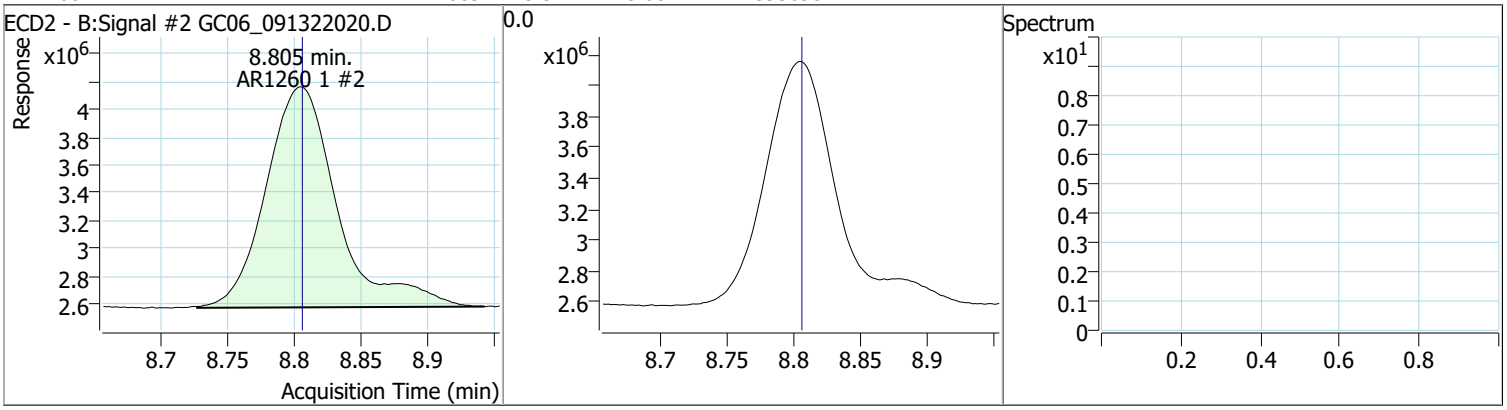
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	241.3663	8.20	-0.01	1058971				



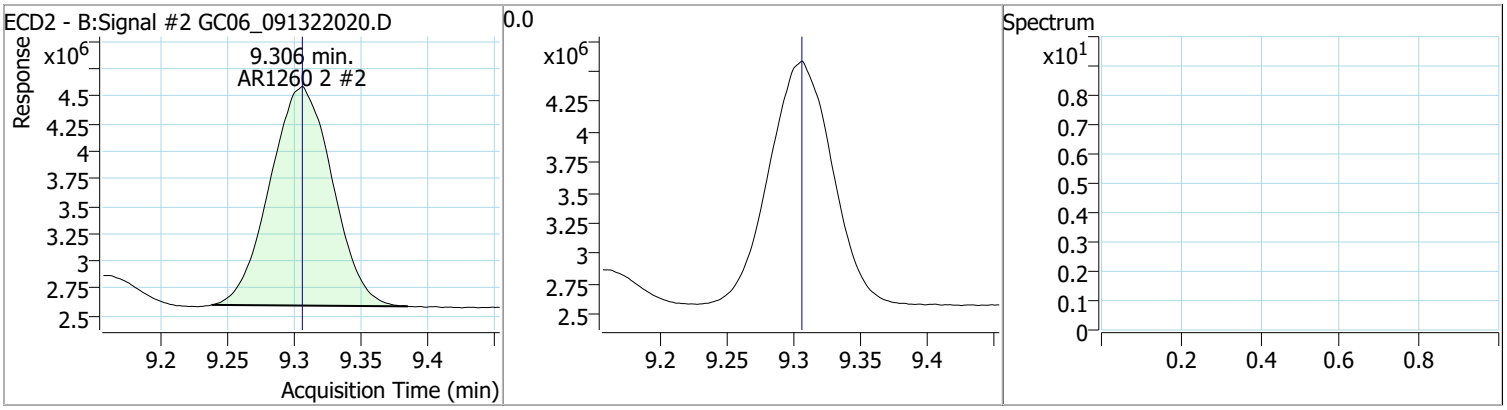
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	235.0838	8.75	0.00	1627428				



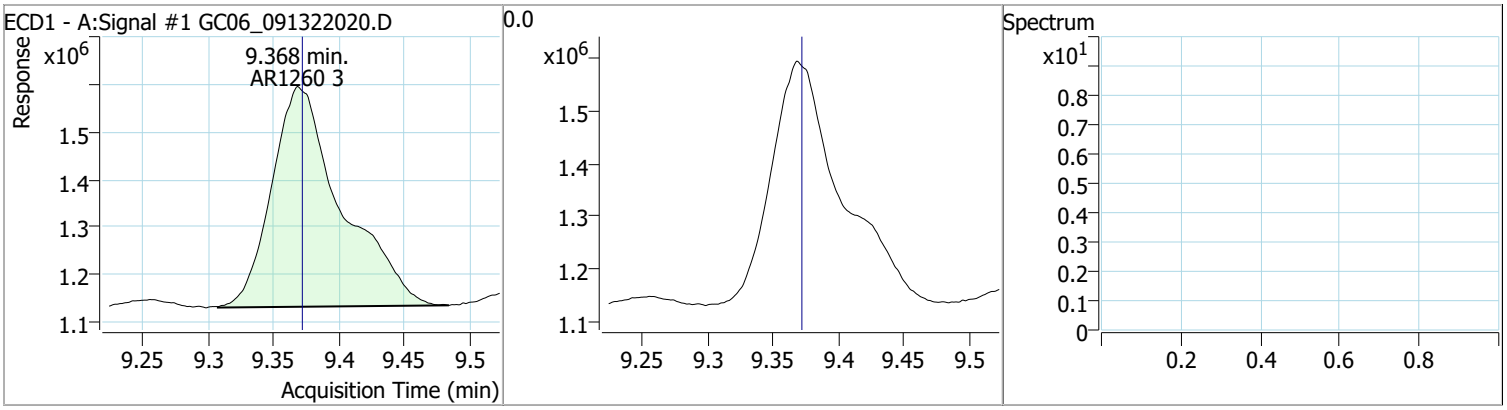
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	244.4609	8.81	0.00	5930954				



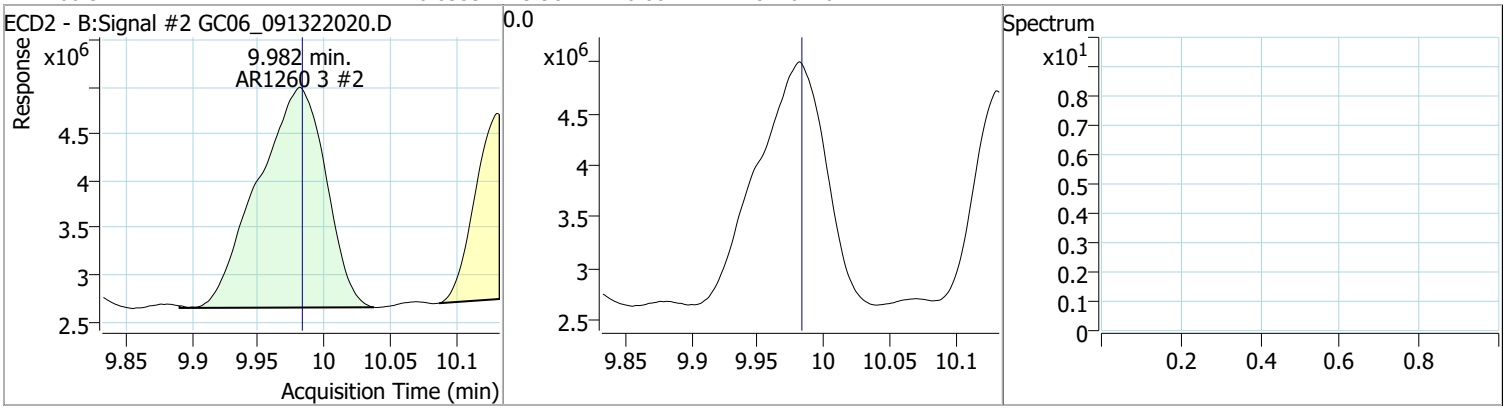
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	239.6897	9.31	0.00	6528251				



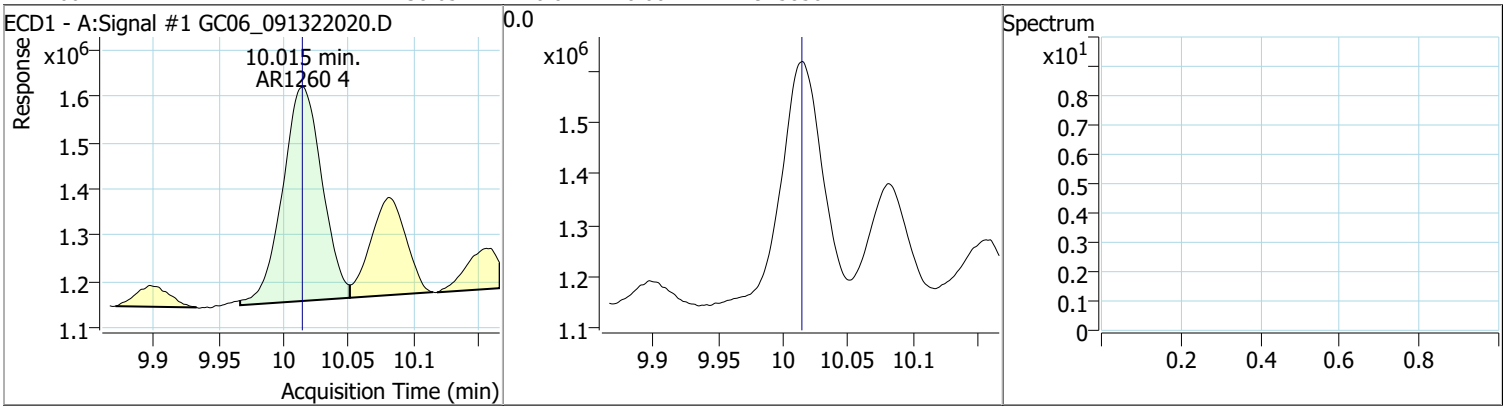
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	238.5453	9.37	-0.01	1729029				



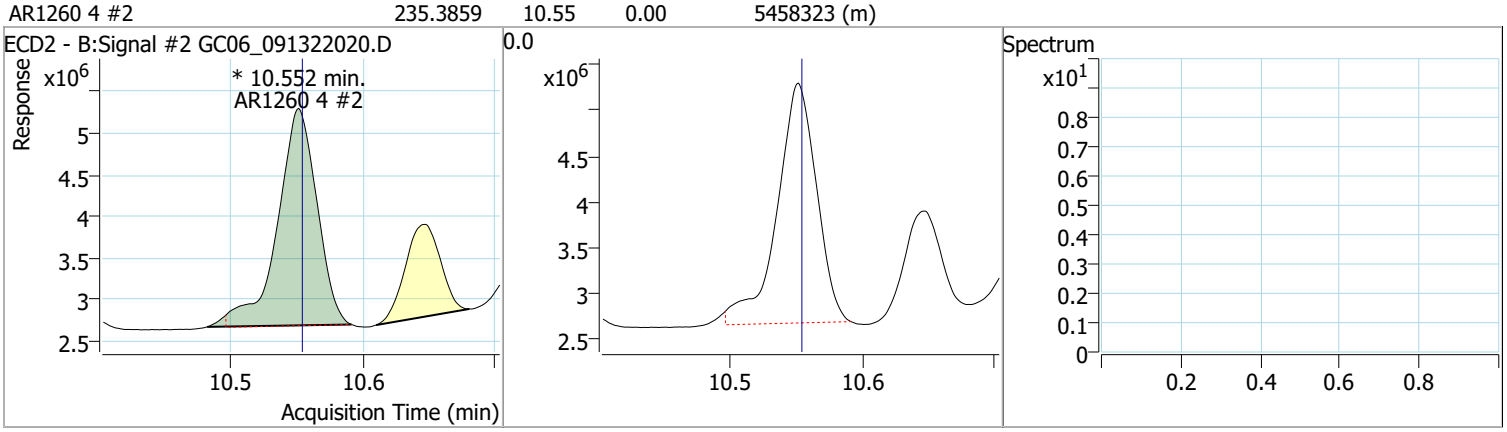
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	240.0353	9.98	0.00	8410140				



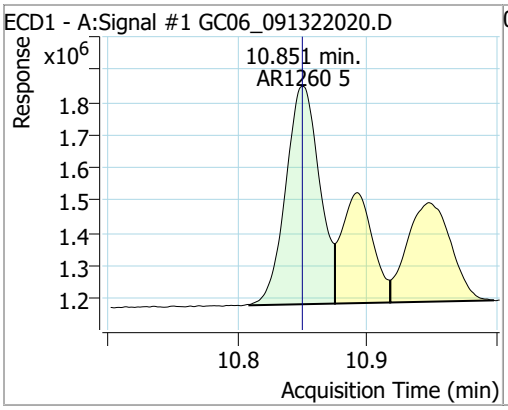
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	238.6521	10.02	0.00	975850				

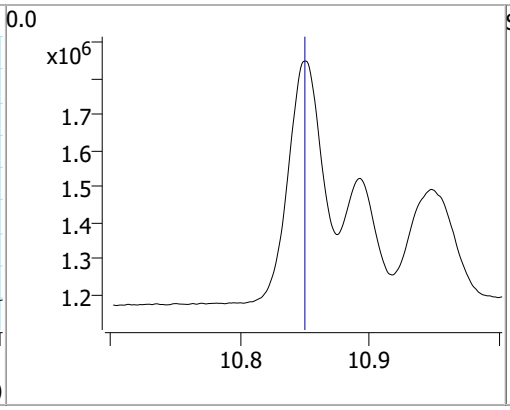


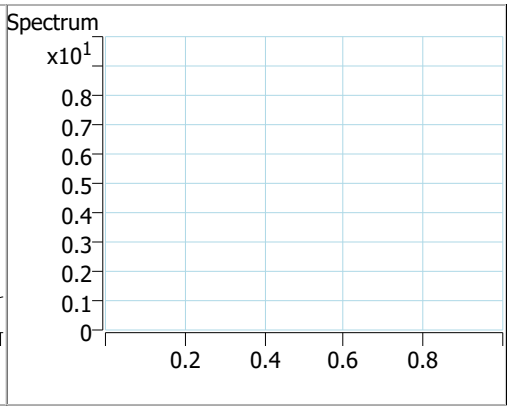
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	235.3859	10.55	0.00	5458323 (m)				



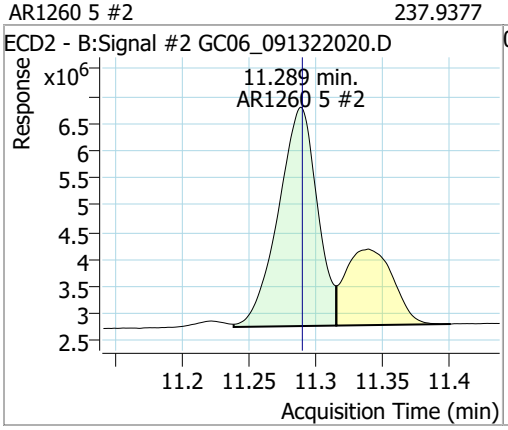
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	239.2026	10.85	0.00	1211015				

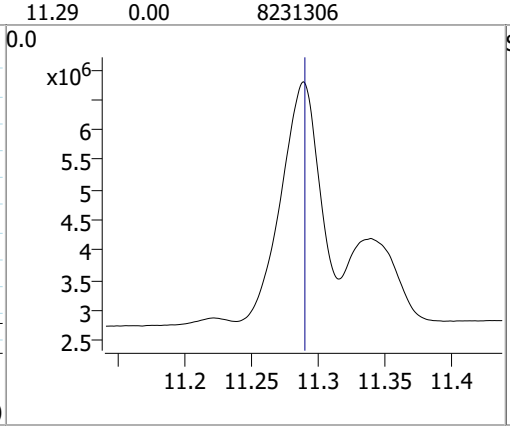


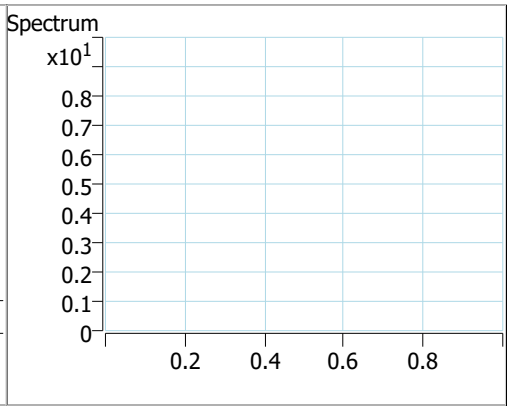




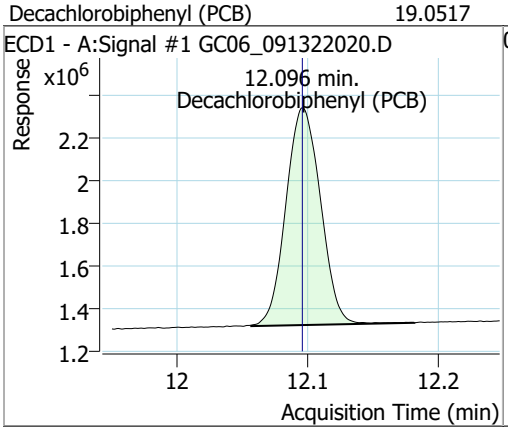
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	237.9377	11.29	0.00	8231306				

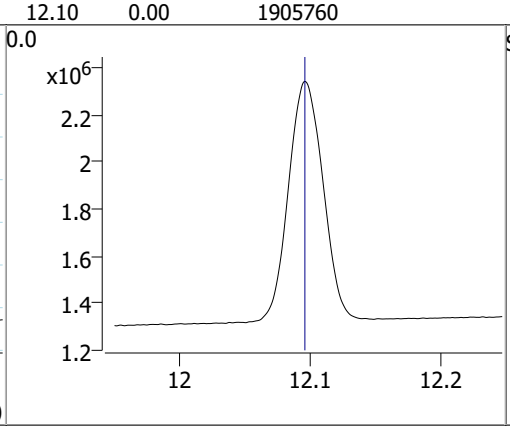


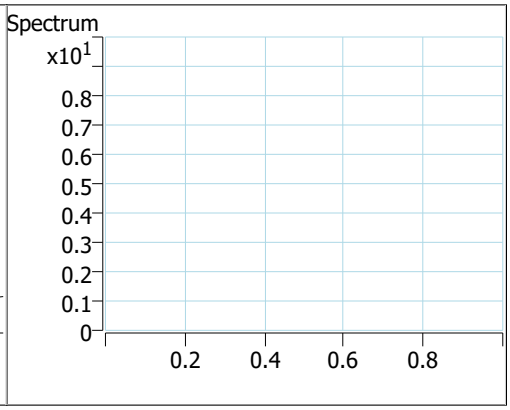




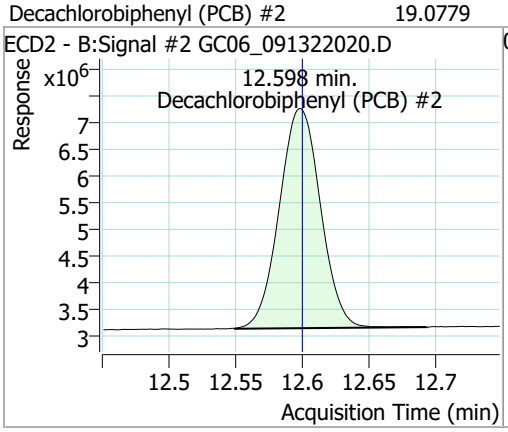
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.0517	12.10	0.00	1905760				

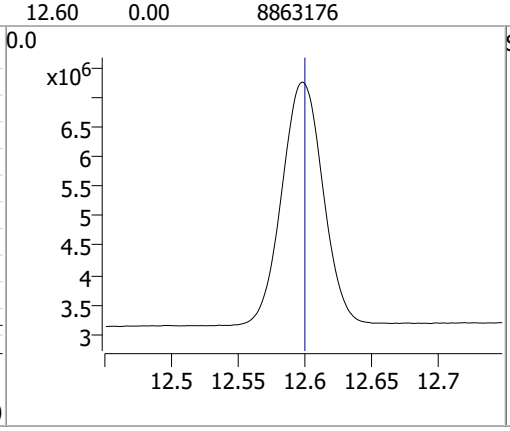


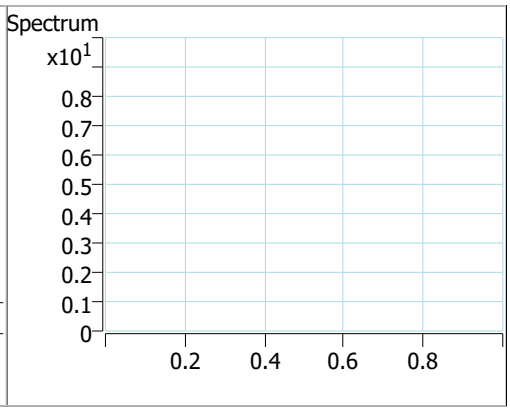




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.0779	12.60	0.00	8863176				

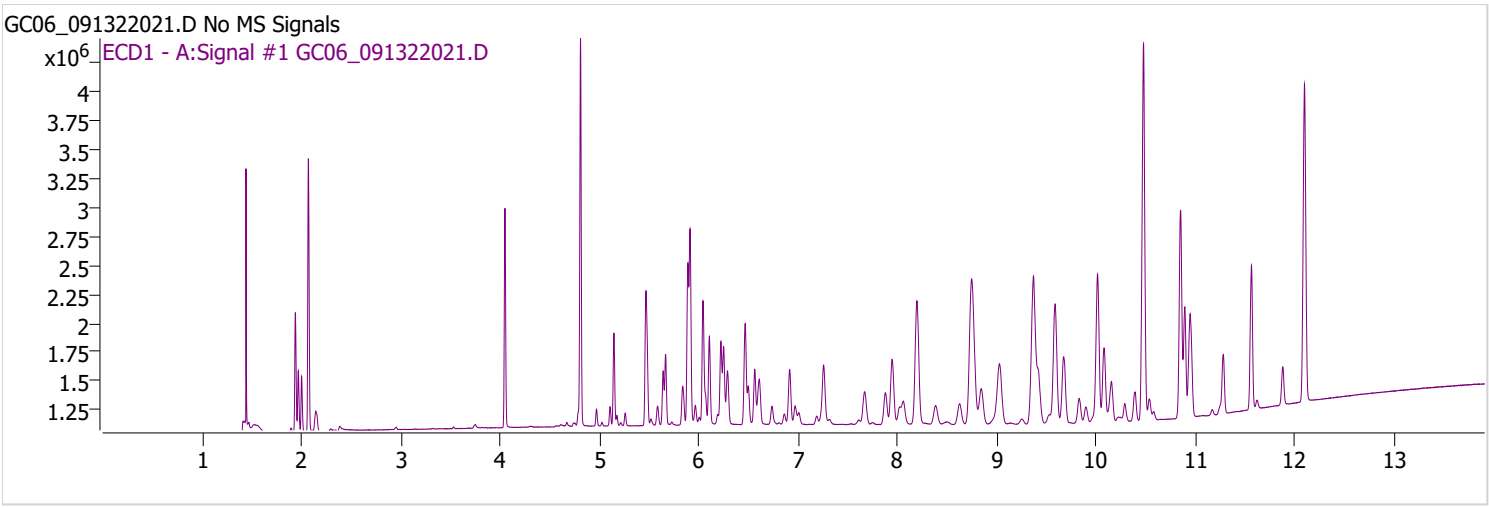


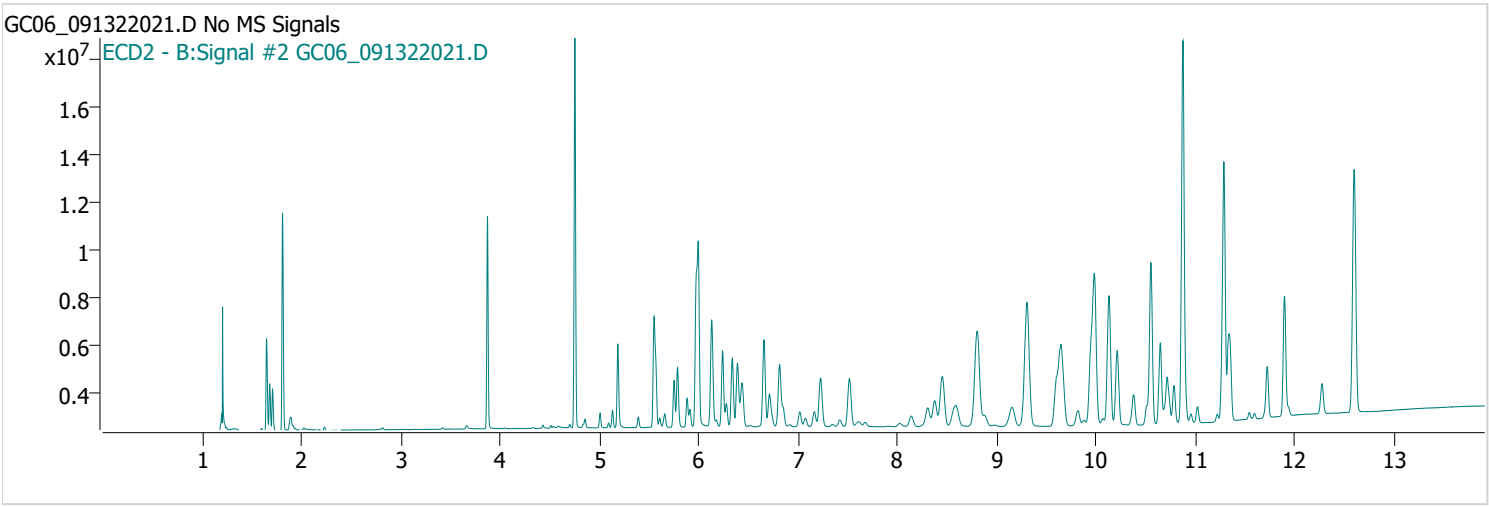




Quantitation Results Report (Not Reviewed)

Data File	GC06_091322021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 1:49:10 AM
Sample Name	ICAL, S16585, 4	Instrument	SVOA-GC06
Vial	45	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



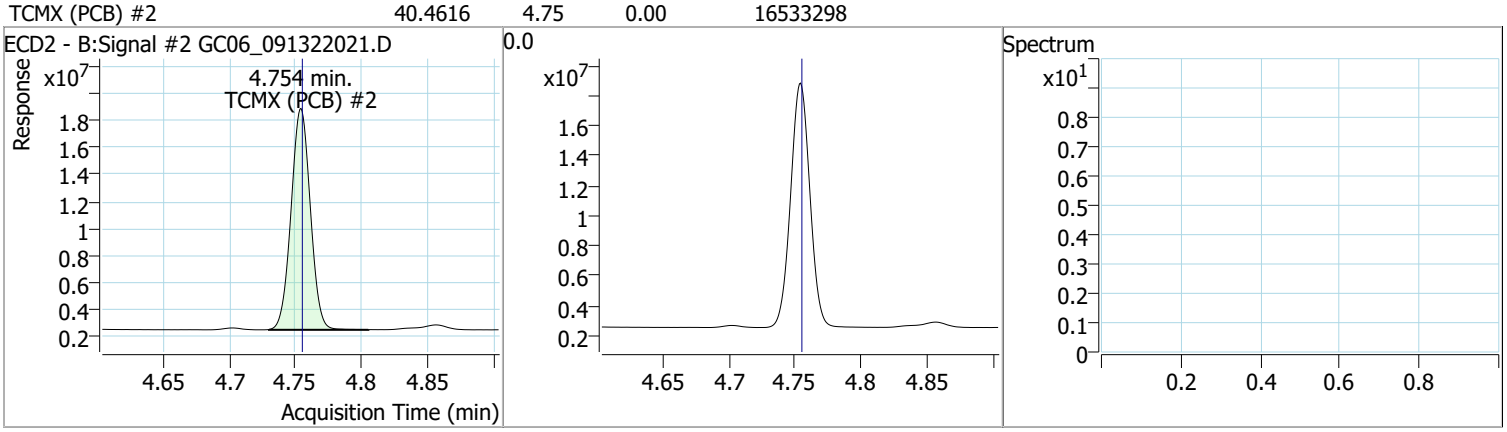


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	8347062.520	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.050	0.0	1775601.985	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.754	0.0	16533298.133	40.4616	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.31%		*	
S TCMX (PCB)	4.811	0.0	3380275.841	39.9671	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.84%		*	
S Decachlorobiphenyl (PCB)	12.098	0.0	5077207.021	42.6340	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.17%		*	
S Decachlorobiphenyl (PCB) #2	12.598	0.0	23363130.232	42.1954	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 210.98%		*	
Target Compounds							QValue

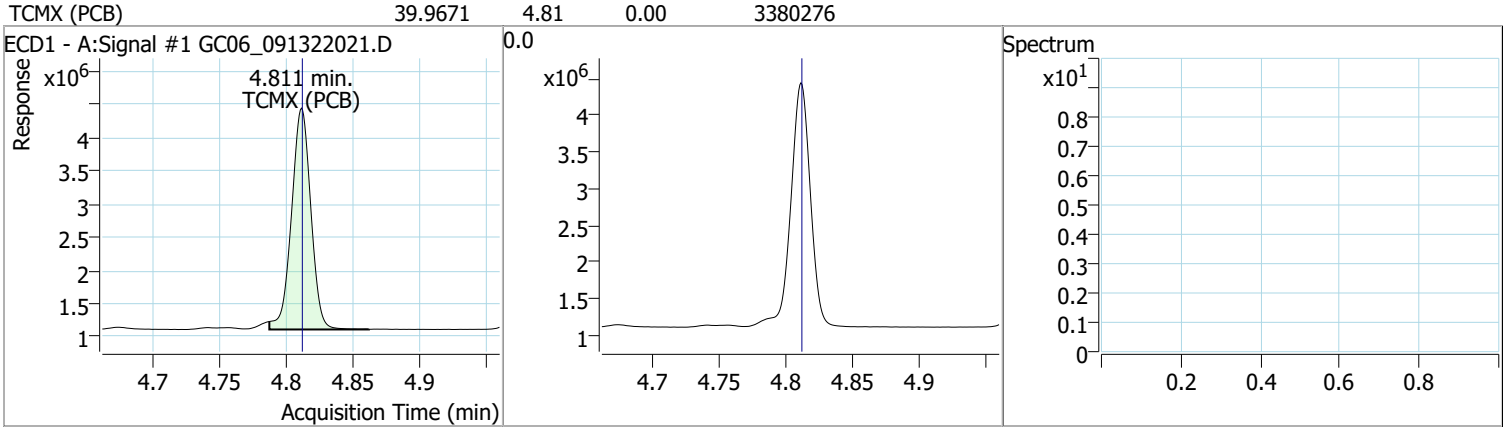
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.148	0.0	878944.468	504.9562	ng/ml		100
T AR1016 1 #2	5.187	0.0	4248761.651	506.3714	ng/ml		100
T AR1016 2	5.469	0.0	1877727.012	504.6906	ng/ml		100
T AR1016 2 #2	5.552	0.0	8735557.887	499.1824	ng/ml		100
T AR1016 3	5.913	0.0	2196582.173	500.8413	ng/ml		100
T AR1016 3 #2	5.995	0.0	11188024.817	491.3888	ng/ml	m	100
T AR1016 4	6.043	0.0	1670279.150	505.9757	ng/ml		100
T AR1016 4 #2	6.132	0.0	7655798.993	508.9036	ng/ml		100
T AR1016 5	6.468	0.0	1349933.275	511.3474	ng/ml		100
T AR1016 5 #2	6.658	0.0	6527423.695	513.9000	ng/ml		100
T AR1260 1	8.198	0.0	2750590.411	526.6029	ng/ml		100
T AR1260 2	8.748	0.0	4263794.935	517.3471	ng/ml		100
T AR1260 1 #2	8.802	0.0	15143035.142	523.7102	ng/ml		100
T AR1260 2 #2	9.305	0.0	16692981.716	514.2565	ng/ml		100
T AR1260 3	9.371	0.0	4510120.950	522.6627	ng/ml	m	100
T AR1260 3 #2	9.983	0.0	22200053.060	531.6418	ng/ml		100
T AR1260 4	10.015	0.0	2651309.794	544.6373	ng/ml		100
T AR1260 4 #2	10.553	0.0	15048874.508	544.5258	ng/ml		100
T AR1260 5	10.852	0.0	3297017.436	547.0189	ng/ml		100
T AR1260 5 #2	11.287	0.0	22217855.291	538.8774	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

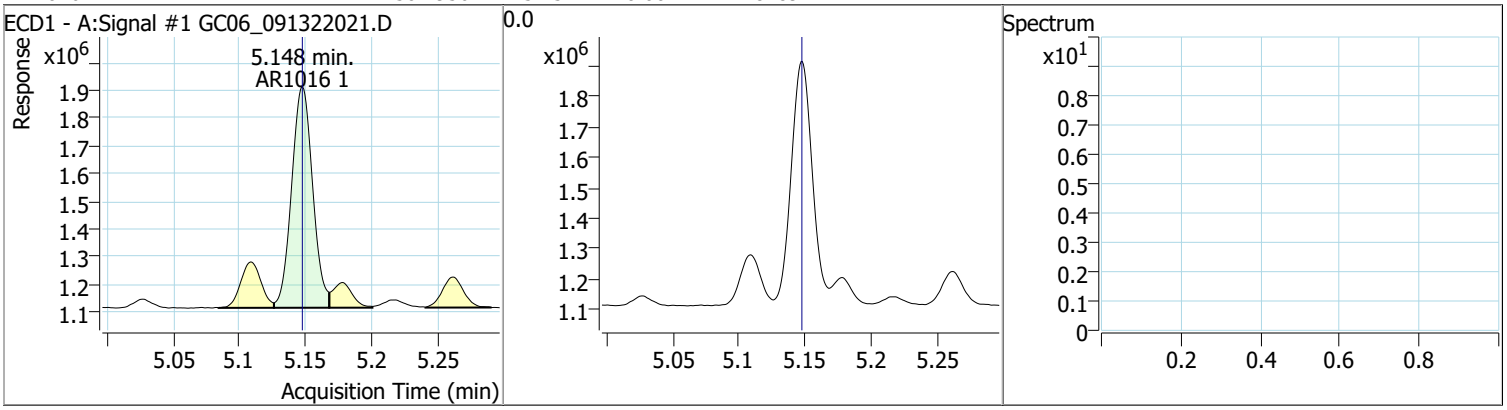
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.4616	4.75	0.00	16533298				



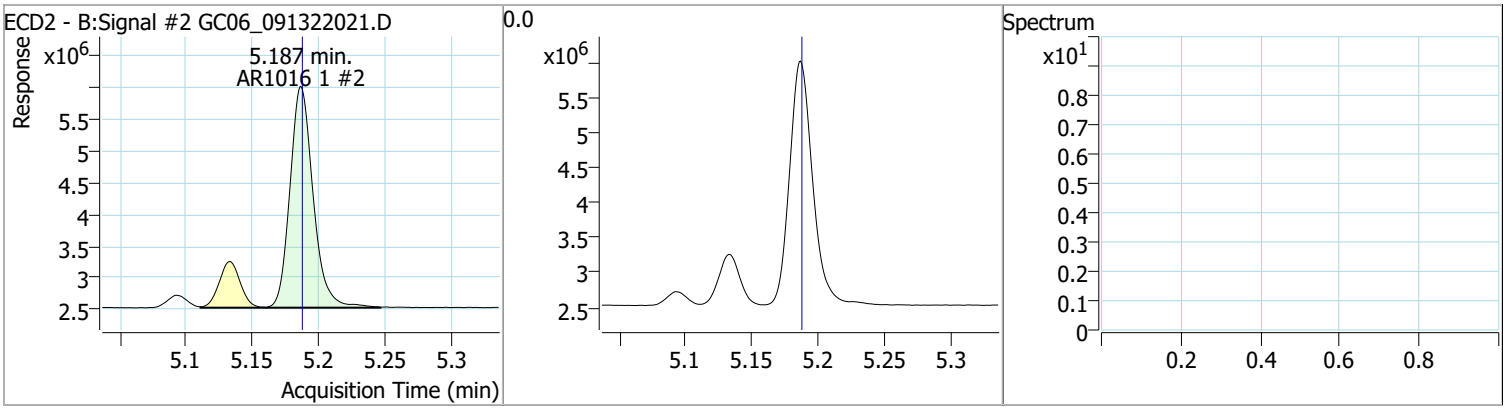
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.9671	4.81	0.00	3380276				



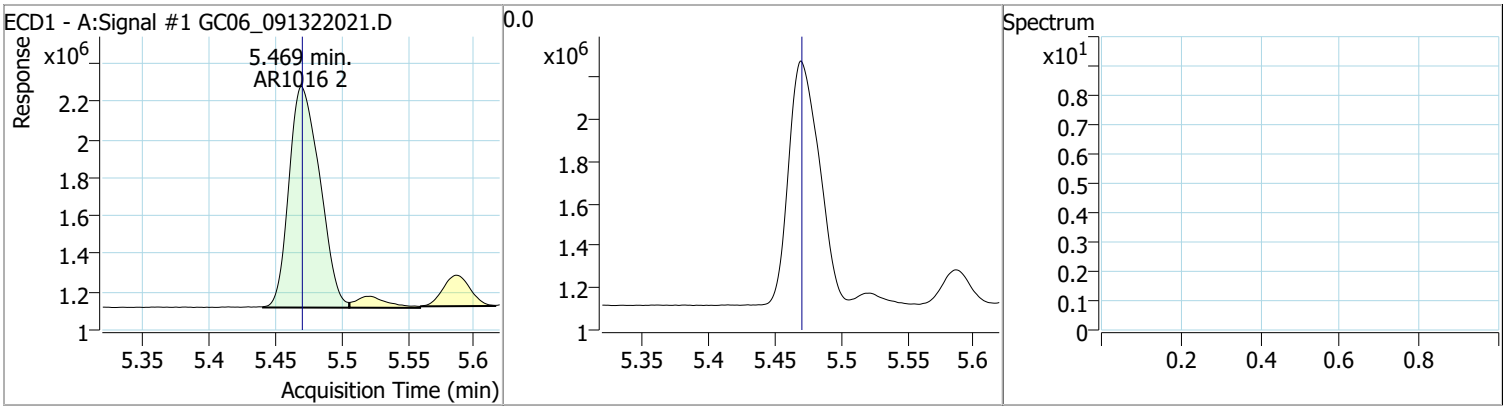
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	504.9562	5.15	0.00	878944				



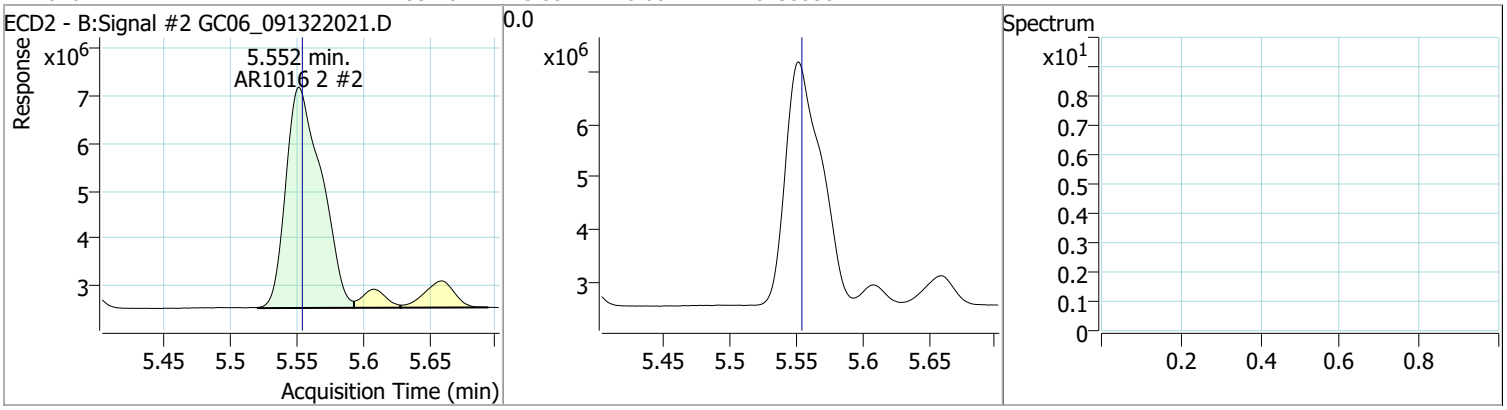
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	506.3714	5.19	0.00	4248762				



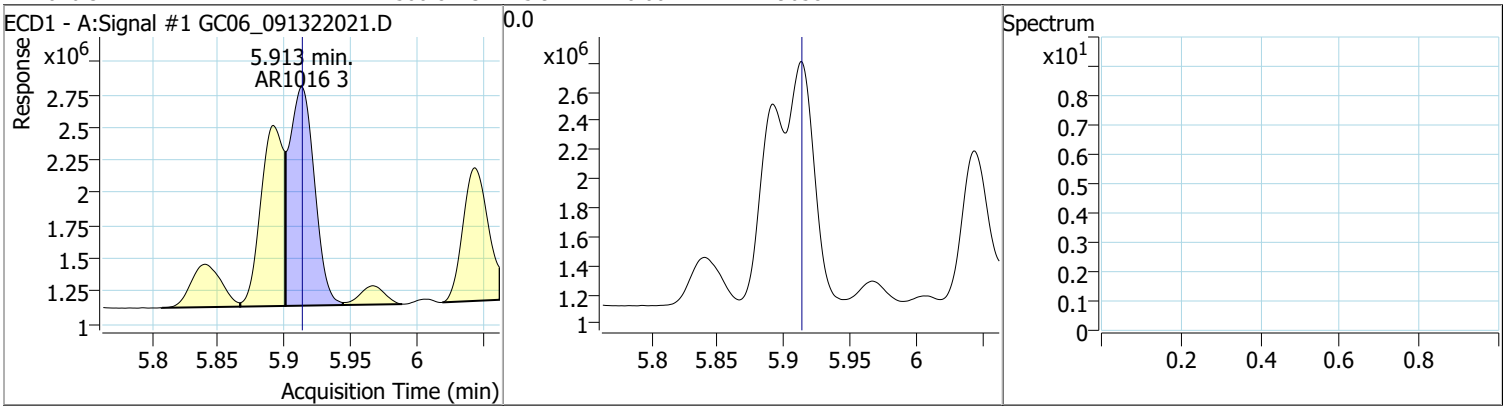
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	504.6906	5.47	0.00	1877727				



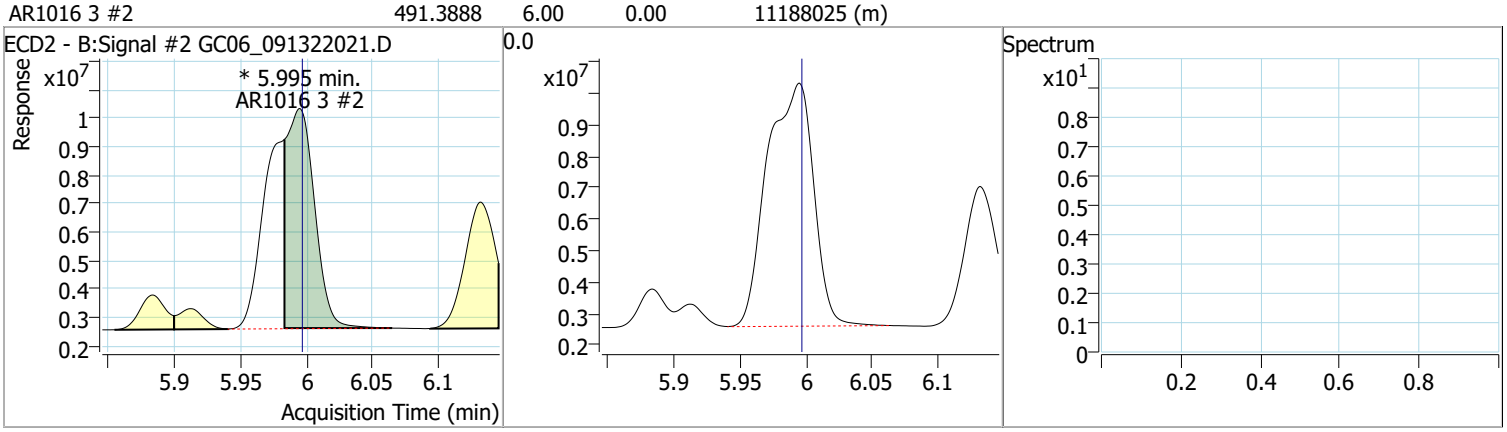
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AR1016 2 #2	499.1824	5.55	0.00	8735558				



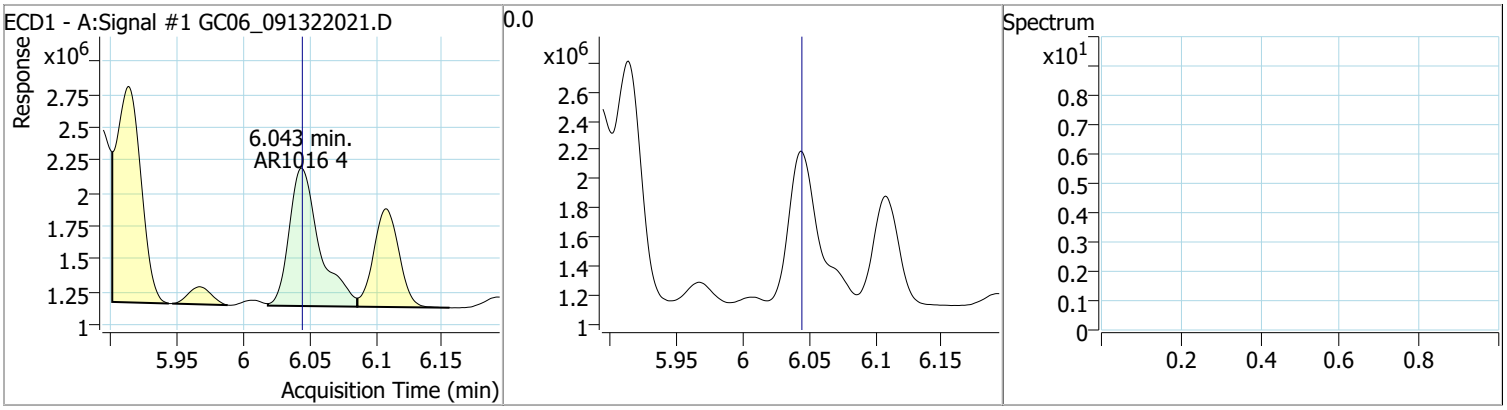
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	500.8413	5.91	0.00	2196582				



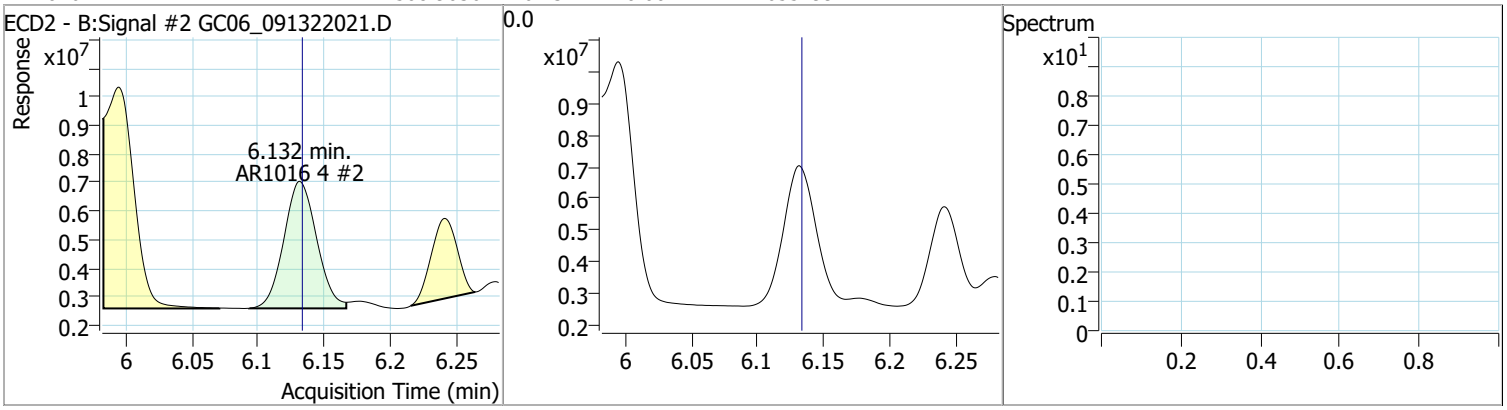
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	491.3888	6.00	0.00	11188025 (m)				



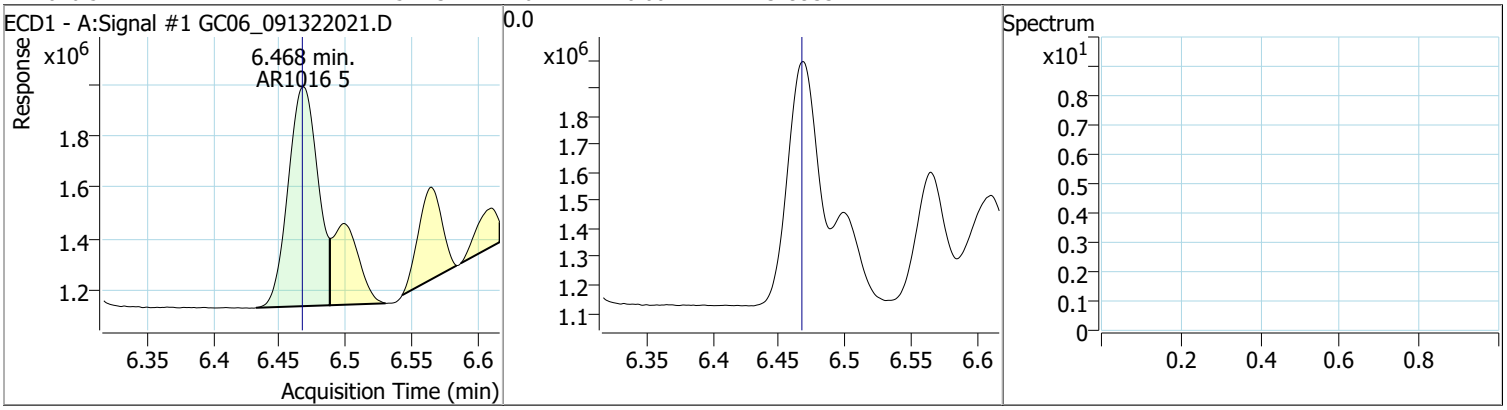
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	505.9757	6.04	0.00	1670279				



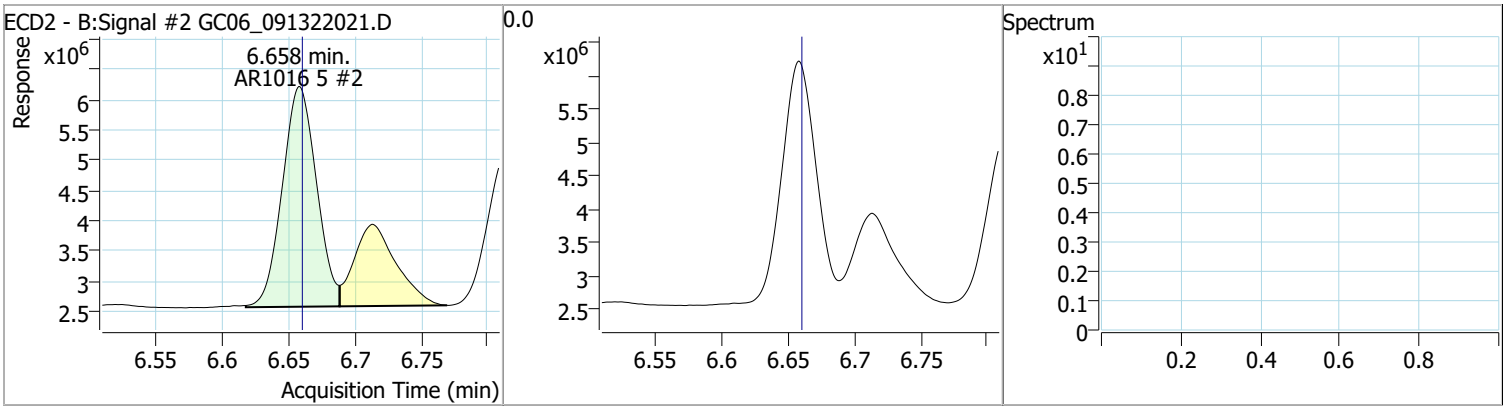
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AR1016 4 #2	508.9036	6.13	0.00	7655799				



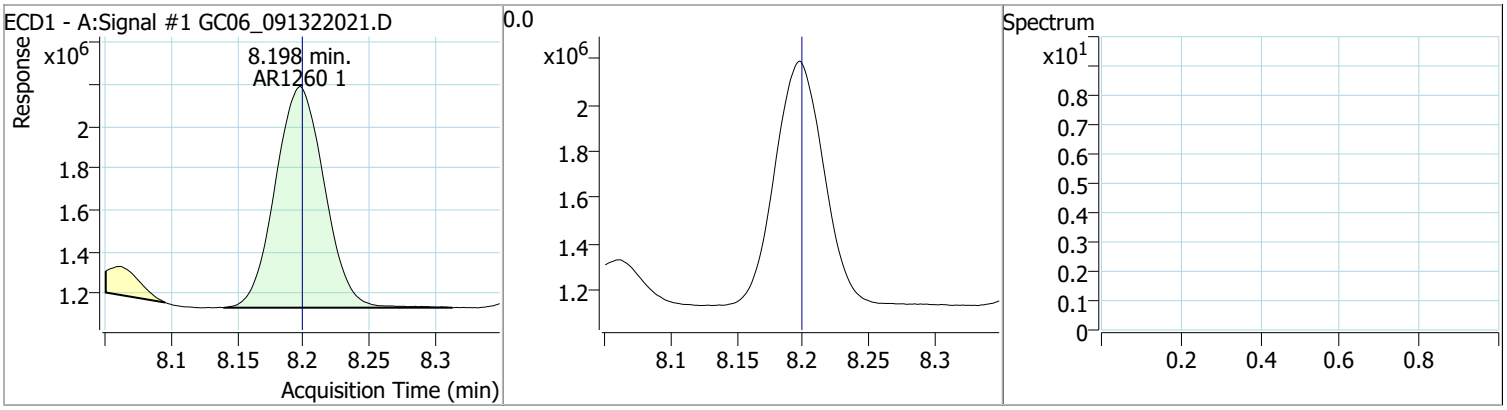
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	511.3474	6.47	0.00	1349933				



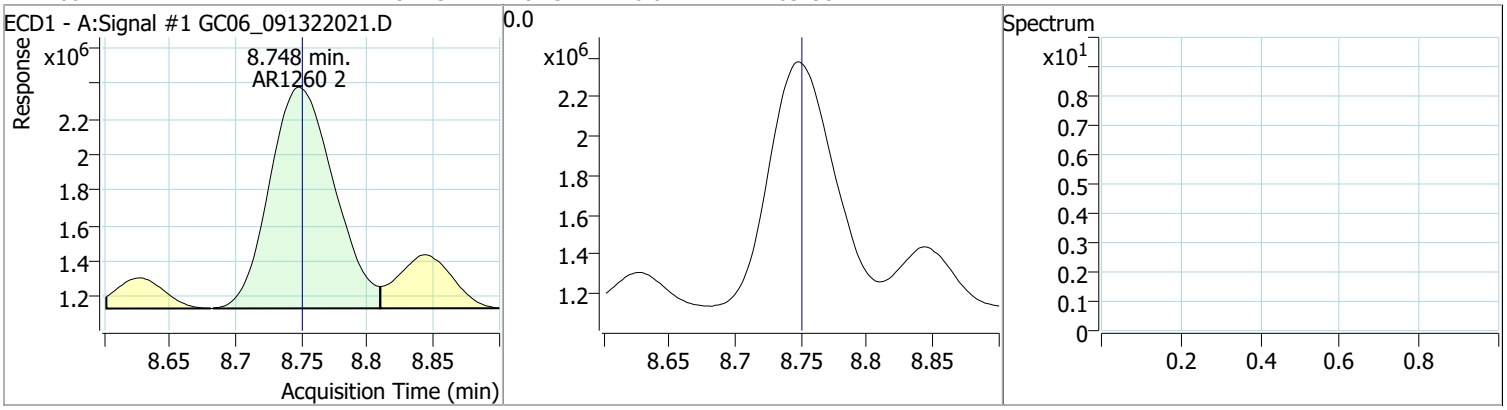
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AR1016 5 #2	513.9000	6.66	0.00	6527424				



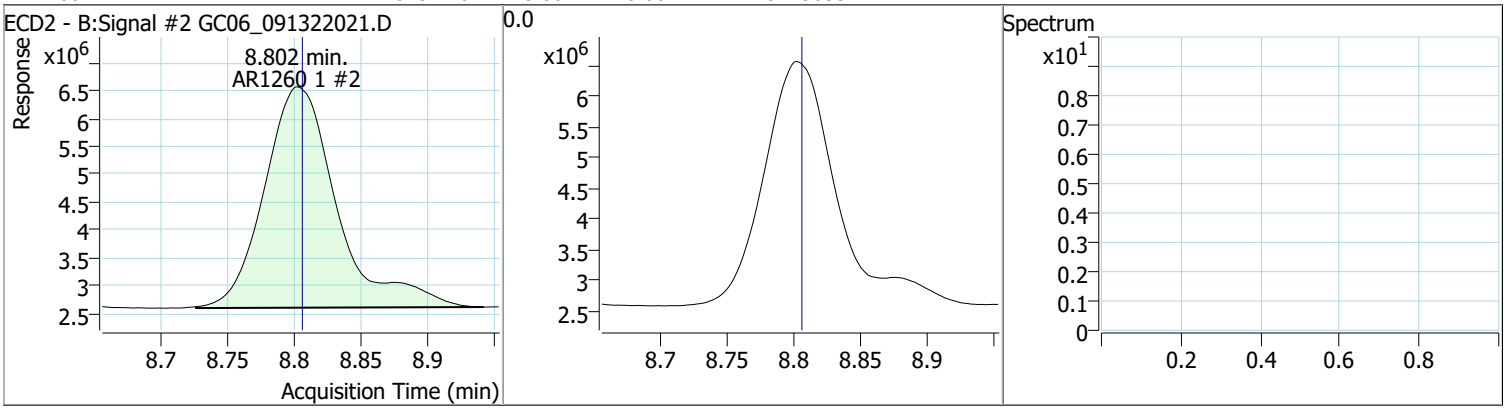
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	526.6029	8.20	0.00	2750590				



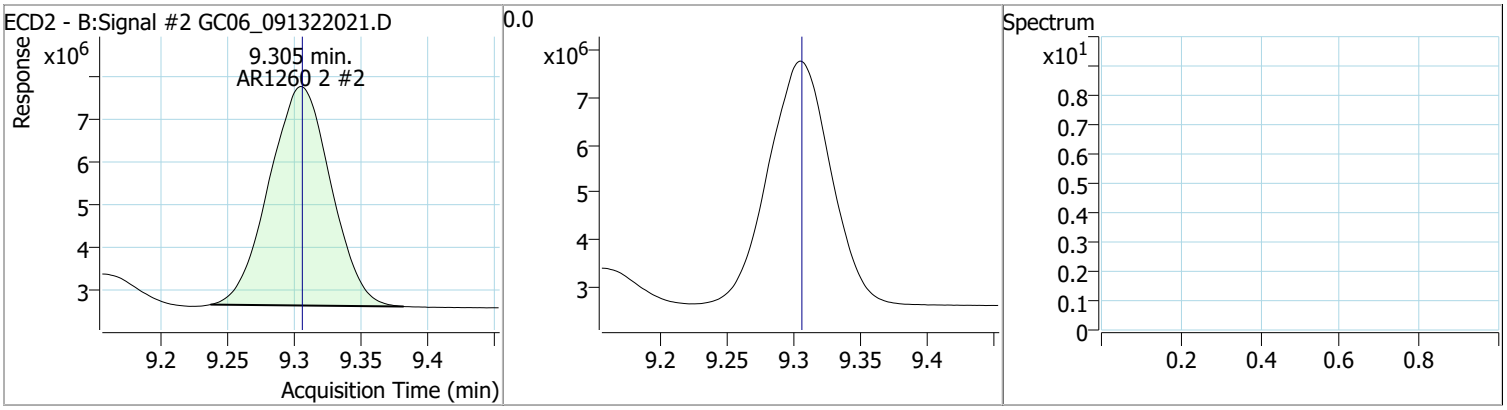
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	517.3471	8.75	-0.01	4263795				



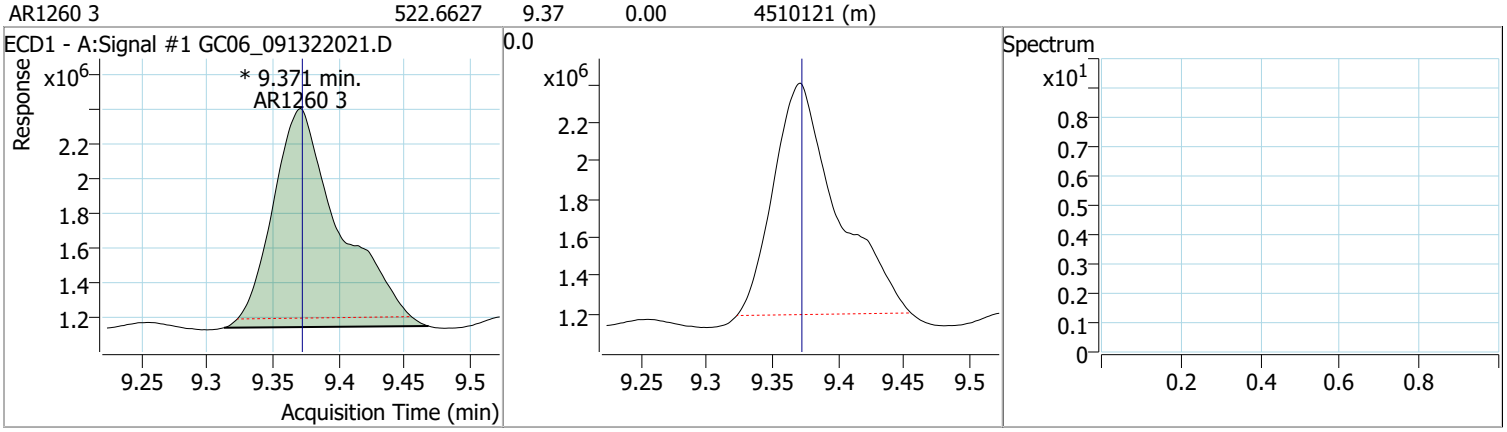
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	523.7102	8.80	0.00	15143035				



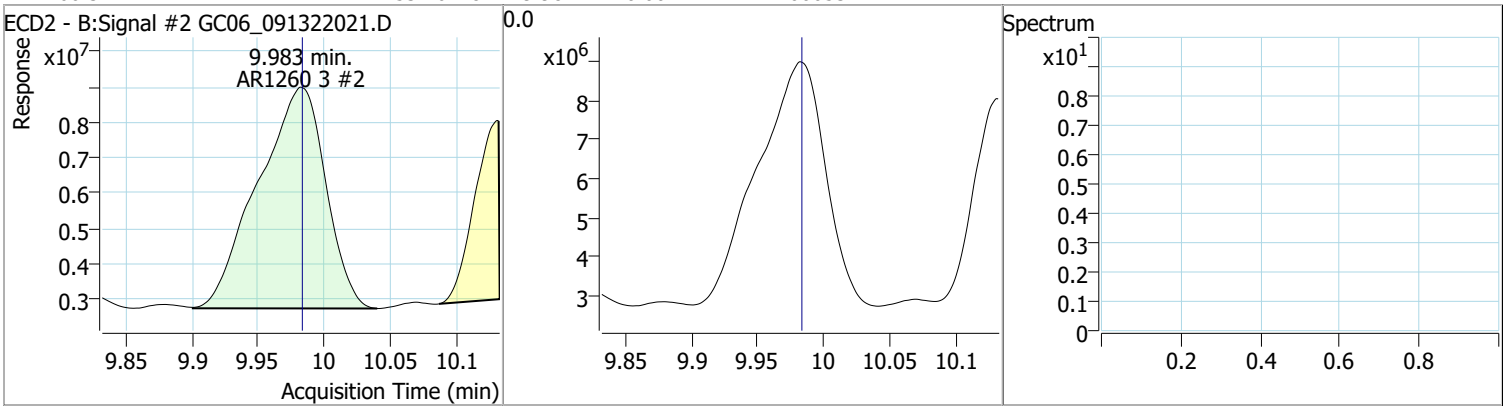
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	514.2565	9.31	0.00	16692982				



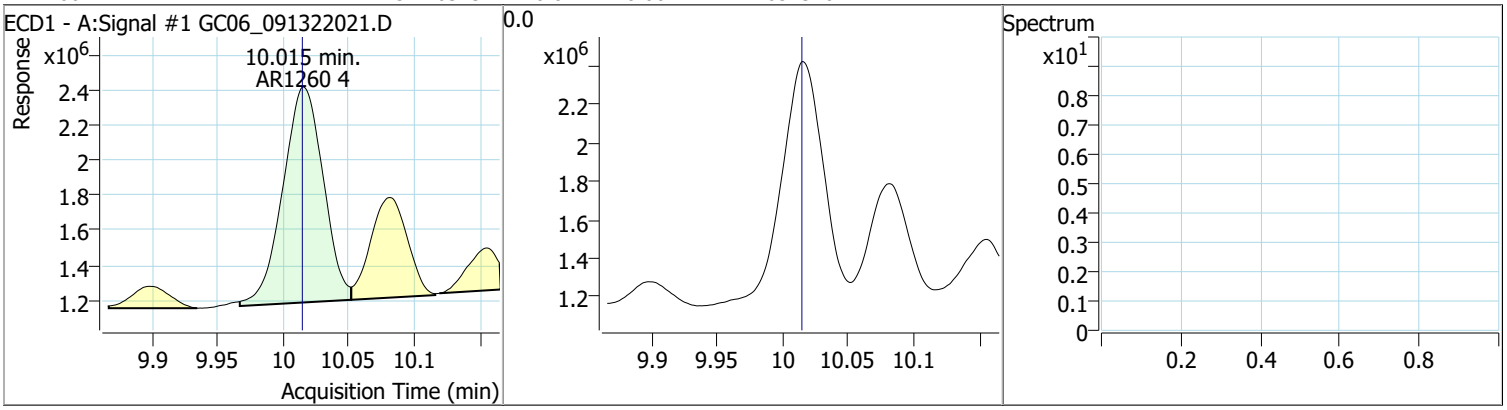
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	522.6627	9.37	0.00	4510121 (m)				



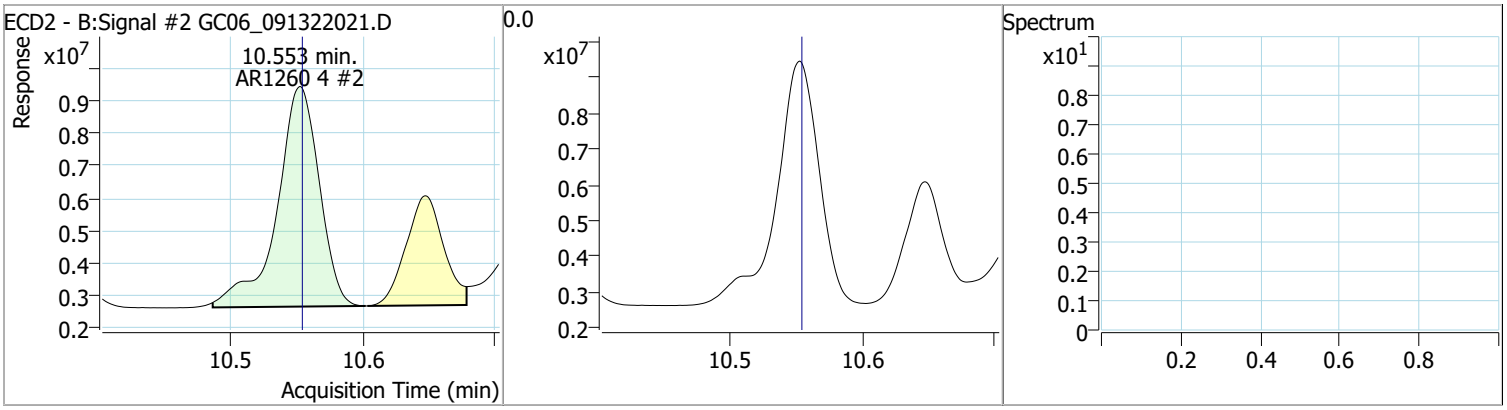
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	531.6418	9.98	0.00	22200053				



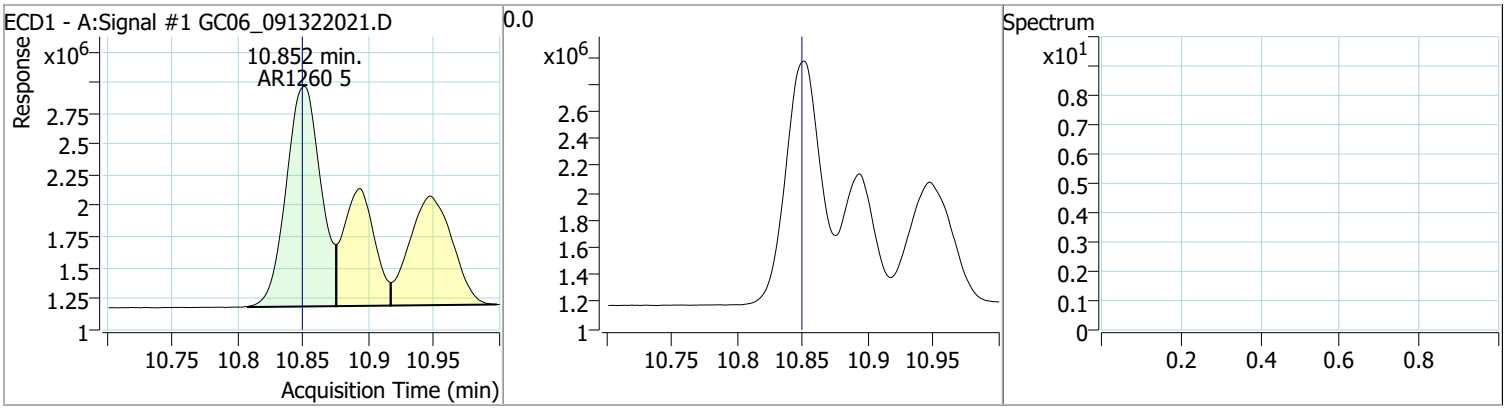
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	544.6373	10.02	0.00	2651310				



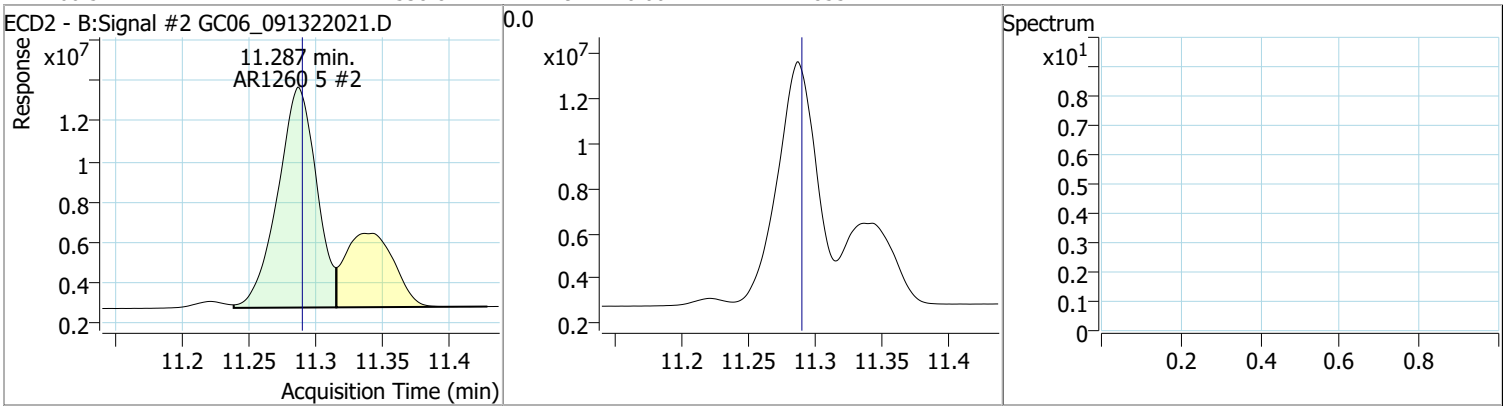
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	544.5258	10.55	0.00	15048875				



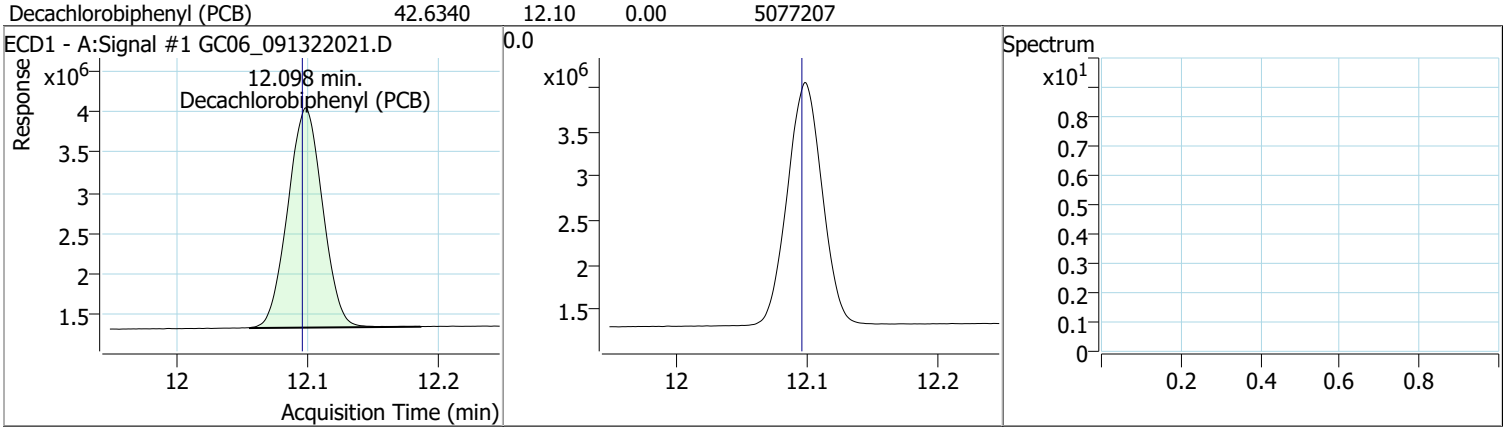
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	547.0189	10.85	0.00	3297017				



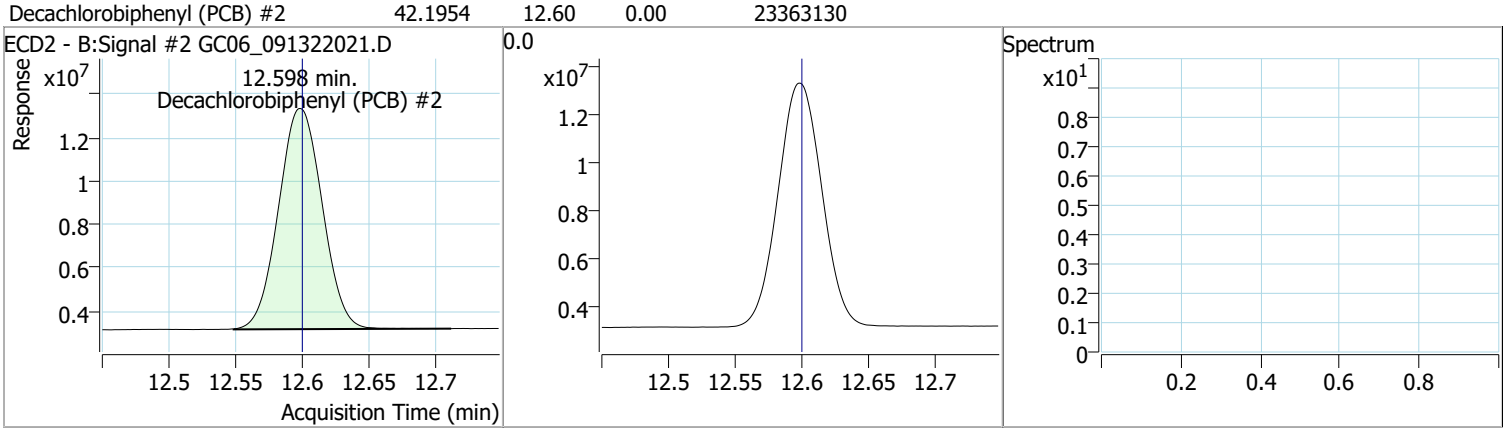
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	538.8774	11.29	0.00	22217855				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.6340	12.10	0.00	5077207				

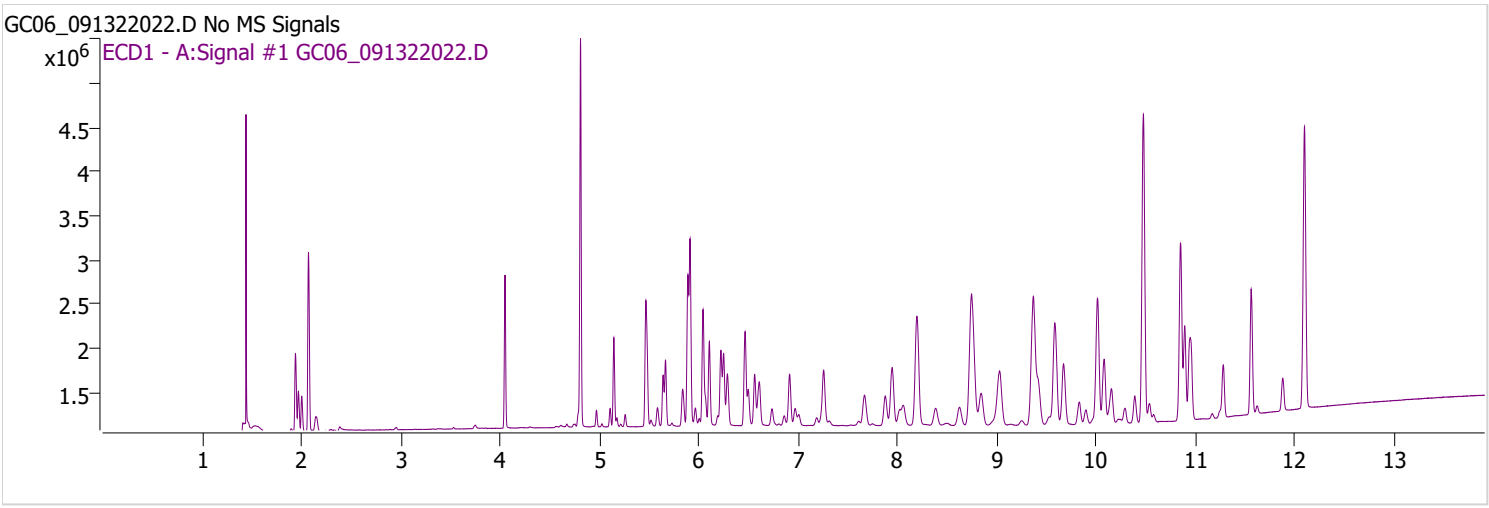


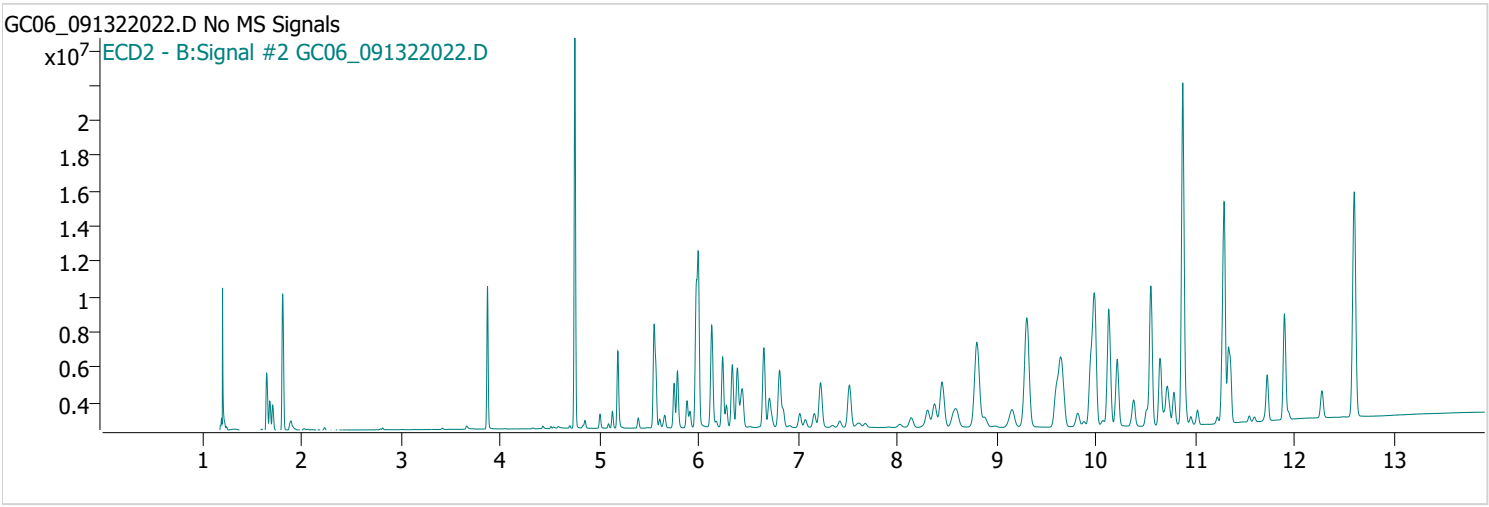
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	42.1954	12.60	0.00	23363130				



Quantitation Results Report (Not Reviewed)

Data File	GC06_091322022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 2:06:31 AM
Sample Name	ICAL, S16585, 2.667	Instrument	SVOA-GC06
Vial	46	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



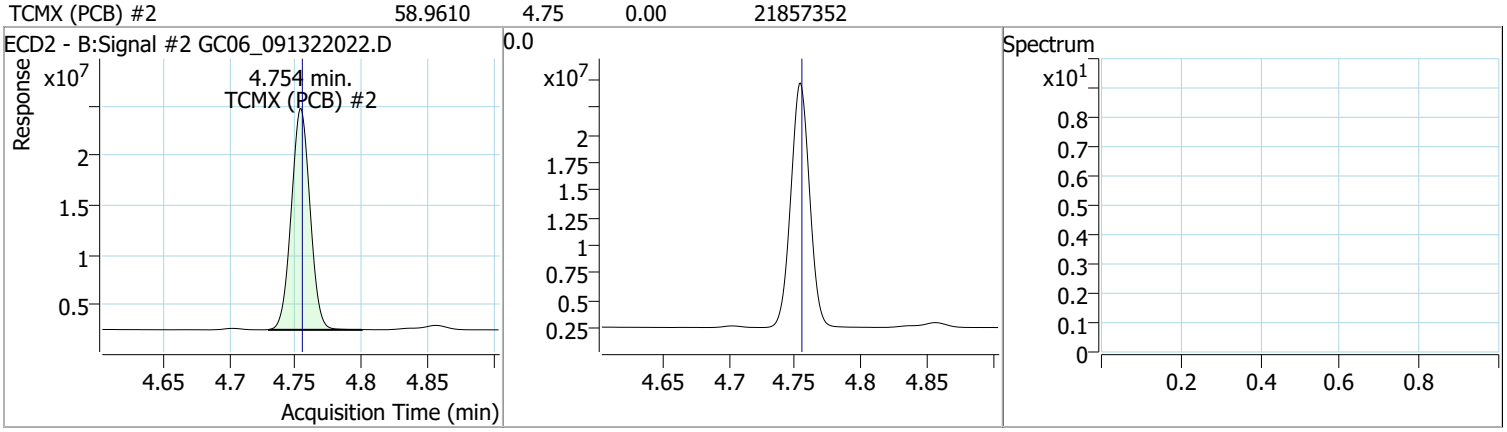


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	7572692.597	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.051	0.0	1597808.552	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	4.754	0.0	21857351.539	58.9610	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 294.80%		*	
S TCMX (PCB)	4.811	0.0	4373712.498	57.4674	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 287.34%		*	
S Decachlorobiphenyl (PCB)	12.098	0.0	5925445.290	55.2934	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 276.47%		*	
S Decachlorobiphenyl (PCB) #2	12.599	0.0	28053410.575	55.8474	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 279.24%		*	
Target Compounds							QValue

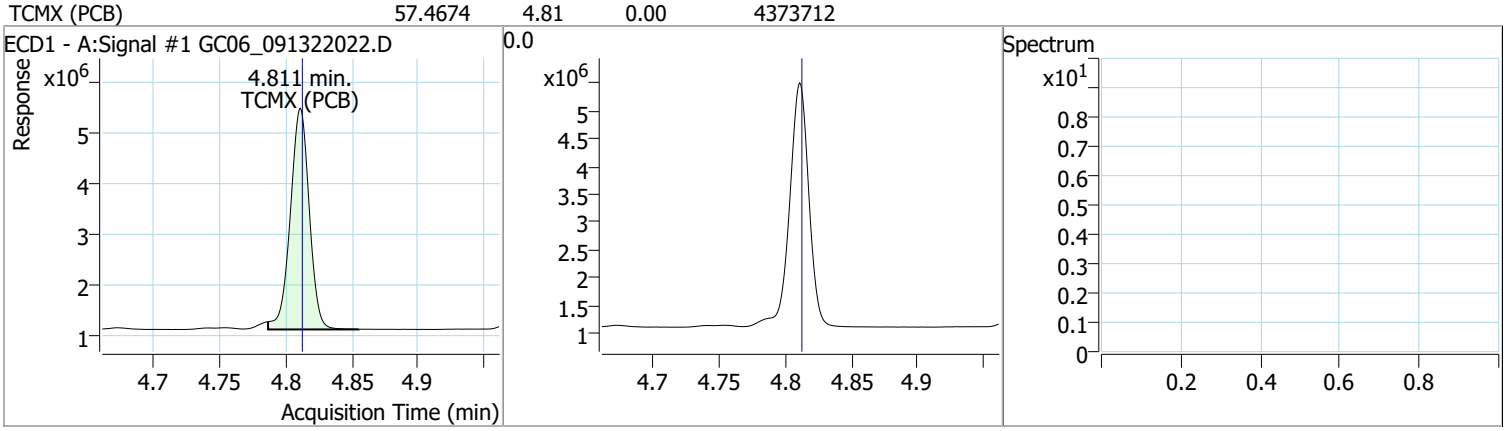
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.147	0.0	1104832.183	705.3579	ng/ml		100
T AR1016 1 #2	5.187	0.0	5378506.836	706.5646	ng/ml		100
T AR1016 2	5.469	0.0	2323877.852	694.1078	ng/ml		100
T AR1016 2 #2	5.553	0.0	11093262.250	698.7330	ng/ml		100
T AR1016 3	5.913	0.0	2694470.737	682.7269	ng/ml		100
T AR1016 3 #2	5.995	0.0	14546161.777	704.2123	ng/ml	m	100
T AR1016 4	6.044	0.0	2057155.045	692.5139	ng/ml		100
T AR1016 4 #2	6.132	0.0	9743774.670	713.9298	ng/ml		100
T AR1016 5	6.468	0.0	1653216.830	695.9121	ng/ml		100
T AR1016 5 #2	6.657	0.0	8186173.869	710.3969	ng/ml		100
T AR1260 1	8.197	0.0	3192355.380	679.1871	ng/ml		100
T AR1260 2	8.748	0.0	4953115.340	667.8594	ng/ml		100
T AR1260 1 #2	8.800	0.0	18367411.403	700.1795	ng/ml		100
T AR1260 2 #2	9.303	0.0	20405244.926	692.9007	ng/ml		100
T AR1260 3	9.369	0.0	5379415.718	692.7704	ng/ml		100
T AR1260 3 #2	9.982	0.0	26644316.271	703.3201	ng/ml		100
T AR1260 4	10.015	0.0	3020553.877	689.5319	ng/ml		100
T AR1260 4 #2	10.552	0.0	17796157.263	709.7804	ng/ml		100
T AR1260 5	10.851	0.0	3768694.193	694.8529	ng/ml		100
T AR1260 5 #2	11.289	0.0	26022014.013	695.6841	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

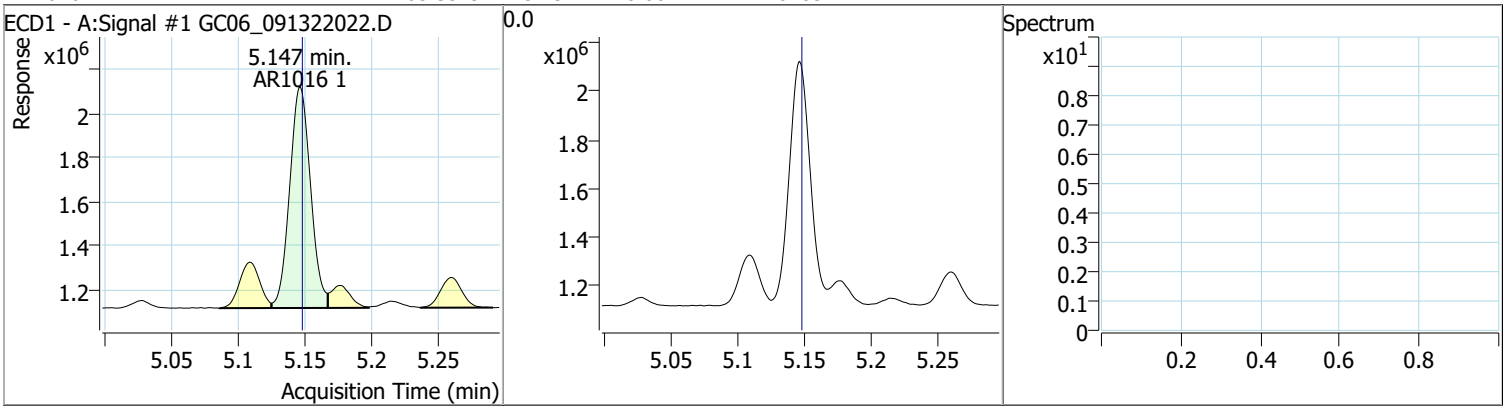
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	58.9610	4.75	0.00	21857352				



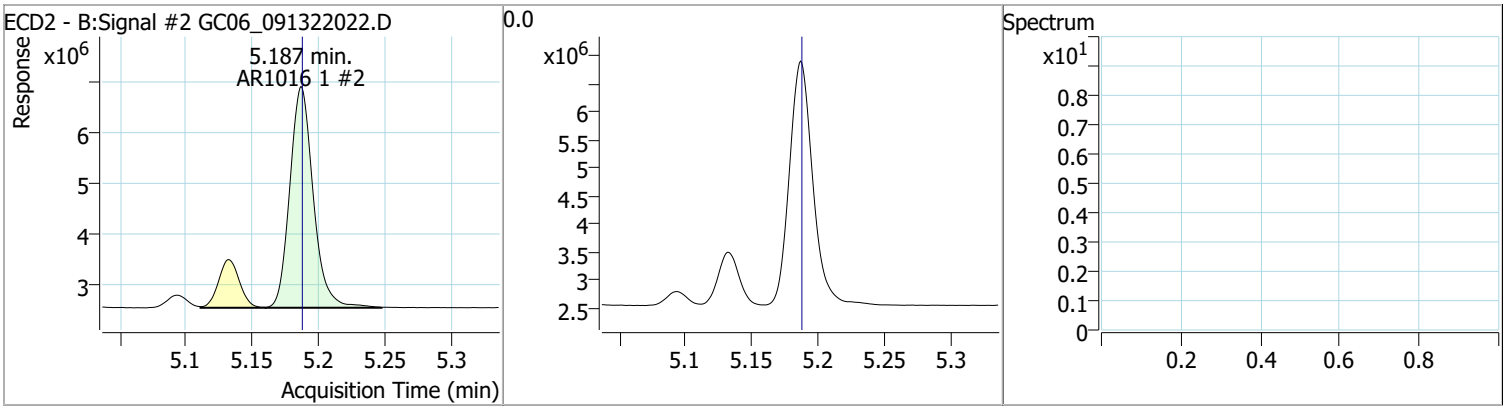
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	57.4674	4.81	0.00	4373712				



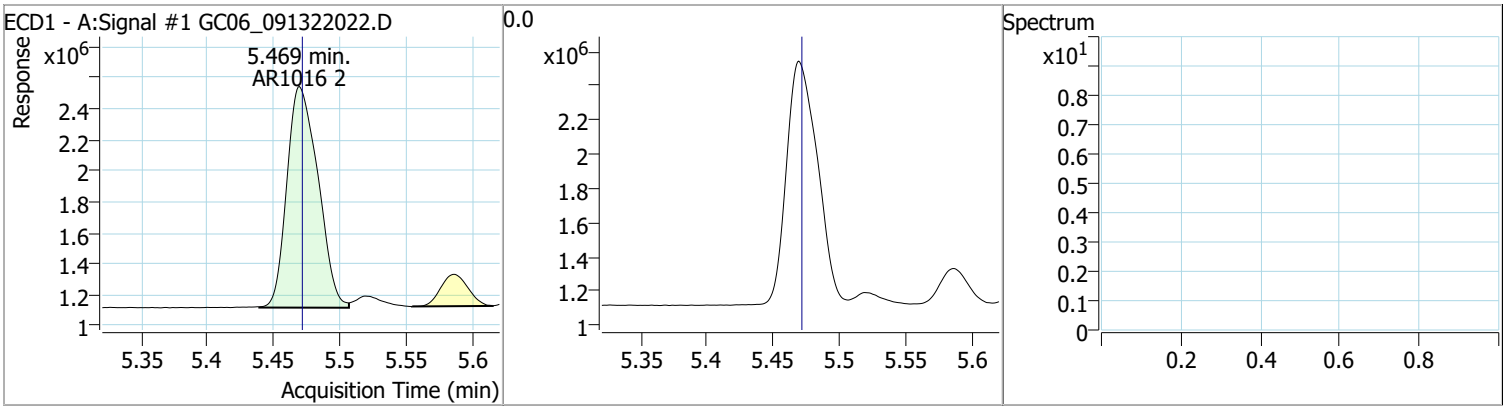
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	705.3579	5.15	0.00	1104832				



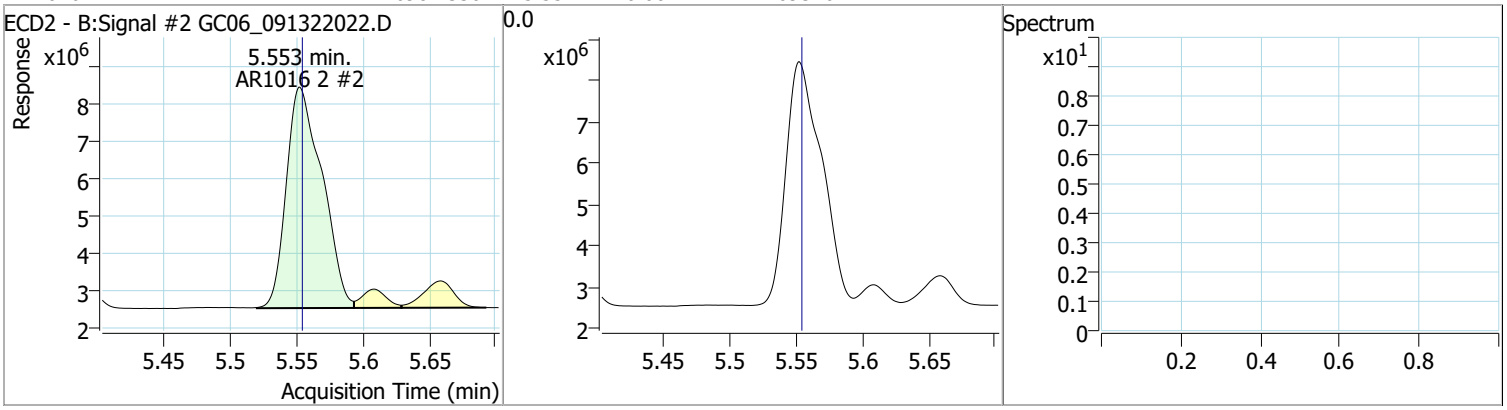
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	706.5646	5.19	0.00	5378507				



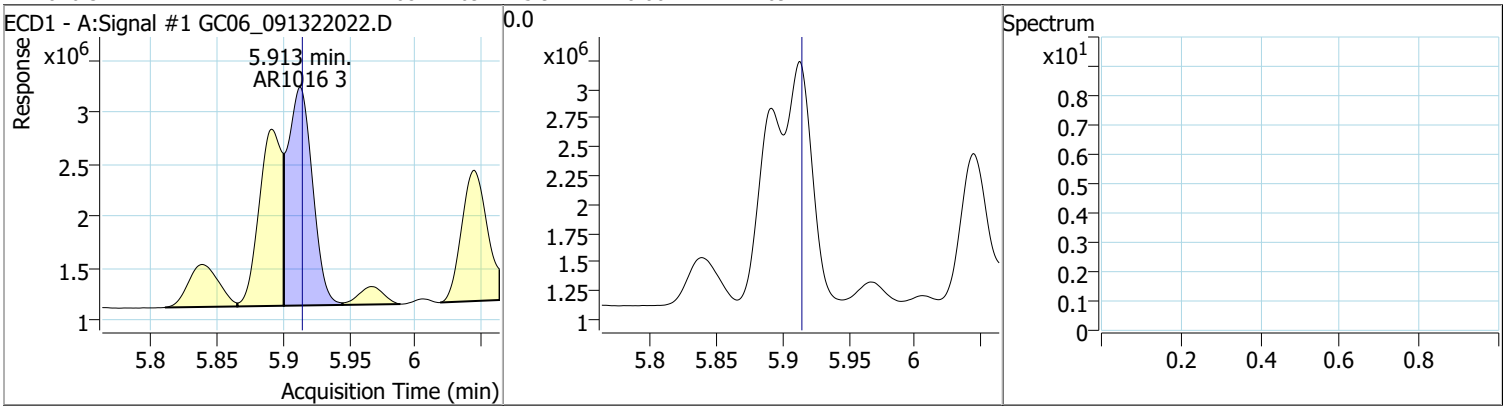
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	694.1078	5.47	0.00	2323878				



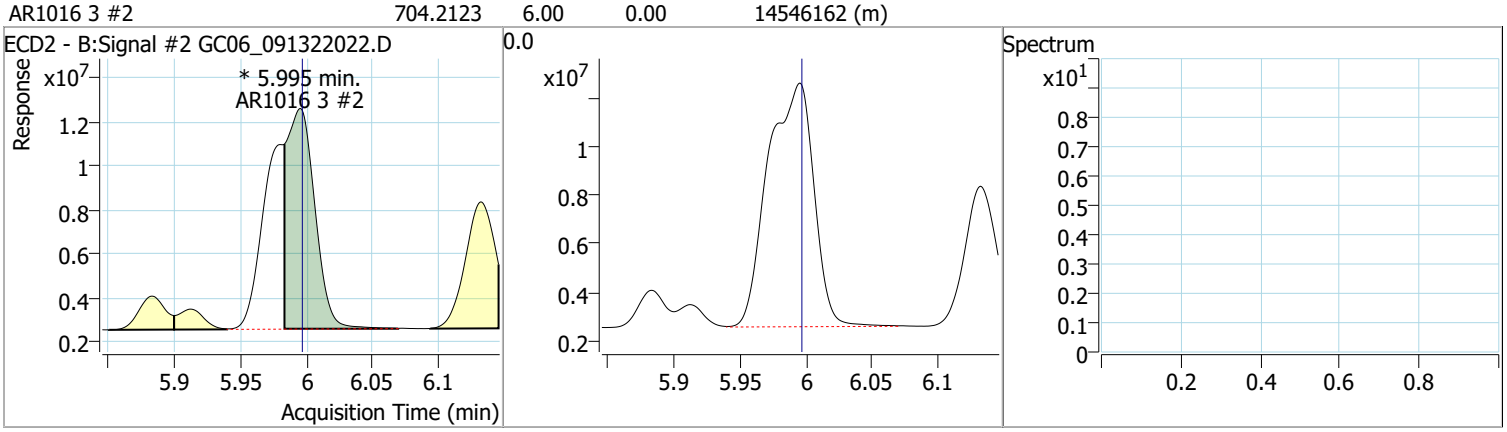
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AR1016 2 #2	698.7330	5.55	0.00	11093262				



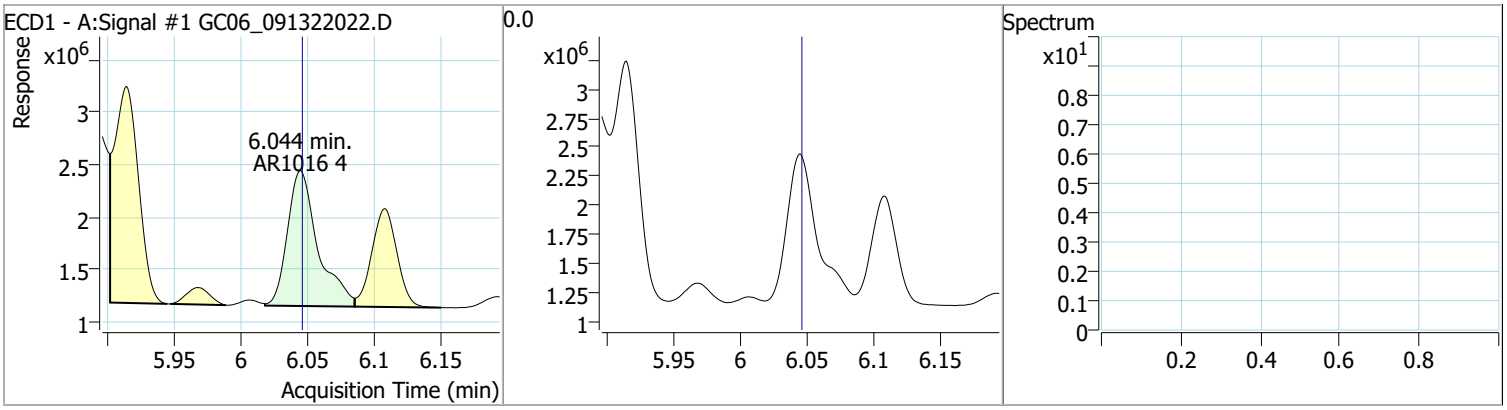
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	682.7269	5.91	0.00	2694471				



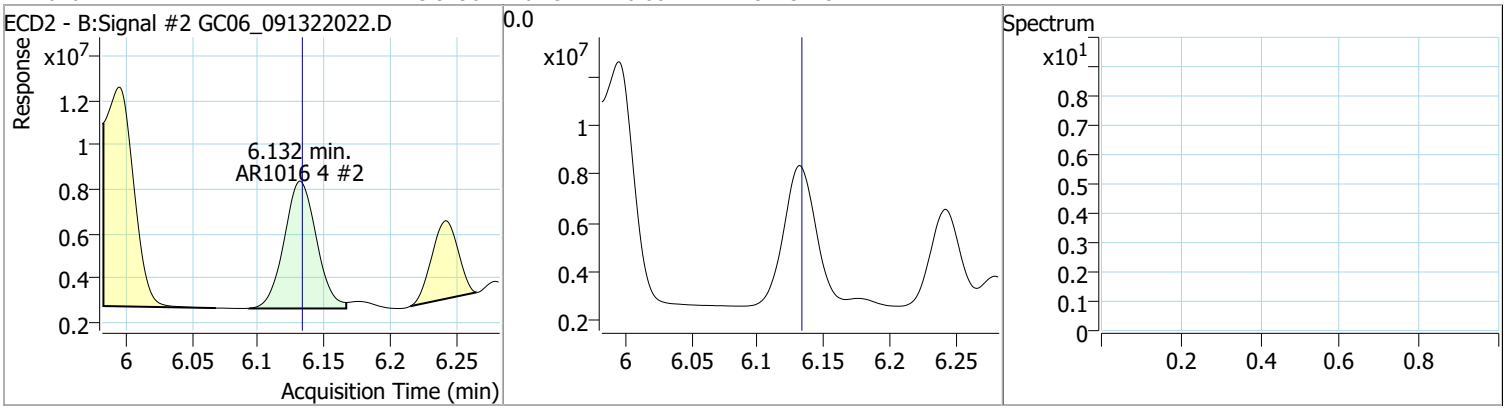
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	704.2123	6.00	0.00	14546162 (m)				



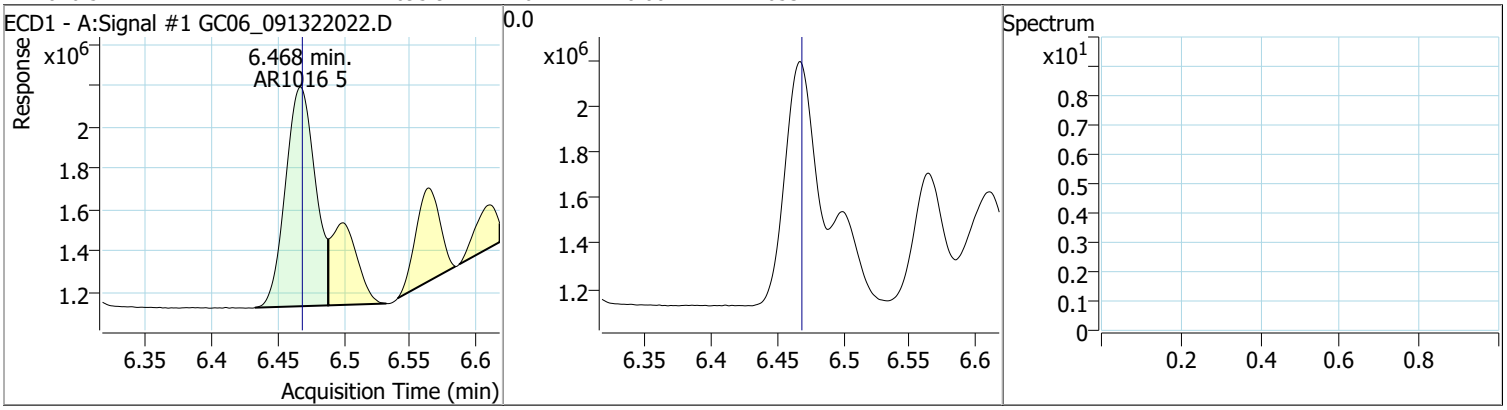
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	692.5139	6.04	0.00	2057155				



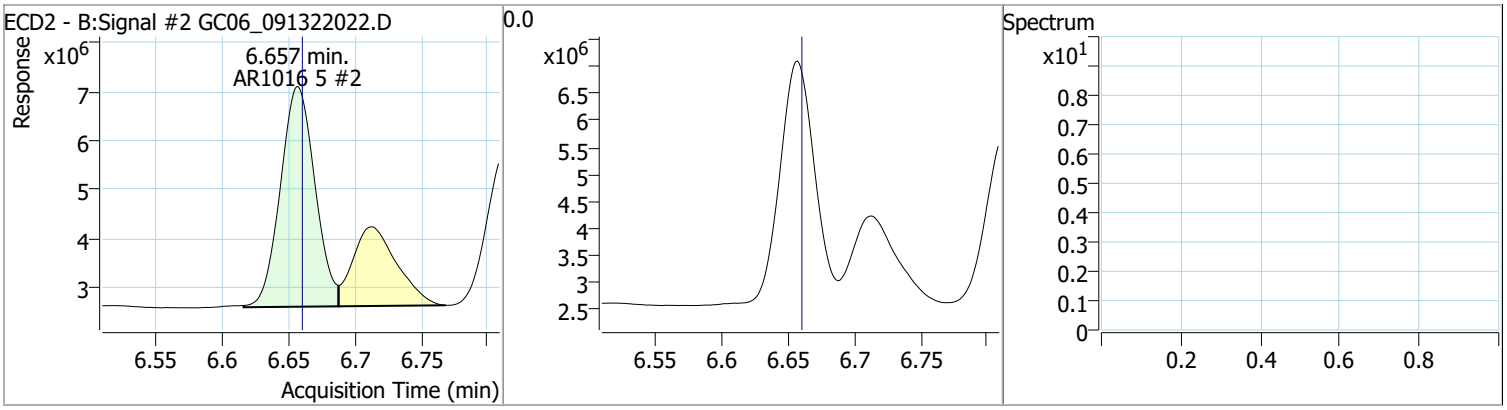
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	713.9298	6.13	0.00	9743775				



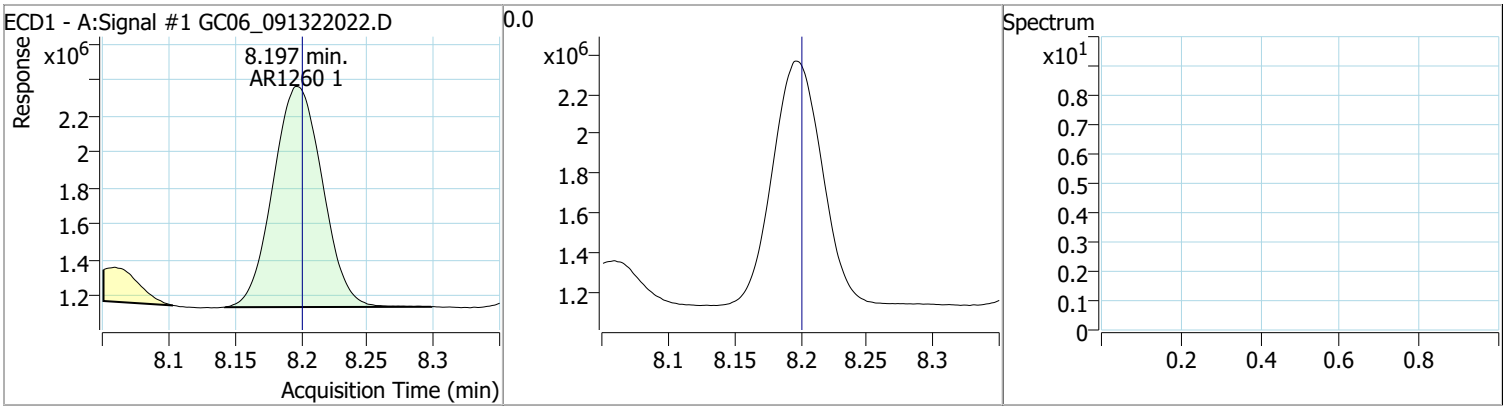
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	695.9121	6.47	0.00	1653217				



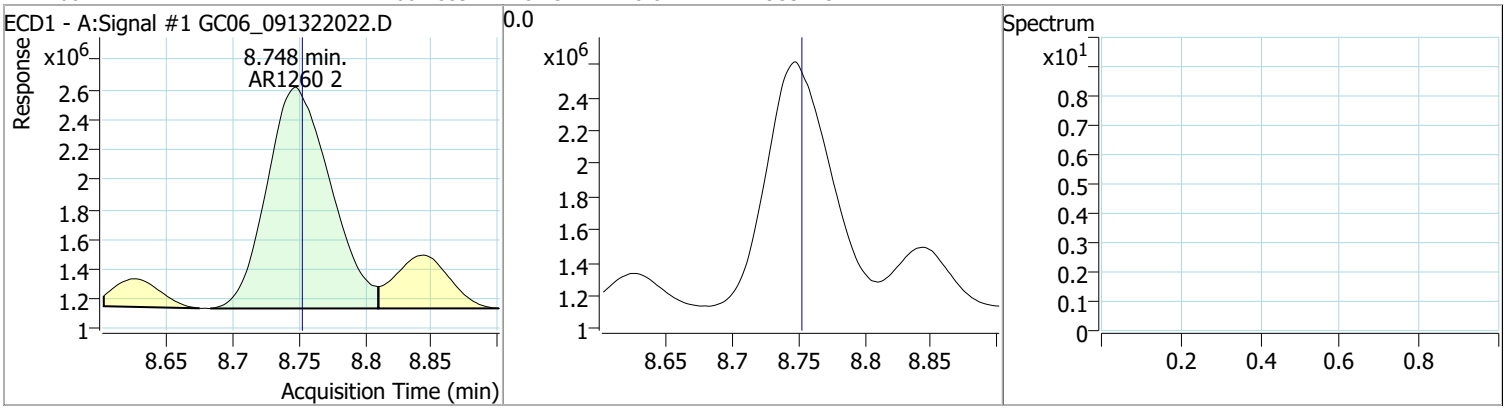
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	710.3969	6.66	0.00	8186174				



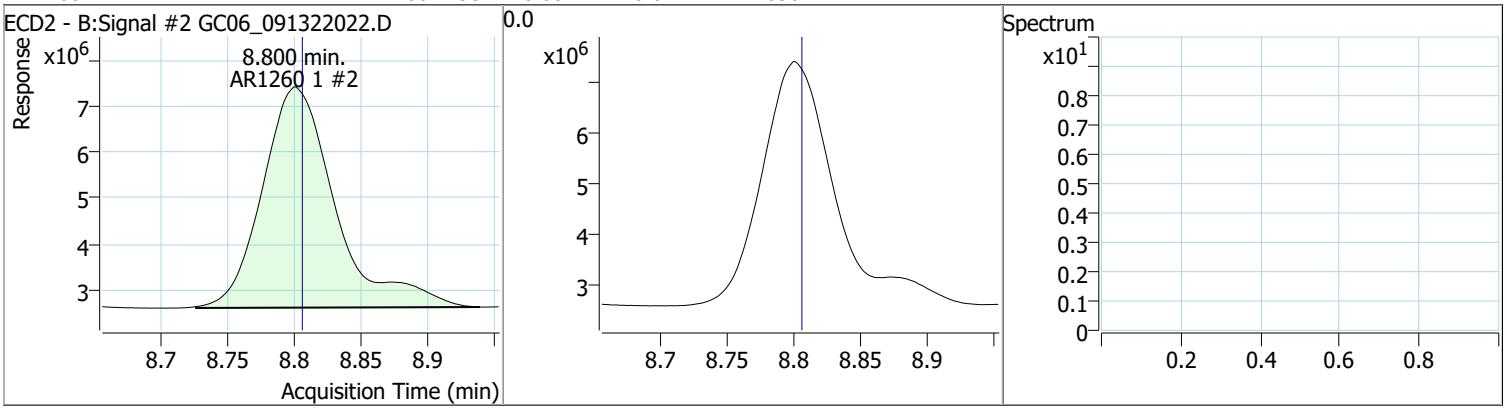
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	679.1871	8.20	-0.01	3192355				



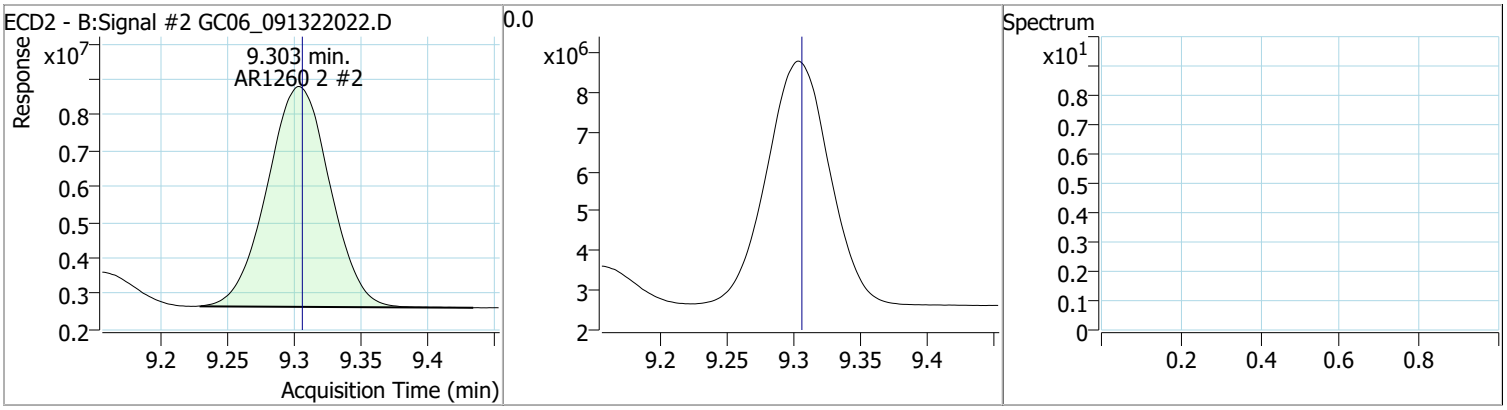
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	667.8594	8.75	-0.01	4953115				



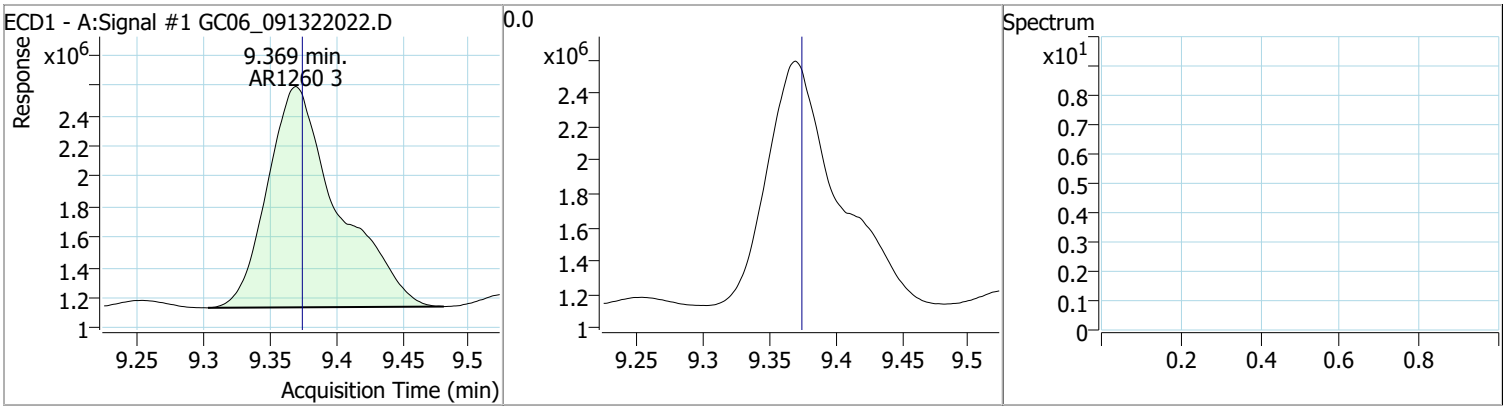
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	700.1795	8.80	-0.01	18367411				



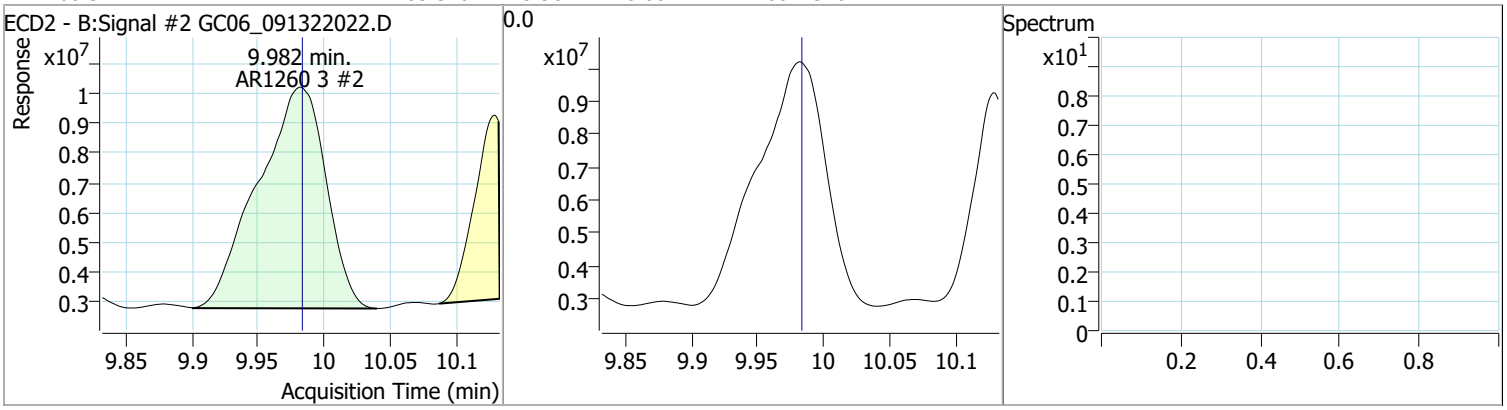
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	692.9007	9.30	0.00	20405245				



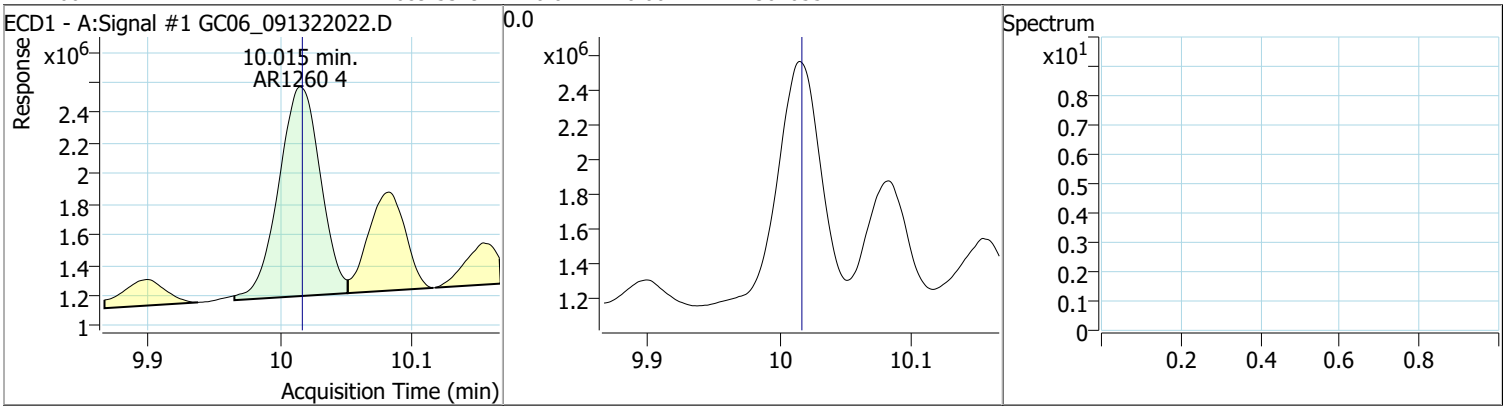
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AR1260 3	692.7704	9.37	-0.01	5379416				



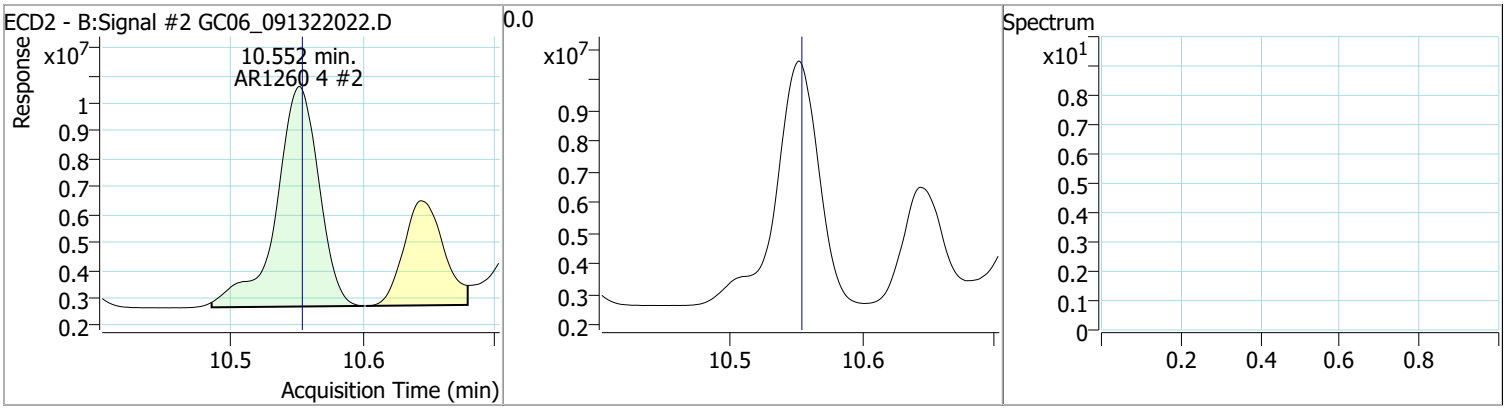
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	703.3201	9.98	0.00	26644316				



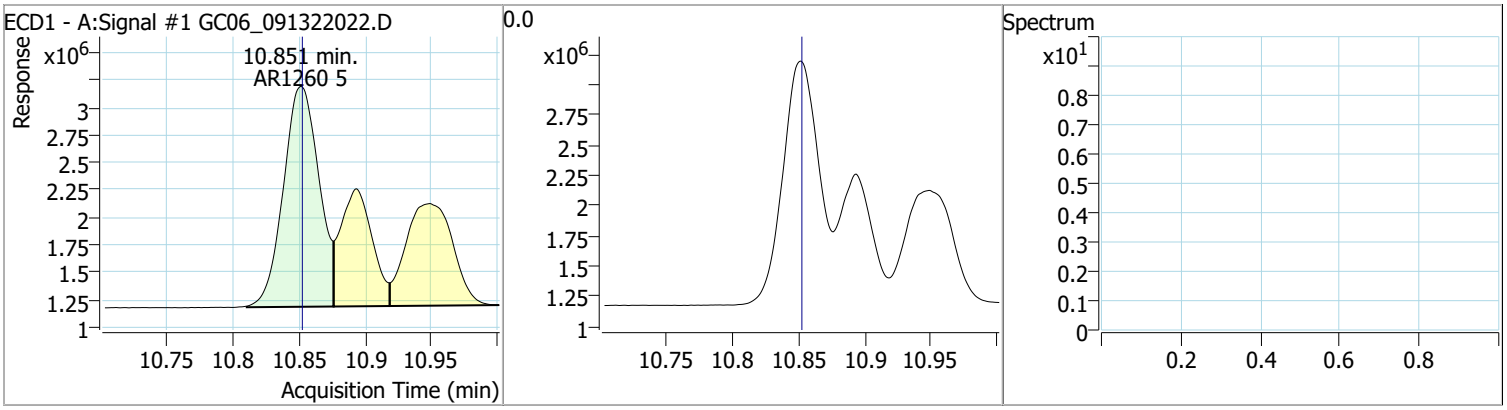
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	689.5319	10.02	0.00	3020554				



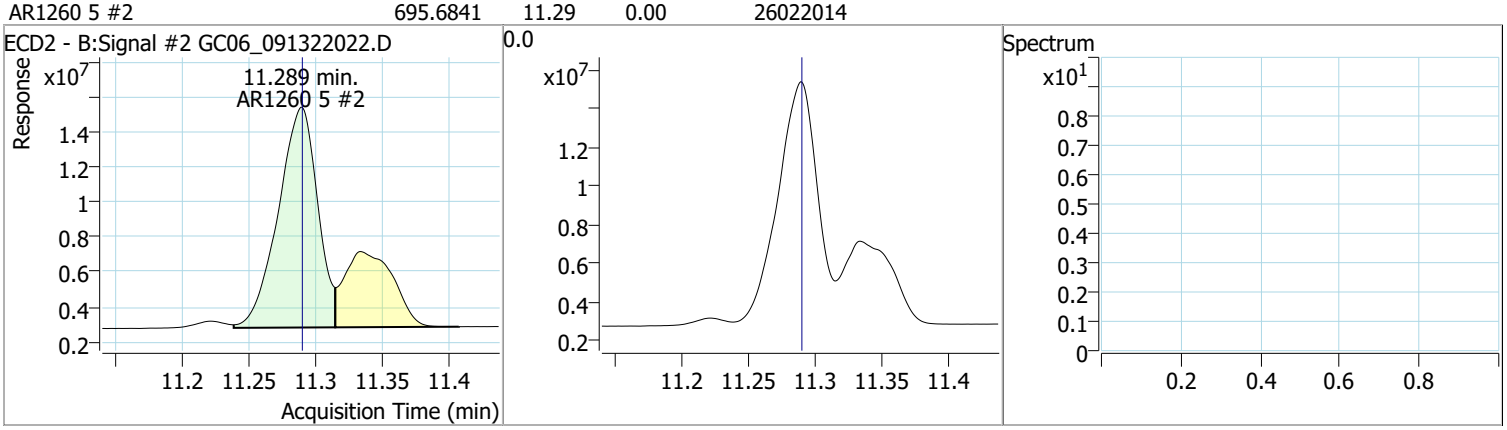
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	709.7804	10.55	0.00	17796157				



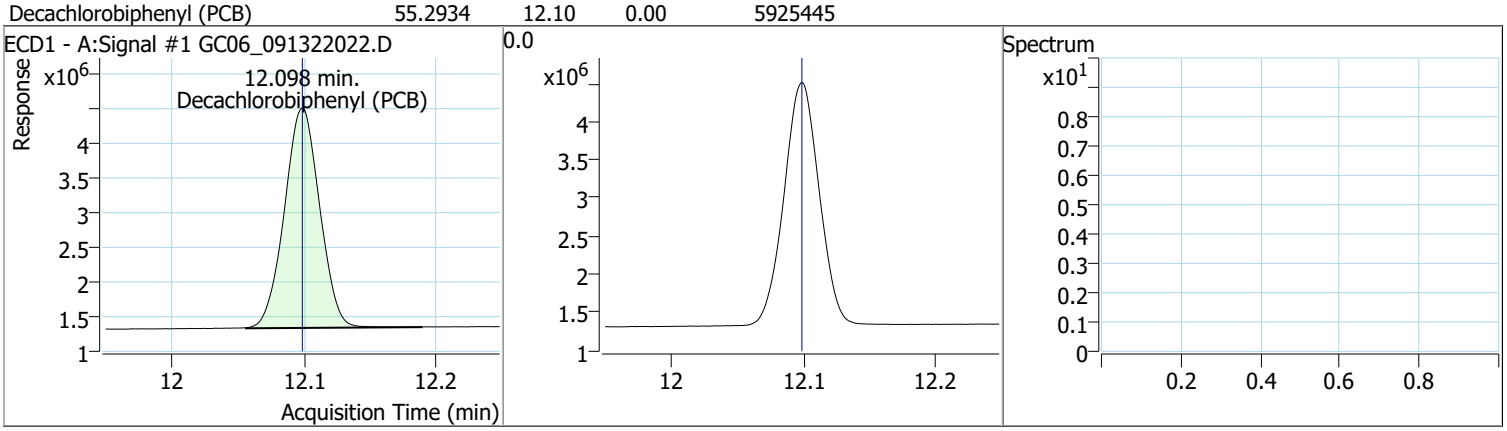
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	694.8529	10.85	0.00	3768694				



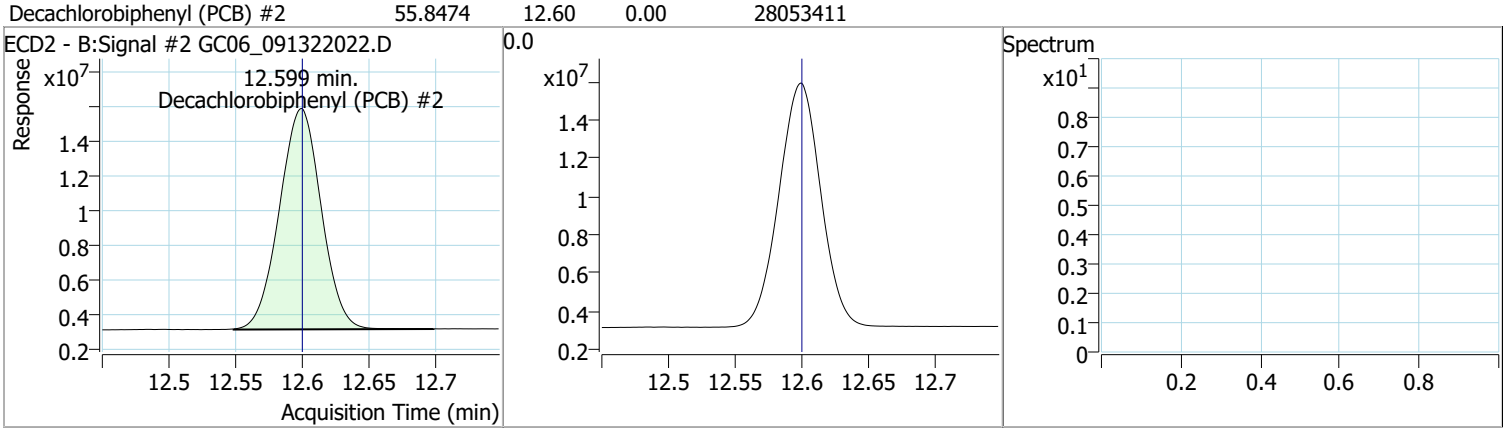
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	695.6841	11.29	0.00	26022014				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	55.2934	12.10	0.00	5925445				

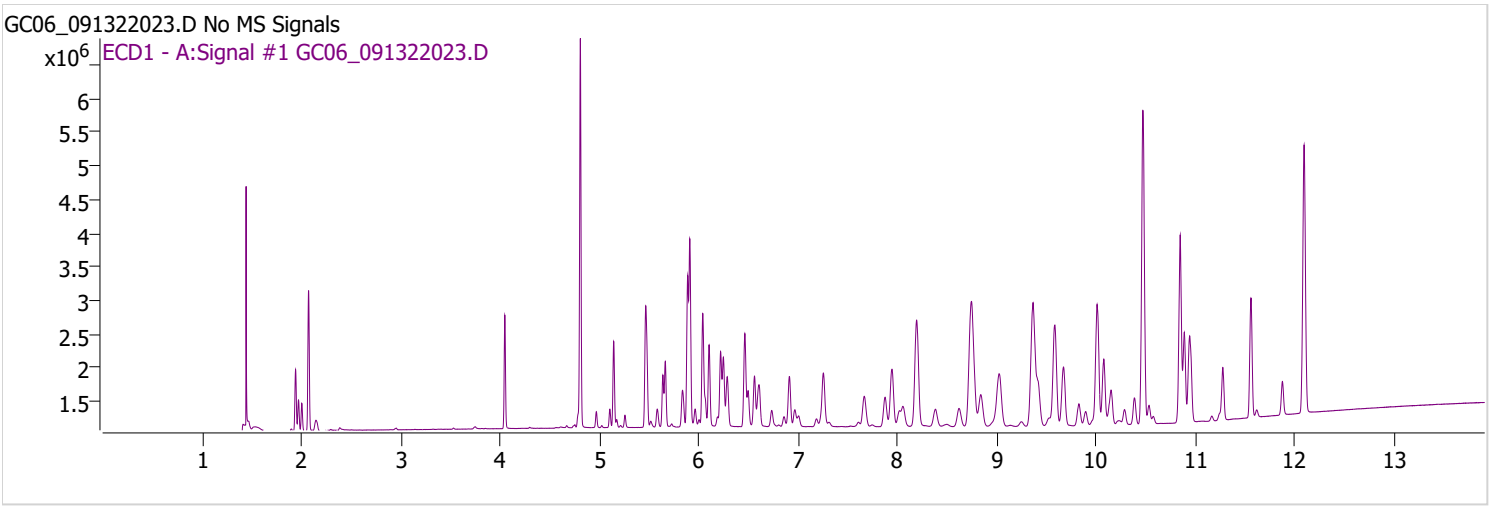


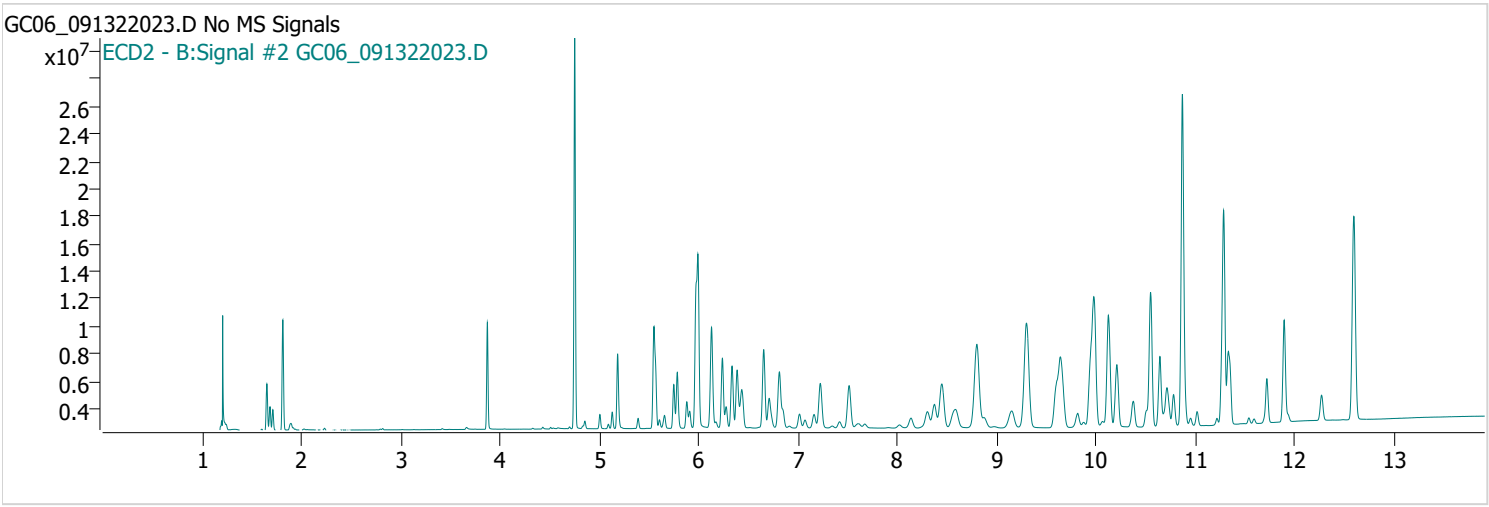
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	55.8474	12.60	0.00	28053411				



Quantitation Results Report (Not Reviewed)

Data File	GC06_091322023.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 2:23:50 AM
Sample Name	ICAL, S16585, 2	Instrument	SVOA-GC06
Vial	47	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



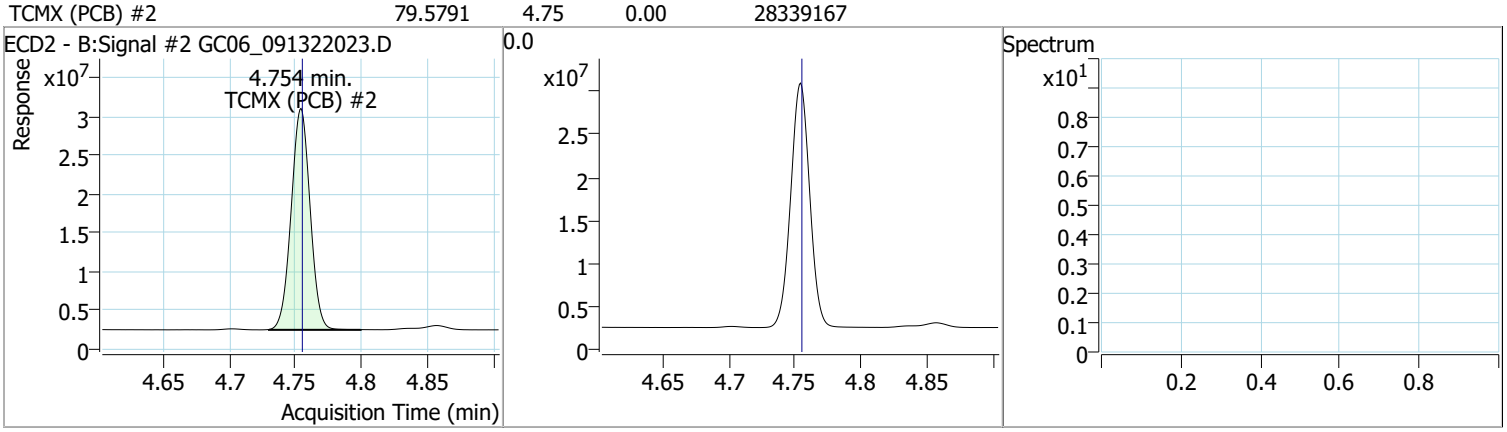


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	7274536.895	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.050	0.0	1550730.821	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.754	0.0	28339167.242	79.5791	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 397.90%		*	
S TCMX (PCB)	4.811	0.0	5723741.729	77.4890	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 387.44%		*	
S Decachlorobiphenyl (PCB)	12.099	0.0	7431472.733	71.4521	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 357.26%		*	
S Decachlorobiphenyl (PCB) #2	12.600	0.0	33751491.533	69.9447	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 349.72%		*	
Target Compounds							QValue

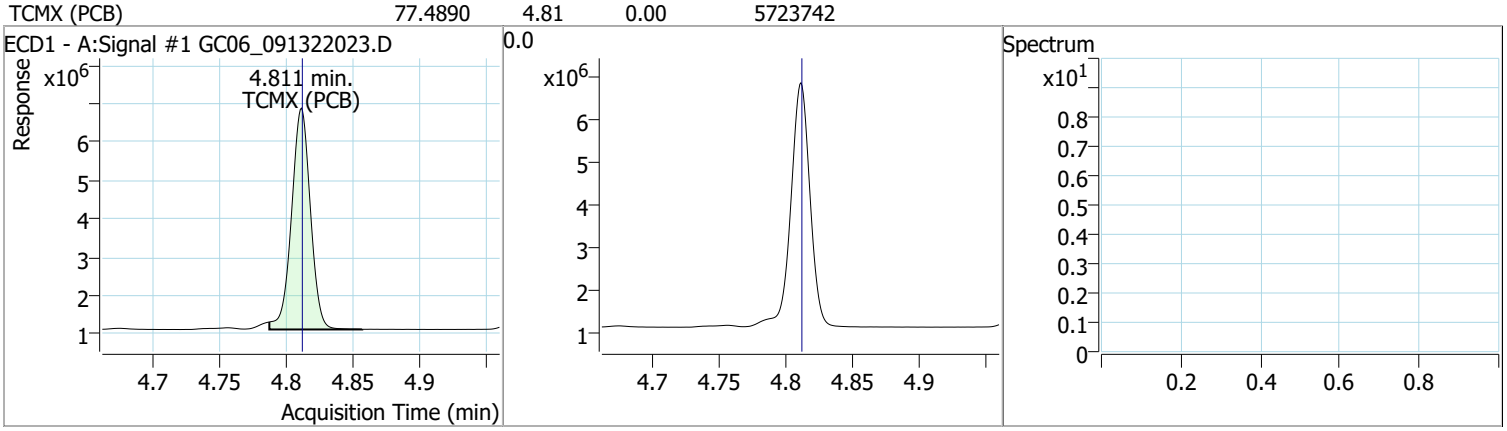
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.147	0.0	1414305.129	930.3463	ng/ml		100
T AR1016 1 #2	5.187	0.0	6727252.754	919.9683	ng/ml		100
T AR1016 2	5.469	0.0	2931245.469	902.0989	ng/ml		100
T AR1016 2 #2	5.553	0.0	13919148.465	912.6613	ng/ml		100
T AR1016 3	5.913	0.0	3513394.692	917.2523	ng/ml		100
T AR1016 3 #2	5.994	0.0	18131017.343	913.7394	ng/ml	m	100
T AR1016 4	6.043	0.0	2650554.735	919.3621	ng/ml		100
T AR1016 4 #2	6.132	0.0	12299925.918	938.1575	ng/ml		100
T AR1016 5	6.468	0.0	2149943.397	932.4809	ng/ml		100
T AR1016 5 #2	6.658	0.0	10312538.133	931.6025	ng/ml		100
T AR1260 1	8.198	0.0	4151764.106	910.1211	ng/ml		100
T AR1260 2	8.749	0.0	6358681.717	883.4094	ng/ml		100
T AR1260 1 #2	8.804	0.0	23010490.522	913.1293	ng/ml		100
T AR1260 2 #2	9.303	0.0	25426645.419	898.8004	ng/ml		100
T AR1260 3	9.370	0.0	6957083.553	923.1446	ng/ml		100
T AR1260 3 #2	9.981	0.0	33438635.943	918.8444	ng/ml		100
T AR1260 4	10.014	0.0	3885732.886	913.9639	ng/ml		100
T AR1260 4 #2	10.553	0.0	22289719.034	925.4380	ng/ml		100
T AR1260 5	10.852	0.0	4846672.063	920.7335	ng/ml		100
T AR1260 5 #2	11.288	0.0	32514070.133	904.8726	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

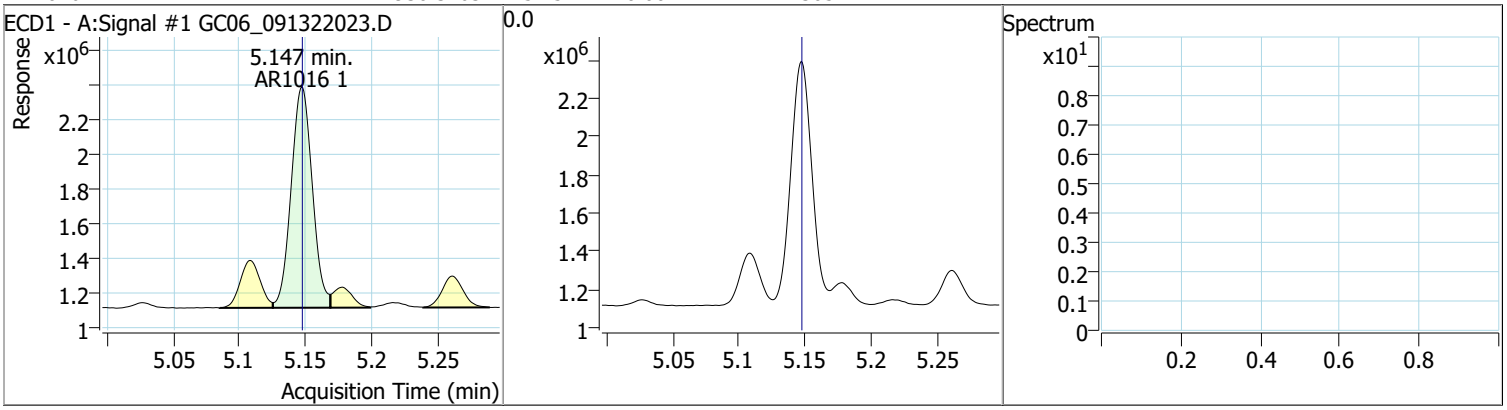
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	79.5791	4.75	0.00	28339167				



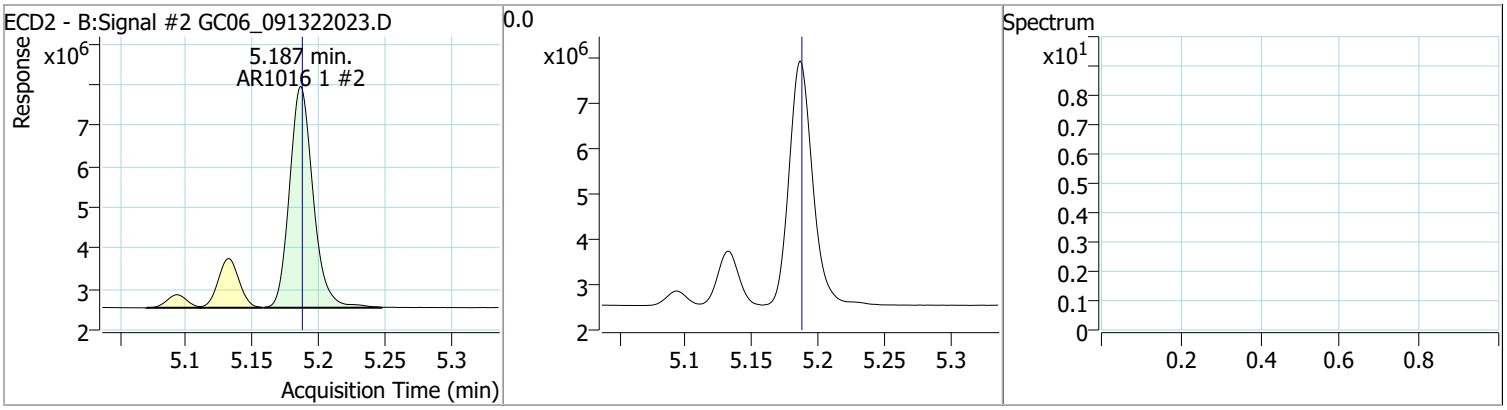
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	77.4890	4.81	0.00	5723742				



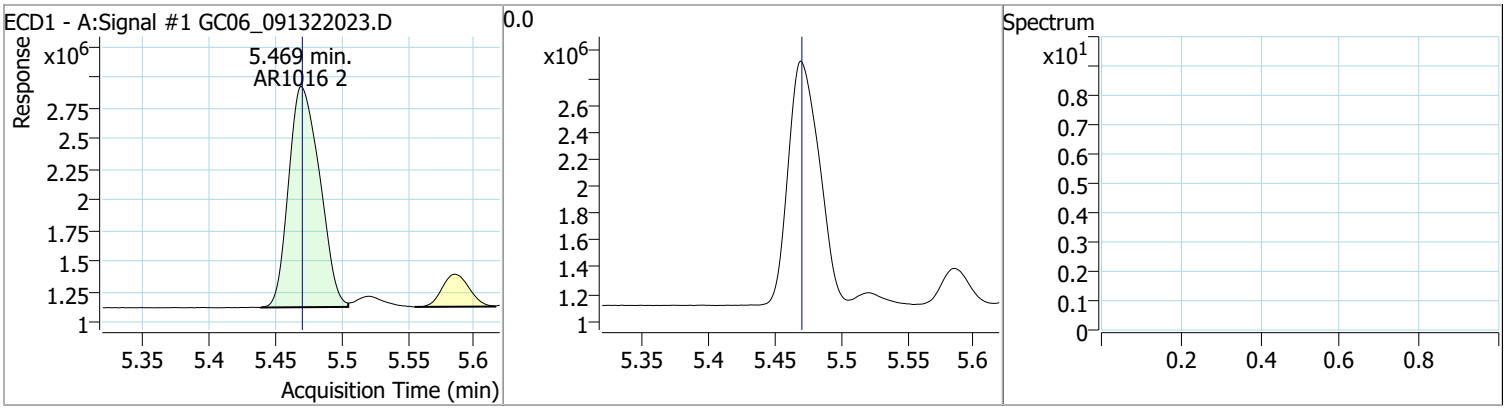
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	930.3463	5.15	0.00	1414305				



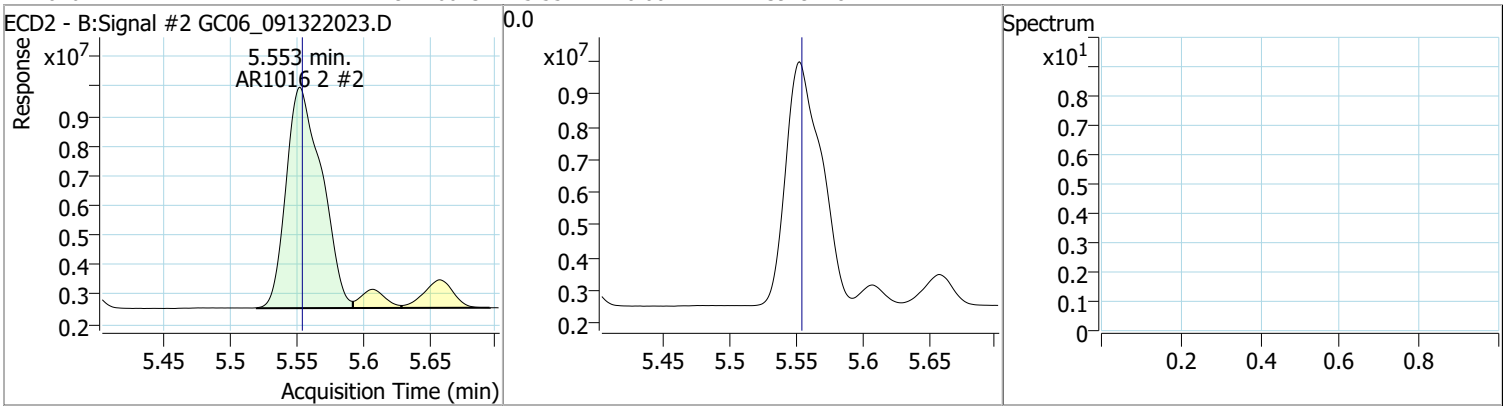
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	919.9683	5.19	0.00	6727253				



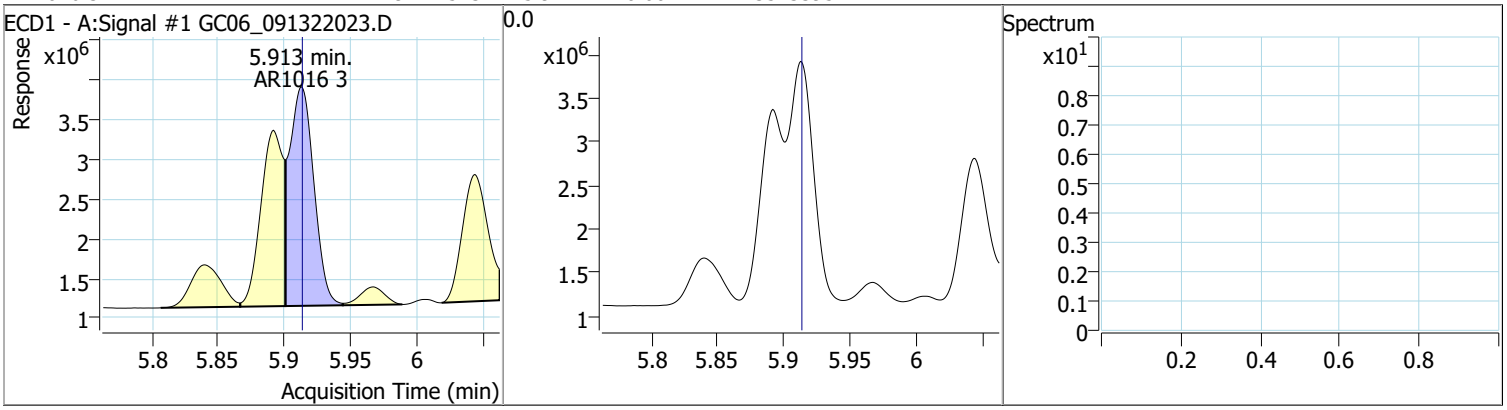
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	902.0989	5.47	0.00	2931245				



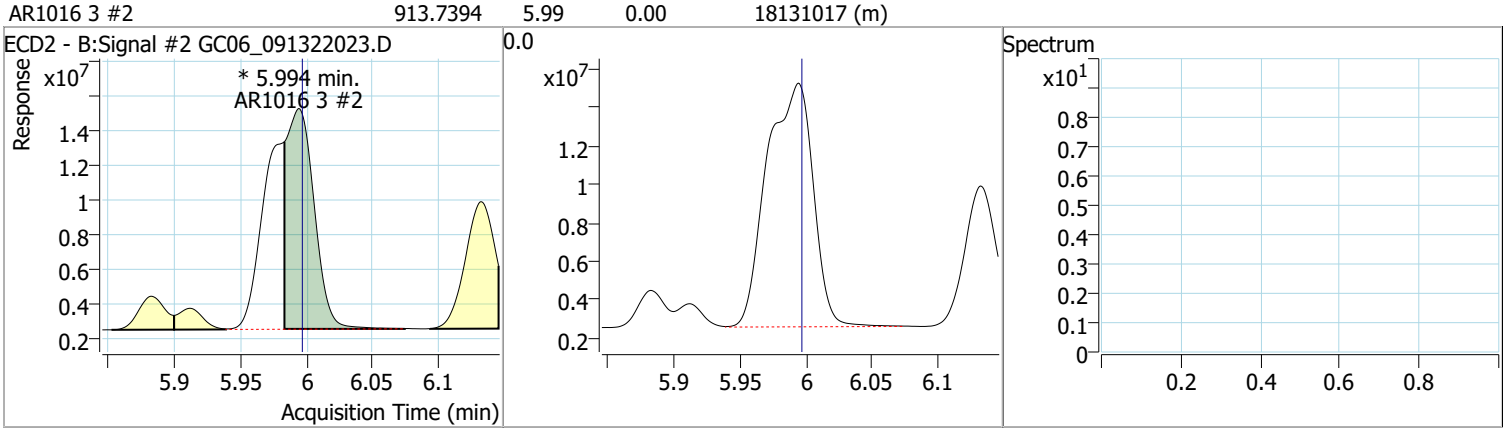
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	912.6613	5.55	0.00	13919148				



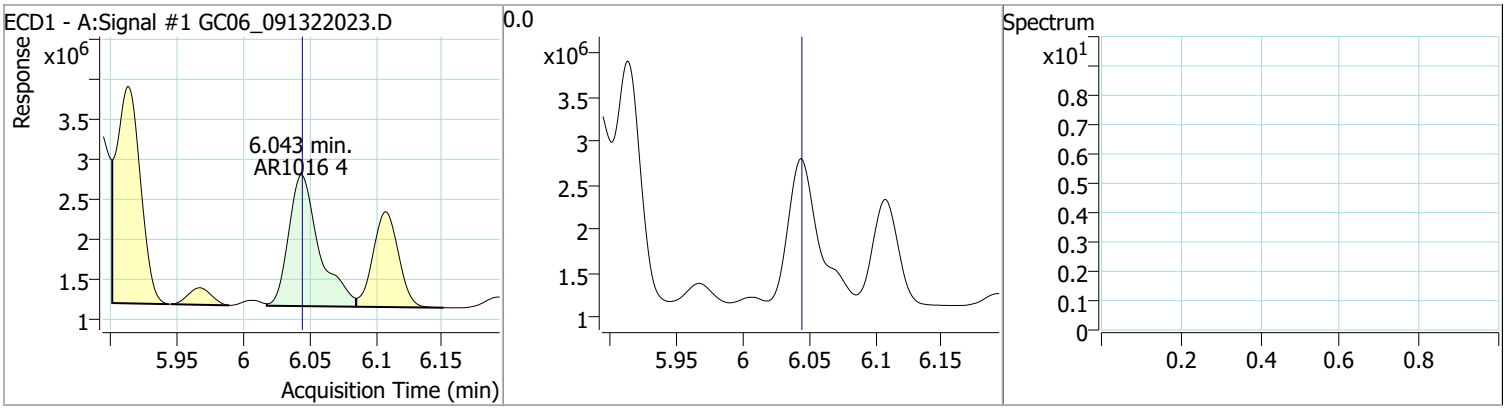
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AR1016 3	917.2523	5.91	0.00	3513395				



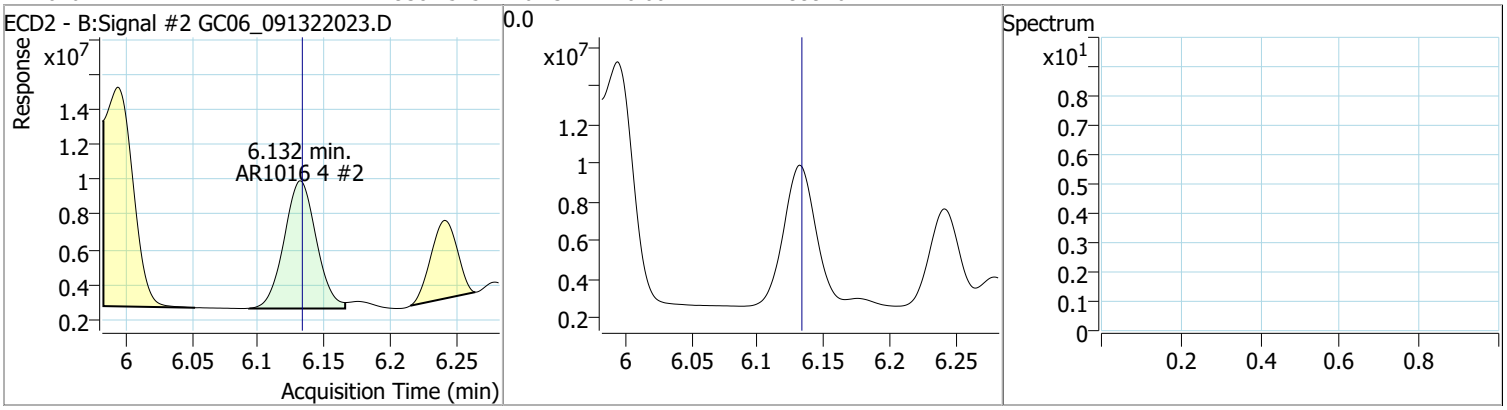
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	913.7394	5.99	0.00	18131017 (m)				



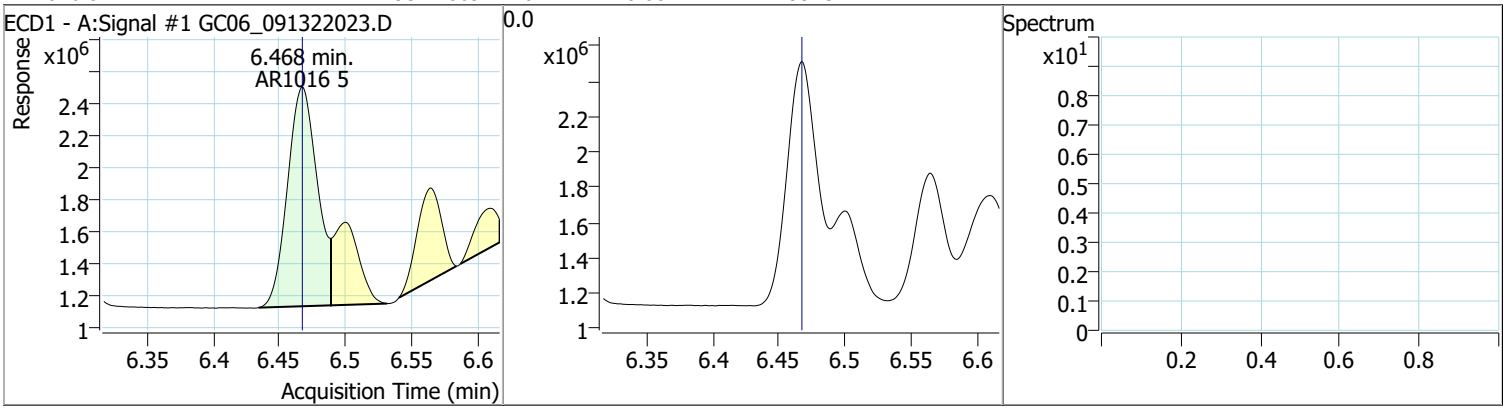
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	919.3621	6.04	0.00	2650555				



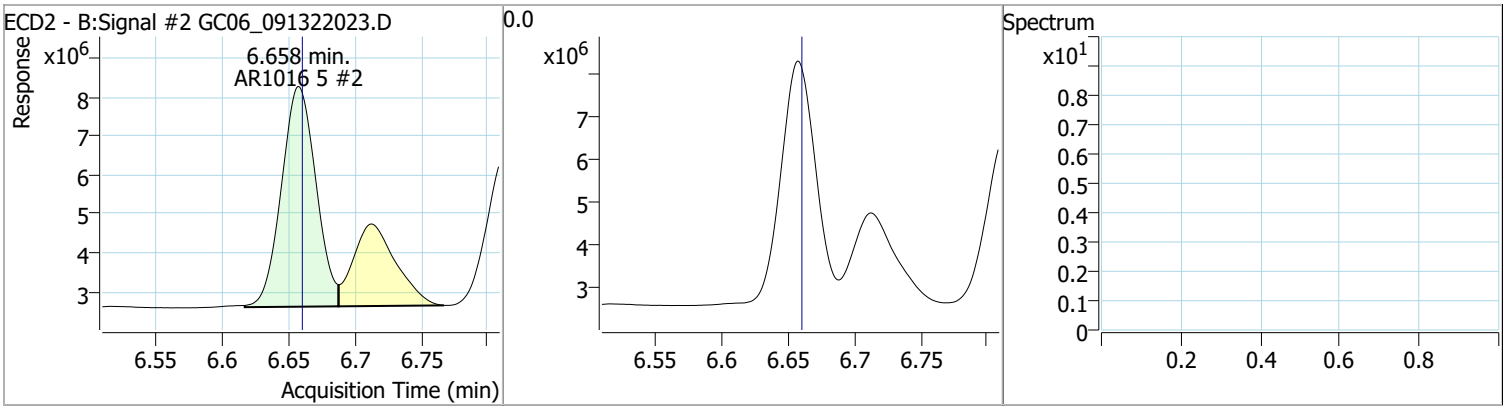
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AR1016 4 #2	938.1575	6.13	0.00	12299926				



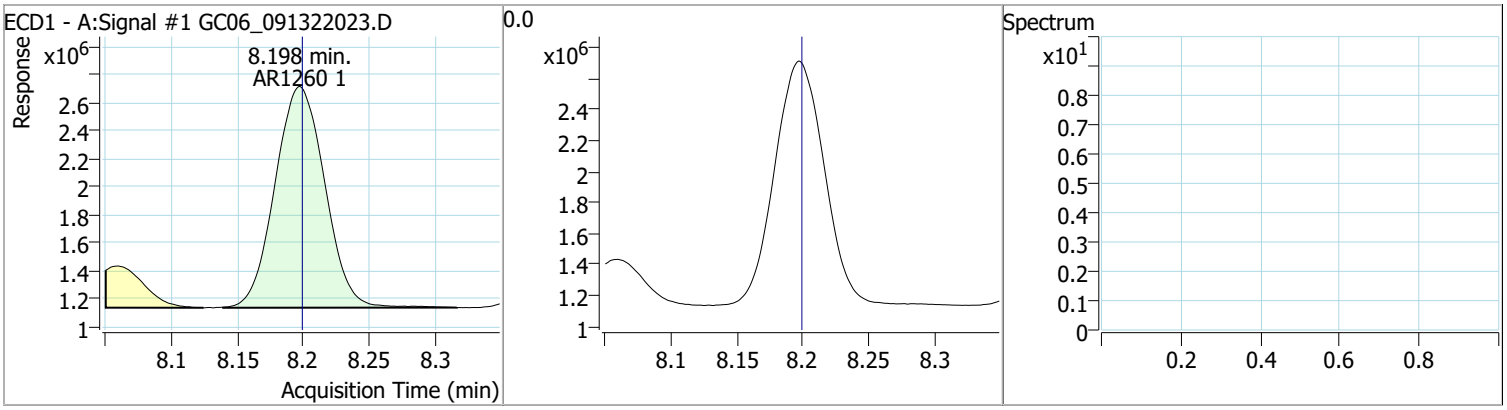
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	932.4809	6.47	0.00	2149943				



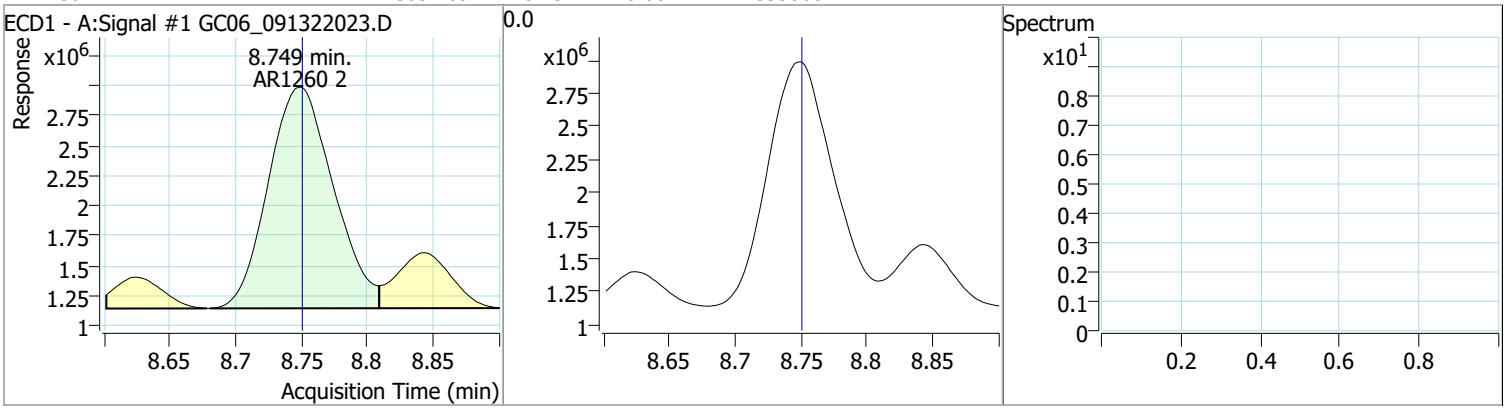
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AR1016 5 #2	931.6025	6.66	0.00	10312538				



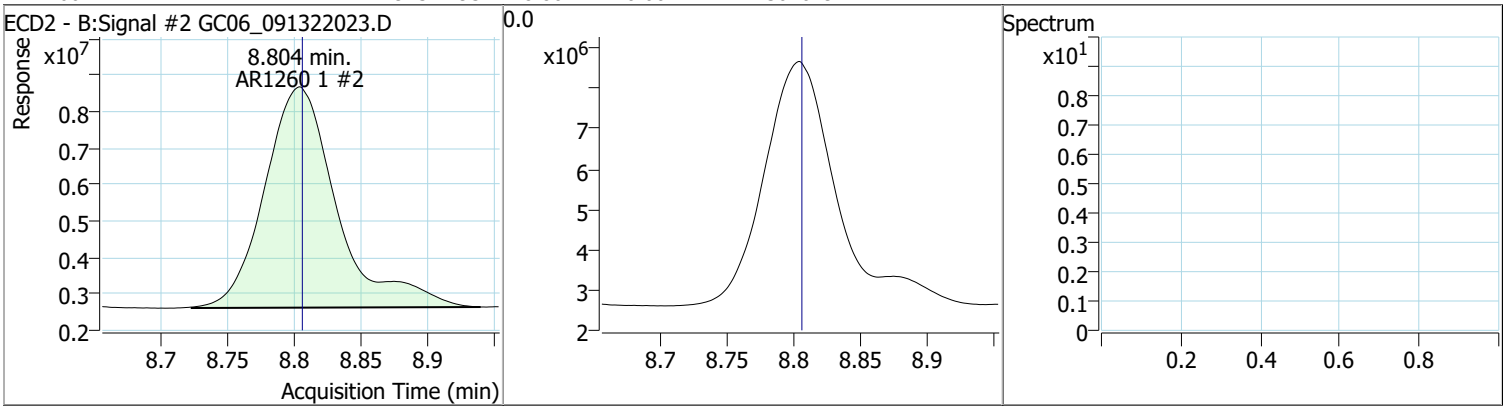
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	910.1211	8.20	0.00	4151764				



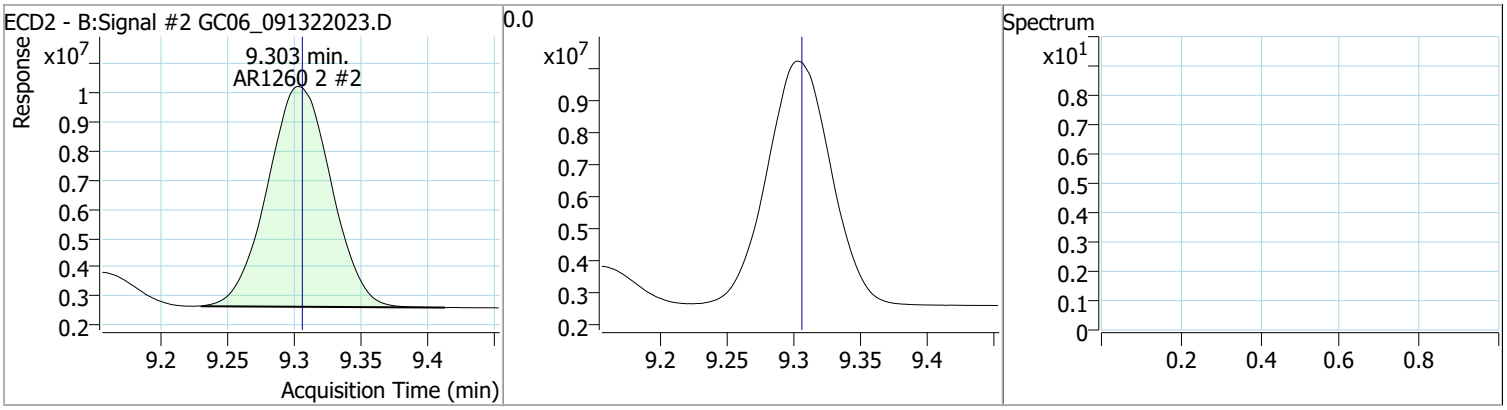
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	883.4094	8.75	0.00	6358682				



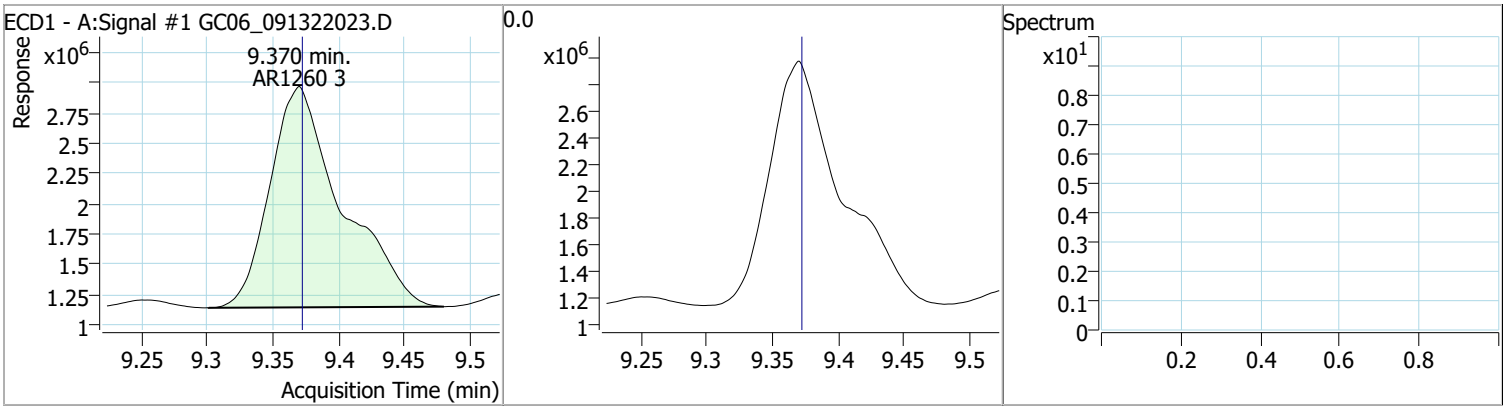
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AR1260 1 #2	913.1293	8.80	0.00	23010491				



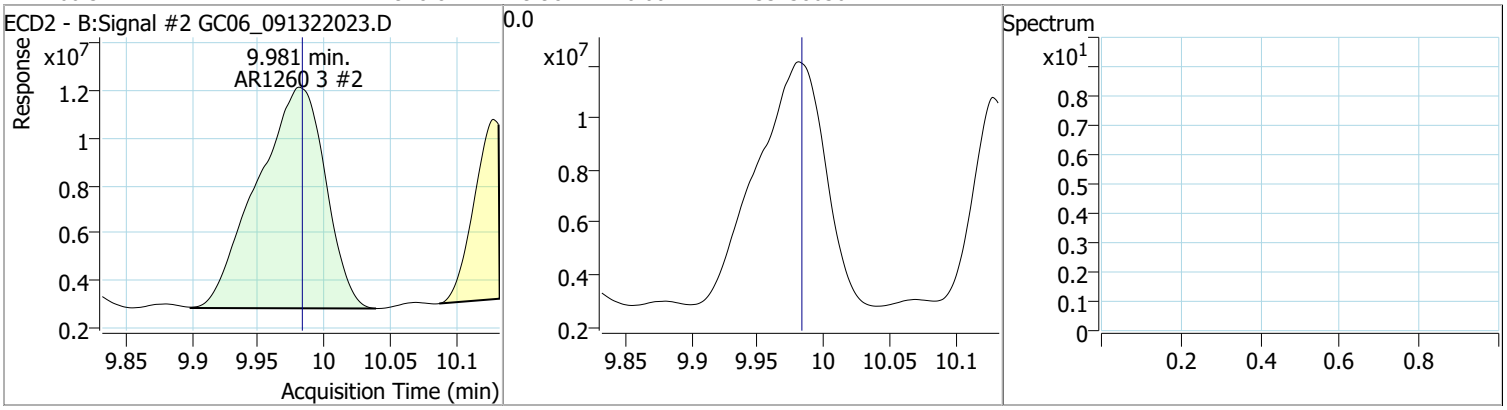
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	898.8004	9.30	0.00	25426645				



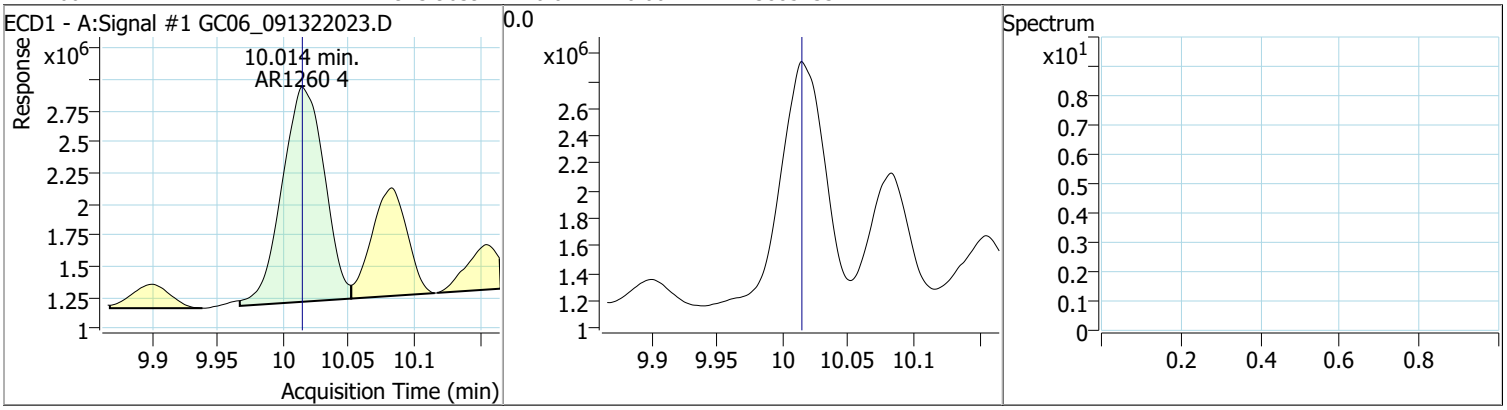
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	923.1446	9.37	-0.01	6957084				



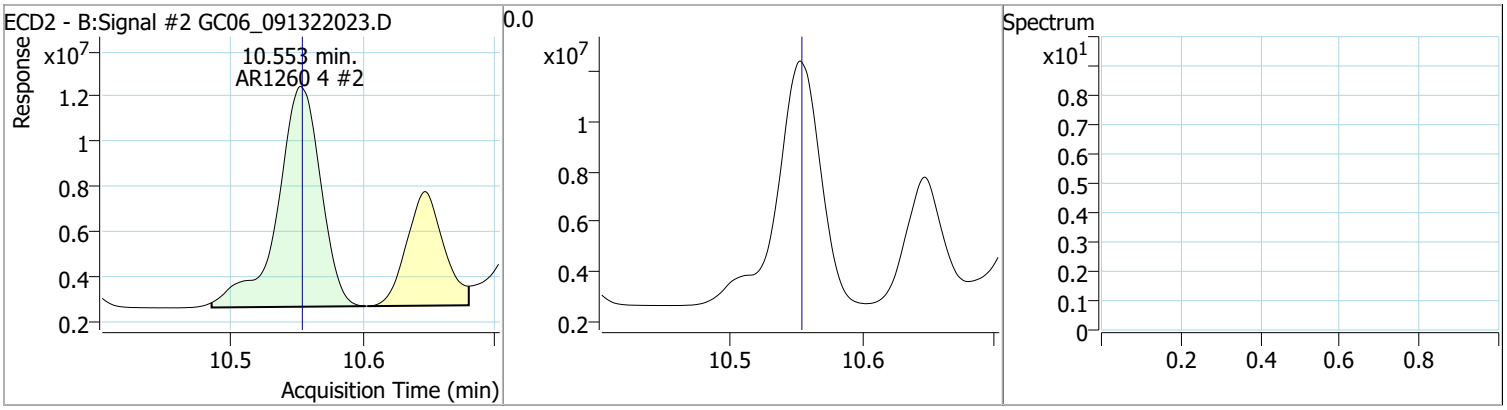
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	918.8444	9.98	0.00	33438636				



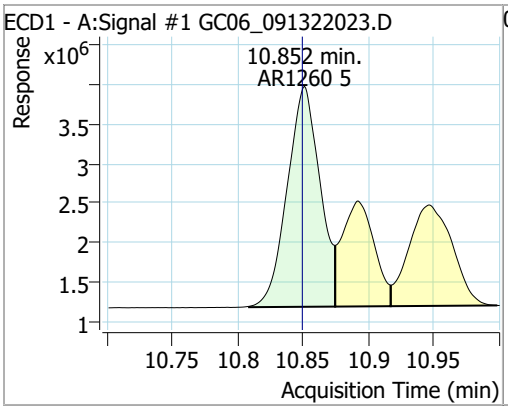
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	913.9639	10.01	0.00	3885733				

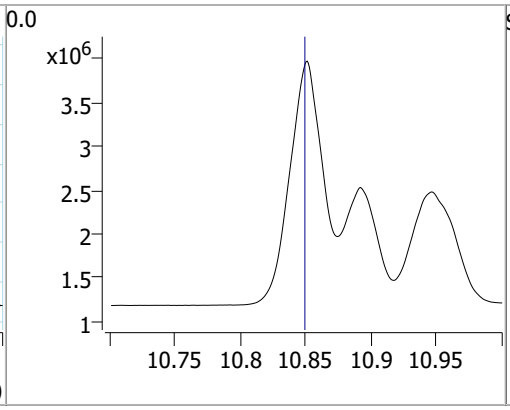


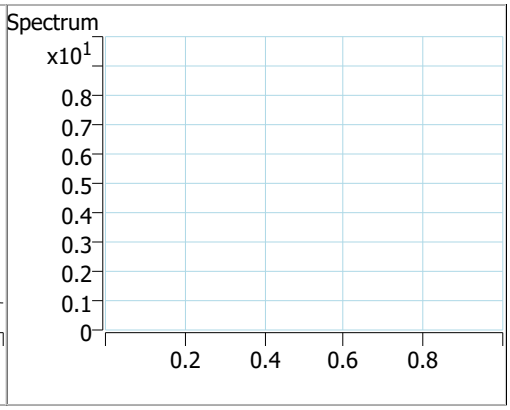
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	925.4380	10.55	0.00	22289719				



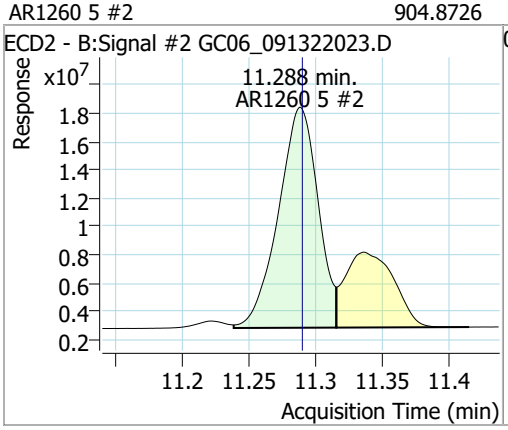
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	920.7335	10.85	0.00	4846672				

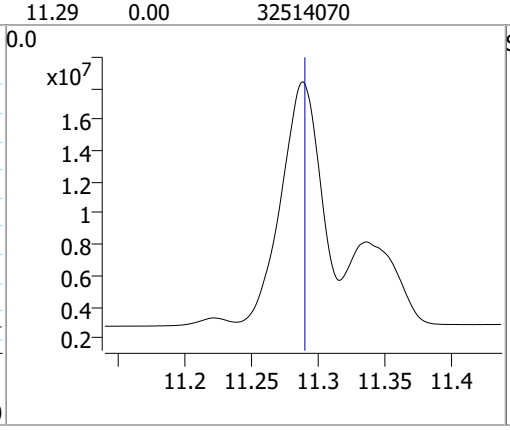


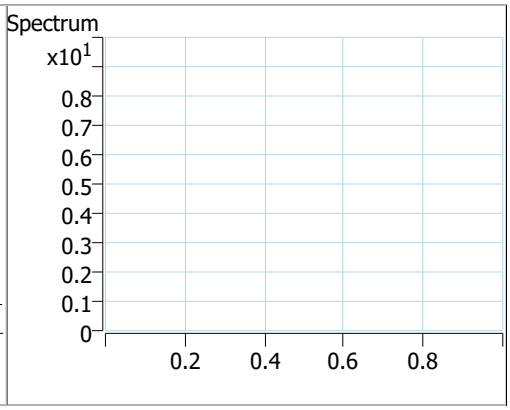




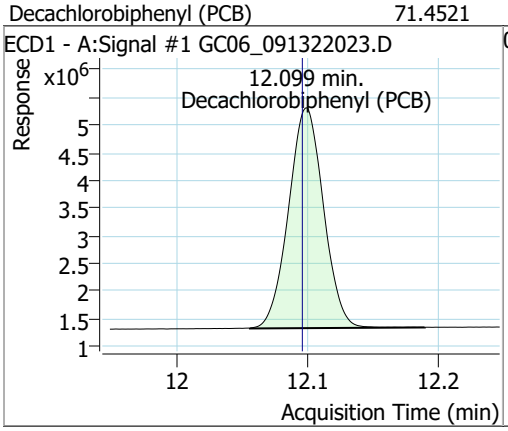
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	904.8726	11.29	0.00	32514070				

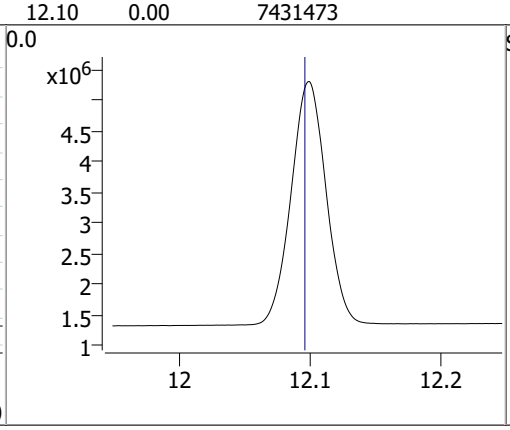


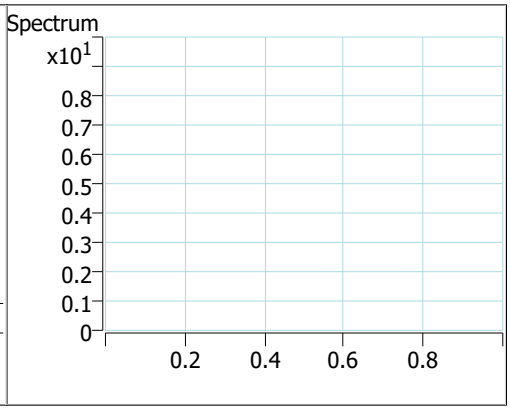




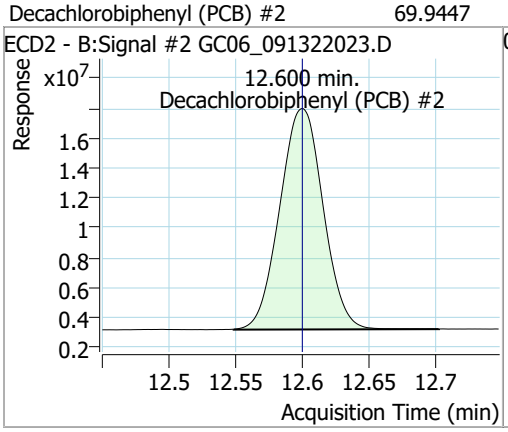
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	71.4521	12.10	0.00	7431473				

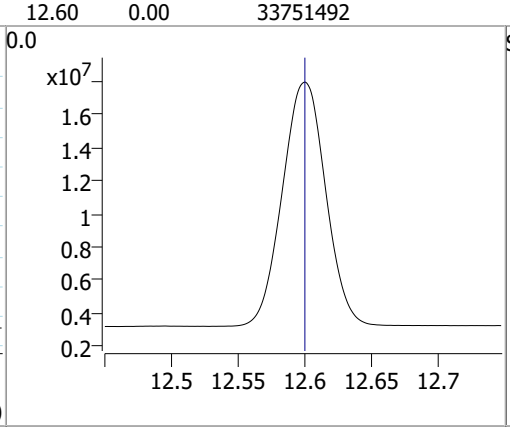


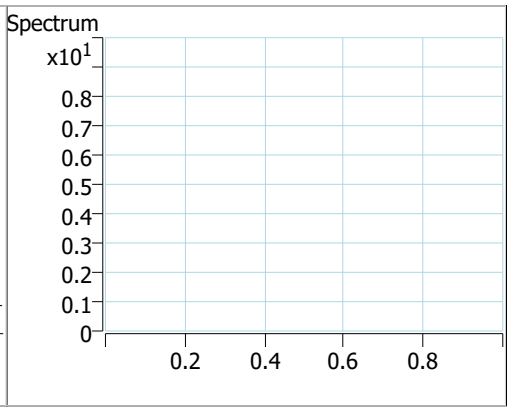




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	69.9447	12.60	0.00	33751492				

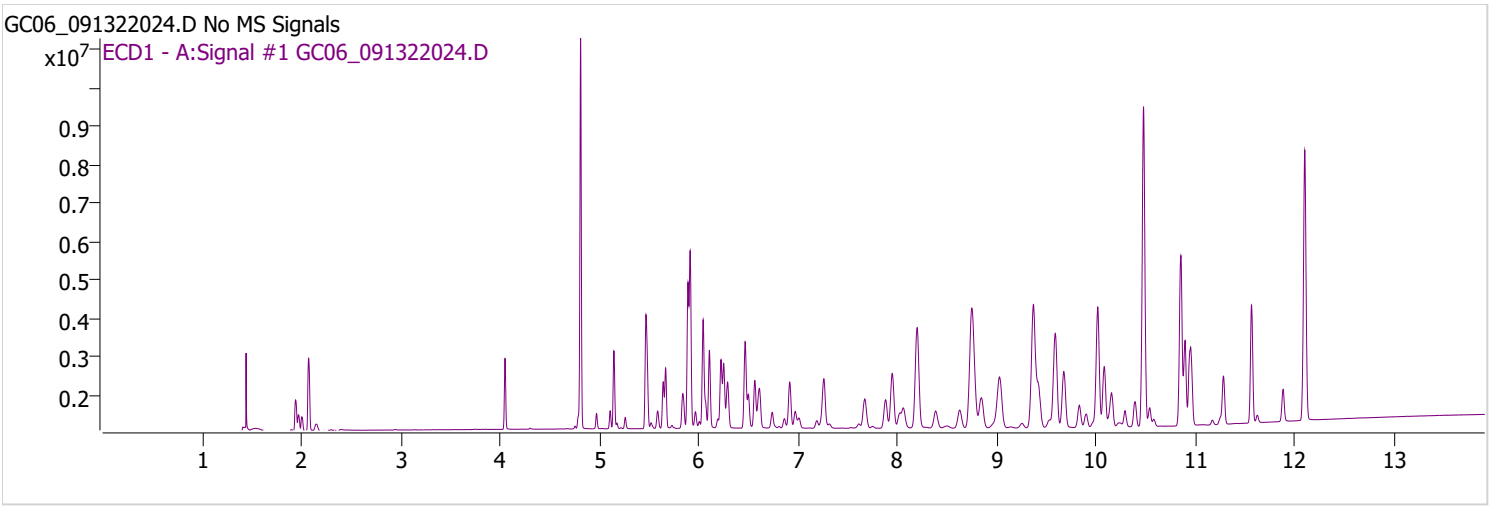


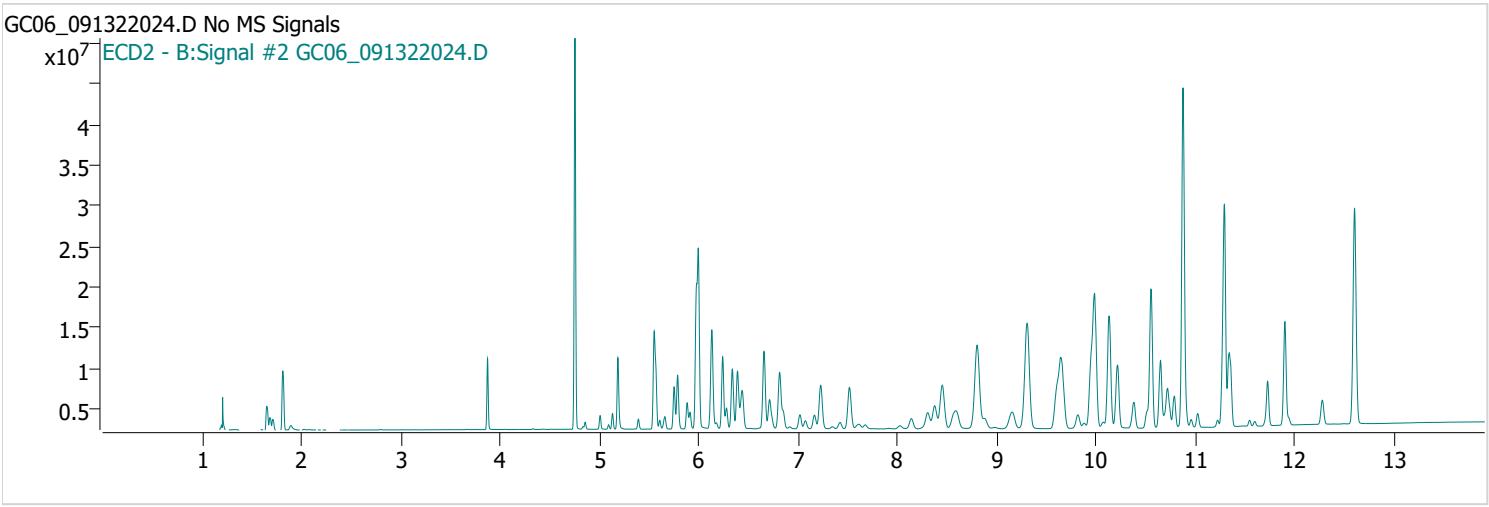




Quantitation Results Report (Not Reviewed)

Data File	GC06_091322024.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 2:41:11 AM
Sample Name	ICAL, S16585, 1.33	Instrument	SVOA-GC06
Vial	48	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



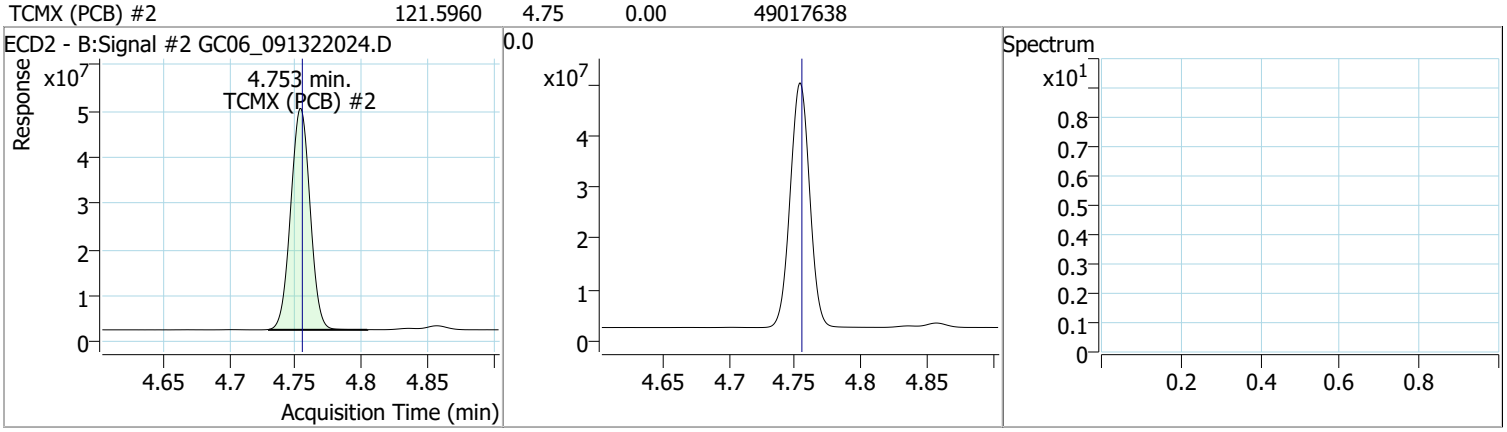


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	8234751.048	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.050	0.0	1752373.311	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.753	0.0	49017638.332	121.5960	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 607.98%		*	
S TCMX (PCB)	4.811	0.0	10001467.085	119.8211	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 599.11%		*	
S Decachlorobiphenyl (PCB)	12.099	0.0	12739350.551	108.3920	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 541.96%		*	
S Decachlorobiphenyl (PCB) #2	12.600	0.0	57203918.676	104.7231	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 523.62%		*	
Target Compounds							QValue

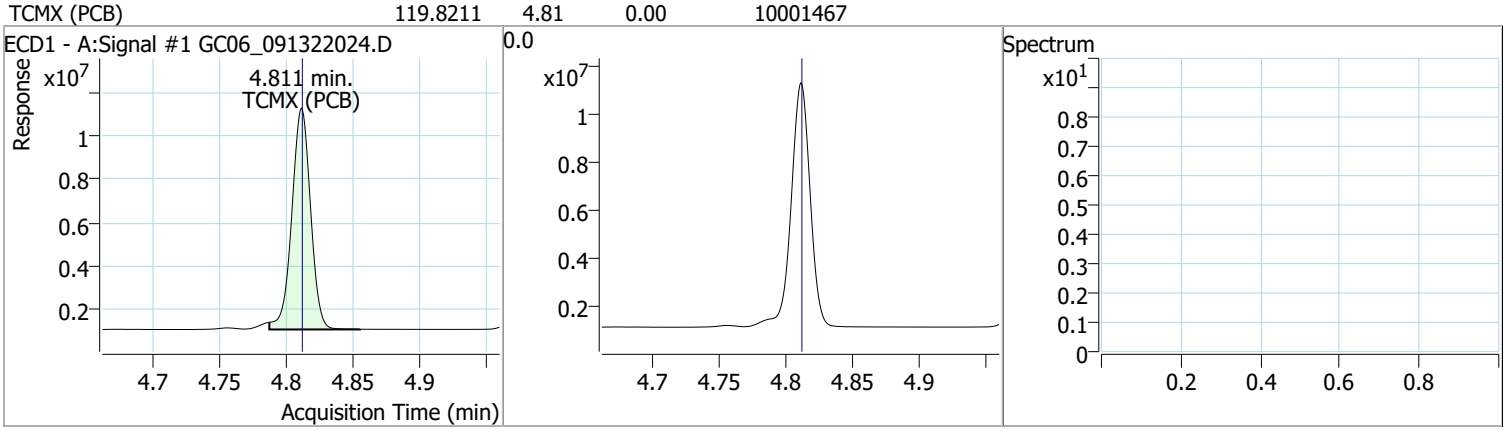
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.146	0.0	2287596.895	1331.6522	ng/ml		100
T AR1016 1 #2	5.186	0.0	10787169.423	1303.1592	ng/ml		100
T AR1016 2	5.469	0.0	4790619.636	1304.6783	ng/ml		100
T AR1016 2 #2	5.552	0.0	22779378.556	1319.4524	ng/ml		100
T AR1016 3	5.913	0.0	5954483.601	1375.6747	ng/ml		100
T AR1016 3 #2	5.995	0.0	32105527.904	1429.3377	ng/ml	m	100
T AR1016 4	6.044	0.0	4388598.095	1347.0552	ng/ml		100
T AR1016 4 #2	6.132	0.0	20606859.288	1388.4811	ng/ml		100
T AR1016 5	6.467	0.0	3522899.067	1352.1439	ng/ml		100
T AR1016 5 #2	6.657	0.0	17200758.370	1372.6745	ng/ml		100
T AR1260 1	8.198	0.0	6763519.527	1312.0460	ng/ml		100
T AR1260 2	8.748	0.0	10601305.659	1303.3591	ng/ml		100
T AR1260 1 #2	8.801	0.0	38537329.387	1350.9612	ng/ml		100
T AR1260 2 #2	9.304	0.0	42100893.772	1314.6810	ng/ml		100
T AR1260 3	9.368	0.0	11728713.732	1377.2180	ng/ml		100
T AR1260 3 #2	9.983	0.0	57383496.473	1392.9493	ng/ml		100
T AR1260 4	10.016	0.0	6581156.231	1369.8344	ng/ml		100
T AR1260 4 #2	10.552	0.0	37956405.217	1392.1393	ng/ml		100
T AR1260 5	10.853	0.0	8403295.539	1412.6994	ng/ml		100
T AR1260 5 #2	11.289	0.0	56137594.244	1380.1452	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

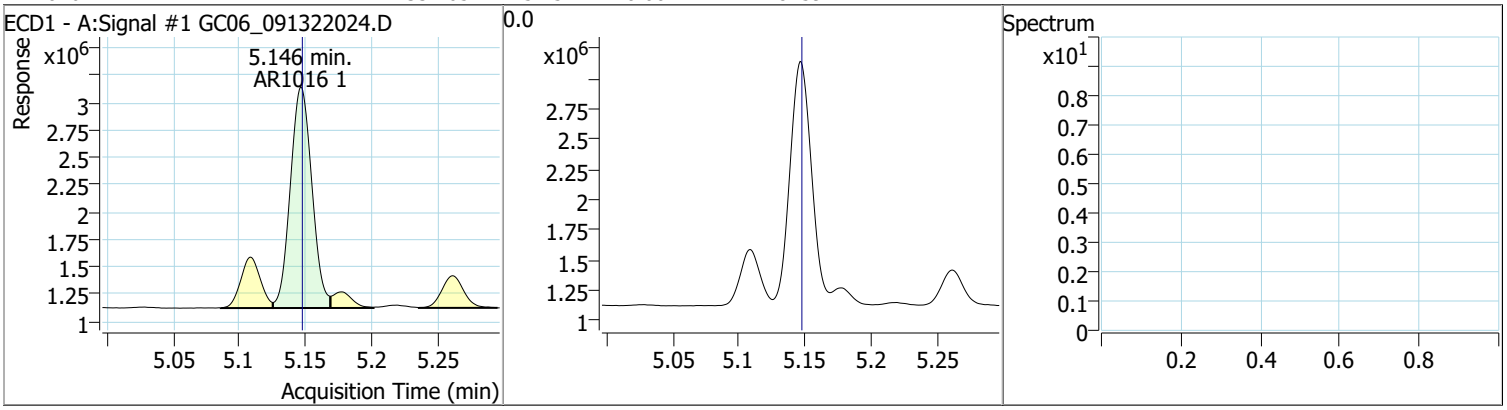
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	121.5960	4.75	0.00	49017638				



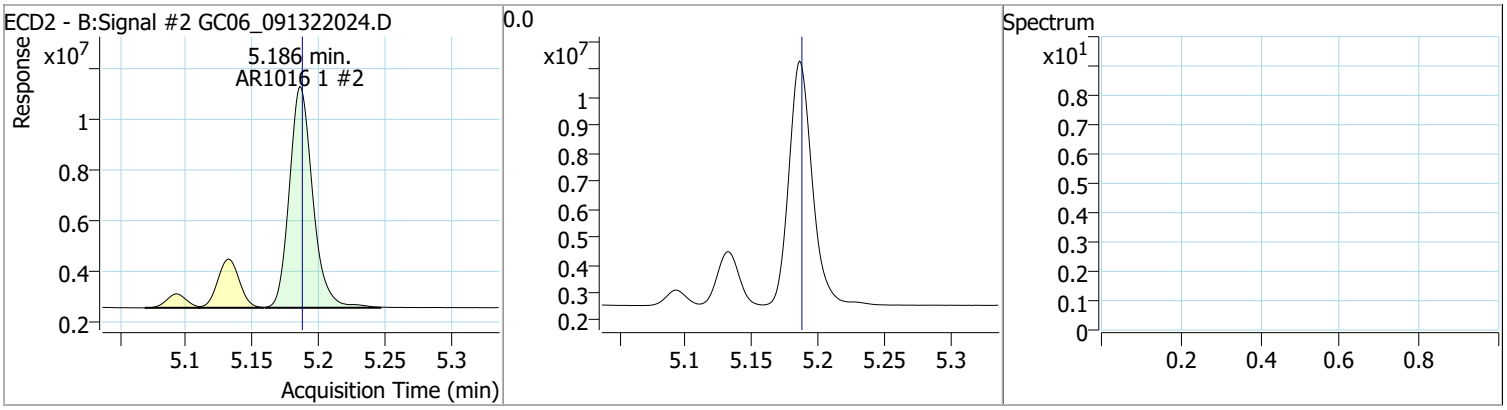
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	119.8211	4.81	0.00	10001467				



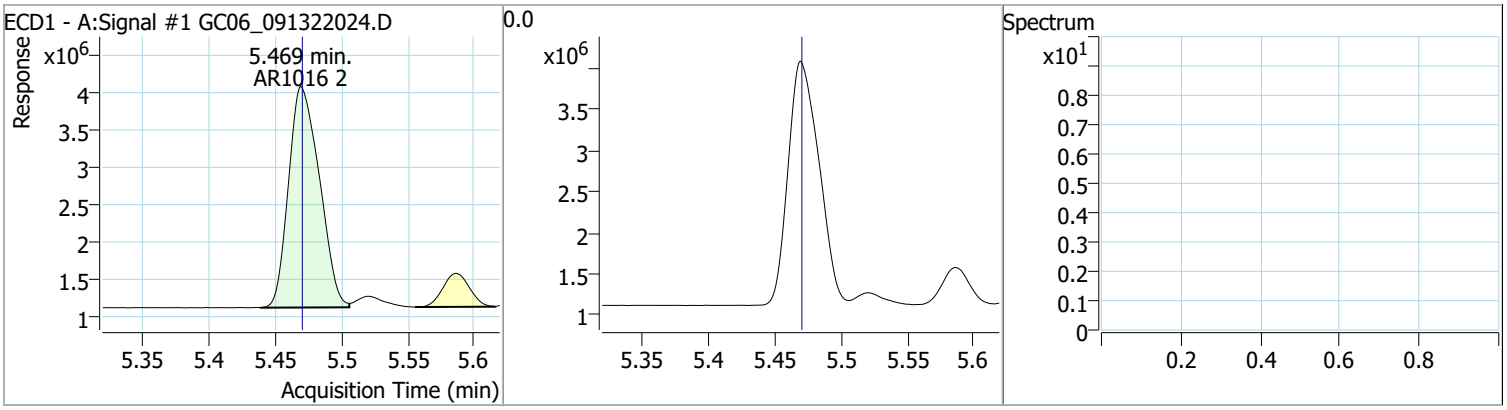
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1331.6522	5.15	0.00	2287597				



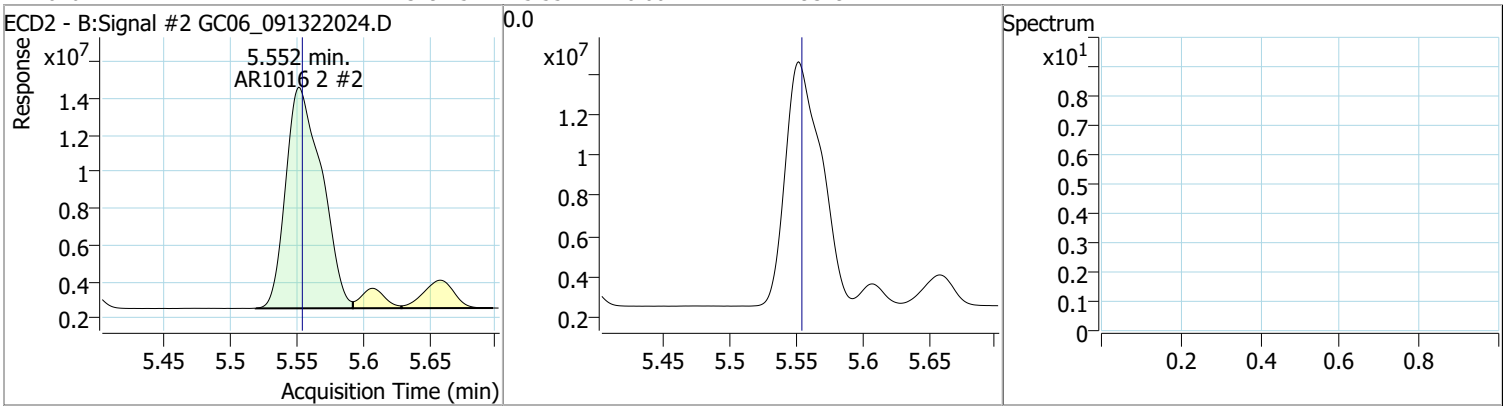
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1303.1592	5.19	0.00	10787169				



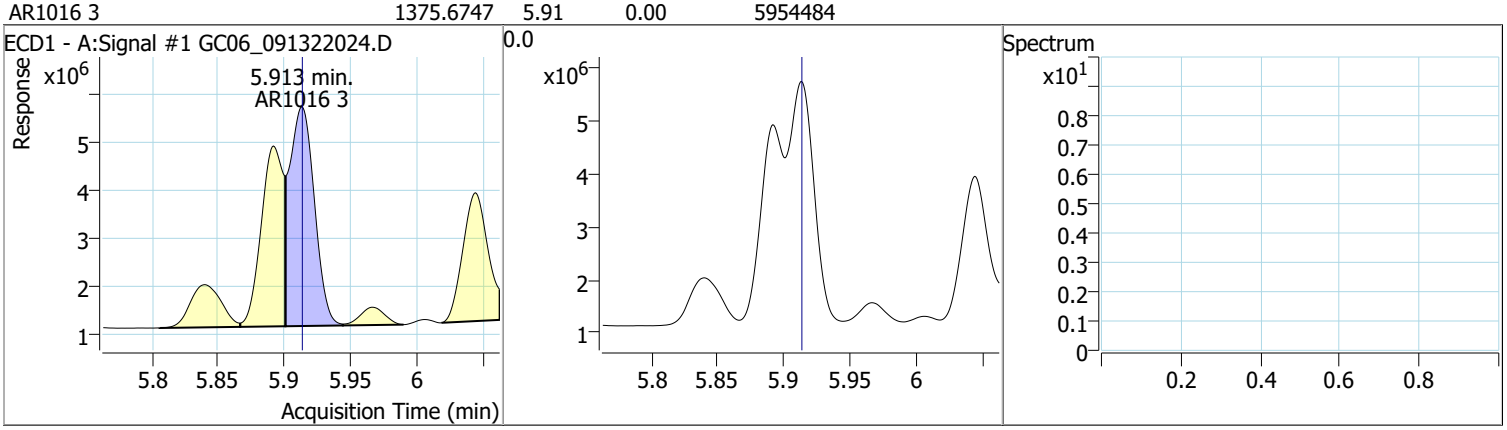
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1304.6783	5.47	0.00	4790620				



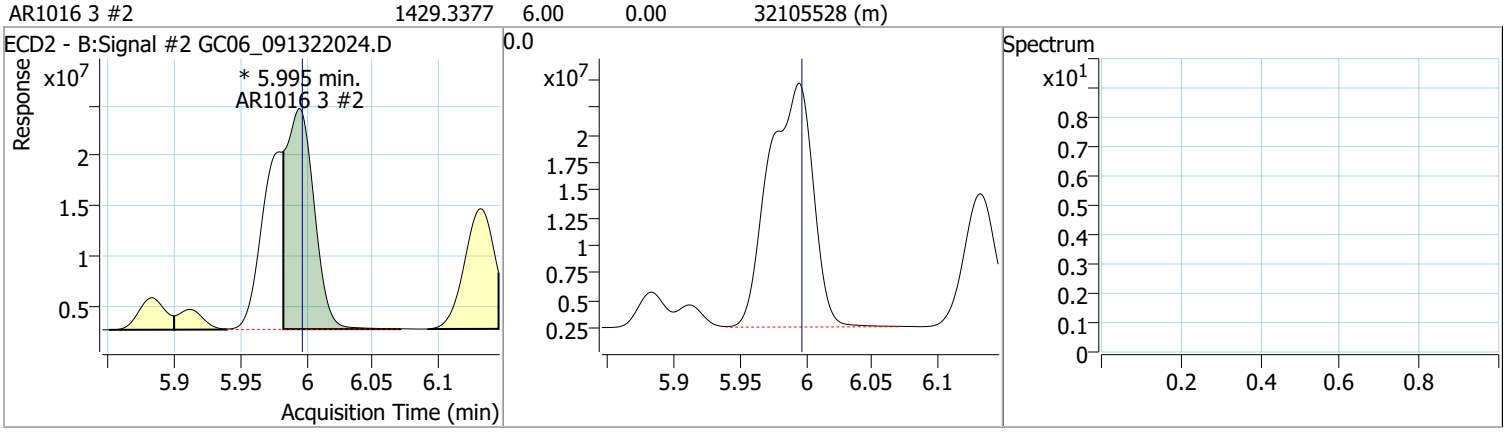
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1319.4524	5.55	0.00	22779379				



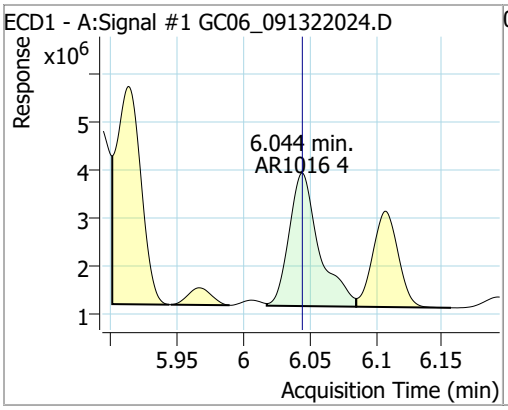
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1375.6747	5.91	0.00	5954484				

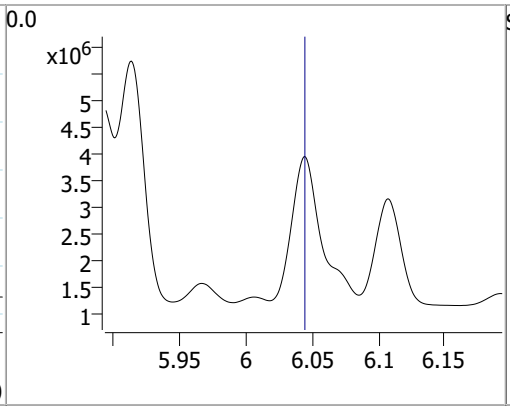


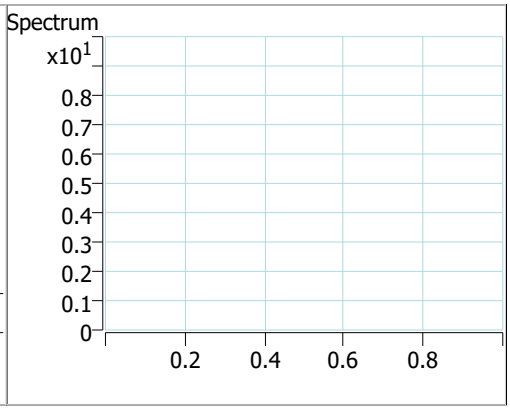
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1429.3377	6.00	0.00	32105528 (m)				



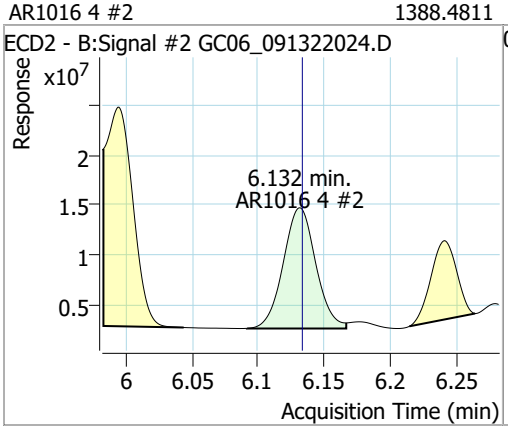
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1347.0552	6.04	0.00	4388598				

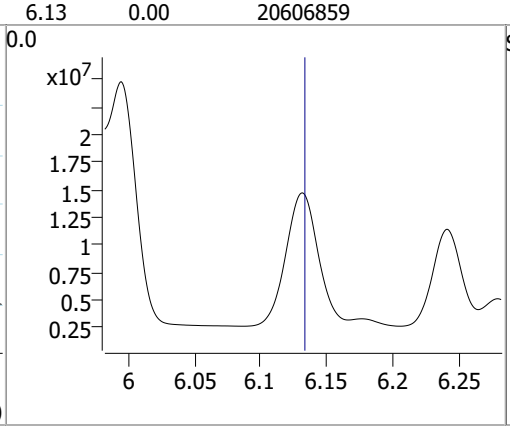


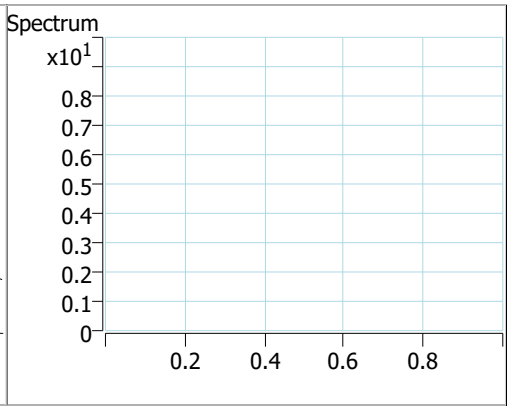




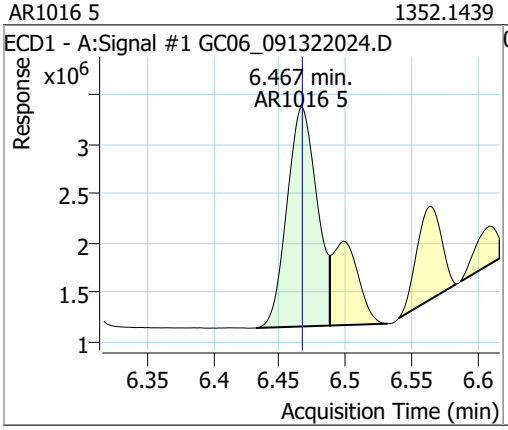
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1388.4811	6.13	0.00	20606859				

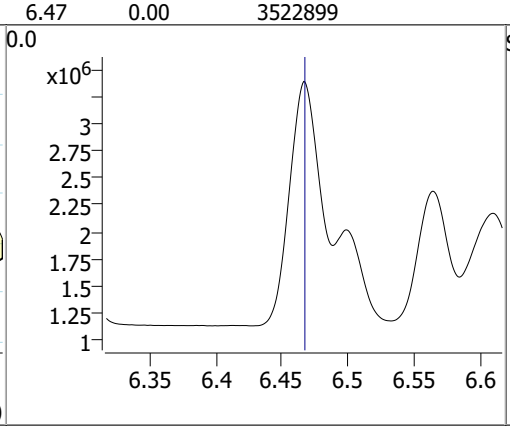


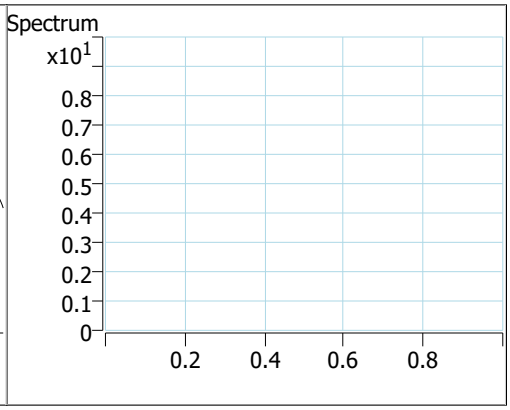




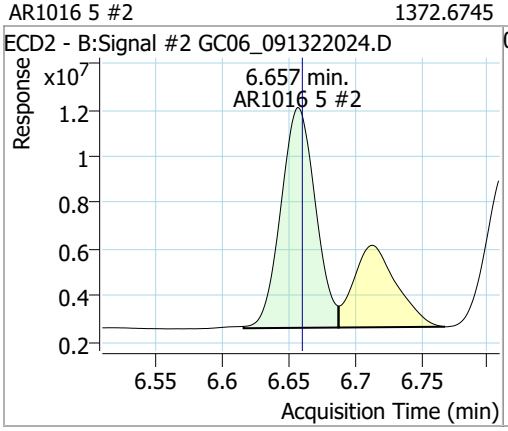
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1352.1439	6.47	0.00	3522899				

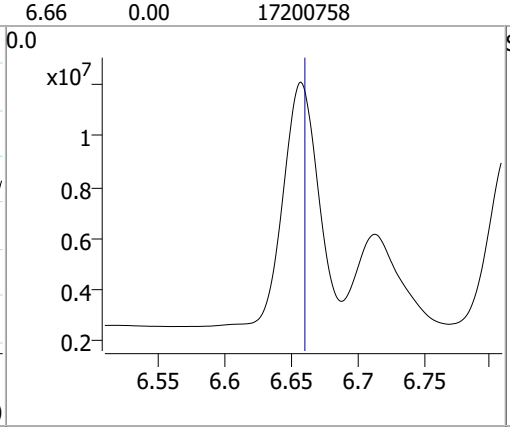


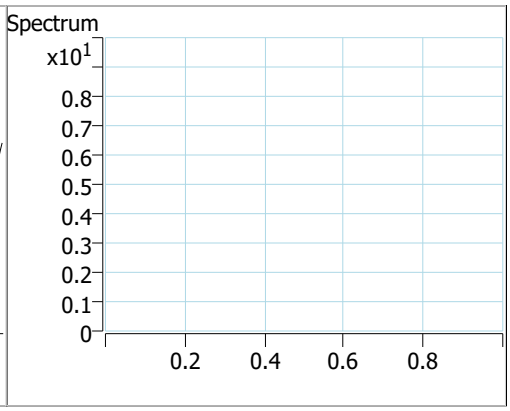




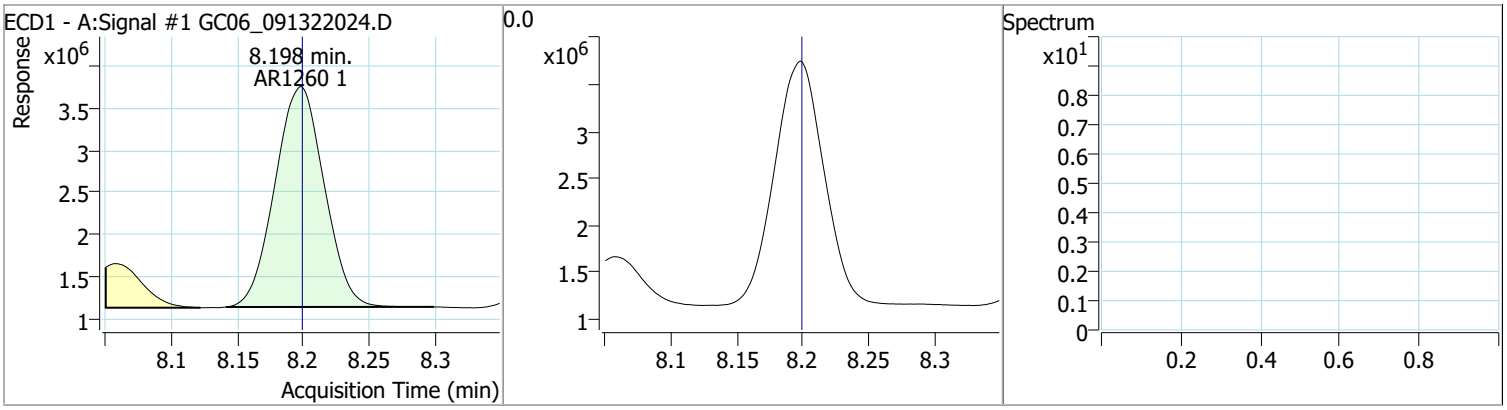
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1372.6745	6.66	0.00	17200758				



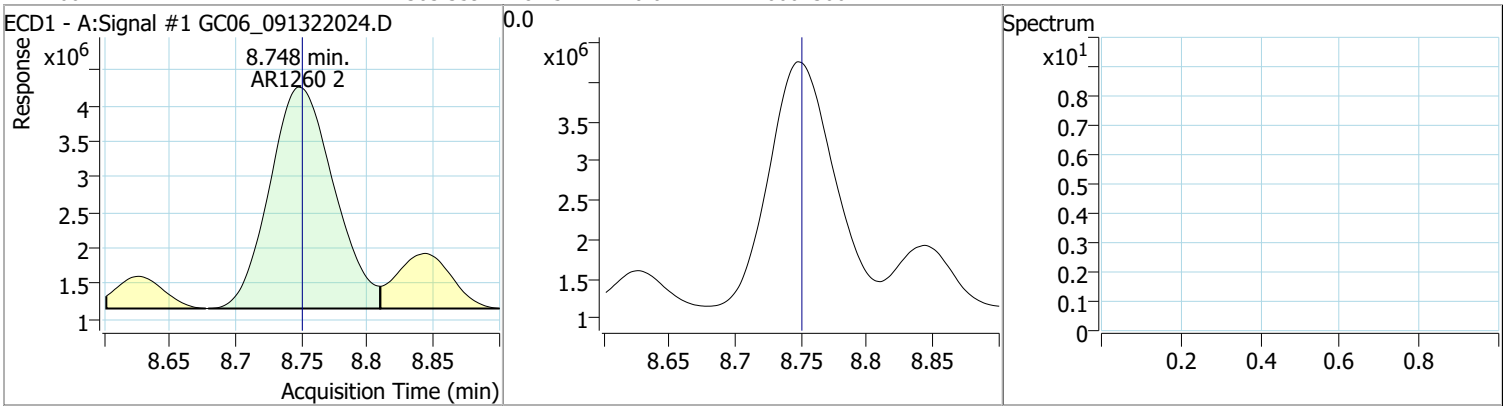




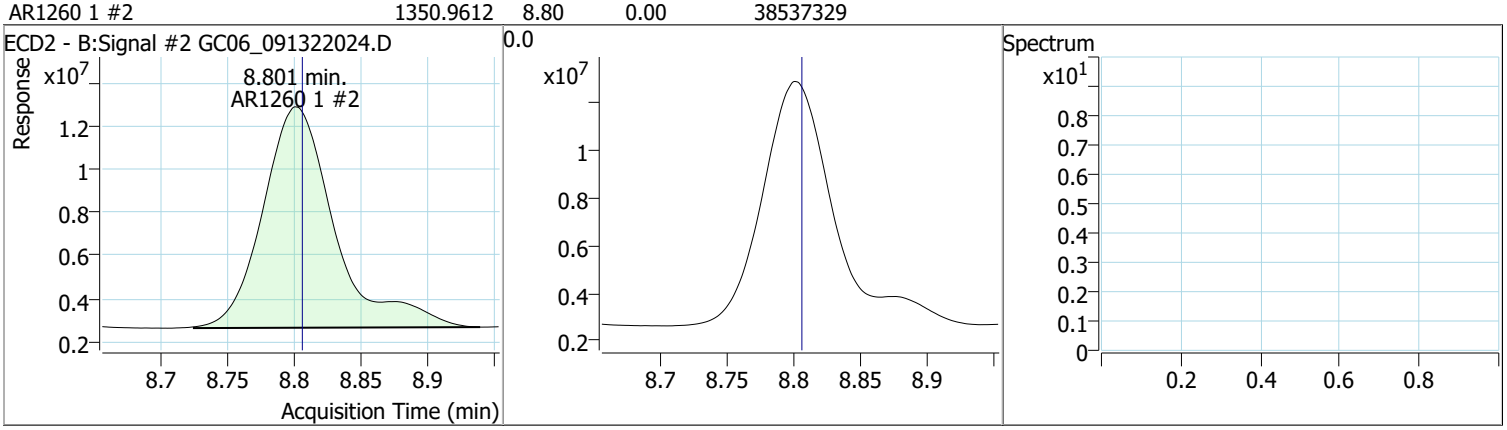
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1312.0460	8.20	0.00	6763520				



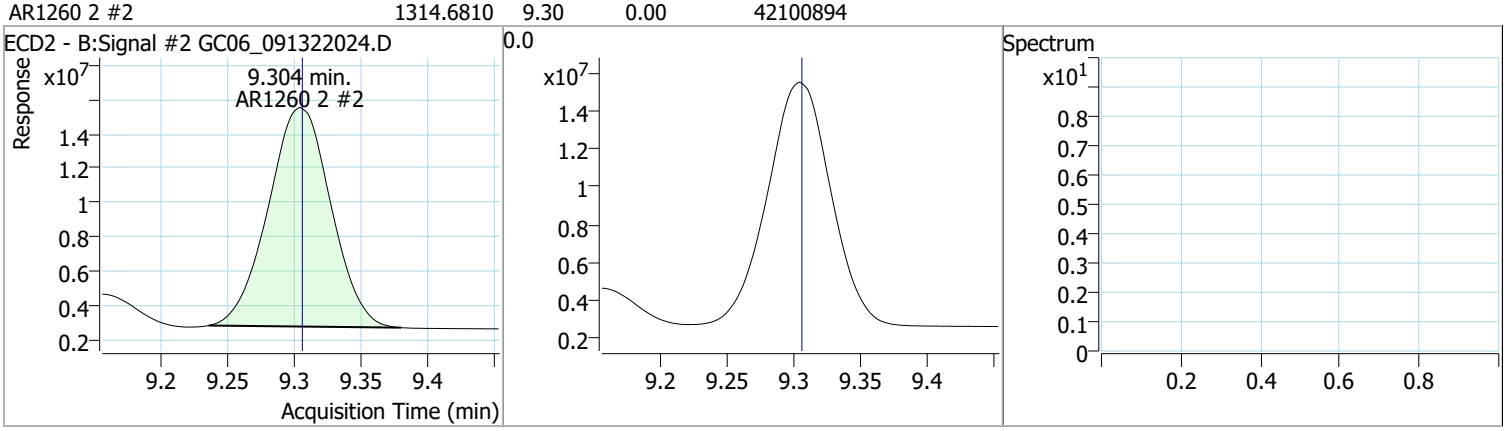
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1303.3591	8.75	-0.01	10601306				



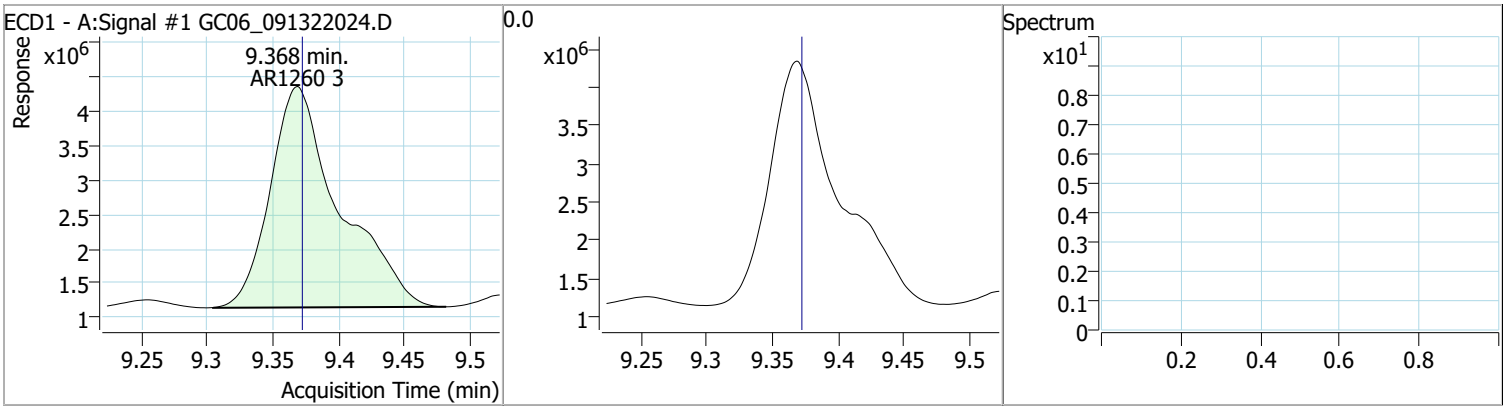
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1350.9612	8.80	0.00	38537329				



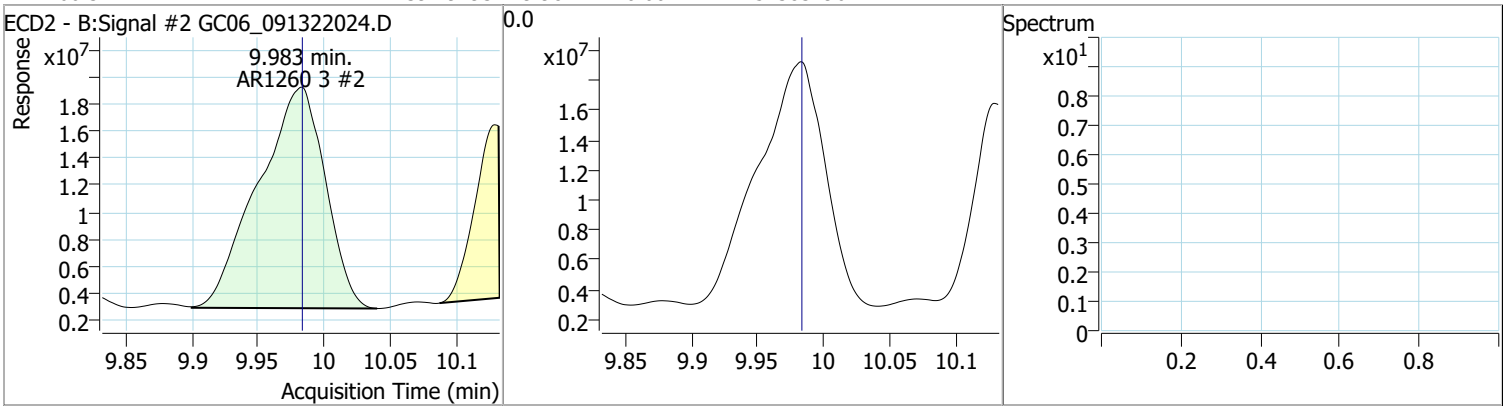
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1314.6810	9.30	0.00	42100894				



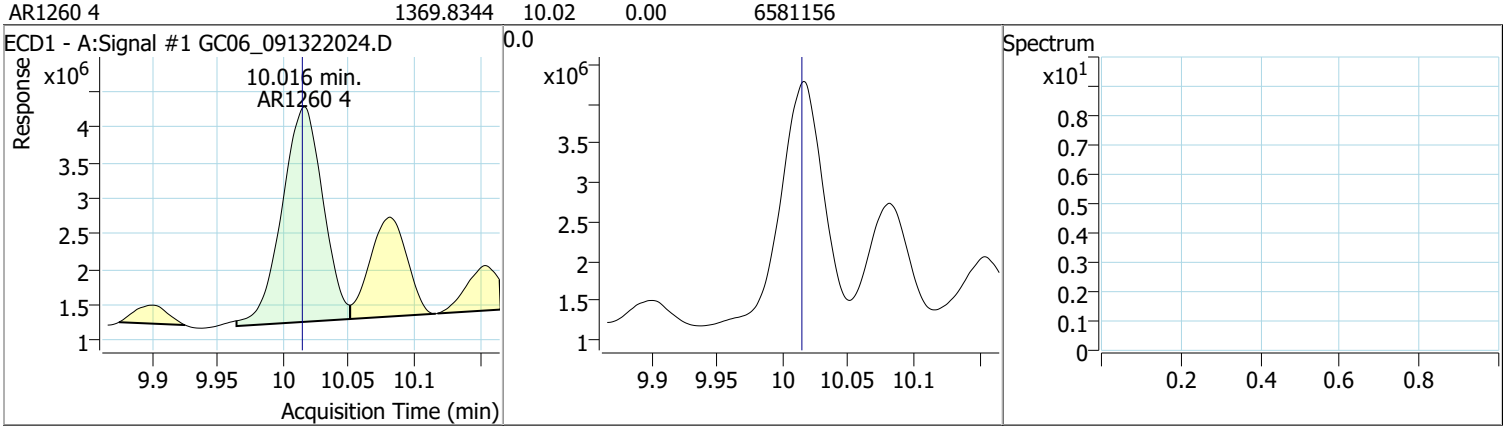
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1377.2180	9.37	-0.01	11728714				



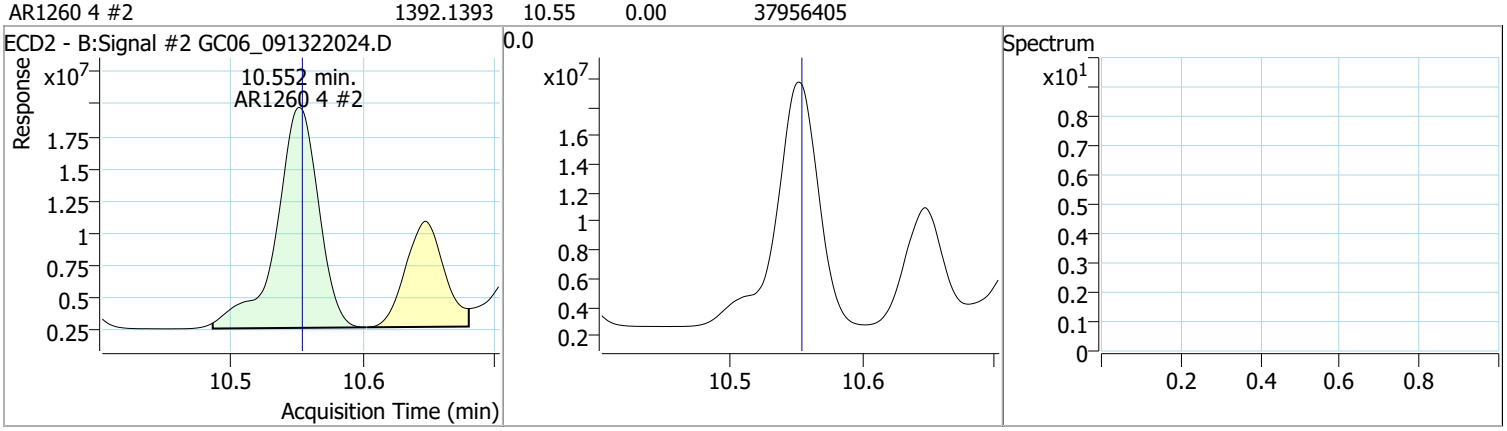
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1392.9493	9.98	0.00	57383496				



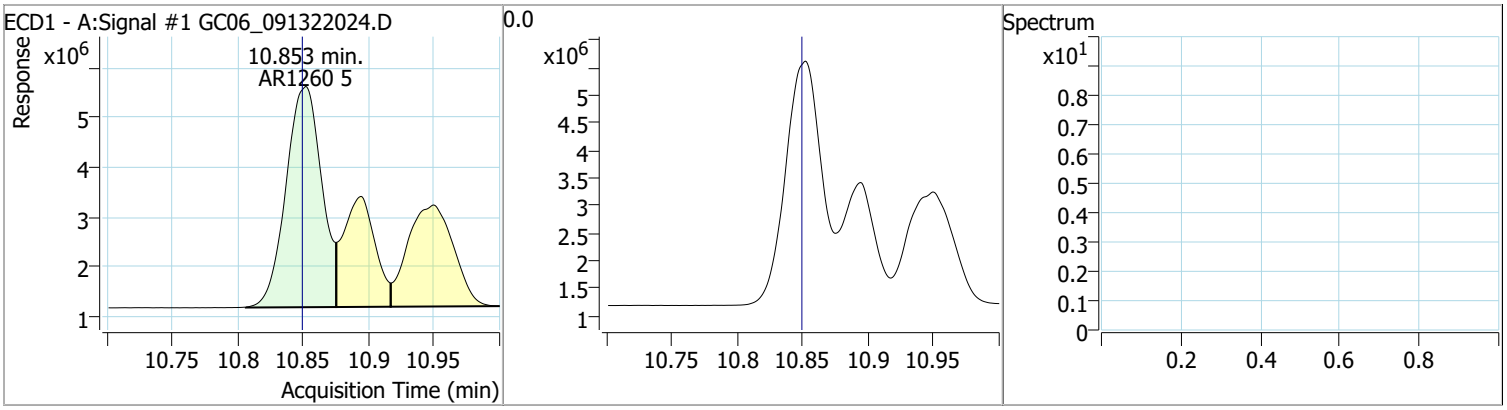
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1369.8344	10.02	0.00	6581156				



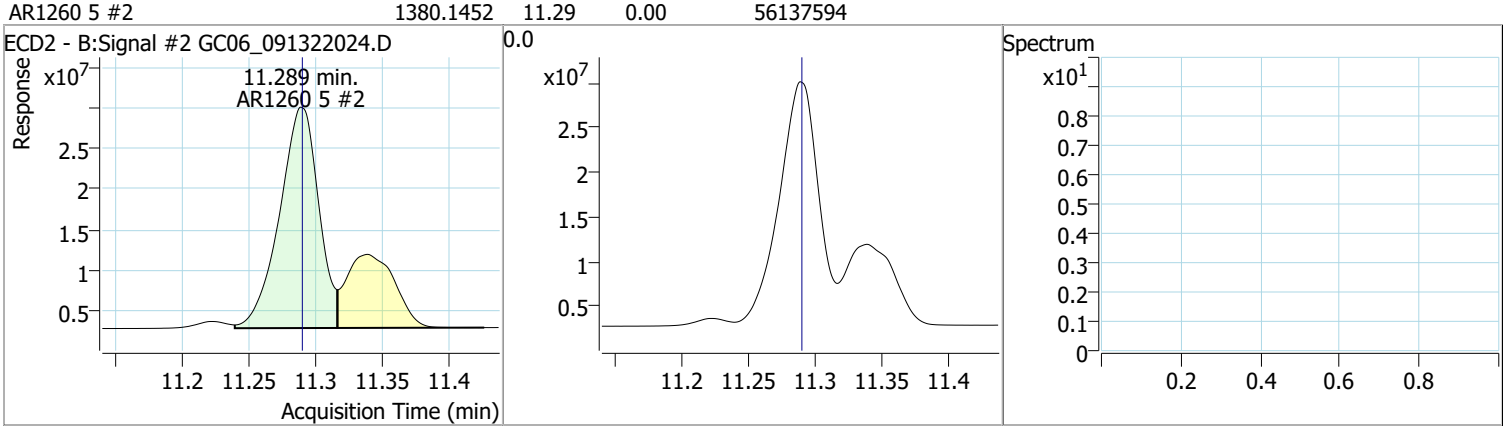
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1392.1393	10.55	0.00	37956405				



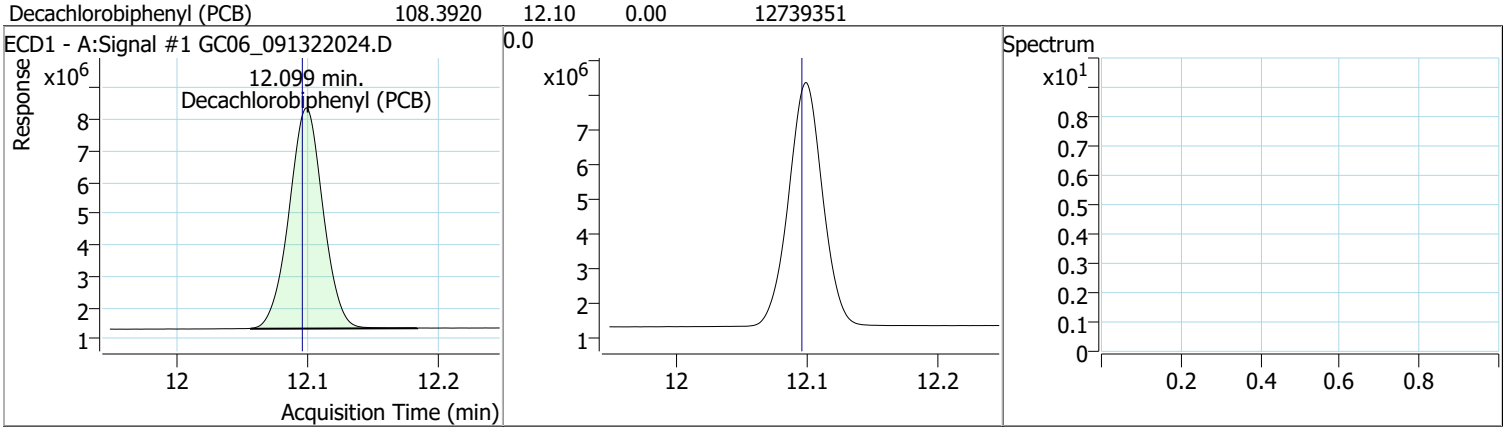
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1412.6994	10.85	0.00	8403296				



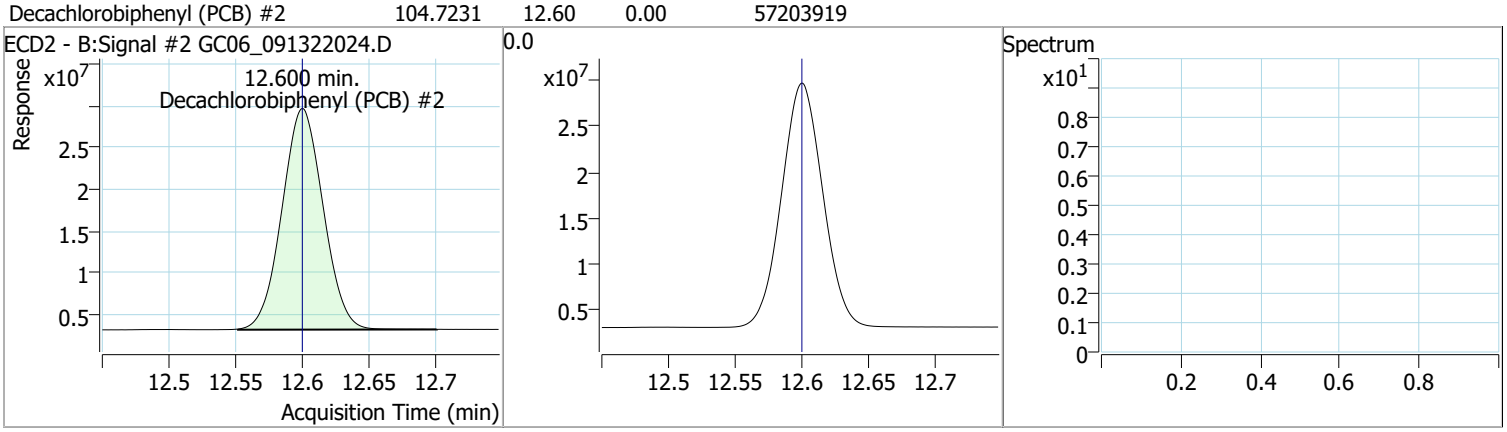
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1380.1452	11.29	0.00	56137594				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	108.3920	12.10	0.00	12739351				

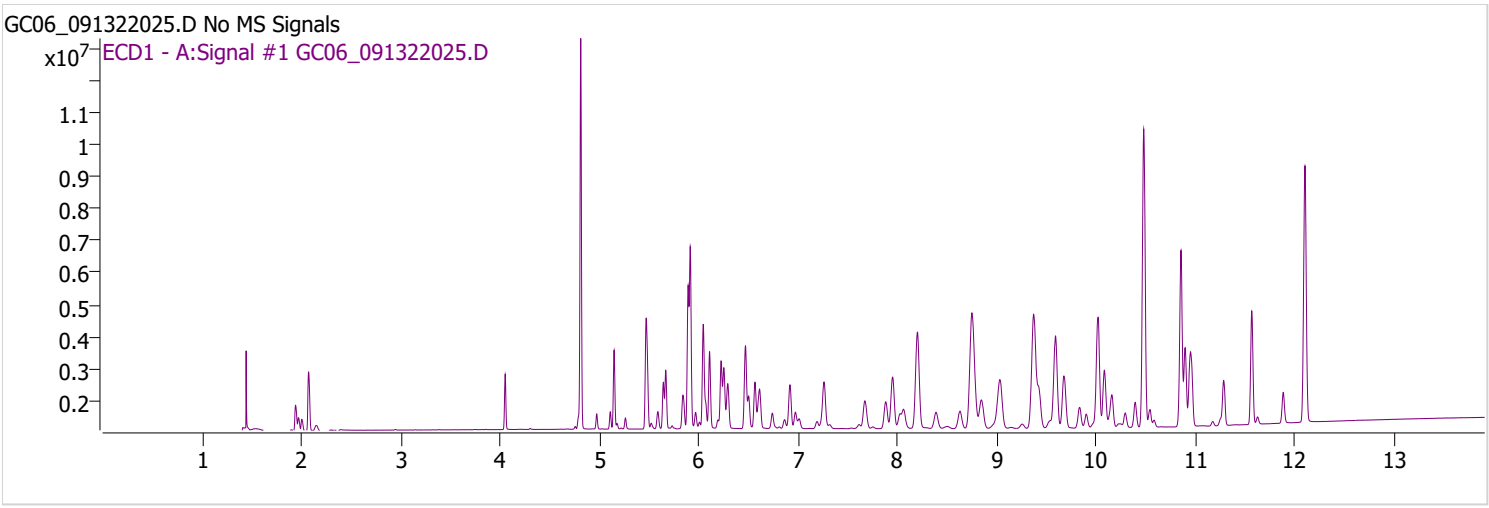


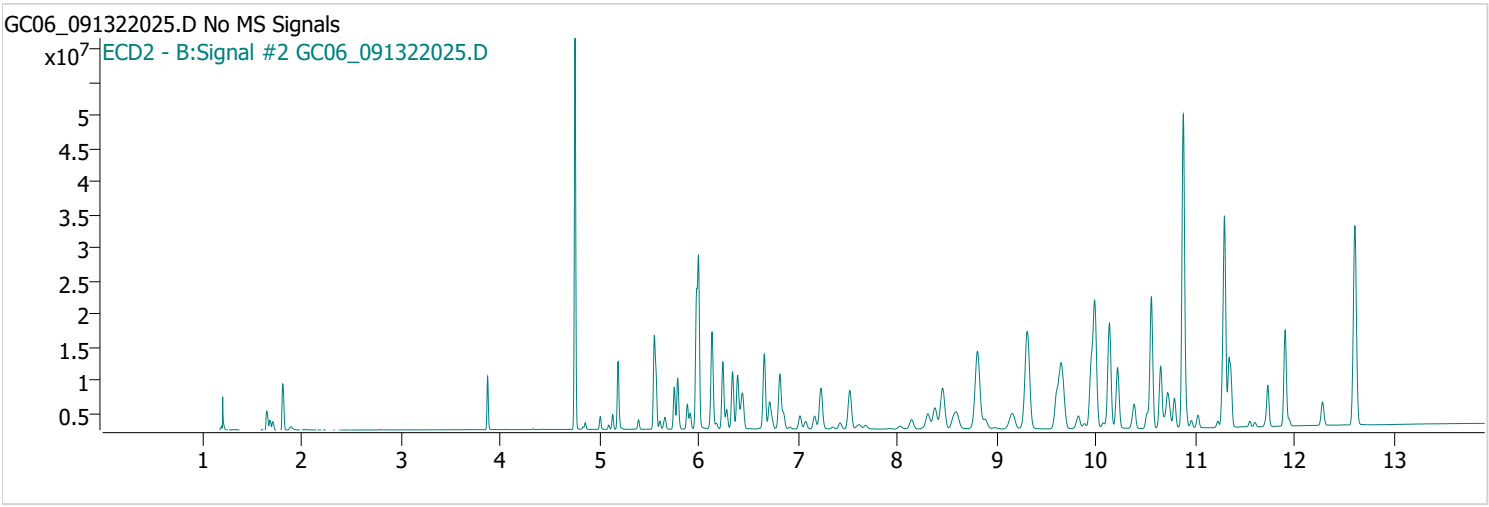
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	104.7231	12.60	0.00	57203919				



Quantitation Results Report (Not Reviewed)

Data File	GC06_091322025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 2:58:36 AM
Sample Name	ICAL, S16585, 1	Instrument	SVOA-GC06
Vial	49	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



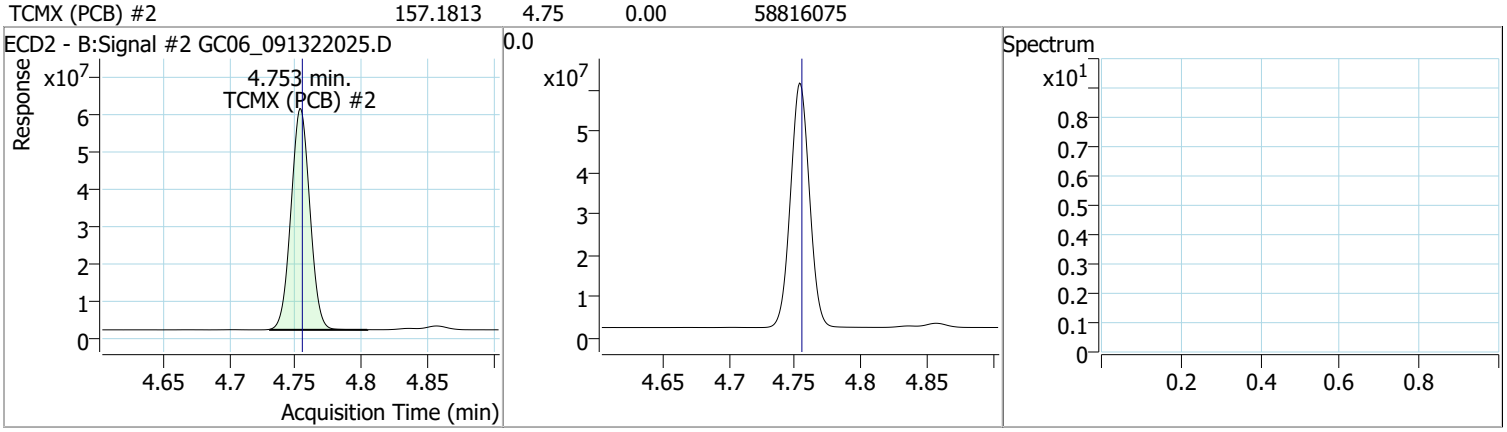


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	7643853.170	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.051	0.0	1631599.843	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	4.753	0.0	58816074.834	157.1813	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 785.91%		*	
S TCMX (PCB)	4.811	0.0	12189386.739	156.8428	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 784.21%		*	
S Decachlorobiphenyl (PCB)	12.098	0.0	14798821.498	135.2353	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 676.18%		*	
S Decachlorobiphenyl (PCB) #2	12.600	0.0	66361043.197	130.8785	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 654.39%		*	
Target Compounds							QValue

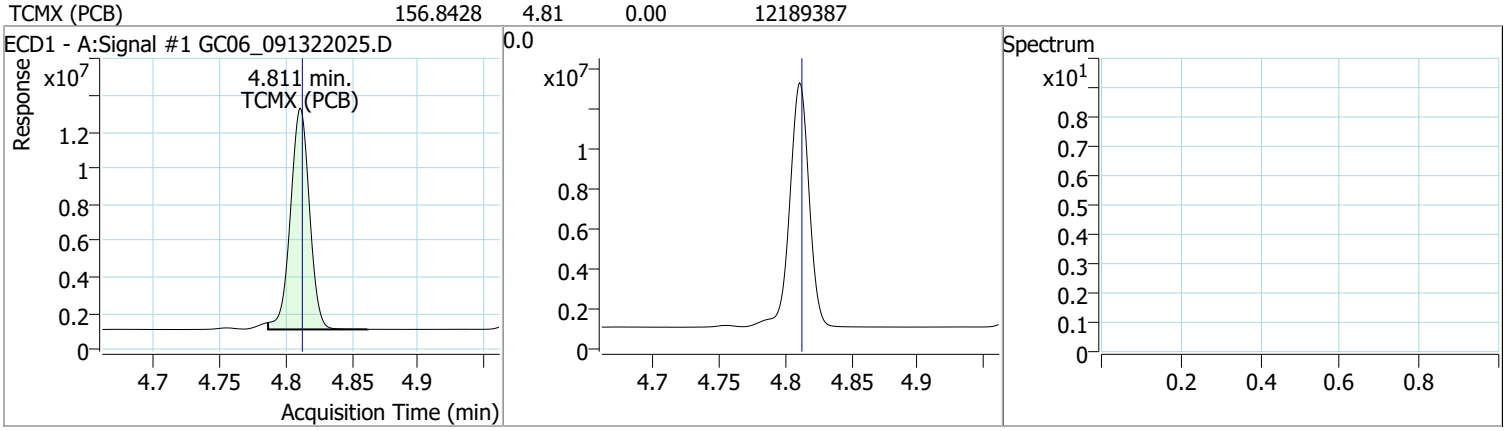
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.147	0.0	2692022.764	1683.0732	ng/ml		100
T AR1016 1 #2	5.187	0.0	12699753.441	1652.8118	ng/ml		100
T AR1016 2	5.470	0.0	5605268.284	1639.5367	ng/ml		100
T AR1016 2 #2	5.552	0.0	26621201.532	1661.1836	ng/ml		100
T AR1016 3	5.913	0.0	7261469.267	1801.8105	ng/ml		100
T AR1016 3 #2	5.995	0.0	35818884.089	1717.9290	ng/ml	m	100
T AR1016 4	6.044	0.0	5146522.602	1696.6273	ng/ml		100
T AR1016 4 #2	6.132	0.0	24174334.700	1754.7725	ng/ml		100
T AR1016 5	6.468	0.0	4122969.308	1699.5963	ng/ml		100
T AR1016 5 #2	6.658	0.0	20069750.443	1725.4409	ng/ml		100
T AR1260 1	8.199	0.0	7843097.071	1634.0934	ng/ml		100
T AR1260 2	8.747	0.0	12122817.595	1600.7417	ng/ml		100
T AR1260 1 #2	8.803	0.0	44254960.813	1671.3267	ng/ml		100
T AR1260 2 #2	9.303	0.0	49038942.956	1649.7127	ng/ml		100
T AR1260 3	9.368	0.0	13549621.875	1708.8048	ng/ml		100
T AR1260 3 #2	9.982	0.0	66348502.585	1735.0723	ng/ml		100
T AR1260 4	10.017	0.0	7505623.911	1677.8984	ng/ml		100
T AR1260 4 #2	10.553	0.0	43492567.580	1718.5051	ng/ml		100
T AR1260 5	10.851	0.0	9666637.450	1745.3741	ng/ml		100
T AR1260 5 #2	11.288	0.0	64498444.034	1708.2773	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

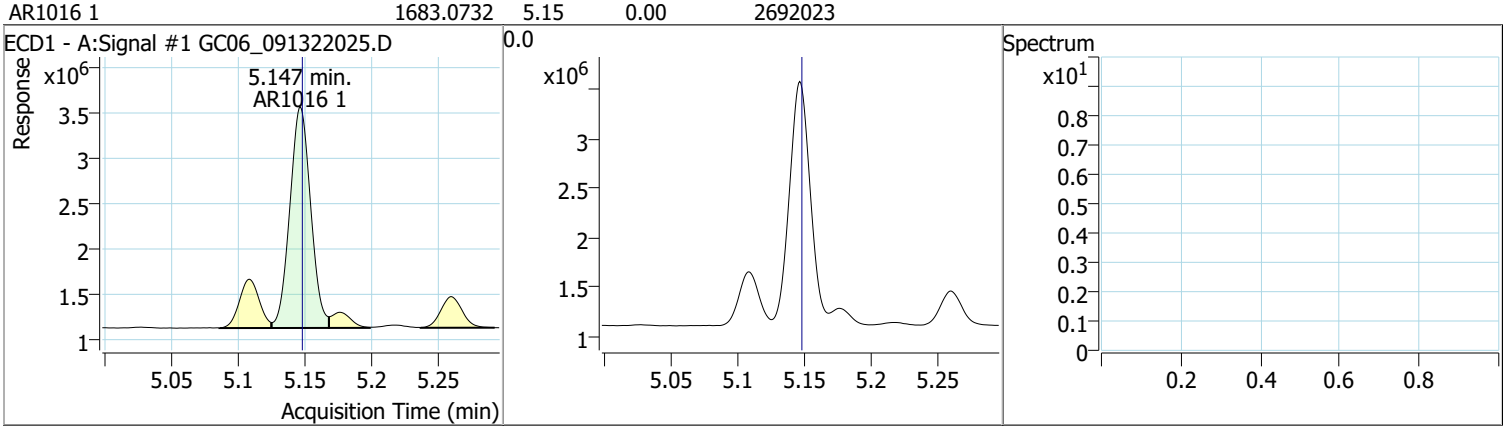
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	157.1813	4.75	0.00	58816075				



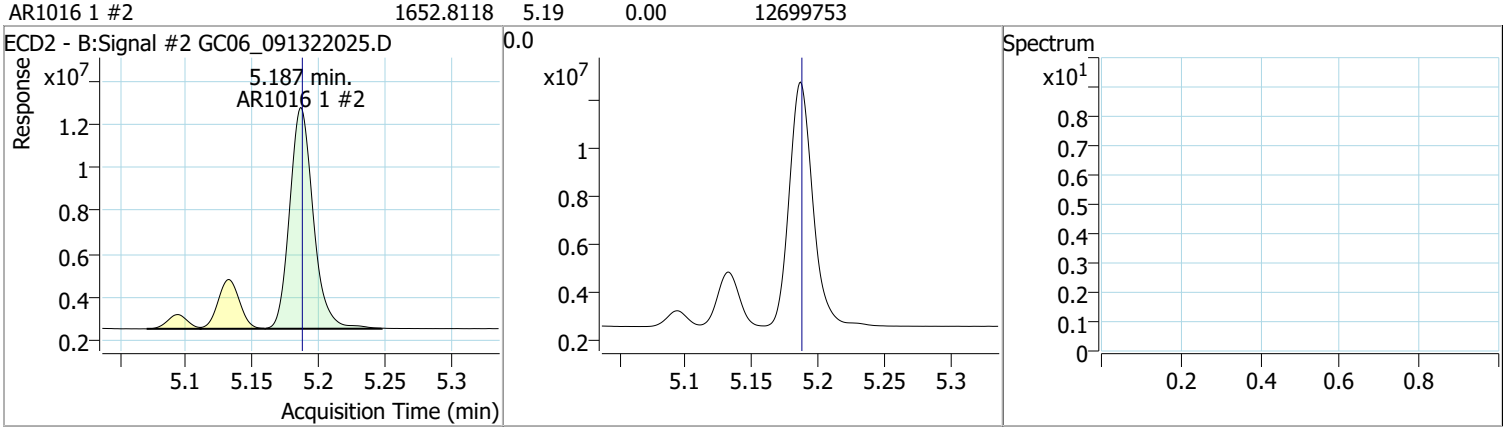
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	156.8428	4.81	0.00	12189387				



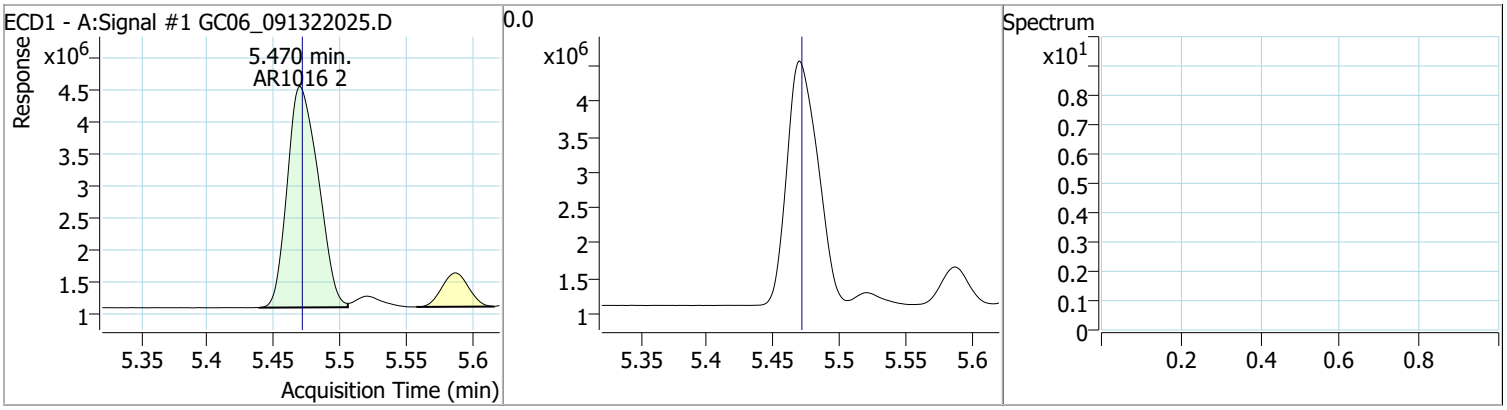
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1683.0732	5.15	0.00	2692023				



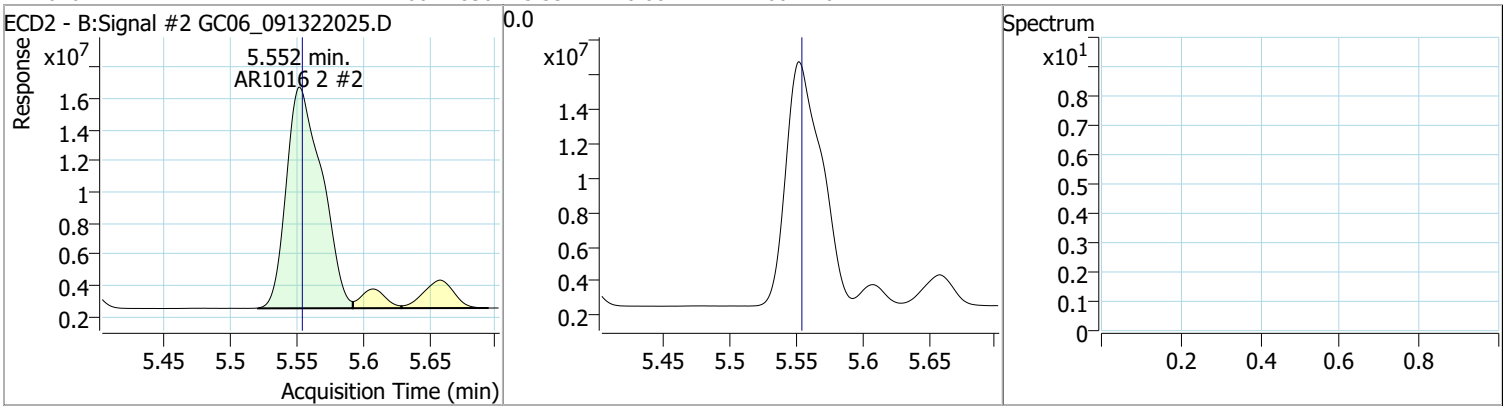
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1652.8118	5.19	0.00	12699753				



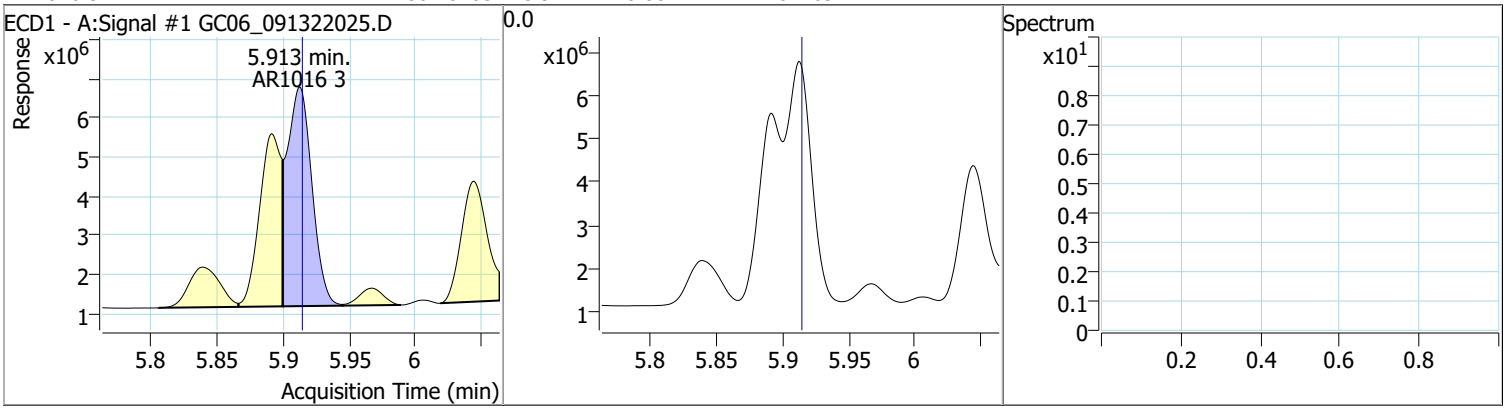
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1639.5367	5.47	0.00	5605268				



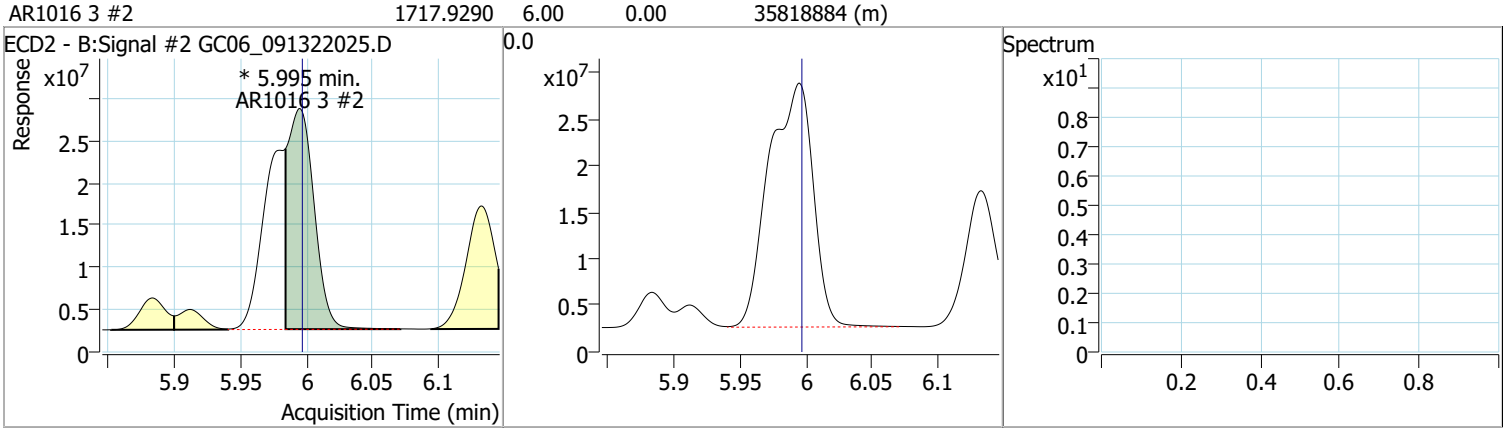
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1661.1836	5.55	0.00	26621202				



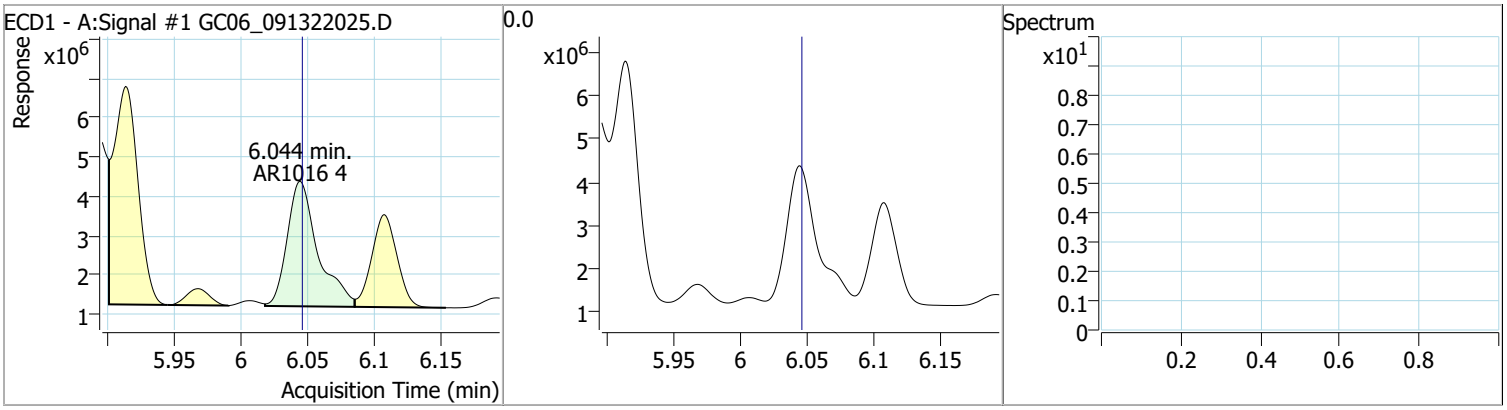
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1801.8105	5.91	0.00	7261469				



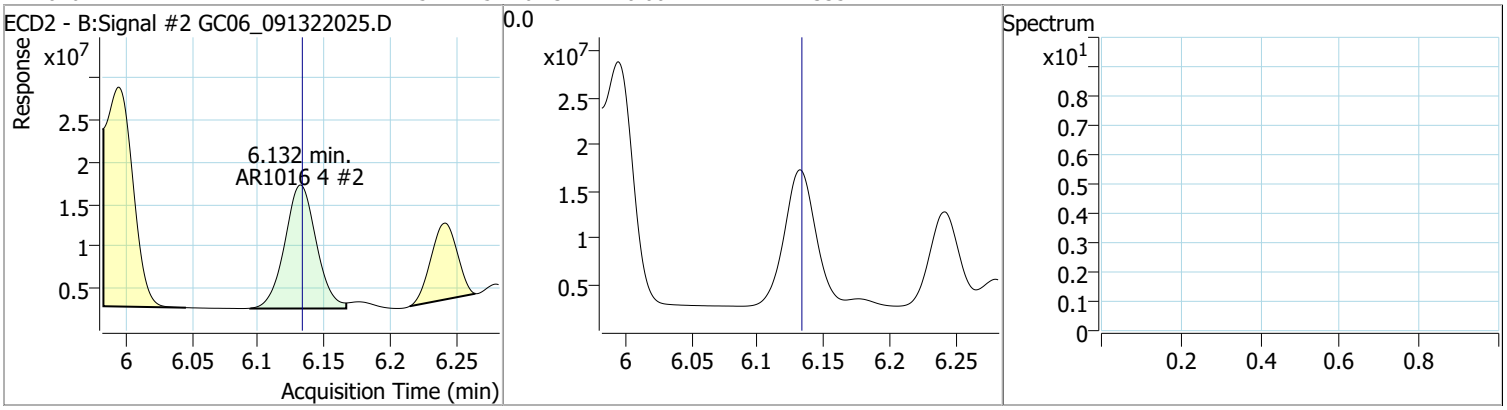
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1717.9290	6.00	0.00	35818884 (m)				



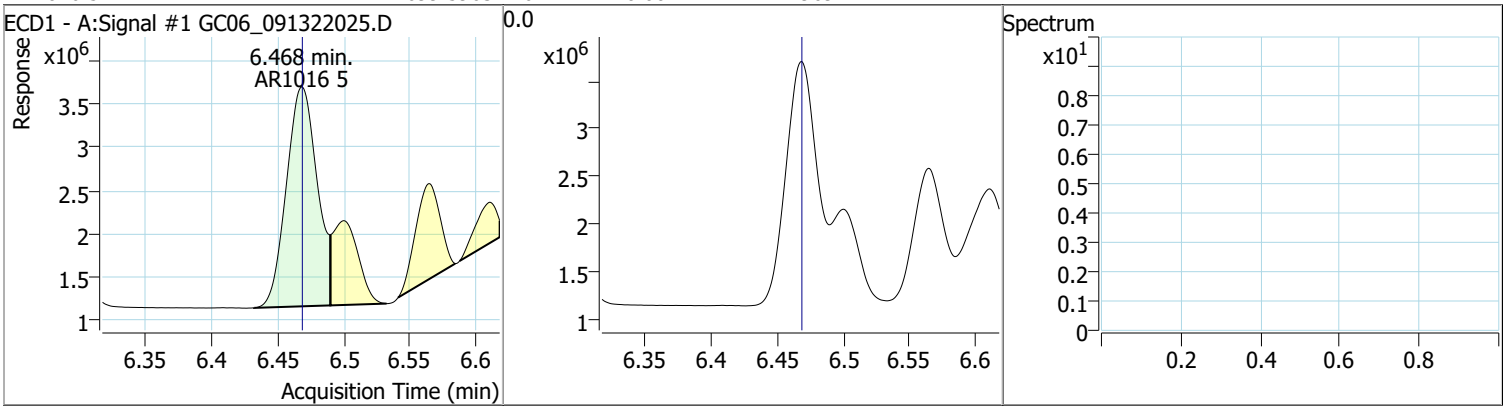
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1696.6273	6.04	0.00	5146523				



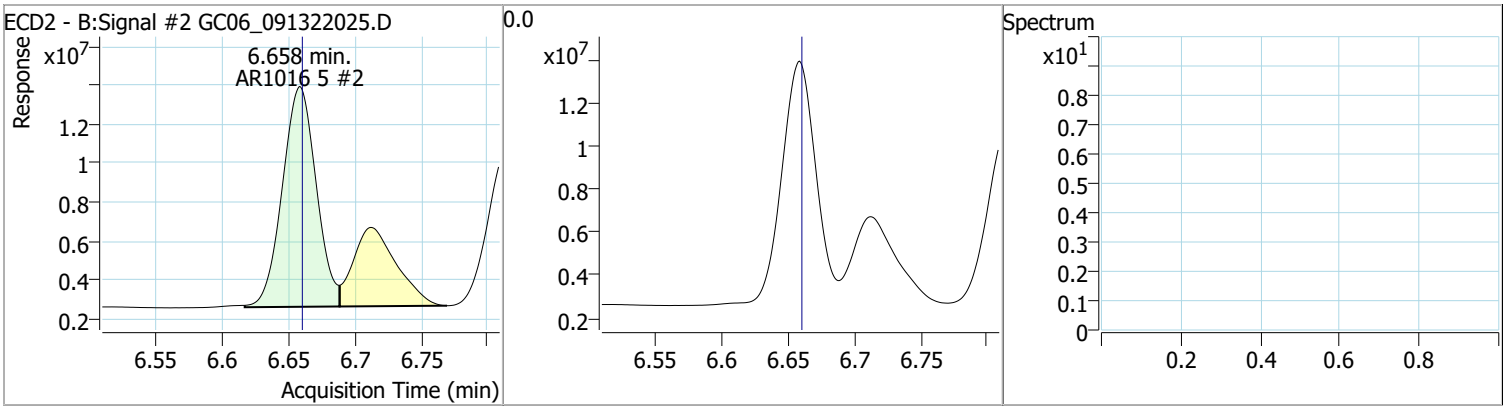
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1754.7725	6.13	0.00	24174335				



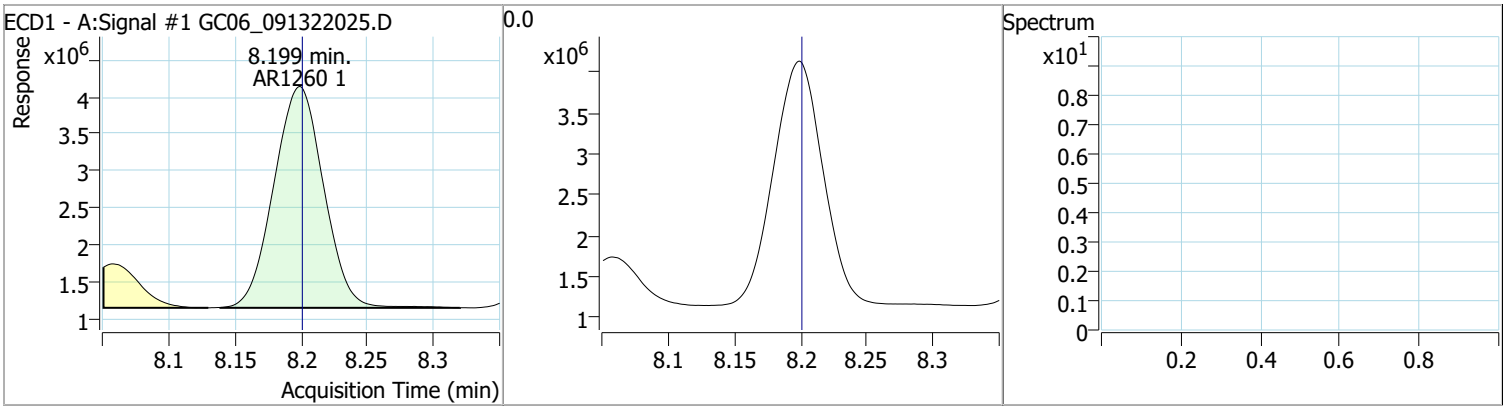
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1699.5963	6.47	0.00	4122969				



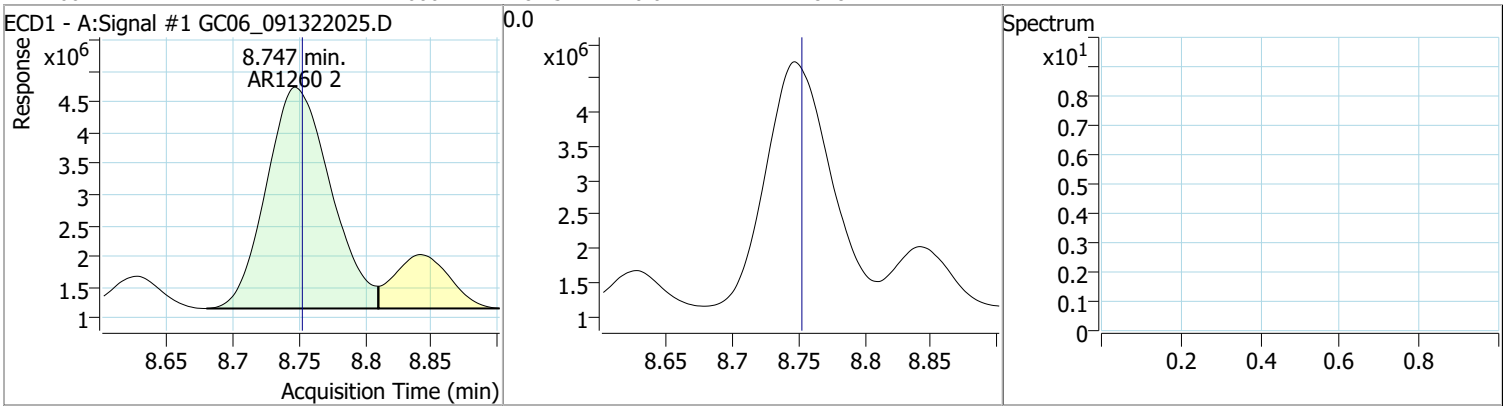
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1725.4409	6.66	0.00	20069750				



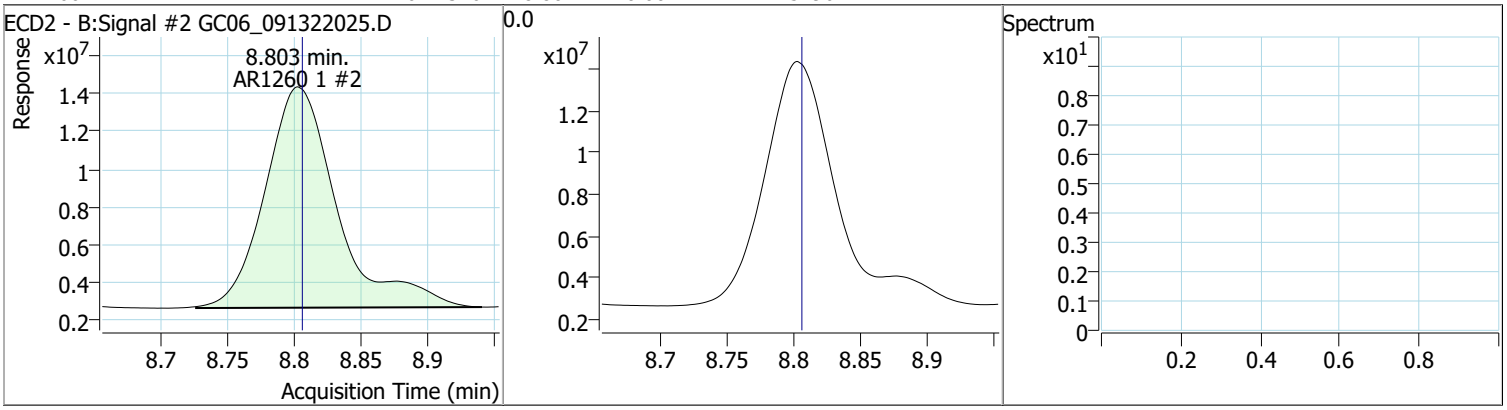
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1634.0934	8.20	0.00	7843097				



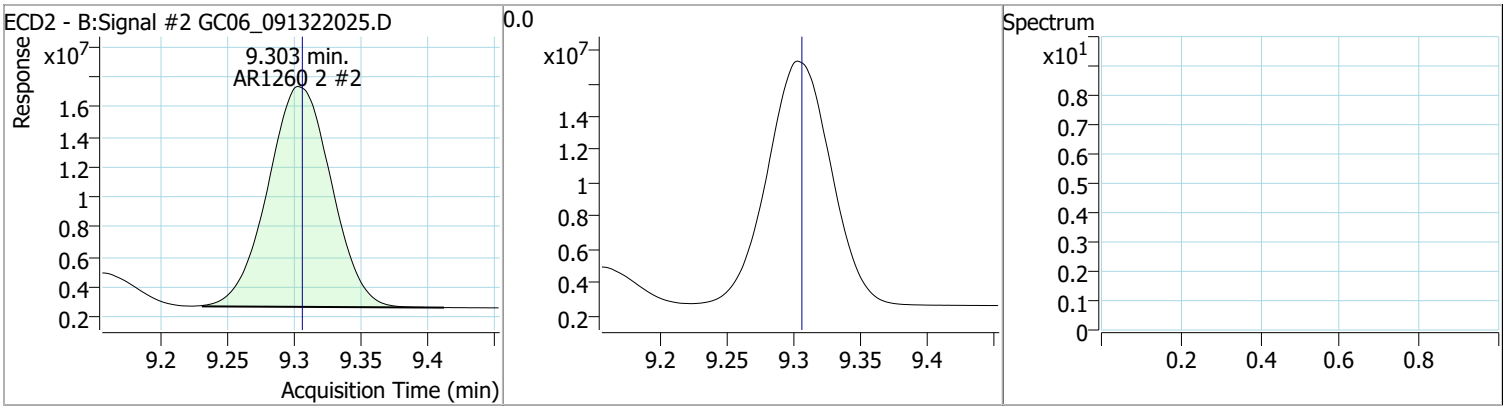
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1600.7417	8.75	-0.01	12122818				



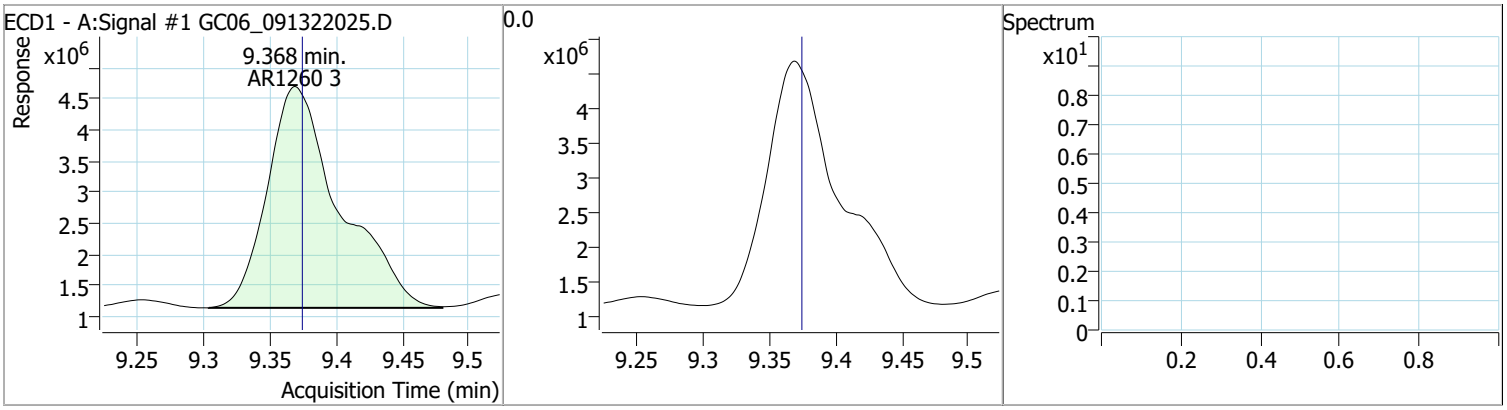
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1671.3267	8.80	0.00	44254961				



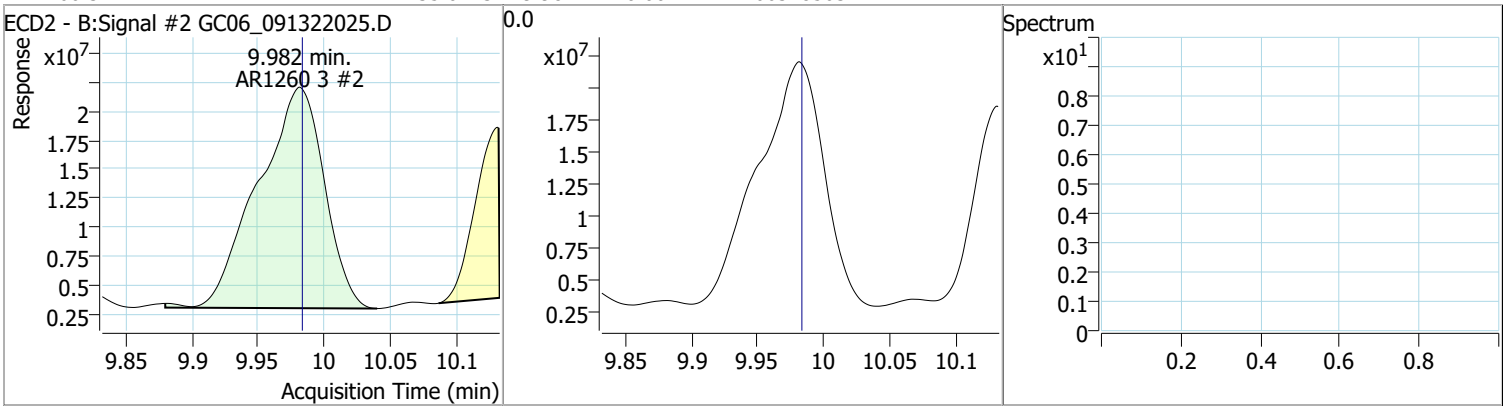
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1649.7127	9.30	0.00	49038943				



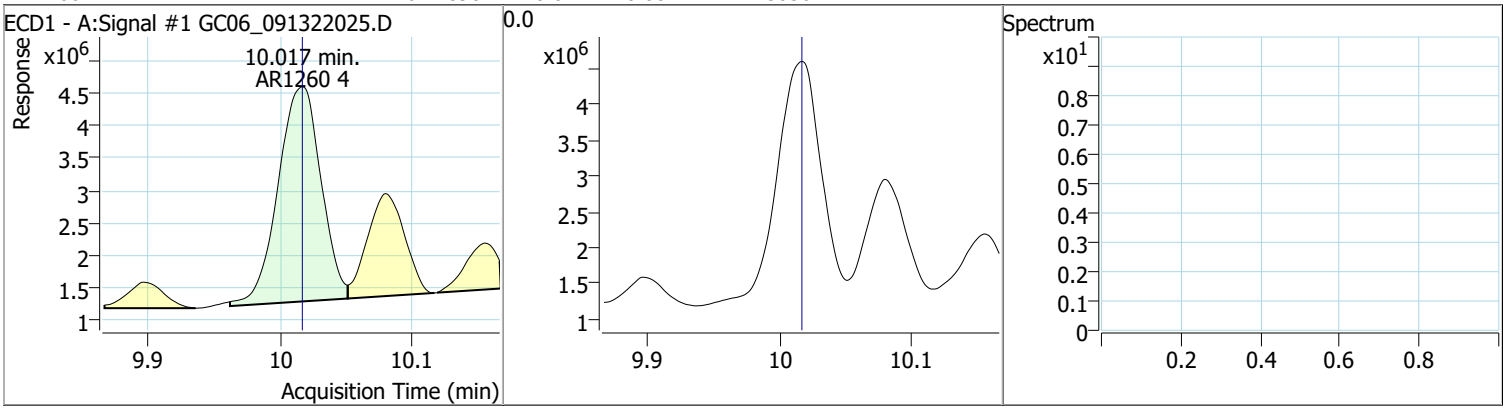
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1708.8048	9.37	-0.01	13549622				



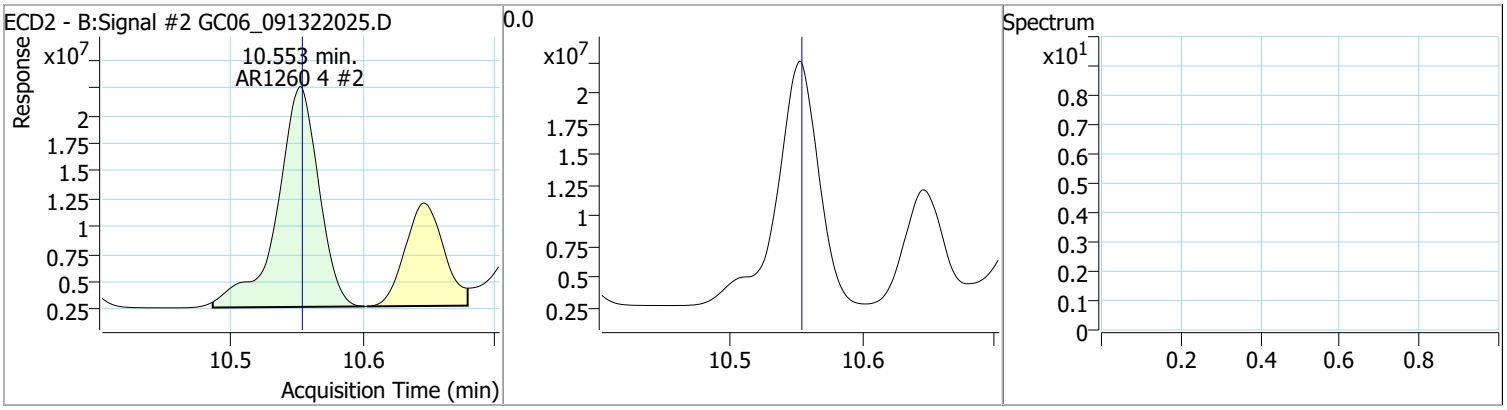
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1735.0723	9.98	0.00	66348503				



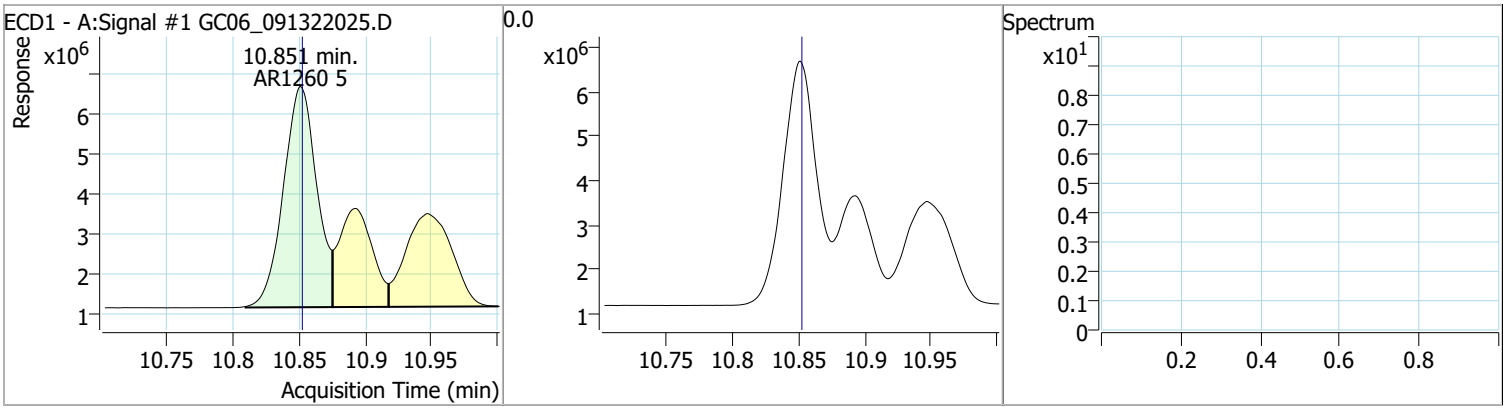
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1677.8984	10.02	0.00	7505624				



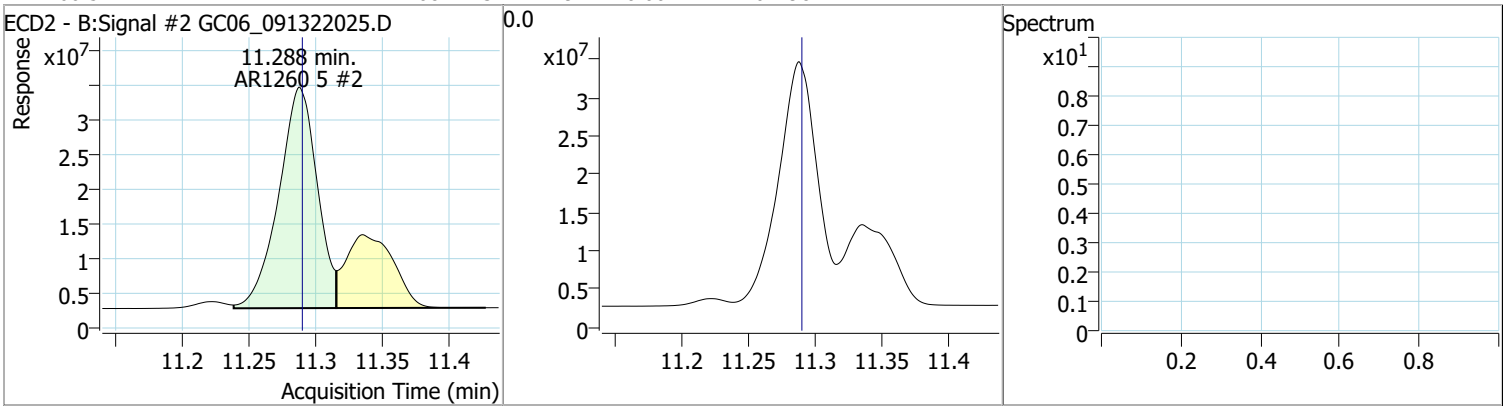
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1718.5051	10.55	0.00	43492568				



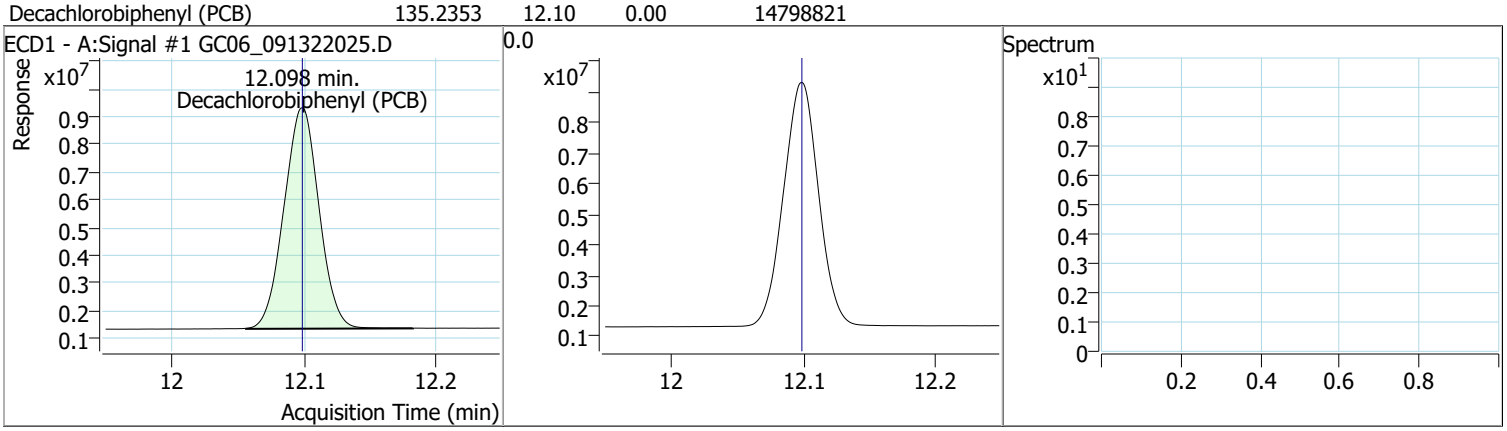
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1745.3741	10.85	0.00	9666637				



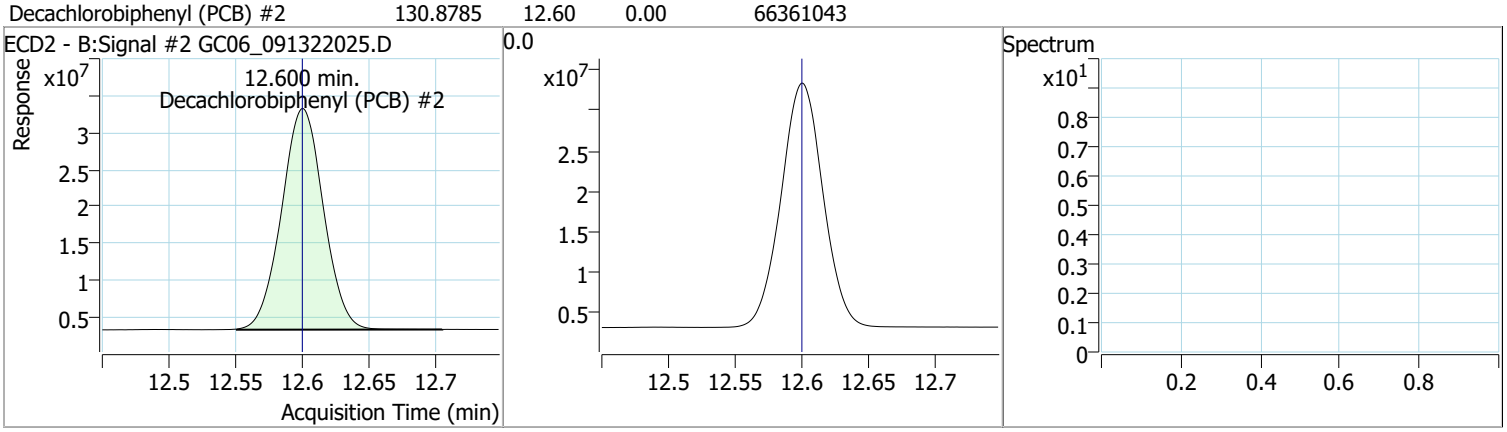
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1708.2773	11.29	0.00	64498444				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	135.2353	12.10	0.00	14798821				

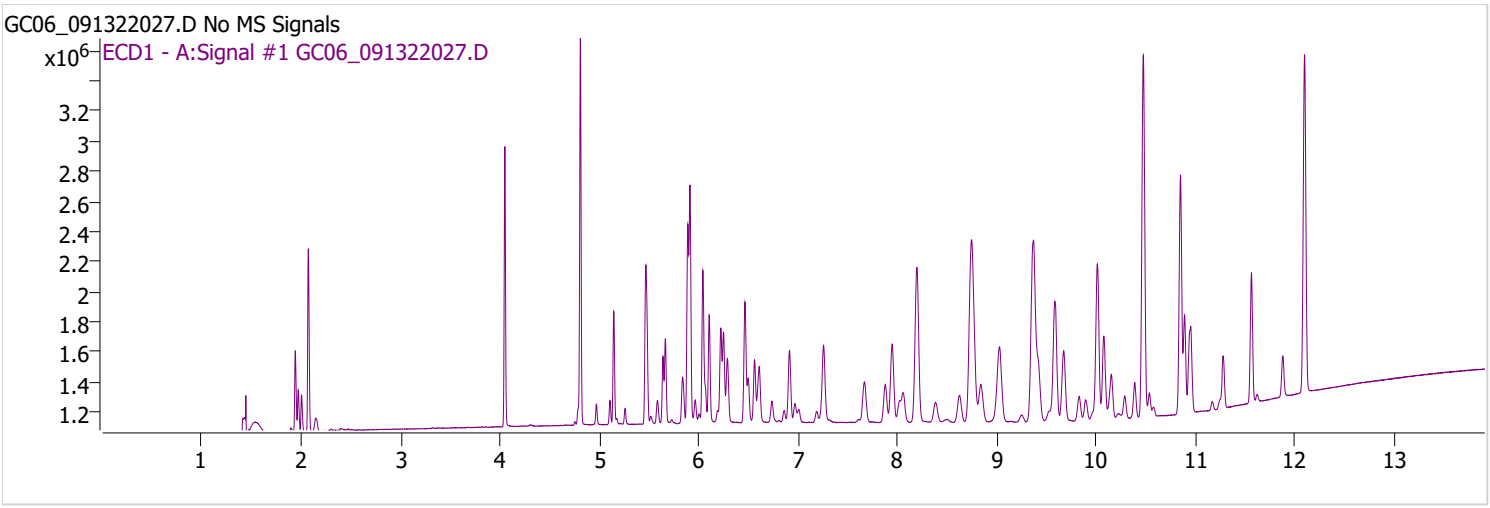


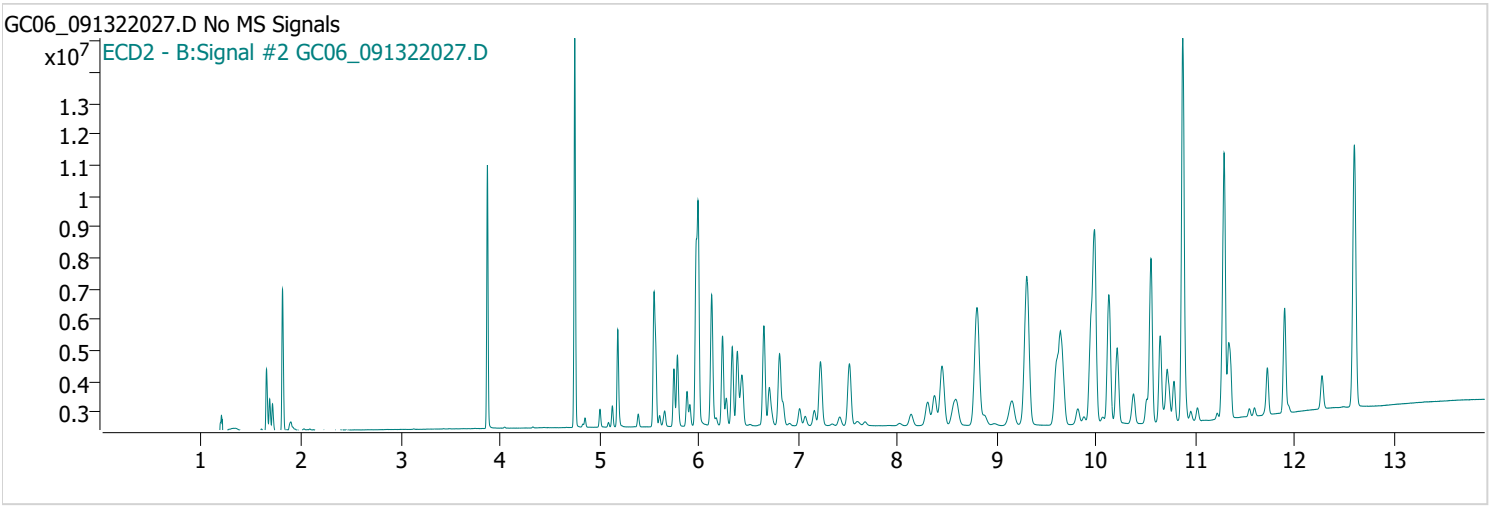
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	130.8785	12.60	0.00	66361043				



Quantitation Results Report (Not Reviewed)

Data File	GC06_091322027.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 3:33:20 AM
Sample Name	ICV, S16736	Instrument	SVOA-GC06
Vial	50	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



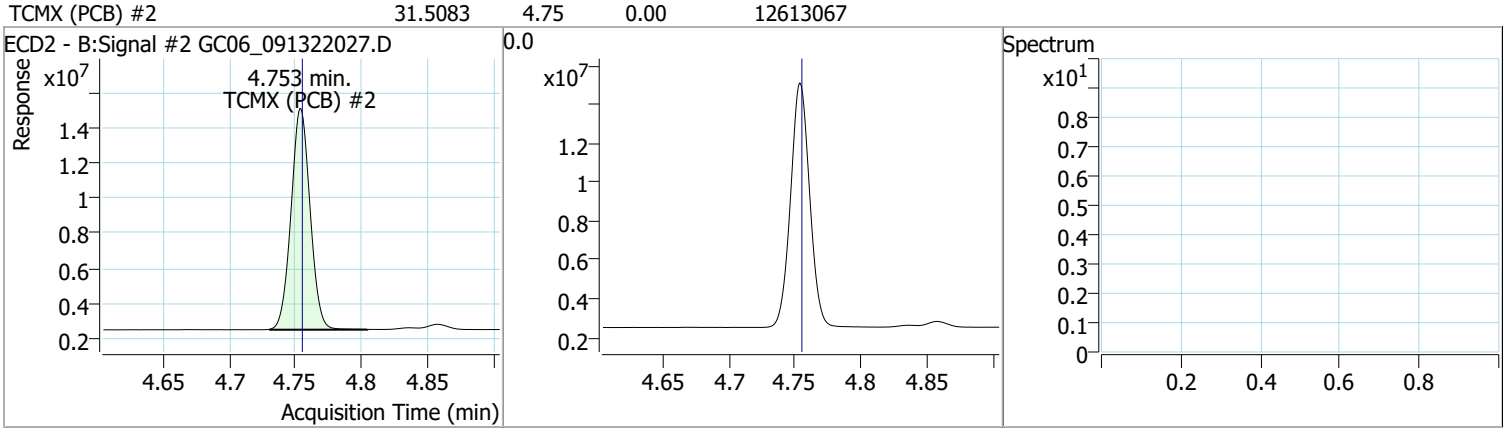


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	8177362.318	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.050	0.0	1712846.456	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.753	0.0	12613066.686	31.5083	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.54%		*	
S TCMX (PCB)	4.810	0.0	2606553.912	31.9481	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.74%		*	
S Decachlorobiphenyl (PCB)	12.100	0.0	4155868.512	36.1760	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.88%		*	
S Decachlorobiphenyl (PCB) #2	12.601	0.0	18671827.279	34.4224	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.11%		*	
Target Compounds							QValue

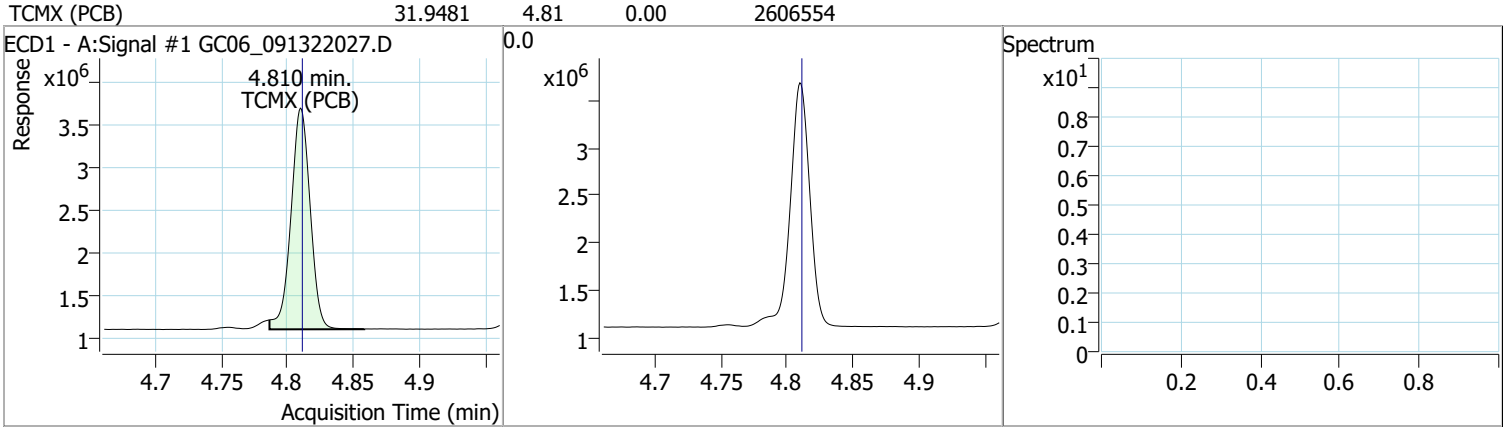
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.147	0.0	835744.962	497.7294	ng/ml		100
T AR1016 1 #2	5.187	0.0	3843297.559	467.5534	ng/ml		100
T AR1016 2	5.470	0.0	1755874.913	489.2305	ng/ml		100
T AR1016 2 #2	5.553	0.0	8106940.559	472.8747	ng/ml		100
T AR1016 3	5.913	0.0	2033105.528	480.5513	ng/ml		100
T AR1016 3 #2	5.994	0.0	10728054.171	480.9647	ng/ml	m	100
T AR1016 4	6.043	0.0	1495109.825	469.5057	ng/ml		100
T AR1016 4 #2	6.132	0.0	7047878.619	478.2157	ng/ml	m	100
T AR1016 5	6.467	0.0	1233230.822	484.2563	ng/ml		100
T AR1016 5 #2	6.658	0.0	5827477.467	468.3147	ng/ml		100
T AR1260 1	8.198	0.0	2642364.058	524.4175	ng/ml		100
T AR1260 2	8.747	0.0	4163633.984	523.7035	ng/ml		100
T AR1260 1 #2	8.803	0.0	13904437.850	490.8535	ng/ml	m	100
T AR1260 2 #2	9.303	0.0	15472948.387	486.5633	ng/ml		100
T AR1260 3	9.372	0.0	4592438.997	551.7012	ng/ml		100
T AR1260 3 #2	9.986	0.0	21517566.548	525.9915	ng/ml		100
T AR1260 4	10.014	0.0	2172191.790	462.5644	ng/ml		100
T AR1260 4 #2	10.554	0.0	12275769.292	453.4022	ng/ml		100
T AR1260 5	10.852	0.0	2869211.421	493.4815	ng/ml		100
T AR1260 5 #2	11.290	0.0	17802178.269	440.7389	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

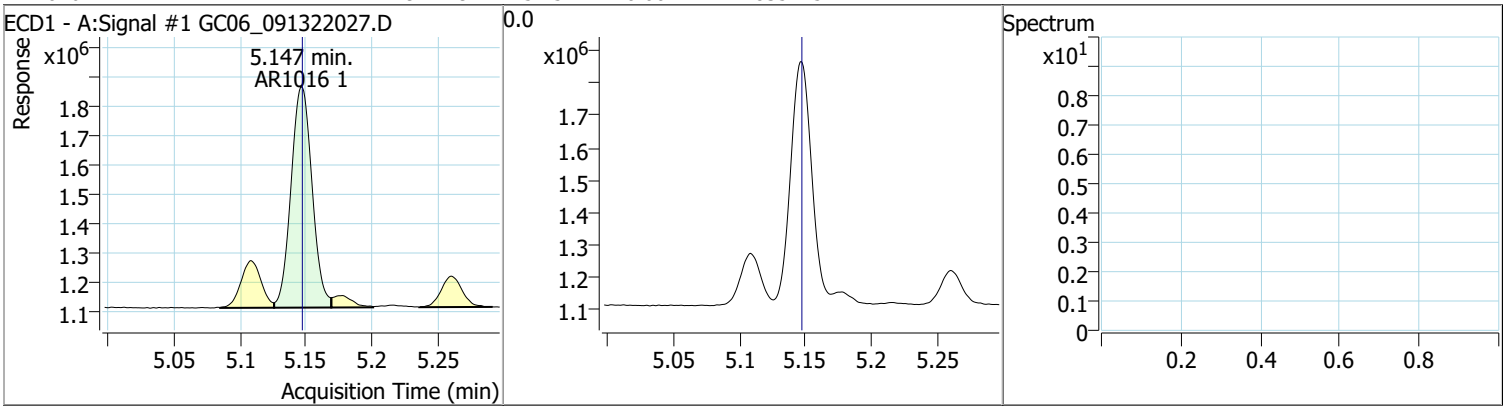
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.5083	4.75	0.00	12613067				



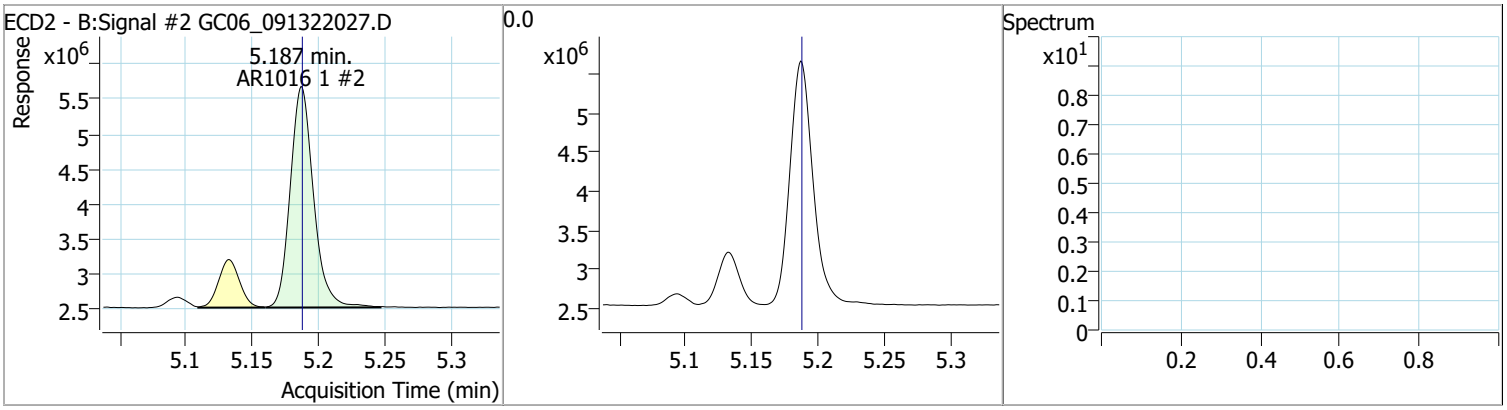
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.9481	4.81	0.00	2606554				



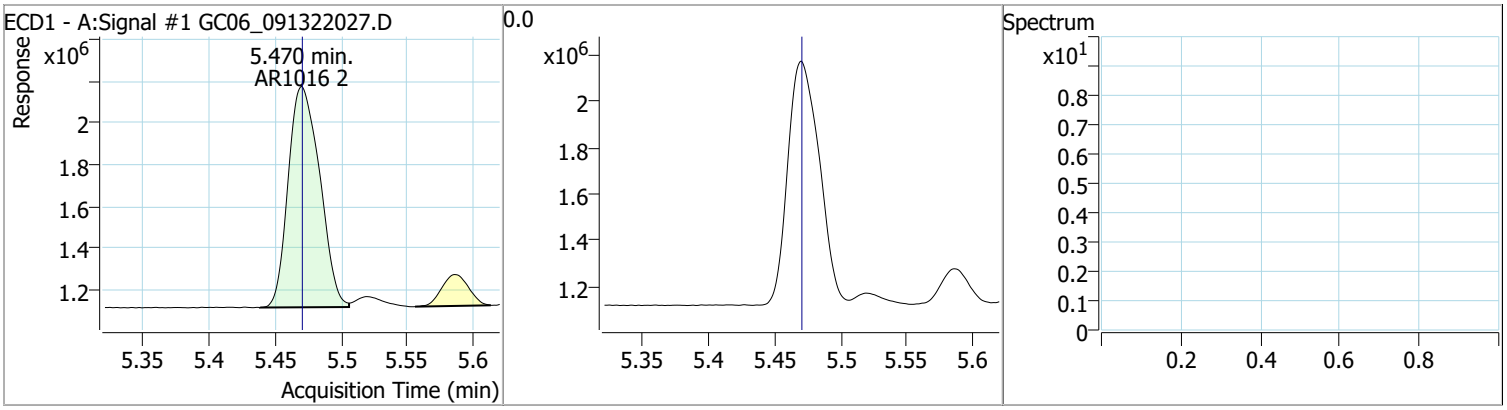
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	497.7294	5.15	0.00	835745				



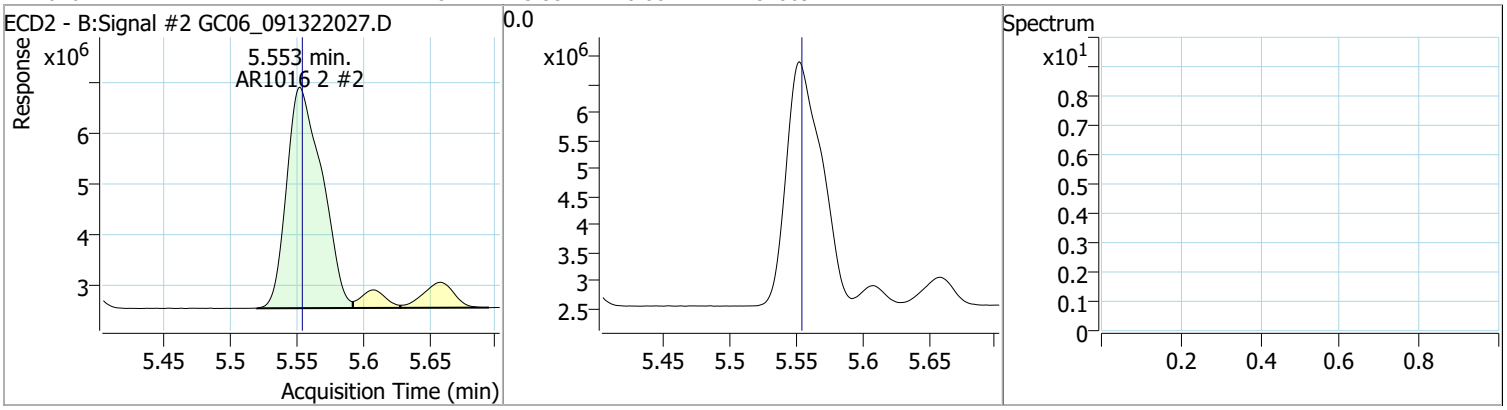
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	467.5534	5.19	0.00	3843298				



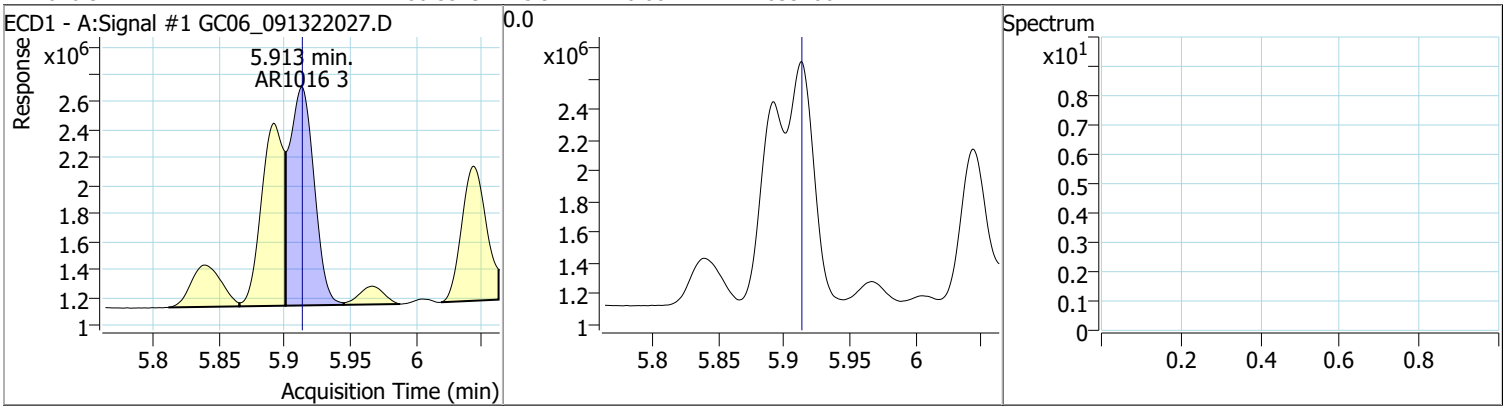
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	489.2305	5.47	0.00	1755875				



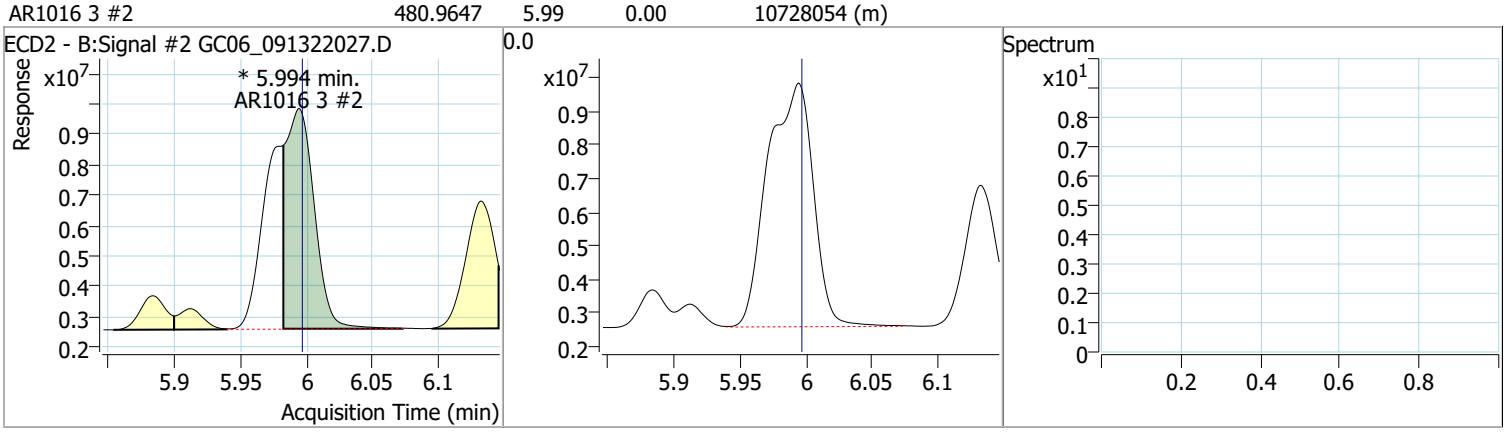
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	472.8747	5.55	0.00	8106941				



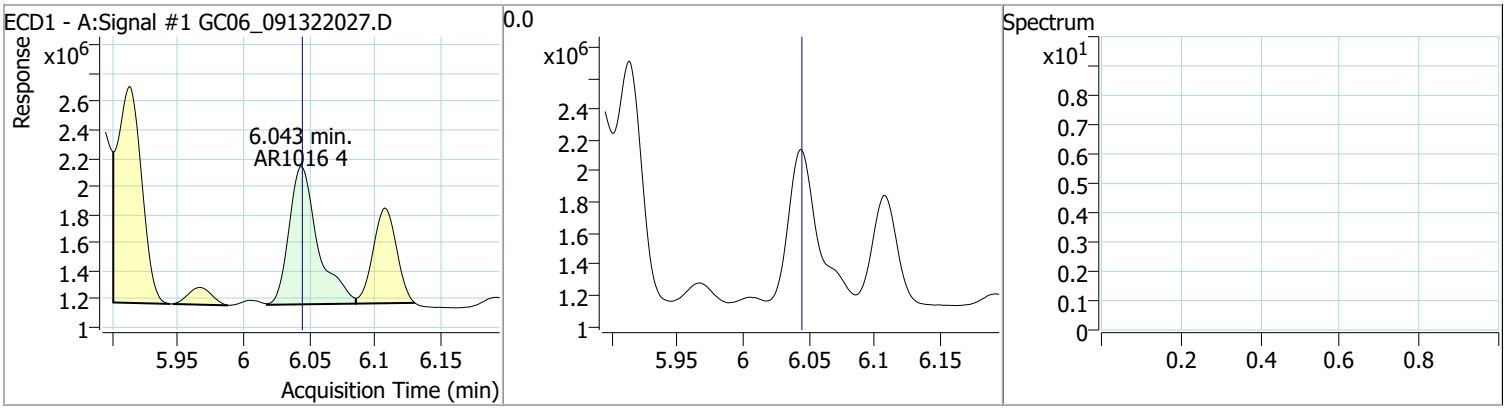
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	480.5513	5.91	0.00	2033106				



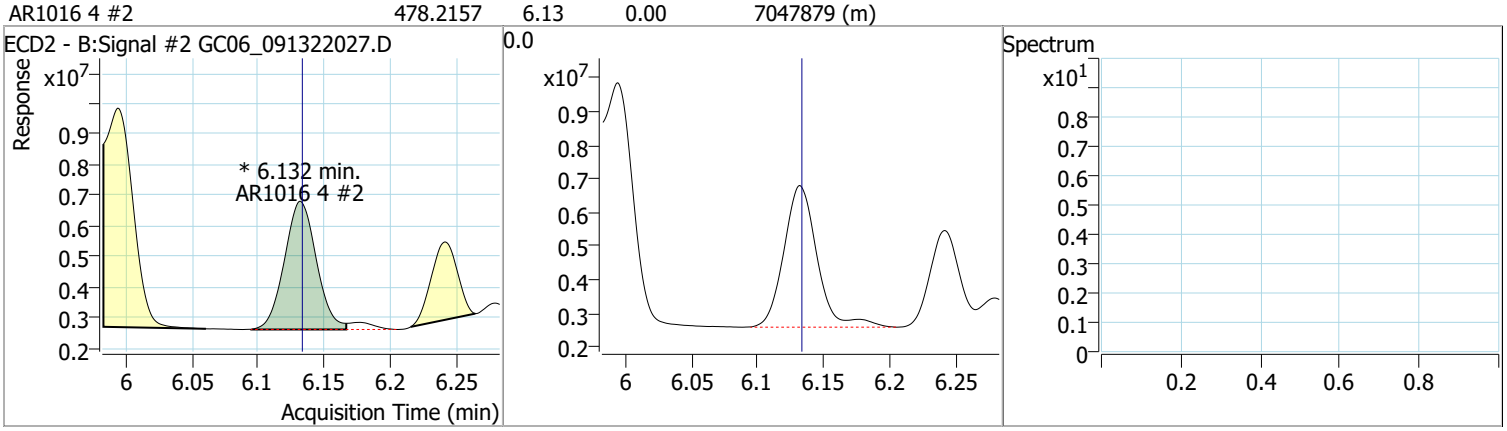
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	480.9647	5.99	0.00	10728054 (m)				



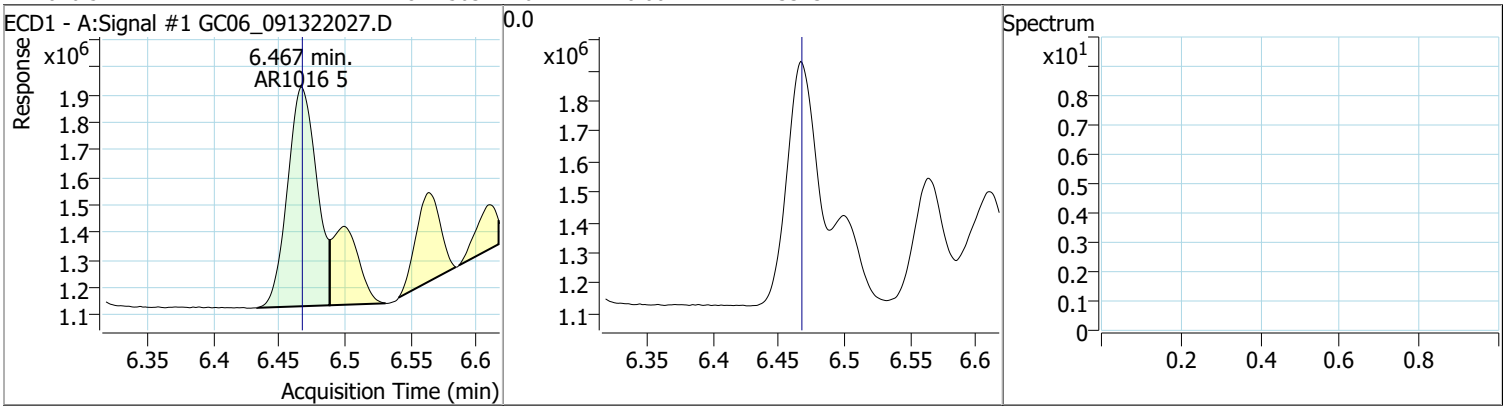
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	469.5057	6.04	0.00	1495110				



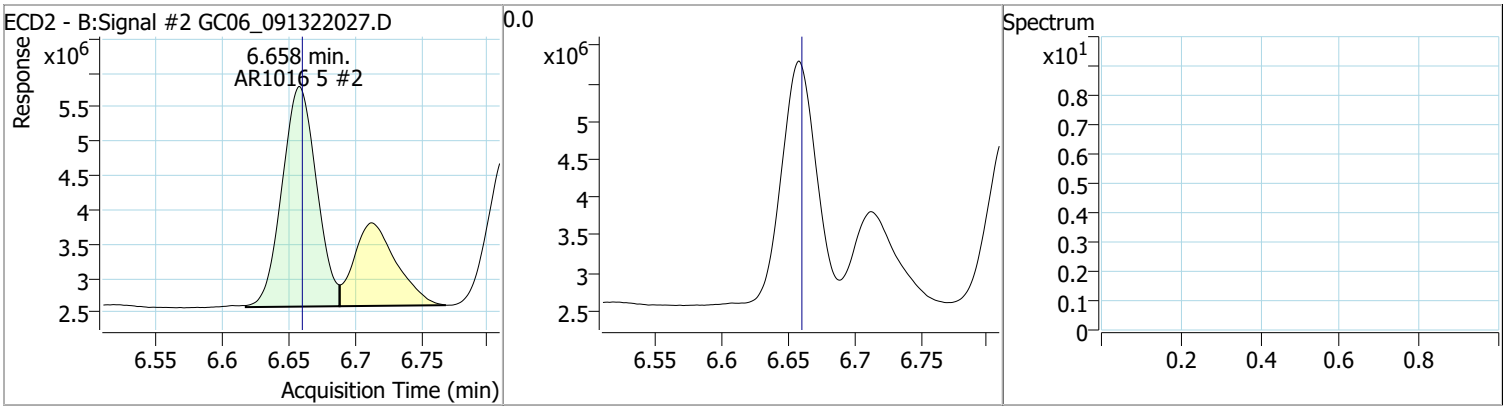
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	478.2157	6.13	0.00	7047879 (m)				



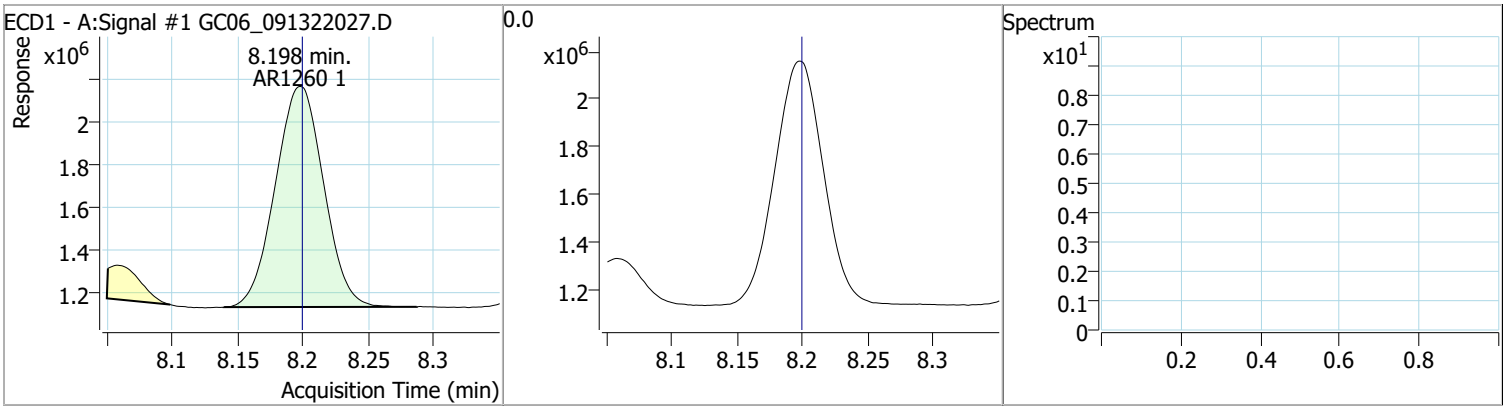
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	484.2563	6.47	0.00	1233231				



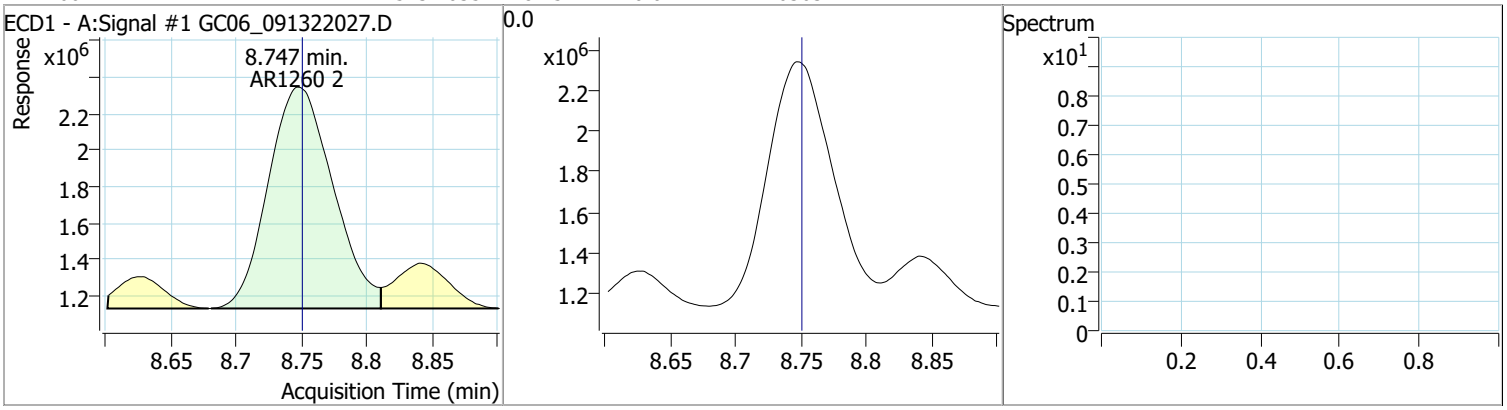
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	468.3147	6.66	0.00	5827477				



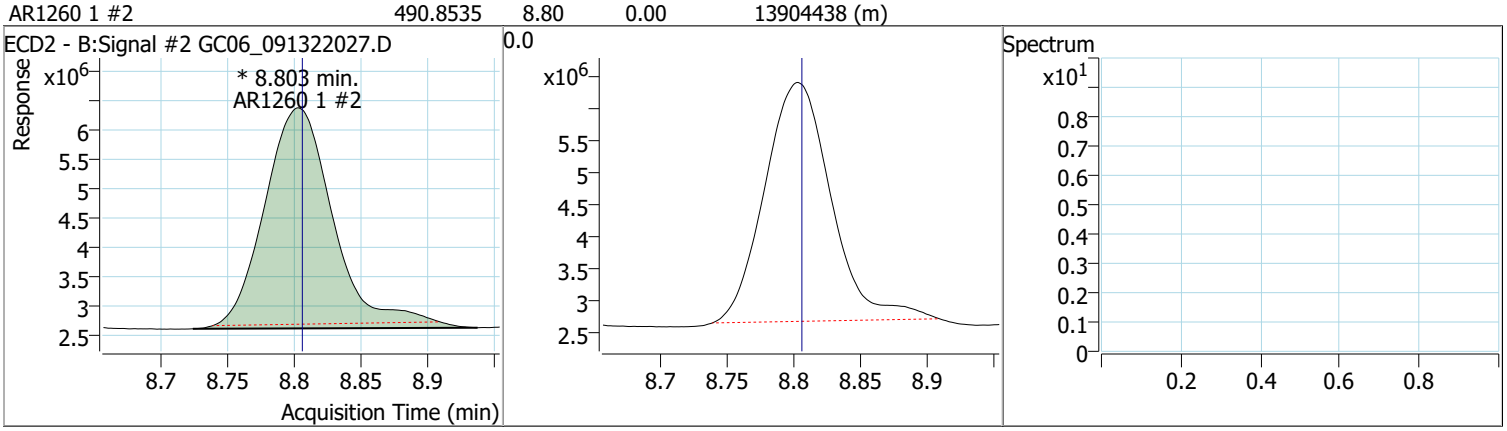
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	524.4175	8.20	0.00	2642364				



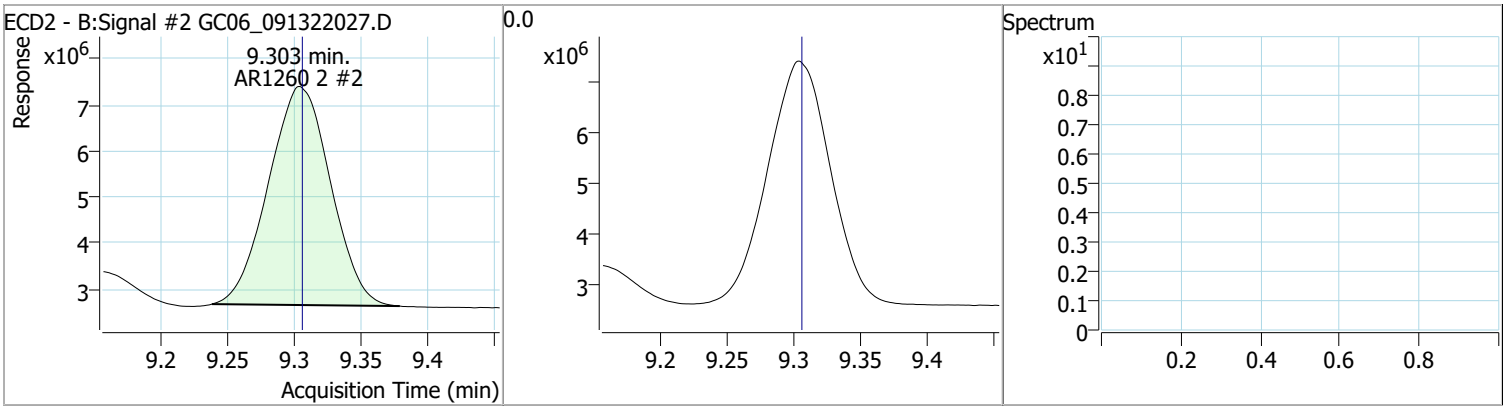
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	523.7035	8.75	-0.01	4163634				



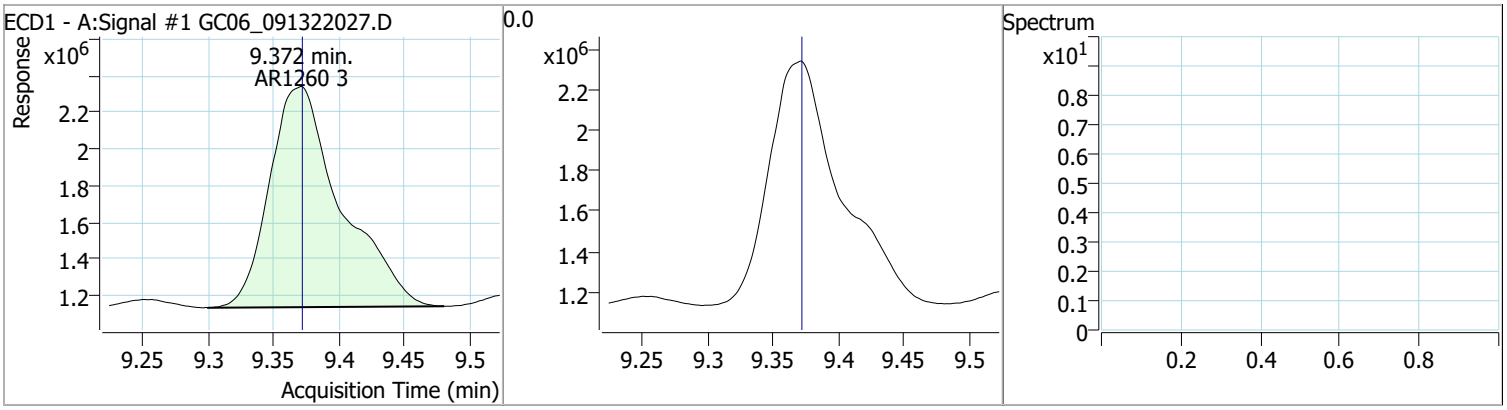
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	490.8535	8.80	0.00	13904438 (m)				



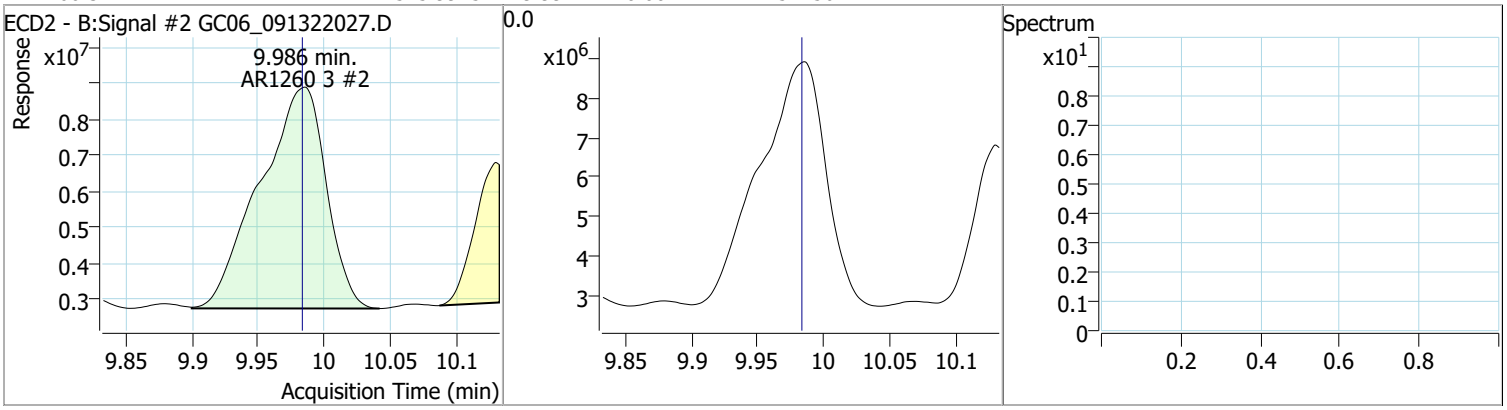
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	486.5633	9.30	0.00	15472948				



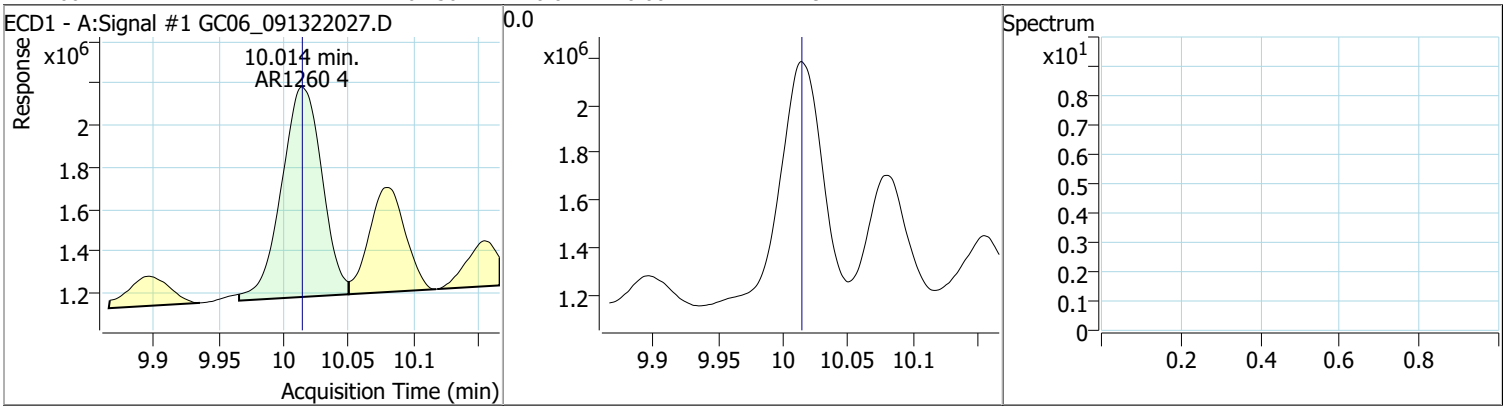
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	551.7012	9.37	0.00	4592439				



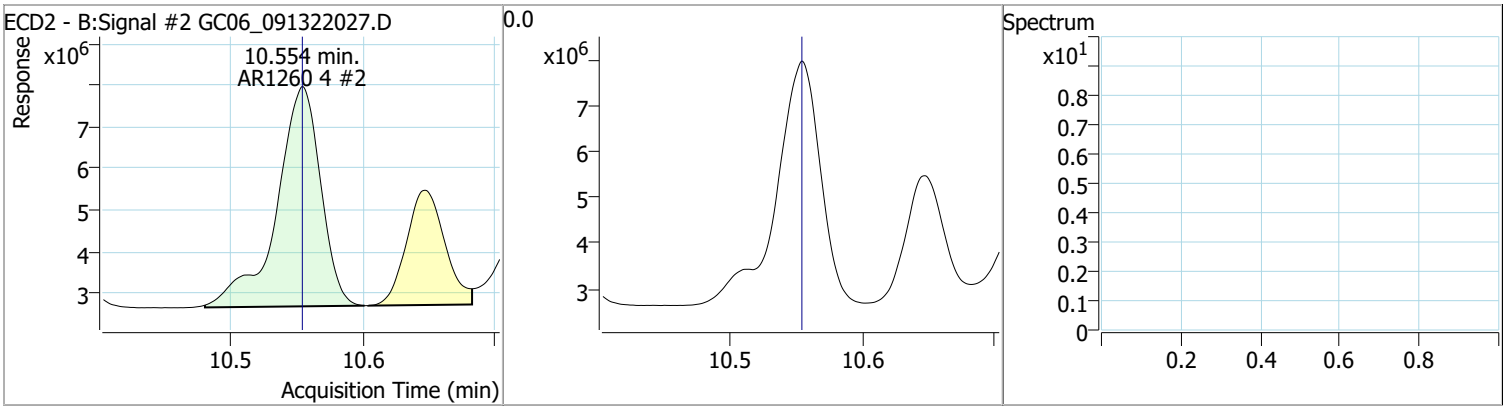
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	525.9915	9.99	0.00	21517567				



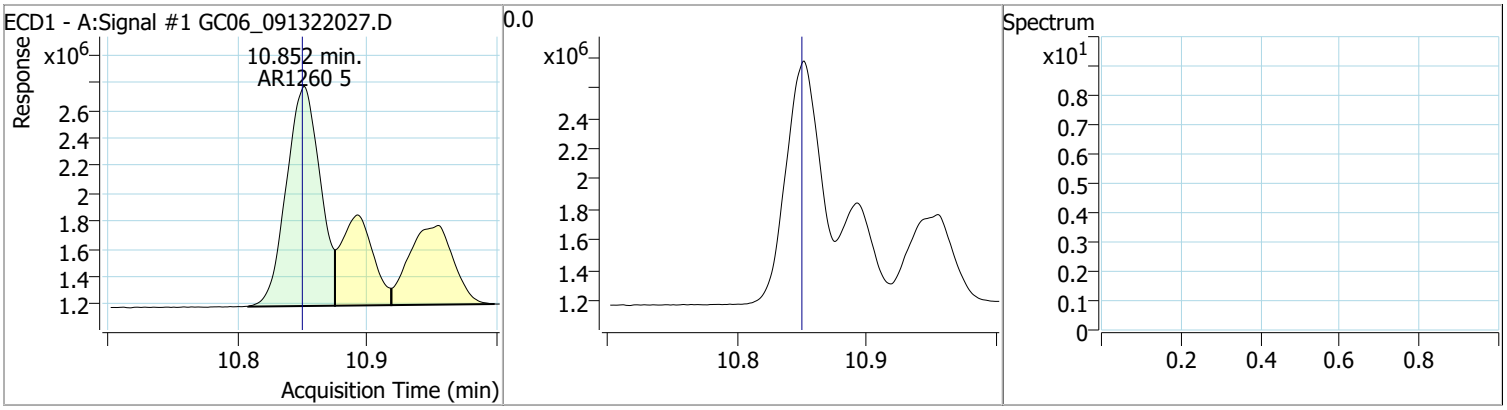
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	462.5644	10.01	0.00	2172192				



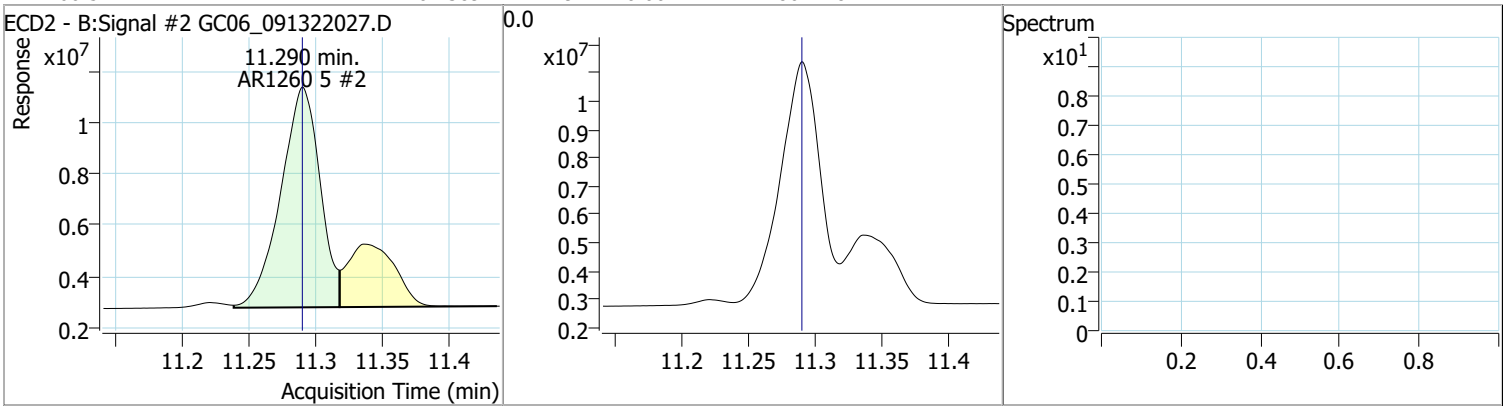
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	453.4022	10.55	0.00	12275769				



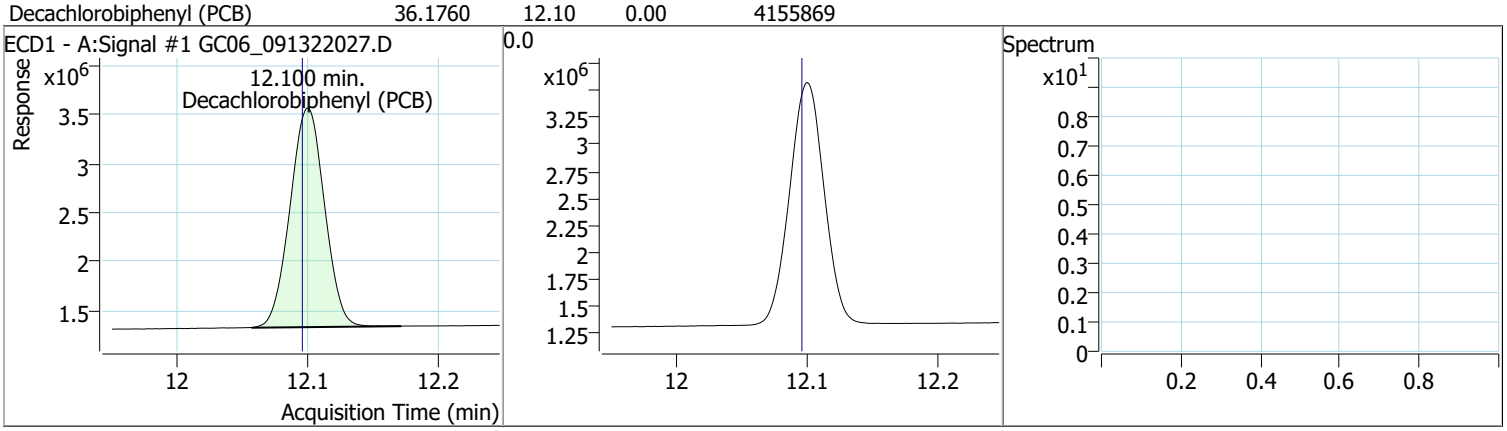
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	493.4815	10.85	0.00	2869211				



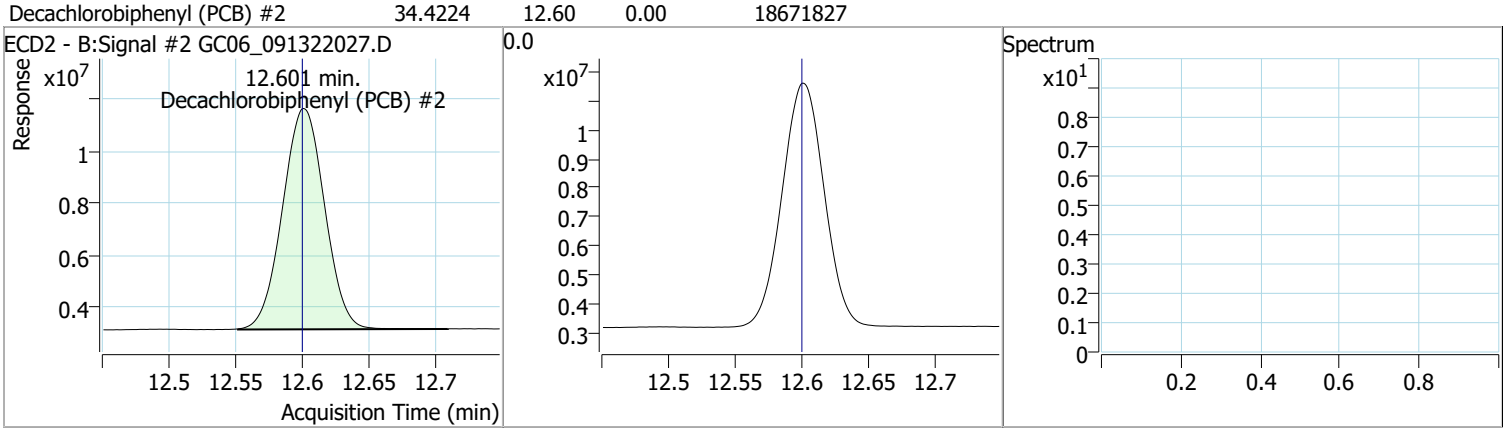
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	440.7389	11.29	0.00	17802178				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.1760	12.10	0.00	4155869				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.4224	12.60	0.00	18671827				



ENTHALPY INITIAL CALIBRATION FOR 470417 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101122_1
Calibration #:	452409808001	Date:	11-OCT-2022 15:18
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_101122008	452409808008		11-OCT-2022 15:18	S17360

Analyte	Ch	L1 RF	Type	a0	a1	a2	Avg RF	%RSD	Min r^2	Max %RSD	Flags
Aroclor-1268 Peak # 1	A	0.0296	AVRG		33.8222		0.0296	0	.99	20	
Aroclor-1268 Peak # 2	A	0.0395	AVRG		25.3379		0.0395	0	.99	20	
Aroclor-1268 Peak # 3	A	0.1729	AVRG		5.78515		0.1729	0	.99	20	
Aroclor-1268 Peak # 4	A	0.1375	AVRG		7.27188		0.1375	0	.99	20	
Aroclor-1268 Peak # 5	A	0.4905	AVRG		2.03882		0.4905	0	.99	20	
Aroclor-1268 Peak # 1	B	0.0298	AVRG		33.5327		0.0298	0	.99	20	
Aroclor-1268 Peak # 2	B	0.0386	AVRG		25.9185		0.0386	0	.99	20	
Aroclor-1268 Peak # 3	B	0.1676	AVRG		5.96789		0.1676	0	.99	20	
Aroclor-1268 Peak # 4	B	0.1292	AVRG		7.74084		0.1292	0	.99	20	
Aroclor-1268 Peak # 5	B	0.4274	AVRG		2.33976		0.4274	0	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

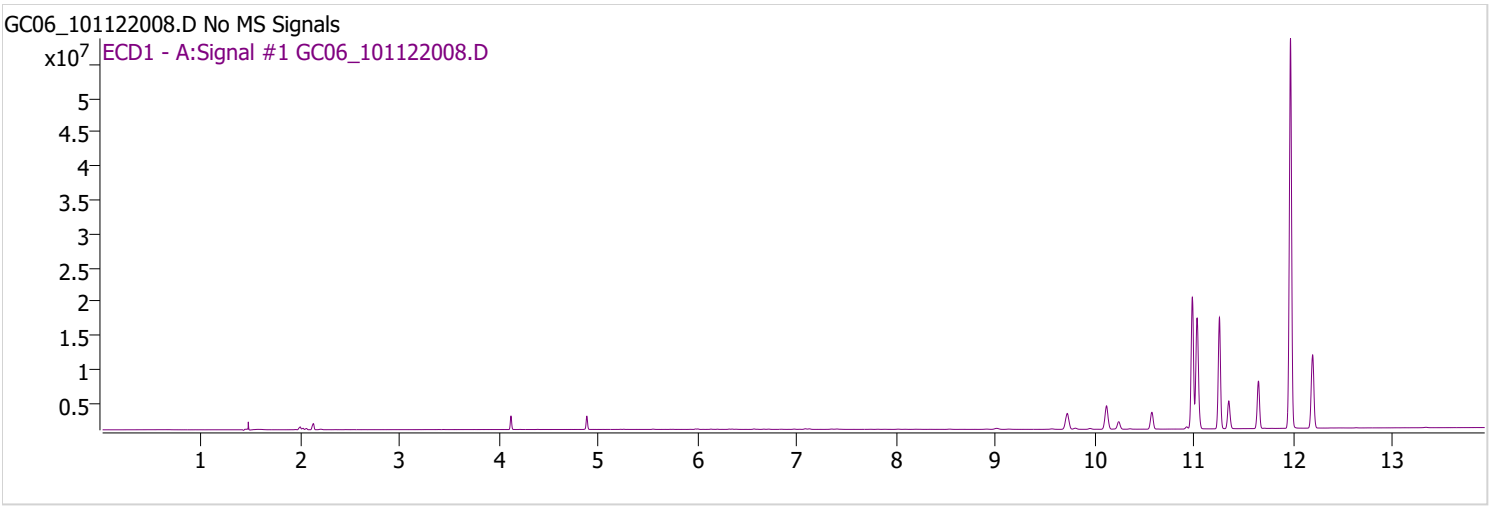
Spiked Amounts / Drifts	Ch	L1	%D
Aroclor-1268 Peak # 1	A	2000.0	0
Aroclor-1268 Peak # 2	A	2000.0	0
Aroclor-1268 Peak # 3	A	2000.0	0
Aroclor-1268 Peak # 4	A	2000.0	0
Aroclor-1268 Peak # 5	A	2000.0	0
Aroclor-1268 Peak # 1	B	2000.0	0
Aroclor-1268 Peak # 2	B	2000.0	0
Aroclor-1268 Peak # 3	B	2000.0	0
Aroclor-1268 Peak # 4	B	2000.0	0
Aroclor-1268 Peak # 5	B	2000.0	0

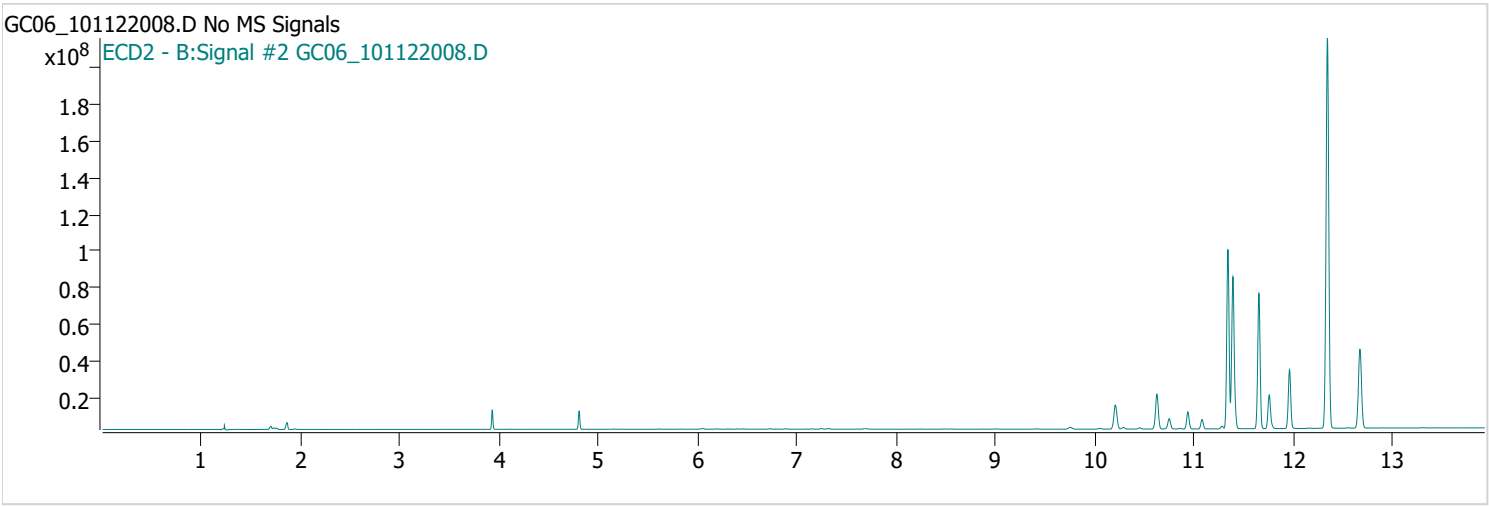
Analyst: TRN 10/17/22

Reviewer: LW 10/17/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_101122008.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/11/2022 3:18:24 PM
Sample Name	ICAL, S17360	Instrument	SVOA-GC06
Vial	150	Multiplier	1.00
DA Method File	PCB_AR1268_101122_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101112AR1268.batch.bin	Last Calib Update	10/17/2022 5:39:50 PM
Ref Library			



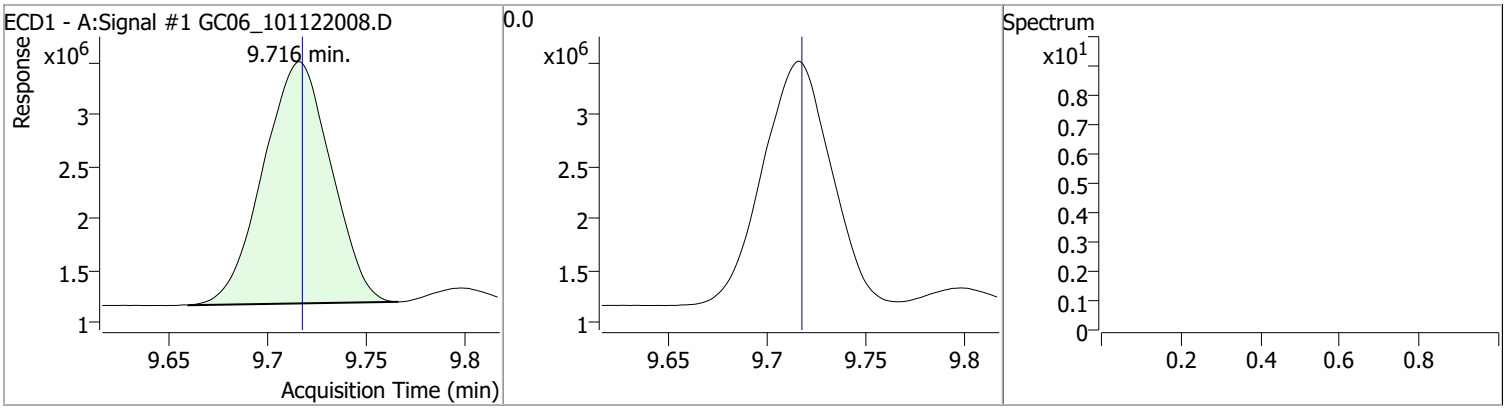


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268) #2	3.924	0.0	9629213.875	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (1268)	4.113	0.0	1872599.835	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	9.716	0.0	5536600.424	2000.0000	ng/ml	100
T AR1268 2	10.111	0.0	7390511.551	2000.0000	ng/ml	100
T AR1268 1 #2	10.199	0.0	28715880.406	2000.0000	ng/ml	100
T AR1268 2 #2	10.618	0.0	37151852.186	2000.0000	ng/ml	100
T Aroclor-1268	10.803	0.0	32578966.887	2000.0000	ng/ml	
T AR1268 3	10.975	0.0	32369095.640	2000.0000	ng/ml	100

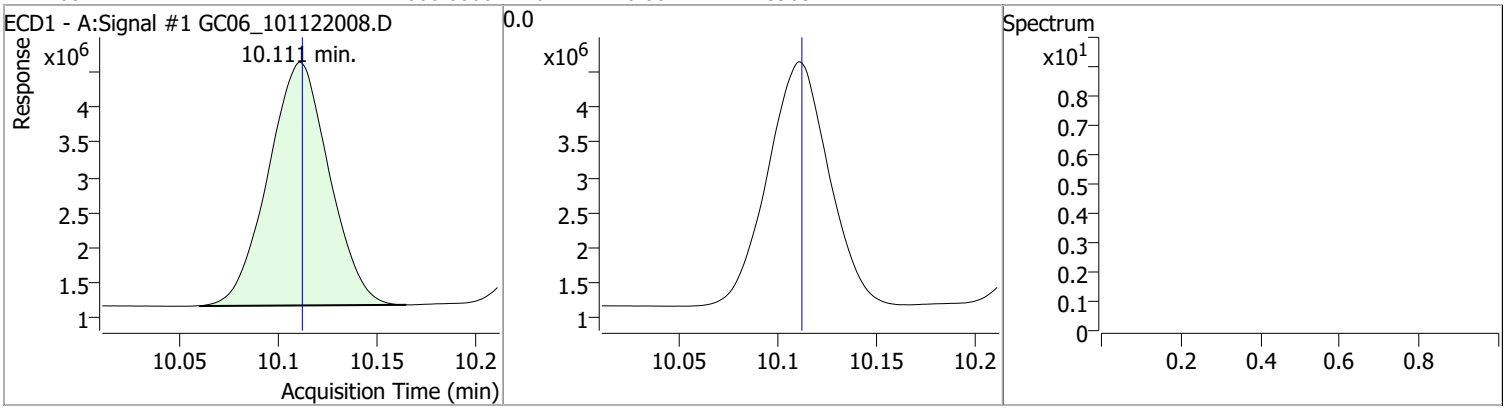
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 4	11.248	0.0	25751238.554	2000.0000	ng/ml	100
T AR1268 3 #2	11.334	0.0	161350343.273	2000.0000	ng/ml	100
T AR1268 4 #2	11.646	0.0	124394983.429	2000.0000	ng/ml	100
T Aroclor-1268 #2	11.227	0.0	152631913.365	2000.0000	ng/ml	
T AR1268 5	11.964	0.0	91847388.262	2000.0000	ng/ml	100
T AR1268 5 #2	12.336	0.0	411546507.530	2000.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

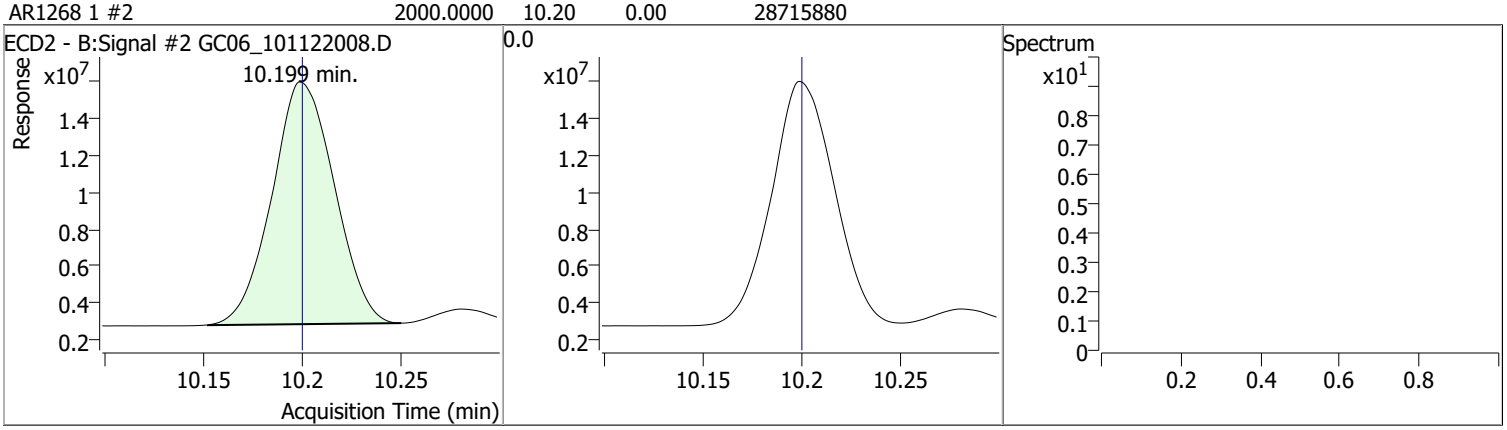
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	2000.0000	9.72	0.00	5536600				



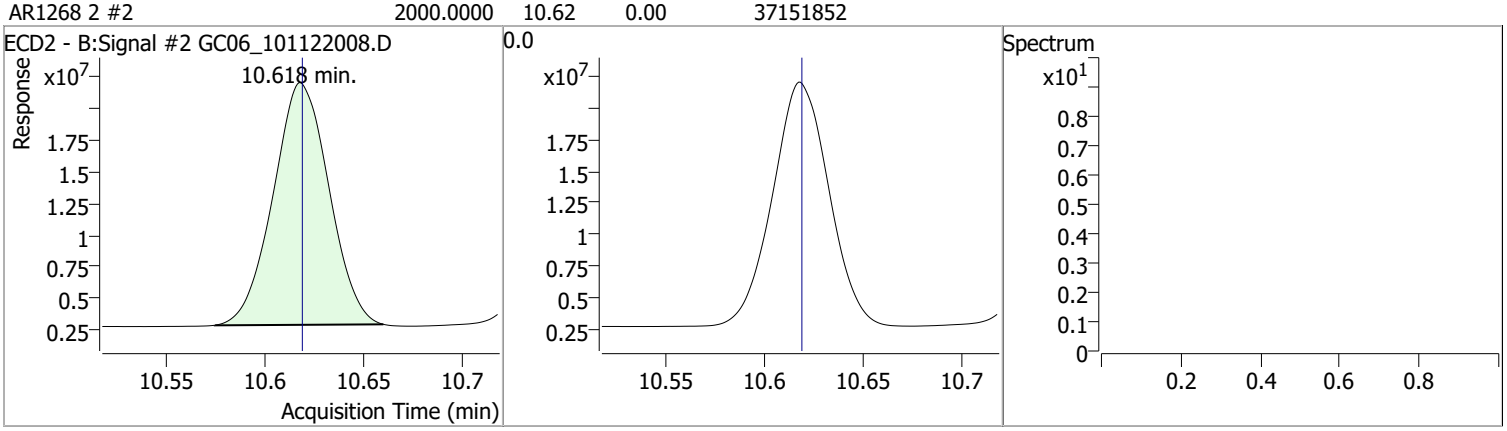
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	2000.0000	10.11	0.00	7390512				



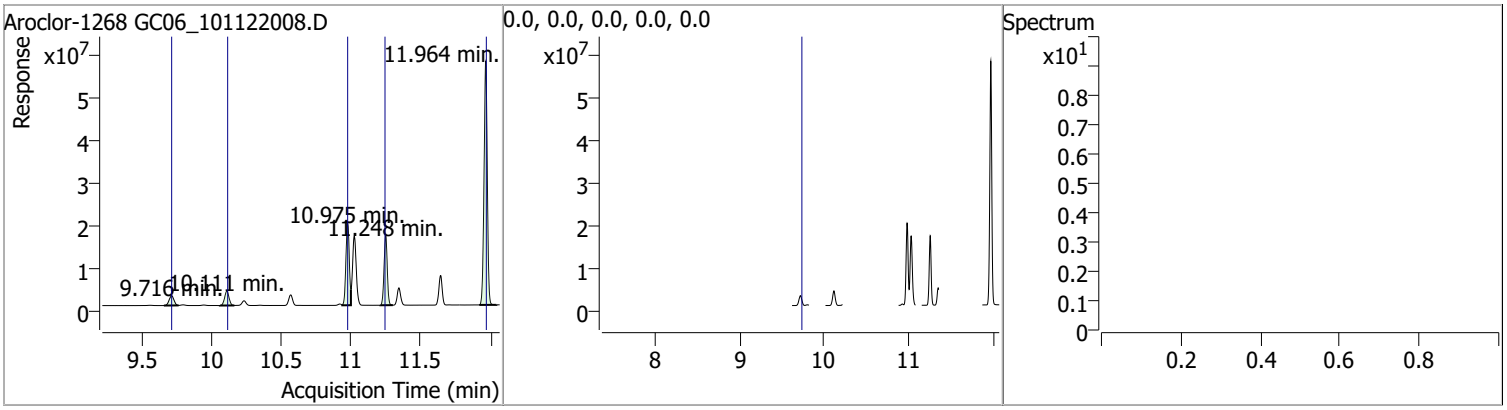
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	2000.0000	10.20	0.00	28715880				



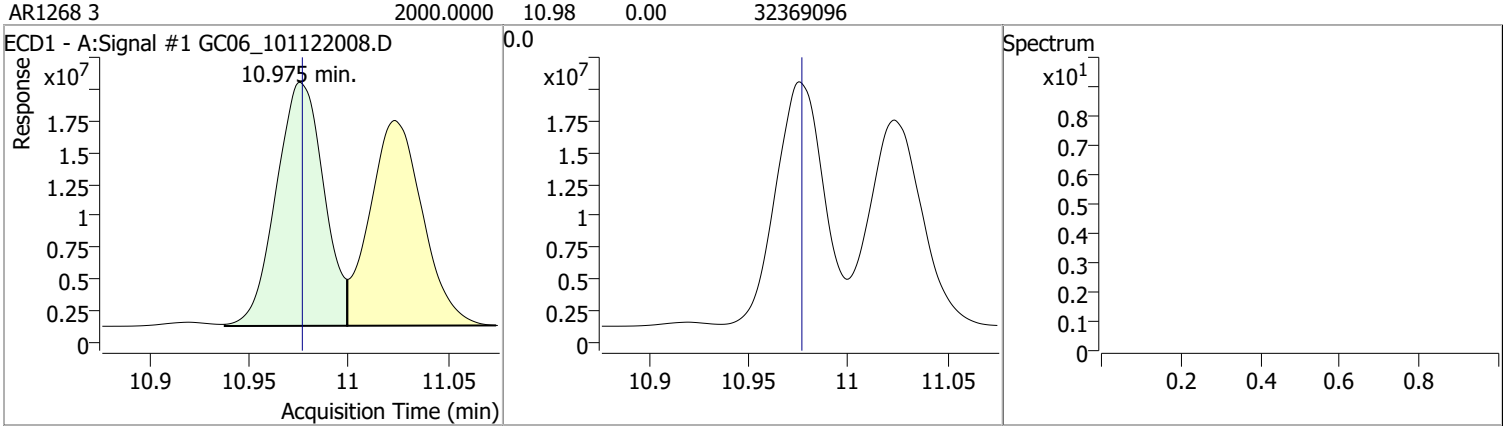
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AR1268 2 #2	2000.0000	10.62	0.00	37151852				



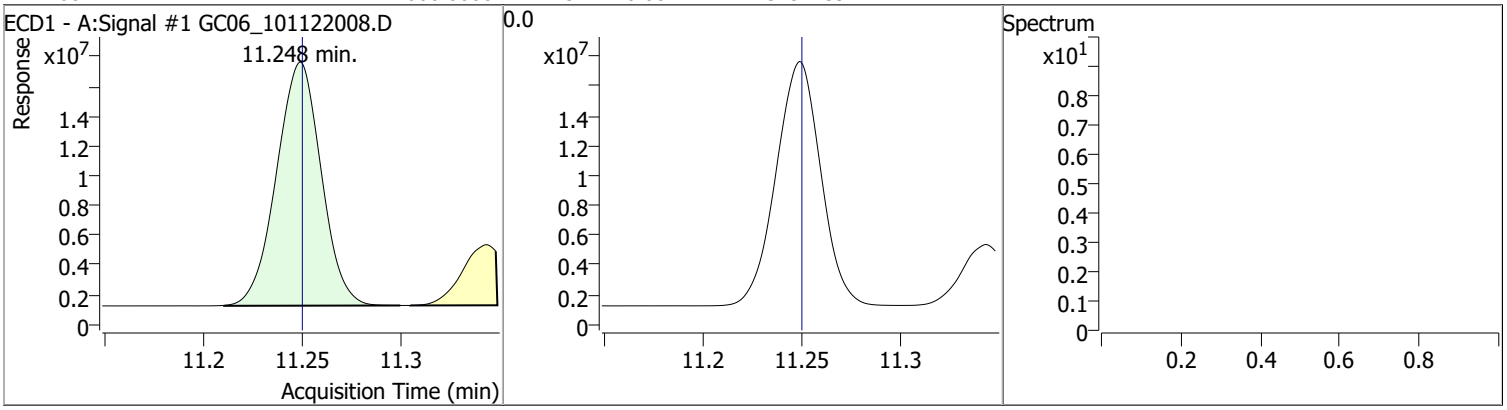
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	2000.0000	10.80	0.16	32578967				



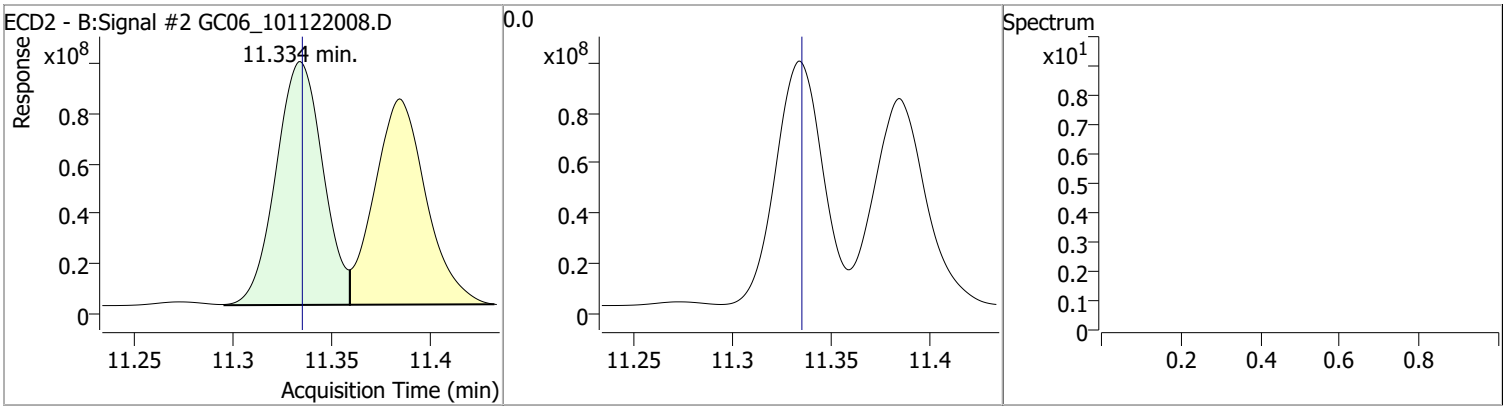
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	2000.0000	10.98	0.00	32369096				



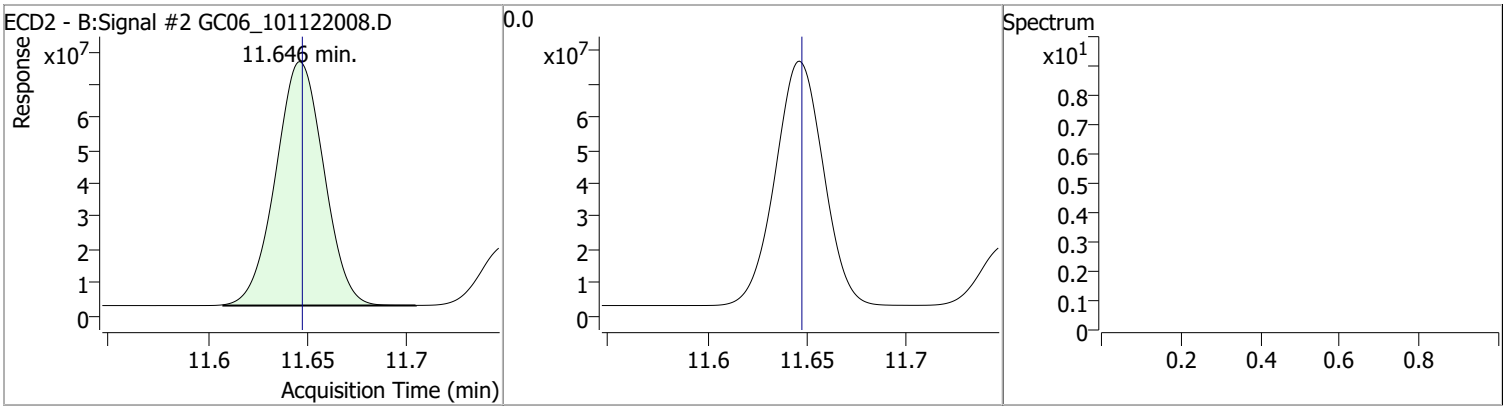
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	2000.0000	11.25	0.00	25751239				



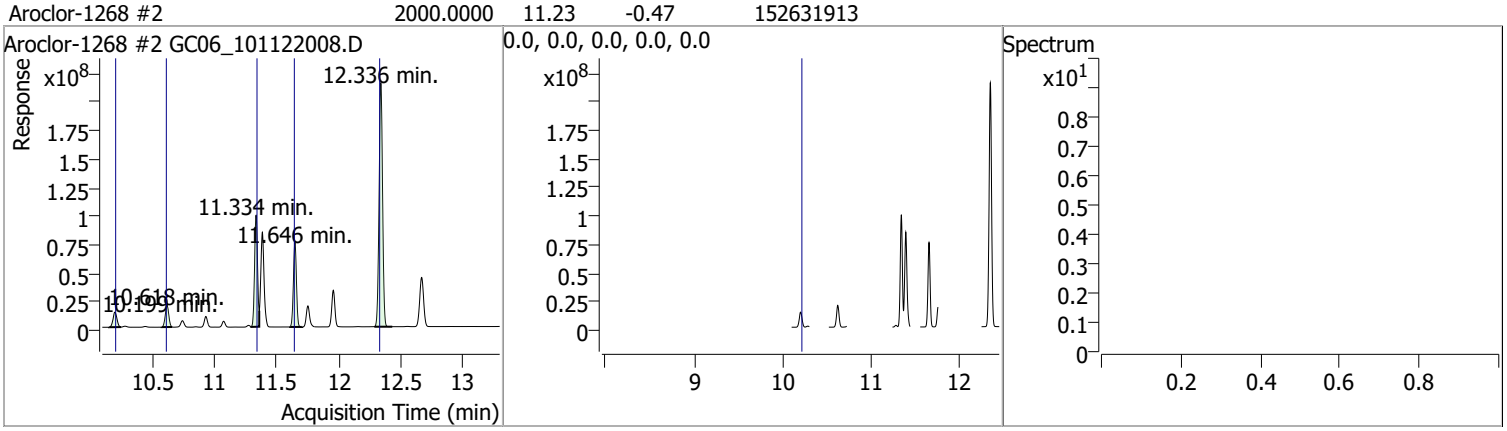
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AR1268 3 #2	2000.0000	11.33	0.00	161350343				



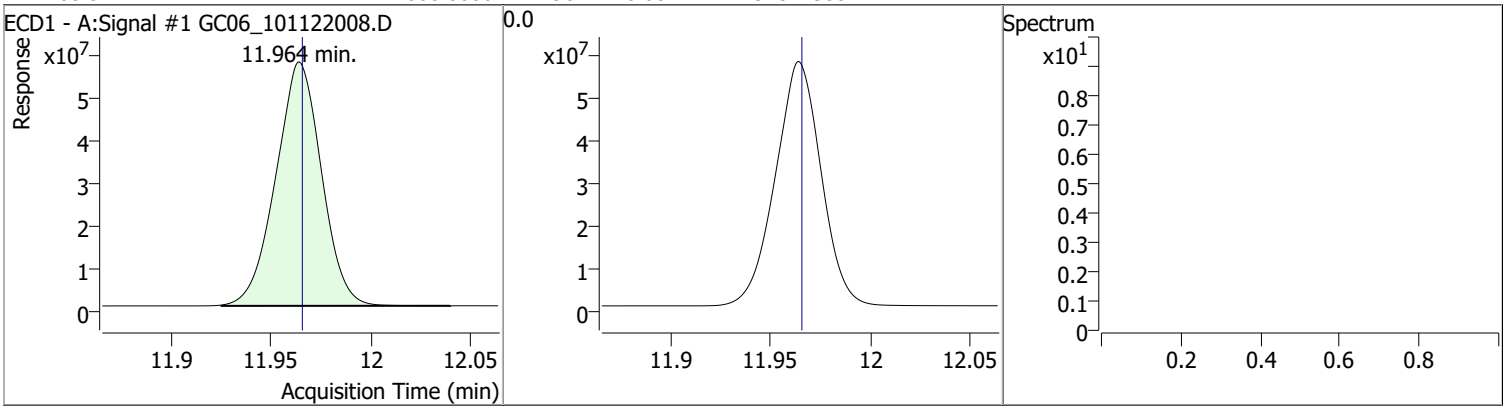
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	2000.0000	11.65	0.00	124394983				



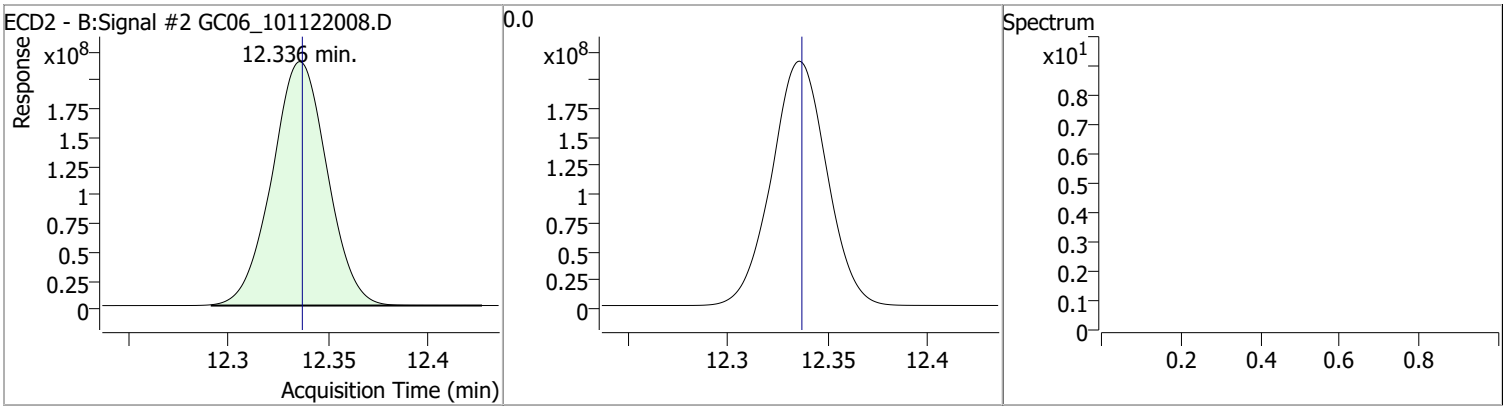
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	2000.0000	11.23	-0.47	152631913				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	2000.0000	11.96	0.00	91847388				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	2000.0000	12.34	0.00	411546508				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 470417 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452409808004	File:	gc06_101122004	Time:	11-OCT-2022 14:08
Cal:	452369928002	Caldate:	14-SEP-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	516.1	ug/L	3	15	0.0000	
Aroclor-1260	A			500.0	540.9	ug/L	8	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3414	1.4742	40.00	43.96	ug/L	10	15	0.0000	
TCMX (PCB)	A	0.9527	0.9061	40.00	38.04	ug/L	-5	15	0.0000	
Aroclor-1016	B			500.0	470.2	ug/L	-6	15	0.0000	
Aroclor-1260	B			500.0	448.2	ug/L	-10	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.3267	1.1836	40.00	35.69	ug/L	-11	15	0.0000	
TCMX (PCB)	B	0.9791	0.8892	40.00	36.33	ug/L	-9	15	0.0000	

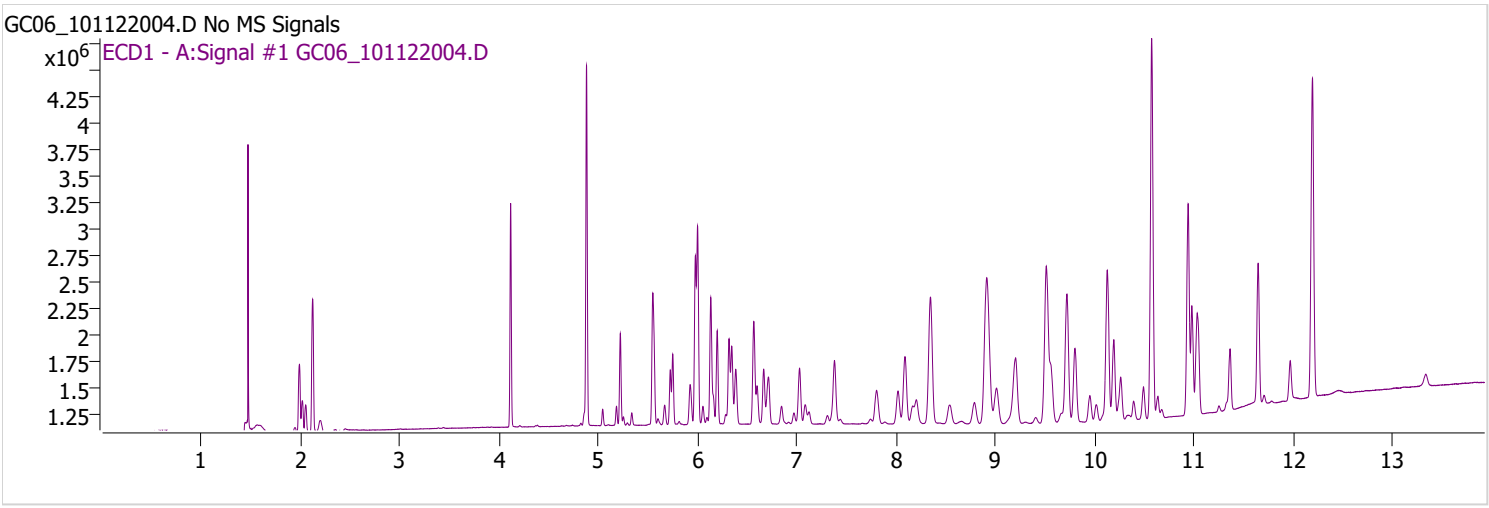
ISTD (ICAL gc06_091322018)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7396287	8695058	17.56
1-bromo-2-nitrobenzene (PCB)	A	1574602	1944427	23.49

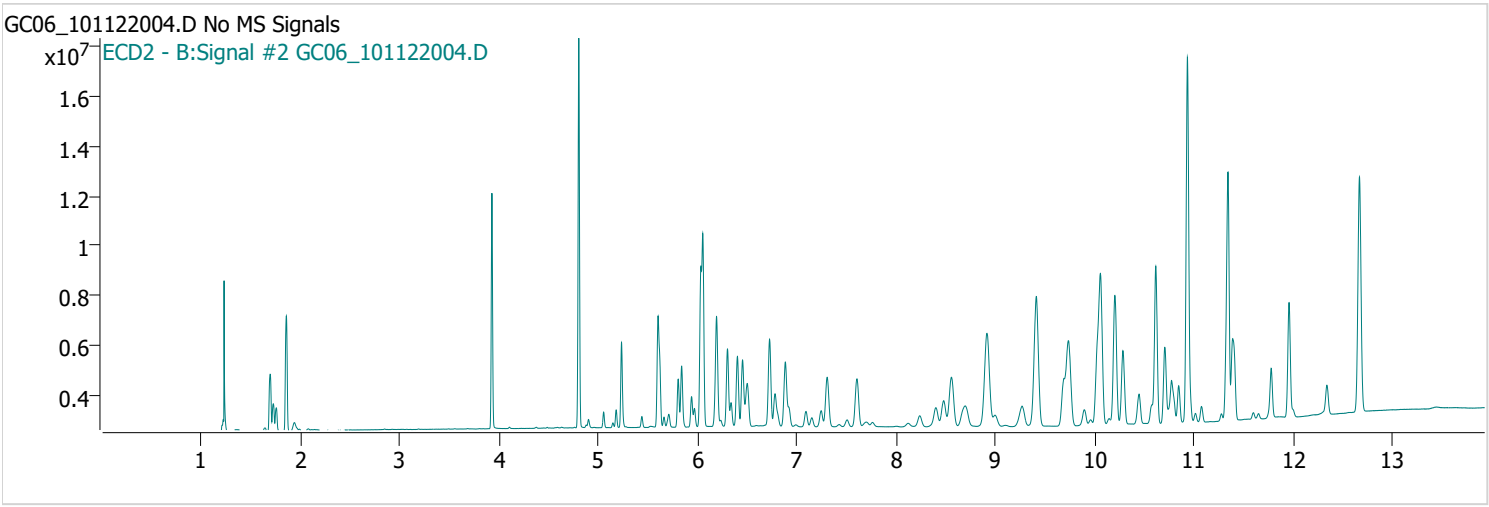
TJW 10/12/22 [Aroclor-1016 B]: Manually integrated due to baseline corrections for Ch. B

Analyst: TJW 10/12/22 **Reviewer:** LW 10/17/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_101122004.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/11/2022 2:08:38 PM
Sample Name	CCV, S17386	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101122PCB.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



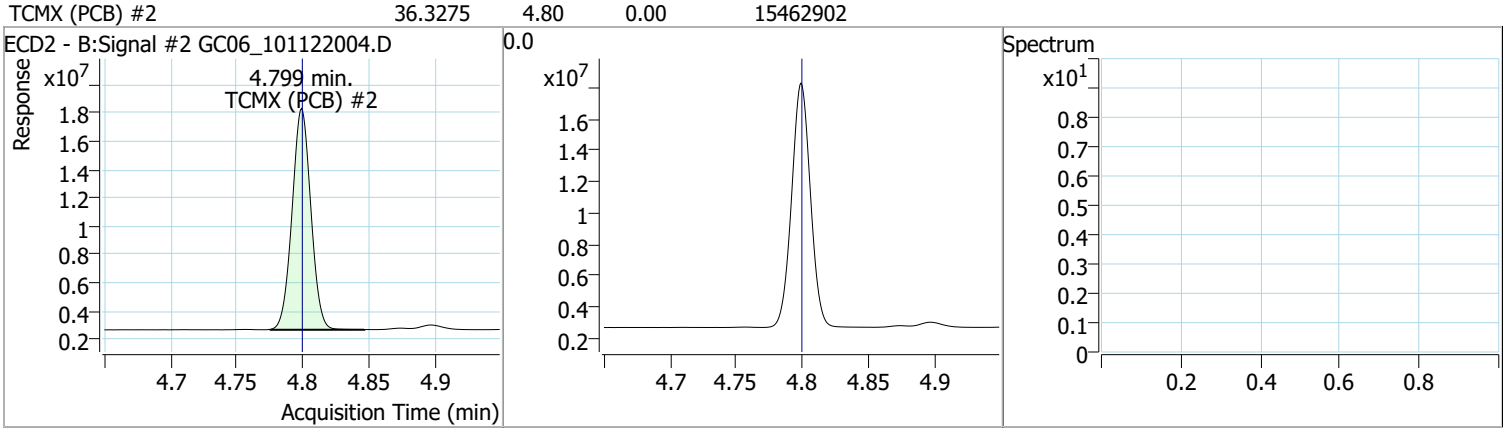


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.923	0.0	8695057.754	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB)	4.113	0.0	1944426.520	20.0000	ng/ml		-0.006
System Monitoring Compounds							
S TCMX (PCB) #2	4.799	0.0	15462902.156	36.3275	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.64%		*	
S TCMX (PCB)	4.877	0.0	3523603.984	38.0445	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.22%		*	
S Decachlorobiphenyl (PCB)	12.193	0.0	5733073.039	43.9615	ng/ml		-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 219.81%		*	
S Decachlorobiphenyl (PCB) #2	12.666	0.0	20583351.883	35.6871	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 178.44%		*	
Target Compounds							QValue

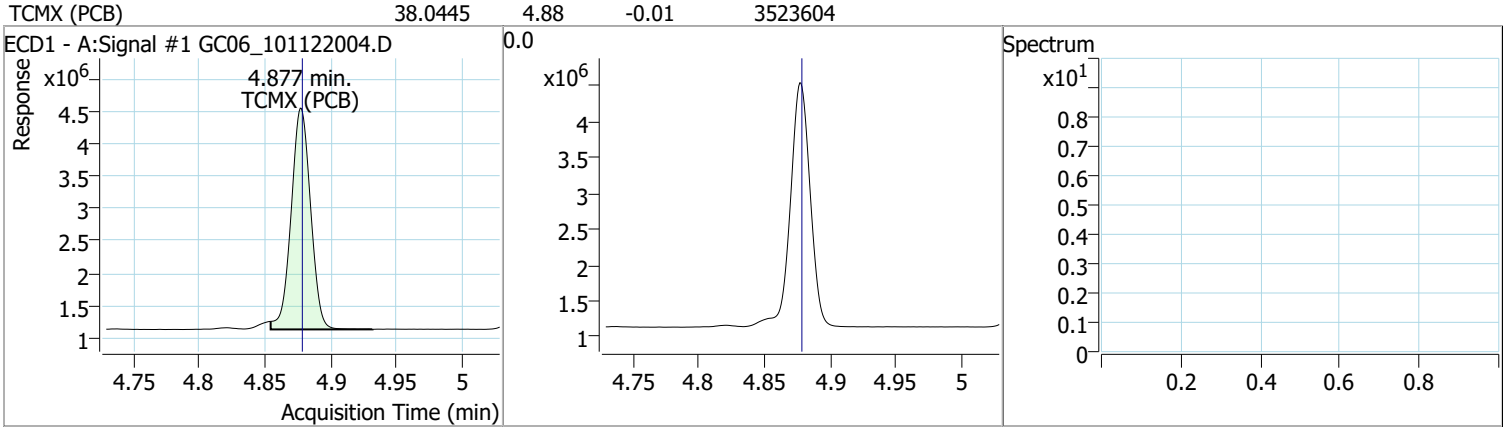
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.218	0.0	949059.649	497.8975	ng/ml		100
T AR1016 1 #2	5.230	0.0	4056164.487	464.0700	ng/ml		100
T AR1016 2	5.545	0.0	2063438.087	506.4520	ng/ml		100
T AR1016 2 #2	5.598	0.0	8407620.019	461.2145	ng/ml		100
T AR1016 3	5.996	0.0	2460934.075	512.3972	ng/ml		100
T AR1016 3 #2	6.048	0.0	11051799.726	465.9787	ng/ml	m	100
T AR1016 4	6.129	0.0	1907457.855	527.6545	ng/ml		100
T AR1016 4 #2	6.188	0.0	7551061.119	481.8525	ng/ml		100
T AR1016 5	6.563	0.0	1549661.386	536.0368	ng/ml		100
T AR1016 5 #2	6.722	0.0	6325631.761	478.0814	ng/ml		100
T AR1260 1	8.343	0.0	3098781.980	541.7544	ng/ml		100
T AR1260 1 #2	8.913	0.0	13158956.798	436.8786	ng/ml		100
T AR1260 2	8.910	0.0	4814332.768	533.4281	ng/ml		100
T AR1260 2 #2	9.409	0.0	15653429.742	462.9313	ng/ml		100
T AR1260 3	9.510	0.0	5094387.544	539.1125	ng/ml		100
T AR1260 3 #2	10.055	0.0	20230612.123	465.0882	ng/ml		100
T AR1260 4	10.124	0.0	2923101.317	548.3336	ng/ml		100
T AR1260 4 #2	10.613	0.0	12196871.991	423.6665	ng/ml		100
T AR1260 5	10.939	0.0	3575691.206	541.7454	ng/ml		100
T AR1260 5 #2	11.341	0.0	19432860.878	452.4658	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

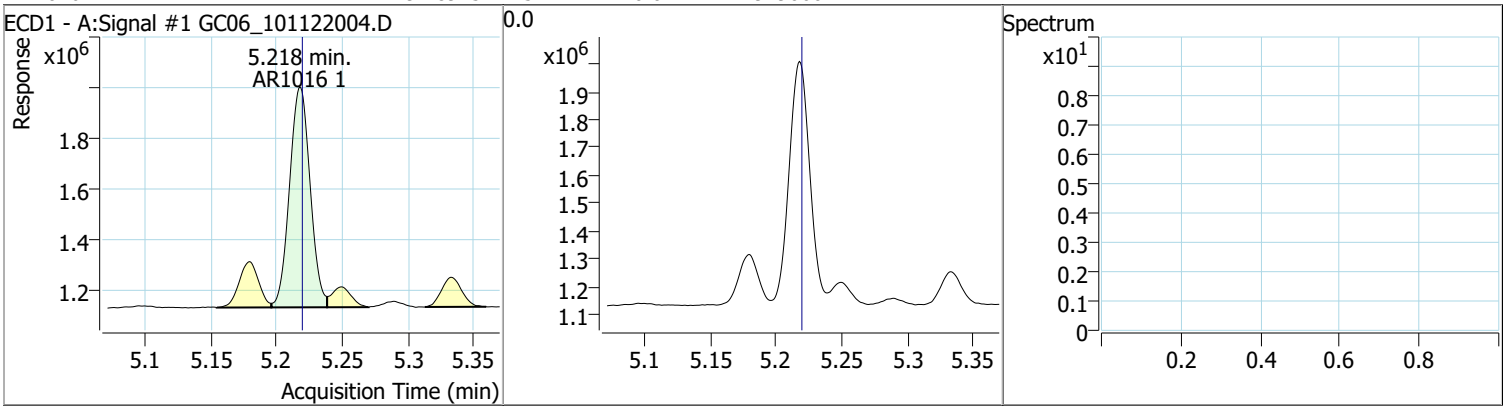
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.3275	4.80	0.00	15462902				



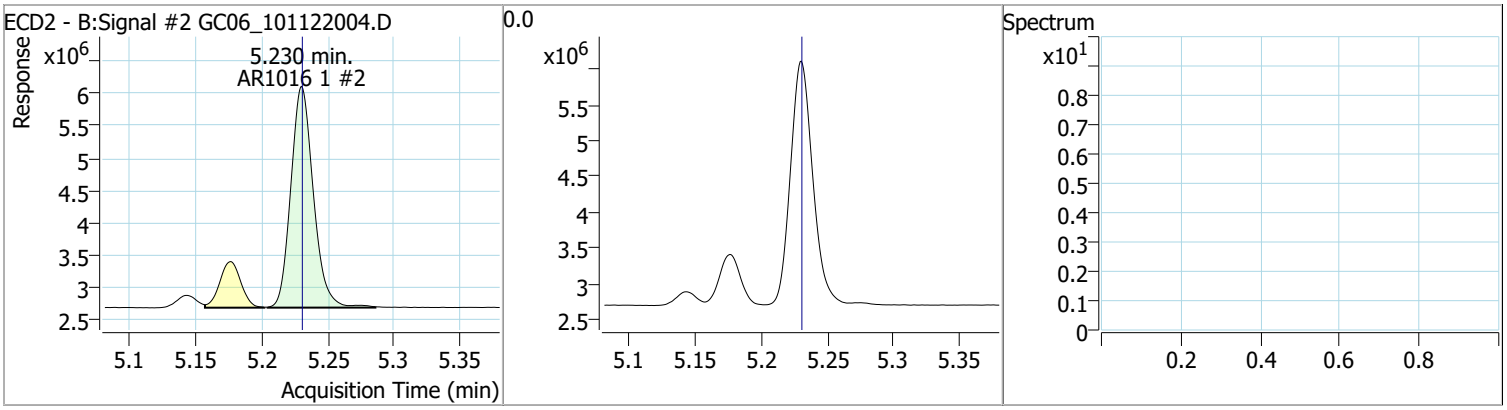
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.0445	4.88	-0.01	3523604				



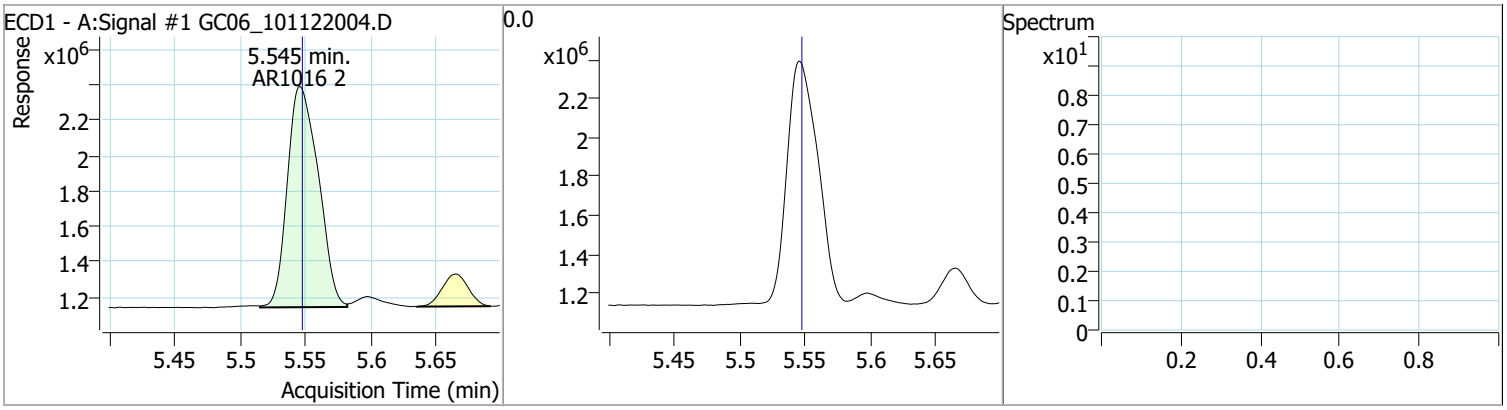
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	497.8975	5.22	-0.01	949060				



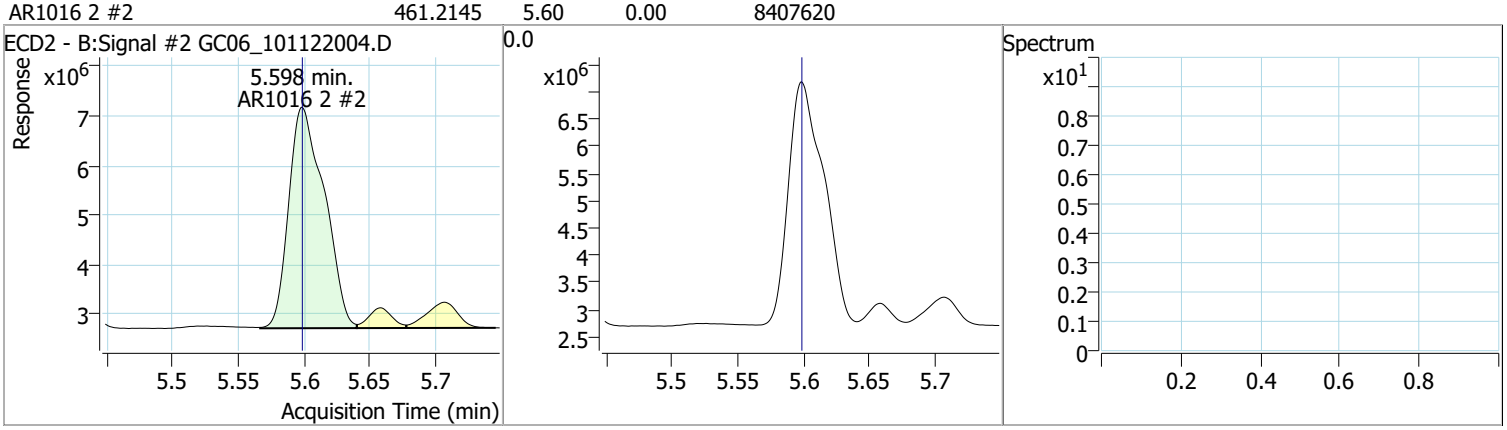
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	464.0700	5.23	0.00	4056164				



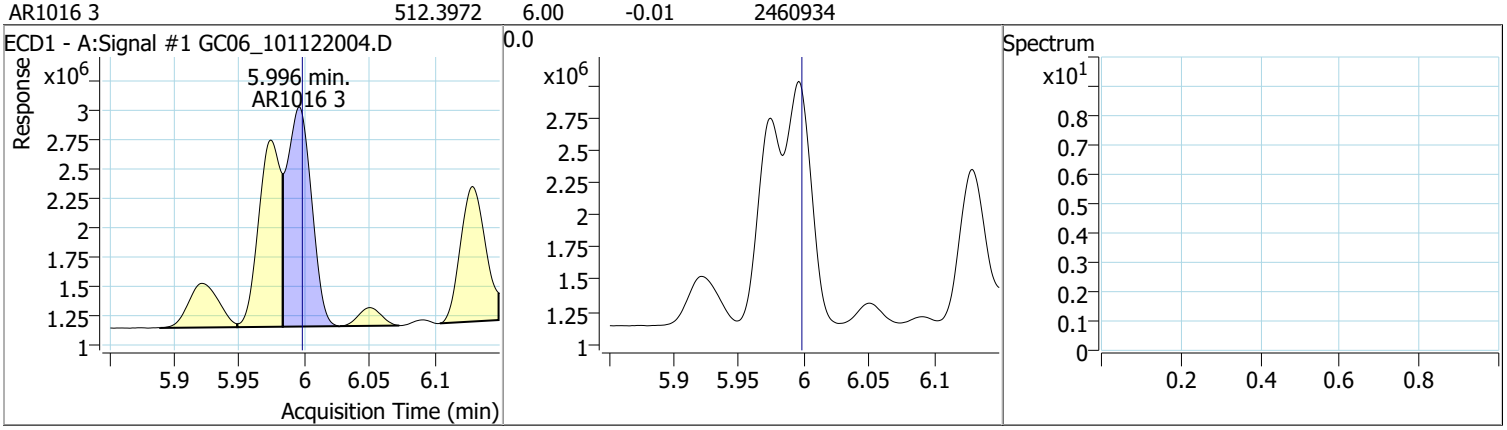
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	506.4520	5.55	-0.01	2063438				



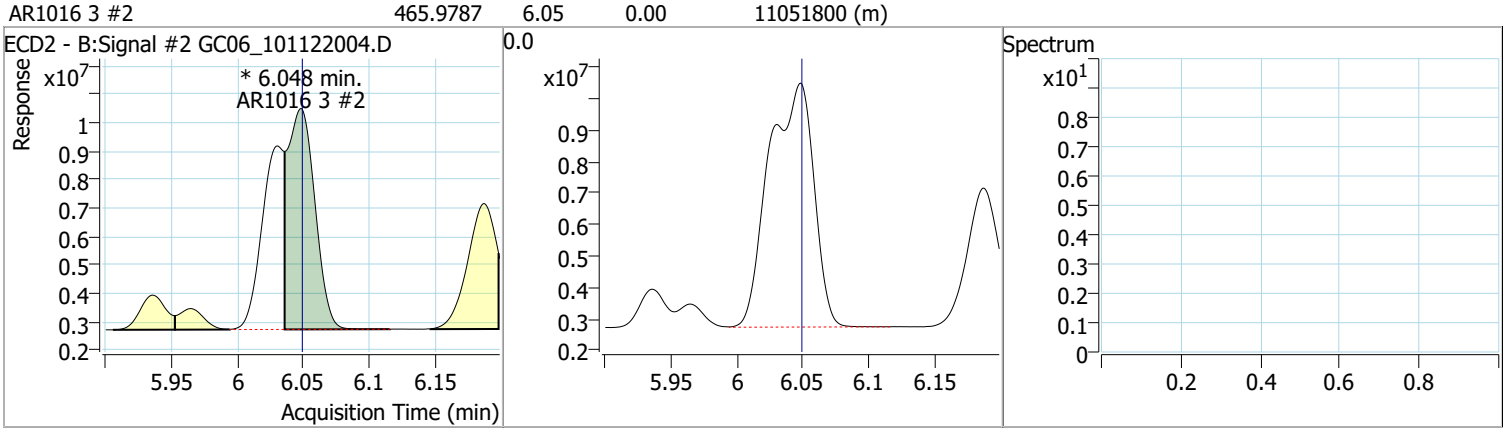
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	461.2145	5.60	0.00	8407620				



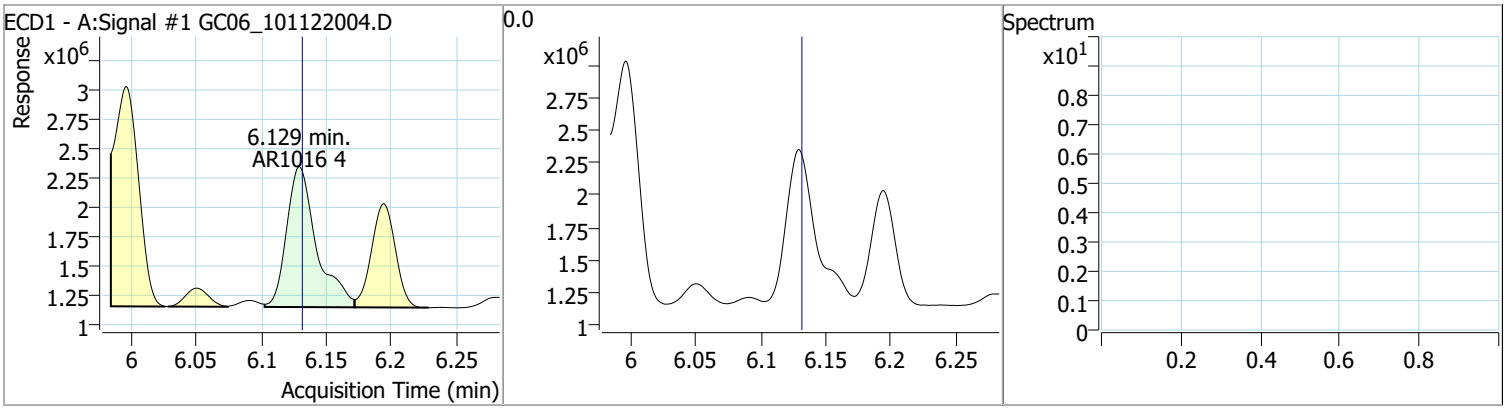
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	512.3972	6.00	-0.01	2460934				



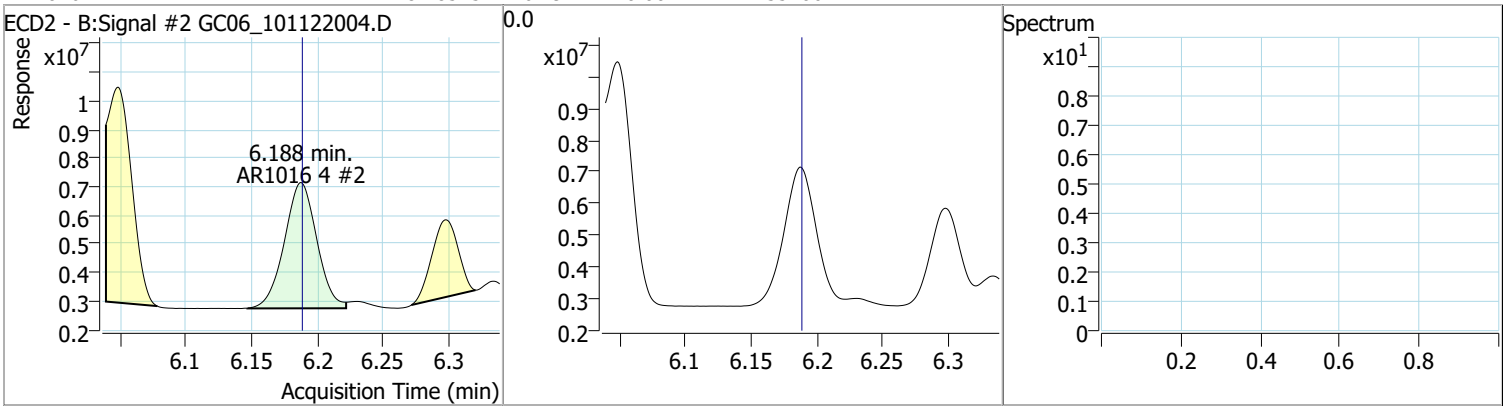
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	465.9787	6.05	0.00	11051800 (m)				



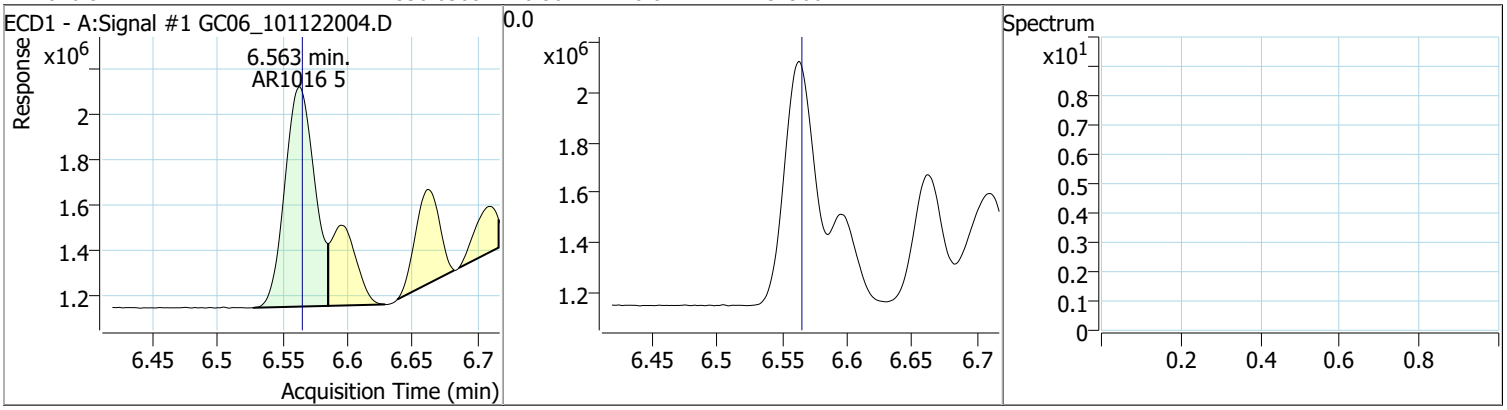
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	527.6545	6.13	-0.01	1907458				



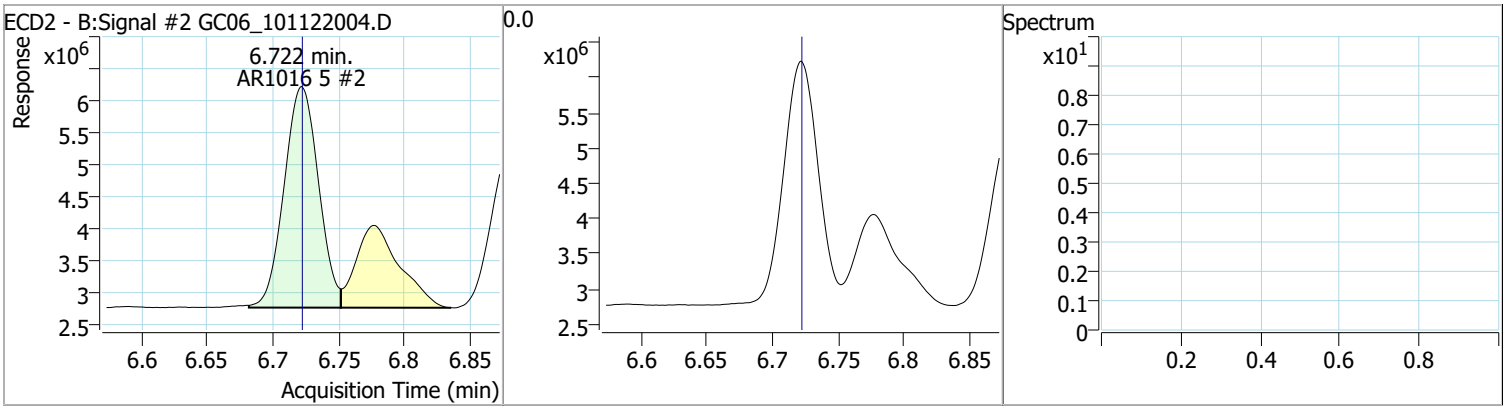
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AR1016 4 #2	481.8525	6.19	0.00	7551061				



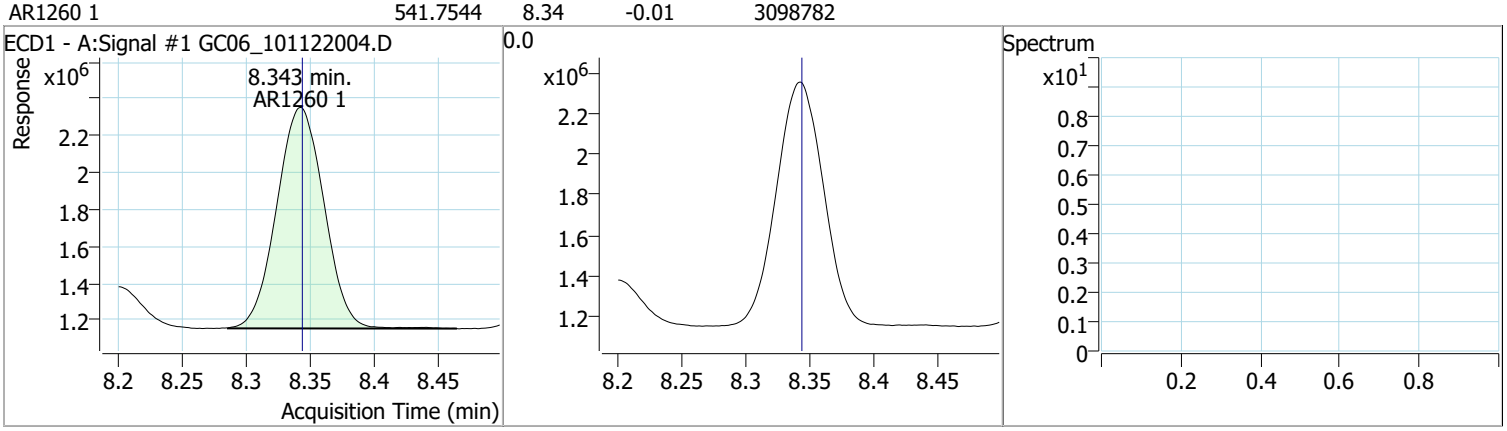
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	536.0368	6.56	-0.01	1549661				



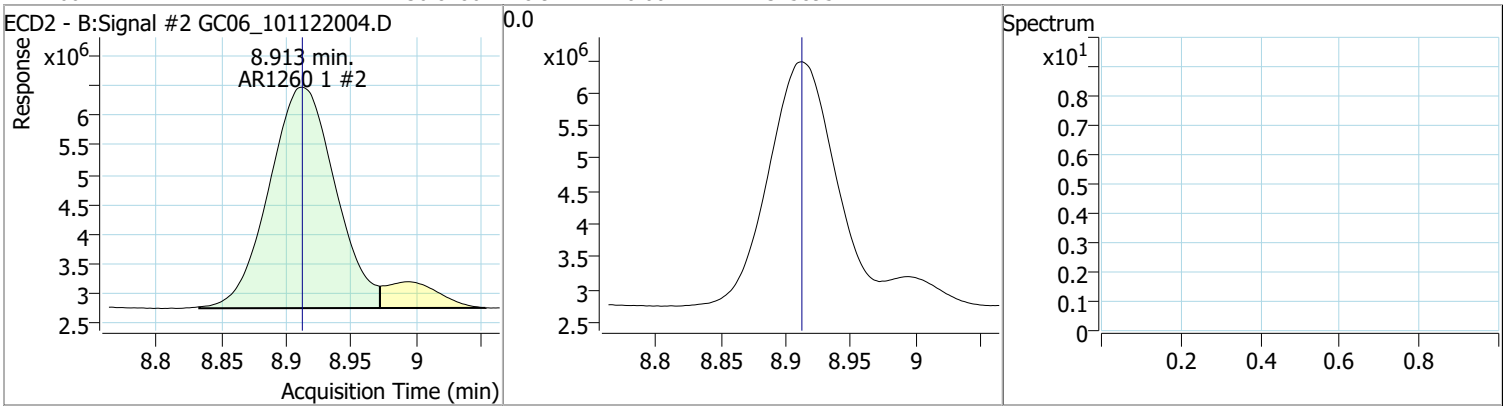
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	478.0814	6.72	0.00	6325632				



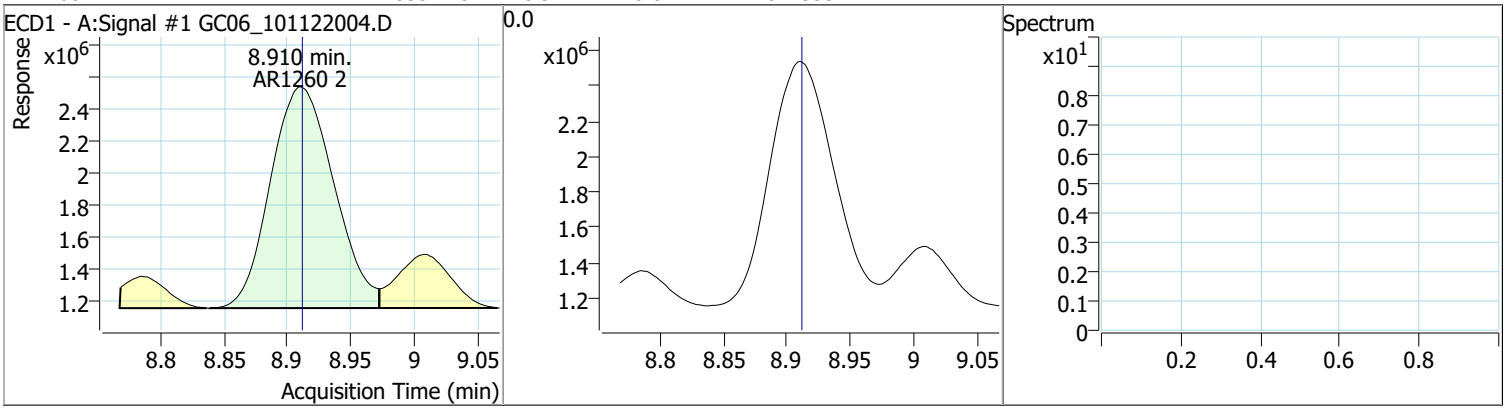
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	541.7544	8.34	-0.01	3098782				



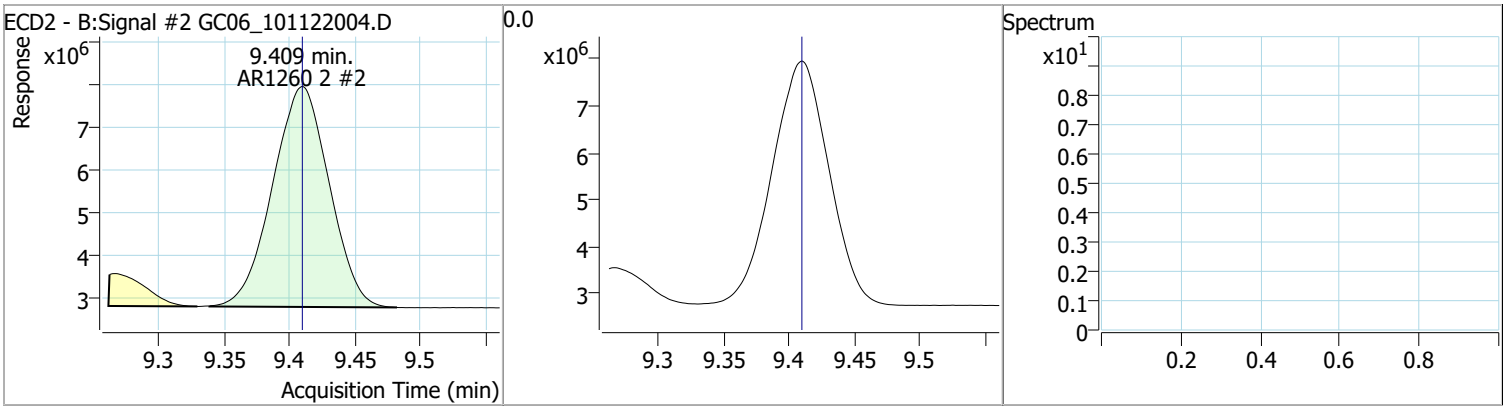
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	436.8786	8.91	0.00	13158957				



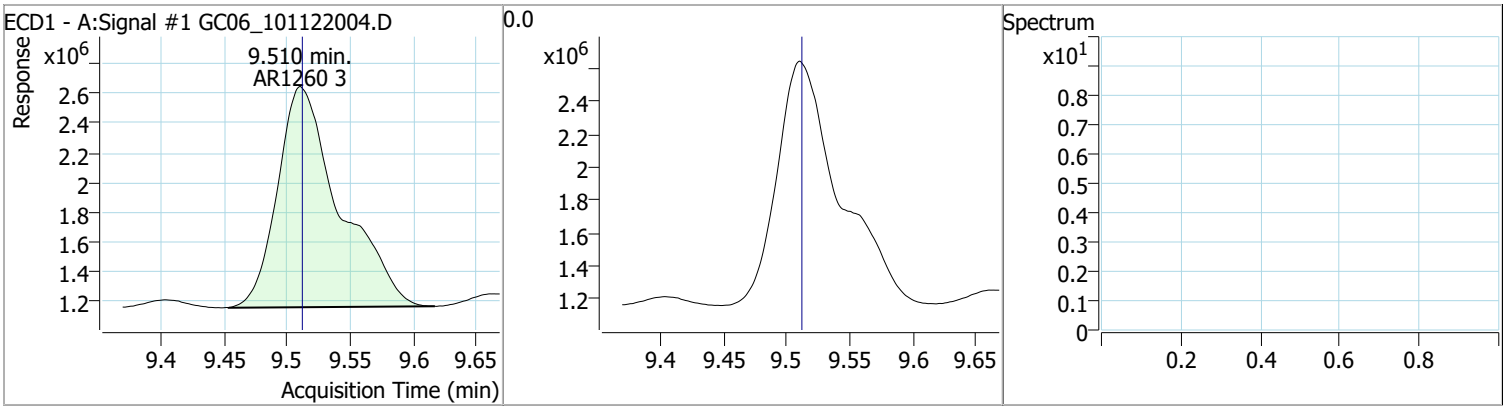
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	533.4281	8.91	-0.01	4814333				



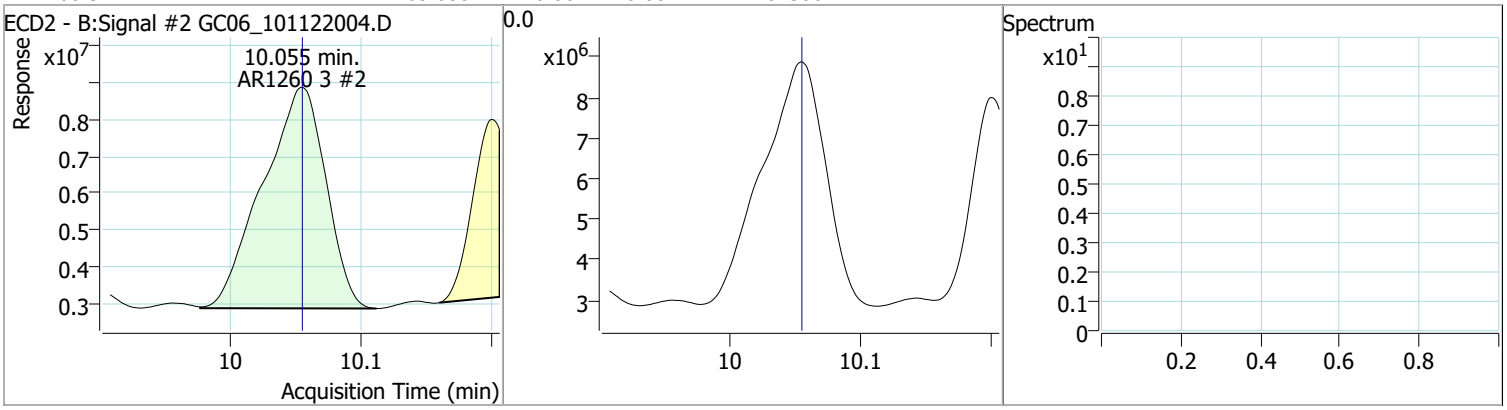
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	462.9313	9.41	0.00	15653430				



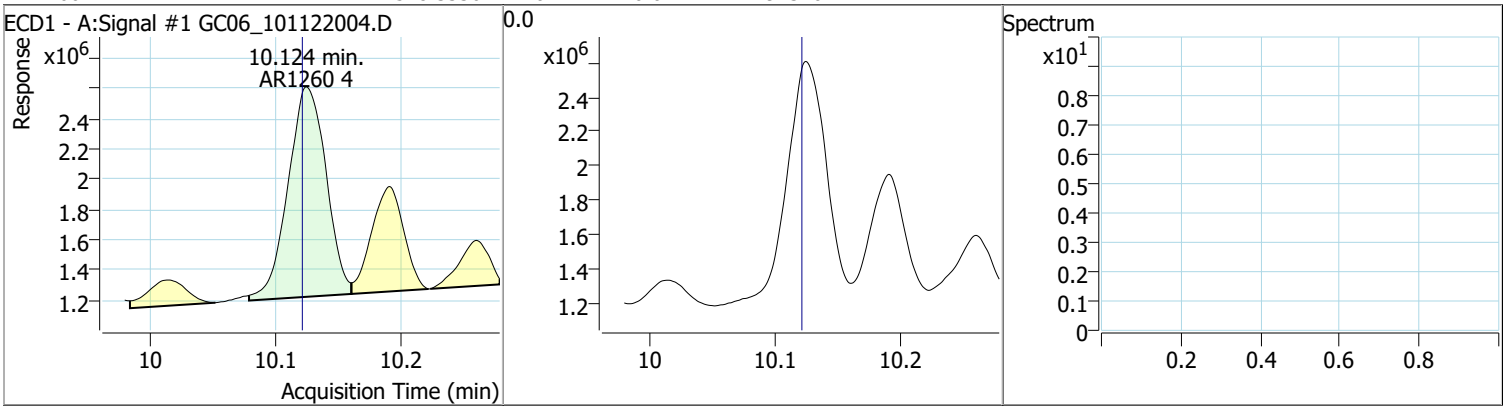
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	539.1125	9.51	-0.01	5094388				



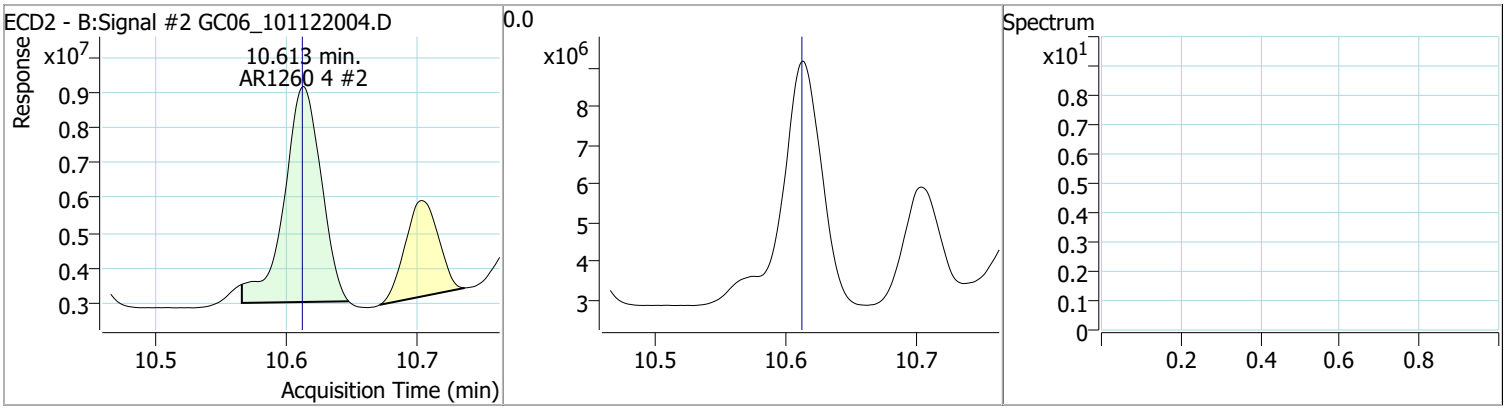
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	465.0882	10.06	0.00	20230612				



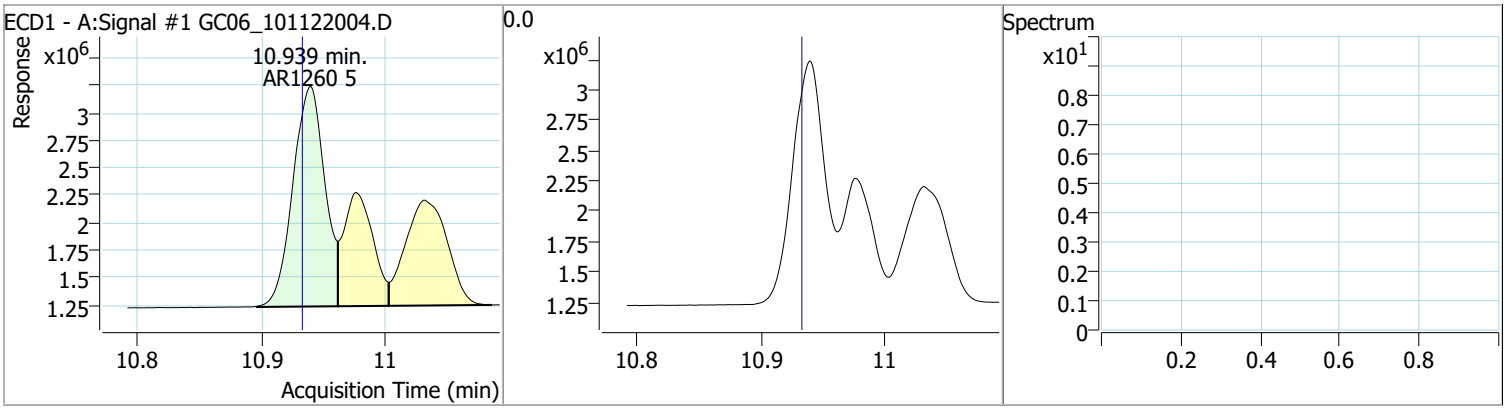
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	548.3336	10.12	-0.01	2923101				



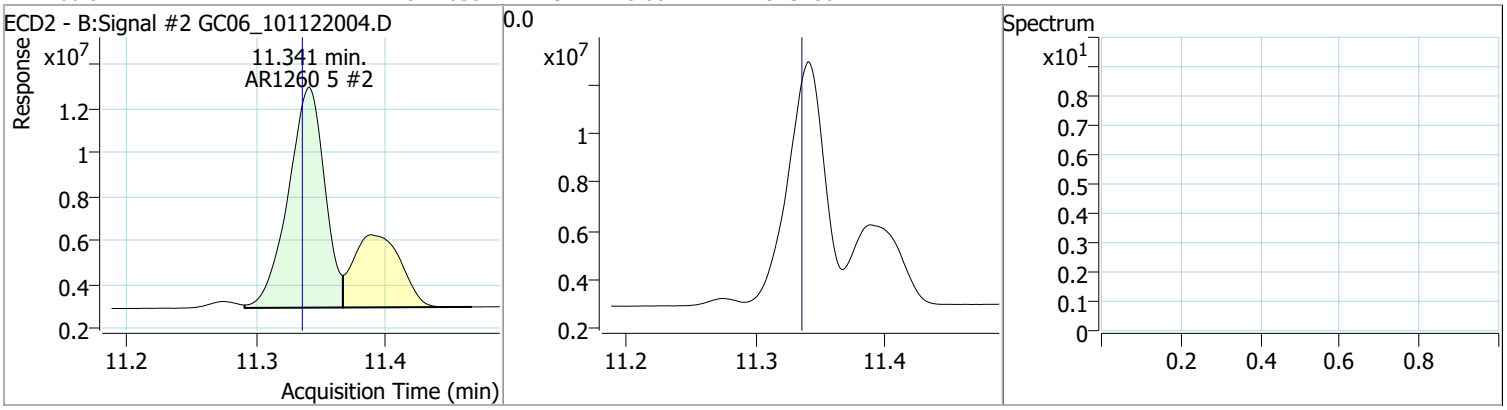
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	423.6665	10.61	0.00	12196872				



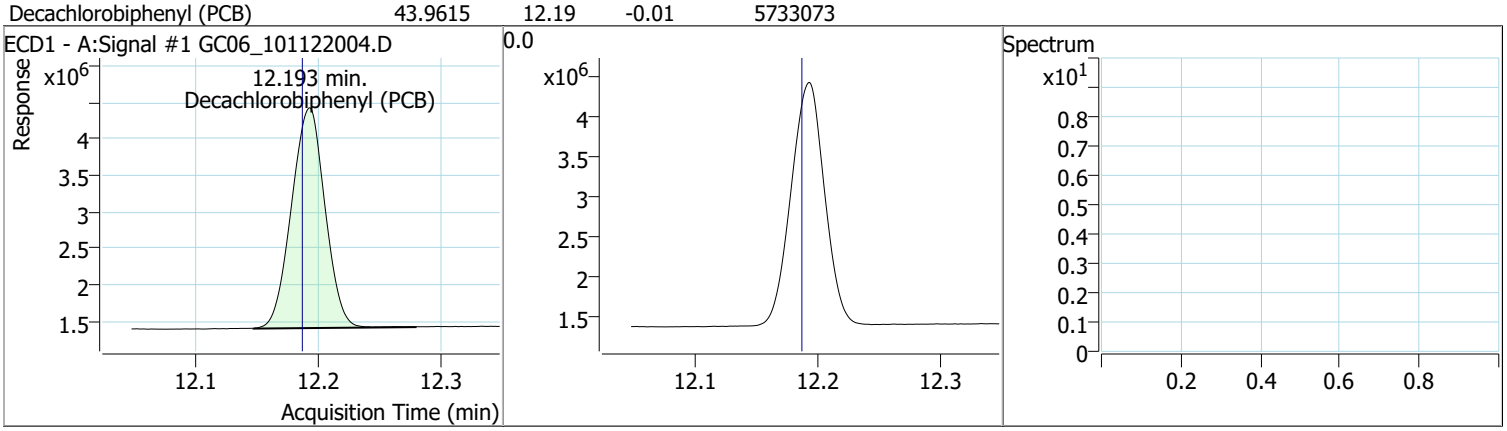
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	541.7454	10.94	-0.01	3575691				



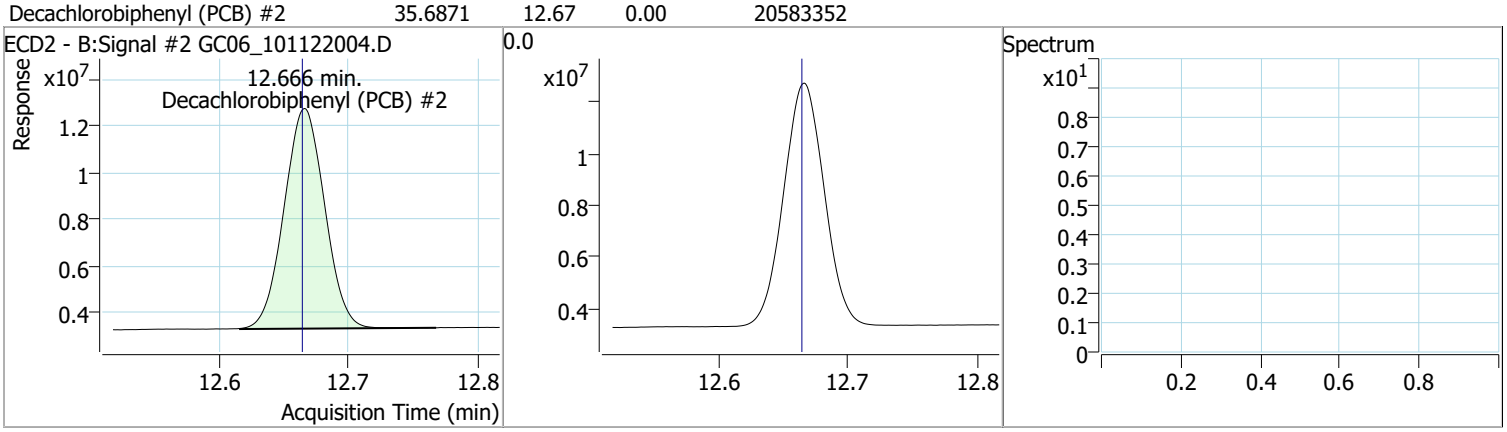
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	452.4658	11.34	0.00	19432861				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.9615	12.19	-0.01	5733073				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	35.6871	12.67	0.00	20583352				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 470417
Report Level: IV
Report Date: 01/12/2023

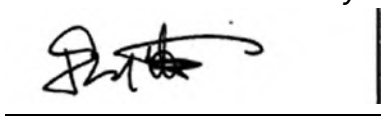
Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	470417
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/07/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1E-DG-1.5 TO 2-C1.3-DG-221007-L-LA	470417-002	10/07/22 07:48	Wipe
ARCH-C2E-EXT-1 TO 2-221007-L-WF	470417-004	10/07/22 07:27	Wipe
ARCH-C2E-DG-2 TO 2.5-DG-221007-L-FB	470417-006	10/07/22 08:03	Wipe
ARCH-C2E-DG-2 TO 2.5-DG-221007-L-DUP-FB	470417-007	10/07/22 08:03	Wipe
ARCH-C2E-DG-1 TO 1.5-UP-C2.6-HS-221007-L-LA	470417-009	10/07/22 08:23	Wipe

ENTHALPY ANALYTICAL

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 470417 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/07/22

This data package contains sample and QC results for five wipe samples, requested for the above referenced project on 10/10/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

~~480417~~
420417

J9

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	

Test Instructions / Comments:

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure B/C

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B							HOLD	
1	~~ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-2210 -P-~~	~~10/ /2022~~		~~WP~~	~~1~~		X									TS
2	~~ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-2210 -P-DUP-~~	~~10/ /2022~~		~~WP~~	~~1~~		X									TS
3	~~ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-2210 -L-~~	~~10/ /2022~~		~~WP~~	~~1~~			X								TS
4	~~ARCH-C2W-EXT-1 TO 2-2210 -P-~~	~~10/ /2022~~		~~WP~~	~~1~~		X									TS
5	~~ARCH-C2W-EXT-1 TO 2-2210 -L-~~	~~10/ /2022~~		~~WP~~	~~1~~			X								TS
6	~~ARCH-C2W-DG-1.5 TO 2-2210 -P-~~	~~10/ /2022~~		~~WP~~	~~1~~		X									TS
7	~~ARCH-C2W-DG-1.5 TO 2-2210 -L-~~	~~10/ /2022~~		~~WP~~	~~1~~			X								TS
8	~~ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-2210 -P-~~	~~10/ /2022~~		~~WP~~	~~1~~		X									TS
9	~~ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-2210 -L-~~	~~10/ /2022~~		~~WP~~	~~1~~			X								TS
10	~~ARCH-C2W-DG-2 TO 2.5-UP-C2.4 HS-2210 -P-~~	~~10/ /2022~~		~~WP~~	~~1~~		X									TS
11	~~ARCH-C2W-DG-2 TO 2.5-UP-C2.4 HS-2210 -L-~~	~~10/ /2022~~		~~WP~~	~~1~~			X								TS
12	~~ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-2210 -P-~~	~~10/ /2022~~		~~WP~~	~~1~~		X									TS
13	ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-2210 -L-	10/ /2022		WP	1			X								
14	ARCH-C1E-DG-~~1 TO 1.5~~-UP-~~C1.1~~-DG-2210 1.5to2-01 -P- LA	10/07/2022	0740	WP	1		X									
15	ARCH-C1E-DG-~~1 TO 1.5~~-UP-~~C1.1~~-DG-2210 1.5to2-01 -L- LA	10/07/2022	0740	WP	1			X								

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon Env Scientist	10/7/22 @ 1355
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/7/22 @ 13:55
2 Relinquished By:	Audrey Hudson	"	"	10/7/22 @ 15:30
2 Received By:		Maureen Kelly	BL	10/7/22 1530
3 Relinquished By:		Maureen Kelly	BL	10/7/22 1620
3 Received By:		Elizabeth Ramos	EA - Orange	10/8/22 10:17

470 417

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Chain of Custody Record — COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK&RG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	ARCH-C2E-EXT-1 TO 2-221007-P-WF	10/07/2022	0717	WP	1		X		
17	ARCH-C2E-EXT-1 TO 2-221007-L-WF	10/07/2022	0717	WP	1			X	
18	ARCH-C2E-DG-~~1.5 TO 2~~-DG-221007-P-FB (21025)	10/07/2022	0803	WP	1		X		
19	ARCH-C2E-DG-~~1.5 TO 2~~-DG-221007-L-FB (21025)	10/07/2022	0803	WP	1			X	
20	ARCH-C2E-DG-~~1.5 TO 2~~-DG-221007-L-DUP-FB (21025)	10/07/2022	0803	WP	1			X	
21	ARCH-C2E-DG-1 TO 1.5-UP-C2.6-DG-221007-P-LA (HS)	10/07/2022	0823	WP	1		X		
22	ARCH-C2E-DG-1 TO 1.5-UP-C2.6-DG-221007-L-LA (HS)	10/07/2022	0823	WP	1			X	
23									
24									
25									
26									
27									
28									
29									
30									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure B/C

2xRivet Type 2 = 0.0200 ft²

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/Env Scientist	10/7/22 @1855
[1] Received By:	Audrey Hudson	Audrey Hudson	EW/THUP	10/7/22 @ 13:55
[2] Relinquished By:	Audrey Hudson	"	"	10/7/22 15:30
[2] Received By:				10/7/22 15:30
[3] Relinquished By:				10/7/22 16:28
[3] Received By:		Elizabeth Nam	EA - Orange	10/8/22 10:17

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 470417 Client: Ramon

Date Received: 10/7/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 10/7/22 By (print) MM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?		✓	
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: Sample ID for COC & COC does not match COC

Date Logged in 10/7/22 **By (print)** MM **(sign)** _____

Date Labeled 10/7/22 **By (print)** MM **(sign)** _____

470417

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 10/08/2022 Sampler's Name Present: ☐ Yes ☑ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: SDS 557937309

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.9 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 10/08/22

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 470417 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1E-DG-1.5 TO 2-C1.3-DG-221007-L-LA **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470417-002 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Diln Fac: 1.000 **Analyzed:** 10/11/22

470417-002 Analyte	Result	RL	Units
Lead	**370**	0.50	ug/ft2

Field ID: ARCH-C2E-EXT-1 TO 2-221007-L-WF **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470417-004 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Diln Fac: 1.000 **Analyzed:** 10/11/22

470417-004 Analyte	Result	RL	Units
Lead	**250**	0.50	ug/ft2

Field ID: ARCH-C2E-DG-2 TO 2.5-DG-221007-L-FB **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470417-006 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Diln Fac: 1.000 **Analyzed:** 10/11/22

470417-006 Analyte	Result	RL	Units
Lead	**250**	0.50	ug/ft2

Field ID: ARCH-C2E-DG-2 TO 2.5-DG-221007-L-DUP-FB **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470417-007 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Diln Fac: 1.000 **Analyzed:** 10/11/22

470417-007 Analyte	Result	RL	Units
Lead	**250**	0.50	ug/ft2

Field ID: ARCH-C2E-DG-1 TO 1.5-UP-C2.6-HS-221007-L-LA **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470417-009 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Diln Fac: 1.000 **Analyzed:** 10/11/22

470417-009 Analyte	Result	RL	Units
Lead	**250**	0.49	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 470417 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type:	BLANK	**Batch#:**	298645	**Analysis:**	EPA 6010B
Lab ID:	QC1018084	**Prepared:**	10/11/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	10/11/22		
DiIn Fac:	1.000	**Prep:**	EPA 3050B		

QC1018084 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 470417 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298645 **Analysis:** EPA 6010B

Lab ID: QC1018085 **Prepared:** 10/11/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/11/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1018085 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	108.5	109	80-120	ug/ft2

Type: BSD **Batch#:** 298645 **Analysis:** EPA 6010B

Lab ID: QC1018086 **Prepared:** 10/11/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/11/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1018086 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	108.0	108	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 470417 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
470417-002	MET06	10/11/22 12:50	1.0	+	
470417-004	MET06	10/11/22 12:53	1.0	+	
470417-006	MET06	10/11/22 12:56	1.0	+	
470417-007	MET06	10/11/22 12:59	1.0	+	
470417-009	MET06	10/11/22 13:03	1.0	+	
QC1018084	MET06	10/11/22 12:33	1.0	+	
QC1018085	MET06	10/11/22 12:43	1.0	+	
QC1018086	MET06	10/11/22 12:46	1.0	+	

Enthalpy Sequence Summary for Sequence 482409496

Instrument : MET06 Begun : 10/11/22 08:56
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			10/11/22 08:56	1.0	1	
002	met06_master	ICAL	L1			10/11/22 08:59	1.0	2 1	
003	met06_master	ICAL	L2			10/11/22 09:03	1.0	3 1	
004	met06_master	ICAL	L3			10/11/22 09:06	1.0	4 1	
005	met06_master	ICAL	L4			10/11/22 09:09	1.0	5 1	
006	met06_master	ICAL	L5			10/11/22 09:12	1.0	6 1	
007	met06_master	ICAL	L6			10/11/22 09:16	1.0	7 1	
008	met06_master	ICAL	L7			10/11/22 09:19	1.0	8 1	
009	met06_master	ICAL	L8			10/11/22 09:22	1.0	9 1	
010	met06_master	ICV				10/11/22 09:26	1.0	10 1	
011	met06_master	XCRI				10/11/22 09:29	1.0	11 1	
012	met06_master	ICB				10/11/22 09:32	1.0	1	
013	met06_master	CRI				10/11/22 09:41	1.0	11 1	
014	met06_master	ICSA				10/11/22 09:44	1.0	12 1	4:MGASMGCO3=1500
015	met06_master	ICSAB				10/11/22 09:47	1.0	13 1	4:MGASMGCO3=1400
016	met06_master	SAMPLE	470106-001	Soil	298283	10/11/22 09:51	1.0	1	2:FE=170
017	met06_master	SAMPLE	470114-001	Miscell.	298283	10/11/22 09:54	1.0	1	2:CA=1600
018	met06_master	SAMPLE	470291-001	Water	298563	10/11/22 09:57	1.0	1	
019	met06_master	CCV				10/11/22 10:00	1.0	10 1	
020	met06_master	CCB				10/11/22 10:04	1.0	1	
021	met06_master	BLANK	QC1017820	Soil	298567	10/11/22 10:15	1.0	1	
022	met06_master	LCS	QC1017821	Soil	298567	10/11/22 10:18	1.0	1	
023	met06_master	SAMPLE	470098-040	Soil	298567	10/11/22 10:21	1.0	1	
024	met06_master	MSS	470175-001	Soil	298567	10/11/22 10:25	1.0	1	
025	met06_master	MS	QC1017822	Soil	298567	10/11/22 10:28	1.0	1	
026	met06_master	CCV				10/11/22 10:35	1.0	10 1	
027	met06_master	CCB				10/11/22 10:38	1.0	1	
028	met06_master	BLANK	QC1017820	Soil	298567	10/11/22 10:41	1.0	1	
029	met06_master	LCS	QC1017821	Soil	298567	10/11/22 10:45	1.0	1	
030	met06_master	SAMPLE	470098-040	Soil	298567	10/11/22 10:48	1.0	1	1:FE=250
031	met06_master	MSS	470175-001	Soil	298567	10/11/22 10:51	1.0	1	4:ALASAL2O3=280
032	met06_master	MS	QC1017822	Soil	298567	10/11/22 10:54	1.0	1	4:ALASAL2O3=300
033	met06_master	MSD	QC1017823	Soil	298567	10/11/22 10:58	1.0	1	4:ALASAL2O3=300
034	met06_master	PDS	QC1017824	Soil	298567	10/11/22 11:01	1.0	1	2:FE=180
035	met06_master	SAMPLE	470175-006	Soil	298567	10/11/22 11:04	1.0	1	2:FE=210
036	met06_master	SAMPLE	470175-012	Soil	298567	10/11/22 11:08	1.0	1	1:TI=13
037	met06_master	SAMPLE	470175-018	Soil	298567	10/11/22 11:11	1.0	1	2:FE=160
038	met06_master	CCV				10/11/22 11:14	1.0	10 1	
039	met06_master	CCB				10/11/22 11:17	1.0	1	
040	met06_master	SAMPLE	470175-024	Soil	298567	10/11/22 11:21	1.0	1	2:FE=190
041	met06_master	SAMPLE	470175-028	Soil	298567	10/11/22 11:24	1.0	1	2:FE=180
042	met06_master	SAMPLE	470175-036	Soil	298567	10/11/22 11:27	1.0	1	2:FE=180
043	met06_master	SAMPLE	470175-040	Soil	298567	10/11/22 11:30	1.0	1	1:TI=12
044	met06_master	SAMPLE	470175-046	Soil	298567	10/11/22 11:34	1.0	1	2:FE=170
045	met06_master	SAMPLE	470175-052	Soil	298567	10/11/22 11:37	1.0	1	1:TI=11
046	met06_master	SAMPLE	470175-058	Soil	298567	10/11/22 11:40	1.0	1	1:TI=11
047	met06_master	SAMPLE	470175-065	Soil	298567	10/11/22 11:43	1.0	1	3:FE=180
048	met06_master	SAMPLE	470175-070	Soil	298567	10/11/22 11:47	1.0	1	2:FE=180
049	met06_master	SAMPLE	470175-075	Soil	298567	10/11/22 11:50	1.0	1	2:FE=190
050	met06_master	CCV				10/11/22 11:53	1.0	10 1	
051	met06_master	CCB				10/11/22 11:56	1.0	1	
052	met06_master	SAMPLE	470175-081	Soil	298567	10/11/22 12:00	1.0	1	2:FE=170

Enthalpy Sequence Summary for Sequence 482409496

Instrument : MET06 Begun : 10/11/22 08:56
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	470175-087	Soil	298567	10/11/22 12:04	1.0	1	1:TI=11
054	met06_master	BLANK	QC1018087	Wipe	298646	10/11/22 12:07	1.0	1	
055	met06_master	BS	QC1018088	Wipe	298646	10/11/22 12:10	1.0	1	
056	met06_master	XBSD	QC1018089	Wipe	298646	10/11/22 12:13	1.0	1	
057	met06_master	XSAMPLE	470422-032	Wipe	298646	10/11/22 12:17	1.0	1	
058	met06_master	XBLANK	QC1018084	Wipe	298645	10/11/22 12:20	1.0	1	1:MGASMGCO3=1300
059	met06_master	BSD	QC1018089	Wipe	298646	10/11/22 12:27	1.0	1	
060	met06_master	SAMPLE	470422-032	Wipe	298646	10/11/22 12:30	1.0	1	
061	met06_master	BLANK	QC1018084	Wipe	298645	10/11/22 12:33	1.0	1	
062	met06_master	CCV				10/11/22 12:37	1.0	10 1	
063	met06_master	CCB				10/11/22 12:40	1.0	1	
064	met06_master	BS	QC1018085	Wipe	298645	10/11/22 12:43	1.0	1	
065	met06_master	BSD	QC1018086	Wipe	298645	10/11/22 12:46	1.0	1	
066	met06_master	SAMPLE	470417-002	Wipe	298645	10/11/22 12:50	1.0	1	
067	met06_master	SAMPLE	470417-004	Wipe	298645	10/11/22 12:53	1.0	1	
068	met06_master	SAMPLE	470417-006	Wipe	298645	10/11/22 12:56	1.0	1	
069	met06_master	SAMPLE	470417-007	Wipe	298645	10/11/22 12:59	1.0	1	
070	met06_master	SAMPLE	470417-009	Wipe	298645	10/11/22 13:03	1.0	1	
071	met06_master	SAMPLE	470422-003	Wipe	298645	10/11/22 13:06	1.0	1	
072	met06_master	SAMPLE	470422-005	Wipe	298645	10/11/22 13:09	1.0	1	
073	met06_master	SAMPLE	470422-007	Wipe	298645	10/11/22 13:12	1.0	1	
074	met06_master	CCV				10/11/22 13:16	1.0	10 1	
075	met06_master	CCB				10/11/22 13:19	1.0	1	
076	met06_master	SAMPLE	470422-009	Wipe	298645	10/11/22 13:22	1.0	1	
077	met06_master	SAMPLE	470422-011	Wipe	298645	10/11/22 13:25	1.0	1	
078	met06_master	SAMPLE	470422-013	Wipe	298645	10/11/22 13:29	1.0	1	
079	met06_master	SAMPLE	470422-015	Wipe	298645	10/11/22 13:32	1.0	1	
080	met06_master	SAMPLE	470422-018	Wipe	298645	10/11/22 13:35	1.0	1	
081	met06_master	SAMPLE	470422-020	Wipe	298645	10/11/22 13:38	1.0	1	
082	met06_master	SAMPLE	470422-022	Wipe	298645	10/11/22 13:42	1.0	1	
083	met06_master	SAMPLE	470422-024	Wipe	298645	10/11/22 13:45	1.0	1	
084	met06_master	SAMPLE	470422-026	Wipe	298645	10/11/22 13:48	1.0	1	
085	met06_master	SAMPLE	470422-028	Wipe	298645	10/11/22 13:51	1.0	1	
086	met06_master	CCV				10/11/22 13:55	1.0	10 1	
087	met06_master	CCB				10/11/22 13:58	1.0	1	
088	met06_master	SAMPLE	470422-029	Wipe	298645	10/11/22 14:01	1.0	1	
089	met06_master	SAMPLE	470422-031	Wipe	298645	10/11/22 14:04	1.0	1	
090	met06_master	CCV				10/11/22 14:08	1.0	10 1	
091	met06_master	CCB				10/11/22 14:11	1.0	1	
092	met06_master	BLANK	QC1017849	Soil	298573	10/11/22 14:15	1.0	1	
093	met06_master	LCS	QC1017850	Soil	298573	10/11/22 14:18	1.0	1	
094	met06_master	SAMPLE	470098-005	Soil	298573	10/11/22 14:21	1.0	1	2:FE=180
095	met06_master	SAMPLE	470098-010	Soil	298573	10/11/22 14:24	1.0	1	2:FE=210
096	met06_master	SAMPLE	470098-015	Soil	298573	10/11/22 14:28	1.0	1	1:FE=240
097	met06_master	SAMPLE	470098-020	Soil	298573	10/11/22 14:31	1.0	1	1:FE=210
098	met06_master	SAMPLE	470098-025	Soil	298573	10/11/22 14:34	1.0	1	1:FE=200
099	met06_master	SAMPLE	470098-030	Soil	298573	10/11/22 14:37	1.0	1	1:FE=170
100	met06_master	SAMPLE	470098-035	Soil	298573	10/11/22 14:40	1.0	1	1:FE=220
101	met06_master	MSS	470226-003	Soil	298573	10/11/22 14:44	1.0	1	3:FEASFE2O3=190
102	met06_master	CCV				10/11/22 14:47	1.0	10 1	
103	met06_master	CCB				10/11/22 14:50	1.0	1	
104	met06_master	MS	QC1017851	Soil	298573	10/11/22 14:53	1.0	1	3:ALASAL2O3=220

Enthalpy Sequence Summary for Sequence 482409496

Instrument : MET06 Begun : 10/11/22 08:56
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	MSD	QC1017852	Soil	298573	10/11/22 14:57	1.0	1	3:FEASFE2O3=200
106	met06_master	PDS	QC1017853	Soil	298573	10/11/22 15:00	1.0	1	1:P=11
107	met06_master	SAMPLE	470275-013	Soil	298573	10/11/22 15:03	1.0	1	2:SULFUR=160
108	met06_master	SAMPLE	470275-014	Soil	298573	10/11/22 15:06	1.0	1	4:SULFUR=200
109	met06_master	SAMPLE	470275-015	Soil	298573	10/11/22 15:10	1.0	1	4:SULFUR=200
110	met06_master	SAMPLE	470275-016	Soil	298573	10/11/22 15:13	1.0	1	2:SULFUR=180
111	met06_master	SAMPLE	470275-017	Soil	298573	10/11/22 15:16	1.0	1	3:SULFUR=210
112	met06_master	SAMPLE	470275-018	Soil	298573	10/11/22 15:19	1.0	1	2:SULFUR=210
113	met06_master	SAMPLE	470275-019	Soil	298573	10/11/22 15:23	1.0	1	2:SULFUR=350
114	met06_master	CCV				10/11/22 15:26	1.0	10 1	
115	met06_master	CCB				10/11/22 15:29	1.0	1	
116	met06_master	BLANK	QC1018116	Soil	298654	10/11/22 15:33	1.0	1	
117	met06_master	LCS	QC1018117	Soil	298654	10/11/22 15:36	1.0	1	
118	met06_master	SAMPLE	469618-007	Soil	298654	10/11/22 15:39	1.0	1	
119	met06_master	SAMPLE	469618-013	Soil	298654	10/11/22 15:42	1.0	1	
120	met06_master	SAMPLE	469634-012	Soil	298654	10/11/22 15:46	1.0	1	1:FE=180
121	met06_master	SAMPLE	470293-003	Soil	298654	10/11/22 15:49	1.0	1	2:FE=170
122	met06_master	MSS	470369-001	Soil	298654	10/11/22 15:52	1.0	1	3:FEASFE2O3=280
123	met06_master	MS	QC1018118	Soil	298654	10/11/22 15:55	1.0	1	4:FEASFE2O3=280
124	met06_master	MSD	QC1018119	Soil	298654	10/11/22 15:59	1.0	1	4:FEASFE2O3=310

SBW 10/11/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 075.

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S17316 7=S17115 8=S17113 9=S17048 10=S17366 11=S17318 12=S17207 13=S17208

Enthalpy Internal Standard Summary for Sequence 482409496

Date : 10/11/22 Reference : met06_master
Sequence : MET06 10/11/22 Analyzed : 10/11/22 08:56

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	29012300	1403580	307858
		LOWER LIMIT	8703690	421074	92357
		UPPER LIMIT	58024600	2807160	615716
012	ICB		27722300	1384580	291527
014	ICSA		23181200	1229100	261023
015	ICSAB		23297300	1235510	264703
016	SAMPLE	470106-001	25222900	1335410	278782
017	SAMPLE	470114-001	22807100	1207640	266824
018	SAMPLE	470291-001	25722700	1355420	285492
019	CCV		24693000	1305050	273459
020	CCB		27679900	1388420	290665
026	CCV		24866200	1305840	275907
027	CCB		27906900	1366080	288057
028	BLANK	QC1017820	27885100	1369010	291229
029	LCS	QC1017821	27277400	1405740	282179
030	SAMPLE	470098-040	25893300	1358850	276398
031	MSS	470175-001	25691500	1346930	274341
032	MS	QC1017822	25440800	1336770	273038
033	MSD	QC1017823	25604800	1338160	274798
035	SAMPLE	470175-006	25582000	1338960	269294
036	SAMPLE	470175-012	26313000	1368500	279175
037	SAMPLE	470175-018	26193900	1360650	276013
038	CCV		24826900	1309950	267624
039	CCB		28171800	1371980	283205
040	SAMPLE	470175-024	25857600	1358640	275153
041	SAMPLE	470175-028	26006900	1357080	274966
042	SAMPLE	470175-036	25865100	1355320	274983
043	SAMPLE	470175-040	26205000	1364930	276194
044	SAMPLE	470175-046	26154300	1360580	280869
045	SAMPLE	470175-052	26285700	1365930	278413
046	SAMPLE	470175-058	26331700	1379050	279585
047	SAMPLE	470175-065	25728800	1338380	276892
048	SAMPLE	470175-070	26102200	1362980	276193
049	SAMPLE	470175-075	25953600	1358660	274556
050	CCV		25192300	1337780	270587
051	CCB		28205100	1389040	281551
052	SAMPLE	470175-081	26117300	1361050	275779
053	SAMPLE	470175-087	25962000	1365060	278582
054	BLANK	QC1018087	28528500	1387540	290226
055	BS	QC1018088	27709100	1374260	277591
059	BSD	QC1018089	27644300	1361530	288251
060	SAMPLE	470422-032	27692500	1362730	285970
061	BLANK	QC1018084	28247100	1394280	290076
062	CCV		24939900	1331500	267304
063	CCB		27616100	1379830	279094
064	BS	QC1018085	27585100	1361370	281008
065	BSD	QC1018086	27358600	1366240	283544
066	SAMPLE	470417-002	27199900	1404800	274811
067	SAMPLE	470417-004	27316100	1407540	277885
068	SAMPLE	470417-006	27330800	1406180	281016
069	SAMPLE	470417-007	27243900	1411550	278824

Enthalpy Internal Standard Summary for Sequence 482409496

Date : 10/11/22 Reference : met06_master
Sequence : MET06 10/11/22 Analyzed : 10/11/22 08:56

#	Type	Sample ID	Y H	Y A	Y R
070	SAMPLE	470417-009	27350200	1411180	279199
071	SAMPLE	470422-003	27545200	1393940	282744
072	SAMPLE	470422-005	27973900	1376480	286365
073	SAMPLE	470422-007	27503900	1370430	281537
074	CCV		24846300	1330990	266482
075	CCB		28044900	1378440	278693
076	SAMPLE	470422-009	27503500	1370210	281440
077	SAMPLE	470422-011	27221900	1391620	281563
078	SAMPLE	470422-013	27443600	1378150	279428
079	SAMPLE	470422-015	27385700	1356290	279623
080	SAMPLE	470422-018	27461400	1357060	280447
081	SAMPLE	470422-020	27411600	1370100	283470
082	SAMPLE	470422-022	27479800	1361800	281130
083	SAMPLE	470422-024	27416900	1392890	281701
084	SAMPLE	470422-026	27374600	1373230	285271
085	SAMPLE	470422-028	27486800	1365800	284933
086	CCV		24771700	1331050	268217
087	CCB		27902500	1391600	281285
088	SAMPLE	470422-029	27405000	1361300	282505
089	SAMPLE	470422-031	27676100	1376520	284494
090	CCV		24986100	1335340	265257
091	CCB		28129700	1401220	282700
092	BLANK	QC1017849	28281500	1397940	287320
093	LCS	QC1017850	27324800	1366680	284142
094	SAMPLE	470098-005	26691100	1373480	286661
095	SAMPLE	470098-010	26511800	1357040	279612
096	SAMPLE	470098-015	26238500	1367300	278978
097	SAMPLE	470098-020	26425900	1383670	281810
098	SAMPLE	470098-025	26601300	1369070	280964
099	SAMPLE	470098-030	26622400	1366850	276520
100	SAMPLE	470098-035	26472700	1383240	281561
101	MSS	470226-003	26109700	1372070	279320
102	CCV		25085200	1348480	270268
103	CCB		28166900	1404350	284259
104	MS	QC1017851	25848700	1359410	279745
105	MSD	QC1017852	25769100	1364850	279079
107	SAMPLE	470275-013	25587500	1401460	280321
108	SAMPLE	470275-014	25819100	1374770	284307
109	SAMPLE	470275-015	25451400	1350710	278451
110	SAMPLE	470275-016	25802000	1372570	281225
111	SAMPLE	470275-017	25723400	1364600	281331
112	SAMPLE	470275-018	25572600	1348000	280403
113	SAMPLE	470275-019	25223900	1340890	276889
114	CCV		25226600	1361910	271992
115	CCB		28301400	1408970	291031
116	BLANK	QC1018116	28555500	1426280	294076
117	LCS	QC1018117	27893600	1395540	289262
118	SAMPLE	469618-007	26998000	1368830	286034
119	SAMPLE	469618-013	27216800	1377320	290012
120	SAMPLE	469634-012	26341800	1379260	286509
121	SAMPLE	470293-003	25283100	1335730	277194
122	MSS	470369-001	25628200	1357930	282535

Enthalpy Internal Standard Summary for Sequence 482409496

Date : 10/11/22 Reference : met06_master
Sequence : MET06 10/11/22 Analyzed : 10/11/22 08:56

#	Type	Sample ID	Y H	Y A	Y R
123	MS	QC1018118	26444600	1359190	288726
124	MSD	QC1018119	26345500	1358000	286301

ENTHALPY INITIAL CALIBRATION FOR 470417 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482409496001	Date:	11-OCT-2022 08:56
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482409496002	L1	11-OCT-2022 08:59	S17110, S13369 (100X)
L2	met06_master	482409496003	L2	11-OCT-2022 09:03	S17109, S13369 (100X)
L3	met06_master	482409496004	L3	11-OCT-2022 09:06	S17108, S13369 (100X)
L4	met06_master	482409496005	L4	11-OCT-2022 09:09	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0266	0.0393	0.0383	0.0361	WB1K	-0.0002	27.6865		0.0351	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**-31**	0.1000	9	1.0000	6	10.000	0

SBW 10/11/22 : Al low std out

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482409496001 Cal Date : 11-OCT-2022

ICV 482409496010 (11-OCT-2022) stds: S17366, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9422	mg/l	-6	

ENTHALPY INSTRUMENT BLANK FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496012 File : met06_master Time : 11-OCT-2022 09:32
Cal : 482409496001 Caldate : 11-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	27722300	-4.45
Yttrium	A	1403580	1384580	-1.35
Yttrium	R	307858	291527	-5.30

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496014 File : met06_master Time : 11-OCT-2022 09:44
Cal : 482409496001 Caldate : 11-OCT-2022
Standards: S17207, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.009946]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	135.4	mg/l	85	
Aluminum	R	400.0	373.8	mg/l	93	
Calcium	R	400.0	395.9	mg/l	99	
Magnesium	R	400.0	419.5	mg/l	105	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	23181200	-20.10
Yttrium	A	1403580	1229100	-12.43
Yttrium	R	307858	261023	-15.21

-=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496015 File : met06_master Time : 11-OCT-2022 09:47
Cal : 482409496001 Caldate : 11-OCT-2022
Standards: S17208, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9353	mg/l	-6	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	23297300	-19.70
Yttrium	A	1403580	1235510	-11.97
Yttrium	R	307858	264703	-14.02

ENTHALPY CONTINUING CALIBRATION FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496050 File : met06_master Time : 11-OCT-2022 11:53
Cal : 482409496001 Caldate : 11-OCT-2022
Standards: S17366, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0351	0.0351	1.000	0.9718	mg/l	-3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	25192300	-13.17
Yttrium	A	1403580	1337780	-4.69
Yttrium	R	307858	270587	-12.11

ENTHALPY INSTRUMENT BLANK FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496051 File : met06_master Time : 11-OCT-2022 11:56
Cal : 482409496001 Caldate : 11-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	28205100	-2.78
Yttrium	A	1403580	1389040	-1.04
Yttrium	R	307858	281551	-8.55

ENTHALPY CONTINUING CALIBRATION FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496062 File : met06_master Time : 11-OCT-2022 12:37
Cal : 482409496001 Caldate : 11-OCT-2022
Standards: S17366, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0351	0.0355	1.000	0.9836	mg/l	-2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	24939900	-14.04
Yttrium	A	1403580	1331500	-5.14
Yttrium	R	307858	267304	-13.17

ENTHALPY INSTRUMENT BLANK FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496063 File : met06_master Time : 11-OCT-2022 12:40
Cal : 482409496001 Caldate : 11-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	27616100	-4.81
Yttrium	A	1403580	1379830	-1.69
Yttrium	R	307858	279094	-9.34

ENTHALPY CONTINUING CALIBRATION FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496074 File : met06_master Time : 11-OCT-2022 13:16
Cal : 482409496001 Caldate : 11-OCT-2022
Standards: S17366, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0351	0.0356	1.000	0.9840	mg/l	-2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	24846300	-14.36
Yttrium	A	1403580	1330990	-5.17
Yttrium	R	307858	266482	-13.44

ENTHALPY INSTRUMENT BLANK FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496075 File : met06_master Time : 11-OCT-2022 13:19
Cal : 482409496001 Caldate : 11-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	28044900	-3.33
Yttrium	A	1403580	1378440	-1.79
Yttrium	R	307858	278693	-9.47

SAMPLE PREPARATION SUMMARY

Batch # : 298645 Analysis : ICP
Started By : DLS Prep Date : 11-OCT-2022 09:15 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
470417-002		Wipe	1	100	1	100.0						6010	
470417-004		Wipe	1	100	1	100.0						6010	
470417-006		Wipe	1	100	1	100.0						6010	
470417-007		Wipe	1	100	1	100.0						6010	
470417-009		Wipe	1.02	100	1	98.04						6010	
470422-003		Wipe	1	100	1	100.0						6010	
470422-005		Wipe	1	100	1	100.0						6010	
470422-007		Wipe	1.02	100	1	98.04						6010	
470422-009		Wipe	1	100	1	100.0						6010	
470422-011		Wipe	1.03	100	1	97.09						6010	
470422-013		Wipe	1	100	1	100.0						6010	
470422-015		Wipe	1.0828	100	1	92.35						6010	
470422-018		Wipe	1	100	1	100.0						6010	
470422-020		Wipe	1.02	100	1	98.04						6010	
470422-022		Wipe	1	100	1	100.0						6010	
470422-024		Wipe	1.02	100	1	98.04						6010	
470422-026		Wipe	1.01	100	1	99.01						6010	
470422-028		Wipe	1.03	100	1	97.09						6010	
470422-029		Wipe	1.03	100	1	97.09						6010	
470422-031		Wipe	1	100	1	100.0						6010	
QC1018084	BLANK	Wipe	1	100	1	100.0						ICP	
QC1018085	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1018086	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: SBW Date: 10/11/22 Reviewer: DCD Date: 10/11/22

ICP Prep Log

Initials: DS Prep Method: wipe 3050B / 3010A / 200.7 / STLC QC Batch #: 298645 Thermometer ID: 916675

Prep Start, Date/Time: 10/11/22 9:15 Prep End, Date/Time: 10/11/22 11:05 HotBlock Temperature, °C: 95

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	----	NA	NA	100	050322	
LCS / LCSD	-----	-----	----	↓				
470417-2	A	NA	wipe	1 wipe				
4								
6								
7								
9								
470422-3								
5								
7								
9								
11								
13								
15								
18								
20								
22								
24								
26								
28								
29								
31								
								DS 10/11/22

Hydrochloric Acid ID: 10mL - 22160149

Nitric Acid ID: 10mL - 2022061673

H_2O_2 ID: 3mL - 223401

LCS Spike ID: 1mL - S168855/S169006

MS/MSD Spike ID: ↓

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482409496

Instrument : MET06 Begun : 10/11/22 08:56
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			10/11/22 08:56	1.0	1	
002	met06_master	ICAL	L1			10/11/22 08:59	1.0	2 1	
003	met06_master	ICAL	L2			10/11/22 09:03	1.0	3 1	
004	met06_master	ICAL	L3			10/11/22 09:06	1.0	4 1	
005	met06_master	ICAL	L4			10/11/22 09:09	1.0	5 1	
006	met06_master	ICAL	L5			10/11/22 09:12	1.0	6 1	
007	met06_master	ICAL	L6			10/11/22 09:16	1.0	7 1	
008	met06_master	ICAL	L7			10/11/22 09:19	1.0	8 1	
009	met06_master	ICAL	L8			10/11/22 09:22	1.0	9 1	
010	met06_master	ICV				10/11/22 09:26	1.0	10 1	
011	met06_master	XCRI				10/11/22 09:29	1.0	11 1	
012	met06_master	ICB				10/11/22 09:32	1.0	1	
013	met06_master	CRI				10/11/22 09:41	1.0	11 1	
014	met06_master	ICSA				10/11/22 09:44	1.0	12 1	4:MGASMGCO3=1500
015	met06_master	ICSAB				10/11/22 09:47	1.0	13 1	4:MGASMGCO3=1400
016	met06_master	SAMPLE	470106-001	Soil	298283	10/11/22 09:51	1.0	1	2:FE=170
017	met06_master	SAMPLE	470114-001	Miscell.	298283	10/11/22 09:54	1.0	1	2:CA=1600
018	met06_master	SAMPLE	470291-001	Water	298563	10/11/22 09:57	1.0	1	
019	met06_master	CCV				10/11/22 10:00	1.0	10 1	
020	met06_master	CCB				10/11/22 10:04	1.0	1	
021	met06_master	BLANK	QC1017820	Soil	298567	10/11/22 10:15	1.0	1	
022	met06_master	LCS	QC1017821	Soil	298567	10/11/22 10:18	1.0	1	
023	met06_master	SAMPLE	470098-040	Soil	298567	10/11/22 10:21	1.0	1	
024	met06_master	MSS	470175-001	Soil	298567	10/11/22 10:25	1.0	1	
025	met06_master	MS	QC1017822	Soil	298567	10/11/22 10:28	1.0	1	
026	met06_master	CCV				10/11/22 10:35	1.0	10 1	
027	met06_master	CCB				10/11/22 10:38	1.0	1	
028	met06_master	BLANK	QC1017820	Soil	298567	10/11/22 10:41	1.0	1	
029	met06_master	LCS	QC1017821	Soil	298567	10/11/22 10:45	1.0	1	
030	met06_master	SAMPLE	470098-040	Soil	298567	10/11/22 10:48	1.0	1	1:FE=250
031	met06_master	MSS	470175-001	Soil	298567	10/11/22 10:51	1.0	1	4:ALASAL2O3=280
032	met06_master	MS	QC1017822	Soil	298567	10/11/22 10:54	1.0	1	4:ALASAL2O3=300
033	met06_master	MSD	QC1017823	Soil	298567	10/11/22 10:58	1.0	1	4:ALASAL2O3=300
034	met06_master	PDS	QC1017824	Soil	298567	10/11/22 11:01	1.0	1	2:FE=180
035	met06_master	SAMPLE	470175-006	Soil	298567	10/11/22 11:04	1.0	1	2:FE=210
036	met06_master	SAMPLE	470175-012	Soil	298567	10/11/22 11:08	1.0	1	1:TI=13
037	met06_master	SAMPLE	470175-018	Soil	298567	10/11/22 11:11	1.0	1	2:FE=160
038	met06_master	CCV				10/11/22 11:14	1.0	10 1	
039	met06_master	CCB				10/11/22 11:17	1.0	1	
040	met06_master	SAMPLE	470175-024	Soil	298567	10/11/22 11:21	1.0	1	2:FE=190
041	met06_master	SAMPLE	470175-028	Soil	298567	10/11/22 11:24	1.0	1	2:FE=180
042	met06_master	SAMPLE	470175-036	Soil	298567	10/11/22 11:27	1.0	1	2:FE=180
043	met06_master	SAMPLE	470175-040	Soil	298567	10/11/22 11:30	1.0	1	1:TI=12
044	met06_master	SAMPLE	470175-046	Soil	298567	10/11/22 11:34	1.0	1	2:FE=170
045	met06_master	SAMPLE	470175-052	Soil	298567	10/11/22 11:37	1.0	1	1:TI=11
046	met06_master	SAMPLE	470175-058	Soil	298567	10/11/22 11:40	1.0	1	1:TI=11
047	met06_master	SAMPLE	470175-065	Soil	298567	10/11/22 11:43	1.0	1	3:FE=180
048	met06_master	SAMPLE	470175-070	Soil	298567	10/11/22 11:47	1.0	1	2:FE=180
049	met06_master	SAMPLE	470175-075	Soil	298567	10/11/22 11:50	1.0	1	2:FE=190
050	met06_master	CCV				10/11/22 11:53	1.0	10 1	
051	met06_master	CCB				10/11/22 11:56	1.0	1	
052	met06_master	SAMPLE	470175-081	Soil	298567	10/11/22 12:00	1.0	1	2:FE=170

Enthalpy Sequence Summary for Sequence 482409496

Instrument : MET06 Begun : 10/11/22 08:56
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	470175-087	Soil	298567	10/11/22 12:04	1.0	1	1:TI=11
054	met06_master	BLANK	QC1018087	Wipe	298646	10/11/22 12:07	1.0	1	
055	met06_master	BS	QC1018088	Wipe	298646	10/11/22 12:10	1.0	1	
056	met06_master	XBSD	QC1018089	Wipe	298646	10/11/22 12:13	1.0	1	
057	met06_master	XSAMPLE	470422-032	Wipe	298646	10/11/22 12:17	1.0	1	
058	met06_master	XBLANK	QC1018084	Wipe	298645	10/11/22 12:20	1.0	1	1:MGASMGCO3=1300
059	met06_master	BSD	QC1018089	Wipe	298646	10/11/22 12:27	1.0	1	
060	met06_master	SAMPLE	470422-032	Wipe	298646	10/11/22 12:30	1.0	1	
061	met06_master	BLANK	QC1018084	Wipe	298645	10/11/22 12:33	1.0	1	
062	met06_master	CCV				10/11/22 12:37	1.0	10 1	
063	met06_master	CCB				10/11/22 12:40	1.0	1	
064	met06_master	BS	QC1018085	Wipe	298645	10/11/22 12:43	1.0	1	
065	met06_master	BSD	QC1018086	Wipe	298645	10/11/22 12:46	1.0	1	
066	met06_master	SAMPLE	470417-002	Wipe	298645	10/11/22 12:50	1.0	1	
067	met06_master	SAMPLE	470417-004	Wipe	298645	10/11/22 12:53	1.0	1	
068	met06_master	SAMPLE	470417-006	Wipe	298645	10/11/22 12:56	1.0	1	
069	met06_master	SAMPLE	470417-007	Wipe	298645	10/11/22 12:59	1.0	1	
070	met06_master	SAMPLE	470417-009	Wipe	298645	10/11/22 13:03	1.0	1	
071	met06_master	SAMPLE	470422-003	Wipe	298645	10/11/22 13:06	1.0	1	
072	met06_master	SAMPLE	470422-005	Wipe	298645	10/11/22 13:09	1.0	1	
073	met06_master	SAMPLE	470422-007	Wipe	298645	10/11/22 13:12	1.0	1	
074	met06_master	CCV				10/11/22 13:16	1.0	10 1	
075	met06_master	CCB				10/11/22 13:19	1.0	1	
076	met06_master	SAMPLE	470422-009	Wipe	298645	10/11/22 13:22	1.0	1	
077	met06_master	SAMPLE	470422-011	Wipe	298645	10/11/22 13:25	1.0	1	
078	met06_master	SAMPLE	470422-013	Wipe	298645	10/11/22 13:29	1.0	1	
079	met06_master	SAMPLE	470422-015	Wipe	298645	10/11/22 13:32	1.0	1	
080	met06_master	SAMPLE	470422-018	Wipe	298645	10/11/22 13:35	1.0	1	
081	met06_master	SAMPLE	470422-020	Wipe	298645	10/11/22 13:38	1.0	1	
082	met06_master	SAMPLE	470422-022	Wipe	298645	10/11/22 13:42	1.0	1	
083	met06_master	SAMPLE	470422-024	Wipe	298645	10/11/22 13:45	1.0	1	
084	met06_master	SAMPLE	470422-026	Wipe	298645	10/11/22 13:48	1.0	1	
085	met06_master	SAMPLE	470422-028	Wipe	298645	10/11/22 13:51	1.0	1	
086	met06_master	CCV				10/11/22 13:55	1.0	10 1	
087	met06_master	CCB				10/11/22 13:58	1.0	1	
088	met06_master	SAMPLE	470422-029	Wipe	298645	10/11/22 14:01	1.0	1	
089	met06_master	SAMPLE	470422-031	Wipe	298645	10/11/22 14:04	1.0	1	
090	met06_master	CCV				10/11/22 14:08	1.0	10 1	
091	met06_master	CCB				10/11/22 14:11	1.0	1	
092	met06_master	BLANK	QC1017849	Soil	298573	10/11/22 14:15	1.0	1	
093	met06_master	LCS	QC1017850	Soil	298573	10/11/22 14:18	1.0	1	
094	met06_master	SAMPLE	470098-005	Soil	298573	10/11/22 14:21	1.0	1	2:FE=180
095	met06_master	SAMPLE	470098-010	Soil	298573	10/11/22 14:24	1.0	1	2:FE=210
096	met06_master	SAMPLE	470098-015	Soil	298573	10/11/22 14:28	1.0	1	1:FE=240
097	met06_master	SAMPLE	470098-020	Soil	298573	10/11/22 14:31	1.0	1	1:FE=210
098	met06_master	SAMPLE	470098-025	Soil	298573	10/11/22 14:34	1.0	1	1:FE=200
099	met06_master	SAMPLE	470098-030	Soil	298573	10/11/22 14:37	1.0	1	1:FE=170
100	met06_master	SAMPLE	470098-035	Soil	298573	10/11/22 14:40	1.0	1	1:FE=220
101	met06_master	MSS	470226-003	Soil	298573	10/11/22 14:44	1.0	1	3:FEASFE2O3=190
102	met06_master	CCV				10/11/22 14:47	1.0	10 1	
103	met06_master	CCB				10/11/22 14:50	1.0	1	
104	met06_master	MS	QC1017851	Soil	298573	10/11/22 14:53	1.0	1	3:ALASAL2O3=220

Enthalpy Sequence Summary for Sequence 482409496

Instrument : MET06 Begun : 10/11/22 08:56
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	MSD	QC1017852	Soil	298573	10/11/22 14:57	1.0	1	3:FEASFE2O3=200
106	met06_master	PDS	QC1017853	Soil	298573	10/11/22 15:00	1.0	1	1:P=11
107	met06_master	SAMPLE	470275-013	Soil	298573	10/11/22 15:03	1.0	1	2:SULFUR=160
108	met06_master	SAMPLE	470275-014	Soil	298573	10/11/22 15:06	1.0	1	4:SULFUR=200
109	met06_master	SAMPLE	470275-015	Soil	298573	10/11/22 15:10	1.0	1	4:SULFUR=200
110	met06_master	SAMPLE	470275-016	Soil	298573	10/11/22 15:13	1.0	1	2:SULFUR=180
111	met06_master	SAMPLE	470275-017	Soil	298573	10/11/22 15:16	1.0	1	3:SULFUR=210
112	met06_master	SAMPLE	470275-018	Soil	298573	10/11/22 15:19	1.0	1	2:SULFUR=210
113	met06_master	SAMPLE	470275-019	Soil	298573	10/11/22 15:23	1.0	1	2:SULFUR=350
114	met06_master	CCV				10/11/22 15:26	1.0	10 1	
115	met06_master	CCB				10/11/22 15:29	1.0	1	
116	met06_master	BLANK	QC1018116	Soil	298654	10/11/22 15:33	1.0	1	
117	met06_master	LCS	QC1018117	Soil	298654	10/11/22 15:36	1.0	1	
118	met06_master	SAMPLE	469618-007	Soil	298654	10/11/22 15:39	1.0	1	
119	met06_master	SAMPLE	469618-013	Soil	298654	10/11/22 15:42	1.0	1	
120	met06_master	SAMPLE	469634-012	Soil	298654	10/11/22 15:46	1.0	1	1:FE=180
121	met06_master	SAMPLE	470293-003	Soil	298654	10/11/22 15:49	1.0	1	2:FE=170
122	met06_master	MSS	470369-001	Soil	298654	10/11/22 15:52	1.0	1	3:FEASFE2O3=280
123	met06_master	MS	QC1018118	Soil	298654	10/11/22 15:55	1.0	1	4:FEASFE2O3=280
124	met06_master	MSD	QC1018119	Soil	298654	10/11/22 15:59	1.0	1	4:FEASFE2O3=310

SBW 10/11/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 075.

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S17316 7=S17115 8=S17113 9=S17048 10=S17366 11=S17318 12=S17207 13=S17208

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 470417-002	Client ID	: ARCH-C1E-DG-1.5 TO 2-C1.3-DG-221007-L-LA
Seqnum	: 482409496066	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 298645	Time	: 11-OCT-2022 12:50
Cal	: 482409496001	Caldate	: 11-OCT-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	3.688	370	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1403580	1404800	0.09

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 470417-002,298645 | Sample Type: Unknown Sample

Measure Date: 2022-10-11 12:50:06 | Recalculation Date: | State: Measured | Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	38448.50000000	9132.19000000	3667.85000000	6343.10000000	11749.70000000	31705.00000000	7059.95000000
Int RSD	*0.75590985*	*1.61762951*	*0.91134588*	*2.53655153*	*0.81418675*	*1.09365715*	*0.56579296*
Int SD	*290.63600000*	*147.72500000*	*33.42680000*	*160.89600000*	*95.66450000*	*346.74400000*	*39.94470000*
RelInt Mean	0.00002327	0.02870710	0.00028441	0.00108191	0.00474375	0.11536500	0.00160370
RelInt RSD	*28.72984902*	*1.15711096*	*6.29769489*	*10.44218096*	*1.32841739*	*1.15515104*	*0.55869115*
RelInt SD	*0.00000668*	*0.00033217*	*0.00001791*	*0.00011298*	*0.00006302*	*0.00133264*	*0.00000896*
Conc Mean	<-0.00046301[mg/l]	3.15449000[mg/l]	0.02013670[mg/l]	0.01101100[mg/l]	0.01286880[mg/l]	6.06973000[mg/l]	0.00877078[mg/l]
Conc RSD	*53.76610923*	*1.21108959*	*4.80542989*	*13.42421215*	*1.34234738*	*1.16264315*	*0.48941485*
Conc SD	*0.00024894[mg/l]*	*0.03820370[mg/l]*	*0.00096766[mg/l]*	*0.00147814[mg/l]*	*0.00017274[mg/l]*	*0.07056930[mg/l]*	*0.00004293[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	10895.10000000	324383	23261000	907.33000000	5468.54000000	1026980	4889.09000000
Int RSD	*1.41633395*	*0.44945019*	*0.21891836*	*7.88519061*	*0.90645767*	*0.45471382*	*11.47070314*
Int SD	*154.31100000*	*1457.94000000*	*50922.60000000*	*71.54470000*	*49.57000000*	*4669.82000000*	*560.81300000*
RelInt Mean	0.00436634	0.01071330	16.63400000	0.00276406	0.01419980	0.72968200	0.00085455
RelInt RSD	*2.96177119*	*1.28413281*	*0.09429362*	*7.89867080*	*0.97080241*	*0.49940248*	*45.40731188*
RelInt SD	*0.00012932*	*0.00013757*	*0.01568480*	*0.00021832*	*0.00013785*	*0.00364405*	*0.00038803*
Conc Mean	0.02875550[mg/l]	0.29825600[mg/l]	51.71730000[mg/l]	1.41226000[mg/l]	3.30038000[mg/l]	0.43401400[mg/l]	0.00559596[mg/l]
Conc RSD	*2.99040879*	*1.30063435*	*0.09428953*	*7.74389985*	*0.96939746*	*0.49984332*	*46.55555079*
Conc SD	*0.00085991[mg/l]*	*0.00387922[mg/l]*	*0.04876400[mg/l]*	*0.10936400[mg/l]*	*0.03199380[mg/l]*	*0.00216939[mg/l]*	*0.00260523[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	39285.50000000	18561.00000000	191907	4843.08000000	3435.59000000	6514.78000000	5175.50000000
Int RSD	*0.69269069*	*0.49072787*	*0.43001037*	*2.55007144*	*1.05718959*	*0.36850208*	*0.81491837*
Int SD	*272.12700000*	*91.08400000*	*825.22000000*	*123.50200000*	*36.32070000*	*24.00710000*	*42.17610000*
RelInt Mean	0.11765900	0.00956826	0.13322700	0.00074314	0.00006765	0.00193605	0.01560130
RelInt RSD	*1.20913827*	*0.86757258*	*0.56484647*	*10.80044568*	*18.07333998*	*0.34842127*	*1.15713434*
RelInt SD	*0.00142266*	*0.00008301*	*0.00075253*	*0.00008026*	*0.00001223*	*0.00000675*	*0.00018053*
Conc Mean	2.59483000[mg/l]	0.07918350[mg/l]	3.68766000[mg/l]	0.03497800[mg/l]	0.00332021[mg/l]	0.03194400[mg/l]	0.01138780[mg/l]
Conc RSD	*1.76146414*	*0.88196026*	*0.56474024*	*10.71767968*	*23.53122242*	*0.37312797*	*1.15768630*
Conc SD	*0.04570700[mg/l]*	*0.00069837[mg/l]*	*0.02082570[mg/l]*	*0.00374883[mg/l]*	*0.00078129[mg/l]*	*0.00011919[mg/l]*	*0.00013183[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	607939	3096.33000000	11262.90000000	1404800	27199900	274811	550398
Int RSD	*1.37060626*	*2.28433985*	*3.78910405*	*0.12504769*	*1.35093879*	*0.80833009*	*0.15839810*
Int SD	*8332.45000000*	*70.73070000*	*426.76300000*	*1756.67000000*	*367454*	*2221.38000000*	*871.82000000*
RelInt Mean	0.02086700	-0.00017427	0.00010357	---	---	---	0.39109800
RelInt RSD	*2.67647961*	*19.22414832*	*12.28677642*	---	---	---	*0.26537083*
RelInt SD	*0.00055850*	*0.00003350*	*0.00001272*	---	---	---	*0.00103786*
Conc Mean	0.17187900[mg/l]	<-0.00740826[mg/l]	0.01001550[mg/l]	1397910	27140100	273695	1.39579000[mg/l]
Conc RSD	*2.67569046*	*27.50605405*	*21.08791373*	---	---	---	*0.26565601*
Conc SD	*0.00459895[mg/l]*	*0.00203772[mg/l]*	*0.00211206[mg/l]*	*1741.85000000*	*367457*	*2297.19000000*	*0.00370800[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	151.22100000	5464.22000000	203647	21807.00000000	5147.29000000	42151.30000000	
Int RSD	*63.77645962*	*1.65572030*	*1.62045107*	*0.33425322*	*1.24841421*	*0.42805323*	
Int SD	*96.44340000*	*90.47220000*	*3300.00000000*	*72.89060000*	*64.25950000*	*180.43000000*	
RelInt Mean	-0.00014495	0.00103440	0.14195700	0.01274970	-0.00001051	0.02712650	
RelInt RSD	*419.02225656*	*6.09113496*	*1.75403115*	*0.38248900*	*301.48958244*	*0.37686027*	
RelInt SD	*0.00060736*	*0.00006301*	*0.00248997*	*0.00004877*	*0.00003168*	*0.00010223*	
Conc Mean	<0.00098424[mg/l]	<0.00154205[mg/l]	2.27605000[mg/l]	0.40320800[mg/l]	<-0.00044084[mg/l]	1.89287000[mg/l]	
Conc RSD	*176.11283381*	*26.31263578*	*1.77341447*	*0.38805282*	*25.39385484*	*0.40344979*	
Conc SD	*0.00173338[mg/l]*	*0.00040575[mg/l]*	*0.04036380[mg/l]*	*0.00156466[mg/l]*	*0.00011195[mg/l]*	*0.00763678[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 470417-004	Client ID	: ARCH-C2E-EXT-1 TO 2-221007-L-WF
Seqnum	: 482409496067	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 298645	Time	: 11-OCT-2022 12:53
Cal	: 482409496001	Caldate	: 11-OCT-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.542	250	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1403580	1407540	0.28

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 470417-004,298645			Sample Type: Unknown Sample
Measure Date: 2022-10-11 12:53:22	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	37537.40000000	5507.31000000	3072.89000000	5835.47000000	9135.02000000	29132.70000000	7416.02000000
Int RSD	*0.65653189*	*5.08012078*	*0.13404905*	*0.77477221*	*0.74413959*	*2.89836507*	*0.12029350*
Int SD	*246.44500000*	*279.77800000*	*4.11918000*	*45.21160000*	*67.97730000*	*844.37200000*	*8.92099000*
RelInt Mean	0.00001941	0.01580980	-0.00009299	0.00083245	0.00297964	0.10469100	0.00196928
RelInt RSD	*23.44163571*	*5.69420866*	*4.00189483*	*2.77085508*	*1.46405270*	*2.35764297*	*0.61515884*
RelInt SD	*0.00000455*	*0.00090024*	*0.00000372*	*0.00002307*	*0.00004362*	*0.00246824*	*0.00001211*
Conc Mean	<-0.00060662[mg/l]	1.67130000[mg/l]	<-0.00023606[mg/l]	0.00774719[mg/l]	0.00798817[mg/l]	5.50447000[mg/l]	0.01097330[mg/l]
Conc RSD	*27.93441045*	*6.19451924*	*85.22947750*	*3.89539949*	*1.50851822*	*2.37454287*	*0.63025343*
Conc SD	*0.00016946[mg/l]*	*0.10352900[mg/l]*	*0.00020119[mg/l]*	*0.00030178[mg/l]*	*0.00012050[mg/l]*	*0.13070600[mg/l]*	*0.00006916[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	10278.10000000	140694	16162100	1071.53000000	4408.71000000	718057	3803.88000000
Int RSD	*1.51658380*	*0.75741681*	*0.32583390*	*1.96733643*	*4.77711167*	*0.05367485*	*0.86328959*
Int SD	*155.87600000*	*1065.64000000*	*52661.60000000*	*21.08060000*	*210.60900000*	*385.41600000*	*32.83850000*
RelInt Mean	0.00404298	0.00397322	11.53190000	0.00344399	0.01054750	0.50790000	0.00020311
RelInt RSD	*2.69904872*	*1.61369116*	*0.42035571*	*7.29345904*	*3.52537568*	*0.06588659*	*15.29993895*
RelInt SD	*0.00010912*	*0.00006412*	*0.04847500*	*0.00025119*	*0.00037184*	*0.00033464*	*0.00003108*
Conc Mean	0.02660540[mg/l]	0.10819500[mg/l]	35.85400000[mg/l]	1.75285000[mg/l]	2.45281000[mg/l]	0.30199500[mg/l]	0.00122214[mg/l]
Conc RSD	*2.72733731*	*1.67093673*	*0.42041613*	*7.17802436*	*3.51807519*	*0.06596997*	*17.07177574*
Conc SD	*0.00072562[mg/l]*	*0.00180787[mg/l]*	*0.15073600[mg/l]*	*0.12582000[mg/l]*	*0.08629170[mg/l]*	*0.00019923[mg/l]*	*0.00020864[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	39964.80000000	12247.40000000	134089	3885.54000000	3314.20000000	4361.57000000	4467.40000000
Int RSD	*1.62767986*	*1.41913386*	*0.28687886*	*1.87424142*	*0.77303120*	*0.82391891*	*3.55703541*
Int SD	*650.49900000*	*173.80700000*	*384.67300000*	*72.82440000*	*25.61980000*	*35.93580000*	*158.90700000*
RelInt Mean	0.11958200	0.00514238	0.09182810	0.00017345	0.00006634	0.00042507	0.01300190
RelInt RSD	*1.39755983*	*2.42733909*	*0.34236361*	*36.71125307*	*17.88669234*	*4.47219902*	*2.58146117*
RelInt SD	*0.00167123*	*0.00012482*	*0.00031439*	*0.00006367*	*0.00001187*	*0.00001901*	*0.00033564*
Conc Mean	2.65659000[mg/l]	0.04195060[mg/l]	2.54181000[mg/l]	0.00841663[mg/l]	0.00323681[mg/l]	0.00524183[mg/l]	0.00948963[mg/l]
Conc RSD	*2.02081239*	*2.50313464*	*0.34258776*	*35.32280735*	*23.42744863*	*6.40907851*	*2.58236623*
Conc SD	*0.05368470[mg/l]*	*0.00105008[mg/l]*	*0.00870793[mg/l]*	*0.00297299[mg/l]*	*0.00075830[mg/l]*	*0.00033595[mg/l]*	*0.00024506[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	347548	2942.33000000	10259.40000000	1407540	27316100	277885	271503
Int RSD	*0.08441050*	*0.38257435*	*0.73392694*	*0.12328104*	*0.61360882*	*0.51066808*	*0.04291997*
Int SD	*293.36700000*	*11.25660000*	*75.29650000*	*1735.23000000*	*167614*	*1419.07000000*	*116.52900000*
RelInt Mean	0.01125780	-0.00022260	0.00007729	---	---	---	0.19132600
RelInt RSD	*0.68923235*	*2.90345782*	*3.05884880*	---	---	---	*0.11372370*
RelInt SD	*0.00007759*	*0.00000646*	*0.00000236*	---	---	---	*0.00021758*
Conc Mean	0.09275170[mg/l]	<-0.01015530[mg/l]	0.00565370[mg/l]	1400880	27257400	276791	0.68229700[mg/l]
Conc RSD	*0.68871514*	*3.90840251*	*6.94532784*	---	---	---	*0.11387270*
Conc SD	*0.00063879[mg/l]*	*0.00039691[mg/l]*	*0.00039267[mg/l]*	*1743.87000000*	*167283*	*1329.71000000*	*0.00077695[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	74.85410000	5275.06000000	133229	17129.60000000	4895.83000000	49267.10000000	
Int RSD	*52.77332838*	*2.96627906*	*0.33414647*	*0.85567672*	*0.66726377*	*0.78843285*	
Int SD	*39.50300000*	*156.47300000*	*445.18000000*	*146.57400000*	*32.66810000*	*388.43800000*	
RelInt Mean	-0.00037899	0.00107948	0.09159110	0.00942500	0.00000492	0.03220490	
RelInt RSD	*56.81046993*	*31.76964835*	*0.39913485*	*1.01269284*	*705.61603046*	*0.87266844*	
RelInt SD	*0.00021531*	*0.00034295*	*0.00036557*	*0.00009545*	*0.00003469*	*0.00028104*	
Conc Mean	<0.00031629[mg/l]	<0.00183235[mg/l]	1.46085000[mg/l]	0.29653300[mg/l]	<-0.00031082[mg/l]	2.27208000[mg/l]	
Conc RSD	*194.27582282*	*120.53046634*	*0.40531951*	*1.03275184*	*40.37456124*	*0.92355903*	
Conc SD	*0.00061448[mg/l]*	*0.00220854[mg/l]*	*0.00592111[mg/l]*	*0.00306245[mg/l]*	*0.00012549[mg/l]*	*0.02098400[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 470417-006	Client ID	: ARCH-C2E-DG-2 TO 2.5-DG-221007-L-FB
Seqnum	: 482409496068	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 298645	Time	: 11-OCT-2022 12:56
Cal	: 482409496001	Caldate	: 11-OCT-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.541	250	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1403580	1406180	0.19

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 470417-006,298645			Sample Type: Unknown Sample
Measure Date: 2022-10-11 12:56:38	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	37710.00000000	7437.86000000	3097.14000000	5908.70000000	10846.30000000	40799.00000000	7885.50000000
Int RSD	*0.40656590*	*3.43803191*	*0.41439199*	*0.10731261*	*0.10131658*	*2.27606069*	*0.46379938*
Int SD	*153.31600000*	*255.71600000*	*12.83430000*	*6.34078000*	*10.98910000*	*928.61000000*	*36.57290000*
RelInt Mean	0.00001993	0.02218880	-0.00007573	0.00088907	0.00417758	0.14514300	0.00227008
RelInt RSD	*13.32366592*	*3.44830725*	*20.93002067*	*4.42291643*	*0.29309792*	*1.55477701*	*1.12959015*
RelInt SD	*0.00000266*	*0.00076514*	*0.00001585*	*0.00003932*	*0.00001224*	*0.00225665*	*0.00002564*
Conc Mean	<-0.00058734[mg/l]	2.40488000[mg/l]	<0.00069618[mg/l]	0.00848807[mg/l]	0.01131390[mg/l]	7.64662000[mg/l]	0.01258310[mg/l]
Conc RSD	*16.83617753*	*3.65878963*	*122.89357032*	*6.06124832*	*0.30484448*	*1.56297815*	*1.03949742*
Conc SD	*0.00009889[mg/l]*	*0.08798950[mg/l]*	*0.00085556[mg/l]*	*0.00051448[mg/l]*	*0.00003449[mg/l]*	*0.11951500[mg/l]*	*0.00013080[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	10217.00000000	211749	18452500	1126.64000000	5771.92000000	837682	3815.38000000
Int RSD	*0.45787022*	*0.98582284*	*0.81095786*	*11.84557623*	*1.84472411*	*0.44293061*	*1.02185628*
Int SD	*46.78060000*	*2087.47000000*	*149642*	*133.45700000*	*106.47600000*	*3710.35000000*	*38.98770000*
RelInt Mean	0.00397345	0.00656353	13.18030000	0.00367052	0.01519290	0.59385100	0.00017819
RelInt RSD	*1.08074847*	*1.27888499*	*1.02532568*	*9.10503144*	*1.35826603*	*0.65160789*	*19.87771343*
RelInt SD	*0.00004294*	*0.00008394*	*0.13514100*	*0.00033420*	*0.00020636*	*0.00386958*	*0.00003542*
Conc Mean	0.02614300[mg/l]	0.18123900[mg/l]	40.97920000[mg/l]	1.86632000[mg/l]	3.53084000[mg/l]	0.35315800[mg/l]	0.00105483[mg/l]
Conc RSD	*1.09233829*	*1.30601030*	*1.02518839*	*8.96995156*	*1.35624667*	*0.65219817*	*22.54448584*
Conc SD	*0.00028557[mg/l]*	*0.00236700[mg/l]*	*0.42011400[mg/l]*	*0.16740800[mg/l]*	*0.04788690[mg/l]*	*0.00230329[mg/l]*	*0.00023781[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	53876.00000000	13012.60000000	133957	3857.78000000	3321.40000000	5520.20000000	6081.63000000
Int RSD	*1.65317024*	*0.86613744*	*0.12787088*	*0.65925480*	*0.60670500*	*0.71079490*	*5.03374918*
Int SD	*890.66200000*	*112.70700000*	*171.29200000*	*25.43260000*	*20.15110000*	*39.23730000*	*306.13400000*
RelInt Mean	0.16770200	0.00566991	0.09181980	0.00012123	0.00007306	0.00128255	0.01858870
RelInt RSD	*1.42629187*	*1.27480683*	*0.37517289*	*12.70455764*	*39.78184217*	*2.41996024*	*2.87036210*
RelInt SD	*0.00239192*	*0.00007228*	*0.00034448*	*0.00001540*	*0.00002906*	*0.00003104*	*0.00053356*
Conc Mean	4.20244000[mg/l]	0.04638850[mg/l]	2.54143000[mg/l]	0.00598342[mg/l]	<0.00366596[mg/l]	0.02039530[mg/l]	0.01356910[mg/l]
Conc RSD	*1.82859720*	*1.31087446*	*0.37561176*	*12.03256666*	*50.66230946*	*2.68932548*	*2.87127370*
Conc SD	*0.07684570[mg/l]*	*0.00060809[mg/l]*	*0.00954591[mg/l]*	*0.00071996[mg/l]*	*0.00185726[mg/l]*	*0.00054850[mg/l]*	*0.00038961[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	522722	2945.06000000	10647.70000000	1406180	27330800	281016	368806
Int RSD	*7.41541393*	*0.20597713*	*1.48054509*	*0.21406932*	*0.67463082*	*0.69435548*	*0.13025981*
Int SD	*38762.00000000*	*6.06615000*	*157.64400000*	*3010.20000000*	*184382*	*1951.25000000*	*480.40600000*
RelInt Mean	0.01766900	-0.00021633	0.00008845	---	---	---	0.26102400
RelInt RSD	*8.56817024*	*5.38757379*	*3.84220464*	---	---	---	*0.08754176*
RelInt SD	*0.00151391*	*0.00001166*	*0.00000340*	---	---	---	*0.00022851*
Conc Mean	0.14554500[mg/l]	<-0.00990473[mg/l]	0.00750735[mg/l]	1399460	27271800	279940	0.93122700[mg/l]
Conc RSD	*8.56491120*	*7.42956143*	*7.51755280*	---	---	---	*0.08766047*
Conc SD	*0.01246580[mg/l]*	*0.00073588[mg/l]*	*0.00056437[mg/l]*	*3035.82000000*	*184435*	*1928.00000000*	*0.00081632[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-7.69984000	5202.11000000	132348	18366.00000000	4948.56000000	61039.90000000	
Int RSD	*212.96026930*	*2.75672756*	*1.34552846*	*0.34477567*	*0.64468047*	*0.18966283*	
Int SD	*16.39760000*	*143.40800000*	*1780.78000000*	*63.32150000*	*31.90240000*	*115.77000000*	
RelInt Mean	-0.00075782	0.00060337	0.09106390	0.01032470	-0.00001839	0.04062200	
RelInt RSD	*31.72240520*	*18.80944765*	*1.57604715*	*0.65982644*	*108.19089055*	*0.18725789*	
RelInt SD	*0.00024040*	*0.00011349*	*0.00143521*	*0.00006813*	*0.00001989*	*0.00007607*	
Conc Mean	<-0.00076490[mg/l]	<-0.00123377[mg/l]	1.45232000[mg/l]	0.32540100[mg/l]	<-0.00039867[mg/l]	2.90059000[mg/l]	
Conc RSD	*89.69899176*	*59.23835075*	*1.59975074*	*0.67153758*	*18.38651419*	*0.19586601*	
Conc SD	*0.00068610[mg/l]*	*0.00073087[mg/l]*	*0.02323350[mg/l]*	*0.00218519[mg/l]*	*0.00007330[mg/l]*	*0.00568127[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 470417-007	Client ID	: ARCH-C2E-DG-2 TO 2.5-DG-221007-L-DUP-FB
Seqnum	: 482409496069	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 298645	Time	: 11-OCT-2022 12:59
Cal	: 482409496001	Caldate	: 11-OCT-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.524	250	0.50		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1403580	1411550	0.57

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 470417-007,298645			Sample Type: Unknown Sample
Measure Date: 2022-10-11 12:59:54	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	37461.90000000	6214.84000000	3252.36000000	6016.72000000	9389.53000000	28100.20000000	8404.03000000
Int RSD	*0.81929641*	*2.50386172*	*0.57778044*	*0.98437188*	*0.93678278*	*0.36793332*	*1.41472603*
Int SD	*306.92400000*	*155.61100000*	*18.79150000*	*59.22690000*	*87.95950000*	*103.39000000*	*118.89400000*
RelInt Mean	0.00001640	0.01813250	-0.00004976	0.00092729	0.00308859	0.10073300	0.00259163
RelInt RSD	*56.79847297*	*3.73666621*	*9.31954280*	*6.70789429*	*1.46375854*	*0.37835466*	*2.89663648*
RelInt SD	*0.00000931*	*0.00067755*	*0.00000464*	*0.00006220*	*0.00004521*	*0.00038113*	*0.00007507*
Conc Mean	<-0.00071886[mg/l]	1.93841000[mg/l]	<0.00209866[mg/l]	0.00898808[mg/l]	0.00829228[mg/l]	5.29490000[mg/l]	0.01447580[mg/l]
Conc RSD	*48.24861586*	*4.02003188*	*11.92594322*	*9.05446992*	*1.51504773*	*0.38141608*	*2.91753133*
Conc SD	*0.00034684[mg/l]*	*0.07792470[mg/l]*	*0.00025028[mg/l]*	*0.00081382[mg/l]*	*0.00012563[mg/l]*	*0.02019560[mg/l]*	*0.00042234[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	10142.40000000	256589	20359200	1128.09000000	5093.74000000	813038	3836.95000000
Int RSD	*0.77372022*	*0.80426675*	*0.66266847*	*5.91045041*	*0.53082804*	*0.67279635*	*0.49689206*
Int SD	*78.47380000*	*2063.66000000*	*134914*	*66.67520000*	*27.03900000*	*5470.09000000*	*19.06550000*
RelInt Mean	0.00385979	0.00823605	14.48810000	0.00349263	0.01283350	0.57399400	0.00013447
RelInt RSD	*2.00495105*	*1.04000097*	*0.99614856*	*2.33606194*	*1.23265672*	*0.46975578*	*15.81169821*
RelInt SD	*0.00007739*	*0.00008566*	*0.14432300*	*0.00008159*	*0.00015819*	*0.00269637*	*0.00002126*
Conc Mean	0.02538730[mg/l]	0.22840100[mg/l]	45.04520000[mg/l]	1.77721000[mg/l]	2.98332000[mg/l]	0.34133800[mg/l]	0.00076127[mg/l]
Conc RSD	*2.02689534*	*1.05763985*	*0.99619493*	*2.29974511*	*1.23062226*	*0.47022599*	*18.75142033*
Conc SD	*0.00051457[mg/l]*	*0.00241566[mg/l]*	*0.44873800[mg/l]*	*0.04087130[mg/l]*	*0.03671340[mg/l]*	*0.00160506[mg/l]*	*0.00014275[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	39192.70000000	14462.10000000	133586	3879.09000000	3427.97000000	6209.89000000	4903.40000000
Int RSD	*0.44147507*	*0.65607000*	*0.10829653*	*1.00862316*	*0.79538036*	*0.73657343*	*2.25988090*
Int SD	*173.02600000*	*94.88150000*	*144.66900000*	*39.12540000*	*27.26540000*	*45.74040000*	*110.81100000*
RelInt Mean	0.11584600	0.00664430	0.09117910	0.00009523	0.00007036	0.00161469	0.01453160
RelInt RSD	*0.91953110*	*1.28679319*	*0.40240581*	*20.53654966*	*40.57175100*	*3.03870712*	*4.08089956*
RelInt SD	*0.00106524*	*0.00008550*	*0.00036691*	*0.00001956*	*0.00002855*	*0.00004907*	*0.00059302*
Conc Mean	2.53658000[mg/l]	0.05458560[mg/l]	2.52379000[mg/l]	0.00477530[mg/l]	<0.00349356[mg/l]	0.02626490[mg/l]	0.01060660[mg/l]
Conc RSD	*1.34928526*	*1.31763505*	*0.40315557*	*19.15609491*	*52.21579134*	*3.30131849*	*4.08274093*
Conc SD	*0.03422570[mg/l]*	*0.00071924[mg/l]*	*0.01017480[mg/l]*	*0.00091476[mg/l]*	*0.00182419[mg/l]*	*0.00086709[mg/l]*	*0.00043304[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	376952	3029.10000000	10407.60000000	1411550	27243900	278824	225854
Int RSD	*6.79118296*	*0.82254465*	*1.42040432*	*0.38197230*	*0.20135810*	*0.77857358*	*0.12660170*
Int SD	*25599.50000000*	*24.91570000*	*147.83000000*	*5391.73000000*	*54857.80000000*	*2170.85000000*	*285.93500000*
RelInt Mean	0.01237400	-0.00024259	0.00008445	---	---	---	0.15826500
RelInt RSD	*7.54369646*	*1.94189057*	*5.84103302*	---	---	---	*0.50975263*
RelInt SD	*0.00093346*	*0.00000471*	*0.00000493*	---	---	---	*0.00080676*
Conc Mean	0.10194300[mg/l]	<-0.01140160[mg/l]	0.00684347[mg/l]	1404740	27185200	277723	0.56421900[mg/l]
Conc RSD	*7.54029212*	*2.68533364*	*11.96973173*	---	---	---	*0.51072013*
Conc SD	*0.00768680[mg/l]*	*0.00030617[mg/l]*	*0.00081914[mg/l]*	*5397.86000000*	*55096.10000000*	*2172.93000000*	*0.00288158[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-41.74050000	5330.93000000	103100	18771.80000000	4949.23000000	50898.80000000	
Int RSD	*174.38554881*	*2.34765791*	*0.89427740*	*0.48920029*	*1.14916260*	*0.29260022*	
Int SD	*72.78940000*	*125.15200000*	*922.00000000*	*91.83170000*	*56.87470000*	*148.93000000*	
RelInt Mean	-0.00070485	0.00072371	0.06984190	0.01043610	-0.00006332	0.03318050	
RelInt RSD	*41.83297794*	*16.70685284*	*0.55400125*	*0.02783770*	*27.32663729*	*0.57848134*	
RelInt SD	*0.00029486*	*0.00012091*	*0.00038693*	*0.00000291*	*0.00001730*	*0.00019194*	
Conc Mean	<-0.00061371[mg/l]	<-0.00045874[mg/l]	1.10879000[mg/l]	0.32897400[mg/l]	<-0.00056663[mg/l]	2.34493000[mg/l]	
Conc RSD	*137.12005918*	*169.73697405*	*0.56452259*	*0.02817803*	*11.00294902*	*0.61114404*	
Conc SD	*0.00084153[mg/l]*	*0.00077865[mg/l]*	*0.00625937[mg/l]*	*0.00009270[mg/l]*	*0.00006235[mg/l]*	*0.01433090[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET06	Lab ID	: 470417-009	Client ID	: ARCH-C2E-DG-1 TO 1.5-UP-C2.6-HS-221007-L-LA
Seqnum	: 482409496070	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: met06_master	Batch	: 298645	Time	: 11-OCT-2022 13:03
Cal	: 482409496001	Caldate	: 11-OCT-2022		
IDF	: 1.0	Raw Units	: mg/l	Units	: ug/ft2

1.02 ft2 --> 100.0 ml = 98.04 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.587	250	0.49		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1403580	1411180	0.54

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 470417-009,298645			Sample Type: Unknown Sample
Measure Date: 2022-10-11 13:03:09	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	37757.10000000	7402.20000000	3377.75000000	6008.53000000	9412.45000000	32208.90000000	6793.35000000
Int RSD	*0.94213009*	*1.97896571*	*1.52254311*	*0.48912296*	*0.46475785*	*0.57530683*	*0.47833101*
Int SD	*355.72100000*	*146.48700000*	*51.42770000*	*29.38910000*	*43.74510000*	*185.30000000*	*32.49470000*
RelInt Mean	0.00002228	0.02220440	0.00007792	0.00094869	0.00311286	0.11533500	0.00144636
RelInt RSD	*31.23088181*	*2.31399633*	*34.81763244*	*4.28223429*	*1.03704311*	*1.57223740*	*1.59072430*
RelInt SD	*0.00000696*	*0.00051381*	*0.00002713*	*0.00004063*	*0.00003228*	*0.00181334*	*0.00002301*
Conc Mean	<-0.00049996[mg/l]	2.40669000[mg/l]	0.00899284[mg/l]	0.00926803[mg/l]	0.00836232[mg/l]	6.06814000[mg/l]	0.00795640[mg/l]
Conc RSD	*51.81874550*	*2.45527675*	*16.28929237*	*5.73499438*	*1.06773957*	*1.58217015*	*1.61395857*
Conc SD	*0.00025907[mg/l]*	*0.05909090[mg/l]*	*0.00146487[mg/l]*	*0.00053152[mg/l]*	*0.00008929[mg/l]*	*0.09600830[mg/l]*	*0.00012841[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	9906.37000000	219657	18205600	1463.81000000	5946.72000000	724313	3652.22000000
Int RSD	*0.77882110*	*1.06478282*	*0.66229622*	*6.09989001*	*0.37975388*	*0.77349433*	*0.80893265*
Int SD	*77.15290000*	*2338.87000000*	*120575*	*89.29080000*	*22.58290000*	*5602.52000000*	*29.54400000*
RelInt Mean	0.00371682	0.00684696	12.95820000	0.00486913	0.01576000	0.51100900	0.00002635
RelInt RSD	*1.62898661*	*1.06391011*	*0.76411693*	*8.70046600*	*0.76757614*	*0.76910974*	*60.54797952*
RelInt SD	*0.00006055*	*0.00007285*	*0.09901580*	*0.00042364*	*0.00012097*	*0.00393022*	*0.00001595*
Conc Mean	0.02443660[mg/l]	0.18923100[mg/l]	40.28850000[mg/l]	2.46672000[mg/l]	3.66244000[mg/l]	0.30384600[mg/l]	<0.00003536[mg/l]
Conc RSD	*1.64756963*	*1.08564136*	*0.76413617*	*8.60288156*	*0.76654362*	*0.76995254*	*302.89036629*
Conc SD	*0.00040261[mg/l]*	*0.00205437[mg/l]*	*0.30785900[mg/l]*	*0.21220900[mg/l]*	*0.02807420[mg/l]*	*0.00233947[mg/l]*	*0.00010711[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	45749.80000000	15185.30000000	136780	3903.76000000	3380.83000000	5407.02000000	5481.25000000
Int RSD	*0.23647316*	*0.10080802*	*0.48657114*	*0.59122231*	*0.16302653*	*0.35505510*	*1.76929532*
Int SD	*108.18600000*	*15.30800000*	*665.53200000*	*23.07990000*	*5.51165000*	*19.19790000*	*96.97950000*
RelInt Mean	0.13912700	0.00715728	0.09346610	0.00010929	0.00006878	0.00110795	0.01640170
RelInt RSD	*1.46045699*	*0.31784281*	*0.55237246*	*25.34284303*	*6.94735710*	*1.63562435*	*2.76594499*
RelInt SD	*0.00203189*	*0.00002275*	*0.00051628*	*0.00002770*	*0.00000478*	*0.00001812*	*0.00045366*
Conc Mean	3.28448000[mg/l]	0.05890110[mg/l]	2.58701000[mg/l]	0.00543680[mg/l]	0.00339266[mg/l]	0.01730980[mg/l]	0.01197220[mg/l]
Conc RSD	*1.98746225*	*0.32482585*	*0.55209296*	*23.73675692*	*9.00048929*	*1.85008492*	*2.76747799*
Conc SD	*0.06527780[mg/l]*	*0.00019133[mg/l]*	*0.01428270[mg/l]*	*0.00129052[mg/l]*	*0.00030536[mg/l]*	*0.00032025[mg/l]*	*0.00033133[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	465485	3000.95000000	10588.60000000	1411180	27350200	279199	227873
Int RSD	*3.81140101*	*0.35306486*	*1.01840659*	*0.11683201*	*0.79686437*	*1.03550872*	*0.44074111*
Int SD	*17741.50000000*	*10.59530000*	*107.83500000*	*1648.71000000*	*217944*	*2891.13000000*	*1004.33000000*
RelInt Mean	0.01555740	-0.00022255	0.00009035	---	---	---	0.15973100
RelInt RSD	*3.88659416*	*2.95939321*	*1.64000164*	---	---	---	*0.53361214*
RelInt SD	*0.00060465*	*0.00000659*	*0.00000148*	---	---	---	*0.00085234*
Conc Mean	0.12815700[mg/l]	<-0.01023860[mg/l]	0.00782316[mg/l]	1404380	27291100	278048	0.56945600[mg/l]
Conc RSD	*3.88491460*	*3.82541558*	*3.14569816*	---	---	---	*0.53468047*
Conc SD	*0.00497879[mg/l]*	*0.00039167[mg/l]*	*0.00024609[mg/l]*	*1675.78000000*	*217918*	*2927.31000000*	*0.00304477[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-37.16120000	5438.57000000	106298	19280.80000000	4927.29000000	64851.00000000	
Int RSD	*237.36612381*	*1.21901713*	*1.75022108*	*0.44134631*	*0.65025602*	*0.16096745*	
Int SD	*88.20810000*	*66.29710000*	*1860.45000000*	*85.09510000*	*32.04000000*	*104.38900000*	
RelInt Mean	-0.00077100	0.00088874	0.07217820	0.01085290	-0.00005945	0.04313660	
RelInt RSD	*46.69280585*	*44.05201533*	*1.76468795*	*0.52807821*	*27.68705423*	*0.10727758*	
RelInt SD	*0.00036000*	*0.00039151*	*0.00127372*	*0.00005731*	*0.00001646*	*0.00004628*	
Conc Mean	<-0.00080250[mg/l]	<0.00060400[mg/l]	1.14662000[mg/l]	0.34234800[mg/l]	<-0.00057767[mg/l]	3.08836000[mg/l]	
Conc RSD	*128.02958747*	*417.43088128*	*1.79838133*	*0.53738009*	*11.16647105*	*0.11194194*	
Conc SD	*0.00102744[mg/l]*	*0.00252127[mg/l]*	*0.02062060[mg/l]*	*0.00183971[mg/l]*	*0.00006451[mg/l]*	*0.00345717[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC1018084
Seqnum : 482409496061.1 Matrix : Wipe
File : met06_master Batch : 298645 Time : 11-OCT-2022 12:33
Cal : 482409496001 Caldate : 11-OCT-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	-0.0006669	ND	0.50	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1403580	1394280	-0.66

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC1018084,298645			Sample Type: Unknown Sample
Measure Date: 2022-10-11 12:33:51	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	38406.00000000	1448.65000000	2163.81000000	4735.52000000	4985.23000000	1036.18000000	4537.90000000
Int RSD	*0.75328074*	*8.70113554*	*0.56406062*	*0.26023330*	*0.33904755*	*3.55174777*	*0.22413892*
Int SD	*289.30500000*	*126.04900000*	*12.20520000*	*12.32340000*	*16.90230000*	*36.80250000*	*10.17120000*
RelInt Mean	0.00003599	0.00145204	-0.00007280	0.00032809	0.00018500	0.00299500	0.00002504
RelInt RSD	*20.18020922*	*16.27138371*	*1.91653823*	*3.78492965*	*4.77113142*	*7.69569282*	*39.34198387*
RelInt SD	*0.00000726*	*0.00023627*	*0.00000140*	*0.00001242*	*0.00000883*	*0.00023049*	*0.00000985*
Conc Mean	<0.00001080[mg/l]	<0.02015290[mg/l]	<0.00087727[mg/l]	<0.00114836[mg/l]	0.00023179[mg/l]	0.11914600[mg/l]	<0.00013506[mg/l]
Conc RSD	*2503.80923288*	*134.82476467*	*8.59802090*	*14.14817653*	*10.89138641*	*10.24448995*	*40.91801604*
Conc SD	*0.00027048[mg/l]*	*0.02717110[mg/l]*	*0.00007543[mg/l]*	*0.00016247[mg/l]*	*0.00002524[mg/l]*	*0.01220590[mg/l]*	*0.00005527[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4448.02000000	36347.30000000	19421.00000000	140.03400000	1569.90000000	7195.72000000	3196.63000000
Int RSD	*0.79568887*	*0.80821959*	*9.68389887*	*63.70931345*	*6.31699471*	*0.38722185*	*1.08582789*
Int SD	*35.39240000*	*293.76600000*	*1880.71000000*	*89.21470000*	*99.17050000*	*27.86340000*	*34.70990000*
RelInt Mean	0.00009192	0.00014098	0.00976258	-0.00012022	0.00013826	0.00098279	0.00017353
RelInt RSD	*28.71950749*	*2.78930195*	*14.04700397*	*228.29430604*	*360.95765072*	*1.04460177*	*18.32706171*
RelInt SD	*0.00002640*	*0.00000393*	*0.00137135*	*0.00027444*	*0.00049904*	*0.00001027*	*0.00003180*
Conc Mean	0.00033324[mg/l]	<0.00012926[mg/l]	0.02938140[mg/l]	<-0.03252470[mg/l]	<0.03722550[mg/l]	0.00024649[mg/l]	0.00102357[mg/l]
Conc RSD	*52.67678162*	*85.77694914*	*14.51220840*	*422.67568955*	*311.10126123*	*2.47912043*	*20.86110378*
Conc SD	*0.00017554[mg/l]*	*0.00011088[mg/l]*	*0.00426389[mg/l]*	*0.13747400[mg/l]*	*0.11580900[mg/l]*	*0.00000611[mg/l]*	*0.00021353[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17553.70000000	5092.03000000	5090.12000000	3475.94000000	2565.14000000	2258.16000000	861.91200000
Int RSD	*0.58005435*	*0.56826060*	*0.38794370*	*1.35944234*	*0.38930858*	*1.33862968*	*9.04612072*
Int SD	*101.82100000*	*28.93600000*	*19.74680000*	*47.25340000*	*9.98631000*	*30.22840000*	*77.96960000*
RelInt Mean	0.03663770	0.00019960	-0.00001832	0.00016718	0.00002080	0.00007456	-0.00018356
RelInt RSD	*0.18239163*	*10.13372078*	*156.23928544*	*20.03475234*	*42.69195270*	*30.13178507*	*138.01318370*
RelInt SD	*0.00006682*	*0.00002023*	*0.00002862*	*0.00003349*	*0.00000888*	*0.00002247*	*0.00025334*
Conc Mean	<-0.00794257[mg/l]	0.00036926[mg/l]	<-0.00066693[mg/l]	0.00827859[mg/l]	<0.00032667[mg/l]	<-0.00095252[mg/l]	<-0.00013859[mg/l]
Conc RSD	*27.02022141*	*46.07976949*	*118.34558101*	*18.86673938*	*173.72776029*	*41.68195060*	*133.47619666*
Conc SD	*0.00214610[mg/l]*	*0.00017016[mg/l]*	*0.00078928[mg/l]*	*0.00156190[mg/l]*	*0.00056751[mg/l]*	*0.00039703[mg/l]*	*0.00018499[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	53774.80000000	2162.22000000	9161.51000000	1394280	28247100	290076	4259.47000000
Int RSD	*6.62566853*	*0.88615867*	*0.55631332*	*0.28901010*	*0.31960697*	*1.09899130*	*1.54256750*
Int SD	*3562.94000000*	*19.16070000*	*50.96670000*	*4029.61000000*	*90279.70000000*	*3187.91000000*	*65.70520000*
RelInt Mean	0.00045263	-0.00007873	0.00004057	---	---	---	0.00088371
RelInt RSD	*25.69813889*	*14.43151780*	*4.55627180*	---	---	---	*5.27601281*
RelInt SD	*0.00011632*	*0.00001136*	*0.00000185*	---	---	---	*0.00004662*
Conc Mean	0.00377684[mg/l]	<-0.00112157[mg/l]	<-0.00044420[mg/l]	1387850	28188000	288889	0.00214109[mg/l]
Conc RSD	*25.36040711*	*62.02698004*	*69.08187547*	---	---	---	*7.78103676*
Conc SD	*0.00095782[mg/l]*	*0.00069568[mg/l]*	*0.00030686[mg/l]*	*3997.14000000*	*90088.60000000*	*3199.56000000*	*0.00016660[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-41.35040000	5221.32000000	9532.61000000	3167.92000000	4607.94000000	4076.56000000	
Int RSD	*241.03974810*	*1.71580558*	*0.90423609*	*1.15939796*	*0.53947534*	*3.69556685*	
Int SD	*99.67090000*	*89.58770000*	*86.19730000*	*36.72880000*	*24.85870000*	*150.65200000*	
RelInt Mean	-0.00080209	0.00027529	0.00361541	0.00040169	0.00008138	0.00060061	
RelInt RSD	*26.61197621*	*106.44307053*	*1.60988657*	*4.60130000*	*12.52898265*	*17.33870565*	
RelInt SD	*0.00021345*	*0.00029302*	*0.00005820*	*0.00001848*	*0.00001020*	*0.00010414*	
Conc Mean	<-0.00089123[mg/l]	<-0.00334655[mg/l]	0.03672640[mg/l]	0.00701754[mg/l]	<-0.00003772[mg/l]	<-0.08784130[mg/l]	
Conc RSD	*68.35370602*	*56.38762307*	*2.56228217*	*8.45081040*	*98.38149952*	*8.85236216*	
Conc SD	*0.00060919[mg/l]*	*0.00188704[mg/l]*	*0.00094103[mg/l]*	*0.00059304[mg/l]*	*0.00003711[mg/l]*	*0.00777603[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 470417 METALS Wipe
EPA 6010B

Type : BS
Inst : MET06
Seqnum : 482409496064.1
File : met06_master
IDF : 1.0
Lab ID : QC1018085
Matrix : Wipe
Batch : 298645
Time : 11-OCT-2022 12:43
Cal : 482409496001
Units : ug/ft2

Type : BSD
Inst : MET06
Seqnum : 482409496065.1
File : met06_master
IDF : 1.0
Lab ID : QC1018086
Matrix : Wipe
Batch : 298645
Time : 11-OCT-2022 12:46
Cal : 482409496001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.085	108.5	A	109	1.080	108.0	A	108	80-120	0	20	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1403580	1361370	-3.01

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1403580	1366240	-2.66

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC1018085,298645			Sample Type: Unknown Sample
Measure Date: 2022-10-11 12:43:35	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	388507	3989.32000000	28279.60000000	101574	525304	6985.26000000	273336
Int RSD	*0.58359566*	*2.91984599*	*0.14271949*	*0.59799555*	*0.59628901*	*1.78193797*	*0.39699857*
Int SD	*2267.31000000*	*116.48200000*	*40.36050000*	*607.40800000*	*3132.33000000*	*124.47300000*	*1085.14000000*
RelInt Mean	0.01267980	0.01022110	0.01910230	0.07170570	0.38401300	0.02440270	0.19808500
RelInt RSD	*0.63738466*	*3.33020908*	*0.56141931*	*0.71784670*	*0.70024713*	*1.33366390*	*0.36531439*
RelInt SD	*0.00008082*	*0.00034038*	*0.00010724*	*0.00051474*	*0.00268904*	*0.00032545*	*0.00072363*
Conc Mean	0.47086000[mg/l]	1.02861000[mg/l]	1.03514000[mg/l]	0.93502500[mg/l]	1.06173000[mg/l]	1.25280000[mg/l]	1.11798000[mg/l]
Conc RSD	*0.63919849*	*3.80560173*	*0.55908766*	*0.72024919*	*0.69970237*	*1.37571839*	*0.36447879*
Conc SD	*0.00300973[mg/l]*	*0.03914480[mg/l]*	*0.00578734[mg/l]*	*0.00673451[mg/l]*	*0.00742895[mg/l]*	*0.01723500[mg/l]*	*0.00407480[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	221708	1024480	496940	4952.41000000	3127.45000000	2493880	217924
Int RSD	*0.12832239*	*0.97022197*	*1.09818892*	*1.15047421*	*1.29311420*	*0.72841917*	*0.71631853*
Int SD	*284.50100000*	*9939.73000000*	*5457.34000000*	*56.97620000*	*40.44150000*	*18165.90000000*	*1561.03000000*
RelInt Mean	0.16001100	0.03590600	0.36225000	0.01727790	0.00549589	1.83613000	0.15850600
RelInt RSD	*0.61832124*	*0.95611597*	*0.87018081*	*1.18993628*	*2.73280579*	*0.28750470*	*0.96825357*
RelInt SD	*0.00098938*	*0.00034330*	*0.00315223*	*0.00020560*	*0.00015019*	*0.00527896*	*0.00153474*
Conc Mean	1.06370000[mg/l]	1.00866000[mg/l]	1.12533000[mg/l]	8.68250000[mg/l]	1.28053000[mg/l]	1.09264000[mg/l]	1.06407000[mg/l]
Conc RSD	*0.61827959*	*0.95967720*	*0.87117290*	*1.18609847*	*2.72177926*	*0.28750458*	*0.96800962*
Conc SD	*0.00657664[mg/l]*	*0.00967988[mg/l]*	*0.00980357[mg/l]*	*0.10298300[mg/l]*	*0.03485320[mg/l]*	*0.00314139[mg/l]*	*0.01030030[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	26582.50000000	178641	58528.60000000	31159.20000000	21585.40000000	2532.21000000	412806
Int RSD	*0.53723690*	*0.70828645*	*0.12457106*	*0.43278069*	*0.62810511*	*1.39753812*	*0.13674050*
Int SD	*142.81100000*	*1265.29000000*	*72.90970000*	*134.85100000*	*135.57900000*	*35.38860000*	*564.47300000*
RelInt Mean	0.06930400	0.12801700	0.03922120	0.02045190	0.01398300	0.00017254	1.47155000
RelInt RSD	*1.16704231*	*0.60661318*	*0.44512407*	*1.04706653*	*0.56713438*	*14.12179275*	*0.40188713*
RelInt SD	*0.00080881*	*0.00077657*	*0.00017458*	*0.00021415*	*0.00007930*	*0.00002437*	*0.00591397*
Conc Mean	1.04144000[mg/l]	1.07564000[mg/l]	1.08549000[mg/l]	0.94825200[mg/l]	0.89256200[mg/l]	<0.00077896[mg/l]	1.07454000[mg/l]
Conc RSD	*2.49505492*	*0.60762709*	*0.44511603*	*1.04936979*	*0.56779137*	*55.27827595*	*0.40218791*
Conc SD	*0.02598450[mg/l]*	*0.00653588[mg/l]*	*0.00483169[mg/l]*	*0.00995067[mg/l]*	*0.00506789[mg/l]*	*0.00043059[mg/l]*	*0.00432167[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3581660	26657.50000000	180002	1361370	27585100	281008	409491
Int RSD	*1.31286610*	*0.20925818*	*1.12008200*	*0.61325944*	*0.56193380*	*0.47062717*	*0.29979658*
Int SD	*47022.40000000*	*55.78300000*	*2016.17000000*	*8348.73000000*	*155010*	*1322.50000000*	*1227.64000000*
RelInt Mean	0.12839800	0.01782560	0.00623076	---	---	---	0.29975600
RelInt RSD	*1.41032571*	*0.82315322*	*1.10370484*	---	---	---	*0.59592135*
RelInt SD	*0.00181083*	*0.00014673*	*0.00006877*	---	---	---	*0.00178631*
Conc Mean	1.05734000[mg/l]	1.08957000[mg/l]	1.02709000[mg/l]	1354700	27525500	279824	1.06904000[mg/l]
Conc RSD	*1.41033159*	*0.82349000*	*1.11150922*	---	---	---	*0.59622652*
Conc SD	*0.01491200[mg/l]*	*0.00897250[mg/l]*	*0.01141620[mg/l]*	*8357.33000000*	*154690*	*1386.63000000*	*0.00637390[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	101620	52223.90000000	152235	3779.21000000	388625	4063.12000000	
Int RSD	*1.02672702*	*0.13212188*	*0.28807107*	*1.95280495*	*0.47080090*	*1.42028540*	
Int SD	*1043.36000000*	*68.99920000*	*438.54500000*	*73.80060000*	*1829.65000000*	*57.70790000*	
RelInt Mean	0.36241400	0.16696200	0.10885700	0.00076669	0.28302700	0.00051434	
RelInt RSD	*1.49931570*	*0.58006013*	*0.50765683*	*6.69178777*	*0.23518958*	*7.28972889*	
RelInt SD	*0.00543373*	*0.00096848*	*0.00055262*	*0.00005131*	*0.00066565*	*0.00003749*	
Conc Mean	1.03572000[mg/l]	1.07009000[mg/l]	1.71642000[mg/l]	0.01872840[mg/l]	1.02170000[mg/l]	<-0.09428350[mg/l]	
Conc RSD	*1.49720967*	*0.58292574*	*0.50820662*	*8.78937870*	*0.23541255*	*2.96939549*	
Conc SD	*0.01550690[mg/l]*	*0.00623783[mg/l]*	*0.00872296[mg/l]*	*0.00164611[mg/l]*	*0.00240521[mg/l]*	*0.00279965[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC1018086,298645			Sample Type: Unknown Sample
Measure Date: 2022-10-11 12:46:50	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	390441	4282.85000000	28447.10000000	101969	527376	7068.43000000	272878
Int RSD	*0.42573398*	*2.26202178*	*0.46871562*	*0.08270621*	*0.20676140*	*3.29131080*	*0.23547629*
Int SD	*1662.24000000*	*96.87900000*	*133.33600000*	*84.33470000*	*1090.41000000*	*232.64400000*	*642.56300000*
RelInt Mean	0.01284480	0.01121800	0.01914130	0.07171880	0.38414100	0.02443830	0.19702400
RelInt RSD	*0.87604322*	*1.42086825*	*0.35080846*	*0.20896334*	*0.29869241*	*3.20256728*	*0.34511684*
RelInt SD	*0.00011253*	*0.00015939*	*0.00006715*	*0.00014987*	*0.00114740*	*0.00078265*	*0.00067996*
Conc Mean	0.47700400[mg/l]	1.14324000[mg/l]	1.03725000[mg/l]	0.93519600[mg/l]	1.06210000[mg/l]	1.25468000[mg/l]	1.11197000[mg/l]
Conc RSD	*0.87866349*	*1.60356531*	*0.34980092*	*0.20967369*	*0.29832690*	*3.30324864*	*0.34179789*
Conc SD	*0.00419126[mg/l]*	*0.01833260[mg/l]*	*0.00362831[mg/l]*	*0.00196086[mg/l]*	*0.00316853[mg/l]*	*0.04144520[mg/l]*	*0.00380069[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	221294	1025530	496272	5241.59000000	3086.96000000	2495290	218181
Int RSD	*0.15069771*	*0.92705235*	*0.31773302*	*4.97202185*	*5.50872055*	*0.40961972*	*0.27364161*
Int SD	*333.48500000*	*9507.20000000*	*1576.82000000*	*260.61300000*	*170.05200000*	*10221.20000000*	*597.03400000*
RelInt Mean	0.15918900	0.03623850	0.36045300	0.01811600	0.00509821	1.83059000	0.15809800
RelInt RSD	*0.38345928*	*1.30819708*	*0.48529489*	*4.14921616*	*7.66518052*	*0.42540492*	*0.48882971*
RelInt SD	*0.00061043*	*0.00047407*	*0.00174926*	*0.00075167*	*0.00039079*	*0.00778742*	*0.00077283*
Conc Mean	1.05823000[mg/l]	1.01804000[mg/l]	1.11974000[mg/l]	9.10234000[mg/l]	1.18824000[mg/l]	1.08935000[mg/l]	1.06133000[mg/l]
Conc RSD	*0.38342704*	*1.31284625*	*0.48590744*	*4.13649677*	*7.63233017*	*0.42559416*	*0.48892145*
Conc SD	*0.00405754[mg/l]*	*0.01336530[mg/l]*	*0.00544090[mg/l]*	*0.37651800[mg/l]*	*0.09069040[mg/l]*	*0.00463621[mg/l]*	*0.00518907[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	26570.20000000	179378	58458.20000000	31738.10000000	22071.90000000	2435.31000000	414587
Int RSD	*0.94712874*	*0.21556322*	*0.33441502*	*1.04186766*	*0.31551701*	*1.67643544*	*1.09914445*
Int SD	*251.65400000*	*386.67300000*	*195.49300000*	*330.66900000*	*69.64060000*	*40.82640000*	*4556.91000000*
RelInt Mean	0.06856660	0.12805900	0.03902860	0.02079920	0.01426620	0.00009490	1.46443000
RelInt RSD	*1.63616105*	*0.27469994*	*0.14295491*	*0.90169333*	*0.67334259*	*33.31050122*	*0.59949332*
RelInt SD	*0.00112186*	*0.00035178*	*0.00005579*	*0.00018754*	*0.00009606*	*0.00003161*	*0.00877916*
Conc Mean	1.01776000[mg/l]	1.07599000[mg/l]	1.08014000[mg/l]	0.96448300[mg/l]	0.91065700[mg/l]	<-0.00059316[mg/l]	1.06934000[mg/l]
Conc RSD	*3.54121797*	*0.27513639*	*0.14344622*	*0.90946963*	*0.67411550*	*94.17680162*	*0.59930331*
Conc SD	*0.03604110[mg/l]*	*0.00296044[mg/l]*	*0.00154942[mg/l]*	*0.00877168[mg/l]*	*0.00613888[mg/l]*	*0.00055862[mg/l]*	*0.00640859[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3576650	26597.90000000	179666	1366240	27358600	283544	411741
Int RSD	*1.77846309*	*0.09821753*	*0.96422807*	*0.26544824*	*0.61762663*	*0.78814928*	*0.40857967*
Int SD	*63609.40000000*	*26.12380000*	*1732.39000000*	*3626.66000000*	*168974*	*2234.75000000*	*1682.29000000*
RelInt Mean	0.12927500	0.01774030	0.00626555	---	---	---	0.30032400
RelInt RSD	*2.36568555*	*0.30125815*	*1.34341439*	---	---	---	*0.42521077*
RelInt SD	*0.00305824*	*0.00005344*	*0.00008417*	---	---	---	*0.00127701*
Conc Mean	1.06456000[mg/l]	1.08433000[mg/l]	1.03286000[mg/l]	1359580	27298900	282335	1.07107000[mg/l]
Conc RSD	*2.36569099*	*0.29477465*	*1.35296168*	---	---	---	*0.42559497*
Conc SD	*0.02518420[mg/l]*	*0.00319633[mg/l]*	*0.01397420[mg/l]*	*3587.03000000*	*169046*	*2249.01000000*	*0.00455842[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	101403	53077.20000000	120141	3756.66000000	390410	4015.36000000	
Int RSD	*0.58357741*	*0.39113781*	*0.37482375*	*0.34781961*	*0.16439410*	*0.46777375*	
Int SD	*591.76500000*	*207.60500000*	*450.31700000*	*13.06640000*	*641.81100000*	*18.78280000*	
RelInt Mean	0.35820000	0.16807800	0.08487130	0.00074404	0.28330000	0.00046330	
RelInt RSD	*1.37064210*	*1.63787051*	*0.50644211*	*2.22095436*	*0.43158136*	*4.08367346*	
RelInt SD	*0.00490964*	*0.00275290*	*0.00042982*	*0.00001652*	*0.00122267*	*0.00001892*	
Conc Mean	1.02369000[mg/l]	1.07728000[mg/l]	1.32821000[mg/l]	0.01800170[mg/l]	1.02268000[mg/l]	<-0.09809430[mg/l]	
Conc RSD	*1.36902773*	*1.64594163*	*0.51510454*	*2.94546626*	*0.43400575*	*1.44019581*	
Conc SD	*0.01401460[mg/l]*	*0.01773140[mg/l]*	*0.00684167[mg/l]*	*0.00053023[mg/l]*	*0.00443849[mg/l]*	*0.00141275[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 470417 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482409496001	Date:	11-OCT-2022 08:56
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482409496002	L1	11-OCT-2022 08:59	S17110, S13369 (100X)
L2	met06_master	482409496003	L2	11-OCT-2022 09:03	S17109, S13369 (100X)
L3	met06_master	482409496004	L3	11-OCT-2022 09:06	S17108, S13369 (100X)
L4	met06_master	482409496005	L4	11-OCT-2022 09:09	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0266	0.0393	0.0383	0.0361	WB1K	-0.0002	27.6865		0.0351	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	**-31**	0.1000	9	1.0000	6	10.000	0

SBW 10/11/22 : Al low std out

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482409496001 Cal Date : 11-OCT-2022

ICV 482409496010 (11-OCT-2022) stds: S17366, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9422	mg/l	-6	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-10-11 08:56:29	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	35040.00000000	1415.63000000	1990.53000000	4317.18000000	4576.54000000	330.30000000	4238.89000000
Int RSD	*1.27170947*	*4.45575468*	*1.35906015*	*0.90876683*	*0.39657252*	*11.66524372*	*0.65512198*
Int SD	*445.60700000*	*63.07700000*	*27.05250000*	*39.23310000*	*18.14930000*	*38.53030000*	*27.76990000*
RelInt Mean	0.00003570	0.00127625	-0.00008957	0.00024157	0.00008765	0.00073317	-0.00000624
RelInt RSD	*18.22200250*	*32.52999021*	*43.15947310*	*11.04446781*	*21.19315531*	*25.00412591*	*71.45540102*
RelInt SD	*0.00000651*	*0.00041516*	*0.00003866*	*0.00002668*	*0.00001858*	*0.00018332*	*0.00000446*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4069.81000000	33602.60000000	5913.20000000	53.87550000	1592.24000000	6121.94000000	2795.95000000
Int RSD	*0.14557584*	*0.72558373*	*0.40501928*	*123.51031545*	*5.79945234*	*1.19800749*	*0.28086160*
Int SD	*5.92466000*	*243.81500000*	*23.94960000*	*66.54180000*	*92.34120000*	*73.34130000*	*7.85275000*
RelInt Mean	0.00003652	0.00013626	0.00027608	-0.00005529	-0.00002638	0.00045741	0.00002020
RelInt RSD	*56.59888608*	*6.16432194*	*17.39763985*	*71.74004663*	*1351.63952135*	*18.66613031*	*94.71605476*
RelInt SD	*0.00002067*	*0.00000840*	*0.00004803*	*0.00003966*	*0.00035660*	*0.00008538*	*0.00001914*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18457.70000000	4775.93000000	4800.48000000	3031.48000000	2364.12000000	2176.66000000	899.26000000
Int RSD	*0.86452808*	*0.28180899*	*0.64624579*	*0.85757782*	*0.33929750*	*0.67624709*	*9.46228010*
Int SD	*159.57200000*	*13.45900000*	*31.02290000*	*25.99730000*	*8.02140000*	*14.71960000*	*85.09050000*
RelInt Mean	0.03687890	0.00014984	0.00000334	-0.00001104	0.00001558	0.00012686	-0.00001617
RelInt RSD	*1.68211091*	*6.12872721*	*1292.16929665*	*47.04011303*	*48.30001284*	*4.16749961*	*2829.87695542*
RelInt SD	*0.00062034*	*0.00000918*	*0.00004318*	*0.00000519*	*0.00000752*	*0.00000529*	*0.00045768*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	37191.60000000	1975.45000000	8395.23000000	1403580	29012300	307858	3235.67000000
Int RSD	*1.11565784*	*0.45953530*	*2.14371733*	*0.11191453*	*1.10908132*	*1.35062269*	*0.91901832*
Int SD	*414.93100000*	*9.07789000*	*179.97000000*	*1570.81000000*	*321770*	*4158.00000000*	*29.73640000*
RelInt Mean	-0.00000661	-0.00006285	0.00004324	---	---	---	0.00028296
RelInt RSD	*18.99657466*	*30.30557138*	*8.89893362*	---	---	---	*10.01904836*
RelInt SD	*0.00000126*	*0.00001905*	*0.00000385*	---	---	---	*0.00002835*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	14.59300000	5483.89000000	6069.93000000	2812.32000000	4331.61000000	5643.12000000	
Int RSD	*199.20783938*	*2.81362318*	*1.30094087*	*3.35343773*	*0.65166532*	*1.27773997*	
Int SD	*29.07040000*	*154.29600000*	*78.96620000*	*94.30940000*	*28.22760000*	*72.10440000*	
RelInt Mean	-0.00048982	0.00079420	0.00134520	0.00018298	0.00008703	0.00177699	
RelInt RSD	*42.75614263*	*24.85520020*	*7.22314154*	*30.57198133*	*31.50637398*	*3.95458613*	
RelInt SD	*0.00020943*	*0.00019740*	*0.00009717*	*0.00005594*	*0.00002742*	*0.00007027*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S17110			Sample Type: Calibration Sample
Measure Date: 2022-10-11 08:59:46	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	36333.00000000	1475.77000000	2143.86000000	4795.65000000	6424.11000000	737.43200000	4807.51000000
Int RSD	*0.44041780*	*4.12111643*	*0.65144179*	*1.03214580*	*0.65235651*	*0.66197426*	*0.76421058*
Int SD	*160.01700000*	*60.81820000*	*13.96600000*	*49.49810000*	*41.90810000*	*4.88161000*	*36.73950000*
RelInt Mean	0.00003033	0.00161867	-0.00000413	0.00054482	0.00137601	0.00204504	0.00033751
RelInt RSD	*7.34276294*	*5.51293346*	*126.89417893*	*2.49234615*	*1.89590192*	*4.38376266*	*2.96016165*
RelInt SD	*0.00000223*	*0.00008924*	*0.00000524*	*0.00001358*	*0.00002609*	*0.00008965*	*0.00000999*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4934.92000000	37695.00000000	9393.06000000	227.10700000	1667.69000000	14282.40000000	3592.70000000
Int RSD	*0.48126819*	*0.56771720*	*0.55976966*	*18.91861545*	*2.43406748*	*1.12165322*	*0.70833078*
Int SD	*23.75020000*	*214.00100000*	*52.57950000*	*42.96550000*	*40.59270000*	*160.19900000*	*25.44820000*
RelInt Mean	0.00061465	0.00024430	0.00275218	0.00040535	0.00048899	0.00634789	0.00056548
RelInt RSD	*3.58274397*	*1.71993811*	*0.96756389*	*10.09396864*	*51.03724851*	*2.37467883*	*4.21279734*
RelInt SD	*0.00002202*	*0.00000420*	*0.00002663*	*0.00004092*	*0.00024957*	*0.00015074*	*0.00002382*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	23808.20000000	5427.24000000	5014.19000000	3411.75000000	2647.24000000	2479.59000000	8328.94000000
Int RSD	*0.99818970*	*0.64002145*	*1.40105979*	*0.57472265*	*1.15398679*	*0.51703306*	*1.76431815*
Int SD	*237.65100000*	*34.73550000*	*70.25180000*	*19.60810000*	*30.54880000*	*12.82030000*	*146.94900000*
RelInt Mean	0.05565480	0.00056817	0.00008871	0.00021752	0.00018647	0.00032065	0.02456620
RelInt RSD	*1.65997901*	*3.37702315*	*12.77766003*	*1.72068829*	*2.10737211*	*3.98406971*	*2.38112529*
RelInt SD	*0.00092386*	*0.00001919*	*0.00001133*	*0.00000374*	*0.00000393*	*0.00001277*	*0.00058495*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	50351.40000000	2267.97000000	9187.46000000	1376180	28059000	301713	7462.31000000
Int RSD	*0.33302748*	*0.82122779*	*0.73443912*	*0.30970295*	*0.83650522*	*0.76819693*	*0.70675300*
Int SD	*167.68400000*	*18.62520000*	*67.47630000*	*4262.07000000*	*234715*	*2317.75000000*	*52.74010000*
RelInt Mean	0.00041402	0.00011501	0.00006052	---	---	---	0.00332504
RelInt RSD	*1.15907290*	*15.38535779*	*8.93427101*	---	---	---	*1.49272189*
RelInt SD	*0.00000480*	*0.00001769*	*0.00000541*	---	---	---	*0.00004963*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	53.57830000	5507.48000000	14405.90000000	47962.60000000	5088.96000000	25000.50000000	
Int RSD	*304.29110293*	*1.91022028*	*0.98091754*	*0.38732471*	*0.60343371*	*0.77882842*	
Int SD	*163.03400000*	*105.20500000*	*141.31000000*	*185.77100000*	*30.70850000*	*194.71100000*	
RelInt Mean	-0.00039565	0.00104471	0.00736577	0.03309470	0.00055493	0.01590150	
RelInt RSD	*130.06606816*	*18.52887404*	*1.75469774*	*0.64956020*	*4.73995012*	*0.92904443*	
RelInt SD	*0.00051461*	*0.00019357*	*0.00012925*	*0.00021497*	*0.00002630*	*0.00014773*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S17109			Sample Type: Calibration Sample
Measure Date: 2022-10-11 09:03:04	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	36644.60000000	1985.95000000	4794.38000000	15048.80000000	57086.90000000	373.39100000	17697.70000000
Int RSD	*0.62916501*	*2.30153327*	*1.15929901*	*0.38666007*	*0.75144560*	*11.60587695*	*0.55070885*
Int SD	*230.55500000*	*45.70730000*	*55.58120000*	*58.18770000*	*428.97700000*	*43.33530000*	*97.46280000*
RelInt Mean	0.00003233	0.00332148	0.00189146	0.00792622	0.03812880	0.00083124	0.00965254
RelInt RSD	*42.62516664*	*13.62531161*	*2.99748343*	*1.48124831*	*0.74274302*	*21.44213985*	*0.63218075*
RelInt SD	*0.00001378*	*0.00045256*	*0.00005670*	*0.00011741*	*0.00028320*	*0.00017824*	*0.00006102*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	26410.00000000	132902	101098	111.50700000	1637.92000000	256836	24054.10000000
Int RSD	*0.21784703*	*0.96115183*	*0.36217630*	*58.87442044*	*1.11559783*	*0.18362029*	*1.18011898*
Int SD	*57.53340000*	*1277.39000000*	*366.15300000*	*65.64910000*	*18.27260000*	*471.60300000*	*283.86700000*
RelInt Mean	0.01614200	0.00364183	0.06931700	-0.00004508	0.00002837	0.18246200	0.01538700
RelInt RSD	*0.62472432*	*1.06461587*	*0.47663488*	*437.66011671*	*259.38150000*	*0.67938530*	*0.91358939*
RelInt SD	*0.00010084*	*0.00003877*	*0.00033039*	*0.00019732*	*0.00007357*	*0.00123962*	*0.00014057*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18630.00000000	22469.50000000	10379.00000000	11888.30000000	9095.21000000	10453.40000000	213123
Int RSD	*0.28207300*	*0.82858987*	*0.15352057*	*1.79556371*	*0.39230100*	*0.17700652*	*1.14091393*
Int SD	*52.55020000*	*186.18000000*	*15.93390000*	*213.46200000*	*35.68060000*	*18.50320000*	*2431.55000000*
RelInt Mean	0.03840860	0.01288400	0.00392896	0.00633599	0.00483747	0.00608411	0.70974400
RelInt RSD	*0.74760600*	*1.29321639*	*1.30912506*	*1.48388650*	*0.48555340*	*0.94614003*	*0.59250800*
RelInt SD	*0.00028714*	*0.00016662*	*0.00005143*	*0.00009402*	*0.00002349*	*0.00005756*	*0.00420529*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	382456	9325.87000000	17270.80000000	1382050	27978100	300085	120813
Int RSD	*1.24703495*	*0.60805051*	*1.05370915*	*0.75573966*	*0.26881418*	*0.74447573*	*0.21958978*
Int SD	*4769.36000000*	*56.70600000*	*181.98400000*	*10444.70000000*	*75209.10000000*	*2234.06000000*	*265.29300000*
RelInt Mean	0.01227740	0.00521654	0.00034811	---	---	---	0.08562830
RelInt RSD	*1.18986105*	*0.56131842*	*2.22332532*	---	---	---	*0.56187382*
RelInt SD	*0.00014608*	*0.00002928*	*0.00000774*	---	---	---	*0.00048112*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	4685.90000000	10332.00000000	6274.96000000	3010.53000000	24783.30000000	6137.81000000	
Int RSD	*2.48266075*	*1.13313008*	*0.49232824*	*1.79155165*	*0.56154346*	*2.05130169*	
Int SD	*116.33500000*	*117.07500000*	*30.89340000*	*53.93520000*	*139.16900000*	*125.90500000*	
RelInt Mean	0.01511760	0.01684890	0.00138081	0.00027350	0.01482020	0.00209395	
RelInt RSD	*4.22294544*	*2.82937165*	*3.89884923*	*14.25600450*	*1.46875886*	*2.56587789*	
RelInt SD	*0.00063841*	*0.00047672*	*0.00005384*	*0.00003899*	*0.00021767*	*0.00005373*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S17108			Sample Type: Calibration Sample
Measure Date: 2022-10-11 09:06:21	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	37051.60000000	6644.81000000	28173.80000000	107348	514804	372.75900000	130664
Int RSD	*0.17804656*	*1.56911936*	*0.60390860*	*0.92885568*	*0.59452530*	*9.32133094*	*0.52690871*
Int SD	*65.96910000*	*104.26500000*	*170.14400000*	*997.10800000*	*3060.64000000*	*34.74610000*	*688.48000000*
RelInt Mean	0.00001891	0.01894240	0.01887210	0.07523810	0.37208600	0.00082456	0.09193610
RelInt RSD	*49.99994712*	*2.48388800*	*0.91182751*	*1.16820467*	*0.92874497*	*38.56541671*	*0.98031459*
RelInt SD	*0.00000946*	*0.00047051*	*0.00017208*	*0.00087894*	*0.00345573*	*0.00031800*	*0.00090126*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	217264	1025130	937077	155.03300000	1717.05000000	2459070	207875
Int RSD	*0.73842422*	*1.40797752*	*0.65554378*	*61.66429083*	*1.91119070*	*0.59596514*	*1.02700661*
Int SD	*1604.33000000*	*14433.60000000*	*6142.95000000*	*95.60000000*	*32.81610000*	*14655.20000000*	*2134.89000000*
RelInt Mean	0.15515400	0.03579000	0.67937000	0.00009398	0.00033431	1.78969000	0.14941800
RelInt RSD	*1.05526122*	*1.33283878*	*0.94362424*	*259.37816237*	*39.91510797*	*0.14536819*	*1.13325034*
RelInt SD	*0.00163728*	*0.00047702*	*0.00641070*	*0.00024375*	*0.00013344*	*0.00260164*	*0.00169328*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17113.60000000	175871	57727.30000000	92411.60000000	66890.10000000	81931.40000000	2030760
Int RSD	*0.54599967*	*0.55773209*	*0.42769539*	*0.75915686*	*0.34112223*	*0.65302436*	*0.77672891*
Int SD	*93.44020000*	*980.88900000*	*246.89700000*	*701.54900000*	*228.17700000*	*535.03200000*	*15773.50000000*
RelInt Mean	0.03334080	0.12463800	0.03833930	0.06493980	0.04694830	0.05817060	6.84473000
RelInt RSD	*0.78818445*	*0.94012260*	*0.62449758*	*0.73380731*	*0.27499824*	*0.56179926*	*0.67072770*
RelInt SD	*0.00026279*	*0.00117175*	*0.00023943*	*0.00047653*	*0.00012911*	*0.00032680*	*0.04590950*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3419860	72708.20000000	92327.10000000	1376910	27727500	297665	1154900
Int RSD	*1.45073483*	*0.54976880*	*1.28994629*	*0.47599189*	*0.12099143*	*0.10113147*	*0.66326175*
Int SD	*49613.10000000*	*399.72700000*	*1190.97000000*	*6553.98000000*	*33547.90000000*	*301.03300000*	*7660.01000000*
RelInt Mean	0.12195900	0.05129830	0.00304903	---	---	---	0.84012300
RelInt RSD	*1.35678384*	*0.99327268*	*1.29745198*	---	---	---	*0.39517666*
RelInt SD	*0.00165472*	*0.00050953*	*0.00003956*	---	---	---	*0.00331997*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	52815.60000000	51904.40000000	8242.69000000	3528.23000000	198471	7445.73000000	
Int RSD	*0.73158877*	*0.41552932*	*0.62800615*	*2.28480570*	*0.67838122*	*2.74584225*	
Int SD	*386.39300000*	*215.67800000*	*51.76460000*	*80.61320000*	*1346.39000000*	*204.44800000*	
RelInt Mean	0.17726800	0.15633200	0.00276416	0.00056620	0.14133800	0.00299043	
RelInt RSD	*0.57633639*	*0.24469143*	*0.10239313*	*9.33025551*	*0.87625409*	*4.09987861*	
RelInt SD	*0.00102166*	*0.00038253*	*0.00000283*	*0.00005283*	*0.00123848*	*0.00012260*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S17107			Sample Type: Calibration Sample
Measure Date: 2022-10-11 09:09:39	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	43381.80000000	51743.00000000	251626	1030580	4836370	425.73400000	1192120
Int RSD	*0.48084681*	*0.84632124*	*0.54512650*	*0.53048866*	*0.68657692*	*4.38661230*	*0.83488994*
Int SD	*208.60000000*	*437.91200000*	*1371.68000000*	*5467.11000000*	*33205.40000000*	*18.67530000*	*9952.89000000*
RelInt Mean	-0.00001603	0.17515800	0.18509500	0.76469600	3.60155000	0.00096195	0.88409300
RelInt RSD	*153.61904702*	*0.75055664*	*0.70062400*	*0.81861419*	*0.95749052*	*9.34409068*	*1.11228796*
RelInt SD	*0.00002462*	*0.00131466*	*0.00129682*	*0.00625991*	*0.03448450*	*0.00008989*	*0.00983366*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	2023970	9491060	8629390	153.46200000	1736.19000000	22523000	2002150
Int RSD	*0.76232355*	*1.08399905*	*0.76889676*	*42.48993236*	*2.04997149*	*0.26919948*	*0.64698949*
Int SD	*15429.20000000*	*102883*	*66351.10000000*	*65.20590000*	*35.59140000*	*60631.80000000*	*12953.70000000*
RelInt Mean	1.50344000	0.35474100	6.42904000	0.00017818	0.00051827	16.78810000	1.48939000
RelInt RSD	*1.06184484*	*1.34012702*	*1.05631167*	*144.79602202*	*27.37970969*	*0.12822773*	*0.95300761*
RelInt SD	*0.01596420*	*0.00475398*	*0.06791070*	*0.00025800*	*0.00014190*	*0.02152700*	*0.01419400*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11139.20000000	1600900	491061	868022	3507.45000000	762105	18025100
Int RSD	*1.72646151*	*0.75821101*	*0.40281757*	*0.38638306*	*0.36695605*	*0.41764980*	*0.50156171*
Int SD	*192.31400000*	*12138.20000000*	*1978.08000000*	*3353.89000000*	*12.87080000*	*3182.93000000*	*90407.00000000*
RelInt Mean	0.01439590	1.18826000	0.36096800	0.64306200	0.00002531	0.56583700	62.37030000
RelInt RSD	*1.46417383*	*1.04241496*	*0.65090534*	*0.56756114*	*35.81984309*	*0.69655395*	*1.22573084*
RelInt SD	*0.00021078*	*0.01238660*	*0.00234956*	*0.00364977*	*0.00000907*	*0.00394136*	*0.76449200*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	32355900	661264	811885	1348380	26624400	290111	10696100
Int RSD	*1.51173356*	*0.25360522*	*1.38414923*	*0.31641970*	*0.30350543*	*0.96779164*	*0.78386795*
Int SD	*489135*	*1677.00000000*	*11237.70000000*	*4266.54000000*	*80806.50000000*	*2807.67000000*	*83843.30000000*
RelInt Mean	1.21434000	0.48969100	0.03015320	---	---	---	7.97031000
RelInt RSD	*1.78364379*	*0.56296930*	*1.66543518*	---	---	---	*1.01978468*
RelInt SD	*0.02165950*	*0.00275681*	*0.00050218*	---	---	---	*0.08128000*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	506487	457047	29911.00000000	8585.95000000	1858120	10745.30000000	
Int RSD	*0.85772389*	*0.28569272*	*0.80398516*	*1.84863644*	*0.81268702*	*1.00688673*	
Int SD	*4344.26000000*	*1305.75000000*	*240.48000000*	*158.72300000*	*15100.70000000*	*108.19300000*	
RelInt Mean	1.75121000	1.55359000	0.01846050	0.00355524	1.37930000	0.00481916	
RelInt RSD	*0.28528846*	*1.23576362*	*0.90524092*	*3.76987208*	*1.09259044*	*2.12252758*	
RelInt SD	*0.00499600*	*0.01919870*	*0.00016711*	*0.00013403*	*0.01507010*	*0.00010229*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S17316			Sample Type: Calibration Sample
Measure Date: 2022-10-11 09:12:55	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1526330	1412.68000000	2197.88000000	6649.64000000	5050.19000000	426.70700000	4521.17000000
Int RSD	*1.02432633*	*2.54742758*	*0.66292063*	*6.53488008*	*5.68497423*	*19.04873836*	*0.15942422*
Int SD	*15634.60000000*	*35.98700000*	*14.57020000*	*434.54600000*	*287.10200000*	*81.28230000*	*7.20784000*
RelInt Mean	0.05374210	0.00133498	-0.00000039	0.00182421	0.00031420	0.00097566	0.00005865
RelInt RSD	*0.74515138*	*22.90468771*	*2910.22500465*	*16.47946234*	*67.68981047*	*14.22039600*	*24.39046846*
RelInt SD	*0.00040046*	*0.00030577*	*0.00001142*	*0.00030062*	*0.00021268*	*0.00013874*	*0.00001431*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4557.36000000	52262.60000000	13145.60000000	86.32670000	1607.13000000	7033.44000000	11152.40000000
Int RSD	*7.11850721*	*22.09572428*	*28.09419121*	*128.72147319*	*9.15601103*	*15.97923633*	*22.55030307*
Int SD	*324.41600000*	*11547.80000000*	*3693.15000000*	*111.12100000*	*147.14900000*	*1123.89000000*	*2514.90000000*
RelInt Mean	0.00025302	0.00076086	0.00539665	-0.00008832	0.00013953	0.00097659	0.00604050
RelInt RSD	*90.53046771*	*55.12341298*	*49.89113617*	*280.07762918*	*178.98018418*	*84.12008773*	*30.15131198*
RelInt SD	*0.00022906*	*0.00041941*	*0.00269245*	*0.00024736*	*0.00024974*	*0.00082151*	*0.00182129*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	15095.30000000	5058.29000000	4996.35000000	3837.17000000	2471.67000000	3853.96000000	926.68600000
Int RSD	*1.24378449*	*2.89791609*	*1.38226305*	*5.30205855*	*1.73981559*	*18.91706193*	*4.67805708*
Int SD	*187.75300000*	*146.58500000*	*69.06270000*	*203.44900000*	*43.00250000*	*729.05600000*	*43.35090000*
RelInt Mean	0.02708660	0.00022917	-0.00000087	0.00048551	0.00001872	0.00128991	-0.00001455
RelInt RSD	*2.34776975*	*43.77661803*	*5209.57556344*	*29.35566856*	*130.72169464*	*41.71701902*	*615.37102473*
RelInt SD	*0.00063593*	*0.00010032*	*0.00004554*	*0.00014253*	*0.00002447*	*0.00053811*	*0.00008951*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	143903	4134.19000000	10468.20000000	1374680	27728000	293265	4245.57000000
Int RSD	*19.39792777*	*38.97135836*	*7.24352802*	*0.33290584*	*0.30350404*	*1.71888224*	*17.28491110*
Int SD	*27914.20000000*	*1611.15000000*	*758.26700000*	*4576.39000000*	*84155.60000000*	*5040.88000000*	*733.84300000*
RelInt Mean	0.00377403	0.00144674	0.00010705	---	---	---	0.00093145
RelInt RSD	*27.01594847*	*82.04100253*	*25.35886106*	---	---	---	*57.54096020*
RelInt SD	*0.00101959*	*0.00118692*	*0.00002715*	---	---	---	*0.00053597*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	15.48690000	5530.96000000	5919.84000000	2929.31000000	4689.41000000	6858.69000000	
Int RSD	*1008.47813313*	*3.10047442*	*1.86028676*	*2.82274324*	*2.39646352*	*0.13126967*	
Int SD	*156.18200000*	*171.48600000*	*110.12600000*	*82.68690000*	*112.38000000*	*9.00338000*	
RelInt Mean	-0.00065745	0.00106819	0.00109195	0.00022833	0.00021840	0.00264842	
RelInt RSD	*104.00729484*	*25.95811607*	*8.30630523*	*23.08769364*	*32.47344371*	*0.40303275*	
RelInt SD	*0.00068380*	*0.00027728*	*0.00009070*	*0.00005272*	*0.00007092*	*0.00001067*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S17115			Sample Type: Calibration Sample
Measure Date: 2022-10-11 09:16:11	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	37464.30000000	1769.83000000	2219.21000000	5357.63000000	4984.00000000	57291.00000000	4619.58000000
Int RSD	*0.78582277*	*2.59261059*	*1.25195002*	*0.86642228*	*0.28514045*	*1.24104135*	*0.33027028*
Int SD	*294.40300000*	*45.88480000*	*27.78340000*	*46.41970000*	*14.21140000*	*711.00500000*	*15.25710000*
RelInt Mean	0.00004125	0.00146367	-0.00003996	0.00073176	0.00009921	0.20214500	0.00000948
RelInt RSD	*36.93781482*	*17.33341532*	*33.27502546*	*7.62766551*	*23.57734804*	*2.84820797*	*145.18448493*
RelInt SD	*0.00001524*	*0.00025370*	*0.00001330*	*0.00005582*	*0.00002339*	*0.00575751*	*0.00001376*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4430.56000000	35065.10000000	7594.22000000	27573.70000000	15185.40000000	6535.13000000	4404.30000000
Int RSD	*0.87669730*	*0.38124802*	*1.36306296*	*1.68217178*	*1.16970906*	*0.13124942*	*7.85675363*
Int SD	*38.84260000*	*133.68500000*	*103.51400000*	*463.83700000*	*177.62500000*	*8.57732000*	*346.03500000*
RelInt Mean	0.00006089	0.00013478	0.00120099	0.09694620	0.04796310	0.00042879	0.00102898
RelInt RSD	*48.17792887*	*3.24238175*	*8.89591087*	*0.60753696*	*1.43226355*	*5.38184015*	*26.39604268*
RelInt SD	*0.00002934*	*0.00000437*	*0.00010684*	*0.00058898*	*0.00068696*	*0.00002308*	*0.00027161*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	460645	5115.89000000	5153.01000000	3398.31000000	2550.26000000	2617.48000000	959.55500000
Int RSD	*0.56937772*	*0.71603181*	*0.60099437*	*0.38689231*	*1.53568264*	*1.12974311*	*2.93395376*
Int SD	*2622.81000000*	*36.63140000*	*30.96930000*	*13.14780000*	*39.16390000*	*29.57080000*	*28.15290000*
RelInt Mean	1.60146000	0.00013665	-0.00002008	0.00006705	0.00000694	0.00029904	0.00000395
RelInt RSD	*1.42603000*	*4.69149598*	*50.93684630*	*28.46883851*	*320.48138587*	*6.20608476*	*6672.94988020*
RelInt SD	*0.02283730*	*0.00000641*	*0.00001023*	*0.00001909*	*0.00002223*	*0.00001856*	*0.00026374*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	59773.20000000	2234.41000000	9123.58000000	1388410	26251500	283790	3861.78000000
Int RSD	*1.30107138*	*0.50274122*	*1.58769913*	*0.43554282*	*0.16486601*	*1.65526974*	*0.55775575*
Int SD	*777.69200000*	*11.23330000*	*144.85500000*	*6047.12000000*	*43279.80000000*	*4697.49000000*	*21.53930000*
RelInt Mean	0.00076027	0.00001692	0.00005165	---	---	---	0.00056398
RelInt RSD	*4.10184540*	*147.74028491*	*9.57641228*	---	---	---	*4.57541198*
RelInt SD	*0.00003119*	*0.00002500*	*0.00000495*	---	---	---	*0.00002580*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	21.55260000	5535.38000000	861341	2979.67000000	4680.82000000	6232.12000000	
Int RSD	*380.55733415*	*3.79963074*	*0.43274034*	*1.04786436*	*0.52354288*	*0.94777700*	
Int SD	*82.02000000*	*210.32400000*	*3727.37000000*	*31.22290000*	*24.50610000*	*59.06660000*	
RelInt Mean	-0.00062938	0.00113328	0.61909800	0.00018233	0.00007591	0.00207916	
RelInt RSD	*58.30056325*	*42.41405478*	*0.12104077*	*19.74760743*	*12.90208906*	*3.14298082*	
RelInt SD	*0.00036694*	*0.00048067*	*0.00074936*	*0.00003601*	*0.00000979*	*0.00006535*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S17113			Sample Type: Calibration Sample
Measure Date: 2022-10-11 09:19:28	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	37337.20000000	1476.10000000	2158.20000000	4849.44000000	4923.27000000	328.01200000	4470.13000000
Int RSD	*0.72141725*	*4.85645281*	*0.95559726*	*0.42238485*	*0.20163733*	*40.58296648*	*1.04271688*
Int SD	*269.35700000*	*71.68610000*	*20.62370000*	*20.48330000*	*9.92715000*	*133.11700000*	*46.61080000*
RelInt Mean	0.00003321	0.00168038	-0.00003571	0.00046986	0.00016278	0.00067305	0.00000510
RelInt RSD	*11.73835660*	*20.77988312*	*16.32002957*	*4.23852110*	*8.51090756*	*13.12797899*	*839.88327192*
RelInt SD	*0.00000390*	*0.00034918*	*0.00000583*	*0.00001992*	*0.00001385*	*0.00008836*	*0.00004283*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4349.83000000	35100.90000000	6724.74000000	177.59900000	1468.80000000	5957.10000000	3427.71000000
Int RSD	*0.60013150*	*0.59963990*	*0.28557089*	*48.79013958*	*3.43613834*	*0.91970925*	*3.89995070*
Int SD	*26.10470000*	*210.47900000*	*19.20390000*	*86.65080000*	*50.47000000*	*54.78800000*	*133.67900000*
RelInt Mean	0.00009334	0.00012693	0.00068017	0.00027155	-0.00038026	0.00015515	0.00038219
RelInt RSD	*24.10950274*	*5.03418447*	*5.51735748*	*84.82699191*	*102.70921322*	*26.18724419*	*25.49857662*
RelInt SD	*0.00002250*	*0.00000639*	*0.00003753*	*0.00023035*	*0.00039056*	*0.00004063*	*0.00009745*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	18516.00000000	4962.79000000	4967.15000000	3259.23000000	2460.56000000	2299.95000000	849.35100000
Int RSD	*0.83513178*	*0.92923335*	*0.40853206*	*0.36898899*	*0.42947947*	*0.67934086*	*12.78505588*
Int SD	*154.63300000*	*46.11590000*	*20.29240000*	*12.02620000*	*10.56760000*	*15.62450000*	*108.59000000*
RelInt Mean	0.03857400	0.00013180	-0.00004660	0.00004324	-0.00000242	0.00013197	-0.00031552
RelInt RSD	*0.64476331*	*4.75844069*	*16.10869943*	*4.78591716*	*738.15788385*	*11.81260183*	*130.21548760*
RelInt SD	*0.00024871*	*0.00000627*	*0.00000751*	*0.00000207*	*0.00001784*	*0.00001559*	*0.00041085*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	41676.70000000	2170.46000000	9033.55000000	1398530	28101900	296984	3580.07000000
Int RSD	*0.76250039*	*0.60458152*	*1.75017573*	*0.23007873*	*0.68887157*	*0.53993481*	*0.70260637*
Int SD	*317.78500000*	*13.12220000*	*158.10300000*	*3217.72000000*	*193586*	*1603.52000000*	*25.15380000*
RelInt Mean	0.00006228	-0.00000125	0.00004793	---	---	---	0.00042840
RelInt RSD	*6.64786376*	*1383.97189628*	*8.52603007*	---	---	---	*4.71875649*
RelInt SD	*0.00000414*	*0.00001726*	*0.00000409*	---	---	---	*0.00002022*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	36.68780000	5394.45000000	6132.28000000	437274	4576.54000000	192358	
Int RSD	*247.98134530*	*1.05815792*	*1.80723972*	*0.08028879*	*0.65725199*	*0.15953171*	
Int SD	*90.97890000*	*57.08180000*	*110.82500000*	*351.08200000*	*30.07940000*	*306.87200000*	
RelInt Mean	-0.00029483	0.00058620	0.00121004	0.31185200	0.00008582	0.13569800	
RelInt RSD	*98.78946779*	*59.75121077*	*7.56043602*	*0.22702532*	*44.15733165*	*0.27680511*	
RelInt SD	*0.00029126*	*0.00035026*	*0.00009148*	*0.00070798*	*0.00003790*	*0.00037562*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S17048			Sample Type: Calibration Sample
Measure Date: 2022-10-11 09:22:44	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	37698.60000000	6294.12000000	2625.42000000	5495.05000000	5797.50000000	1029610	5106.62000000
Int RSD	*0.52463487*	*4.36332641*	*2.33431222*	*0.88949509*	*1.15333851*	*1.27178252*	*0.66758051*
Int SD	*197.78000000*	*274.63300000*	*61.28550000*	*48.87820000*	*66.86480000*	*13094.40000000*	*34.09080000*
RelInt Mean	0.00003188	-0.00026671	-0.00006583	0.00037234	0.00039535	3.77685000	0.00002268
RelInt RSD	*45.37520665*	*262.12088831*	*59.42610873*	*6.35702469*	*8.45661384*	*0.63693025*	*105.21158561*
RelInt SD	*0.00001446*	*0.00069910*	*0.00003912*	*0.00002367*	*0.00003343*	*0.02405590*	*0.00002386*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5138.51000000	37016.20000000	20827.90000000	109063	237150	10158.70000000	3562.02000000
Int RSD	*0.32745485*	*0.45411739*	*1.32870333*	*0.78723582*	*0.94207885*	*0.63455856*	*1.76455775*
Int SD	*16.82630000*	*168.09700000*	*276.74100000*	*858.58300000*	*2234.14000000*	*64.46290000*	*62.85390000*
RelInt Mean	0.00008451	0.00017835	0.01107780	0.39921200	0.86154300	0.00276374	0.00013776
RelInt RSD	*46.95566050*	*2.49825063*	*1.59089350*	*1.32510045*	*0.90922914*	*0.62809816*	*4.43906617*
RelInt SD	*0.00003968*	*0.00000446*	*0.00017624*	*0.00528996*	*0.00783340*	*0.00001736*	*0.00000612*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1716790	5717.91000000	5616.77000000	3659.10000000	2813.32000000	2563.37000000	1825.43000000
Int RSD	*0.40596986*	*0.55045462*	*0.20301526*	*0.87349621*	*0.64845450*	*1.50382894*	*4.63158817*
Int SD	*6969.65000000*	*31.47450000*	*11.40290000*	*31.96210000*	*18.24310000*	*38.54870000*	*84.54640000*
RelInt Mean	6.26062000	0.00022063	-0.00002935	0.00000177	0.00000907	0.00003801	0.00325122
RelInt RSD	*1.67548901*	*8.78042369*	*94.76422310*	*1009.83249184*	*163.05929359*	*80.83986256*	*5.56735625*
RelInt SD	*0.10489600*	*0.00001937*	*0.00002782*	*0.00001788*	*0.00001478*	*0.00003073*	*0.00018101*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	45633.60000000	2492.41000000	10341.50000000	1280970	24054100	273653	7412.82000000
Int RSD	*0.34320545*	*0.65565056*	*1.79491370*	*0.30621170*	*0.81992259*	*1.83179793*	*0.78661562*
Int SD	*156.61700000*	*16.34150000*	*185.62100000*	*3922.48000000*	*197225*	*5012.77000000*	*58.31040000*
RelInt Mean	0.00014163	-0.00000767	0.00005281	---	---	---	0.00314522
RelInt RSD	*5.40633363*	*213.52583686*	*12.88126318*	---	---	---	*0.82153554*
RelInt SD	*0.00000766*	*0.00001638*	*0.00000680*	---	---	---	*0.00002584*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	46.08280000	5194.98000000	6804.29000000	3469.74000000	5262.32000000	5863.53000000	
Int RSD	*251.70128551*	*4.97899896*	*1.01409111*	*2.75861016*	*0.29586760*	*1.81863144*	
Int SD	*115.99100000*	*258.65800000*	*69.00170000*	*95.71660000*	*15.56950000*	*106.63600000*	
RelInt Mean	-0.00065839	0.00057866	0.00120572	0.00036510	0.00016275	0.00165285	
RelInt RSD	*86.43450472*	*24.94219383*	*5.04993697*	*20.20865402*	*17.92632646*	*4.64515836*	
RelInt SD	*0.00056908*	*0.00014433*	*0.00006089*	*0.00007378*	*0.00002917*	*0.00007678*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S17366			Sample Type: Control Sample
Measure Date: 2022-10-11 09:26:13	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	355500	6127.71000000	27413.80000000	104513	457925	527428	230467
Int RSD	*0.55362869*	*1.93832606*	*0.17254558*	*0.29480639*	*0.15305563*	*1.57881265*	*0.25160305*
Int SD	*1968.15000000*	*118.77500000*	*47.30130000*	*308.11100000*	*700.88000000*	*8327.10000000*	*579.86200000*
RelInt Mean	0.01276640	0.01011110	0.01873280	0.07537280	0.34224300	1.90044000	0.17032300
RelInt RSD	*1.46446140*	*3.93872081*	*0.31624637*	*0.58487810*	*0.35977069*	*0.50310349*	*0.37730606*
RelInt SD	*0.00018696*	*0.00039825*	*0.00005924*	*0.00044084*	*0.00123129*	*0.00956118*	*0.00064264*
Conc Mean	0.47408300[mg/l]	1.01595000[mg/l]	1.01530000[mg/l]	0.98300400[mg/l]	0.94603200[mg/l]	100.59900000[mg/l]	0.96109100[mg/l]
Conc RSD	*1.46841165*	*4.50774152*	*0.31503201*	*0.58671582*	*0.35866546*	*0.50305172*	*0.37570532*
Conc SD	*0.00696149[mg/l]*	*0.04579640[mg/l]*	*0.00319852[mg/l]*	*0.00576744[mg/l]*	*0.00339309[mg/l]*	*0.50606500[mg/l]*	*0.00361087[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	192005	904573	424138	62057.90000000	126835	2144870	200060
Int RSD	*0.47492878*	*0.99795263*	*0.34636840*	*0.29119741*	*0.14374660*	*0.85483969*	*0.28140208*
Int SD	*911.88700000*	*9027.21000000*	*1469.08000000*	*180.71100000*	*182.32100000*	*18335.20000000*	*562.97300000*
RelInt Mean	0.14132500	0.03498690	0.31580000	0.22293300	0.45014400	1.61695000	0.14874000
RelInt RSD	*0.41381143*	*1.65371611*	*0.35972451*	*1.27679617*	*1.23756176*	*0.35566220*	*0.69696786*
RelInt SD	*0.00058482*	*0.00057858*	*0.00113601*	*0.00284640*	*0.00557081*	*0.00575088*	*0.00103667*
Conc Mean	0.93944700[mg/l]	0.98274600[mg/l]	0.98090800[mg/l]	111.69900000[mg/l]	104.46600000[mg/l]	0.96216900[mg/l]	0.99850400[mg/l]
Conc RSD	*0.41373595*	*1.66032729*	*0.36014387*	*1.27647517*	*1.23738824*	*0.35575767*	*0.69700572*
Conc SD	*0.00388683[mg/l]*	*0.01631680[mg/l]*	*0.00353268[mg/l]*	*1.42581000[mg/l]*	*1.29265000[mg/l]*	*0.00342299[mg/l]*	*0.00695963[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	883888	149739	50637.90000000	31207.60000000	22555.80000000	351537	387540
Int RSD	*0.58933485*	*0.00252836*	*0.28866521*	*0.58251836*	*0.13014435*	*0.39486028*	*0.61022088*
Int SD	*5209.06000000*	*3.78594000*	*146.17400000*	*181.79000000*	*29.35510000*	*1388.08000000*	*2364.85000000*
RelInt Mean	3.15555000	0.10903000	0.03404650	0.02084680	0.01494350	0.26397000	1.39398000
RelInt RSD	*1.84640712*	*0.53229295*	*0.27297226*	*0.71599478*	*0.30433031*	*0.35612077*	*0.74866928*
RelInt SD	*0.05826430*	*0.00058036*	*0.00009294*	*0.00014926*	*0.00004548*	*0.00094005*	*0.01043630*
Conc Mean	100.18600000[mg/l]	0.91590900[mg/l]	0.94223400[mg/l]	0.96740100[mg/l]	0.95393900[mg/l]	4.66265000[mg/l]	1.01790000[mg/l]
Conc RSD	*1.86852454*	*0.53282586*	*0.27213410*	*0.71731164*	*0.30448068*	*0.35642392*	*0.74895078*
Conc SD	*1.87200000[mg/l]*	*0.00488020[mg/l]*	*0.00256414[mg/l]*	*0.00693928[mg/l]*	*0.00290456[mg/l]*	*0.01661880[mg/l]*	*0.00762357[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3155800	23197.30000000	161480	1329050	24901100	278495	353784
Int RSD	*0.93207744*	*0.23652149*	*1.07262200*	*0.50404349*	*1.02479409*	*1.25918957*	*0.28640639*
Int SD	*29414.50000000*	*54.86660000*	*1732.07000000*	*6698.99000000*	*255185*	*3506.78000000*	*1013.26000000*
RelInt Mean	0.12516200	0.01558600	0.00613679	---	---	---	0.26487300
RelInt RSD	*1.59366261*	*0.15985564*	*1.78091478*	---	---	---	*0.67995983*
RelInt SD	*0.00199466*	*0.00002492*	*0.00010929*	---	---	---	*0.00180103*
Conc Mean	1.03070000[mg/l]	0.95268700[mg/l]	1.01151000[mg/l]	1322280	24840300	277358	0.94451200[mg/l]
Conc RSD	*1.59309207*	*0.15514959*	*1.79432729*	---	---	---	*0.68116128*
Conc SD	*0.01642000[mg/l]*	*0.00147809[mg/l]*	*0.01814980[mg/l]*	*6751.21000000*	*255033*	*3512.04000000*	*0.00643365[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	99314.60000000	51866.60000000	458097	224978	365913	102870	
Int RSD	*0.84998077*	*0.70896299*	*0.28103218*	*0.54036395*	*0.43217104*	*0.44783805*	
Int SD	*844.15500000*	*367.71500000*	*1287.40000000*	*1215.70000000*	*1581.37000000*	*460.69100000*	
RelInt Mean	0.35724600	0.16790600	0.34230400	0.16762800	0.27260100	0.07492270	
RelInt RSD	*2.13115052*	*1.90994961*	*0.24321977*	*0.13064345*	*0.07187464*	*0.14932324*	
RelInt SD	*0.00761345*	*0.00320692*	*0.00083255*	*0.00021900*	*0.00019593*	*0.00011188*	
Conc Mean	1.02097000[mg/l]	1.07617000[mg/l]	5.49687000[mg/l]	5.37254000[mg/l]	0.98397900[mg/l]	5.46185000[mg/l]	
Conc RSD	*2.12809387*	*1.91935289*	*0.24223422*	*0.13076831*	*0.07116849*	*0.15302196*	
Conc SD	*0.02172720[mg/l]*	*0.02065550[mg/l]*	*0.01331530[mg/l]*	*0.00702558[mg/l]*	*0.00070028[mg/l]*	*0.00835783[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496012 File : met06_master Time : 11-OCT-2022 09:32
Cal : 482409496001 Caldate : 11-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	27722300	-4.45
Yttrium	A	1403580	1384580	-1.35
Yttrium	R	307858	291527	-5.30

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1 | Sample Type: Control Sample

Measure Date: 2022-10-11 09:32:44 | Recalculation Date: | State: Checked | Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	37592.70000000	1460.46000000	2116.00000000	4680.85000000	4866.93000000	341.62200000	4510.10000000
Int RSD	*0.88257561*	*8.26753215*	*1.87085066*	*0.29576252*	*0.59910457*	*16.60630756*	*0.31644309*
Int SD	*331.78400000*	*120.74400000*	*39.58720000*	*13.84420000*	*29.15800000*	*56.73080000*	*14.27190000*
RelInt Mean	0.00002613	0.00133749	-0.00009082	0.00030921	0.00010359	0.00064045	-0.00000314
RelInt RSD	*62.09441278*	*29.08320810*	*31.29701142*	*2.74585480*	*25.47440464*	*19.70074307*	*525.26388924*
RelInt SD	*0.00001622*	*0.00038899*	*0.00002842*	*0.00000849*	*0.00002639*	*0.00012617*	*0.00001648*
Conc Mean	<-0.00035659[mg/l]	<0.00697952[mg/l]	<-0.00009582[mg/l]	<0.00090141[mg/l]	<0.00000337[mg/l]	<-0.00553962[mg/l]	<-0.00001891[mg/l]
Conc RSD	*169.41527175*	*640.92659667*	*1601.42270759*	*12.32363663*	*2194.65197536*	*120.61441037*	*493.04456807*
Conc SD	*0.00060412[mg/l]*	*0.04473360[mg/l]*	*0.00153444[mg/l]*	*0.00011109[mg/l]*	*0.00007405[mg/l]*	*0.00668158[mg/l]*	*0.00009324[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4492.19000000	35356.00000000	8008.24000000	99.06540000	1581.24000000	6072.10000000	3308.81000000
Int RSD	*0.73328377*	*0.19241883*	*1.40190604*	*60.53233520*	*2.73419595*	*1.07240823*	*1.62773626*
Int SD	*32.94050000*	*68.03160000*	*112.26800000*	*59.96660000*	*43.23420000*	*65.11770000*	*53.85870000*
RelInt Mean	0.00014898	0.00012160	0.00157510	-0.00008756	-0.00012062	0.00019665	0.00027335
RelInt RSD	*13.99791911*	*1.58902915*	*5.29169577*	*98.10245206*	*329.20480170*	*38.60966184*	*13.88042993*
RelInt SD	*0.00002085*	*0.00000193*	*0.00008335*	*0.00008589*	*0.00039710*	*0.00007593*	*0.00003794*
Conc Mean	0.00071262[mg/l]	<-0.00041733[mg/l]	0.00392494[mg/l]	<-0.01616440[mg/l]	<-0.02285050[mg/l]	<-0.00022147[mg/l]	0.00169371[mg/l]
Conc RSD	*19.45797047*	*13.05515486*	*6.60300540*	*266.17443270*	*403.28264152*	*20.40696073*	*15.04029615*
Conc SD	*0.00013866[mg/l]*	*0.00005448[mg/l]*	*0.00025916[mg/l]*	*0.04302550[mg/l]*	*0.09215210[mg/l]*	*0.00004520[mg/l]*	*0.00025474[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17724.80000000	5041.10000000	5020.02000000	3264.97000000	2510.90000000	2358.56000000	879.80400000
Int RSD	*2.02402284*	*0.60809546*	*1.00208366*	*0.79186026*	*1.09137759*	*0.93708025*	*11.03001350*
Int SD	*358.75400000*	*30.65470000*	*50.30480000*	*25.85400000*	*27.40340000*	*22.10160000*	*97.04250000*
RelInt Mean	0.03619330	0.00014221	-0.00005350	0.00001787	0.00001246	0.00016645	-0.00024943
RelInt RSD	*3.02144320*	*14.36203950*	*53.73670270*	*125.32381752*	*77.73908858*	*5.02996185*	*98.10283652*
RelInt SD	*0.00109356*	*0.00002042*	*0.00002875*	*0.00002239*	*0.00000969*	*0.00000837*	*0.00024469*
Conc Mean	<-0.02221990[mg/l]	<-0.00011348[mg/l]	<-0.00163831[mg/l]	<0.00131121[mg/l]	<-0.00020616[mg/l]	<0.00067126[mg/l]	<-0.00018669[mg/l]
Conc RSD	*158.09792123*	*151.41394291*	*49.00476711*	*79.61730005*	*300.33856706*	*22.04196554*	*95.70839359*
Conc SD	*0.03512920[mg/l]*	*0.00017182[mg/l]*	*0.00080285[mg/l]*	*0.00104395[mg/l]*	*0.00061919[mg/l]*	*0.00014796[mg/l]*	*0.00017868[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	42387.00000000	2149.43000000	9131.48000000	1384580	27722300	291527	3427.69000000
Int RSD	*0.26396773*	*0.40279097*	*1.45468204*	*0.48763668*	*1.13999199*	*1.25488205*	*0.85050282*
Int SD	*111.88800000*	*8.65771000*	*132.83400000*	*6751.72000000*	*316032*	*3658.32000000*	*29.15260000*
RelInt Mean	0.00007691	-0.00000546	0.00004641	---	---	---	0.00030267
RelInt RSD	*6.72697653*	*249.12292909*	*17.07501169*	---	---	---	*5.77733799*
RelInt SD	*0.00000517*	*0.00001361*	*0.00000792*	---	---	---	*0.00001749*
Conc Mean	0.00068298[mg/l]	0.00337004[mg/l]	<0.00052593[mg/l]	1378250	27663300	290360	<0.00006571[mg/l]
Conc RSD	*6.23810549*	*24.71549299*	*250.20392409*	---	---	---	*94.94515562*
Conc SD	*0.00004261[mg/l]*	*0.00083292[mg/l]*	*0.00131590[mg/l]*	*6759.95000000*	*315819*	*3679.17000000*	*0.00006239[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-53.31580000	5457.61000000	6200.10000000	3008.73000000	4623.27000000	4947.01000000	
Int RSD	*59.48217977*	*4.63133130*	*0.62526250*	*4.12705693*	*1.15822567*	*1.97512235*	
Int SD	*31.71340000*	*252.76000000*	*38.76690000*	*124.17200000*	*53.54790000*	*97.70950000*	
RelInt Mean	-0.00070939	0.00067556	0.00124593	0.00026154	0.00009382	0.00120162	
RelInt RSD	*28.69702997*	*30.83023962*	*2.87038598*	*35.82931539*	*36.04332519*	*6.39341888*	
RelInt SD	*0.00020357*	*0.00020828*	*0.00003576*	*0.00009371*	*0.00003382*	*0.00007682*	
Conc Mean	<-0.00062665[mg/l]	<-0.00076883[mg/l]	<-0.00164505[mg/l]	<0.00252053[mg/l]	<0.00001089[mg/l]	<-0.04296330[mg/l]	
Conc RSD	*92.71320378*	*174.45927367*	*35.18592140*	*119.28403947*	*1106.92972953*	*13.35188405*	
Conc SD	*0.00058099[mg/l]*	*0.00134129[mg/l]*	*0.00057883[mg/l]*	*0.00300659[mg/l]*	*0.00012057[mg/l]*	*0.00573641[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496014 File : met06_master Time : 11-OCT-2022 09:44
Cal : 482409496001 Caldate : 11-OCT-2022
Standards: S17207, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.009946]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	135.4	mg/l	85	
Aluminum	R	400.0	373.8	mg/l	93	
Calcium	R	400.0	395.9	mg/l	99	
Magnesium	R	400.0	419.5	mg/l	105	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	23181200	-20.10
Yttrium	A	1403580	1229100	-12.43
Yttrium	R	307858	261023	-15.21

-=low bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S17207			Sample Type: Control Sample
Measure Date: 2022-10-11 09:44:23	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	39514.00000000	857307	9120.16000000	7778.74000000	6700.38000000	1943560	6334.91000000
Int RSD	*1.00151845*	*0.56640270*	*0.06728018*	*0.93508846*	*0.81744468*	*1.24491654*	*0.67038837*
Int SD	*395.74000000*	*4855.81000000*	*6.13606000*	*72.73810000*	*54.77190000*	*24195.70000000*	*42.46850000*
RelInt Mean	0.00001172	3.25133000	-0.00007722	0.00072973	0.00024739	7.47605000	0.00018109
RelInt RSD	*7.35837292*	*1.90023467*	*38.97198997*	*11.06375894*	*11.97492987*	*2.57676179*	*31.08385700*
RelInt SD	*0.00000086*	*0.06178290*	*0.00003009*	*0.00008074*	*0.00002962*	*0.19264000*	*0.00005629*
Conc Mean	<-0.00089290[mg/l]	>373.75800000[mg/l]	<0.00064152[mg/l]	0.00640332[mg/l]	0.00041553[mg/l]	>395.85700000[mg/l]	0.00102082[mg/l]
Conc RSD	*3.59800964*	*1.90101617*	*253.20840069*	*16.49644247*	*20.06223377*	*2.57701645*	*31.17719089*
Conc SD	*0.00003213[mg/l]*	*7.10520000[mg/l]*	*0.00162438[mg/l]*	*0.00105632[mg/l]*	*0.00008336[mg/l]*	*10.20130000[mg/l]*	*0.00031826[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6167.29000000	40042.50000000	53191000	84.60600000	472921	13123.40000000	13858.70000000
Int RSD	*0.24059676*	*0.92341387*	*0.23808351*	*44.71290452*	*0.74033718*	*1.34116921*	*0.71731331*
Int SD	*14.83830000*	*369.75800000*	*126639*	*37.82980000*	*3501.21000000*	*176.00700000*	*99.41030000*
RelInt Mean	-0.00037643	0.00017785	43.56130000	0.00014179	1.80758000	0.00232112	-0.00025616
RelInt RSD	*10.37927773*	*6.44239906*	*0.21104007*	*46.77939444*	*0.76936014*	*7.64316365*	*34.50143462*
RelInt SD	*0.00003907*	*0.00001146*	*0.09193180*	*0.00006633*	*0.01390680*	*0.00017741*	*0.00008838*
Conc Mean	<-0.00278098[mg/l]	0.00116908[mg/l]	>135.43900000[mg/l]	<0.09871680[mg/l]	>419.47500000[mg/l]	0.00104315[mg/l]	<-0.00186143[mg/l]
Conc RSD	*9.34170688*	*27.63762959*	*0.21091783*	*33.65607475*	*0.76946898*	*10.12337631*	*31.87812596*
Conc SD	*0.00025979[mg/l]*	*0.00032311[mg/l]*	*0.28566500[mg/l]*	*0.03322420[mg/l]*	*3.22773000[mg/l]*	*0.00010560[mg/l]*	*0.00059339[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	14972.00000000	6421.29000000	15866.40000000	16376.80000000	11052.70000000	9211.67000000	7582.19000000
Int RSD	*2.59490382*	*0.09892997*	*0.85043866*	*0.63091080*	*1.67271345*	*0.62562814*	*3.00057108*
Int SD	*388.50900000*	*6.35258000*	*134.93400000*	*103.32300000*	*184.88000000*	*57.63080000*	*227.50900000*
RelInt Mean	0.03299350	-0.00011193	0.00234209	0.00013881	-0.00028279	0.00010457	0.02563790
RelInt RSD	*3.64062618*	*56.62470742*	*2.50135563*	*59.21237663*	*47.23840036*	*91.43451402*	*3.37114194*
RelInt SD	*0.00120117*	*0.00006338*	*0.00005858*	*0.00008219*	*0.00013359*	*0.00009561*	*0.00086429*
Conc Mean	<-0.12501200[mg/l]	<-0.00225148[mg/l]	<-0.00994589[mg/l]	0.00697335[mg/l]	<-0.01907390[mg/l]	<-0.00042215[mg/l]	0.01871650[mg/l]
Conc RSD	*30.86711676*	*23.68237781*	*9.85749893*	*54.98490682*	*44.75513660*	*400.26056780*	*3.37186440*
Conc SD	*0.03858760[mg/l]*	*0.00053320[mg/l]*	*0.00098042[mg/l]*	*0.00383429[mg/l]*	*0.00853655[mg/l]*	*0.00168972[mg/l]*	*0.00063110[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	50051.50000000	9259.59000000	12298.60000000	1229100	23181200	261023	16539.30000000
Int RSD	*1.12485340*	*0.45789932*	*1.69179419*	*0.44847449*	*1.01293289*	*1.29734928*	*0.34652313*
Int SD	*563.00600000*	*42.39960000*	*208.06700000*	*5512.20000000*	*234810*	*3386.38000000*	*57.31250000*
RelInt Mean	0.00020104	-0.00004272	0.00003539	---	---	---	0.00108896
RelInt RSD	*2.05593359*	*200.11820884*	*3.39652815*	---	---	---	*7.15592859*
RelInt SD	*0.00000413*	*0.00008549*	*0.00000120*	---	---	---	*0.00007793*
Conc Mean	0.00170511[mg/l]	<0.00109574[mg/l]	<-0.00130214[mg/l]	1220790	23109300	259886	0.00287574[mg/l]
Conc RSD	*1.99597093*	*477.54668078*	*15.34212911*	---	---	---	*9.68241218*
Conc SD	*0.00003403[mg/l]*	*0.00523267[mg/l]*	*0.00019978[mg/l]*	*5475.09000000*	*235087*	*3514.70000000*	*0.00027844[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	176.00200000	4865.42000000	9180.86000000	7588.59000000	6727.77000000	10421.30000000	
Int RSD	*22.02219293*	*4.57950187*	*0.85854484*	*0.79617689*	*0.74591730*	*0.10713059*	
Int SD	*38.75950000*	*222.81200000*	*78.82180000*	*60.41860000*	*50.18360000*	*11.16440000*	
RelInt Mean	-0.00029444	0.00090556	0.00164122	0.00014207	-0.00027635	0.00094235	
RelInt RSD	*29.41791790*	*20.80084897*	*3.26654562*	*36.48471923*	*13.39740621*	*2.76036980*	
RelInt SD	*0.00008662*	*0.00018837*	*0.00005361*	*0.00005184*	*0.00003702*	*0.00002601*	
Conc Mean	<0.00055759[mg/l]	<0.00071235[mg/l]	0.00483374[mg/l]	<-0.00131242[mg/l]	<-0.00133343[mg/l]	<-0.06232320[mg/l]	
Conc RSD	*44.33532346*	*170.28892938*	*17.74040391*	*126.72391460*	*9.99475038*	*3.11660826*	
Conc SD	*0.00024721[mg/l]*	*0.00121306[mg/l]*	*0.00085753[mg/l]*	*0.00166315[mg/l]*	*0.00013327[mg/l]*	*0.00194237[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496015 File : met06_master Time : 11-OCT-2022 09:47
Cal : 482409496001 Caldate : 11-OCT-2022
Standards: S17208, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9353	mg/l	-6	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	23297300	-19.70
Yttrium	A	1403580	1235510	-11.97
Yttrium	R	307858	264703	-14.02

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S17208			Sample Type: Control Sample
Measure Date: 2022-10-11 09:47:40	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	674731	857114	9095.90000000	7957.34000000	220529	1957540	104627
Int RSD	*1.13146128*	*0.65297848*	*0.20373575*	*1.14691970*	*0.24645557*	*0.85023550*	*0.05541304*
Int SD	*7634.32000000*	*5596.77000000*	*18.53160000*	*91.26430000*	*543.50600000*	*16643.70000000*	*57.97700000*
RelInt Mean	0.02729580	3.20567000	-0.00013398	0.00081365	0.17442100	7.42522000	0.08009330
RelInt RSD	*1.61676155*	*1.14857425*	*24.46653680*	*6.33480120*	*0.19923633*	*1.13569026*	*0.35415821*
RelInt SD	*0.00044131*	*0.03681950*	*0.00003278*	*0.00005154*	*0.00034751*	*0.08432750*	*0.00028366*
Conc Mean	1.01515000[mg/l]	>368.50600000[mg/l]	<-0.00284804[mg/l]	0.00750130[mg/l]	0.48387300[mg/l]	>393.16500000[mg/l]	0.45277500[mg/l]
Conc RSD	*1.61913018*	*1.14900436*	*62.08234435*	*8.99001506*	*0.19924009*	*1.13584627*	*0.35416929*
Conc SD	*0.01643660[mg/l]*	*4.23415000[mg/l]*	*0.00176813[mg/l]*	*0.00067437[mg/l]*	*0.00096407[mg/l]*	*4.46575000[mg/l]*	*0.00160359[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	95024.10000000	476866	52998200	100.06300000	477202	1011960	13732.30000000
Int RSD	*0.10126221*	*1.26671224*	*0.29037779*	*22.05330642*	*0.31204396*	*0.14063105*	*0.52288692*
Int SD	*96.22350000*	*6040.52000000*	*153895*	*22.06720000*	*1489.08000000*	*1423.13000000*	*71.80440000*
RelInt Mean	0.07195230	0.01892570	43.17960000	0.00012107	1.79892000	0.81610700	-0.00034066
RelInt RSD	*0.47057287*	*1.71734731*	*0.60138352*	*69.64143229*	*0.71874236*	*0.19475632*	*47.18515344*
RelInt SD	*0.00033859*	*0.00032502*	*0.25967500*	*0.00008431*	*0.01292960*	*0.00158942*	*0.00016074*
Conc Mean	0.47816100[mg/l]	0.52983900[mg/l]	>134.25200000[mg/l]	<0.08833670[mg/l]	>417.46600000[mg/l]	0.48545900[mg/l]	<-0.00242872[mg/l]
Conc RSD	*0.47081422*	*1.72961975*	*0.60113816*	*47.80912124*	*0.71898789*	*0.19487331*	*44.43575217*
Conc SD	*0.00225125[mg/l]*	*0.00916420[mg/l]*	*0.80704000[mg/l]*	*0.04223300[mg/l]*	*3.00153000[mg/l]*	*0.00094603[mg/l]*	*0.00107922[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	14806.40000000	136938	57744.30000000	16364.60000000	11191.00000000	9305.81000000	7809.03000000
Int RSD	*1.63086233*	*0.37418029*	*0.68852510*	*0.16347848*	*0.81093468*	*0.28396776*	*2.09794302*
Int SD	*241.47200000*	*512.39500000*	*397.58400000*	*26.75260000*	*90.75170000*	*26.42550000*	*163.82900000*
RelInt Mean	0.03148060	0.10608100	0.03644800	0.00008449	-0.00016935	0.00014241	0.02605580
RelInt RSD	*2.19924652*	*0.08702454*	*1.10793185*	*95.15371313*	*39.47462591*	*18.35070078*	*2.81238726*
RelInt SD	*0.00069234*	*0.00009232*	*0.00040382*	*0.00008039*	*0.00006685*	*0.00002613*	*0.00073279*
Conc Mean	<-0.17361400[mg/l]	0.89110500[mg/l]	0.93534000[mg/l]	<0.00161798[mg/l]	<-0.01182450[mg/l]	<0.00024655[mg/l]	0.01902170[mg/l]
Conc RSD	*12.81014204*	*0.08746107*	*1.24856202*	*232.57209607*	*36.12770096*	*187.32244693*	*2.81286636*
Conc SD	*0.02224020[mg/l]*	*0.00077937[mg/l]*	*0.01167830[mg/l]*	*0.00376297[mg/l]*	*0.00427192[mg/l]*	*0.00046184[mg/l]*	*0.00053506[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	50712.80000000	9419.45000000	84669.70000000	1235510	23297300	264703	327279
Int RSD	*0.32888541*	*0.53239414*	*0.99307190*	*0.31044265*	*0.94882669*	*0.58511615*	*0.24942908*
Int SD	*166.78700000*	*50.14860000*	*840.83100000*	*3835.55000000*	*221051*	*1548.82000000*	*816.32900000*
RelInt Mean	0.00022577	0.00005062	0.00314970	---	---	---	0.25424300
RelInt RSD	*2.14339118*	*65.93311511*	*1.47228625*	---	---	---	*0.28430517*
RelInt SD	*0.00000484*	*0.00003338*	*0.00004637*	---	---	---	*0.00072283*
Conc Mean	0.00190877[mg/l]	0.00681153[mg/l]	0.51586200[mg/l]	1227110	23225100	263489	0.90678000[mg/l]
Conc RSD	*2.08754329*	*30.03612992*	*1.49275000*	---	---	---	*0.28441629*
Conc SD	*0.00003985[mg/l]*	*0.00204592[mg/l]*	*0.00770053[mg/l]*	*3813.95000000*	*220226*	*1517.07000000*	*0.00257903[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	47344.70000000	4965.34000000	9304.89000000	7887.09000000	356837	10421.10000000	
Int RSD	*0.31356414*	*3.50008257*	*0.47004317*	*1.26828780*	*0.12114747*	*0.16406905*	
Int SD	*148.45600000*	*173.79100000*	*43.73700000*	*100.03100000*	*432.29900000*	*17.09780000*	
RelInt Mean	0.17887300	0.00077772	0.00168639	0.00035430	0.28460500	0.00093707	
RelInt RSD	*0.74295729*	*45.44165222*	*5.17673255*	*32.69866358*	*0.28912001*	*2.44447290*	
RelInt SD	*0.00132895*	*0.00035341*	*0.00008730*	*0.00011585*	*0.00082285*	*0.00002291*	
Conc Mean	0.51189900[mg/l]	<-0.00011098[mg/l]	0.00557780[mg/l]	<0.00549707[mg/l]	1.03119000[mg/l]	<-0.06271790[mg/l]	
Conc RSD	*0.74092155*	*2050.74833978*	*24.91806806*	*67.62129644*	*0.28917658*	*2.72719590*	
Conc SD	*0.00379277[mg/l]*	*0.00227590[mg/l]*	*0.00138988[mg/l]*	*0.00371719[mg/l]*	*0.00298196[mg/l]*	*0.00171044[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496050 File : met06_master Time : 11-OCT-2022 11:53
Cal : 482409496001 Caldate : 11-OCT-2022
Standards: S17366, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0351	0.0351	1.000	0.9718	mg/l	-3	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	25192300	-13.17
Yttrium	A	1403580	1337780	-4.69
Yttrium	R	307858	270587	-12.11

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17366			Sample Type: Control Sample
Measure Date: 2022-10-11 11:53:36	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	368713	6145.93000000	28404.60000000	106610	471124	514639	238372
Int RSD	*0.63065853*	*2.25913735*	*0.56060990*	*0.21572836*	*0.01650892*	*1.06439077*	*0.09547975*
Int SD	*2325.32000000*	*138.84500000*	*159.23900000*	*229.98800000*	*77.77750000*	*5477.77000000*	*227.59700000*
RelInt Mean	0.01308020	0.01089080	0.01928300	0.07630080	0.34984000	1.90885000	0.17504700
RelInt RSD	*0.85715050*	*3.07204246*	*0.88123736*	*0.32010149*	*0.51575006*	*0.50404484*	*0.47809674*
RelInt SD	*0.00011212*	*0.00033457*	*0.00016993*	*0.00024424*	*0.00180430*	*0.00962146*	*0.00083689*
Conc Mean	0.48577000[mg/l]	1.10561000[mg/l]	1.04499000[mg/l]	0.99514600[mg/l]	0.96702700[mg/l]	101.04400000[mg/l]	0.98768300[mg/l]
Conc RSD	*0.85927702*	*3.47978039*	*0.87747443*	*0.32113680*	*0.51661743*	*0.50424963*	*0.47935724*
Conc SD	*0.00417411[mg/l]*	*0.03847280[mg/l]*	*0.00916952[mg/l]*	*0.00319578[mg/l]*	*0.00499583[mg/l]*	*0.50951400[mg/l]*	*0.00473453[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	197859	926914	453918	67414.80000000	125313	2207660	206372
Int RSD	*0.24189600*	*1.12503425*	*1.87494878*	*2.59625483*	*0.65893962*	*0.72249350*	*0.22800525*
Int SD	*478.61300000*	*10428.10000000*	*8510.73000000*	*1750.26000000*	*825.73700000*	*15950.20000000*	*470.53900000*
RelInt Mean	0.14465000	0.03542380	0.33596300	0.24951200	0.45782800	1.65359000	0.15241400
RelInt RSD	*0.56150294*	*1.31027163*	*2.37349649*	*2.85419539*	*1.01437439*	*0.48977981*	*0.31806724*
RelInt SD	*0.00081221*	*0.00046415*	*0.00797407*	*0.00712156*	*0.00464409*	*0.00809895*	*0.00048478*
Conc Mean	0.96155600[mg/l]	0.99506900[mg/l]	1.04360000[mg/l]	125.01300000[mg/l]	106.25000000[mg/l]	0.98397800[mg/l]	1.02317000[mg/l]
Conc RSD	*0.56150864*	*1.31547662*	*2.37607321*	*2.85321527*	*1.01427765*	*0.48989307*	*0.31829999*
Conc SD	*0.00539922[mg/l]*	*0.01308990[mg/l]*	*0.02479670[mg/l]*	*3.56689000[mg/l]*	*1.07767000[mg/l]*	*0.00482044[mg/l]*	*0.00325675[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	886272	155029	52579.90000000	32013.00000000	23354.80000000	365601	381768
Int RSD	*0.90793797*	*0.19816615*	*0.46933144*	*0.56363040*	*0.40720066*	*0.24549741*	*0.83464565*
Int SD	*8046.80000000*	*307.21500000*	*246.77400000*	*180.43500000*	*95.10090000*	*897.54100000*	*3186.41000000*
RelInt Mean	3.25694000	0.11215600	0.03511570	0.02120020	0.01536010	0.27276800	1.41311000
RelInt RSD	*0.85712970*	*0.59515407*	*1.05184860*	*1.16558334*	*1.02721987*	*0.27096030*	*0.45610108*
RelInt SD	*0.02791620*	*0.00066750*	*0.00036936*	*0.00024711*	*0.00015778*	*0.00073909*	*0.00644521*
Conc Mean	103.44300000[mg/l]	0.94220600[mg/l]	0.97181700[mg/l]	0.98375500[mg/l]	0.98056600[mg/l]	4.81813000[mg/l]	1.03186000[mg/l]
Conc RSD	*0.86716163*	*0.59593443*	*1.05278051*	*1.16865480*	*1.02837545*	*0.27107197*	*0.45588646*
Conc SD	*0.89701800[mg/l]*	*0.00561493[mg/l]*	*0.01023110[mg/l]*	*0.01149670[mg/l]*	*0.01008390[mg/l]*	*0.01306060[mg/l]*	*0.00470411[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3389450	23958.70000000	168205	1337780	25192300	270587	369894
Int RSD	*0.18842910*	*0.44724463*	*1.28386195*	*0.50624467*	*0.58426583*	*0.81264806*	*0.42705478*
Int SD	*6386.71000000*	*107.15400000*	*2159.52000000*	*6772.44000000*	*147190*	*2198.92000000*	*1579.65000000*
RelInt Mean	0.13293400	0.01597760	0.00631685	---	---	---	0.27516600
RelInt RSD	*0.70207998*	*0.21701820*	*1.57592946*	---	---	---	*0.50729741*
RelInt SD	*0.00093330*	*0.00003467*	*0.00009955*	---	---	---	*0.00139591*
Conc Mean	1.09470000[mg/l]	0.97643500[mg/l]	1.04140000[mg/l]	1330810	25130100	269439	0.98126500[mg/l]
Conc RSD	*0.70219329*	*0.21895467*	*1.58737277*	---	---	---	*0.50798102*
Conc SD	*0.00768691[mg/l]*	*0.00213795[mg/l]*	*0.01653090[mg/l]*	*6763.23000000*	*147190*	*2139.58000000*	*0.00498464[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	95826.30000000	53738.60000000	465699	233070	375600	105504	
Int RSD	*1.30415137*	*2.10439051*	*0.31977951*	*0.43758527*	*0.25076864*	*0.55546520*	
Int SD	*1249.72000000*	*1130.87000000*	*1489.21000000*	*1019.88000000*	*941.88700000*	*586.03800000*	
RelInt Mean	0.35470000	0.17965500	0.34571000	0.17257700	0.27798800	0.07632330	
RelInt RSD	*1.25994361*	*2.83888564*	*0.46319748*	*0.89430805*	*0.28829626*	*0.68364837*	
RelInt SD	*0.00446902*	*0.00510020*	*0.00160132*	*0.00154337*	*0.00080143*	*0.00052178*	
Conc Mean	1.01370000[mg/l]	1.15184000[mg/l]	5.55145000[mg/l]	5.53132000[mg/l]	1.00340000[mg/l]	5.56644000[mg/l]	
Conc RSD	*1.25802506*	*2.85149847*	*0.46619892*	*0.89519681*	*0.28853598*	*0.69995904*	
Conc SD	*0.01275260[mg/l]*	*0.03284470[mg/l]*	*0.02588080[mg/l]*	*0.04951620[mg/l]*	*0.00289517[mg/l]*	*0.03896280[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496051 File : met06_master Time : 11-OCT-2022 11:56
Cal : 482409496001 Caldate : 11-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	28205100	-2.78
Yttrium	A	1403580	1389040	-1.04
Yttrium	R	307858	281551	-8.55

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1	Sample Type: Control Sample		
Measure Date: 2022-10-11 11:56:50	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	38838.00000000	1477.48000000	2213.19000000	4839.71000000	5038.18000000	338.13300000	4646.43000000
Int RSD	*0.47742417*	*7.35055635*	*1.00883340*	*1.28400462*	*0.41737294*	*6.88099062*	*0.82384110*
Int SD	*185.42200000*	*108.60300000*	*22.32740000*	*62.14210000*	*21.02800000*	*23.26690000*	*38.27920000*
RelInt Mean	0.00003176	0.00163005	-0.00006492	0.00034341	0.00013837	0.00069325	0.00000986
RelInt RSD	*12.46235554*	*23.13487316*	*26.06914228*	*13.62613203*	*12.51987454*	*52.88208549*	*249.84457735*
RelInt SD	*0.00000396*	*0.00037711*	*0.00001692*	*0.00004679*	*0.00001732*	*0.00036660*	*0.00002464*
Conc Mean	<-0.00014661[mg/l]	<0.04062440[mg/l]	<0.00130235[mg/l]	<0.00134883[mg/l]	<0.00008584[mg/l]	<-0.00274382[mg/l]	<0.00004626[mg/l]
Conc RSD	*100.54701461*	*106.75308435*	*70.16209160*	*45.38970812*	*45.91593400*	*707.53912429*	*296.97649635*
Conc SD	*0.00014742[mg/l]*	*0.04336780[mg/l]*	*0.00091376[mg/l]*	*0.00061223[mg/l]*	*0.00003941[mg/l]*	*0.01941360[mg/l]*	*0.00013738[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4537.18000000	38161.10000000	12142.00000000	106.77100000	1539.11000000	6157.96000000	4208.94000000
Int RSD	*0.97323227*	*3.71839386*	*6.37419700*	*59.86653679*	*8.10604830*	*0.86795302*	*11.94343469*
Int SD	*44.15730000*	*1418.98000000*	*773.95500000*	*63.92010000*	*124.76100000*	*53.44820000*	*502.69200000*
RelInt Mean	0.00011399	0.00018404	0.00443247	-0.00007729	-0.00018159	0.00015537	0.00084500
RelInt RSD	*15.59797531*	*30.05438946*	*13.14310080*	*198.67312337*	*143.32380653*	*17.98569856*	*43.15122639*
RelInt SD	*0.00001778*	*0.00005531*	*0.00058256*	*0.00015356*	*0.00026027*	*0.00002794*	*0.00036463*
Conc Mean	0.00048001[mg/l]	<0.00134362[mg/l]	0.01280900[mg/l]	<-0.01102470[mg/l]	<-0.03699900[mg/l]	<-0.00024604[mg/l]	0.00553180[mg/l]
Conc RSD	*24.63089080*	*116.08713773*	*14.14068233*	*697.72692227*	*163.24170924*	*6.76062005*	*44.25557685*
Conc SD	*0.00011823[mg/l]*	*0.00155977[mg/l]*	*0.00181128[mg/l]*	*0.07692230[mg/l]*	*0.06039780[mg/l]*	*0.00001663[mg/l]*	*0.00244813[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11694.60000000	5153.28000000	5173.74000000	3463.81000000	2589.63000000	2968.52000000	836.49700000
Int RSD	*0.96092214*	*0.57763599*	*1.00643828*	*1.30021277*	*0.72326162*	*9.95533128*	*3.03519319*
Int SD	*112.37600000*	*29.76720000*	*52.07050000*	*45.03690000*	*18.72980000*	*295.52600000*	*25.38930000*
RelInt Mean	0.01630410	0.00014293	-0.00004086	0.00008438	0.00000021	0.00055330	-0.00038992
RelInt RSD	*2.10581388*	*19.52459578*	*107.04282232*	*25.24698381*	*6910.05786692*	*39.54465602*	*28.21003390*
RelInt SD	*0.00034333*	*0.00002791*	*0.00004373*	*0.00002130*	*0.00001460*	*0.00021880*	*0.00011000*
Conc Mean	<-0.66115100[mg/l]	<-0.00010742[mg/l]	<-0.00129508[mg/l]	0.00441518[mg/l]	<-0.00098915[mg/l]	0.00750775[mg/l]	<-0.00028928[mg/l]
Conc RSD	*1.66827245*	*218.54944564*	*93.09926800*	*22.49387341*	*94.34990209*	*51.50198129*	*27.76561728*
Conc SD	*0.01102980[mg/l]*	*0.00023477[mg/l]*	*0.00120571[mg/l]*	*0.00099314[mg/l]*	*0.00093326[mg/l]*	*0.00386664[mg/l]*	*0.00008032[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	60406.10000000	2224.27000000	9895.33000000	1389040	28205100	281551	3508.57000000
Int RSD	*6.12633492*	*0.67601056*	*2.79622812*	*0.51629471*	*0.80141180*	*0.29876008*	*0.48427137*
Int SD	*3700.68000000*	*15.03630000*	*276.69600000*	*7171.54000000*	*226039*	*841.16200000*	*16.99100000*
RelInt Mean	0.00066444	-0.00002008	0.00006238	---	---	---	0.00027792
RelInt RSD	*20.04584298*	*47.83254739*	*21.21035293*	---	---	---	*4.85000810*
RelInt SD	*0.00013319*	*0.00000961*	*0.00001323*	---	---	---	*0.00001348*
Conc Mean	0.00552099[mg/l]	<0.00245246[mg/l]	<0.00317615[mg/l]	1382520	28145400	280413	<-0.00002260[mg/l]
Conc RSD	*19.86564004*	*23.61824454*	*69.14534893*	---	---	---	*212.99049001*
Conc SD	*0.00109678[mg/l]*	*0.00057923[mg/l]*	*0.00219616[mg/l]*	*7162.60000000*	*226178*	*837.91000000*	*0.00004813[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	48.34060000	5395.86000000	6272.07000000	3094.26000000	4742.45000000	3844.74000000	
Int RSD	*87.08145948*	*2.02103094*	*0.93242263*	*1.77583978*	*0.37286424*	*0.33999438*	
Int SD	*42.09570000*	*109.05200000*	*58.48220000*	*54.94910000*	*17.68290000*	*13.07190000*	
RelInt Mean	-0.00066403	0.00045072	0.00120520	0.00027502	0.00009278	0.00034216	
RelInt RSD	*27.58255626*	*122.34602414*	*5.25416528*	*13.52294379*	*18.63734842*	*3.32775113*	
RelInt SD	*0.00018316*	*0.00055144*	*0.00006332*	*0.00003719*	*0.00001729*	*0.00001139*	
Conc Mean	<-0.00049721[mg/l]	<-0.00221679[mg/l]	<-0.00239084[mg/l]	<0.00295321[mg/l]	<0.00000201[mg/l]	<-0.10714000[mg/l]	
Conc RSD	*105.13140244*	*160.19559814*	*40.73400980*	*40.40654068*	*2961.57950377*	*0.79363356*	
Conc SD	*0.00052273[mg/l]*	*0.00355120[mg/l]*	*0.00097388[mg/l]*	*0.00119329[mg/l]*	*0.00005967[mg/l]*	*0.00085030[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496062 File : met06_master Time : 11-OCT-2022 12:37
Cal : 482409496001 Caldate : 11-OCT-2022
Standards: S17366, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0351	0.0355	1.000	0.9836	mg/l	-2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	24939900	-14.04
Yttrium	A	1403580	1331500	-5.14
Yttrium	R	307858	267304	-13.17

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17366 | Sample Type: Control Sample

Measure Date: 2022-10-11 12:37:07 | Recalculation Date: | State: Check failed | Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	370182	5981.48000000	28547.70000000	106755	471685	516174	238663
Int RSD	*0.76764673*	*3.69995386*	*0.75681403*	*0.61128565*	*0.45043620*	*1.34359925*	*0.33062645*
Int SD	*2841.69000000*	*221.31200000*	*216.05300000*	*652.57800000*	*2124.64000000*	*6935.31000000*	*789.08300000*
RelInt Mean	0.01327120	0.01053680	0.01946600	0.07676350	0.35189400	1.93778000	0.17606100
RelInt RSD	*0.63425689*	*0.99229368*	*0.85631357*	*0.26317716*	*0.06735494*	*0.25448709*	*0.07285259*
RelInt SD	*0.00008417*	*0.00010456*	*0.00016669*	*0.00020202*	*0.00023702*	*0.00493140*	*0.00012826*
Conc Mean	0.49288300[mg/l]	1.06490000[mg/l]	1.05486000[mg/l]	1.00120000[mg/l]	0.97270500[mg/l]	102.57600000[mg/l]	0.99345800[mg/l]
Conc RSD	*0.63596229*	*1.12925157*	*0.85292930*	*0.26402717*	*0.06590703*	*0.25430218*	*0.07465469*
Conc SD	*0.00313455[mg/l]*	*0.01202540[mg/l]*	*0.00899721[mg/l]*	*0.00264344[mg/l]*	*0.00064108[mg/l]*	*0.26085300[mg/l]*	*0.00074166[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	198670	928293	436347	63677.30000000	125744	2214870	206775
Int RSD	*0.52706498*	*1.15152220*	*0.73035222*	*2.86208743*	*0.24710841*	*0.41674274*	*0.84114134*
Int SD	*1047.12000000*	*10689.50000000*	*3186.87000000*	*1822.50000000*	*310.72400000*	*9230.31000000*	*1739.27000000*
RelInt Mean	0.14593000	0.03582840	0.32425200	0.23851100	0.46518000	1.66691000	0.15343000
RelInt RSD	*0.20320770*	*1.06672640*	*0.36030310*	*2.50271057*	*1.05683391*	*0.17078187*	*0.47667927*
RelInt SD	*0.00029654*	*0.00038219*	*0.00116829*	*0.00596924*	*0.00491618*	*0.00284678*	*0.00073137*
Conc Mean	0.97006900[mg/l]	1.00648000[mg/l]	1.00719000[mg/l]	119.50200000[mg/l]	107.95600000[mg/l]	0.99191300[mg/l]	1.02999000[mg/l]
Conc RSD	*0.20326080*	*1.07093037*	*0.36044341*	*2.50238490*	*1.05658787*	*0.17113094*	*0.47742405*
Conc SD	*0.00197177[mg/l]*	*0.01077870[mg/l]*	*0.00363035[mg/l]*	*2.99040000[mg/l]*	*1.14065000[mg/l]*	*0.00169747[mg/l]*	*0.00491742[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	876544	155047	52943.20000000	32281.50000000	23454.30000000	365754	380261
Int RSD	*0.67852726*	*0.45255697*	*0.62626173*	*0.56988988*	*0.35907446*	*0.51879679*	*1.07839878*
Int SD	*5947.59000000*	*701.67600000*	*331.56300000*	*183.96900000*	*84.21840000*	*1897.52000000*	*4100.73000000*
RelInt Mean	3.26029000	0.11269400	0.03554050	0.02147840	0.01547910	0.27415600	1.42475000
RelInt RSD	*1.75321214*	*0.13986104*	*0.42542170*	*0.81779835*	*0.09664063*	*0.12766089*	*0.14075662*
RelInt SD	*0.05715980*	*0.00015762*	*0.00015120*	*0.00017565*	*0.00001496*	*0.00034999*	*0.00200543*
Conc Mean	103.55000000[mg/l]	0.94673600[mg/l]	0.98358600[mg/l]	0.99668100[mg/l]	0.98816700[mg/l]	4.84266000[mg/l]	1.04037000[mg/l]
Conc RSD	*1.77331724*	*0.13981934*	*0.42550118*	*0.82207045*	*0.09680773*	*0.12777255*	*0.14050001*
Conc SD	*1.83627000[mg/l]*	*0.00132372[mg/l]*	*0.00418517[mg/l]*	*0.00819342[mg/l]*	*0.00095662[mg/l]*	*0.00618759[mg/l]*	*0.00146172[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3282730	24029.30000000	169100	1331500	24939900	267304	371511
Int RSD	*1.27525566*	*0.34530552*	*1.13017741*	*0.39051671*	*0.48602039*	*1.20521204*	*0.30505692*
Int SD	*41863.20000000*	*82.97450000*	*1911.13000000*	*5199.73000000*	*121213*	*3221.58000000*	*1133.32000000*
RelInt Mean	0.12998800	0.01610400	0.00641754	---	---	---	0.27768800
RelInt RSD	*1.22127427*	*0.81894560*	*1.08783272*	---	---	---	*0.12459019*
RelInt SD	*0.00158751*	*0.00013188*	*0.00006981*	---	---	---	*0.00034597*
Conc Mean	1.07044000[mg/l]	0.98421700[mg/l]	1.05812000[mg/l]	1324480	24877500	266222	0.99026500[mg/l]
Conc RSD	*1.22144165*	*0.82431821*	*1.09525385*	---	---	---	*0.12468481*
Conc SD	*0.01307480[mg/l]*	*0.00811308[mg/l]*	*0.01158910[mg/l]*	*5184.83000000*	*121173*	*3152.85000000*	*0.00123471[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	97281.70000000	51850.40000000	467691	233364	376888	105797	
Int RSD	*1.04668196*	*2.34756145*	*0.47656038*	*0.51083715*	*0.62787884*	*0.90924790*	
Int SD	*1018.23000000*	*1217.22000000*	*2228.83000000*	*1192.11000000*	*2366.40000000*	*961.95700000*	
RelInt Mean	0.36446200	0.17479500	0.34876200	0.17358600	0.28024600	0.07689550	
RelInt RSD	*1.32094978*	*2.04724964*	*0.11154340*	*0.18351134*	*0.24454693*	*0.94479651*	
RelInt SD	*0.00481436*	*0.00357849*	*0.00038902*	*0.00031855*	*0.00068533*	*0.00072651*	
Conc Mean	1.04156000[mg/l]	1.12053000[mg/l]	5.60071000[mg/l]	5.56368000[mg/l]	1.01154000[mg/l]	5.60917000[mg/l]	
Conc RSD	*1.31918468*	*2.05691057*	*0.11070043*	*0.18373091*	*0.24536252*	*0.96713061*	
Conc SD	*0.01374010[mg/l]*	*0.02304830[mg/l]*	*0.00620001[mg/l]*	*0.01022220[mg/l]*	*0.00248194[mg/l]*	*0.05424800[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496063 File : met06_master Time : 11-OCT-2022 12:40
Cal : 482409496001 Caldate : 11-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	27616100	-4.81
Yttrium	A	1403580	1379830	-1.69
Yttrium	R	307858	279094	-9.34

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-10-11 12:40:20	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	39999.60000000	1462.05000000	2304.14000000	5012.68000000	5080.46000000	362.04400000	4762.75000000
Int RSD	*0.43546685*	*3.25530591*	*0.10623747*	*0.37289235*	*0.56673018*	*12.44660870*	*0.20165136*
Int SD	*174.18500000*	*47.59420000*	*2.44786000*	*18.69190000*	*28.79250000*	*45.06220000*	*9.60415000*
RelInt Mean	0.00002673	0.00153168	-0.00004609	0.00041232	0.00009886	0.00074916	0.00002268
RelInt RSD	*9.93266396*	*10.99237439*	*51.11219586*	*8.48657485*	*13.96922635*	*36.91808469*	*70.23329233*
RelInt SD	*0.00000266*	*0.00016837*	*0.00002356*	*0.00003499*	*0.00001381*	*0.00027658*	*0.00001593*
Conc Mean	<-0.00033403[mg/l]	<0.02931090[mg/l]	<0.00231877[mg/l]	0.00225046[mg/l]	<-0.00002770[mg/l]	<0.00021721[mg/l]	<0.00011924[mg/l]
Conc RSD	*29.60096399*	*66.05801937*	*54.85968854*	*20.34330759*	*104.40725808*	*6742.96868885*	*76.75159129*
Conc SD	*0.00009888[mg/l]*	*0.01936220[mg/l]*	*0.00127207[mg/l]*	*0.00045782[mg/l]*	*0.00002893[mg/l]*	*0.01464620[mg/l]*	*0.00009152[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4638.69000000	39398.50000000	9133.60000000	131.63000000	1649.30000000	6276.24000000	4451.00000000
Int RSD	*1.30527584*	*3.67447999*	*4.30882675*	*50.68426650*	*0.72450737*	*1.38532943*	*11.87919569*
Int SD	*60.54770000*	*1447.69000000*	*393.55100000*	*66.71570000*	*11.94930000*	*86.94660000*	*528.74300000*
RelInt Mean	0.00011840	0.00019861	0.00220143	0.00004057	0.00001724	0.00016192	0.00100240
RelInt RSD	*33.91074475*	*26.95399550*	*13.92694748*	*857.53475979*	*303.96306629*	*46.02119526*	*38.41460495*
RelInt SD	*0.00004015*	*0.00005353*	*0.00030659*	*0.00034791*	*0.00005241*	*0.00007452*	*0.00038507*
Conc Mean	0.00050933[mg/l]	<0.00175444[mg/l]	0.00587231[mg/l]	<0.04801610[mg/l]	<0.00914304[mg/l]	<-0.00024214[mg/l]	0.00658861[mg/l]
Conc RSD	*52.41829398*	*86.04340986*	*16.23289642*	*362.95325943*	*133.01921462*	*18.31896854*	*39.23983966*
Conc SD	*0.00026698[mg/l]*	*0.00150958[mg/l]*	*0.00095325[mg/l]*	*0.17427600[mg/l]*	*0.01216200[mg/l]*	*0.00004436[mg/l]*	*0.00258536[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	13184.50000000	5230.34000000	5270.81000000	3576.47000000	2630.63000000	3112.29000000	879.98800000
Int RSD	*0.08437180*	*0.71765889*	*0.22736354*	*1.80144109*	*0.81215906*	*9.92809153*	*6.48067928*
Int SD	*11.12400000*	*37.53600000*	*11.98390000*	*64.42800000*	*21.36490000*	*308.99100000*	*57.02920000*
RelInt Mean	0.02138440	0.00013012	-0.00002852	0.00012930	0.00000866	0.00063472	-0.00020828
RelInt RSD	*2.55188362*	*15.12788392*	*52.50660833*	*29.63339650*	*222.41251962*	*36.81812453*	*116.16406524*
RelInt SD	*0.00054570*	*0.00001968*	*0.00001498*	*0.00003831*	*0.00001927*	*0.00023369*	*0.00024195*
Conc Mean	<-0.49794800[mg/l]	<-0.00021521[mg/l]	<-0.00095138[mg/l]	0.00651020[mg/l]	<-0.00044895[mg/l]	0.00894670[mg/l]	<-0.00015665[mg/l]
Conc RSD	*3.52078932*	*76.94613144*	*43.79265510*	*27.43295137*	*274.31584199*	*46.16026021*	*112.78471477*
Conc SD	*0.01753170[mg/l]*	*0.00016559[mg/l]*	*0.00041664[mg/l]*	*0.00178594[mg/l]*	*0.00123153[mg/l]*	*0.00412982[mg/l]*	*0.00017668[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	60231.80000000	2258.32000000	10093.40000000	1379830	27616100	279094	3609.79000000
Int RSD	*6.34208176*	*1.33157834*	*2.49586859*	*0.91388070*	*0.88757645*	*1.16286269*	*0.55346433*
Int SD	*3819.95000000*	*30.07130000*	*251.91800000*	*12610.00000000*	*245114*	*3245.48000000*	*19.97890000*
RelInt Mean	0.00062823	-0.00002278	0.00005949	---	---	---	0.00032590
RelInt RSD	*22.37273351*	*55.80281492*	*13.44885490*	---	---	---	*7.68606706*
RelInt SD	*0.00014055*	*0.00001271*	*0.00000800*	---	---	---	*0.00002505*
Conc Mean	0.00522280[mg/l]	<0.00228531[mg/l]	<0.00269648[mg/l]	1373250	27555400	277870	<0.00014878[mg/l]
Conc RSD	*22.16014398*	*33.68413913*	*49.23752448*	---	---	---	*60.10713662*
Conc SD	*0.00115738[mg/l]*	*0.00076979[mg/l]*	*0.00132768[mg/l]*	*12666.80000000*	*244999*	*3235.49000000*	*0.00008943[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	35.30310000	5388.90000000	6257.55000000	3172.24000000	4841.59000000	3898.80000000	
Int RSD	*226.87016154*	*2.07936685*	*0.95826482*	*2.30480670*	*0.79784121*	*0.25413820*	
Int SD	*80.09220000*	*112.05500000*	*59.96390000*	*73.11400000*	*38.62820000*	*9.90834000*	
RelInt Mean	-0.00056354	0.00037934	0.00114213	0.00029516	0.00008682	0.00034971	
RelInt RSD	*58.66855238*	*109.18149729*	*3.54377348*	*12.73077470*	*37.46119868*	*4.10819219*	
RelInt SD	*0.00033062*	*0.00041417*	*0.00004047*	*0.00003758*	*0.00003252*	*0.00001437*	
Conc Mean	<-0.00021040[mg/l]	<-0.00267648[mg/l]	<-0.00343553[mg/l]	<0.00359931[mg/l]	<-0.00002326[mg/l]	<-0.10657600[mg/l]	
Conc RSD	*448.46484349*	*99.65290232*	*17.42333788*	*33.49642015*	*516.22872814*	*1.00652117*	
Conc SD	*0.00094358[mg/l]*	*0.00266719[mg/l]*	*0.00059858[mg/l]*	*0.00120564[mg/l]*	*0.00012010[mg/l]*	*0.00107271[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496074 File : met06_master Time : 11-OCT-2022 13:16
Cal : 482409496001 Caldate : 11-OCT-2022
Standards: S17366, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0351	0.0356	1.000	0.9840	mg/l	-2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	24846300	-14.36
Yttrium	A	1403580	1330990	-5.17
Yttrium	R	307858	266482	-13.44

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17366 | Sample Type: Control Sample

Measure Date: 2022-10-11 13:16:10 | Recalculation Date: | State: Check failed | Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	370211	6035.38000000	28741.30000000	106736	473222	518713	239344
Int RSD	*0.95491760*	*3.05213591*	*0.87472731*	*0.20891733*	*0.22730980*	*1.41153200*	*0.11702696*
Int SD	*3535.21000000*	*184.20800000*	*251.40800000*	*222.99000000*	*1075.68000000*	*7321.80000000*	*280.09700000*
RelInt Mean	0.01329610	0.01043870	0.01960240	0.07674420	0.35319600	1.95374000	0.17661700
RelInt RSD	*0.46907439*	*7.51189324*	*0.85395156*	*0.36235442*	*0.12920871*	*0.10986825*	*0.11966458*
RelInt SD	*0.00006237*	*0.00078414*	*0.00016739*	*0.00027809*	*0.00045636*	*0.00214654*	*0.00021135*
Conc Mean	0.49381100[mg/l]	1.05362000[mg/l]	1.06222000[mg/l]	1.00095000[mg/l]	0.97630700[mg/l]	103.42100000[mg/l]	0.99658500[mg/l]
Conc RSD	*0.47033582*	*8.55900609*	*0.85081527*	*0.36323393*	*0.12951049*	*0.10982102*	*0.11943286*
Conc SD	*0.00232257[mg/l]*	*0.09017940[mg/l]*	*0.00903753[mg/l]*	*0.00363579[mg/l]*	*0.00126442[mg/l]*	*0.11357800[mg/l]*	*0.00119025[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	199310	928331	440558	62020.60000000	125534	2214320	207285
Int RSD	*0.48859415*	*1.15655946*	*0.32376214*	*2.39291461*	*0.43708557*	*0.30386891*	*0.31234629*
Int SD	*973.81700000*	*10736.70000000*	*1426.36000000*	*1484.10000000*	*548.69100000*	*6728.63000000*	*647.44700000*
RelInt Mean	0.14643200	0.03593960	0.32753500	0.23294500	0.46554100	1.66713000	0.15385600
RelInt RSD	*0.56845157*	*0.58508442*	*0.15093043*	*3.46795596*	*0.81101772*	*0.12830013*	*0.50974613*
RelInt SD	*0.00083239*	*0.00021028*	*0.00049435*	*0.00807843*	*0.00377562*	*0.00213893*	*0.00078428*
Conc Mean	0.97340600[mg/l]	1.00961000[mg/l]	1.01740000[mg/l]	116.71400000[mg/l]	108.04000000[mg/l]	0.99204300[mg/l]	1.03285000[mg/l]
Conc RSD	*0.56889006*	*0.58742485*	*0.15126794*	*3.46747605*	*0.81095243*	*0.12844000*	*0.50991916*
Conc SD	*0.00553761[mg/l]*	*0.00593070[mg/l]*	*0.00153900[mg/l]*	*4.04703000[mg/l]*	*0.87615300[mg/l]*	*0.00127418[mg/l]*	*0.00526670[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	874572	155983	53015.40000000	32292.60000000	23724.50000000	367067	380733
Int RSD	*1.23523278*	*0.43980818*	*0.56416249*	*0.28473396*	*0.93857826*	*0.24166841*	*1.39065172*
Int SD	*10803.00000000*	*686.02600000*	*299.09300000*	*91.94800000*	*222.67300000*	*887.08500000*	*5294.67000000*
RelInt Mean	3.26296000	0.11339700	0.03555390	0.02146340	0.01567170	0.27525600	1.43094000
RelInt RSD	*0.88023451*	*0.30344013*	*0.67118375*	*0.35085308*	*1.00264170*	*0.40922269*	*0.24754777*
RelInt SD	*0.02872170*	*0.00034409*	*0.00023863*	*0.00007530*	*0.00015713*	*0.00112641*	*0.00354226*
Conc Mean	103.63600000[mg/l]	0.95264800[mg/l]	0.98396000[mg/l]	0.99596200[mg/l]	1.00048000[mg/l]	4.86211000[mg/l]	1.04489000[mg/l]
Conc RSD	*0.89000540*	*0.30398636*	*0.67074881*	*0.35477257*	*1.00337838*	*0.40932023*	*0.24766148*
Conc SD	*0.92236600[mg/l]*	*0.00289592[mg/l]*	*0.00659990[mg/l]*	*0.00353340[mg/l]*	*0.01003860[mg/l]*	*0.01990160[mg/l]*	*0.00258779[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3300380	24043.70000000	169480	1330990	24846300	266482	373805
Int RSD	*1.29173307*	*0.24694327*	*1.31647982*	*0.18818624*	*0.69558848*	*1.28117847*	*0.10678054*
Int SD	*42632.10000000*	*59.37430000*	*2231.17000000*	*2504.74000000*	*172828*	*3414.11000000*	*399.15100000*
RelInt Mean	0.13116300	0.01610650	0.00644653	---	---	---	0.27951500
RelInt RSD	*0.70662001*	*0.11624065*	*0.61913619*	---	---	---	*0.26170867*
RelInt SD	*0.00092682*	*0.00001872*	*0.00003991*	---	---	---	*0.00073152*
Conc Mean	1.08011000[mg/l]	0.98433600[mg/l]	1.06293000[mg/l]	1323930	24783700	265327	0.99679100[mg/l]
Conc RSD	*0.70686597*	*0.11613616*	*0.62323201*	---	---	---	*0.26208804*
Conc SD	*0.00763493[mg/l]*	*0.00114317[mg/l]*	*0.00662452[mg/l]*	*2485.50000000*	*172523*	*3456.30000000*	*0.00261247[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	97243.30000000	50976.90000000	469847	234881	377082	106471	
Int RSD	*0.86352273*	*1.22558257*	*0.10331980*	*0.12465376*	*0.15063010*	*0.27274751*	
Int SD	*839.71800000*	*624.76400000*	*485.44500000*	*292.78800000*	*567.99900000*	*290.39700000*	
RelInt Mean	0.36543400	0.17182300	0.35053100	0.17482400	0.28048800	0.07739470	
RelInt RSD	*0.51218551*	*2.41295403*	*0.28798879*	*0.31725507*	*0.32358782*	*0.30183462*	
RelInt SD	*0.00187170*	*0.00414601*	*0.00100949*	*0.00055464*	*0.00090763*	*0.00023360*	
Conc Mean	1.04434000[mg/l]	1.10140000[mg/l]	5.62927000[mg/l]	5.60342000[mg/l]	1.01239000[mg/l]	5.64644000[mg/l]	
Conc RSD	*0.51163989*	*2.42415108*	*0.28820788*	*0.31734191*	*0.32739656*	*0.30891677*	
Conc SD	*0.00534326[mg/l]*	*0.02669960[mg/l]*	*0.01622400[mg/l]*	*0.01778200[mg/l]*	*0.00331453[mg/l]*	*0.01744280[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 470417 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482409496075 File : met06_master Time : 11-OCT-2022 13:19
Cal : 482409496001 Caldate : 11-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29012300	28044900	-3.33
Yttrium	A	1403580	1378440	-1.79
Yttrium	R	307858	278693	-9.47

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1	Sample Type: Control Sample		
Measure Date: 2022-10-11 13:19:24	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	39977.10000000	1484.92000000	2324.54000000	5001.11000000	5109.99000000	268.32700000	4796.45000000
Int RSD	*0.63198681*	*11.72251704*	*2.96042228*	*1.51949267*	*0.94305664*	*51.58183858*	*0.58858948*
Int SD	*252.65000000*	*174.07000000*	*68.81620000*	*75.99150000*	*48.19010000*	*138.40800000*	*28.23140000*
RelInt Mean	0.00003281	0.00147217	-0.00005444	0.00036528	0.00008035	0.00037529	0.00001494
RelInt RSD	*32.42825621*	*28.17113513*	*89.95927799*	*15.27284325*	*45.16099724*	*109.33259079*	*85.74431620*
RelInt SD	*0.00001064*	*0.00041473*	*0.00004898*	*0.00005579*	*0.00003629*	*0.00041031*	*0.00001281*
Conc Mean	<-0.00010763[mg/l]	<0.02246750[mg/l]	<0.00186809[mg/l]	<0.00163500[mg/l]	<-0.00007556[mg/l]	<-0.01958150[mg/l]	<0.00007534[mg/l]
Conc RSD	*368.14955216*	*212.27995994*	*141.53172492*	*44.64336391*	*130.52791501*	*110.96238797*	*94.37821049*
Conc SD	*0.00039623[mg/l]*	*0.04769400[mg/l]*	*0.00264394[mg/l]*	*0.00072992[mg/l]*	*0.00009863[mg/l]*	*0.02172810[mg/l]*	*0.00007110[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4668.05000000	39465.50000000	9528.64000000	130.67600000	1622.81000000	6336.14000000	4306.90000000
Int RSD	*0.85569349*	*4.24540421*	*4.78140637*	*9.75358903*	*5.91087065*	*1.36153715*	*11.43627667*
Int SD	*39.94420000*	*1675.47000000*	*455.60300000*	*12.74560000*	*95.92220000*	*86.26890000*	*492.54900000*
RelInt Mean	0.00011107	0.00020239	0.00244162	-0.00009893	-0.00019028	0.00015861	0.00085920
RelInt RSD	*22.09686133*	*25.75432962*	*13.38619441*	*95.28088752*	*130.07467824*	*29.91879453*	*42.66721601*
RelInt SD	*0.00002454*	*0.00005212*	*0.00032684*	*0.00009426*	*0.00024751*	*0.00004745*	*0.00036660*
Conc Mean	0.00046055[mg/l]	<0.00186084[mg/l]	0.00661912[mg/l]	<-0.02186120[mg/l]	<-0.03901560[mg/l]	<-0.00024411[mg/l]	0.00562718[mg/l]
Conc RSD	*35.43387443*	*78.98583435*	*15.35249399*	*215.98082447*	*147.21752325*	*11.57139053*	*43.74055921*
Conc SD	*0.00016319[mg/l]*	*0.00146980[mg/l]*	*0.00101620[mg/l]*	*0.04721600[mg/l]*	*0.05743780[mg/l]*	*0.00002825[mg/l]*	*0.00246136[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12981.00000000	5309.56000000	5355.70000000	3587.32000000	2710.74000000	3139.99000000	915.86300000
Int RSD	*1.24840921*	*0.17576560*	*1.51221502*	*2.59402841*	*1.21349521*	*9.87101870*	*7.60739325*
Int SD	*162.05600000*	*9.33238000*	*80.98970000*	*93.05610000*	*32.89470000*	*309.94900000*	*69.67330000*
RelInt Mean	0.02013300	0.00014412	-0.00000575	0.00010582	0.00002863	0.00062525	-0.00029056
RelInt RSD	*0.93537972*	*1.53838148*	*697.69206670*	*62.67304839*	*55.27458439*	*35.28387227*	*32.36351497*
RelInt SD	*0.00018832*	*0.00000222*	*0.00004009*	*0.00006632*	*0.00001582*	*0.00022061*	*0.00009404*
Conc Mean	<-0.53814800[mg/l]	<-0.00009743[mg/l]	<-0.00031936[mg/l]	0.00541560[mg/l]	<0.00082670[mg/l]	0.00877926[mg/l]	<-0.00021673[mg/l]
Conc RSD	*1.12436170*	*19.13959866*	*344.93037703*	*57.11001551*	*122.31342778*	*44.40750132*	*31.68311578*
Conc SD	*0.00605073[mg/l]*	*0.00001865[mg/l]*	*0.00110158[mg/l]*	*0.00309285[mg/l]*	*0.00101117[mg/l]*	*0.00389865[mg/l]*	*0.00006867[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	60556.00000000	2296.13000000	10087.40000000	1378440	28044900	278693	3682.17000000
Int RSD	*6.57099214*	*0.54106257*	*3.24281777*	*0.42638708*	*0.02649284*	*1.02697233*	*1.28986983*
Int SD	*3979.13000000*	*12.42350000*	*327.11600000*	*5877.49000000*	*7429.89000000*	*2862.10000000*	*47.49520000*
RelInt Mean	0.00063776	-0.00003549	0.00005887	---	---	---	0.00034187
RelInt RSD	*22.28171903*	*26.71598975*	*14.93900057*	---	---	---	*8.26589443*
RelInt SD	*0.00014210*	*0.00000948*	*0.00000879*	---	---	---	*0.00002826*
Conc Mean	0.00530125[mg/l]	<0.00150961[mg/l]	<0.00259339[mg/l]	1371760	27984100	277464	<0.00020581[mg/l]
Conc RSD	*22.07309597*	*38.71390624*	*56.27846178*	---	---	---	*49.00759427*
Conc SD	*0.00117015[mg/l]*	*0.00058443[mg/l]*	*0.00145952[mg/l]*	*5872.68000000*	*7850.05000000*	*2792.12000000*	*0.00010086[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	123.84200000	5658.34000000	6512.06000000	3228.26000000	4912.27000000	4094.34000000	
Int RSD	*85.10036983*	*1.13221899*	*0.58372312*	*1.82927026*	*0.62112221*	*0.33116693*	
Int SD	*105.39000000*	*64.06480000*	*38.01240000*	*59.05360000*	*30.51120000*	*13.55910000*	
RelInt Mean	-0.00030892	0.00086838	0.00128429	0.00030861	0.00010654	0.00043858	
RelInt RSD	*72.89878155*	*8.64801902*	*0.70671344*	*12.38370511*	*20.41983049*	*3.01462222*	
RelInt SD	*0.00022520*	*0.00007510*	*0.00000908*	*0.00003822*	*0.00002176*	*0.00001322*	
Conc Mean	<0.00051628[mg/l]	<0.00047292[mg/l]	<-0.00111261[mg/l]	<0.00403103[mg/l]	<0.00004986[mg/l]	<-0.09994050[mg/l]	
Conc RSD	*124.48758227*	*102.26403843*	*11.97059167*	*30.41976864*	*146.32947293*	*0.98801587*	
Conc SD	*0.00064270[mg/l]*	*0.00048362[mg/l]*	*0.00013319[mg/l]*	*0.00122623[mg/l]*	*0.00007295[mg/l]*	*0.00098743[mg/l]*	

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

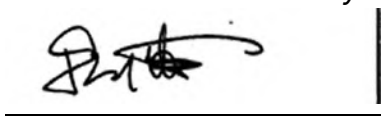
Lab Job Number: 470422
Report Level: II
Report Date: 01/12/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	470422
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/07/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-P-LA	470422-001	10/07/22 09:12	Wipe
ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-P-DUP-LA	470422-002	10/07/22 09:12	Wipe
ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-L-LA	470422-003	10/07/22 09:12	Wipe
ARCH-C1E-DG-2.5 TO 3-DN-C1.5-VS-221007-P-LA	470422-004	10/07/22 09:33	Wipe
ARCH-C1E-DG-2.5 TO 3-DN-C1.5-VS-221007-L-LA	470422-005	10/07/22 09:33	Wipe
ARCH-C1E-DG-3 TO 3.5-UP-C1.6-HS-221007-P-LA	470422-006	10/07/22 10:32	Wipe
ARCH-C1E-DG-3 TO 3.5-UP-C1.6-HS-221007-L-LA	470422-007	10/07/22 10:32	Wipe
ARCH-C1E-DG-3 TO 3.5-DN-C1.6-DG-221007-P-LA	470422-008	10/07/22 11:37	Wipe
ARCH-C1E-DG-3 TO 3.5-DN-C1.6-DG-221007-L-LA	470422-009	10/07/22 11:37	Wipe
ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221007-P-LA	470422-010	10/07/22 11:24	Wipe
ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221007-L-LA	470422-011	10/07/22 11:24	Wipe
ARCH-C2E-DG-2 TO 2.5-221007-P-FB	470422-012	10/07/22 09:01	Wipe
ARCH-C2E-DG-2 TO 2.5-221007-L-FB	470422-013	10/07/22 09:01	Wipe
ARCH-C2E-PS-2.5-221007-P-G	470422-014	10/07/22 09:48	Wipe
ARCH-C2E-PS-2.5-221007-L-G	470422-015	10/07/22 09:48	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	470422
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/07/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C2E-DG-3 TO 3.5-221007-P-FB	470422-016	10/07/22 10:45	Wipe
ARCH-C2E-DG-3 TO 3.5-221007-P-DUP-FB	470422-017	10/07/22 10:45	Wipe
ARCH-C2E-DG-3 TO 3.5-221007-L-FB	470422-018	10/07/22 10:45	Wipe
ARCH-C2E-DG-2 TO 2.5-UP-C2.4-HS-221007-P-LA	470422-019	10/07/22 08:45	Wipe
ARCH-C2E-DG-2 TO 2.5-UP-C2.4-HS-221007-L-LA	470422-020	10/07/22 08:45	Wipe
ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221007-P-LA	470422-021	10/07/22 10:17	Wipe
ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221007-L-LA	470422-022	10/07/22 10:17	Wipe
ARCH-C2E-DG-2.5 TO 3-DN-C2.3-VS-221007-P-LA	470422-023	10/07/22 10:04	Wipe
ARCH-C2E-DG-2.5 TO 3-DN-C2.3-VS-221007-L-LA	470422-024	10/07/22 10:04	Wipe
ARCH-C2E-DG-3 TO 3.5-UP-C2.1-HS-221007-P-LA	470422-025	10/07/22 10:59	Wipe
ARCH-C2E-DG-3 TO 3.5-UP-C2.1-HS-221007-L-LA	470422-026	10/07/22 10:59	Wipe
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-P-LA	470422-027	10/07/22 12:04	Wipe
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-L-LA	470422-028	10/07/22 12:04	Wipe
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-L-DUP-LA	470422-029	10/07/22 12:04	Wipe

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Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	470422
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/07/22

Sample ID	Lab ID	Collected	Matrix
221007-P-MEDBLANK1	470422-030	10/07/22 07:21	Wipe
221007-L-MEDBLANK1	470422-031	10/07/22 07:21	Wipe
ARCH-C2E-EXT-3 TO 4-221007-L-WF	470422-032	10/07/22 11:52	Wipe
ARCH-C2E-EXT-3 TO 4-221007-P-WF	470422-033	10/07/22 11:52	Wipe

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Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 470422 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/07/22

This data package contains sample and QC results for thirty three wipe samples, requested for the above referenced project on 10/10/22. The samples were received cold and intact. Reissued 1/12/23 to revise the preparation method reference.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

470422

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 54

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK & BG

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure B/C

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/60108	HOLD
16	~~ARCH-C2W-DG-3 TO 3.5-2210 -P-~~	10/ /2022		WP	1		X		
17	~~ARCH-C2W-DG-3 TO 3.5-2210 -L-~~	10/ /2022		WP	1			X	
18	~~ARCH-C2W-DG-3 TO 3.5-2210 -L-DUP-~~	10/ /2022		WP	1			X	
19	~~ARCH-C2W-PS-3.5-2210 -P-~~	10/ /2022		WP	1		X		
20	~~ARCH-C2W-PS-3.5-2210 -L-~~	10/ /2022		WP	1			X	
21	~~ARCH-C2W-DG-2.5 TO 3-DN-C2.3-VS-2210 -P-~~	10/ /2022		WP	1		X		
22	~~ARCH-C2W-DG-2.5 TO 3-DN-C2.3-VS-2210 -L-~~	10/ /2022		WP	1			X	
23	~~ARCH-C2W-DG-3 TO 3.5-UP-C2.1-HS-2210 -P-~~	10/ /2022		WP	1		X		
24	~~ARCH-C2W-DG-3 TO 3.5-UP-C2.1-HS-2210 -L-~~	10/ /2022		WP	1			X	
25	~~ARCH-C2W-DG-3.5 TO 4-UP-C2.4-VS-2210 -P-~~	10/ /2022		WP	1		X		
26	~~ARCH-C2W-DG-3.5 TO 4-UP-C2.4-VS-2210 -P-DUP-~~	10/ /2022		WP	1		X		
27	~~ARCH-C2W-DG-3.5 TO 4-UP-C2.4-VS-2210 -L-~~	10/ /2022		WP	1			X	
28	ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-2210-07-P-LA	10/07/2022	0912	WP	1		X		
29	ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-2210-07-P-DUP-LA	10/07/2022	0912	WP	1		X		
30	ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-2210-07-L-LA	10/07/2022	0912	WP	1			X	

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	10/7/22 @ 1365
1 Received By:	Audrey Hudson	Audrey Hudson	Enthalpy	10/7/22 @ 13:55
2 Relinquished By:	Audrey Hudson			10/7/22 15:30
2 Received By:				10/7/22 1530
3 Relinquished By:				10/7/22 1628
3 Received By:		Elizabeth Ramirez	EA – Orange	10/8/22 10:17

470422

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Chain of Custody Record

Page: 2 of 4 COC ID:

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

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Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK & RG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
31	ARCH-C1E-DG-2.5 TO 3-DN-C1.5-VS-221007-P-LA	10/07/2022	0933	WP	1		X			**Confirmation Wipe Samples - Level II Report/Stage 2A Validation**
32	ARCH-C1E-DG-2.5 TO 3-DN-C1.5-VS-221007-L-LA	10/07/2022	0933	WP	1			X		Report PCB concentrations on a µg/100cm² basis
33	ARCH-C1E-DG-3 TO 3.5-UP-C1.6-HS-221007-P-LA	10/07/2022	1032	WP	1		X			Report lead concentrations on a µg/ft² basis
34	ARCH-C1E-DG-3 TO 3.5-UP-C1.6-HS-221007-L-LA	10/07/2022	1032	WP	1			X		Report Aroclor 1268 concentrations in addition to the standard Aroclors
35	ARCH-C1E-DG-3TO3.5-DN-C1.6-DG-221007-P-LA	10/07/2022	1137	WP	1		X			2 x Rivet Type 2 = 0.0200 ft²
36	ARCH-C1E-DG-3TO3.5-DN-C1.6-DG-221007-L-LA	10/07/2022	1137	WP	1			X		
37	ARCH-C1E-DG-3TO3.5-DN-C1.4-UP-221007-P-LA	10/07/2022	1124	WP	1		X			
38	ARCH-C1E-DG-3TO3.5-DN-C1.4-UP-221007-L-LA	10/07/2022	1124	WP	1			X		3 x Rivet Type 2 = 0.0300 ft²
39	ARCH-C2E-DG-1.5 TO 2-221007-P-FB	10/07/2022	0901	WP	1		X			
40	ARCH-C2E-DG-1.5TO2.5-221007-L-FB	10/07/2022	0901	WP	1			X		
41	ARCH-C2E-PS-2.5-221007-P-G	10/07/2022	0948	WP	1		X			
42	ARCH-C2E-PS-2.5-221007-L-G	10/07/2022	0948	WP	1			X		6 x Type 1 Rivet = 0.0828 ft²
43	ARCH-C2E-DG-3 TO 3.5-221007-P-FB	10/07/2022	1045	WP	1		X			
44	ARCH-C2E-DG-3 TO 3.5-221007-P-DUP-FB	10/07/2022	1045	WP	1		X			
45	ARCH-C2E-DG-3 TO 3.5-221007-L-FB	10/07/2022	1045	WP	1			X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/Environmental Scientist	10/7/22 @ 1355
[1] Received By:	Lindsay Hudson	AUDREY HUDSON	ENTHALPY "	10/7/22 @ 13:55
[2] Relinquished By:	Audrey Hudson	"	"	10/7/22 15:30
[2] Received By:		Maxwell Yip	BA	10/7/22 15:30
[3] Relinquished By:		Maxwell Yip	BA	10/7/22 16:29
[3] Received By:		Elizabeth Ham	EA - Orange	10/8/22 10:17

4/7/22

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Chain of Custody Record

Page: 3/4 of 4/4 COC ID:

Turn Around Time (rush by advanced notice only)

Standard: | X (PCBs) | 5 Day: | | 3 Day: |
2 Day: | | 1 Day: | X (Pb) | Custom TAT:

Enthalpy Analytical - Orange

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Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

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Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK & BG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
46	~~ARCH-C2E-PS-3.5-2210 -P-~~	10/ /2022		WP	1		X			
47	~~ARCH-C2E-PS-3.5-2210 -L-~~	10/ /2022		WP	1			X		MK
48	ARCH-C2E-DG-2 TO 2.5-UP-C2.4-HS-221007-P-LA	10/07/2022	0845	WP	1		X			MK
49	ARCH-C2E-DG-2 TO 2.5-UP-C2.4-HS-221007-L-LA	10/07/2022	0845	WP	1			X		2x Rivet Type 2 = 0.0120 ft2
50	ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221007-P-LA	10/07/2022	1017	WP	1		X			
51	ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221007-L-LA	10/07/2022	1017	WP	1			X		
52	ARCH-C2E-DG-2.5 TO 3-DN-C2.3-VS-221007-P-LA	10/07/2022	1004	WP	1		X			
53	ARCH-C2E-DG-2.5 TO 3-DN-C2.3-VS-221007-L-LA	10/07/2022	1004	WP	1			X		2x Rivet Type 2 = 0.0200 ft2
54	ARCH-C2E-DG-3 TO 3.5-UP-C2.1-HS-221007-P-LA	10/07/2022	1059	WP	1		X			
55	ARCH-C2E-DG-3 TO 3.5-UP-C2.1-HS-221007-L-LA	10/07/2022	1059	WP	1			X		1x Rivet Type 2 = 0.0100 ft2
56	~~ARCH-C2E-DG-3.5 TO 4-UP~~ 3T03.5-DN-C2.4-VS-221007-P-LA	10/07/2022	1204	WP	1		X			
57	~~ARCH-C2E-DG-3.5 TO 4-UP~~ 3T03.5-DN-C2.4-VS-221007-L-LA	10/07/2022	1204	WP	1			X		3x Rivet Type 2 = 0.0300 ft2
58	~~ARCH-C2E-DG-3.5 TO 4-UP~~ 3T03.5-DN-C2.4-VS-221007-L-DUP-LA	10/07/2022	1204	WP	1			X		3x Rivet Type 2 = 0.0300 ft2
59	221007-P-MEDBLANK1	10/07/2022	0721	WP	1		X			Collected from Low Occupancy zone of Hangar 1
60	221007-L-MEDBLANK1	10/07/2022	0721	WP	1			X		Collected from Low Occupancy zone of Hangar 1

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	10/7/22 @ 1355
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	10/7/22 @ 13:55
2 Relinquished By:	Audrey Hudson	"	"	10/7/22 15:30
2 Received By:		Maxwell Wu	BA	10/7/22 1530
3 Relinquished By:		Maxwell Wu	BA	10/7/22 1628
3 Received By:		Elizabeth Nguyen	EA - Orange	10/8/22 10:17

Record

4704.22

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID: 4

Page: 5 of 5

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	MK & BG

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
61	~~2210 -P-MEDBLANK2~~	~~10/ /2022~~		~~WP~~	~~1~~		X			~~Collected from Low Occupancy zone of Hangar 1~~ MK
62	~~2210 -L-MEDBLANK2~~	~~10/ /2022~~		~~WP~~	~~1~~			X		~~Collected from Low Occupancy zone of Hangar 1~~ MK
63	~~ARCH-C2E-3704~~									Collected from Low Occupancy zone of Hangar 1 MK
64	ARCH-C2E-EXT-3704-221007-L-WF	10/7/22	1152	WP	1			X		
65										
66	ARCH-C2E-EXT-3704-221007-P-WF	10/7/22	1152	WP	1		X			
67										
68										
69										
70										
71										
72										
73										
74										
75										

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure B/C

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	Audrey Hudson	Michaela Kim	Rincon/Env. Scientist	10/7/22 @ 1355
[1] Received By:	Audrey Hudson	Audrey Hudson	Enthalpy	10/7/22 @ 13:55
[2] Relinquished By:				10/7/22 15:36
[2] Received By:				10/7/22 1530
[3] Relinquished By:				10/7/22 1628
[3] Received By:		Elizabeth Ramos	EA - Orange	10/8/22 10:17

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 47047 Client: Ronson

Date Received: 10/3/22 Project:

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 10/3/22 By (print) MM (sign)

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer?			
Did all bottles arrive unbroken/unopened?		✓	
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? By Date:			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: 1 VOA for sample -009 arrived cracked replaced w/ new one at lab.

Date Logged in 10/3/22 **By (print)** MM **(sign)**

Date Labeled 10/3/22 **By (print)** MM **(sign)**

ENTHALPY ANALYTICAL

470422

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hangar 1 NTCRA

Date Received: 10/08/2022

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: SDS 557937310 GLS

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.4 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 10/08/22

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 557937310

SDS

ORANGE

S10003H

73071785

ORC CA927-EH0

Print Date: 10/7/2022 10:34 AM

Package 4 of 10

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

#0 2.4/4.4

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-P-LA **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-001 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Diln Fac: 1.000 **Analyzed:** 10/11/22

470422-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-001 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	65	50-150

Field ID: ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-P-DUP-LA **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-002 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Diln Fac: 1.000 **Analyzed:** 10/11/22

470422-002 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-002 Surrogate	%REC	Limits
TCMX (PCB)	72	52-186
Decachlorobiphenyl (PCB)	65	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1E-DG-2.5 TO 3-DN-C1.5-VS-221007-P-LA **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-004 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Dln Fac: 1.000 **Analyzed:** 10/11/22

470422-004 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-004 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	64	50-150

Field ID: ARCH-C1E-DG-3 TO 3.5-UP-C1.6-HS-221007-P-LA **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-006 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Dln Fac: 1.000 **Analyzed:** 10/11/22

470422-006 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-006 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	59	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1E-DG-3 TO 3.5-DN-C1.6-DG-221007-P-LA **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-008 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Dln Fac: 1.000 **Analyzed:** 10/11/22

470422-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-008 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	54	50-150

Field ID: ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221007-P-LA **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-010 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Dln Fac: 1.000 **Analyzed:** 10/11/22

470422-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-010 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	59	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-DG-2 TO 2.5-221007-P-FB **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-012 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Dil Fac: 1.000 **Analyzed:** 10/11/22

470422-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-012 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	63	50-150

Field ID: ARCH-C2E-PS-2.5-221007-P-G **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-014 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Dil Fac: 1.000 **Analyzed:** 10/11/22

470422-014 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-014 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	57	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-DG-3 TO 3.5-221007-P-FB **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-016 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Dil'n Fac: 1.000 **Analyzed:** 10/11/22

470422-016 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-016 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	60	50-150

Field ID: ARCH-C2E-DG-3 TO 3.5-221007-P-DUP-FB **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-017 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Dil'n Fac: 1.000 **Analyzed:** 10/11/22

470422-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-017 Surrogate	%REC	Limits
TCMX (PCB)	71	52-186
Decachlorobiphenyl (PCB)	68	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-DG-2 TO 2.5-UP-C2.4-HS-221007-P-LA **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-019 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Diln Fac: 1.000 **Analyzed:** 10/11/22

470422-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-019 Surrogate	%REC	Limits
TCMX (PCB)	75	52-186
Decachlorobiphenyl (PCB)	75	50-150

Field ID: ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221007-P-LA **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-021 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Diln Fac: 1.000 **Analyzed:** 10/11/22

470422-021 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-021 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	61	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-DG-2.5 TO 3-DN-C2.3-VS-221007-P-LA **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-023 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Dln Fac: 1.000 **Analyzed:** 10/11/22

470422-023 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-023 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	53	50-150

Field ID: ARCH-C2E-DG-3 TO 3.5-UP-C2.1-HS-221007-P-LA **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-025 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Dln Fac: 1.000 **Analyzed:** 10/11/22

470422-025 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-025 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	66	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-P-LA **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-027 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Diln Fac: 1.000 **Analyzed:** 10/11/22

470422-027 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-027 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	64	50-150

Field ID: 221007-P-MEDBLANK1 **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-030 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

Diln Fac: 1.000 **Analyzed:** 10/11/22

470422-030 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-030 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	57	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-EXT-3 TO 4-221007-P-WF **Batch#:** 298550 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 8082

Lab ID: 470422-033 **Received:** 10/07/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/10/22

DiIn Fac: 1.000 **Analyzed:** 10/11/22

470422-033 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470422-033 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	56	50-150

Type: BLANK **Batch#:** 298550 **Analysis:** EPA 8082

Lab ID: QC1017760 **Prepared:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/11/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1017760 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.25	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.25	ug/100 cm2
Aroclor-1248	ND	0.25	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.25	ug/100 cm2

QC1017760 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	95	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298550 **Analysis:** EPA 8082

Lab ID: QC1017761 **Prepared:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/11/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1017761 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.464	89	60-140	ug/100 cm2
Aroclor-1260	5.000	4.489	90	60-140	ug/100 cm2

QC1017761 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	88	60-140

Type: BSD **Batch#:** 298550 **Analysis:** EPA 8082

Lab ID: QC1017762 **Prepared:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/11/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1017762 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.767	95	60-140	ug/100 cm2	7	20
Aroclor-1260	5.000	4.763	95	60-140	ug/100 cm2	6	20

QC1017762 Surrogate	%REC	Limits
TCMX (PCB)	93	52-186
Decachlorobiphenyl (PCB)	95	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID:	ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-L-LA	**Batch#:**	298645	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	10/07/22	**Analysis:**	EPA 6010B
Lab ID:	470422-003	**Received:**	10/07/22	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	10/11/22		
Diln Fac:	1.000	**Analyzed:**	10/11/22		

470422-003 Analyte	Result	RL	Units
Lead	**160**	0.50	ug/ft2

Field ID:	ARCH-C1E-DG-2.5 TO 3-DN-C1.5-VS-221007-L-LA	**Batch#:**	298645	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	10/07/22	**Analysis:**	EPA 6010B
Lab ID:	470422-005	**Received:**	10/07/22	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	10/11/22		
Diln Fac:	1.000	**Analyzed:**	10/11/22		

470422-005 Analyte	Result	RL	Units
Lead	**180**	0.50	ug/ft2

Field ID:	ARCH-C1E-DG-3 TO 3.5-UP-C1.6-HS-221007-L-LA	**Batch#:**	298645	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	10/07/22	**Analysis:**	EPA 6010B
Lab ID:	470422-007	**Received:**	10/07/22	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	10/11/22		
Diln Fac:	1.000	**Analyzed:**	10/11/22		

470422-007 Analyte	Result	RL	Units
Lead	**240**	0.49	ug/ft2

Field ID:	ARCH-C1E-DG-3 TO 3.5-DN-C1.6-DG-221007-L-LA	**Batch#:**	298645	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	10/07/22	**Analysis:**	EPA 6010B
Lab ID:	470422-009	**Received:**	10/07/22	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	10/11/22		
Diln Fac:	1.000	**Analyzed:**	10/11/22		

470422-009 Analyte	Result	RL	Units
Lead	**110**	0.50	ug/ft2

Field ID:	ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221007-L-LA	**Batch#:**	298645	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	10/07/22	**Analysis:**	EPA 6010B
Lab ID:	470422-011	**Received:**	10/07/22	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	10/11/22		
Diln Fac:	1.000	**Analyzed:**	10/11/22		

470422-011 Analyte	Result	RL	Units
Lead	**400**	0.49	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-DG-2 TO 2.5-221007-L-FB **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470422-013 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Diln Fac: 1.000 **Analyzed:** 10/11/22

470422-013 Analyte	Result	RL	Units
Lead	**150**	0.50	ug/ft2

Field ID: ARCH-C2E-PS-2.5-221007-L-G **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470422-015 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Diln Fac: 1.000 **Analyzed:** 10/11/22

470422-015 Analyte	Result	RL	Units
Lead	**230**	0.46	ug/ft2

Field ID: ARCH-C2E-DG-3 TO 3.5-221007-L-FB **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470422-018 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Diln Fac: 1.000 **Analyzed:** 10/11/22

470422-018 Analyte	Result	RL	Units
Lead	**360**	0.50	ug/ft2

Field ID: ARCH-C2E-DG-2 TO 2.5-UP-C2.4-HS-221007-L-LA **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470422-020 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Diln Fac: 1.000 **Analyzed:** 10/11/22

470422-020 Analyte	Result	RL	Units
Lead	**120**	0.49	ug/ft2

Field ID: ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221007-L-LA **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470422-022 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Diln Fac: 1.000 **Analyzed:** 10/11/22

470422-022 Analyte	Result	RL	Units
Lead	**240**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-DG-2.5 TO 3-DN-C2.3-VS-221007-L-LA **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470422-024 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Dln Fac: 1.000 **Analyzed:** 10/11/22

470422-024 Analyte	Result	RL	Units
Lead	**230**	0.49	ug/ft2

Field ID: ARCH-C2E-DG-3 TO 3.5-UP-C2.1-HS-221007-L-LA **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470422-026 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Dln Fac: 1.000 **Analyzed:** 10/11/22

470422-026 Analyte	Result	RL	Units
Lead	**260**	0.50	ug/ft2

Field ID: ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-L-LA **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470422-028 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Dln Fac: 1.000 **Analyzed:** 10/11/22

470422-028 Analyte	Result	RL	Units
Lead	**420**	0.49	ug/ft2

Field ID: ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-L-DUP-LA **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470422-029 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Dln Fac: 1.000 **Analyzed:** 10/11/22

470422-029 Analyte	Result	RL	Units
Lead	**280**	0.49	ug/ft2

Field ID: 221007-L-MEDBLANK1 **Batch#:** 298645 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/07/22 **Analysis:** EPA 6010B
Lab ID: 470422-031 **Received:** 10/07/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/11/22
Dln Fac: 1.000 **Analyzed:** 10/11/22

470422-031 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID:	ARCH-C2E-EXT-3 TO 4-221007-L-WF	**Batch#:**	298646	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	10/07/22	**Analysis:**	EPA 6010B
Lab ID:	470422-032	**Received:**	10/07/22	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	10/11/22		
DiIn Fac:	1.000	**Analyzed:**	10/11/22		

470422-032 Analyte	Result	RL	Units
Lead	**340**	0.50	ug/ft2

Type:	BLANK	**Batch#:**	298645	**Analysis:**	EPA 6010B
Lab ID:	QC1018084	**Prepared:**	10/11/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	10/11/22		
DiIn Fac:	1.000	**Prep:**	EPA 3050B		

QC1018084 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type:	BLANK	**Batch#:**	298646	**Analysis:**	EPA 6010B
Lab ID:	QC1018087	**Prepared:**	10/11/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	10/11/22		
DiIn Fac:	1.000	**Prep:**	EPA 3050B		

QC1018087 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 470422 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298645 **Analysis:** EPA 6010B
Lab ID: QC1018085 **Prepared:** 10/11/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/11/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1018085 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	108.5	109	80-120	ug/ft2

Type: BS **Batch#:** 298646 **Analysis:** EPA 6010B
Lab ID: QC1018088 **Prepared:** 10/11/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/11/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1018088 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	106.3	106	80-120	ug/ft2

Type: BSD **Batch#:** 298645 **Analysis:** EPA 6010B
Lab ID: QC1018086 **Prepared:** 10/11/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/11/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1018086 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	108.0	108	80-120	ug/ft2	0	20

Type: BSD **Batch#:** 298646 **Analysis:** EPA 6010B
Lab ID: QC1018089 **Prepared:** 10/11/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/11/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1018089 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	105.7	106	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 470460
Report Level: IV
Report Date: 01/24/2023

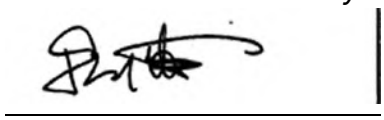
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
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This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	470460
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/10/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-P-LA	470460-001	10/08/22 08:15	Wipe
ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-P-DUP-LA	470460-002	10/08/22 08:15	Wipe
ARCH-C2W-EXT-1 TO 2-221008-P-WF	470460-004	10/08/22 07:40	Wipe
ARCH-C2W-DG-1.5 TO 2-221008-P-FB	470460-006	10/08/22 07:55	Wipe
ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-P-LA	470460-008	10/08/22 08:06	Wipe
ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008-P-LA	470460-010	10/08/22 09:00	Wipe
ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-P-LA	470460-012	10/08/22 08:48	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 470460 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/10/22

This data package contains sample and QC results for seven wipe samples, requested for the above referenced project on 10/11/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/24/23 to revise the preparation method reference.

PCBs (EPA 8082):

- Low surrogate recovery was observed for TCMX (PCB) in the method blank for batch 298736.
- Low surrogate recoveries were observed for decachlorobiphenyl (PCB) in ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-P-LA (lab # 470460-012) and the method blank for batch 298736.
- No other analytical problems were encountered.

Chain of Custody

470460

JG

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	T. Sinnott + D. Welsh

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-P- LA	10/8/2022	0815	WP	1		X			Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 2 Enclosure B/C
2	ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008 -P-DUP- LA	10/8/2022	0815	WP	1		X			
3	ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-L- LA	10/8/2022	0815	WP	1			X		
4	ARCH-C2W-EXT-1 TO 2-221008-P- WF	10/8/2022	0740	WP	1		X			
5	ARCH-C2W-EXT-1 TO 2-221008-L- WF	10/8/2022	0740	WP	1			X		
6	ARCH-C2W-DG-1.5 TO 2-221008-P- FB	10/8/2022	0755	WP	1		X			
7	ARCH-C2W-DG-1.5 TO 2-221008-L- FB	10/8/2022	0755	WP	1			X		
8	ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-P- LA	10/8/2022	0806	WP	1		X			
9	ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-L- LA	10/8/2022	0806	WP	1			X		
10	ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008 -P- LA	10/8/2022	0900	WP	1		X			
11	ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008-L- LA	10/8/2022	0900	WP	1			X		2x Rivet Type 2 = 0.0200 ft²
12	ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008 -P- LA	10/8/2022	0848	WP	1		X			
13	ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-L- LA	10/8/2022	0848	WP	1			X		2x Rivet Type 2 = 0.0200 ft²
14										
15										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TSinnott	Tyler Sinnott	Rincon / Envi. Scientist	10/10/22 / 1210
1 Received By:	Audrey Hudson	Audrey Hudson	Enthalpy	10/10/22 1210
2 Relinquished By:	Audrey Hudson	" "	" "	10/10/22 1348
2 Received By:		Marcus Millan	BA	10/10/22 1348
3 Relinquished By:		Marcus Millan	BA	10/10/22 1533
3 Received By:		Elizabeth Hamm	EA	10/11/22 1300

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 470460 Client: Ron con

Date Received: 10/10/22 Project: _____

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 10/10/22 By (print) MM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 7.5, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 10/10/22 **By (print)** MM (sign) _____

Date Labeled 10/10/22 **By (print)** MM (sign) _____

470460

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Ricon Berkeley

Project: Hangar 1 NTCRA

Date Received: 10/11/22

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.7 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?	✔		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: OCT 11 2022

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 557946887 **PDS**

ORANGE

S10003H

73162559

ORC CA927-EH0

Print Date: 10/10/2022 10:29 AM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

13:28 4.2/1.2
#2

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470460 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-P-LA **Batch#:** 298736 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470460-001 **Received:** 10/10/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/12/22

Diln Fac: 1.000 **Analyzed:** 10/12/22

470460-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470460-001 Surrogate	%REC	Limits
TCMX (PCB)	75	52-186
Decachlorobiphenyl (PCB)	72	50-150

Field ID: ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-P-DUP-LA **Batch#:** 298736 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470460-002 **Received:** 10/10/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/12/22

Diln Fac: 1.000 **Analyzed:** 10/12/22

470460-002 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470460-002 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	65	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470460 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-EXT-1 TO 2-221008-P-WF **Batch#:** 298736 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470460-004 **Received:** 10/10/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/12/22

DiIn Fac: 1.000 **Analyzed:** 10/12/22

470460-004 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470460-004 Surrogate	%REC	Limits
TCMX (PCB)	73	52-186
Decachlorobiphenyl (PCB)	68	50-150

Field ID: ARCH-C2W-DG-1.5 TO 2-221008-P-FB **Batch#:** 298736 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470460-006 **Received:** 10/10/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/12/22

DiIn Fac: 1.000 **Analyzed:** 10/12/22

470460-006 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470460-006 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	63	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470460 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-P-LA **Batch#:** 298736 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470460-008 **Received:** 10/10/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/12/22

Dln Fac: 1.000 **Analyzed:** 10/12/22

470460-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470460-008 Surrogate	%REC	Limits
TCMX (PCB)	75	52-186
Decachlorobiphenyl (PCB)	56	50-150

Field ID: ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008-P-LA **Batch#:** 298736 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470460-010 **Received:** 10/10/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/12/22

Dln Fac: 1.000 **Analyzed:** 10/12/22

470460-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470460-010 Surrogate	%REC	Limits
TCMX (PCB)	66	52-186
Decachlorobiphenyl (PCB)	51	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470460 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-P-LA **Batch#:** 298736 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470460-012 **Received:** 10/10/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/12/22

Dil Fac: 1.000 **Analyzed:** 10/12/22

470460-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470460-012 Surrogate	%REC	Limits
TCMX (PCB)	59	52-186
Decachlorobiphenyl (PCB)	44 *	50-150

Type: BLANK **Batch#:** 298736 **Analysis:** EPA 8082

Lab ID: QC1018344 **Prepared:** 10/12/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/12/22

Dil Fac: 1.000 **Prep:** EPA 3572M

QC1018344 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1018344 Surrogate	%REC	Limits
TCMX (PCB)	47 *	52-186
Decachlorobiphenyl (PCB)	48 *	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 470460 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298736 **Analysis:** EPA 8082

Lab ID: QC1018345 **Prepared:** 10/12/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/12/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1018345 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.466	89	60-140	ug/100 cm2
Aroclor-1260	5.000	4.085	82	60-140	ug/100 cm2

QC1018345 Surrogate	%REC	Limits
TCMX (PCB)	87	52-186
Decachlorobiphenyl (PCB)	66	60-140

Type: BSD **Batch#:** 298736 **Analysis:** EPA 8082

Lab ID: QC1018346 **Prepared:** 10/12/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/12/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1018346 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.658	93	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.644	93	60-140	ug/100 cm2	13	20

QC1018346 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	77	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 470460 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_091322017	452369928017		14-SEP-2022 00:39	S17263
L2	gc06_091322018	452369928018		14-SEP-2022 00:57	S17264
L3	gc06_091322019	452369928019		14-SEP-2022 01:14	S17265
L4	gc06_091322020	452369928020		14-SEP-2022 01:31	S17266
L5	gc06_091322021	452369928021		14-SEP-2022 01:49	S17267
L6	gc06_091322022	452369928022		14-SEP-2022 02:06	S17268
L7	gc06_091322023	452369928023		14-SEP-2022 02:23	S17269
L8	gc06_091322024	452369928024		14-SEP-2022 02:41	S17270
L9	gc06_091322025	452369928025		14-SEP-2022 02:58	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		51.0038		0.0196	13	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.8618		0.0419	15	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.2424		0.0494	12	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.8937		0.0372	13	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		33.6290		0.0297	13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.9968		0.0588	15	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.7720		0.0928	17	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		10.2883		0.0972	13	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		18.2372		0.0548	12	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		14.7296		0.0679	11	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.74549		1.3414	13	9	.99	20	
TCMX (PCB)	A	AVRG		1.04969		0.9527	7	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.7399		0.0201	15	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		23.8488		0.0419	14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.3303		0.0546	12	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		27.7423		0.0360	10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		32.8575		0.0304	10	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		14.4336		0.0693	13	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		12.8571		0.0778	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		9.99455		0.1001	11	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		15.1012		0.0662	11	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		10.1225		0.0988	12	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.75376		1.3267	15	9	.99	20	
TCMX (PCB)	B	AVRG		1.02137		0.9791	5	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 470460 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0248	0.0210	0.0210	0.0192	0.0198	0.0184	0.0182	0.0174	0.0165
Aroclor-1016 Peak # 2	A	0.0547	0.0466	0.0451	0.0412	0.0423	0.0388	0.0378	0.0365	0.0344
Aroclor-1016 Peak # 3	A	0.0628	0.0532	0.0516	0.0474	0.0495	0.0450	0.0453	0.0453	0.0445
Aroclor-1016 Peak # 4	A	0.0479	0.0404	0.0394	0.0359	0.0376	0.0343	0.0342	0.0334	0.0315
Aroclor-1016 Peak # 5	A	0.0379	0.0318	0.0317	0.0284	0.0304	0.0276	0.0277	0.0268	0.0253
Aroclor-1260 Peak # 1	A	0.0776	0.0627	0.0640	0.0568	0.0620	0.0533	0.0535	0.0515	0.0481
Aroclor-1260 Peak # 2	A	0.1164	0.1187	0.0974	0.0873	0.0961	0.0827	0.0820	0.0807	0.0743
Aroclor-1260 Peak # 3	A	0.1261	0.1013	0.1012	0.0927	0.1016	0.0898	0.0897	0.0892	0.0830
Aroclor-1260 Peak # 4	A	0.0677	0.0578	0.0593	0.0523	0.0597	0.0504	0.0501	0.0501	0.0460
Aroclor-1260 Peak # 5	A	0.0821	0.0693	0.0718	0.0650	0.0743	0.0629	0.0625	0.0639	0.0592
Decachlorobiphenyl (PCB)	A	1.6738	1.4539	1.4576	1.2778	1.4297	1.2363	1.1981	1.2116	1.1338
TCMX (PCB)	A	1.1108	0.9412	0.9502	0.8996	0.9519	0.9126	0.9227	0.9512	0.9339
Aroclor-1016 Peak # 1	B	0.0267	0.0218	0.0210	0.0196	0.0204	0.0189	0.0185	0.0175	0.0166
Aroclor-1016 Peak # 2	B	0.0538	0.0454	0.0456	0.0417	0.0419	0.0391	0.0383	0.0369	0.0348
Aroclor-1016 Peak # 3	B	0.0684	0.0563	0.0607	0.0520	0.0536	0.0512	0.0498	0.0520	0.0469
Aroclor-1016 Peak # 4	B	0.0439	0.0364	0.0385	0.0358	0.0367	0.0343	0.0338	0.0334	0.0316
Aroclor-1016 Peak # 5	B	0.0369	0.0320	0.0323	0.0302	0.0313	0.0288	0.0284	0.0279	0.0263
Aroclor-1260 Peak # 1	B	0.0893	0.0737	0.0720	0.0677	0.0726	0.0647	0.0633	0.0624	0.0579
Aroclor-1260 Peak # 2	B	0.1010	0.0852	0.0852	0.0746	0.0800	0.0719	0.0699	0.0682	0.0642
Aroclor-1260 Peak # 3	B	0.1221	0.1035	0.1070	0.0961	0.1064	0.0938	0.0919	0.0929	0.0868
Aroclor-1260 Peak # 4	B	0.0800	0.0692	0.0700	0.0623	0.0721	0.0627	0.0613	0.0615	0.0569
Aroclor-1260 Peak # 5	B	0.1205	0.1060	0.1058	0.0940	0.1065	0.0916	0.0894	0.0909	0.0844
Decachlorobiphenyl (PCB)	B	1.7059	1.4991	1.4323	1.2655	1.3995	1.2350	1.1599	1.1578	1.0852
TCMX (PCB)	B	1.1034	0.9559	0.9540	0.9180	0.9904	0.9622	0.9739	0.9921	0.9618

ENTHALPY INITIAL CALIBRATION FOR 470460 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**27**	50.000	7	100.00	7	250.00	-2	500.00	1	749.91	-6	1000.0	-7	1500.0	-11
Aroclor-1016 Peak # 2	A	20.000	**30**	50.000	11	100.00	8	250.00	-2	500.00	1	749.91	-7	1000.0	-10	1500.0	-13
Aroclor-1016 Peak # 3	A	20.000	**27**	50.000	8	100.00	4	250.00	-4	500.00	0	749.91	-9	1000.0	-8	1500.0	-8
Aroclor-1016 Peak # 4	A	20.000	**29**	50.000	9	100.00	6	250.00	-4	500.00	1	749.91	-8	1000.0	-8	1500.0	-10
Aroclor-1016 Peak # 5	A	20.000	**28**	50.000	7	100.00	6	250.00	-5	500.00	2	749.91	-7	1000.0	-7	1500.0	-10
Aroclor-1260 Peak # 1	A	20.000	**32**	50.000	7	100.00	9	250.00	-3	500.00	5	749.91	-9	1000.0	-9	1500.0	-13
Aroclor-1260 Peak # 2	A	20.000	**25**	50.000	**28**	100.00	5	250.00	-6	500.00	3	749.91	-11	1000.0	-12	1500.0	-13
Aroclor-1260 Peak # 3	A	20.000	**30**	50.000	4	100.00	4	250.00	-5	500.00	5	749.91	-8	1000.0	-8	1500.0	-8
Aroclor-1260 Peak # 4	A	20.000	**23**	50.000	5	100.00	8	250.00	-5	500.00	9	749.91	-8	1000.0	-9	1500.0	-9
Aroclor-1260 Peak # 5	A	20.000	**21**	50.000	2	100.00	6	250.00	-4	500.00	9	749.91	-7	1000.0	-8	1500.0	-6
Decachlorobiphenyl (PCB)	A	1.6000	**25**	4.0000	8	8.0000	9	20.000	-5	40.000	7	59.993	-8	80.000	-11	120.00	-10
TCMX (PCB)	A	1.6000	17	4.0000	-1	8.0000	0	20.000	-6	40.000	0	59.993	-4	80.000	-3	120.00	0
Aroclor-1016 Peak # 1	B	20.000	**33**	50.000	8	100.00	4	250.00	-2	500.00	1	749.91	-6	1000.0	-8	1500.0	-13
Aroclor-1016 Peak # 2	B	20.000	**28**	50.000	8	100.00	9	250.00	0	500.00	0	749.91	-7	1000.0	-9	1500.0	-12
Aroclor-1016 Peak # 3	B	20.000	**25**	50.000	3	100.00	11	250.00	-5	500.00	-2	749.91	-6	1000.0	-9	1500.0	-5
Aroclor-1016 Peak # 4	B	20.000	**22**	50.000	1	100.00	7	250.00	-1	500.00	2	749.91	-5	1000.0	-6	1500.0	-7
Aroclor-1016 Peak # 5	B	20.000	**21**	50.000	5	100.00	6	250.00	-1	500.00	3	749.91	-5	1000.0	-7	1500.0	-8
Aroclor-1260 Peak # 1	B	20.000	**29**	50.000	6	100.00	4	250.00	-2	500.00	5	749.91	-7	1000.0	-9	1500.0	-10
Aroclor-1260 Peak # 2	B	20.000	**30**	50.000	10	100.00	10	250.00	-4	500.00	3	749.91	-8	1000.0	-10	1500.0	-12
Aroclor-1260 Peak # 3	B	20.000	**22**	50.000	3	100.00	7	250.00	-4	500.00	6	749.91	-6	1000.0	-8	1500.0	-7
Aroclor-1260 Peak # 4	B	20.000	**21**	50.000	5	100.00	6	250.00	-6	500.00	9	749.91	-5	1000.0	-7	1500.0	-7
Aroclor-1260 Peak # 5	B	20.000	**22**	50.000	7	100.00	7	250.00	-5	500.00	8	749.91	-7	1000.0	-10	1500.0	-8
Decachlorobiphenyl (PCB)	B	1.6000	**29**	4.0000	13	8.0000	8	20.000	-5	40.000	5	59.993	-7	80.000	-13	120.00	-13
TCMX (PCB)	B	1.6000	13	4.0000	-2	8.0000	-3	20.000	-6	40.000	1	59.993	-2	80.000	-1	120.00	1

ENTHALPY INITIAL CALIBRATION FOR 470460 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-16
Aroclor-1016 Peak # 2	A	2000.0	-18
Aroclor-1016 Peak # 3	A	2000.0	-10
Aroclor-1016 Peak # 4	A	2000.0	-15
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-20
Aroclor-1260 Peak # 3	A	2000.0	-15
Aroclor-1260 Peak # 4	A	2000.0	-16
Aroclor-1260 Peak # 5	A	2000.0	-13
Decachlorobiphenyl (PCB)	A	160.00	-15
TCMX (PCB)	A	160.00	-2
Aroclor-1016 Peak # 1	B	2000.0	-17
Aroclor-1016 Peak # 2	B	2000.0	-17
Aroclor-1016 Peak # 3	B	2000.0	-14
Aroclor-1016 Peak # 4	B	2000.0	-12
Aroclor-1016 Peak # 5	B	2000.0	-14
Aroclor-1260 Peak # 1	B	2000.0	-16
Aroclor-1260 Peak # 2	B	2000.0	-18
Aroclor-1260 Peak # 3	B	2000.0	-13
Aroclor-1260 Peak # 4	B	2000.0	-14
Aroclor-1260 Peak # 5	B	2000.0	-15
Decachlorobiphenyl (PCB)	B	160.00	-18
TCMX (PCB)	B	160.00	-2

TJW 09/14/22 : Manually integrated due to baseline corrections for all channels in multiple levels

Analyst: TJW 09/14/22

Reviewer: SLL 09/14/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 470460 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_091322_1
Calnum:	452369928002	Cal Date:	14-SEP-2022

- ICV 452369928027 (gc06_091322027 14-SEP-2022) stds: S17274

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.2	ug/L	-3	15	
Aroclor-1260	A	500.0	511.2	ug/L	2	15	
Aroclor-1016	B	500.0	473.6	ug/L	-5	15	
Aroclor-1260	B	500.0	479.5	ug/L	-4	15	

-

Analyst: TJW 09/14/22 **Reviewer:** SLL 09/14/22

ENTHALPY INITIAL CALIBRATION FOR 470460 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101222_1
Calibration #:	452410975002	Date:	12-OCT-2022 11:02
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_101222007	452410975007		12-OCT-2022 11:02	S17360

Analyte	Ch	L1 RF	Type	a0	a1	a2	Avg RF	%RSD	Min r^2	Max %RSD	Flags
Aroclor-1268 Peak # 1	A	0.0305	AVRG		32.7464		0.0305	0	.99	20	
Aroclor-1268 Peak # 2	A	0.0411	AVRG		24.3183		0.0411	0	.99	20	
Aroclor-1268 Peak # 3	A	0.1808	AVRG		5.53061		0.1808	0	.99	20	
Aroclor-1268 Peak # 4	A	0.1430	AVRG		6.99234		0.1430	0	.99	20	
Aroclor-1268 Peak # 5	A	0.5139	AVRG		1.94590		0.5139	0	.99	20	
Aroclor-1268 Peak # 1	B	0.0311	AVRG		32.1508		0.0311	0	.99	20	
Aroclor-1268 Peak # 2	B	0.0411	AVRG		24.3092		0.0411	0	.99	20	
Aroclor-1268 Peak # 3	B	0.1750	AVRG		5.71356		0.1750	0	.99	20	
Aroclor-1268 Peak # 4	B	0.1355	AVRG		7.38035		0.1355	0	.99	20	
Aroclor-1268 Peak # 5	B	0.4619	AVRG		2.16505		0.4619	0	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

Spiked Amounts / Drifts	Ch	L1	%D
Aroclor-1268 Peak # 1	A	2000.0	0
Aroclor-1268 Peak # 2	A	2000.0	0
Aroclor-1268 Peak # 3	A	2000.0	0
Aroclor-1268 Peak # 4	A	2000.0	0
Aroclor-1268 Peak # 5	A	2000.0	0
Aroclor-1268 Peak # 1	B	2000.0	0
Aroclor-1268 Peak # 2	B	2000.0	0
Aroclor-1268 Peak # 3	B	2000.0	0
Aroclor-1268 Peak # 4	B	2000.0	0
Aroclor-1268 Peak # 5	B	2000.0	0

Analyst: TRN 10/14/22

Reviewer: LW 10/14/22

ENTHALPY CONTINUING CALIBRATION FOR 470460 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452410975003	File:	gc06_101222003	Time:	12-OCT-2022 09:53
Cal:	452369928002	Caldate:	14-SEP-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	496.2	ug/L	-1	15	0.0000	
Aroclor-1260	A			500.0	500.1	ug/L	0	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3414	1.2716	40.00	37.92	ug/L	-5	15	0.0000	
TCMX (PCB)	A	0.9527	0.8976	40.00	37.69	ug/L	-6	15	0.0000	
Aroclor-1016	B			500.0	485.9	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	469.3	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.3267	1.1889	40.00	35.85	ug/L	-10	15	0.0000	
TCMX (PCB)	B	0.9791	0.9056	40.00	37.00	ug/L	-8	15	0.0000	

ISTD (ICAL gc06_091322018)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7396287	9052455	22.39
1-bromo-2-nitrobenzene (PCB)	A	1574602	1846693	17.28

TRN 10/14/22 [Aroclor-1016 B]: Separated from coeluting peak for Ch. B.

Analyst: TRN 10/14/22 **Reviewer:** LW 10/14/22

Enthalpy Internal Standard Summary for Sequence 452410975

Date:	10/12/22	Reference:	gc06_091322018
Sequence:	SVOA-GC06 gc06_101222	Analyzed:	09/14/22 00:57

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	7396287	1574602
		LOWER LIMIT	3698144	787301
		UPPER LIMIT	14792575	3149205
003	CCV		9052455	1846693

Enthalpy Internal Standard Summary for Sequence 452410975

Date:	10/12/22	Reference:	gc06_101222003
Sequence:	SVOA-GC06 gc06_101222	Analyzed:	10/12/22 09:53

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	9052455	1846693
		LOWER LIMIT	4526227	923347
		UPPER LIMIT	18104910	3693386
012	BLANK	QC1017973	7693413	1525354
013	LCS	QC1017974	7279405	1440357
014	MS	QC1017975	7174764	1388551
015	MSD	QC1017976	6922482	1322510
016	SAMPLE	470372-001	7684283	1491270
017	SAMPLE	470372-002	8054765	1680959
018	SAMPLE	470372-003	8311244	1727029
019	SAMPLE	470372-004	8009039	1679749
020	MSS	470372-005	8108524	1720028
021	SAMPLE	470372-006	5993866	1326903
022	SAMPLE	470372-009	8107979	1877744
023	SAMPLE	470372-010	6503741	1566977
024	SAMPLE	470372-011	6342517	1435071
025	SAMPLE	470372-014	6326759	1423684
026	SAMPLE	470372-015	5989682	1362845
027	SAMPLE	470372-016	5721421	1238641
028	SAMPLE	470372-019	5345726	1200680
029	SAMPLE	470372-020	4870055	1018881
030	SAMPLE	470372-021	5695912	1142685
031	SAMPLE	470372-022	5941153	1210939
032	SAMPLE	470372-025	7638728	1506264
033	SAMPLE	470372-026	9546324	1886042
034	SAMPLE	470372-027	7779014	1625902
035	SAMPLE	470372-030	7671944	1731100
036	BLANK	QC1018344	9495582	2010776
037	BS	QC1018345	10303701	2197182
038	BSD	QC1018346	9573383	2065361
039	SAMPLE	470460-001	8225657	1865882
040	SAMPLE	470460-002	8351302	1739787
041	SAMPLE	470460-004	7615403	1514931
042	SAMPLE	470460-006	8285474	1625612
043	SAMPLE	470460-008	7382405	1403248
044	SAMPLE	470460-010	9787050	1867305
045	SAMPLE	470460-012	10228883	2115978

Enthalpy Internal Standard Summary for Sequence 452410975

Date: 10/12/22 Reference: gc06_101222003
Sequence: SVOA-GC06 gc06_101222 Analyzed: 10/12/22 09:53

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	3.92	4.11
		LOWER LIMIT	3.72	3.91
		UPPER LIMIT	4.12	4.31
012	BLANK	QC1017973	3.92	4.11
013	LCS	QC1017974	3.92	4.11
014	MS	QC1017975	3.92	4.11
015	MSD	QC1017976	3.92	4.11
016	SAMPLE	470372-001	3.92	4.11
017	SAMPLE	470372-002	3.92	4.11
018	SAMPLE	470372-003	3.92	4.11
019	SAMPLE	470372-004	3.93	4.11
020	MSS	470372-005	3.93	4.11
021	SAMPLE	470372-006	3.92	4.11
022	SAMPLE	470372-009	3.93	4.11
023	SAMPLE	470372-010	3.92	4.11
024	SAMPLE	470372-011	3.92	4.11
025	SAMPLE	470372-014	3.92	4.11
026	SAMPLE	470372-015	3.92	4.11
027	SAMPLE	470372-016	3.92	4.11
028	SAMPLE	470372-019	3.92	4.11
029	SAMPLE	470372-020	3.92	4.11
030	SAMPLE	470372-021	3.92	4.11
031	SAMPLE	470372-022	3.92	4.11
032	SAMPLE	470372-025	3.92	4.11
033	SAMPLE	470372-026	3.93	4.11
034	SAMPLE	470372-027	3.92	4.11
035	SAMPLE	470372-030	3.92	4.11
036	BLANK	QC1018344	3.92	4.11
037	BS	QC1018345	3.93	4.11
038	BSD	QC1018346	3.92	4.11
039	SAMPLE	470460-001	3.92	4.11
040	SAMPLE	470460-002	3.92	4.11
041	SAMPLE	470460-004	3.92	4.11
042	SAMPLE	470460-006	3.92	4.11
043	SAMPLE	470460-008	3.92	4.11
044	SAMPLE	470460-010	3.92	4.11
045	SAMPLE	470460-012	3.92	4.11

Enthalpy Internal Standard Summary for Sequence 452410975

Date: 10/12/22 Reference: gc06_101222005
Sequence: SVOA-GC06 gc06_101222 Analyzed: 10/12/22 10:27

#	Type	Sample ID	1BR2NITROBZ1254 B	1BR2NITROBZ1254 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	11871428	2416508
		LOWER LIMIT	5935714	1208254
		UPPER LIMIT	23742856	4833016
012	BLANK	QC1017973		
016	SAMPLE	470372-001		
017	SAMPLE	470372-002		
018	SAMPLE	470372-003		
019	SAMPLE	470372-004		
020	MSS	470372-005		
021	SAMPLE	470372-006		
022	SAMPLE	470372-009	8068848	1868773
023	SAMPLE	470372-010		
024	SAMPLE	470372-011		
025	SAMPLE	470372-014		
026	SAMPLE	470372-015		
027	SAMPLE	470372-016		
028	SAMPLE	470372-019		
029	SAMPLE	470372-020		
030	SAMPLE	470372-021		
031	SAMPLE	470372-022		
032	SAMPLE	470372-025		
033	SAMPLE	470372-026		
034	SAMPLE	470372-027		
035	SAMPLE	470372-030		
036	BLANK	QC1018344		
039	SAMPLE	470460-001		
040	SAMPLE	470460-002		
041	SAMPLE	470460-004		
042	SAMPLE	470460-006		
043	SAMPLE	470460-008		
044	SAMPLE	470460-010		
045	SAMPLE	470460-012		

Enthalpy Internal Standard Summary for Sequence 452410975

Date:	10/12/22	Reference:	gc06_101222005
Sequence:	SVOA-GC06 gc06_101222	Analyzed:	10/12/22 10:27

#	Type	Sample ID	1BR2NITROBZ1254 B RT	1BR2NITROBZ1254 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	3.92	4.11
		LOWER LIMIT	3.72	3.91
		UPPER LIMIT	4.12	4.31
012	BLANK	QC1017973		
016	SAMPLE	470372-001		
017	SAMPLE	470372-002		
018	SAMPLE	470372-003		
019	SAMPLE	470372-004		
020	MSS	470372-005		
021	SAMPLE	470372-006		
022	SAMPLE	470372-009	3.93	4.11
023	SAMPLE	470372-010		
024	SAMPLE	470372-011		
025	SAMPLE	470372-014		
026	SAMPLE	470372-015		
027	SAMPLE	470372-016		
028	SAMPLE	470372-019		
029	SAMPLE	470372-020		
030	SAMPLE	470372-021		
031	SAMPLE	470372-022		
032	SAMPLE	470372-025		
033	SAMPLE	470372-026		
034	SAMPLE	470372-027		
035	SAMPLE	470372-030		
036	BLANK	QC1018344		
039	SAMPLE	470460-001		
040	SAMPLE	470460-002		
041	SAMPLE	470460-004		
042	SAMPLE	470460-006		
043	SAMPLE	470460-008		
044	SAMPLE	470460-010		
045	SAMPLE	470460-012		

Enthalpy Internal Standard Summary for Sequence 452410975

Date: 10/12/22 Reference: gc06_101222007
Sequence: SVOA-GC06 gc06_101222 Analyzed: 10/12/22 11:02

#	Type	Sample ID	1BR2NITROBZ1268 B	1BR2NITROBZ1268 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	7925274	1655647
		LOWER LIMIT	3962637	827824
		UPPER LIMIT	15850548	3311294
012	BLANK	QC1017973		
016	SAMPLE	470372-001		
017	SAMPLE	470372-002	8055945	1679529
018	SAMPLE	470372-003		
019	SAMPLE	470372-004		
020	MSS	470372-005		
021	SAMPLE	470372-006		
022	SAMPLE	470372-009		
023	SAMPLE	470372-010	6503030	1566977
024	SAMPLE	470372-011		
025	SAMPLE	470372-014		
026	SAMPLE	470372-015		
027	SAMPLE	470372-016		
028	SAMPLE	470372-019		
029	SAMPLE	470372-020		
030	SAMPLE	470372-021		
031	SAMPLE	470372-022		
032	SAMPLE	470372-025		
033	SAMPLE	470372-026		
034	SAMPLE	470372-027		
035	SAMPLE	470372-030		
036	BLANK	QC1018344		
039	SAMPLE	470460-001		
040	SAMPLE	470460-002		
041	SAMPLE	470460-004	7603720	1513720
042	SAMPLE	470460-006	8270761	1622683
043	SAMPLE	470460-008		
044	SAMPLE	470460-010	9779472	1854531
045	SAMPLE	470460-012	10210694	2110007

Enthalpy Internal Standard Summary for Sequence 452410975

Date:	10/12/22	Reference:	gc06_101222007
Sequence:	SVOA-GC06 gc06_101222	Analyzed:	10/12/22 11:02

#	Type	Sample ID	1BR2NITROBZ1268 B RT	1BR2NITROBZ1268 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	3.92	4.11
		LOWER LIMIT	3.72	3.91
		UPPER LIMIT	4.12	4.31
012	BLANK	QC1017973		
016	SAMPLE	470372-001		
017	SAMPLE	470372-002	3.92	4.11
018	SAMPLE	470372-003		
019	SAMPLE	470372-004		
020	MSS	470372-005		
021	SAMPLE	470372-006		
022	SAMPLE	470372-009		
023	SAMPLE	470372-010	3.92	4.11
024	SAMPLE	470372-011		
025	SAMPLE	470372-014		
026	SAMPLE	470372-015		
027	SAMPLE	470372-016		
028	SAMPLE	470372-019		
029	SAMPLE	470372-020		
030	SAMPLE	470372-021		
031	SAMPLE	470372-022		
032	SAMPLE	470372-025		
033	SAMPLE	470372-026		
034	SAMPLE	470372-027		
035	SAMPLE	470372-030		
036	BLANK	QC1018344		
039	SAMPLE	470460-001		
040	SAMPLE	470460-002		
041	SAMPLE	470460-004	3.92	4.11
042	SAMPLE	470460-006	3.92	4.11
043	SAMPLE	470460-008		
044	SAMPLE	470460-010	3.92	4.11
045	SAMPLE	470460-012	3.92	4.11

Enthalpy Internal Standard Summary for Sequence 462421067

Date: 10/19/22 Reference: gc07_101922005
Sequence: SVOA-GC07 gc07_101922 Analyzed: 10/19/22 10:48

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1667304	2661991
		LOWER LIMIT	833652	1330995
		UPPER LIMIT	3334608	5323982
014	MSS	470676-001	1927789	3155173
016	MSS	470767-001	1811389	3401518
017	SAMPLE	470740-005	1826506	3293229
019	SAMPLE	470803-002	2134055	3911132
020	BLANK	QC1018344	1642966	2866288
021	SAMPLE	470870-003	1599301	2172120
024	SAMPLE	470071-001	2164555	3649050
025	SAMPLE	470071-003	2382867	3874659
026	SAMPLE	470071-004	2380659	3964753
027	SAMPLE	470821-001	2166930	3484653
029	SAMPLE	470858-002	1999847	4944428
030	SAMPLE	470460-012	1715167	2898668

Enthalpy Internal Standard Summary for Sequence 462421067

Date:	10/19/22	Reference:	gc07_101922005
Sequence:	SVOA-GC07 gc07_101922	Analyzed:	10/19/22 10:48

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.28	4.03
		LOWER LIMIT	4.08	3.83
		UPPER LIMIT	4.48	4.23
014	MSS	470676-001	4.28	4.02
016	MSS	470767-001	4.28	4.02
017	SAMPLE	470740-005	4.28	4.03
019	SAMPLE	470803-002	4.28	4.02
020	BLANK	QC1018344	4.28	4.02
021	SAMPLE	470870-003	4.28	4.02
024	SAMPLE	470071-001	4.28	4.03
025	SAMPLE	470071-003	4.28	4.03
026	SAMPLE	470071-004	4.28	4.02
027	SAMPLE	470821-001	4.28	4.02
029	SAMPLE	470858-002	4.28	4.02
030	SAMPLE	470460-012	4.28	4.02

Enthalpy Internal Standard Summary for Sequence 462421067

Date:	10/19/22	Reference:	gc07_101922009
Sequence:	SVOA-GC07 gc07_101922	Analyzed:	10/19/22 11:48

#	Type	Sample ID	1BR2NITROBZ1242 A	1BR2NITROBZ1242 B
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	2837598	1779374
		LOWER LIMIT	1418799	889687
		UPPER LIMIT	5675197	3558748
014	MSS	470676-001		
016	MSS	470767-001		
017	SAMPLE	470740-005		
019	SAMPLE	470803-002	3911738	2136141
020	BLANK	QC1018344		
021	SAMPLE	470870-003		
024	SAMPLE	470071-001		
025	SAMPLE	470071-003		
026	SAMPLE	470071-004		
027	SAMPLE	470821-001		
029	SAMPLE	470858-002		
030	SAMPLE	470460-012		

Enthalpy Internal Standard Summary for Sequence 462421067

Date:	10/19/22	Reference:	gc07_101922009
Sequence:	SVOA-GC07 gc07_101922	Analyzed:	10/19/22 11:48

#	Type	Sample ID	1BR2NITROBZ1242 A RT	1BR2NITROBZ1242 B RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.02	4.28
		LOWER LIMIT	3.82	4.08
		UPPER LIMIT	4.22	4.48
014	MSS	470676-001		
016	MSS	470767-001		
017	SAMPLE	470740-005		
019	SAMPLE	470803-002	4.02	4.28
020	BLANK	QC1018344		
021	SAMPLE	470870-003		
024	SAMPLE	470071-001		
025	SAMPLE	470071-003		
026	SAMPLE	470071-004		
027	SAMPLE	470821-001		
029	SAMPLE	470858-002		
030	SAMPLE	470460-012		

Enthalpy Internal Standard Summary for Sequence 462421067

Date:	10/19/22	Reference:	gc07_101922010
Sequence:	SVOA-GC07 gc07_101922	Analyzed:	10/19/22 12:05

#	Type	Sample ID	1BR2NITROBZ1254 B	1BR2NITROBZ1254 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	2019153	3240291
		LOWER LIMIT	1009576	1620146
		UPPER LIMIT	4038305	6480583
014	MSS	470676-001		
016	MSS	470767-001		
017	SAMPLE	470740-005		
019	SAMPLE	470803-002		
020	BLANK	QC1018344		
021	SAMPLE	470870-003	1598572	2845680
024	SAMPLE	470071-001		
025	SAMPLE	470071-003		
026	SAMPLE	470071-004		
027	SAMPLE	470821-001		
029	SAMPLE	470858-002		
030	SAMPLE	470460-012		

Enthalpy Internal Standard Summary for Sequence 462421067

Date:	10/19/22	Reference:	gc07_101922010
Sequence:	SVOA-GC07 gc07_101922	Analyzed:	10/19/22 12:05

#	Type	Sample ID	1BR2NITROBZ1254 B RT	1BR2NITROBZ1254 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.28	4.02
		LOWER LIMIT	4.08	3.82
		UPPER LIMIT	4.48	4.22
014	MSS	470676-001		
016	MSS	470767-001		
017	SAMPLE	470740-005		
019	SAMPLE	470803-002		
020	BLANK	QC1018344		
021	SAMPLE	470870-003	4.28	4.02
024	SAMPLE	470071-001		
025	SAMPLE	470071-003		
026	SAMPLE	470071-004		
027	SAMPLE	470821-001		
029	SAMPLE	470858-002		
030	SAMPLE	470460-012		

Enthalpy Internal Standard Summary for Sequence 462421067

Date:	10/19/22	Reference:	gc07_101922012
Sequence:	SVOA-GC07 gc07_101922	Analyzed:	10/19/22 12:40

#	Type	Sample ID	1BR2NITROBZ1268 B	1BR2NITROBZ1268 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	1691835	2747576
		LOWER LIMIT	845918	1373788
		UPPER LIMIT	3383671	5495151
019	SAMPLE	470803-002		
020	BLANK	QC1018344		
024	SAMPLE	470071-001		
025	SAMPLE	470071-003		
026	SAMPLE	470071-004		
027	SAMPLE	470821-001		
029	SAMPLE	470858-002		
030	SAMPLE	470460-012	1716216	2897493

Enthalpy Internal Standard Summary for Sequence 462421067

Date:	10/19/22	Reference:	gc07_101922012
Sequence:	SVOA-GC07 gc07_101922	Analyzed:	10/19/22 12:40

#	Type	Sample ID	1BR2NITROBZ1268 B RT	1BR2NITROBZ1268 A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.28	4.02
		LOWER LIMIT	4.08	3.82
		UPPER LIMIT	4.48	4.22
019	SAMPLE	470803-002		
020	BLANK	QC1018344		
024	SAMPLE	470071-001		
025	SAMPLE	470071-003		
026	SAMPLE	470071-004		
027	SAMPLE	470821-001		
029	SAMPLE	470858-002		
030	SAMPLE	470460-012	4.28	4.02

Enthalpy Sequence Summary for Sequence 452369928

Instrument: SVOA-GC06 Begun: 09/13/22 20:36

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
003	gc06_091322003	PEM				09/13/22 20:36	1.0	1
006	gc06_091322006	ICAL				09/13/22 21:28	1.0	2
007	gc06_091322007	ICAL				09/13/22 21:46	1.0	3
008	gc06_091322008	ICAL				09/13/22 22:03	1.0	4
009	gc06_091322009	ICAL				09/13/22 22:20	1.0	5
010	gc06_091322010	ICAL				09/13/22 22:38	1.0	6
011	gc06_091322011	ICAL				09/13/22 22:55	1.0	7
012	gc06_091322012	ICAL				09/13/22 23:12	1.0	8
013	gc06_091322013	ICAL				09/13/22 23:30	1.0	9
015	gc06_091322015	ICV				09/14/22 00:04	1.0	10
017	gc06_091322017	ICAL				09/14/22 00:39	1.0	11
018	gc06_091322018	ICAL				09/14/22 00:57	1.0	12
019	gc06_091322019	ICAL				09/14/22 01:14	1.0	13
020	gc06_091322020	ICAL				09/14/22 01:31	1.0	14
021	gc06_091322021	ICAL				09/14/22 01:49	1.0	15
022	gc06_091322022	ICAL				09/14/22 02:06	1.0	16
023	gc06_091322023	ICAL				09/14/22 02:23	1.0	17
024	gc06_091322024	ICAL				09/14/22 02:41	1.0	18
025	gc06_091322025	ICAL				09/14/22 02:58	1.0	19
027	gc06_091322027	ICV				09/14/22 03:33	1.0	20

TJW 09/14/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 3 through 27.

Standards Used:

1=S17018 2=S17239 3=S17240 4=S17241 5=S17242 6=S17243 7=S17244 8=S17245 9=S17246 10=S17235 11=S17263 12=S17264 13=S17265 14=S17266 15=S17267 16=S17268 17=S17269 18=S17270 19=S17271 20=S17274

Enthalpy Sequence Summary for Sequence 452410975

Instrument: SVOA-GC06 Begun: 10/12/22 09:35
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_101222002	CCV				10/12/22 09:35	1.0	1	
003	gc06_101222003	CCV				10/12/22 09:53	1.0	1	
005	gc06_101222005	ICAL				10/12/22 10:27	1.0	2	
007	gc06_101222007	ICAL				10/12/22 11:02	1.0	3	
012	gc06_101222012	BLANK	QC1017973	Soil	298575	10/12/22 12:15	1.0	4	
013	gc06_101222013	LCS	QC1017974	Soil	298575	10/12/22 12:33	1.0	4	
014	gc06_101222014	MS	QC1017975	Soil	298575	10/12/22 12:50	1.0	4	
015	gc06_101222015	MSD	QC1017976	Soil	298575	10/12/22 13:07	1.0	4	
016	gc06_101222016	SAMPLE	470372-001	Soil	298575	10/12/22 13:25	1.0	4	
017	gc06_101222017	SAMPLE	470372-002	Soil	298575	10/12/22 13:42	1.0	4	
018	gc06_101222018	SAMPLE	470372-003	Soil	298575	10/12/22 14:00	1.0	4	
019	gc06_101222019	SAMPLE	470372-004	Soil	298575	10/12/22 14:17	1.0	4	
020	gc06_101222020	MSS	470372-005	Soil	298575	10/12/22 14:34	1.0	4	
021	gc06_101222021	SAMPLE	470372-006	Soil	298575	10/12/22 14:52	1.0	4	
022	gc06_101222022	SAMPLE	470372-009	Soil	298575	10/12/22 15:09	1.0	4	
023	gc06_101222023	SAMPLE	470372-010	Soil	298575	10/12/22 15:27	1.0	4	
024	gc06_101222024	SAMPLE	470372-011	Soil	298575	10/12/22 15:44	1.0	4	
025	gc06_101222025	SAMPLE	470372-014	Soil	298575	10/12/22 16:01	1.0	4	6:PCB1260#3=77000
026	gc06_101222026	SAMPLE	470372-015	Soil	298575	10/12/22 16:19	1.0	4	6:PCB1260#3=77000
027	gc06_101222027	SAMPLE	470372-016	Soil	298575	10/12/22 16:36	1.0	4	6:PCB1260#3=17000
028	gc06_101222028	SAMPLE	470372-019	Soil	298575	10/12/22 16:53	1.0	4	8:PCB1260#3=24000
029	gc06_101222029	SAMPLE	470372-020	Soil	298575	10/12/22 17:11	1.0	4	
030	gc06_101222030	SAMPLE	470372-021	Soil	298575	10/12/22 17:28	1.0	4	
031	gc06_101222031	SAMPLE	470372-022	Soil	298575	10/12/22 17:46	1.0	4	5:PCB1260#1=2600
032	gc06_101222032	SAMPLE	470372-025	Soil	298575	10/12/22 18:03	1.0	4	
033	gc06_101222033	SAMPLE	470372-026	Soil	298575	10/12/22 18:20	1.0	4	
034	gc06_101222034	SAMPLE	470372-027	Soil	298575	10/12/22 18:38	1.0	4	
035	gc06_101222035	SAMPLE	470372-030	Soil	298575	10/12/22 18:55	1.0	4	2:PCB1260#3=2900
036	gc06_101222036	BLANK	QC1018344	Wipe	298736	10/12/22 19:13	1.0	4	
037	gc06_101222037	BS	QC1018345	Wipe	298736	10/12/22 19:30	1.0	4	
038	gc06_101222038	BSD	QC1018346	Wipe	298736	10/12/22 19:48	1.0	4	
039	gc06_101222039	SAMPLE	470460-001	Wipe	298736	10/12/22 20:05	1.0	4	
040	gc06_101222040	SAMPLE	470460-002	Wipe	298736	10/12/22 20:22	1.0	4	
041	gc06_101222041	SAMPLE	470460-004	Wipe	298736	10/12/22 20:40	1.0	4	
042	gc06_101222042	SAMPLE	470460-006	Wipe	298736	10/12/22 20:57	1.0	4	
043	gc06_101222043	SAMPLE	470460-008	Wipe	298736	10/12/22 21:14	1.0	4	
044	gc06_101222044	SAMPLE	470460-010	Wipe	298736	10/12/22 21:32	1.0	4	
045	gc06_101222045	SAMPLE	470460-012	Wipe	298736	10/12/22 21:49	1.0	4	

TRN 10/14/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 45.

Standards Used:
1=S17386 2=S17281 3=S17360 4=S17010

Instrument: SVOA-GC07 Begun: 10/19/22 09:47
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_101922002	PEM				10/19/22 09:47	1.0	1	
003	gc07_101922003	CCV				10/19/22 10:05	1.0	2	
004	gc07_101922004	CCV				10/19/22 10:22	1.0	3	
005	gc07_101922005	CCV				10/19/22 10:48	1.0	3	
009	gc07_101922009	ICAL				10/19/22 11:48	1.0	4	
010	gc07_101922010	ICAL				10/19/22 12:05	1.0	5	
012	gc07_101922012	ICAL				10/19/22 12:40	1.0	6	
013	gc07_101922013	MSS	470676-001	Soil	299043	10/19/22 12:58	1.0	7	
014	gc07_101922014	MSS	470676-001	Soil	299043	10/19/22 13:15	1.0	7	
015	gc07_101922015	MSS	470767-001	Soil	299043	10/19/22 13:33	1.0	7	
016	gc07_101922016	MSS	470767-001	Soil	299043	10/19/22 13:50	1.0	7	
017	gc07_101922017	SAMPLE	470740-005	Soil	299043	10/19/22 14:08	1.0	7	
018	gc07_101922018	SAMPLE	470803-002	Soil	299043	10/19/22 14:25	10.0	7	
019	gc07_101922019	SAMPLE	470803-002	Soil	299043	10/19/22 14:42	1.0	7	
020	gc07_101922020	BLANK	QC1018344	Wipe	298736	10/19/22 15:00	1.0	7	
021	gc07_101922021	SAMPLE	470870-003	Soil	299110	10/19/22 15:17	10.0	7	
022	gc07_101922022	SAMPLE	470326-005	Soil	298433	10/19/22 15:35	1.0	7	
024	gc07_101922024	SAMPLE	470071-001	Soil	298970	10/19/22 16:10	5.0	7	sh
025	gc07_101922025	SAMPLE	470071-003	Soil	298970	10/19/22 16:27	5.0	7	sh
026	gc07_101922026	SAMPLE	470071-004	Soil	298970	10/19/22 16:44	5.0	7	sh
027	gc07_101922027	SAMPLE	470821-001	Miscell.	299043	10/19/22 17:02	10.0	7	
028	gc07_101922028	SAMPLE	470858-002	Soil	299043	10/19/22 17:19	10.0	7	
029	gc07_101922029	SAMPLE	470858-002	Soil	299043	10/19/22 17:37	1.0	7	
030	gc07_101922030	SAMPLE	470460-012	Wipe	298736	10/19/22 17:54	1.0	7	
032	gc07_101922032	PEM				10/19/22 18:29	1.0	1	
033	gc07_101922033	CCV				10/19/22 18:47	1.0	2	
036	gc07_101922036	BLANK	QC1019684	Soil	299114	10/19/22 19:23	1.0	7	
037	gc07_101922037	LCS	QC1019685	Soil	299114	10/19/22 19:40	1.0	7	
038	gc07_101922038	MS	QC1019686	Soil	299114	10/19/22 19:58	1.0	7	1:DIELDRIN=3700
039	gc07_101922039	MSD	QC1019687	Soil	299114	10/19/22 20:15	1.0	7	1:DIELDRIN=4200
040	gc07_101922040	SAMPLE	470948-001	Soil	299114	10/19/22 20:33	1.0	7	
041	gc07_101922041	SAMPLE	470948-002	Soil	299114	10/19/22 20:50	1.0	7	
042	gc07_101922042	SAMPLE	470948-003	Soil	299114	10/19/22 21:07	1.0	7	
043	gc07_101922043	SAMPLE	470948-005	Soil	299114	10/19/22 21:25	1.0	7	
044	gc07_101922044	SAMPLE	470948-006	Soil	299114	10/19/22 21:42	5.0	7	
045	gc07_101922045	SAMPLE	470948-007	Soil	299114	10/19/22 22:00	1.0	7	
046	gc07_101922046	SAMPLE	470948-008	Soil	299114	10/19/22 22:17	1.0	7	
047	gc07_101922047	SAMPLE	470948-010	Soil	299114	10/19/22 22:35	1.0	7	
048	gc07_101922048	MSS	470948-011	Soil	299114	10/19/22 22:52	1.0	7	2:DIELDRIN=3300
049	gc07_101922049	SAMPLE	470948-012	Soil	299114	10/19/22 23:10	1.0	7	
050	gc07_101922050	SAMPLE	470948-013	Soil	299114	10/19/22 23:27	1.0	7	
051	gc07_101922051	SAMPLE	470948-015	Soil	299114	10/19/22 23:44	1.0	7	
052	gc07_101922052	SAMPLE	470948-016	Soil	299114	10/20/22 00:02	1.0	7	
053	gc07_101922053	SAMPLE	470948-017	Soil	299114	10/20/22 00:19	1.0	7	
054	gc07_101922054	SAMPLE	470948-018	Soil	299114	10/20/22 00:37	1.0	7	
055	gc07_101922055	SAMPLE	470948-020	Soil	299114	10/20/22 00:54	1.0	7	
056	gc07_101922056	SAMPLE	470948-021	Soil	299114	10/20/22 01:12	1.0	7	
057	gc07_101922057	SAMPLE	470948-022	Soil	299114	10/20/22 01:29	1.0	7	
058	gc07_101922058	SAMPLE	470948-023	Soil	299114	10/20/22 01:47	1.0	7	
059	gc07_101922059	SAMPLE	470948-025	Soil	299114	10/20/22 02:04	1.0	7	

Enthalpy Sequence Summary for Sequence 462421067

Instrument: SVOA-GC07 Begun: 10/19/22 09:47
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
060	gc07_101922060	BLANK	QC1019875	Soil	299189	10/20/22 02:21	1.0	7	
061	gc07_101922061	LCS	QC1019876	Soil	299189	10/20/22 02:39	1.0	7	
062	gc07_101922062	MS	QC1019877	Soil	299189	10/20/22 02:56	1.0	7	
063	gc07_101922063	MSD	QC1019878	Soil	299189	10/20/22 03:14	1.0	7	
064	gc07_101922064	SAMPLE	470988-001	Soil	299189	10/20/22 03:31	1.0	7	
065	gc07_101922065	SAMPLE	470988-006	Soil	299189	10/20/22 03:49	1.0	7	
066	gc07_101922066	SAMPLE	470988-007	Soil	299189	10/20/22 04:06	1.0	7	
067	gc07_101922067	SAMPLE	470988-009	Soil	299189	10/20/22 04:24	1.0	7	
068	gc07_101922068	SAMPLE	470988-010	Soil	299189	10/20/22 04:41	5.0	7	
069	gc07_101922069	SAMPLE	470988-012	Soil	299189	10/20/22 04:58	1.0	7	
070	gc07_101922070	SAMPLE	470988-013	Soil	299189	10/20/22 05:16	1.0	7	
071	gc07_101922071	MSS	470792-001	Soil	299189	10/20/22 05:33	1.0	7	

TRN 10/20/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 71.

sh=out of sample hold

Standards Used:
1=S17018 2=S17243 3=S17386 4=S17280 5=S17281 6=S17467 7=S17010

SAMPLE PREPARATION SUMMARY

Batch # : 298736 Analysis : 8080
Started By : EPL Prep Date : 12-OCT-2022 08:27 Finished By : EPL
Method : 3572M Units : dm2
Spike #1 ID : S17406 Spike #2 ID : S17295

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
470460-001		Wipe	1	20	1	20.0		1				PCB	
470460-002		Wipe	1	20	1	20.0		1				PCB	
470460-004		Wipe	1	20	1	20.0		1				PCB	
470460-006		Wipe	1	20	1	20.0		1				PCB	
470460-008		Wipe	1	20	1	20.0		1				PCB	
470460-010		Wipe	1	20	1	20.0		1				PCB	
470460-012		Wipe	1	20	1	20.0		1				PCB	
QC1018344	BLANK	Wipe	1	10	1	10.0		1				8080	
QC1018345	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1018346	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 10/14/22 : BS/D verify the batch

TRN 10/19/22 : Blank confirmed low surrogate

Analyst: TRN Date: 10/14/22 Reviewer: LW Date: 10/20/22

8081/8082 Prep Log

Date/Time: 10/12/22 8:27 Initials: EPL 608 QC Batch#:

3572M 1-24-23 MAG 8081 QC Batch #:

Matrix: WIPE Prep Method: 3580 Balance ID: N/A 8082 QC Batch #: 298736

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Witness ID	Comment
Blank		1dm²	N/A	SH3	N/A	10.0			500 µL SURROGATE
LCS		↓	↓	↓	↓	↓			↓
LCSD						↓			
470460-001	A					20.0			
-002	A					↓			
-004	A								
-006	A								
-008	A								
-010	A								
-012	A	↓	↓	↓	↓	↓			

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 223506

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: S17406 Volume: 1000 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: S17295 Volume: 500 µL

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: N/A Volume: N/A µL

REPORTING SUMMARY FOR 470460 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
470460-001	Aroclor-1016	SVOA-GC06	B	10/12/22 20:05
470460-001	Aroclor-1221	SVOA-GC06	B	10/12/22 20:05
470460-001	Aroclor-1232	SVOA-GC06	B	10/12/22 20:05
470460-001	Aroclor-1242	SVOA-GC06	B	10/12/22 20:05
470460-001	Aroclor-1248	SVOA-GC06	B	10/12/22 20:05
470460-001	Aroclor-1254	SVOA-GC06	B	10/12/22 20:05
470460-001	Aroclor-1260	SVOA-GC06	B	10/12/22 20:05
470460-001	Aroclor-1262	SVOA-GC06	B	10/12/22 20:05
470460-001	Aroclor-1268	SVOA-GC06	B	10/12/22 20:05
470460-001	TCMX (PCB)	SVOA-GC06	B	10/12/22 20:05
470460-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/12/22 20:05
470460-002	Aroclor-1016	SVOA-GC06	B	10/12/22 20:22
470460-002	Aroclor-1221	SVOA-GC06	B	10/12/22 20:22
470460-002	Aroclor-1232	SVOA-GC06	B	10/12/22 20:22
470460-002	Aroclor-1242	SVOA-GC06	B	10/12/22 20:22
470460-002	Aroclor-1248	SVOA-GC06	B	10/12/22 20:22
470460-002	Aroclor-1254	SVOA-GC06	B	10/12/22 20:22
470460-002	Aroclor-1260	SVOA-GC06	B	10/12/22 20:22
470460-002	Aroclor-1262	SVOA-GC06	B	10/12/22 20:22
470460-002	Aroclor-1268	SVOA-GC06	B	10/12/22 20:22
470460-002	TCMX (PCB)	SVOA-GC06	B	10/12/22 20:22
470460-002	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/12/22 20:22
470460-004	Aroclor-1016	SVOA-GC06	B	10/12/22 20:40
470460-004	Aroclor-1221	SVOA-GC06	B	10/12/22 20:40
470460-004	Aroclor-1232	SVOA-GC06	B	10/12/22 20:40
470460-004	Aroclor-1242	SVOA-GC06	B	10/12/22 20:40
470460-004	Aroclor-1248	SVOA-GC06	B	10/12/22 20:40
470460-004	Aroclor-1254	SVOA-GC06	B	10/12/22 20:40
470460-004	Aroclor-1260	SVOA-GC06	B	10/12/22 20:40
470460-004	Aroclor-1262	SVOA-GC06	B	10/12/22 20:40
470460-004	Aroclor-1268	SVOA-GC06	B	10/12/22 20:40
470460-004	TCMX (PCB)	SVOA-GC06	B	10/12/22 20:40
470460-004	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/12/22 20:40
470460-006	Aroclor-1016	SVOA-GC06	B	10/12/22 20:57
470460-006	Aroclor-1221	SVOA-GC06	B	10/12/22 20:57
470460-006	Aroclor-1232	SVOA-GC06	B	10/12/22 20:57
470460-006	Aroclor-1242	SVOA-GC06	B	10/12/22 20:57
470460-006	Aroclor-1248	SVOA-GC06	B	10/12/22 20:57
470460-006	Aroclor-1254	SVOA-GC06	B	10/12/22 20:57
470460-006	Aroclor-1260	SVOA-GC06	B	10/12/22 20:57
470460-006	Aroclor-1262	SVOA-GC06	B	10/12/22 20:57
470460-006	Aroclor-1268	SVOA-GC06	B	10/12/22 20:57
470460-006	TCMX (PCB)	SVOA-GC06	B	10/12/22 20:57
470460-006	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/12/22 20:57
470460-008	Aroclor-1016	SVOA-GC06	B	10/12/22 21:14
470460-008	Aroclor-1221	SVOA-GC06	B	10/12/22 21:14
470460-008	Aroclor-1232	SVOA-GC06	B	10/12/22 21:14
470460-008	Aroclor-1242	SVOA-GC06	B	10/12/22 21:14
470460-008	Aroclor-1248	SVOA-GC06	B	10/12/22 21:14
470460-008	Aroclor-1254	SVOA-GC06	B	10/12/22 21:14

REPORTING SUMMARY FOR 470460 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
470460-008	Aroclor-1260	SVOA-GC06	B	10/12/22 21:14
470460-008	Aroclor-1262	SVOA-GC06	B	10/12/22 21:14
470460-008	Aroclor-1268	SVOA-GC06	B	10/12/22 21:14
470460-008	TCMX (PCB)	SVOA-GC06	B	10/12/22 21:14
470460-008	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/12/22 21:14
470460-010	Aroclor-1016	SVOA-GC06	A	10/12/22 21:32
470460-010	Aroclor-1221	SVOA-GC06	A	10/12/22 21:32
470460-010	Aroclor-1232	SVOA-GC06	A	10/12/22 21:32
470460-010	Aroclor-1242	SVOA-GC06	A	10/12/22 21:32
470460-010	Aroclor-1248	SVOA-GC06	A	10/12/22 21:32
470460-010	Aroclor-1254	SVOA-GC06	A	10/12/22 21:32
470460-010	Aroclor-1260	SVOA-GC06	A	10/12/22 21:32
470460-010	Aroclor-1262	SVOA-GC06	A	10/12/22 21:32
470460-010	Aroclor-1268	SVOA-GC06	A	10/12/22 21:32
470460-010	TCMX (PCB)	SVOA-GC06	A	10/12/22 21:32
470460-010	Decachlorobiphenyl (PCB)	SVOA-GC06	A	10/12/22 21:32
470460-012	Aroclor-1016	SVOA-GC06	A	10/12/22 21:49
470460-012	Aroclor-1221	SVOA-GC06	A	10/12/22 21:49
470460-012	Aroclor-1232	SVOA-GC06	A	10/12/22 21:49
470460-012	Aroclor-1242	SVOA-GC06	A	10/12/22 21:49
470460-012	Aroclor-1248	SVOA-GC06	A	10/12/22 21:49
470460-012	Aroclor-1254	SVOA-GC06	A	10/12/22 21:49
470460-012	Aroclor-1260	SVOA-GC06	A	10/12/22 21:49
470460-012	Aroclor-1262	SVOA-GC06	A	10/12/22 21:49
470460-012	Aroclor-1268	SVOA-GC06	A	10/12/22 21:49
470460-012	TCMX (PCB)	SVOA-GC06	A	10/12/22 21:49
470460-012	Decachlorobiphenyl (PCB)	SVOA-GC06	A	10/12/22 21:49
QC1018344	Aroclor-1016	SVOA-GC06	A	10/12/22 19:13
QC1018344	Aroclor-1221	SVOA-GC06	A	10/12/22 19:13
QC1018344	Aroclor-1232	SVOA-GC06	A	10/12/22 19:13
QC1018344	Aroclor-1242	SVOA-GC06	A	10/12/22 19:13
QC1018344	Aroclor-1248	SVOA-GC06	A	10/12/22 19:13
QC1018344	Aroclor-1254	SVOA-GC06	A	10/12/22 19:13
QC1018344	Aroclor-1260	SVOA-GC06	A	10/12/22 19:13
QC1018344	Aroclor-1262	SVOA-GC06	A	10/12/22 19:13
QC1018344	Aroclor-1268	SVOA-GC06	A	10/12/22 19:13
QC1018344	TCMX (PCB)	SVOA-GC06	A	10/12/22 19:13
QC1018344	Decachlorobiphenyl (PCB)	SVOA-GC06	A	10/12/22 19:13
QC1018345	Aroclor-1016	SVOA-GC06	B	10/12/22 19:30
QC1018345	Aroclor-1260	SVOA-GC06	B	10/12/22 19:30
QC1018345	TCMX (PCB)	SVOA-GC06	B	10/12/22 19:30
QC1018345	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/12/22 19:30
QC1018346	Aroclor-1016	SVOA-GC06	B	10/12/22 19:48
QC1018346	Aroclor-1260	SVOA-GC06	B	10/12/22 19:48
QC1018346	TCMX (PCB)	SVOA-GC06	B	10/12/22 19:48
QC1018346	Decachlorobiphenyl (PCB)	SVOA-GC06	B	10/12/22 19:48

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	470460-001	Client ID:	ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-P-LA
Seqnum:	452410975039	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_101222039	Batch:	298736	Time:	12-OCT-2022 20:05
Cal:	452369928002	Caldate:	14-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	5.892	ND	1.0	159%	1.0		u
Aroclor-1016 Peak # 1	B	1.638	0.03	0.52	176%			
Aroclor-1016 Peak # 2	B	4.899	0.10	0.07	37%			
Aroclor-1016 Peak # 3	B	11.44	0.23	0.95	122%			
Aroclor-1016 Peak # 4	B	10.91	0.22	3.51	177%			
Aroclor-1016 Peak # 5	B	0.5745	0.01	0.10	157%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	4.085	ND	0.52	145%	1.0		u
Aroclor-1260 Peak # 1	B	0.1601	0.00	0.85	198%			
Aroclor-1260 Peak # 2	B	6.537	0.13	0.02	138%			
Aroclor-1260 Peak # 3	B	4.577	0.09	0.11	19%			
Aroclor-1260 Peak # 4	B	2.100	0.04	0.79	180%			
Aroclor-1260 Peak # 5	B	7.052	0.14	0.81	141%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	37.70	1.000	0.7540	75	52-186	u
Decachlorobiphenyl (PCB)	B	35.97	1.000	0.7194	72	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9052455	8225657	-9.13
1-bromo-2-nitrobenzene (PCB)	A	1846693	1865882	1.04

ISTD (ICAL gc06_101222005)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	11871428	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2416508	**???**	**-100.00 ***

ISTD (ICAL gc06_101222007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	7925274	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1268)	A	1655647	**???**	**-100.00 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_101222005)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	3.92	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.11	**???**	

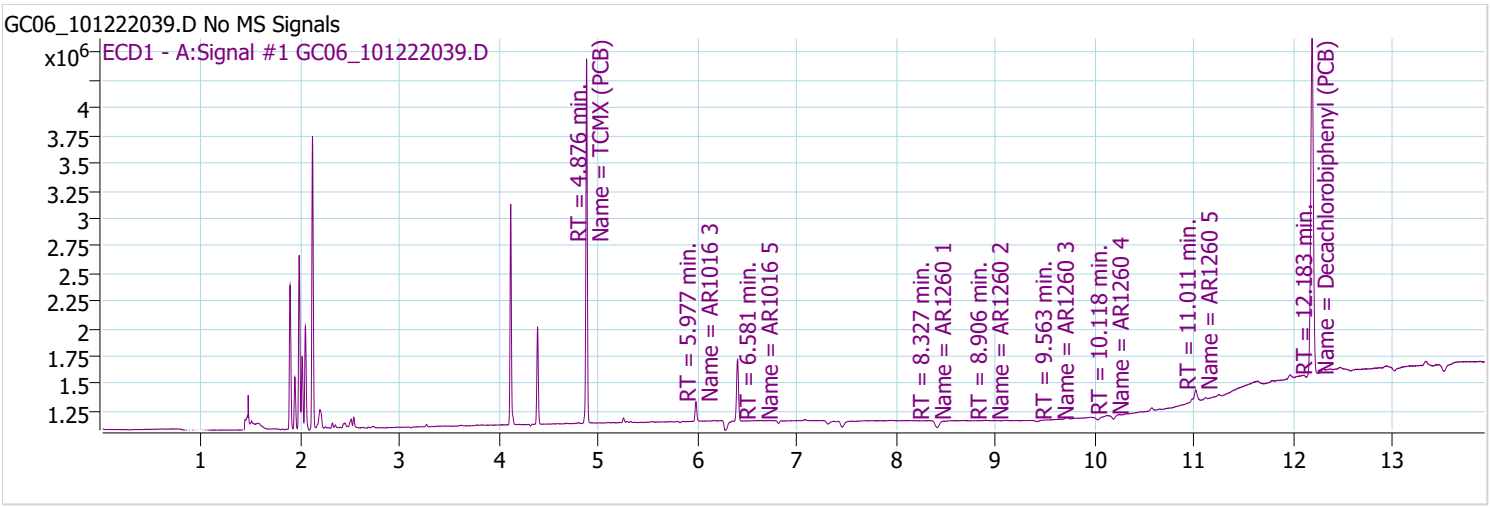
ISTD (ICAL gc06_101222007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	3.92	**???**	
1-bromo-2-nitrobenzene (1268)	A	4.11	**???**	

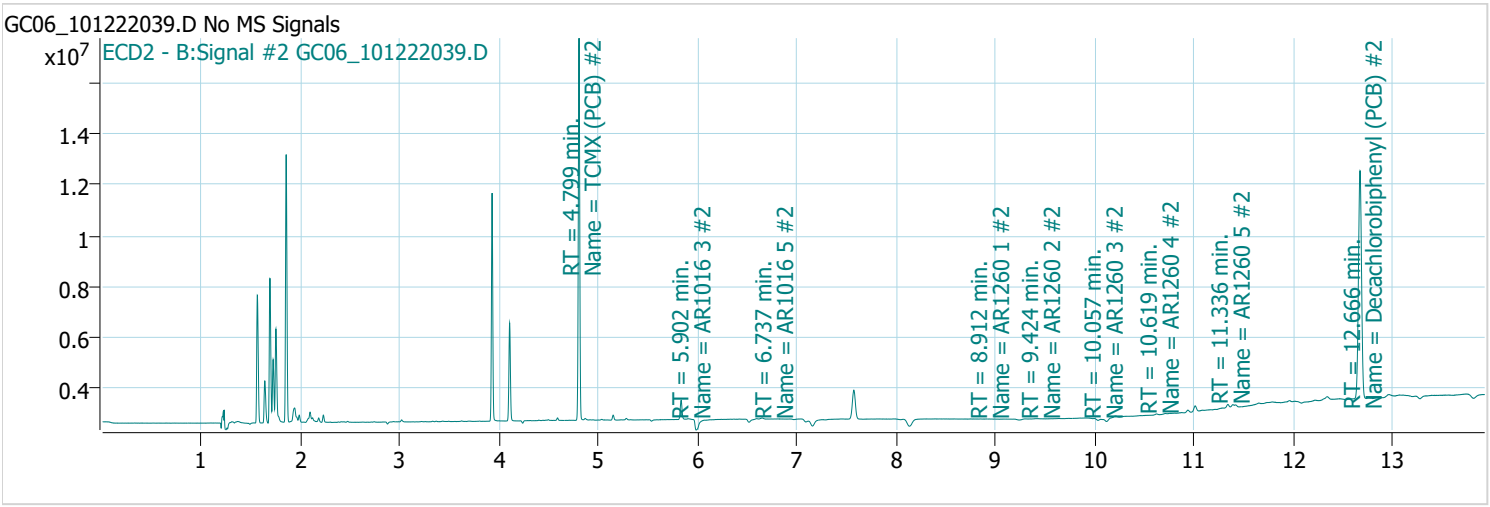
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Analyst: TRN 10/14/22 **Reviewer:** LW 10/19/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_101222039.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 8:05:24 PM
Sample Name	470460-001, 298736, 1	Instrument	SVOA-GC06
Vial	28	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222_pcb.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



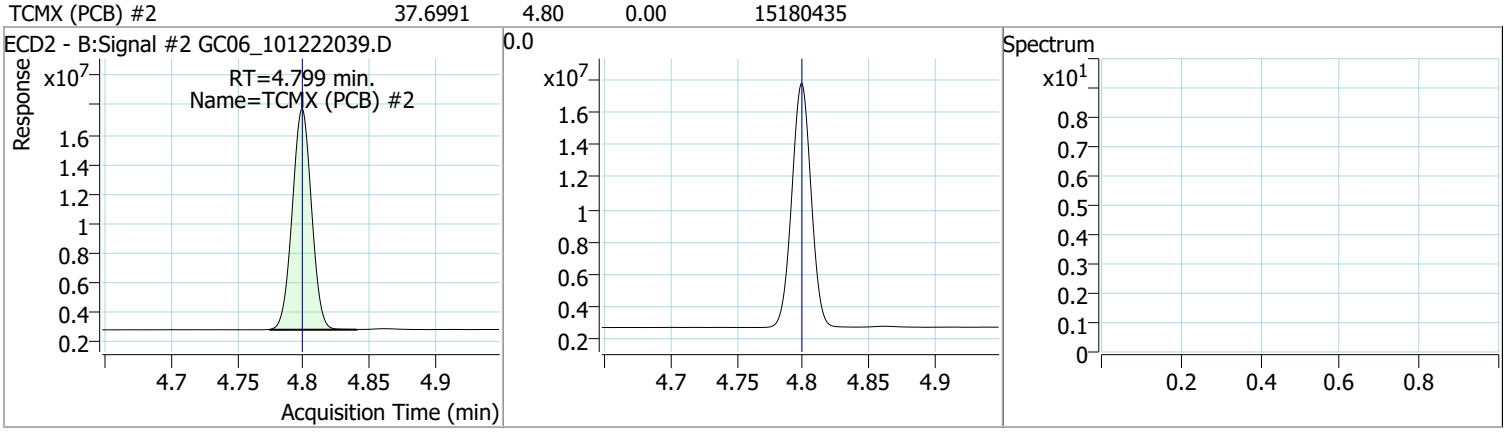


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.923	0.0	8225656.603	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.111	0.0	1865882.344	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.799	0.0	15180434.846	37.6991	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.50%		*	
S TCMX (PCB)	4.876	0.0	3351333.291	37.7077	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.54%		*	
S Decachlorobiphenyl (PCB)	12.183	0.0	5647820.991	45.1308	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 225.65%		*	
S Decachlorobiphenyl (PCB) #2	12.666	0.0	19627588.874	35.9719	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.86%		*	
Target Compounds							QValue

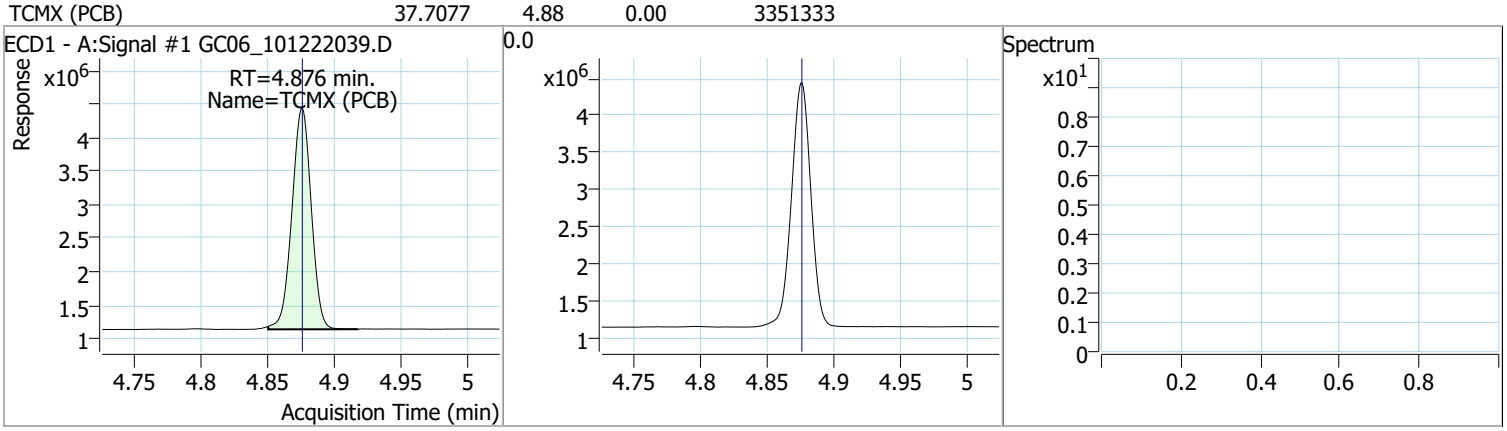
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.247	0.0	47632.814	26.0411	ng/ml	100
T AR1016 1 #2	5.228	0.0	13540.749	1.6376	ng/ml	100
T AR1016 2	5.543	0.0	13230.393	3.3840	ng/ml	100
T AR1016 2 #2	5.507	0.0	84485.552	4.8991	ng/ml	100
T AR1016 3	5.977	0.0	219296.091	47.5822	ng/ml	100
T AR1016 3 #2	5.902	0.0	256644.256	11.4384	ng/ml	100
T AR1016 4	6.160	0.0	609042.177	175.5696	ng/ml	100
T AR1016 4 #2	6.233	0.0	161786.568	10.9132	ng/ml	100
T AR1016 5	6.581	0.0	13224.878	4.7671	ng/ml	100
T AR1016 5 #2	6.737	0.0	7190.910	0.5745	ng/ml	100
T AR1260 1	8.327	0.0	232821.181	42.4171	ng/ml	100
T AR1260 2	8.906	0.0	10399.516	1.2008	ng/ml	100
T AR1260 1 #2	8.912	0.0	4561.736	0.1601	ng/ml	100
T AR1260 2 #2	9.424	0.0	209109.859	6.5371	ng/ml	100
T AR1260 3	9.563	0.0	50473.030	5.5661	ng/ml	100
T AR1260 3 #2	10.057	0.0	188365.223	4.5775	ng/ml	100
T AR1260 4	10.118	0.0	202382.158	39.5622	ng/ml	100
T AR1260 4 #2	10.619	0.0	57194.976	2.1001	ng/ml	100
T AR1260 5	11.011	0.0	256796.672	40.5445	ng/ml	100
T AR1260 5 #2	11.336	0.0	286528.152	7.0521	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

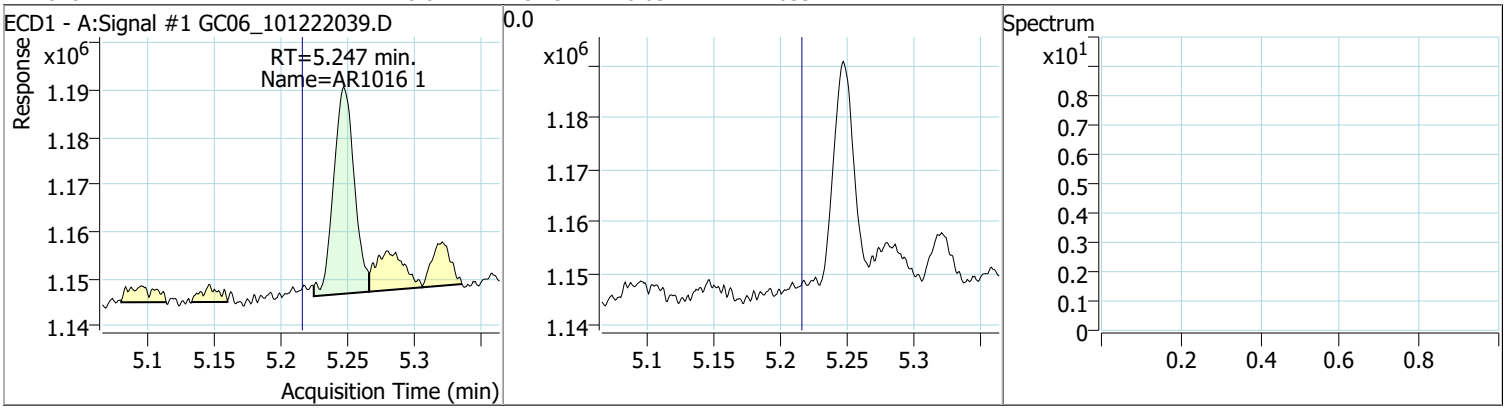
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.6991	4.80	0.00	15180435				



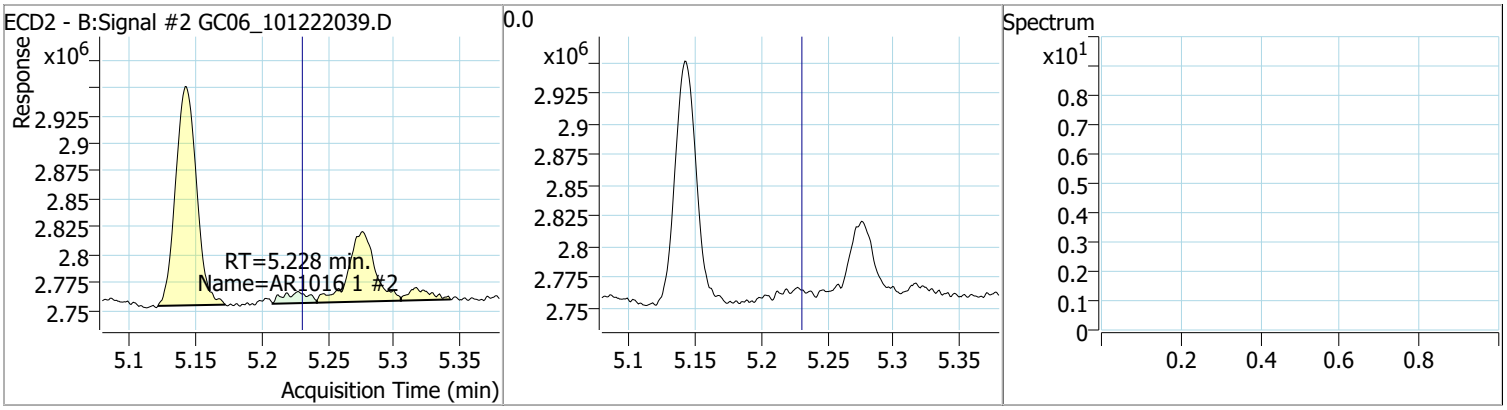
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.7077	4.88	0.00	3351333				



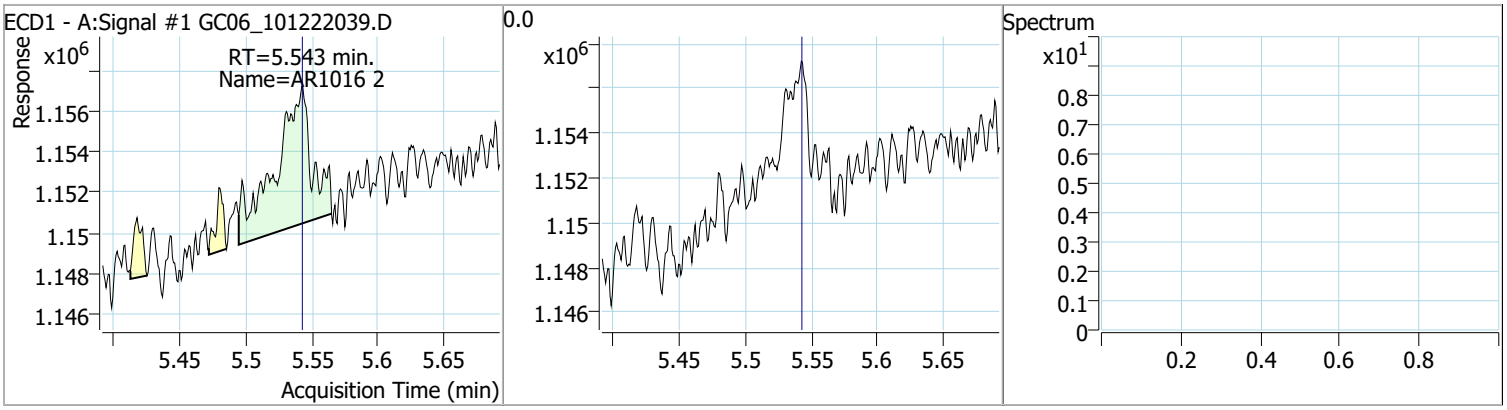
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	26.0411	5.25	0.03	47633				



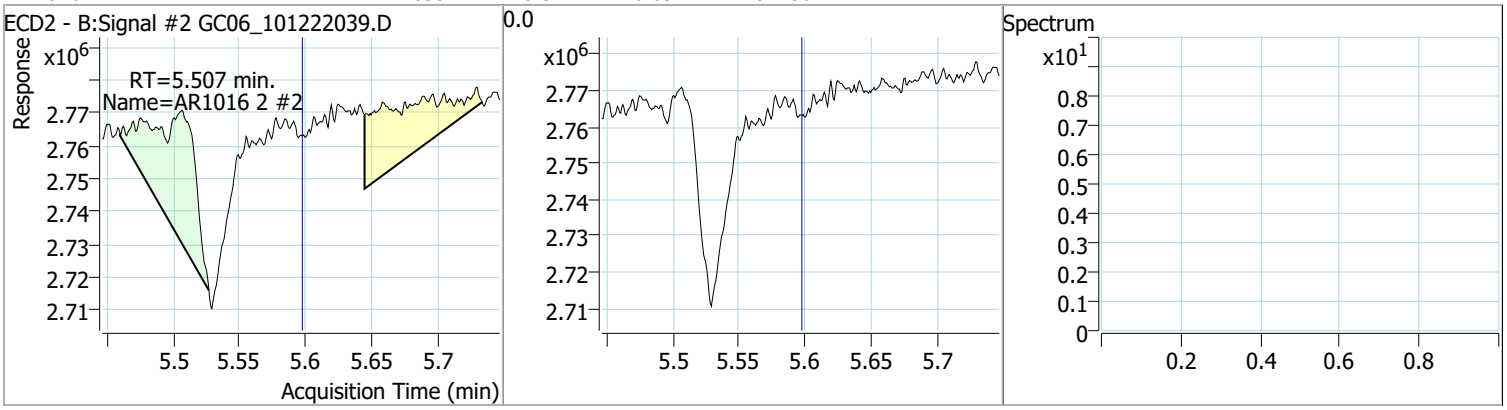
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1.6376	5.23	0.00	13541				



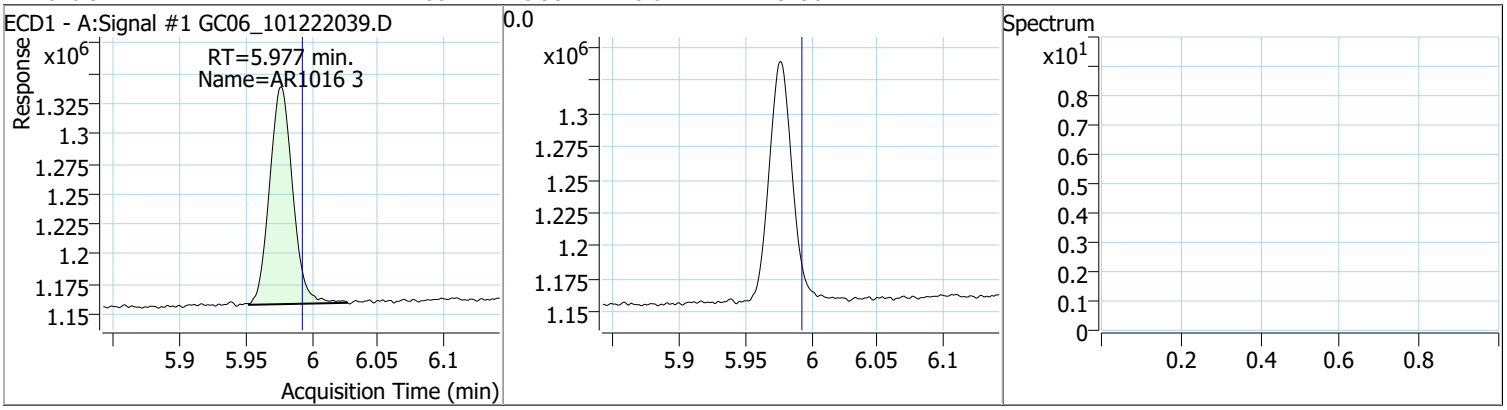
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.3840	5.54	0.00	13230				



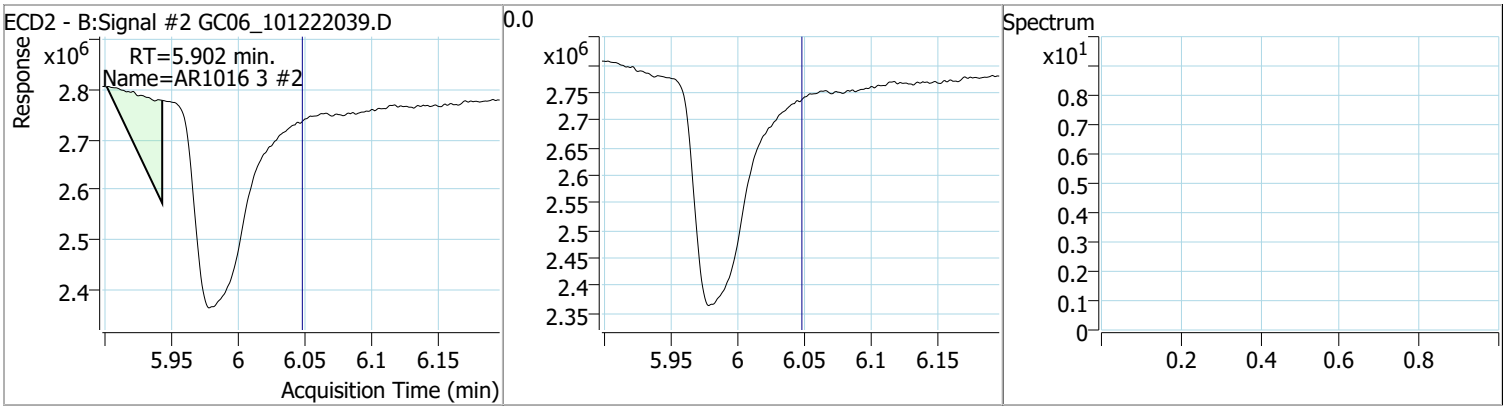
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	4.8991	5.51	-0.09	84486				



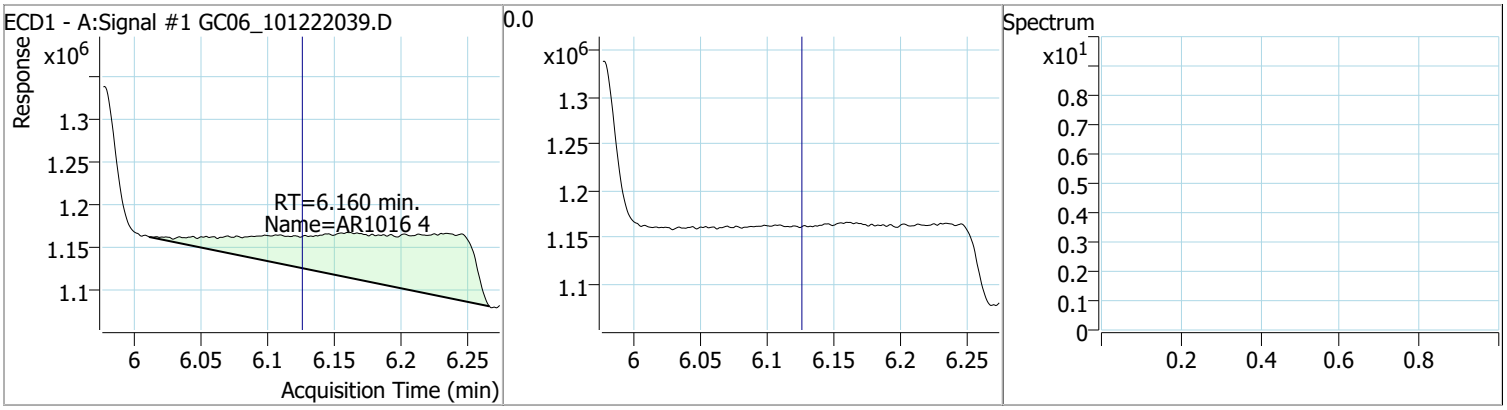
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	47.5822	5.98	-0.02	219296				



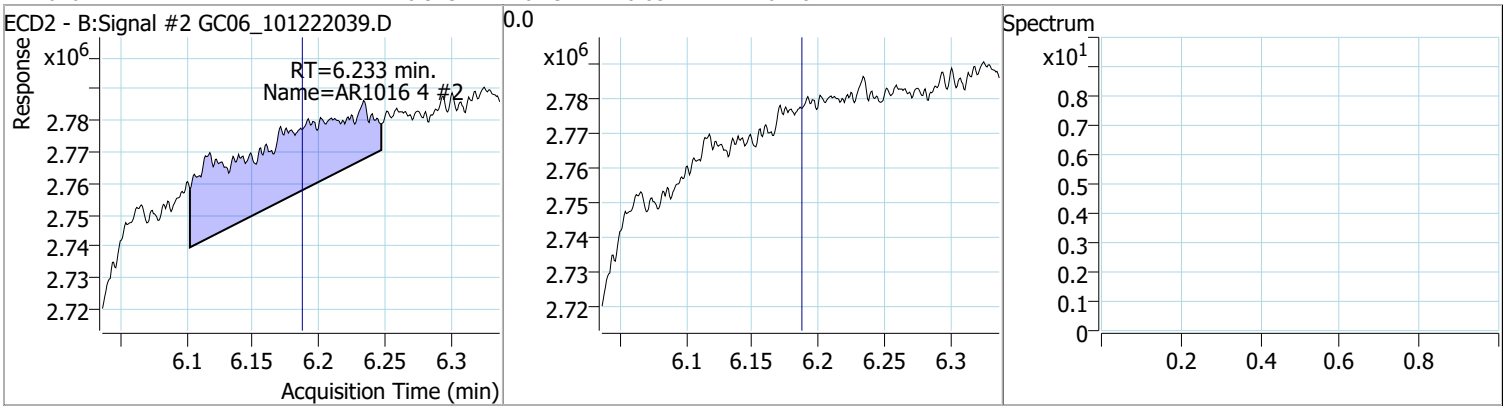
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	11.4384	5.90	-0.15	256644				



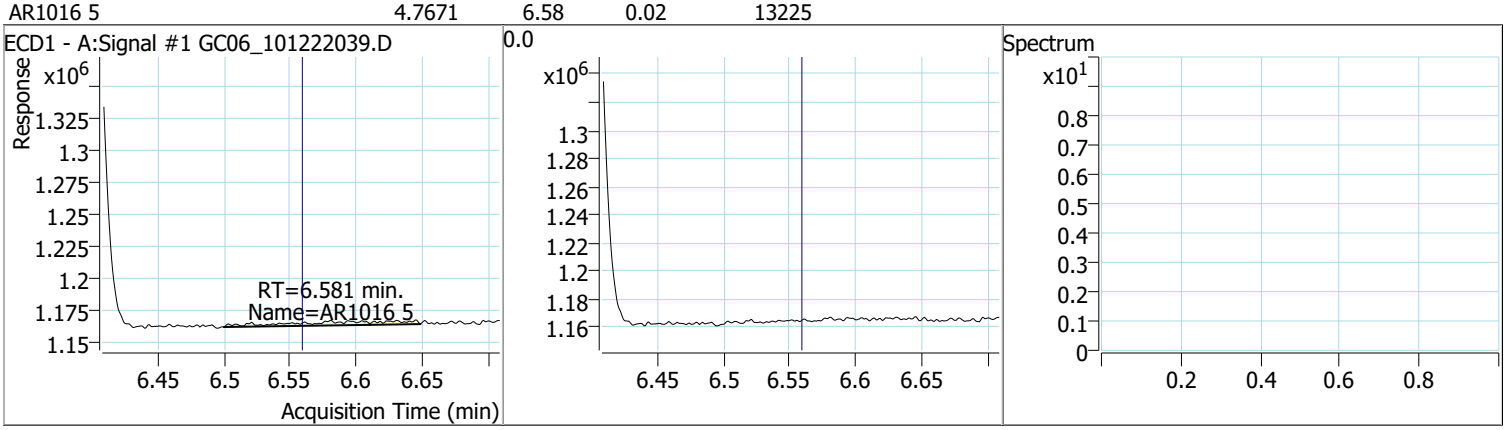
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	175.5696	6.16	0.03	609042				



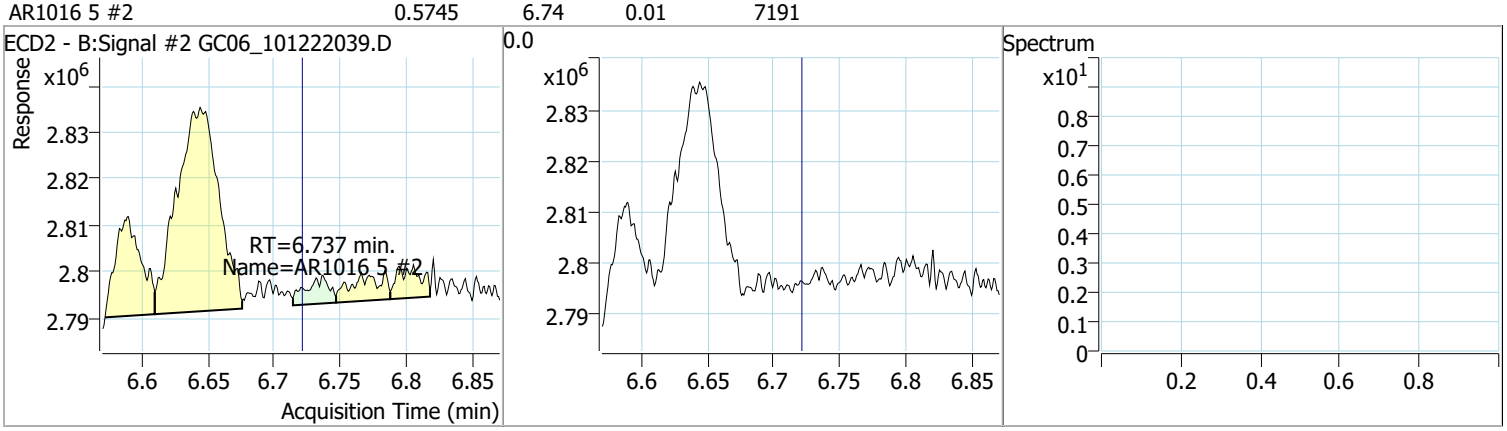
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	10.9132	6.23	0.05	161787				



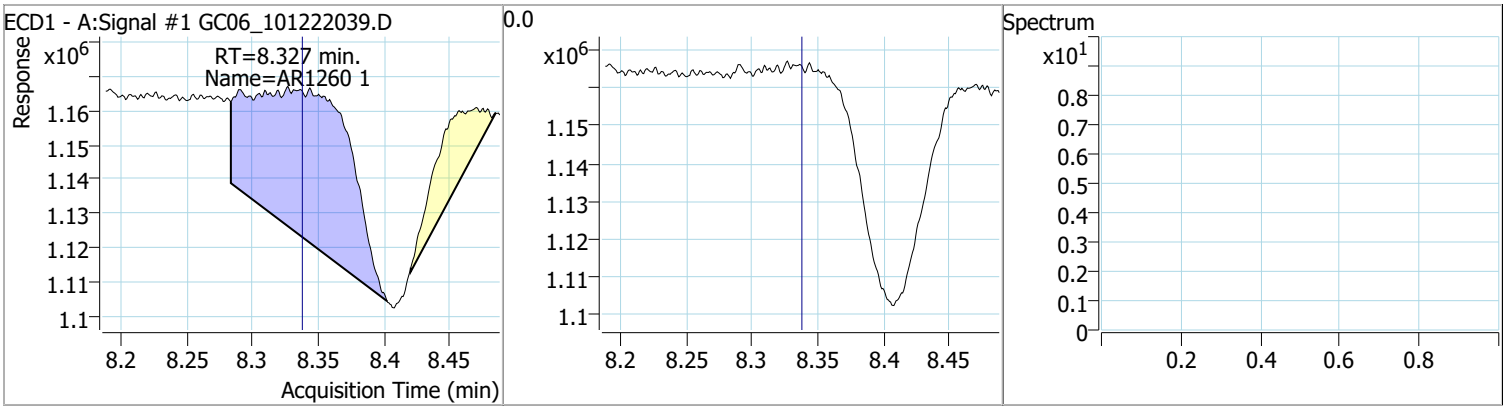
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	4.7671	6.58	0.02	13225				



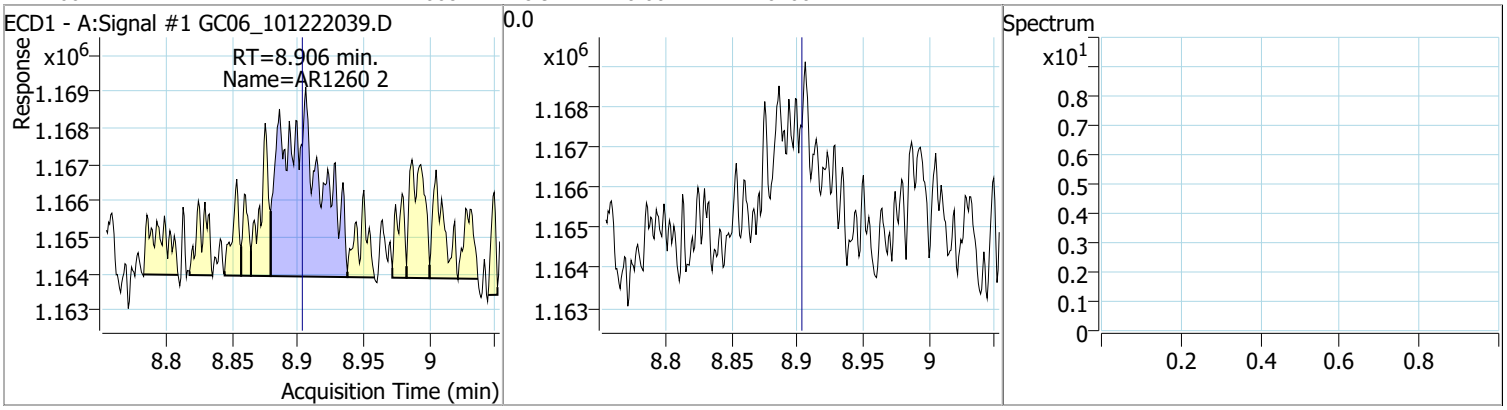
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.5745	6.74	0.01	7191				



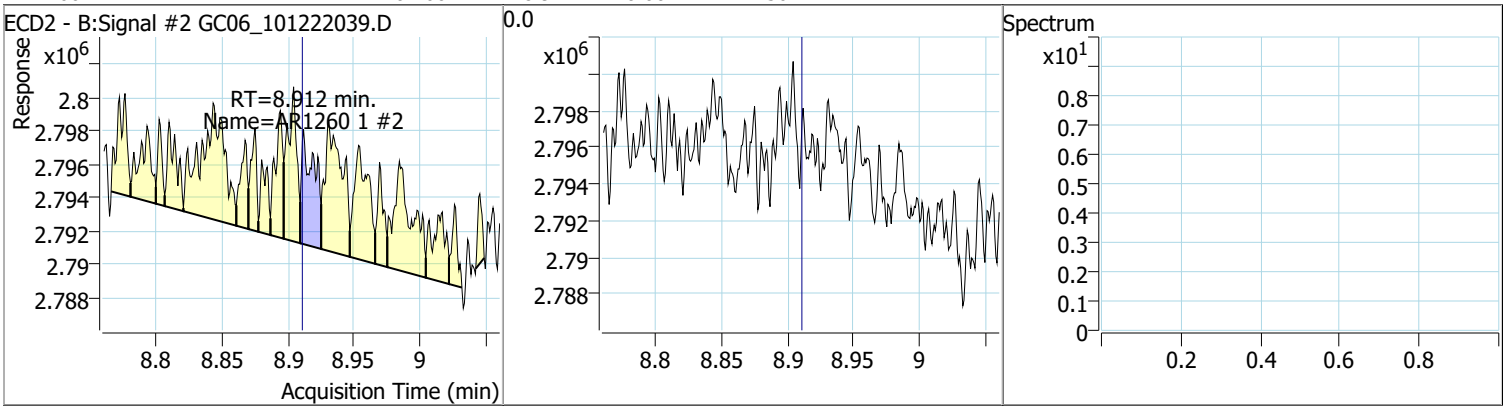
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	42.4171	8.33	-0.01	232821				



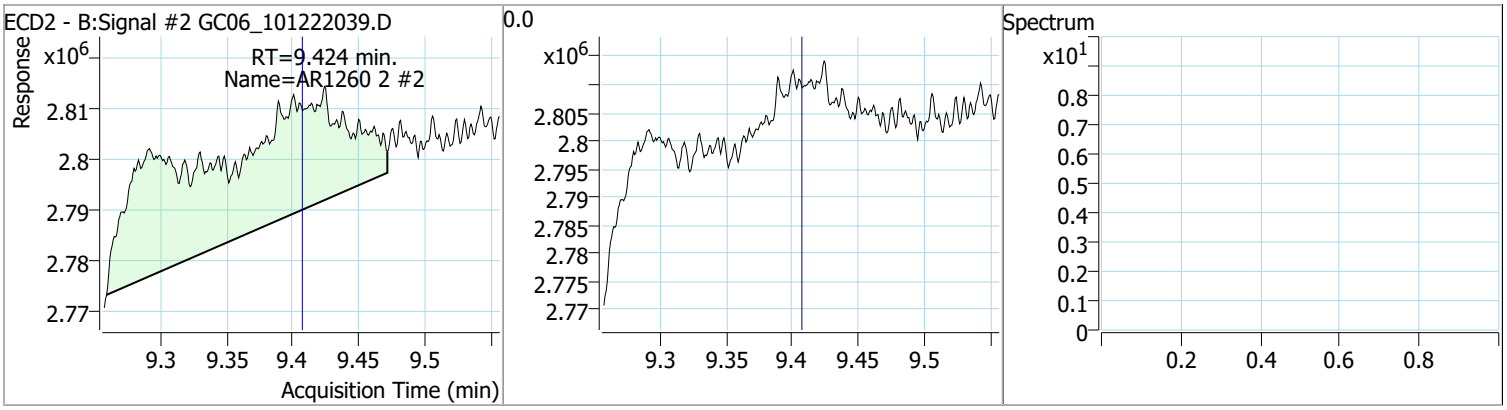
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.2008	8.91	0.00	10400				



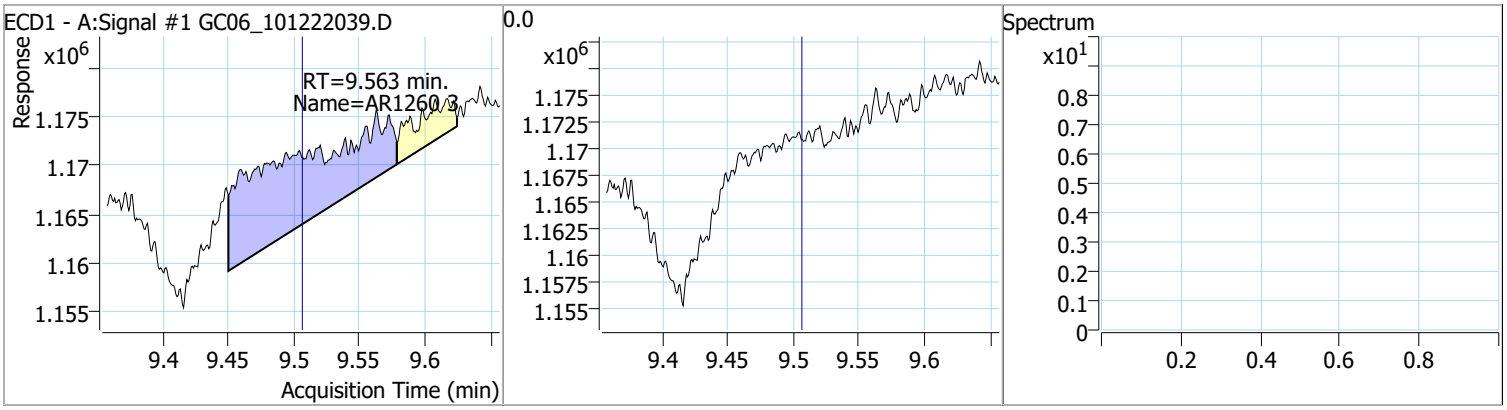
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.1601	8.91	0.00	4562				



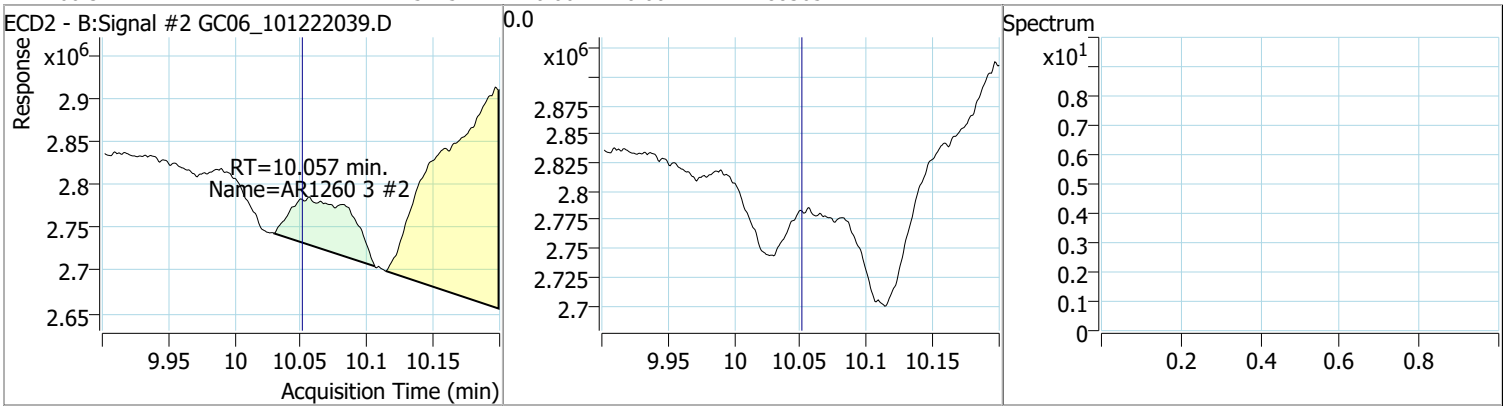
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	6.5371	9.42	0.02	209110				



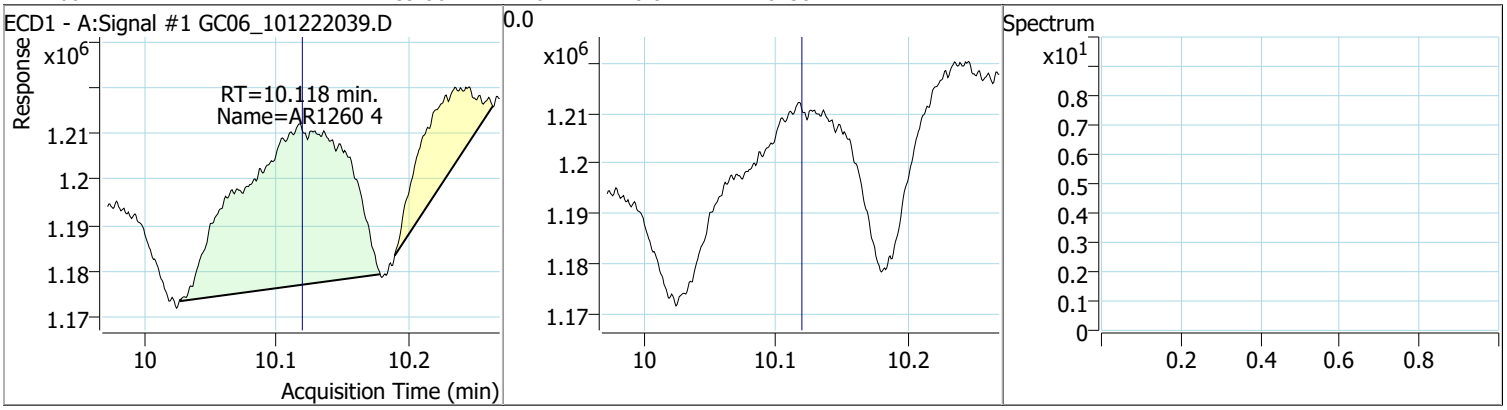
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	5.5661	9.56	0.05	50473				



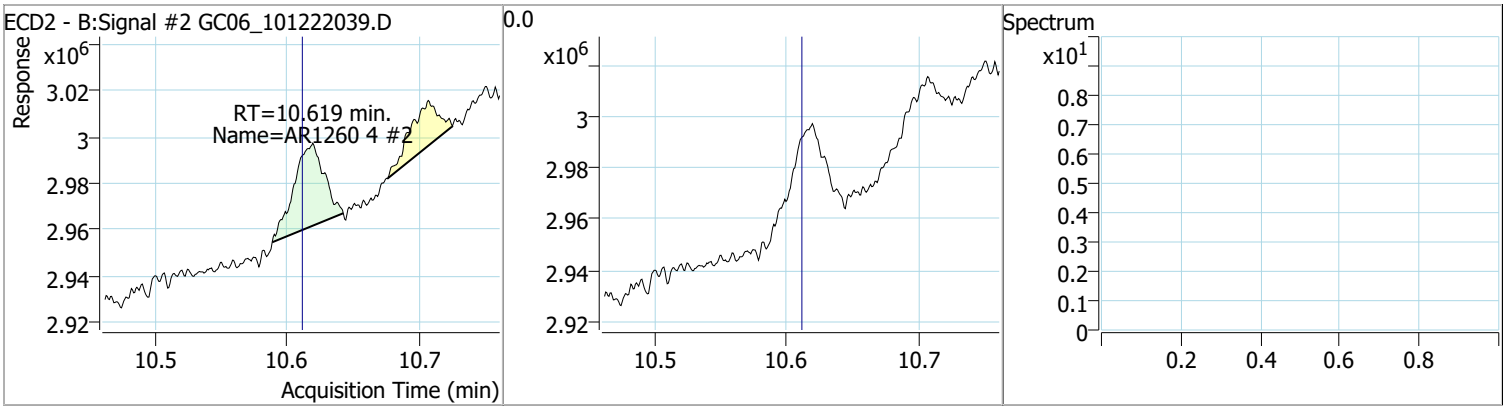
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AR1260 3 #2	4.5775	10.06	0.00	188365				



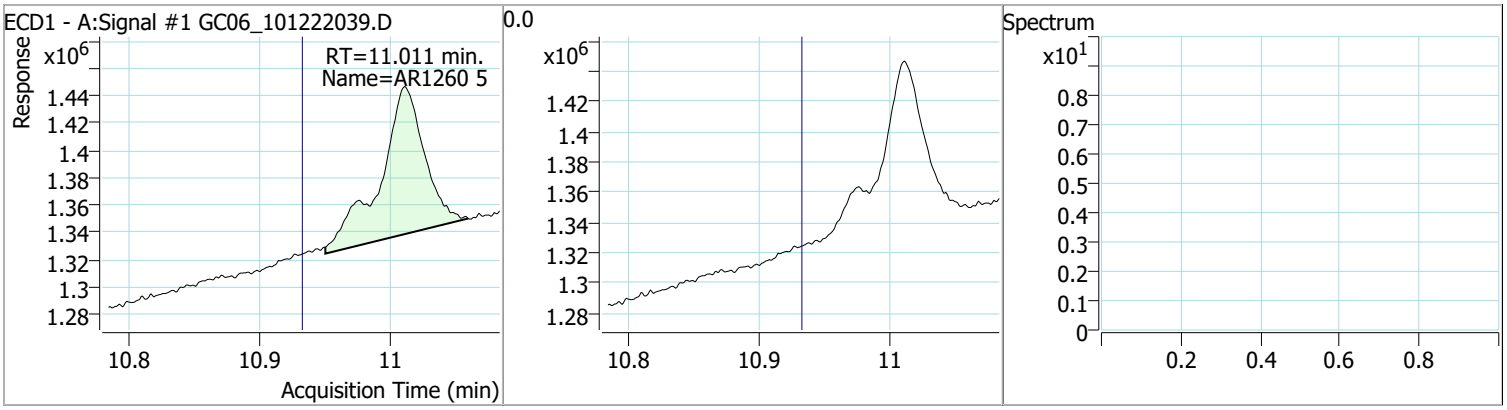
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	39.5622	10.12	-0.01	202382				



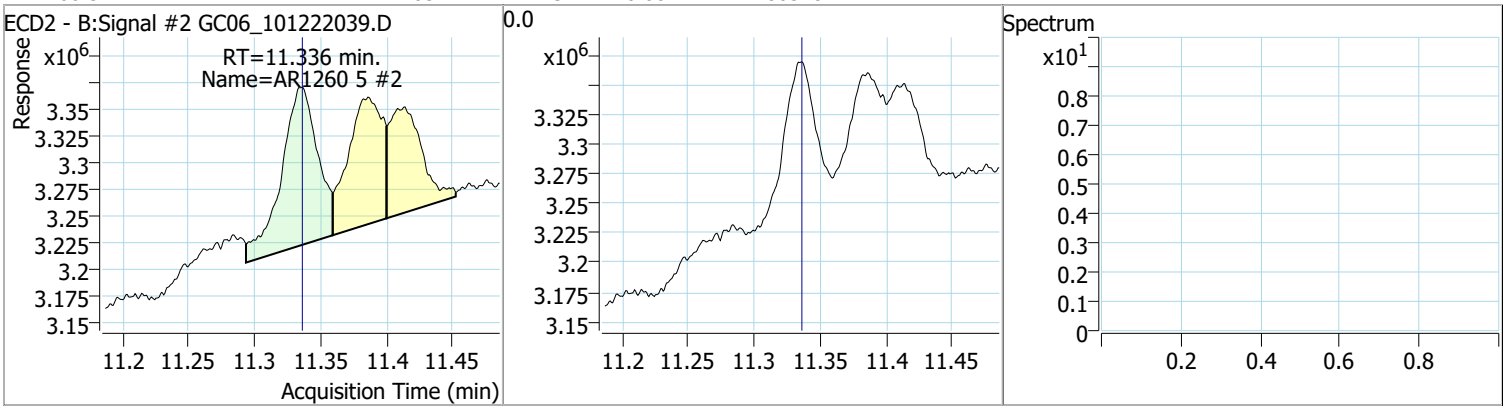
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AR1260 4 #2	2.1001	10.62	0.01	57195				



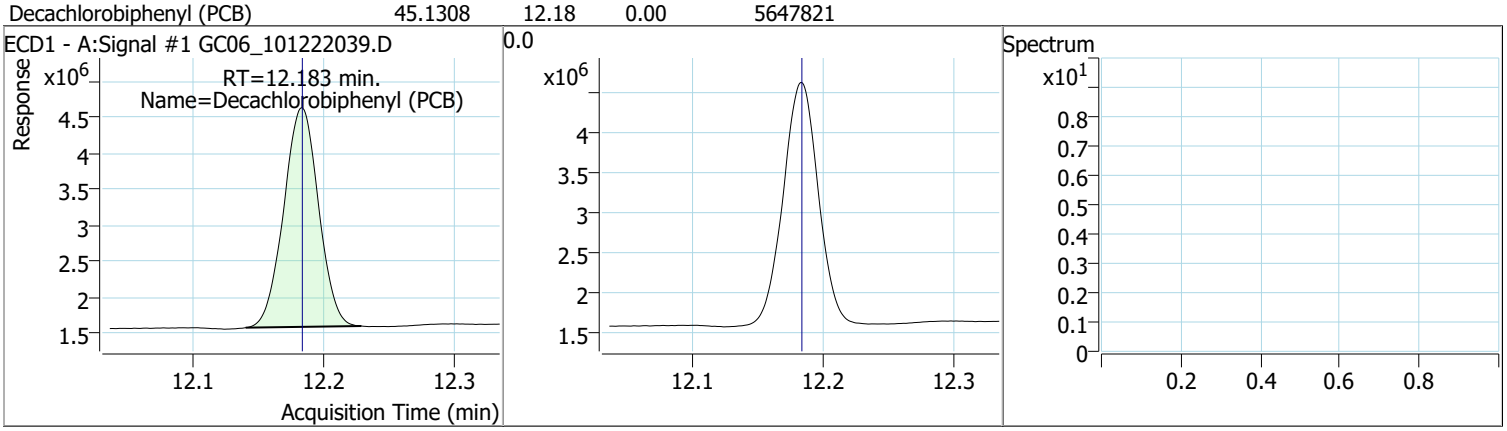
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	40.5445	11.01	0.07	256797				



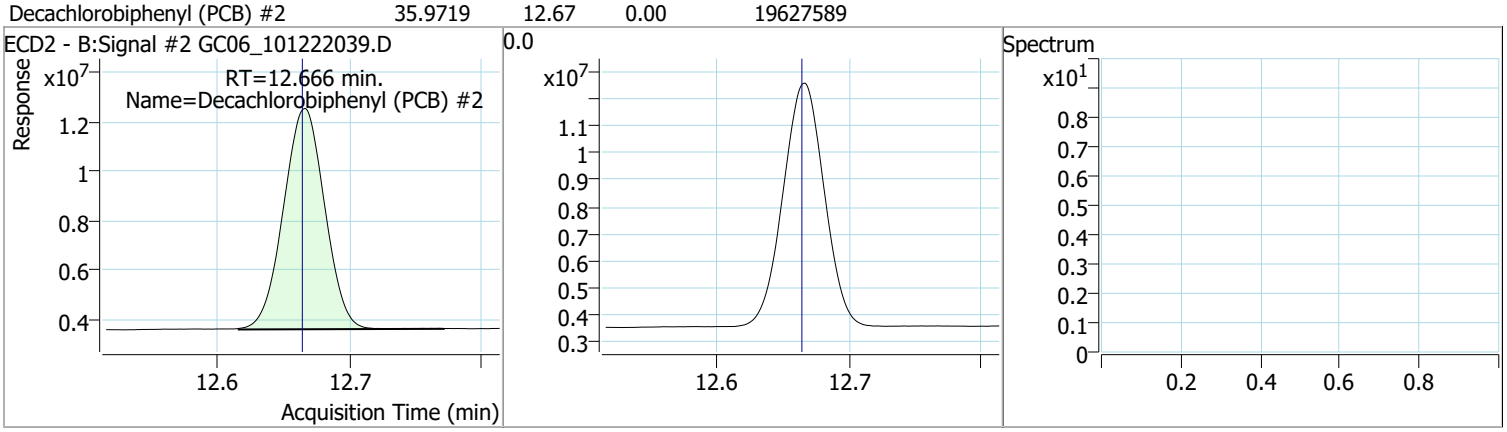
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.0521	11.34	0.00	286528				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	45.1308	12.18	0.00	5647821				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	35.9719	12.67	0.00	19627589				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	470460-002	Client ID:	ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-P-DUP-LA
Seqnum:	452410975040	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_101222040	Batch:	298736	Time:	12-OCT-2022 20:22
Cal:	452369928002	Caldate:	14-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	5.258	ND	0.40	117%	1.0		u
Aroclor-1016 Peak # 1	B	14.45	0.29	0.68	80%			
Aroclor-1016 Peak # 2	B	5.733	0.11	0.13	9%			
Aroclor-1016 Peak # 3	B	5.359	0.11	1.19	167%			
Aroclor-1016 Peak # 4	B	0.3062	0.01	ND				
Aroclor-1016 Peak # 5	B	0.4429	0.01	0.02	93%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	13.09	ND	0.56	73%	1.0		u
Aroclor-1260 Peak # 1	B	0.6712	0.01	1.18	196%			
Aroclor-1260 Peak # 2	B	6.000	0.12	0.01	157%			
Aroclor-1260 Peak # 3	B	4.967	0.10	0.16	44%			
Aroclor-1260 Peak # 4	B	5.559	0.11	1.00	160%			
Aroclor-1260 Peak # 5	B	48.27	0.97	0.46	71%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	34.92	1.000	0.6983	70	52-186	u
Decachlorobiphenyl (PCB)	B	32.48	1.000	0.6495	65	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9052455	8351302	-7.75
1-bromo-2-nitrobenzene (PCB)	A	1846693	1739787	-5.79

ISTD (ICAL gc06_101222005)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	11871428	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2416508	**???**	**-100.00 ***

ISTD (ICAL gc06_101222007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	7925274	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1268)	A	1655647	**???**	**-100.00 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_101222005)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	3.92	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.11	**???**	

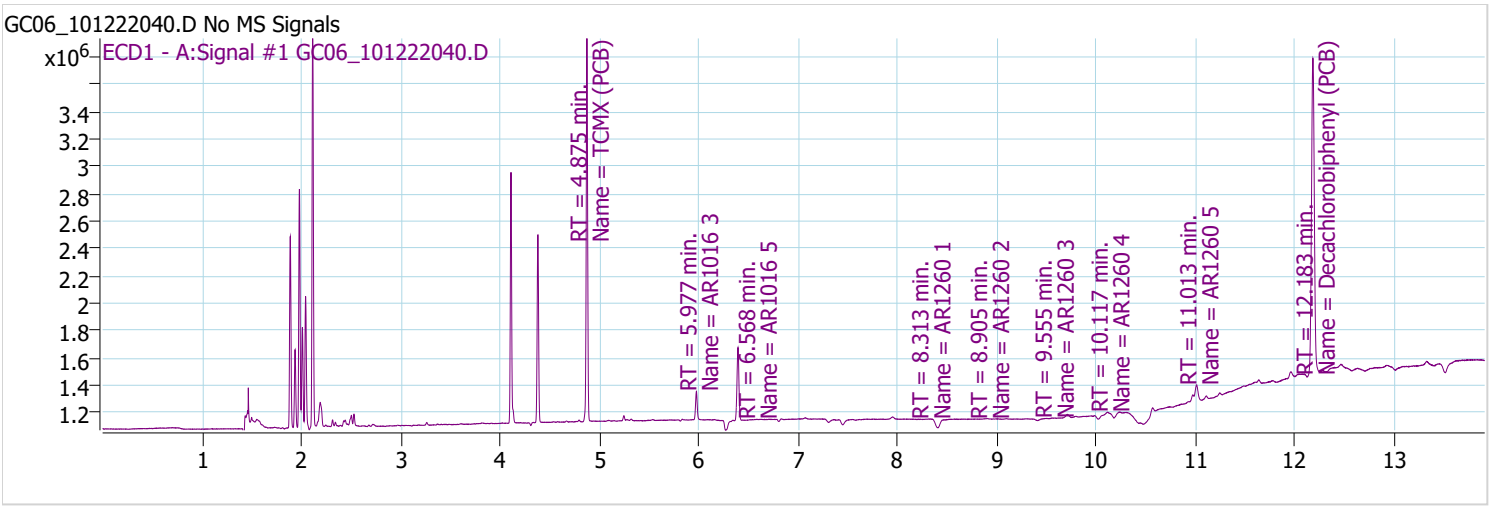
ISTD (ICAL gc06_101222007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	3.92	**???**	
1-bromo-2-nitrobenzene (1268)	A	4.11	**???**	

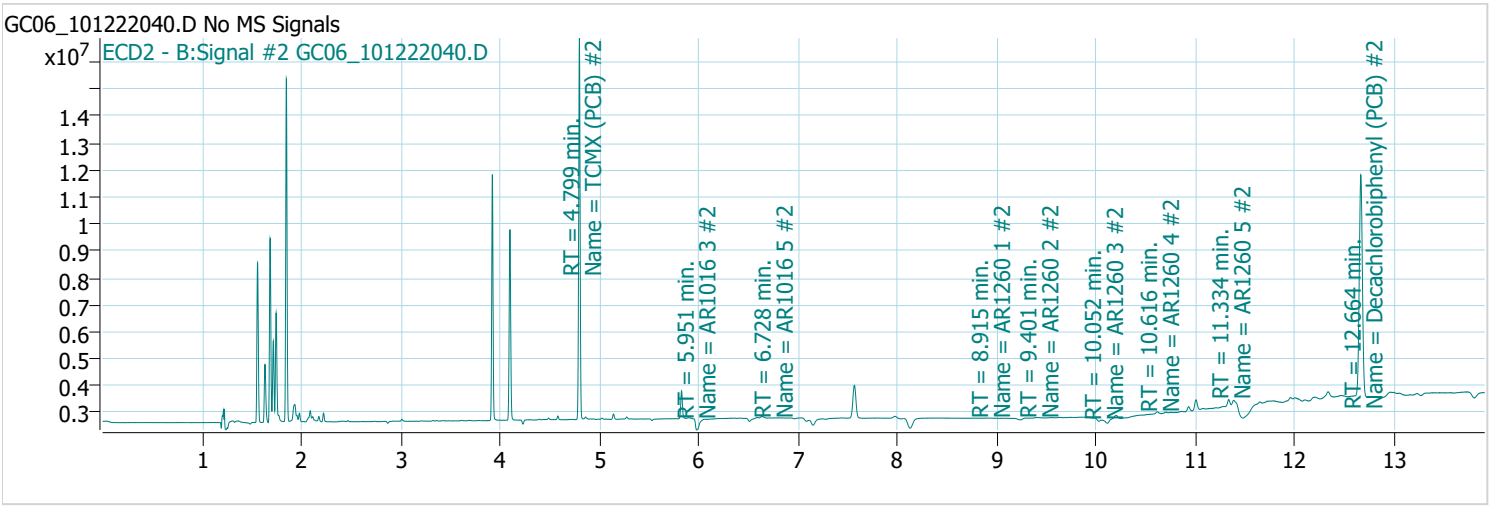
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Analyst: TRN 10/14/22 **Reviewer:** LW 10/19/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_101222040.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 8:22:45 PM
Sample Name	470460-002, 298736, 1	Instrument	SVOA-GC06
Vial	29	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222_pcb.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



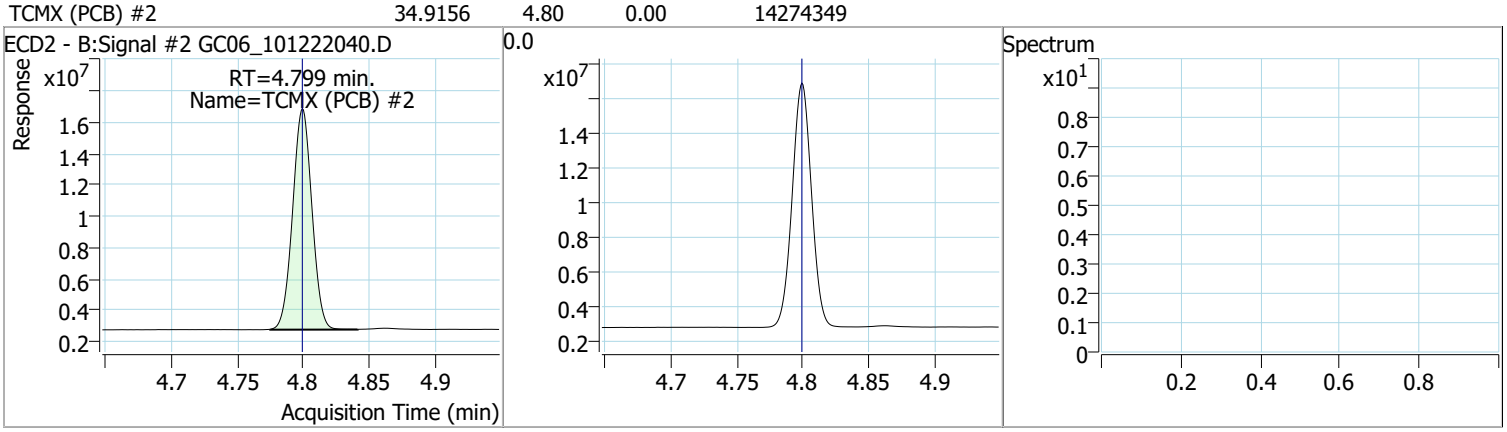


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.923	0.0	8351302.013	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.111	0.0	1739786.644	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.799	0.0	14274349.370	34.9156	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 174.58%		*	
S TCMX (PCB)	4.875	0.0	2780870.176	33.5568	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.78%		*	
S Decachlorobiphenyl (PCB)	12.183	0.0	4653688.801	39.8821	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.41%		*	
S Decachlorobiphenyl (PCB) #2	12.664	0.0	17990787.802	32.4761	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.38%		*	
Target Compounds							QValue

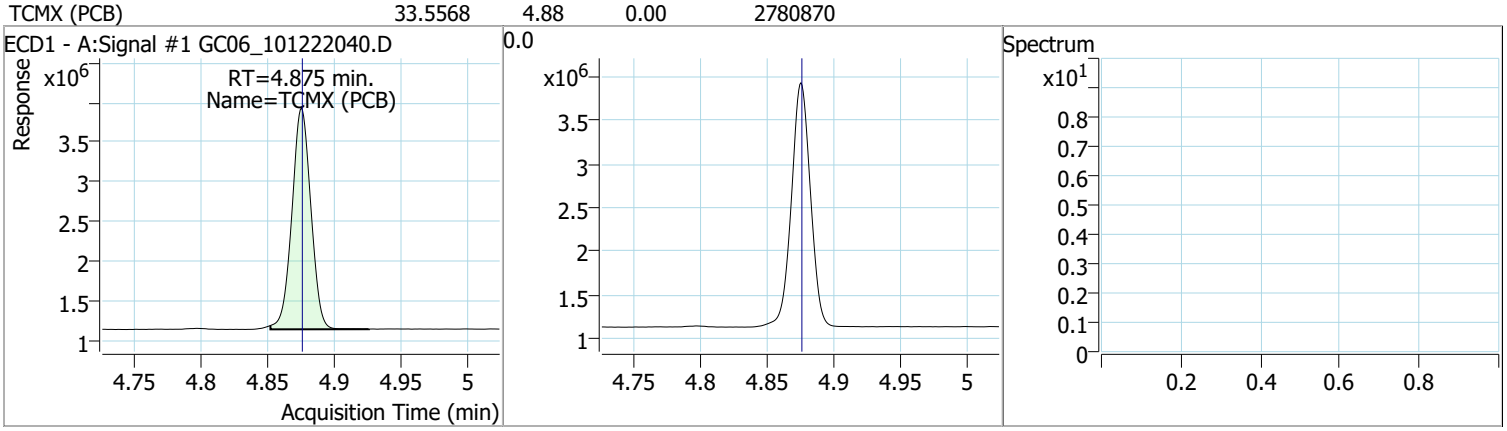
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.247	0.0	57650.412	33.8022	ng/ml	100
T AR1016 1 #2	5.277	0.0	121300.764	14.4494	ng/ml	100
T AR1016 2	5.538	0.0	22898.277	6.2812	ng/ml	100
T AR1016 2 #2	5.508	0.0	100378.329	5.7331	ng/ml	100
T AR1016 3	5.977	0.0	254620.768	59.2511	ng/ml	100
T AR1016 3 #2	5.951	0.0	122083.004	5.3593	ng/ml	100
T AR1016 4	0.000		0	N.D.		
T AR1016 4 #2	6.294	0.0	4608.883	0.3062	ng/ml	100
T AR1016 5	6.568	0.0	3138.018	1.2131	ng/ml	100
T AR1016 5 #2	6.728	0.0	5628.412	0.4429	ng/ml	100
T AR1260 1	8.313	0.0	303059.460	59.2154	ng/ml	100
T AR1260 2	8.905	0.0	5845.078	0.7238	ng/ml	100
T AR1260 1 #2	8.915	0.0	19418.753	0.6712	ng/ml	100
T AR1260 2 #2	9.401	0.0	194863.663	6.0001	ng/ml	100
T AR1260 3	9.555	0.0	65901.238	7.7943	ng/ml	100
T AR1260 3 #2	10.052	0.0	207526.585	4.9673	ng/ml	100
T AR1260 4	10.117	0.0	238285.347	49.9567	ng/ml	100
T AR1260 4 #2	10.616	0.0	153699.003	5.5586	ng/ml	100
T AR1260 5	11.013	0.0	136324.512	23.0837	ng/ml	100
T AR1260 5 #2	11.334	0.0	1991321.948	48.2735	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

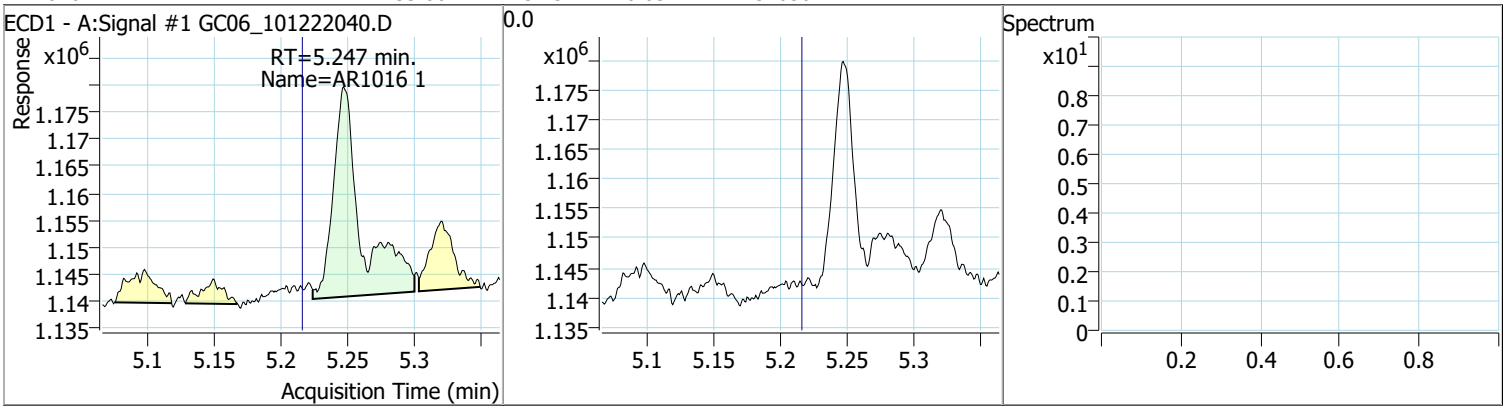
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.9156	4.80	0.00	14274349				



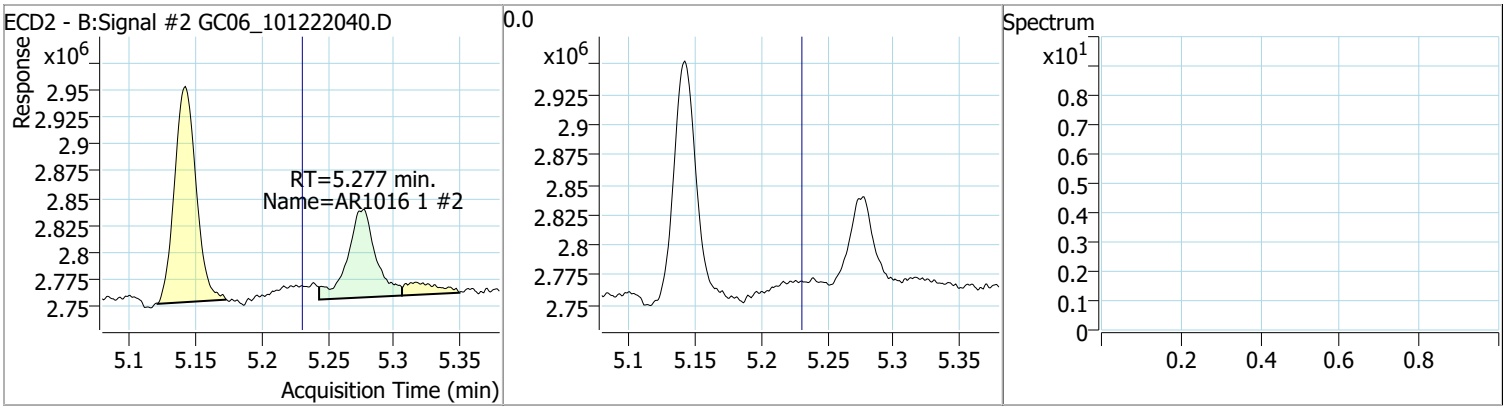
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.5568	4.88	0.00	2780870				



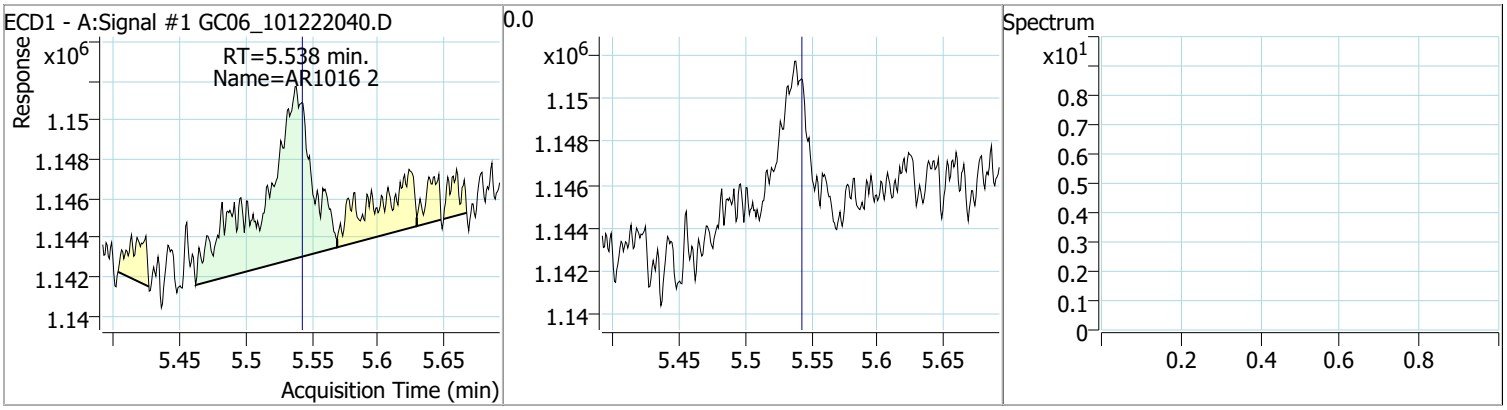
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	33.8022	5.25	0.03	57650				



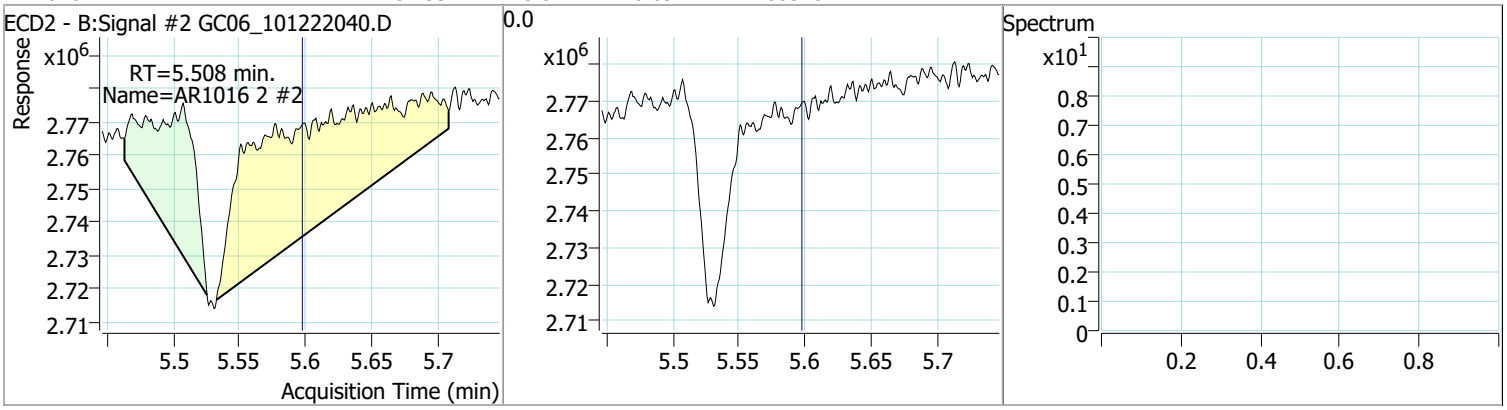
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	14.4494	5.28	0.05	121301				



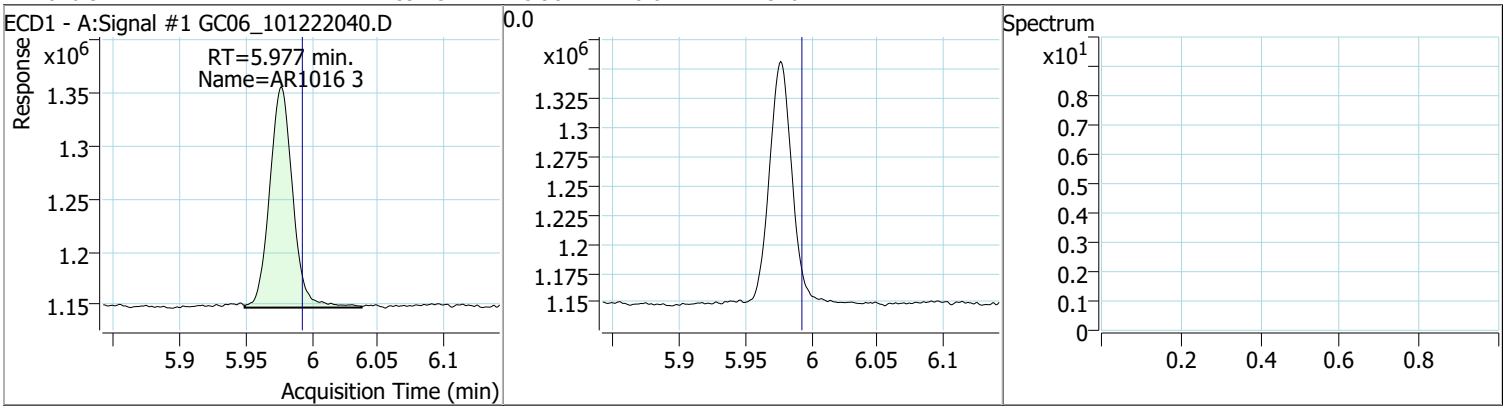
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	6.2812	5.54	-0.01	22898				



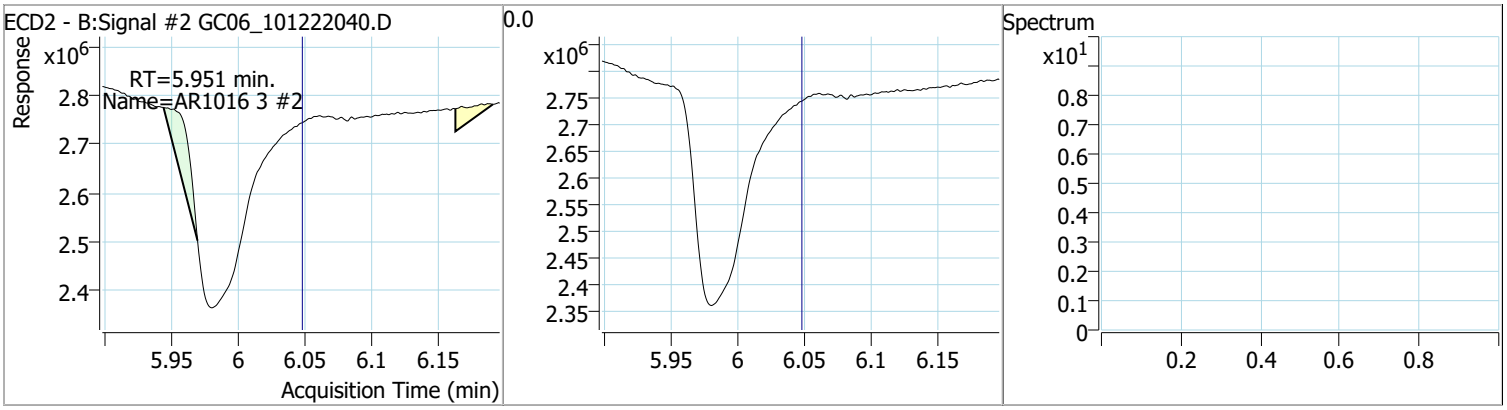
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	5.7331	5.51	-0.09	100378				



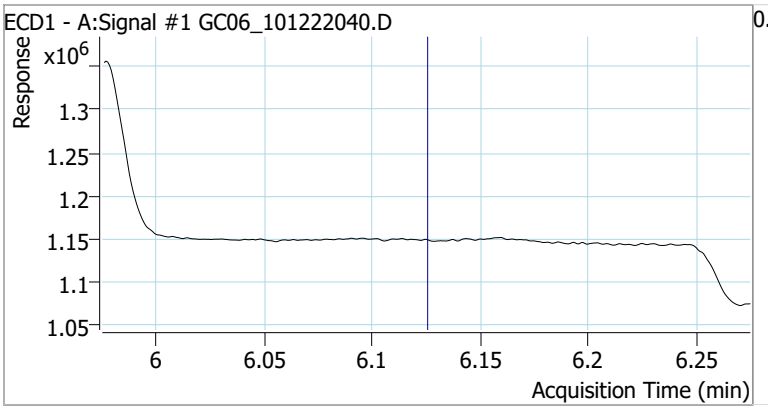
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	59.2511	5.98	-0.02	254621				

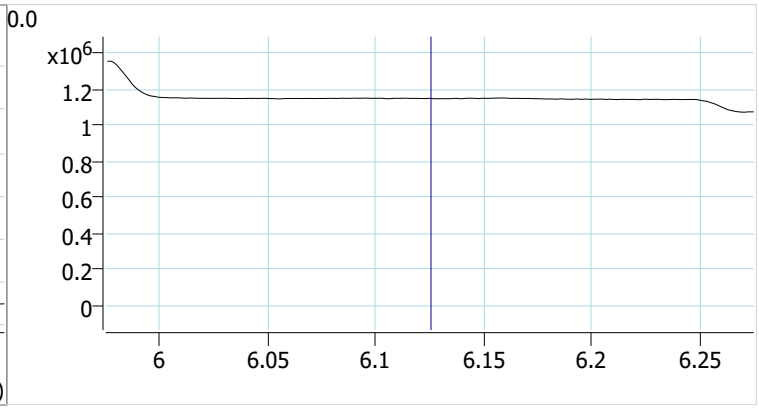


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	5.3593	5.95	-0.10	122083				

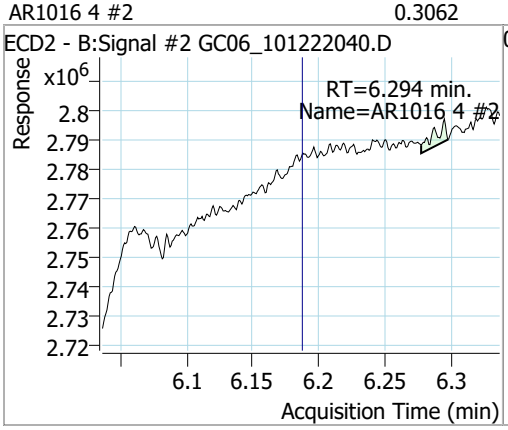


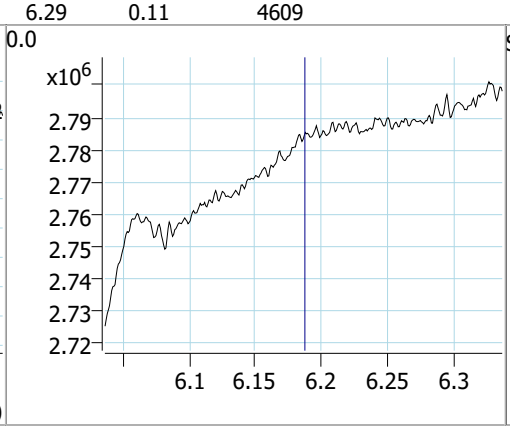
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 4	N.D.	6.13		

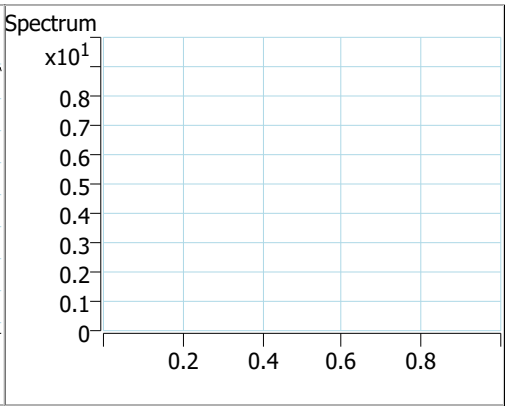




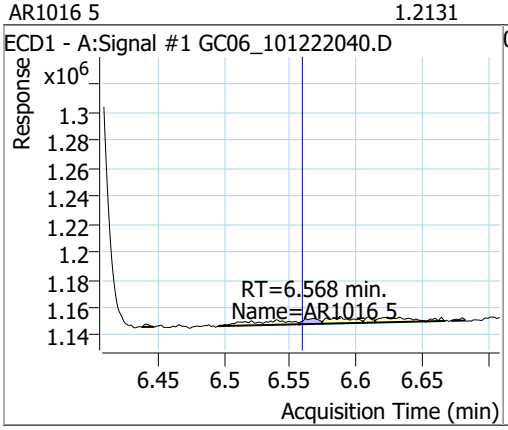
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.3062	6.29	0.11	4609				

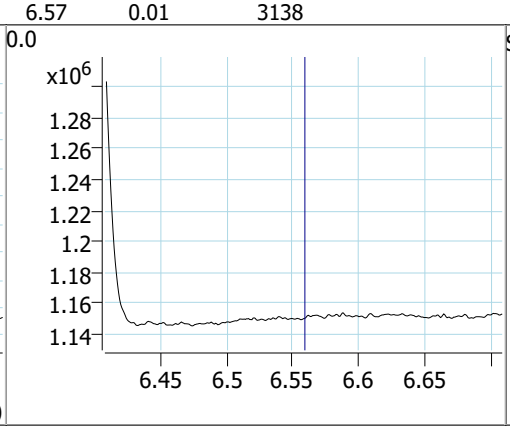


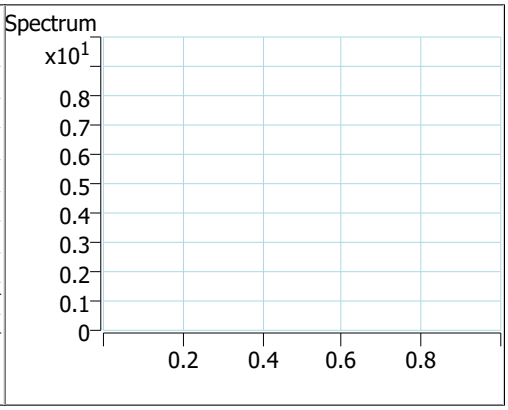




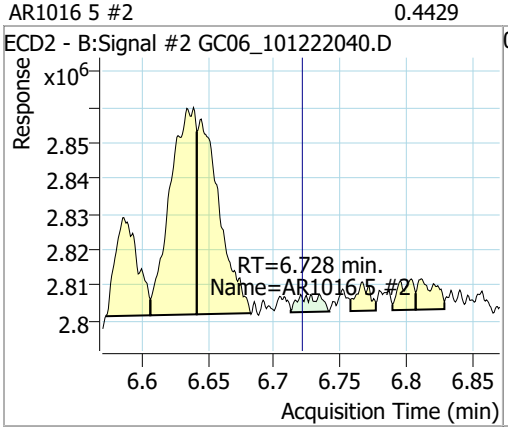
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1.2131	6.57	0.01	3138				

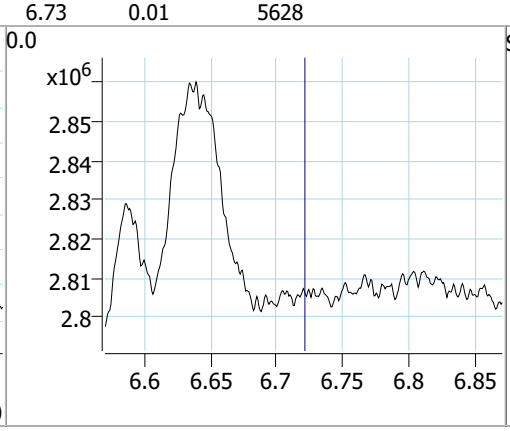


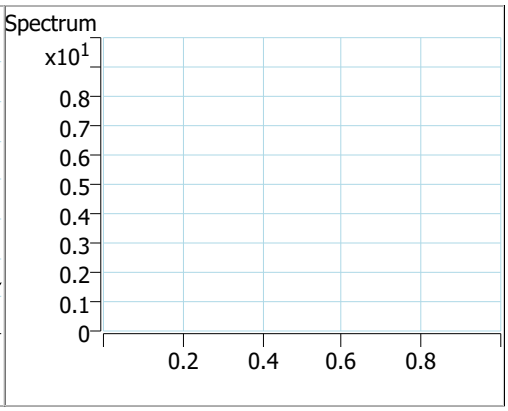




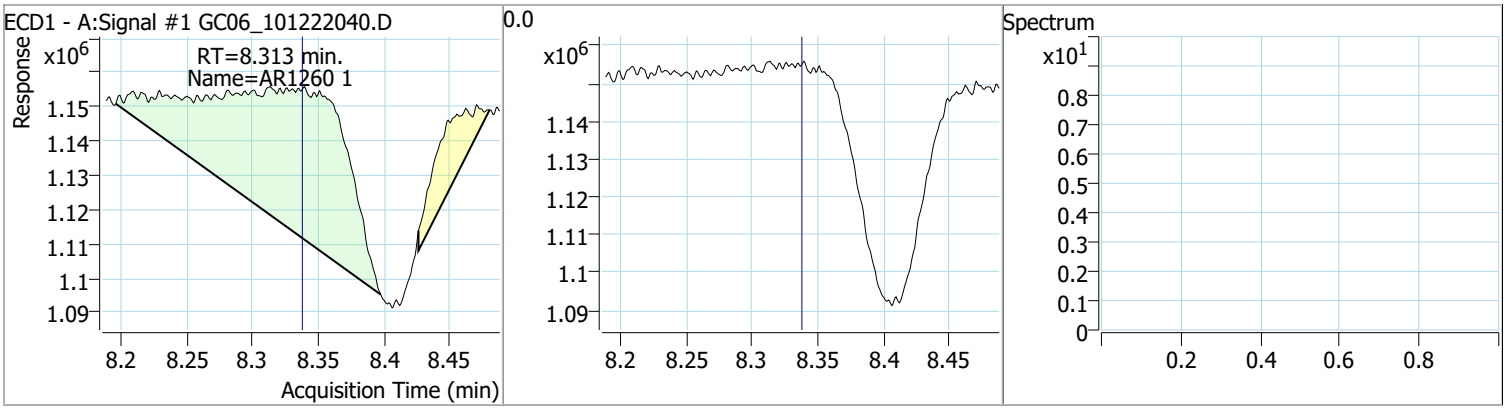
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.4429	6.73	0.01	5628				



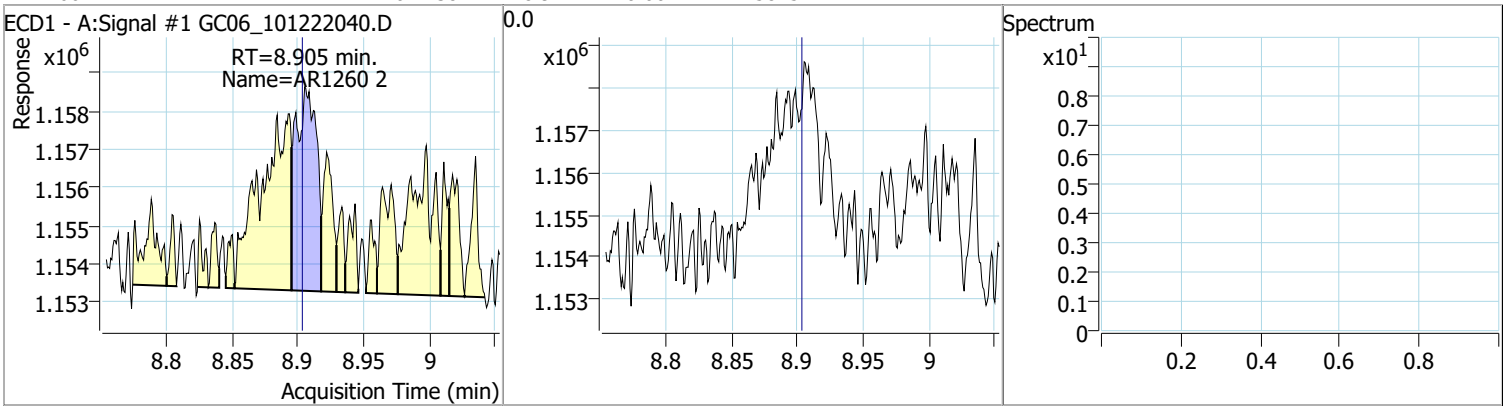




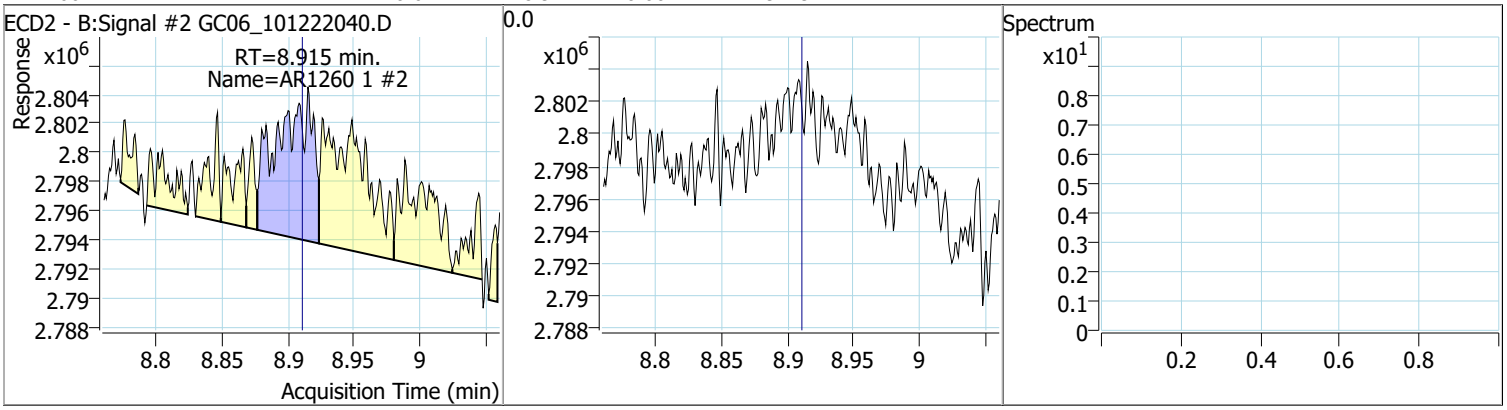
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	59.2154	8.31	-0.03	303059				



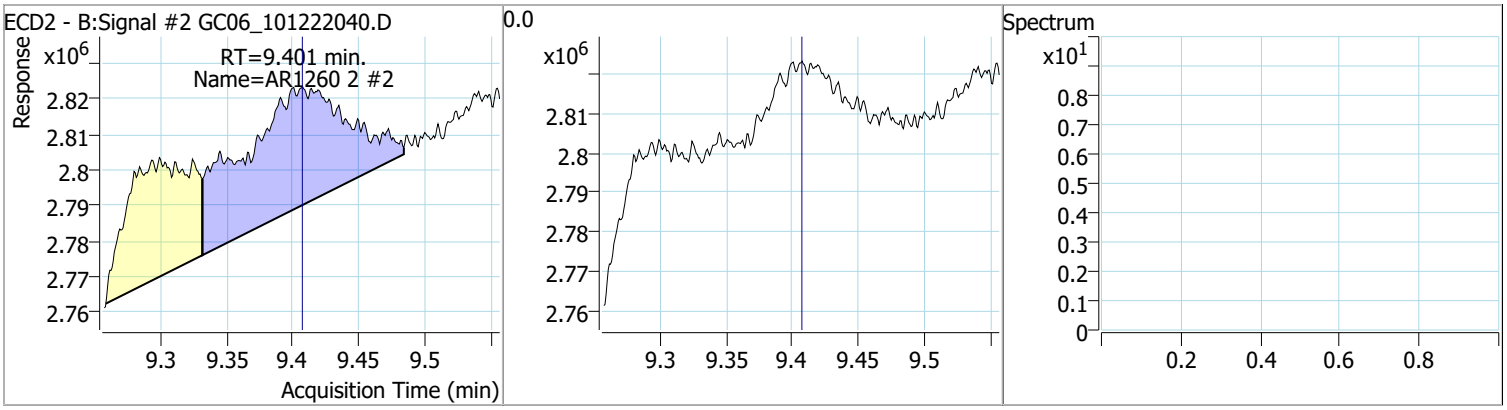
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.7238	8.91	0.00	5845				



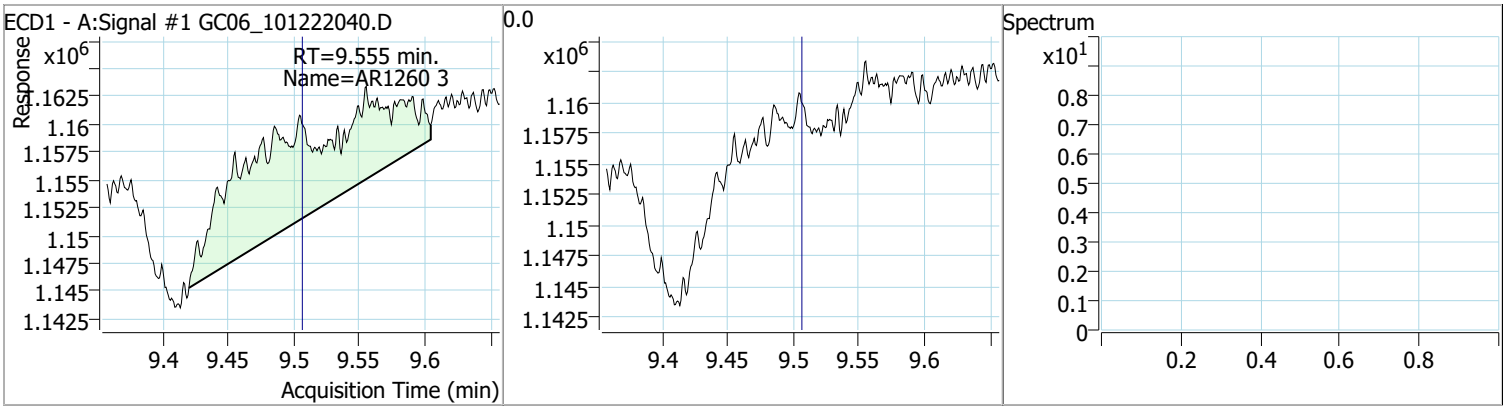
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AR1260 1 #2	0.6712	8.92	0.00	19419				



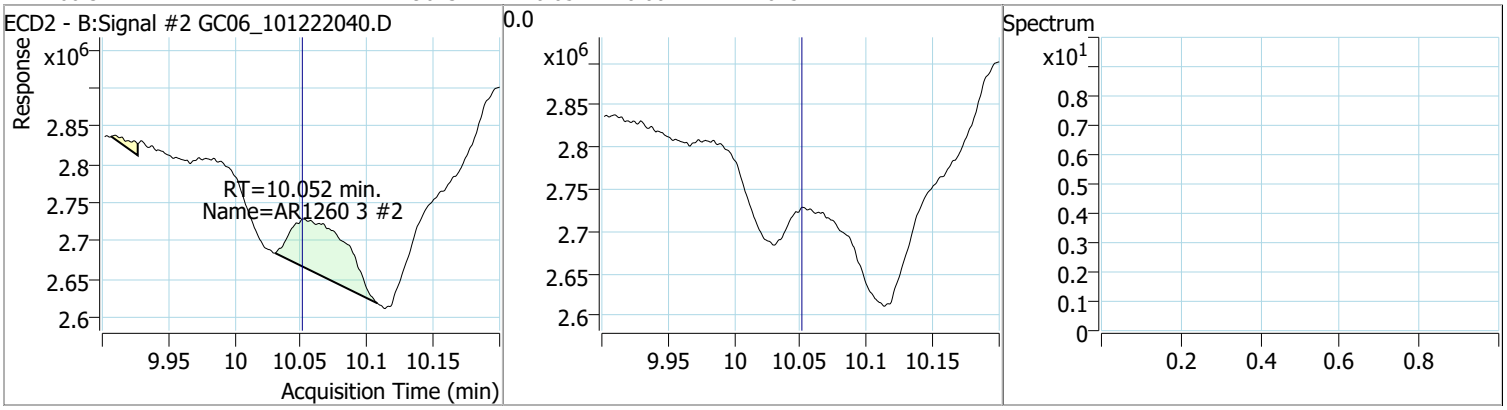
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	6.0001	9.40	-0.01	194864				



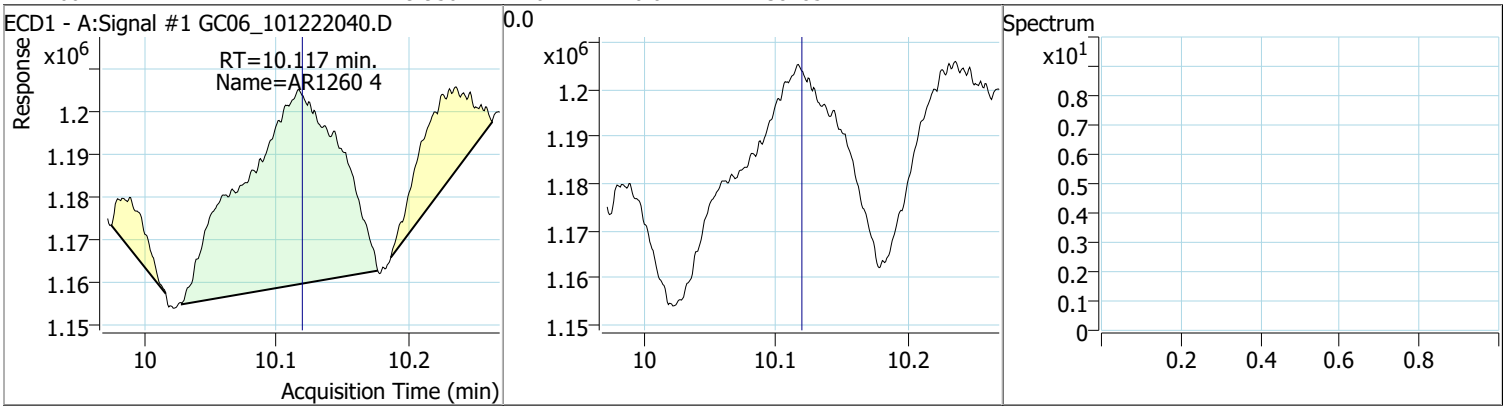
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	7.7943	9.56	0.05	65901				



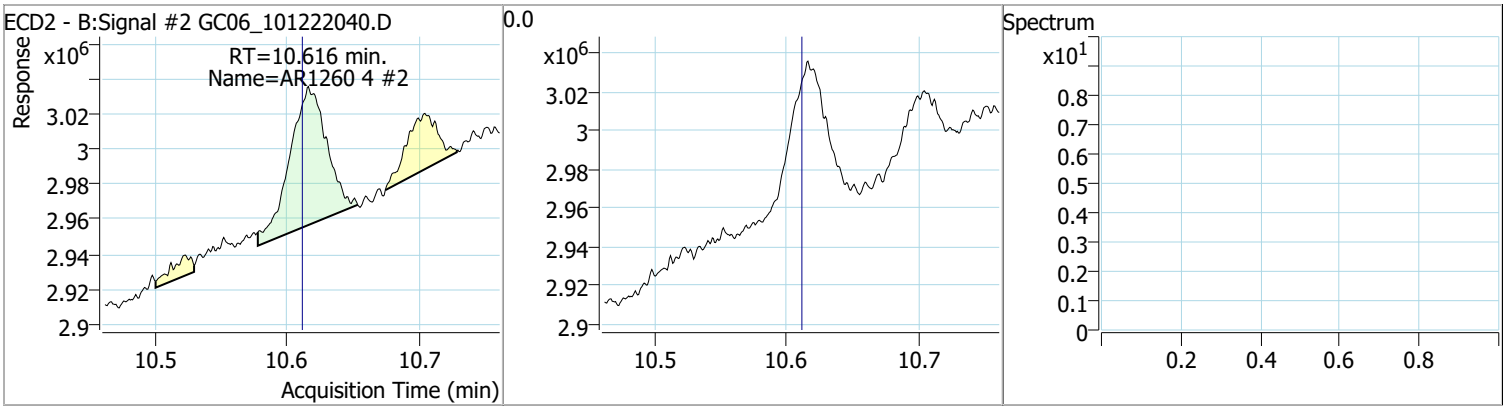
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	4.9673	10.05	0.00	207527				



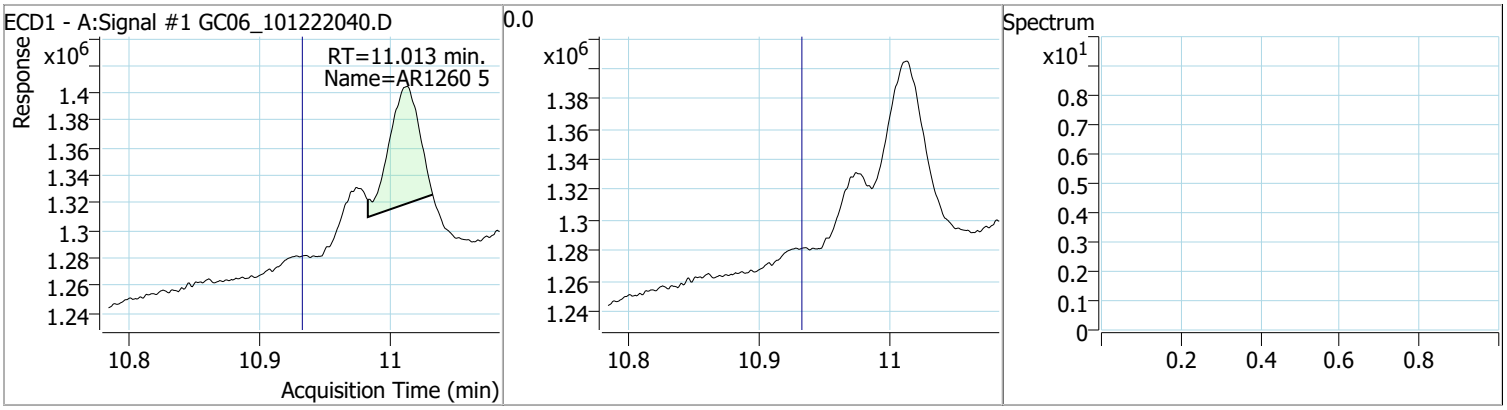
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	49.9567	10.12	-0.01	238285				



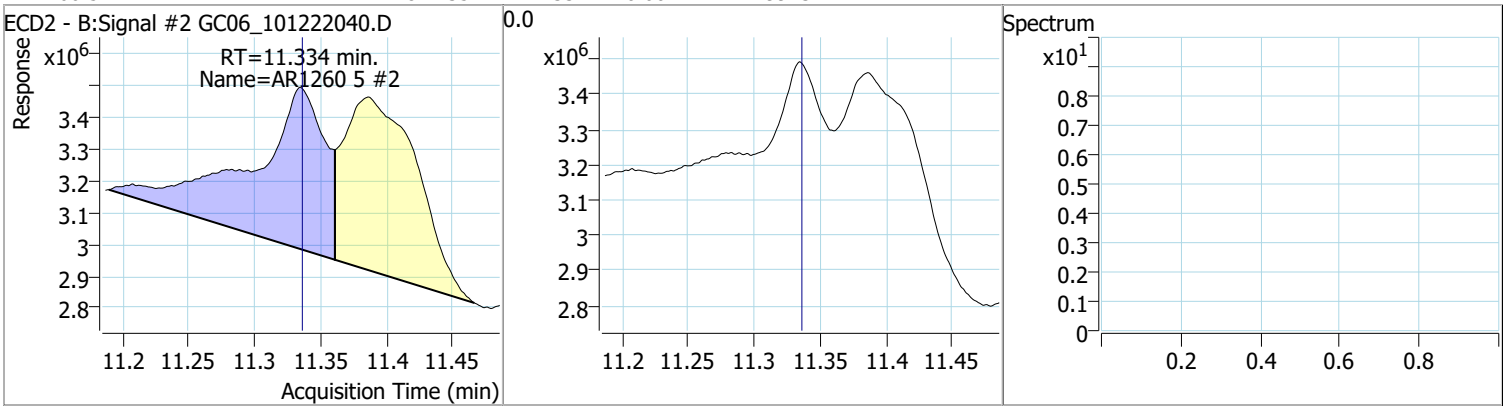
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.5586	10.62	0.00	153699				



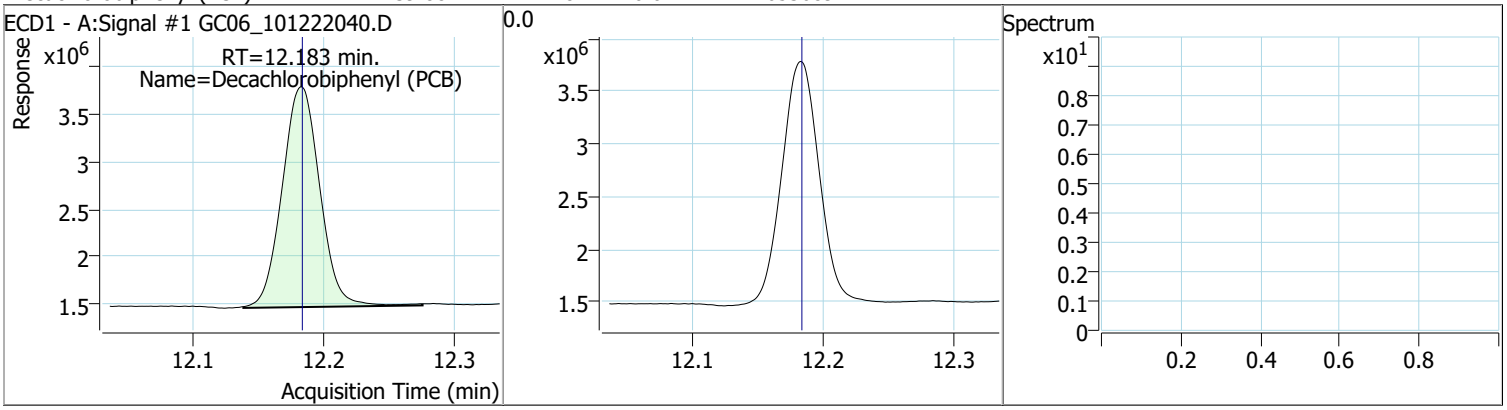
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.0837	11.01	0.08	136325				



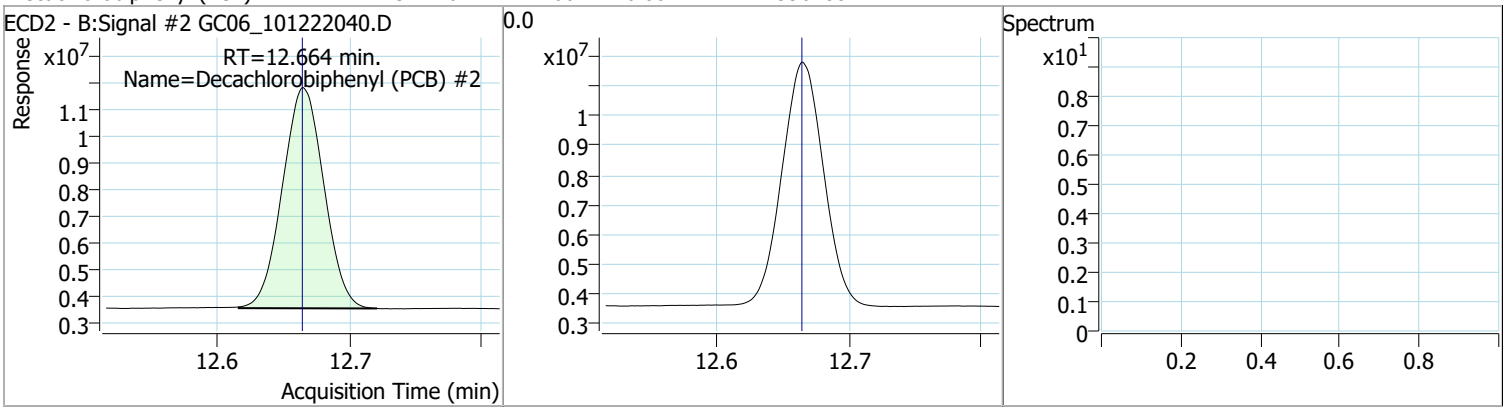
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	48.2735	11.33	0.00	1991322				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.8821	12.18	-0.01	4653689				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.4761	12.66	0.00	17990788				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	470460-004	Client ID:	ARCH-C2W-EXT-1 TO 2-221008-P-WF
Seqnum:	452410975041.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_101222041	Batch:	298736	Time:	12-OCT-2022 20:40
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	452369928002	13.63	ND	1.1	119%	0.50		u
Aroclor-1016 Peak # 1	B	452369928002	6.472	0.13	0.56	125%			
Aroclor-1016 Peak # 2	B	452369928002	18.19	0.36	0.08	125%			
Aroclor-1016 Peak # 3	B	452369928002	28.46	0.57	1.24	74%			
Aroclor-1016 Peak # 4	B	452369928002	6.622	0.13	3.47	185%			
Aroclor-1016 Peak # 5	B	452369928002	8.425	0.17	0.02	154%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	452369928002	20.53	ND	0.70	53%	0.50		u
Aroclor-1260 Peak # 1	B	452369928002	2.124	0.04	1.33	188%			
Aroclor-1260 Peak # 2	B	452369928002	10.87	0.22	0.10	77%			
Aroclor-1260 Peak # 3	B	452369928002	5.937	0.12	0.20	50%			
Aroclor-1260 Peak # 4	B	452369928002	15.67	0.31	1.28	121%			
Aroclor-1260 Peak # 5	B	452369928002	68.06	1.36	0.62	75%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B	452410975002	9.616	ND	0.12	48%	0.50		?v l u
Aroclor-1268 Peak # 1	B	452410975002	98.11	1.96 [omit]	1.15 [omit]	52%			
Aroclor-1268 Peak # 2	B	452410975002	24.82	0.50 [omit]	1.71 [omit]	110%			
Aroclor-1268 Peak # 3	B	452410975002	22.39	0.45	0.22	67%			
Aroclor-1268 Peak # 4	B	452410975002	2.605	0.05	0.07	33%			
Aroclor-1268 Peak # 5	B	452410975002	3.852	0.08	0.06	27%			

Surrogate	Ch	Cal	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	452369928002	36.51	1.000	0.7302	73	52-186	u
Decachlorobiphenyl (PCB)	B	452369928002	33.93	1.000	0.6787	68	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9052455	7615403	-15.87
1-bromo-2-nitrobenzene (PCB)	A	1846693	1514931	-17.97

ISTD (ICAL gc06_101222005)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	11871428	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2416508	**???**	**-100.00 ***

ISTD (ICAL gc06_101222007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	7925274	7603720	-4.06
1-bromo-2-nitrobenzene (1268)	A	1655647	1513720	-8.57

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_101222005)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	3.92	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.11	**???**	

ISTD (ICAL gc06_101222007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (1268)	A	4.11	4.11	0.00

TRN 10/19/22 [Aroclor-1016 Peak # 4 B]: Picked or reassigned peak for Ch. B.

LW 10/20/22 : 1268 1B, 2A, and 3B have significant interference and without peak 1 it is below the RL.

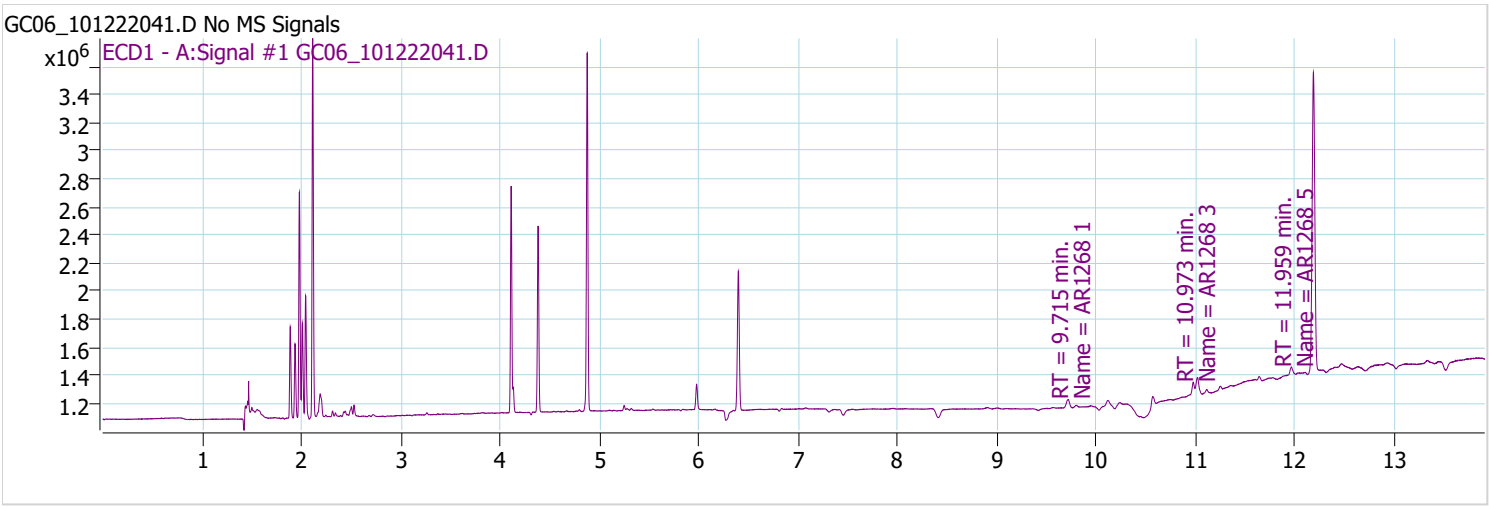
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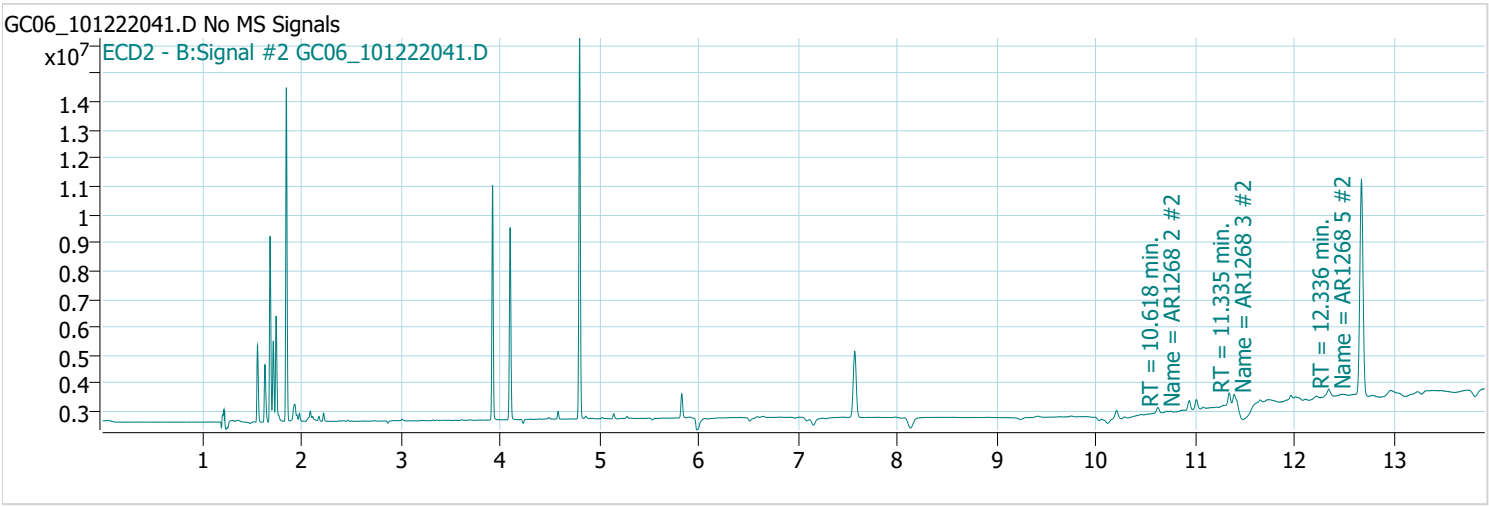
Analyst: TRN 10/19/22 *

Reviewer: LW 10/20/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_101222041.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 8:40:03 PM
Sample Name	470460-004, 298736, 1	Instrument	SVOA-GC06
Vial	30	Multiplier	1.00
DA Method File	PCB_AR1268_101222_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222ar1268.batch.bin	Last Calib Update	10/14/2022 6:34:16 PM
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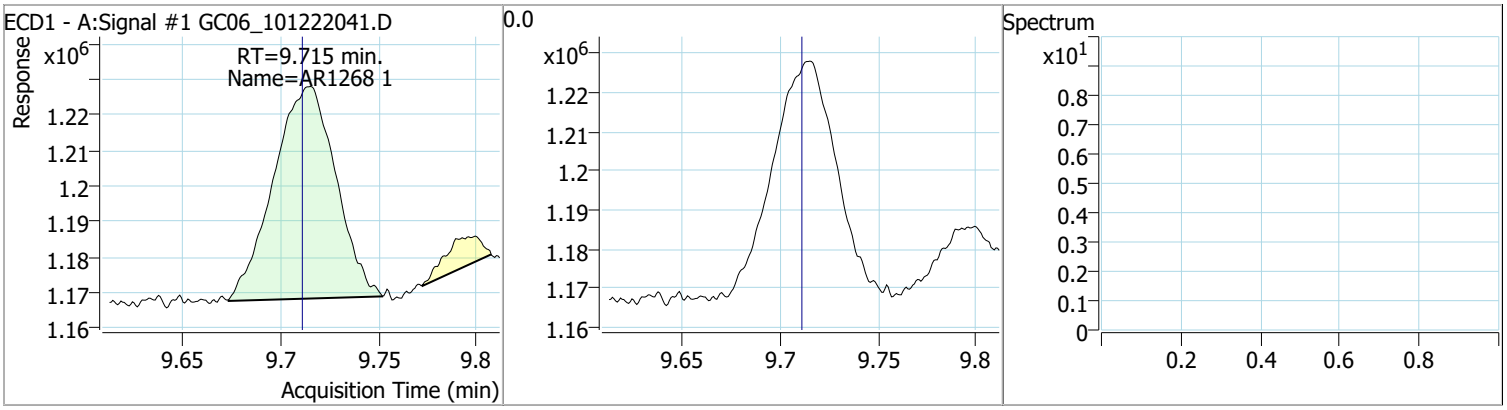


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (1268) #2	3.923	0.0	7603719.957	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (1268)	4.111	0.0	1513719.612	20.0000	ng/ml		-0.001
System Monitoring Compounds							
Target Compounds							**QValue**
T AR1268 1	9.715	0.0	132967.660	57.5300	ng/ml		100
T AR1268 2	10.115	0.0	266274.233	85.5552	ng/ml		100
T AR1268 1 #2	10.203	0.0	1160125.324	98.1070	ng/ml		100
T AR1268 2 #2	10.618	0.0	388174.307	24.8200	ng/ml		100
T Aroclor-1268	10.802	0.0	141138.176	10.2530	ng/ml		
T AR1268 3	10.973	0.0	152843.945	11.1688	ng/ml		100
T AR1268 4	11.248	0.0	39499.156	3.6492	ng/ml		100
T AR1268 3 #2	11.335	0.0	1489825.075	22.3896	ng/ml		100
T AR1268 4 #2	11.645	0.0	134200.025	2.6052	ng/ml	m	100

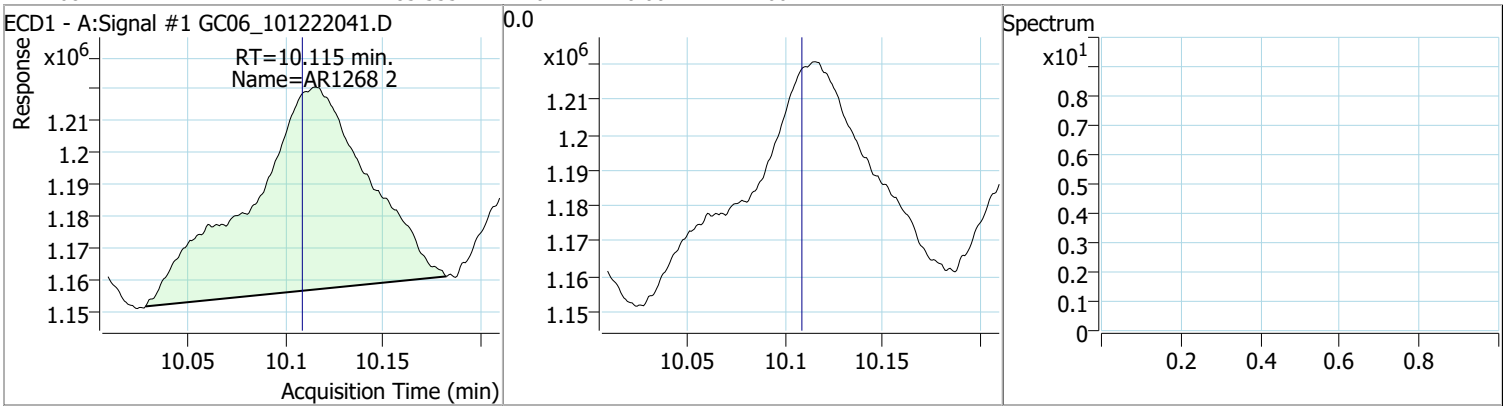
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T Aroclor-1268 #2	11.227	0.0	769763.962	11.9856	ng/ml	m	
T AR1268 5	11.959	0.0	114105.883	2.9337	ng/ml		100
T AR1268 5 #2	12.336	0.0	676495.081	3.8524	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

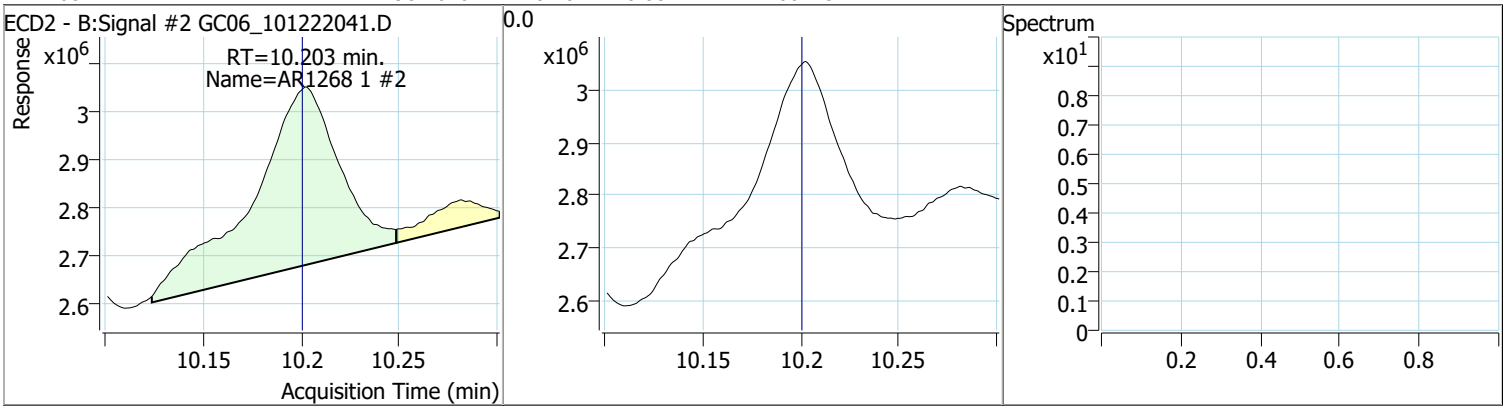
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	57.5300	9.72	0.00	132968				



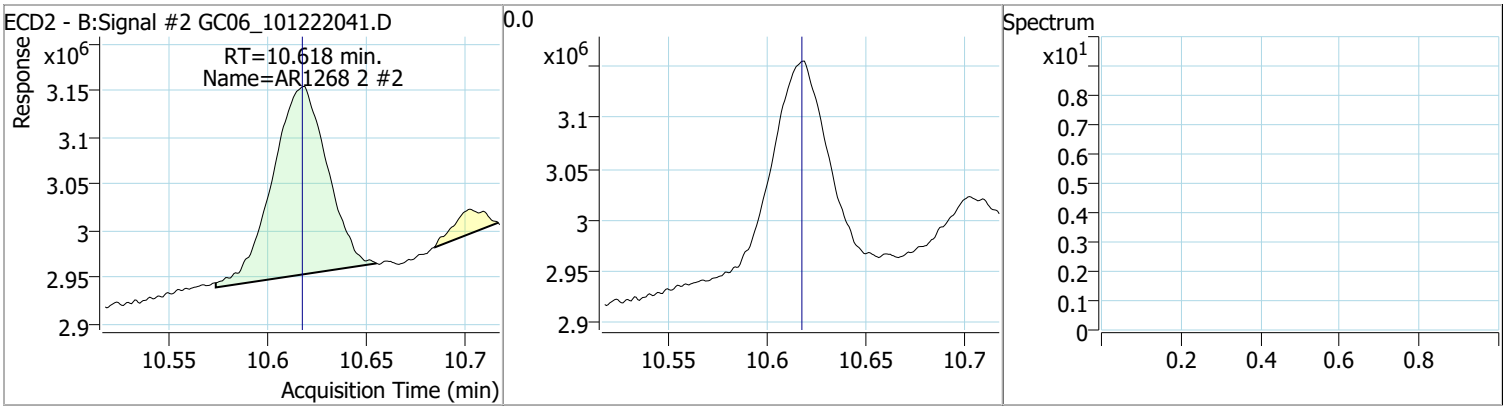
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	85.5552	10.12	0.00	266274				



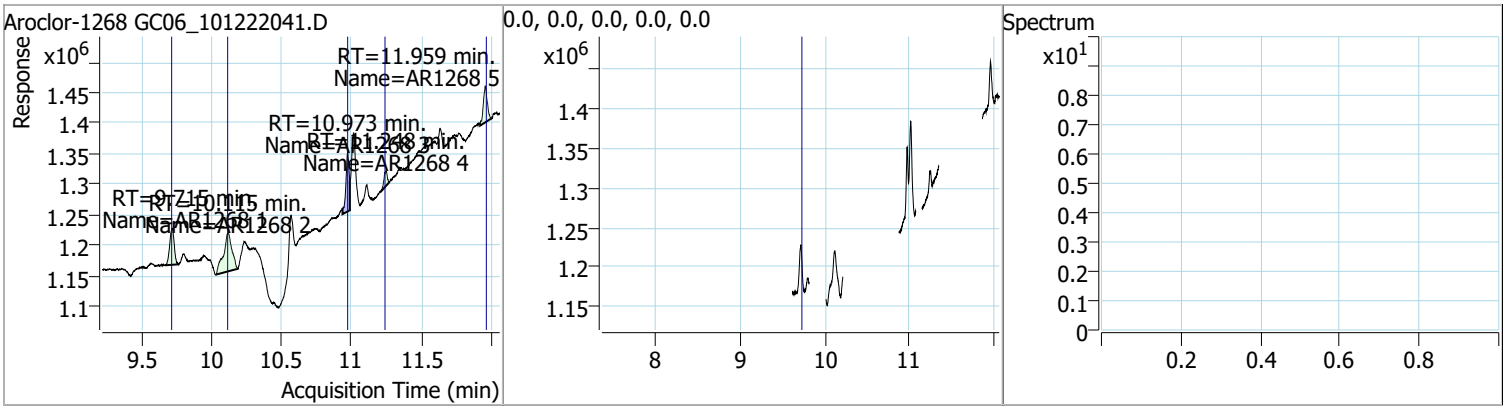
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	98.1070	10.20	0.00	1160125				



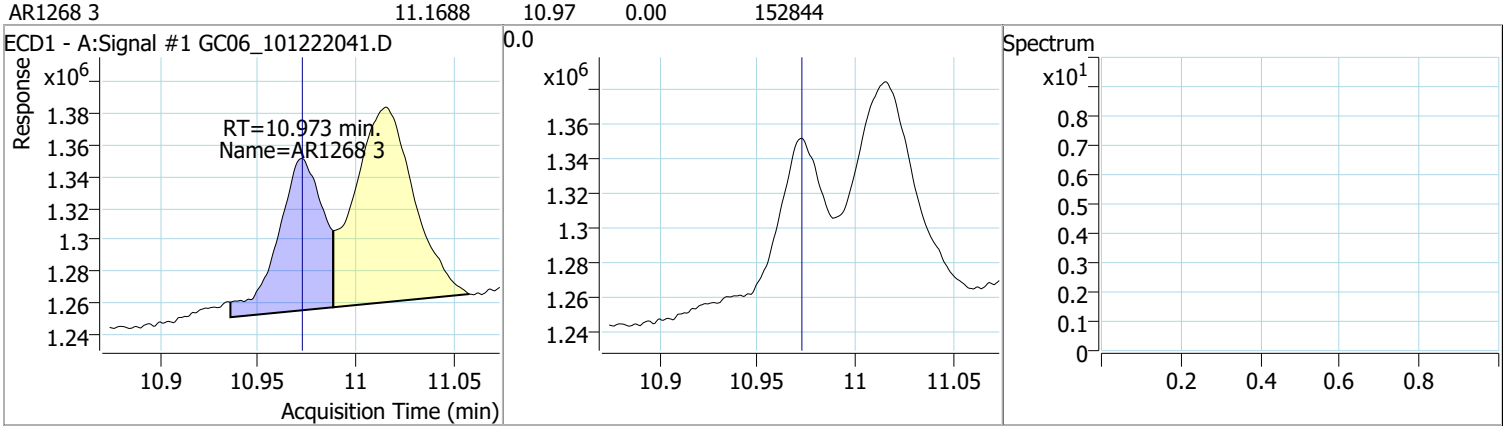
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	24.8200	10.62	0.00	388174				



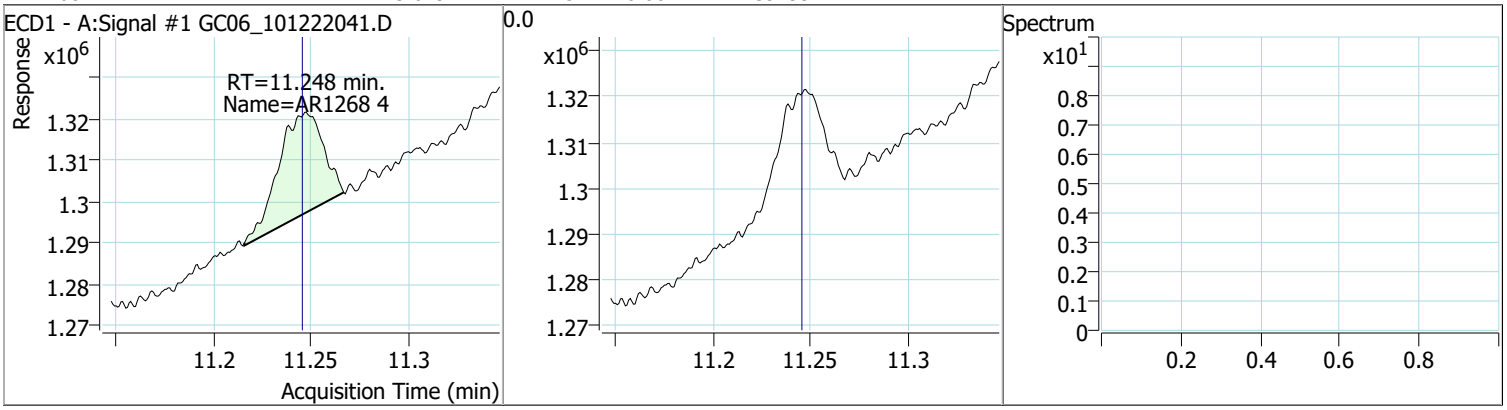
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	10.2530	10.80	0.16	141138				



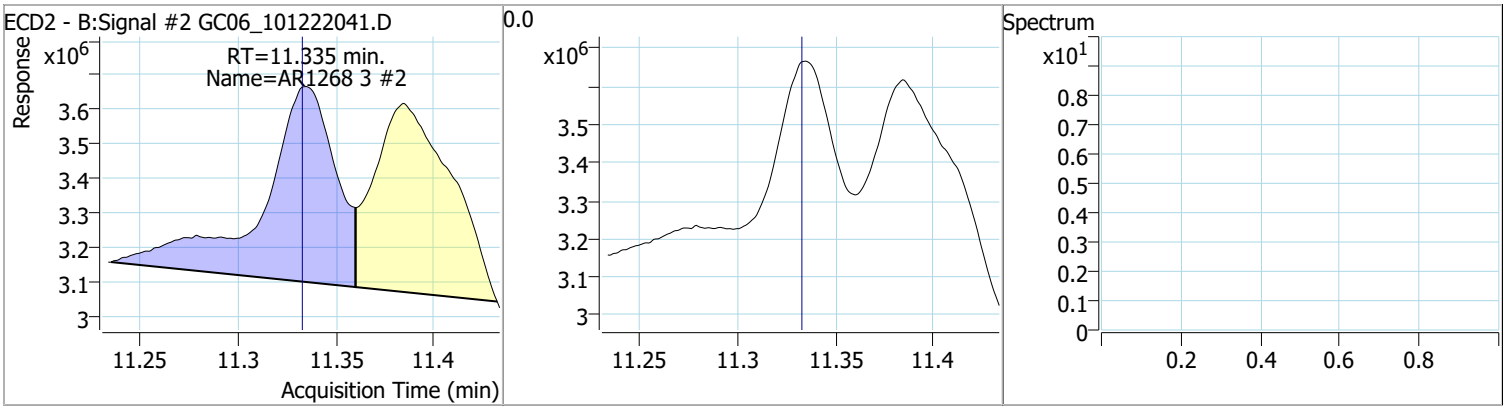
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	11.1688	10.97	0.00	152844				



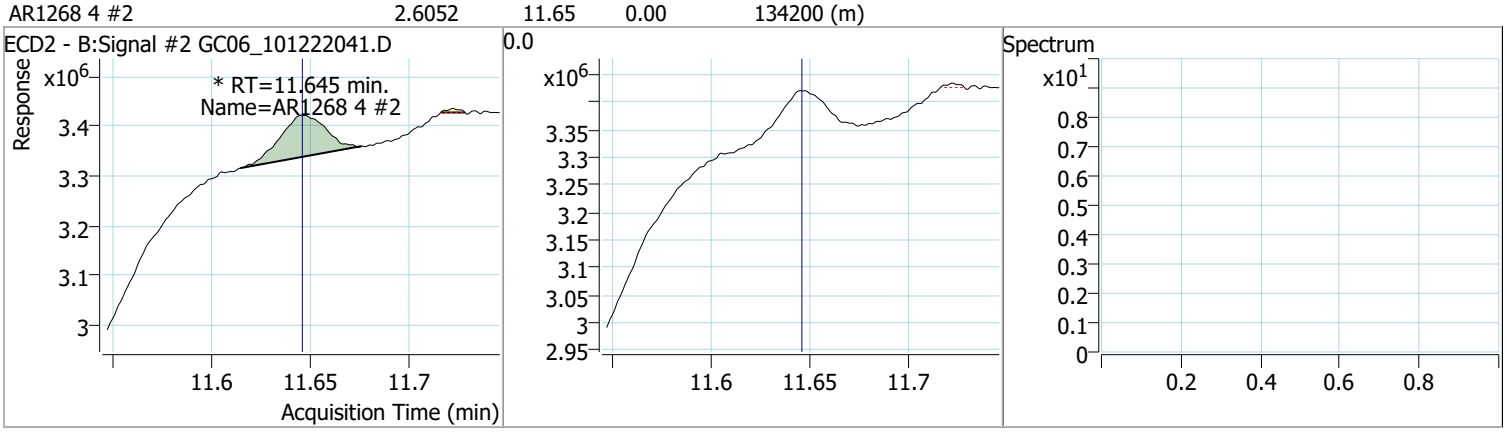
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	3.6492	11.25	0.00	39499				



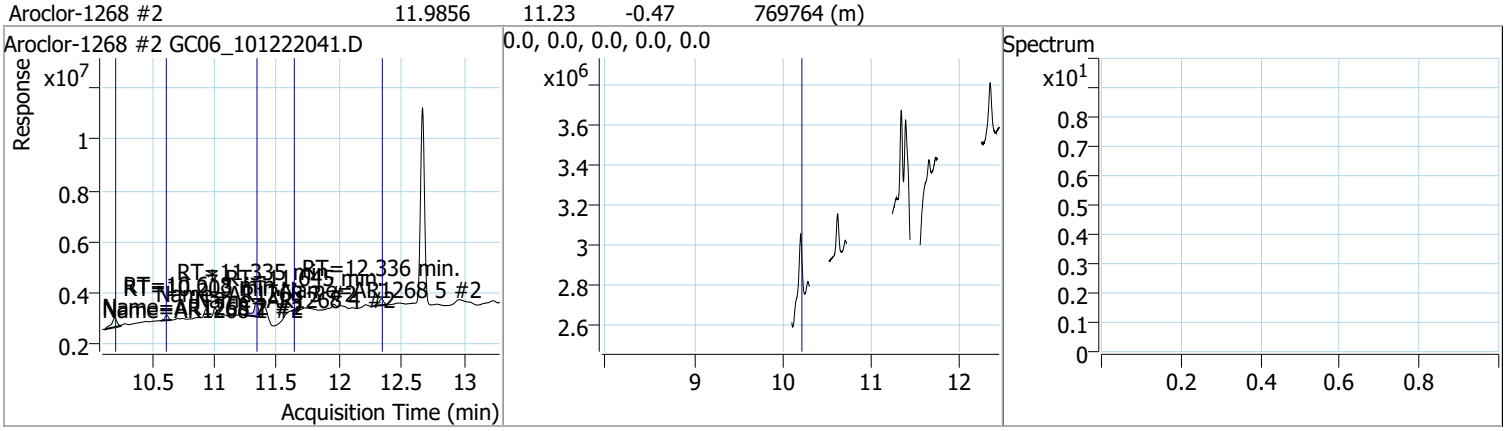
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	22.3896	11.34	0.00	1489825				



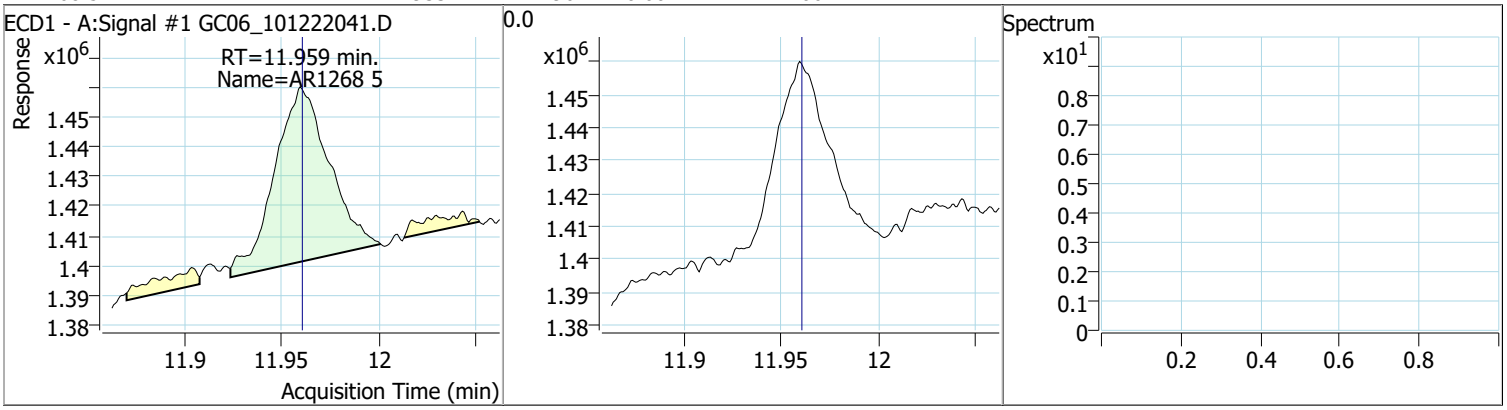
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	2.6052	11.65	0.00	134200 (m)				



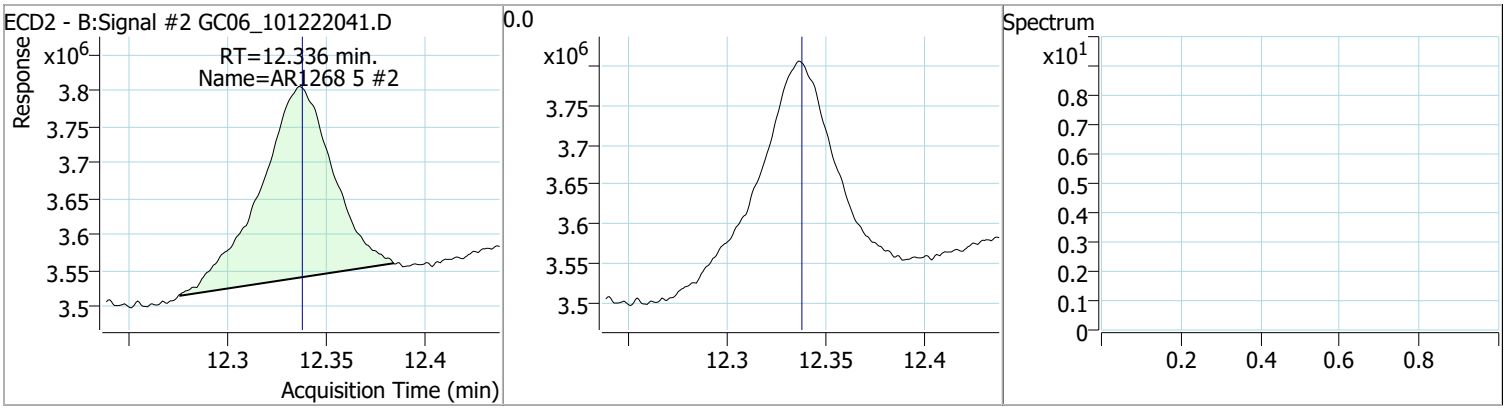
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	11.9856	11.23	-0.47	769764 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	2.9337	11.96	0.00	114106				

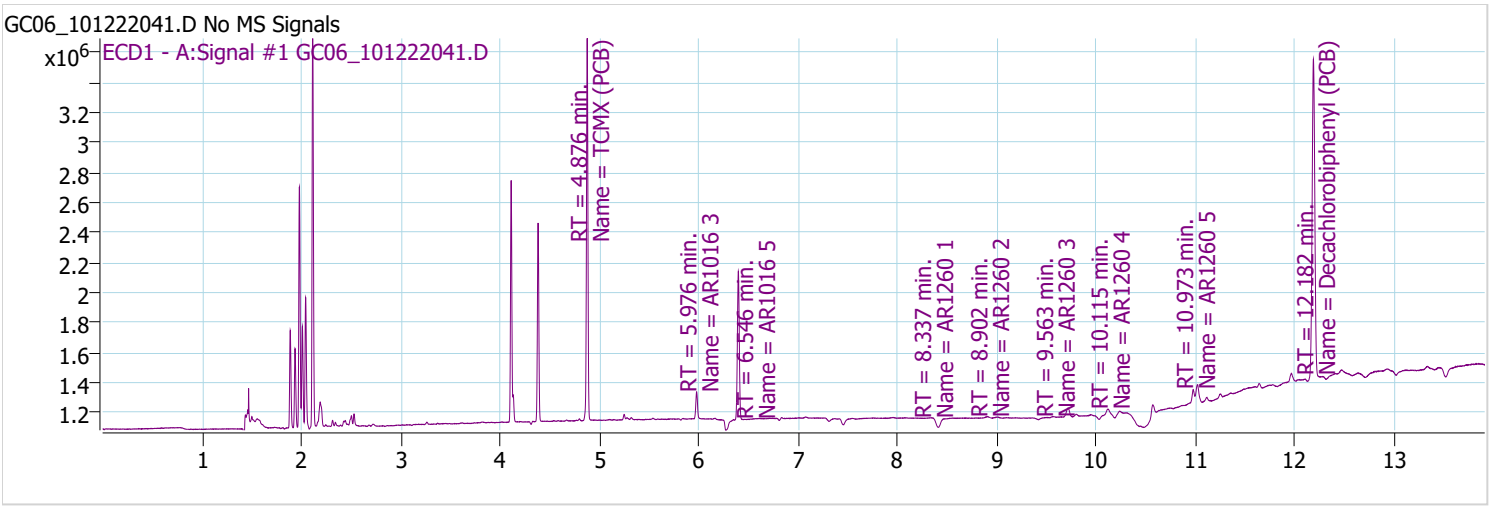


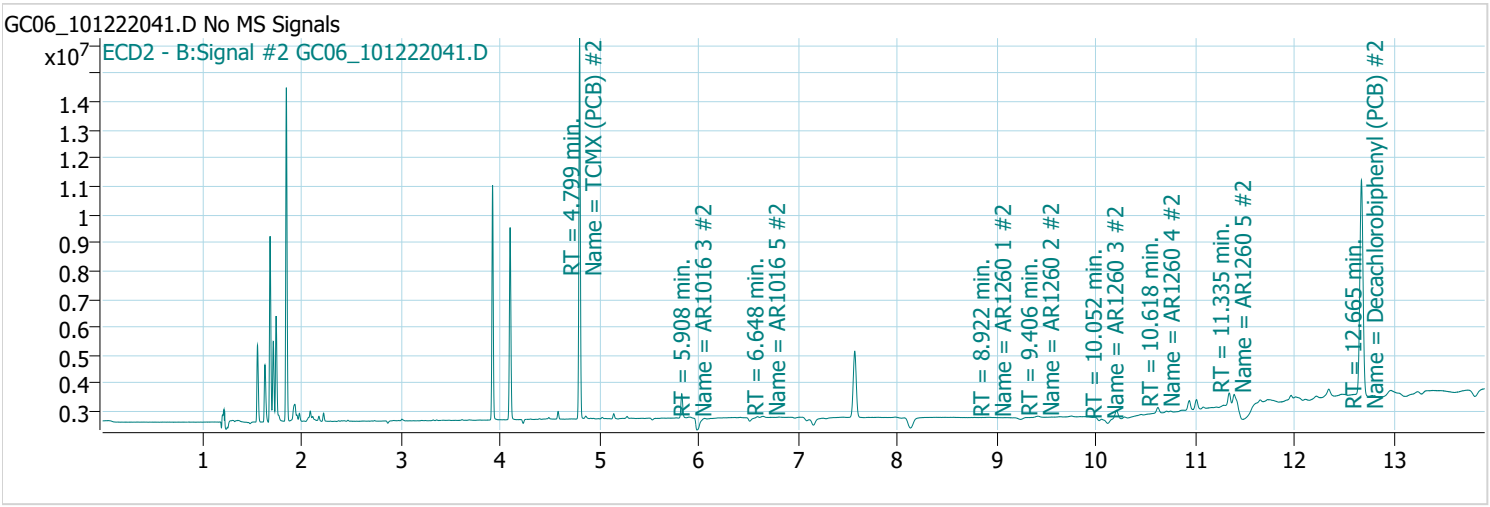
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	3.8524	12.34	0.00	676495				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101222041.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 8:40:03 PM
Sample Name	470460-004, 298736, 1	Instrument	SVOA-GC06
Vial	30	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222_pcb.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



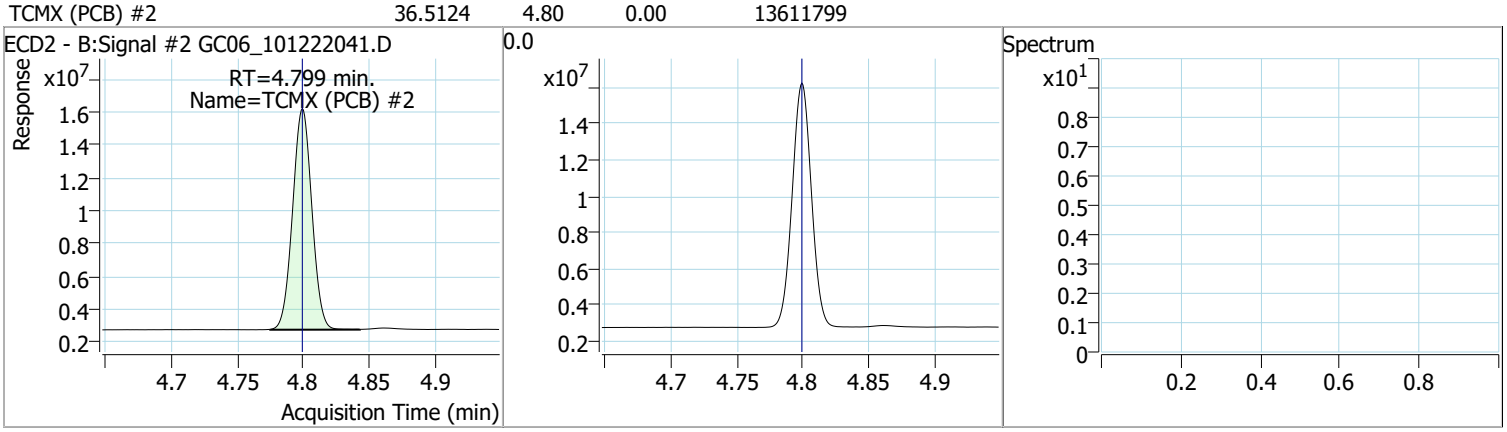


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.923	0.0	7615402.651	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.111	0.0	1514930.664	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.799	0.0	13611798.722	36.5124	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.56%		*	
S TCMX (PCB)	4.876	0.0	2610111.436	36.1712	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.86%		*	
S Decachlorobiphenyl (PCB)	12.182	0.0	4122142.118	40.5702	ng/ml		-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.85%		*	
S Decachlorobiphenyl (PCB) #2	12.665	0.0	17142640.766	33.9353	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.68%		*	
Target Compounds							QValue

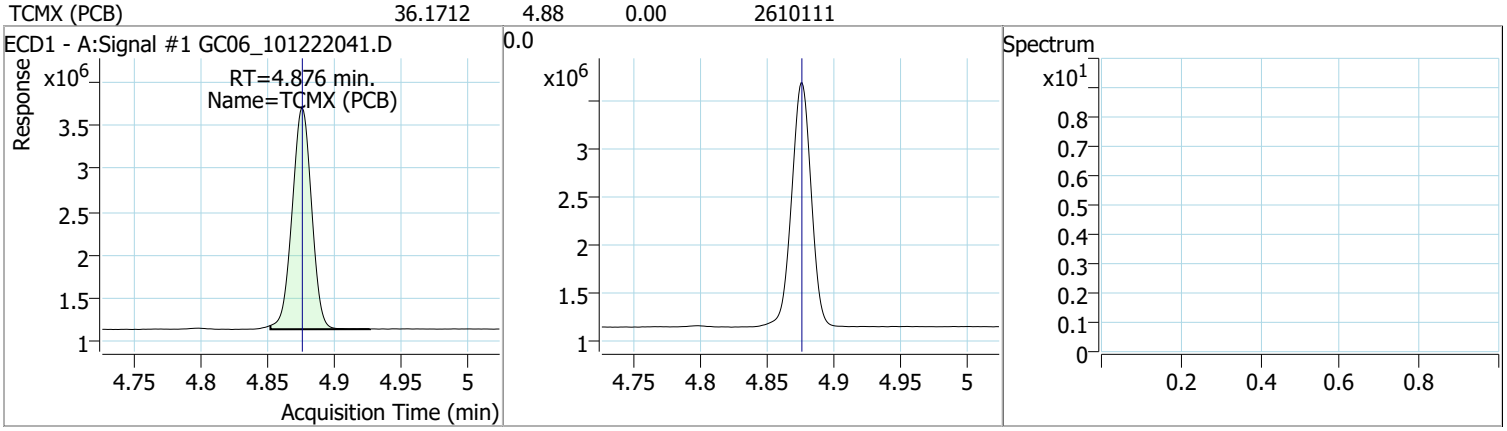
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.247	0.0	41327.095	27.8279	ng/ml	100
T AR1016 1 #2	5.229	0.0	49547.415	6.4724	ng/ml	100
T AR1016 2	5.538	0.0	13401.697	4.2219	ng/ml	100
T AR1016 2 #2	5.698	0.0	290437.682	18.1912	ng/ml	100
T AR1016 3	5.976	0.0	231828.017	61.9543	ng/ml	100
T AR1016 3 #2	5.908	0.0	591116.201	28.4568	ng/ml	100
T AR1016 4	6.165	0.0	488888.725	173.5815	ng/ml	100
T AR1016 4 #2	6.250	0.0	90894.876	6.6225	ng/ml	100
T AR1016 5	6.546	0.0	2489.461	1.1053	ng/ml	100
T AR1016 5 #2	6.648	0.0	97634.048	8.4252	ng/ml	100
T AR1260 1	8.337	0.0	296194.490	66.4641	ng/ml	100
T AR1260 2	8.902	0.0	34079.199	4.8465	ng/ml	100
T AR1260 1 #2	8.922	0.0	56021.492	2.1236	ng/ml	100
T AR1260 2 #2	9.406	0.0	321972.494	10.8719	ng/ml	100
T AR1260 3	9.563	0.0	73240.942	9.9481	ng/ml	100
T AR1260 3 #2	10.052	0.0	226193.942	5.9373	ng/ml	100
T AR1260 4	10.115	0.0	265375.360	63.8940	ng/ml	100
T AR1260 4 #2	10.618	0.0	395104.339	15.6699	ng/ml	100
T AR1260 5	10.973	0.0	158837.204	30.8877	ng/ml	100
T AR1260 5 #2	11.335	0.0	2560253.419	68.0631	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

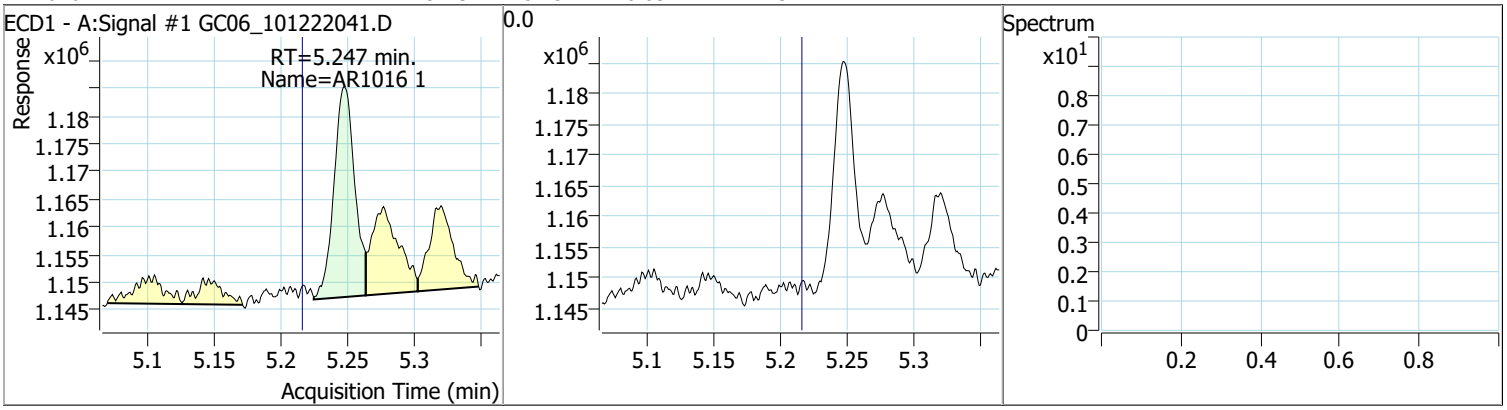
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.5124	4.80	0.00	13611799				



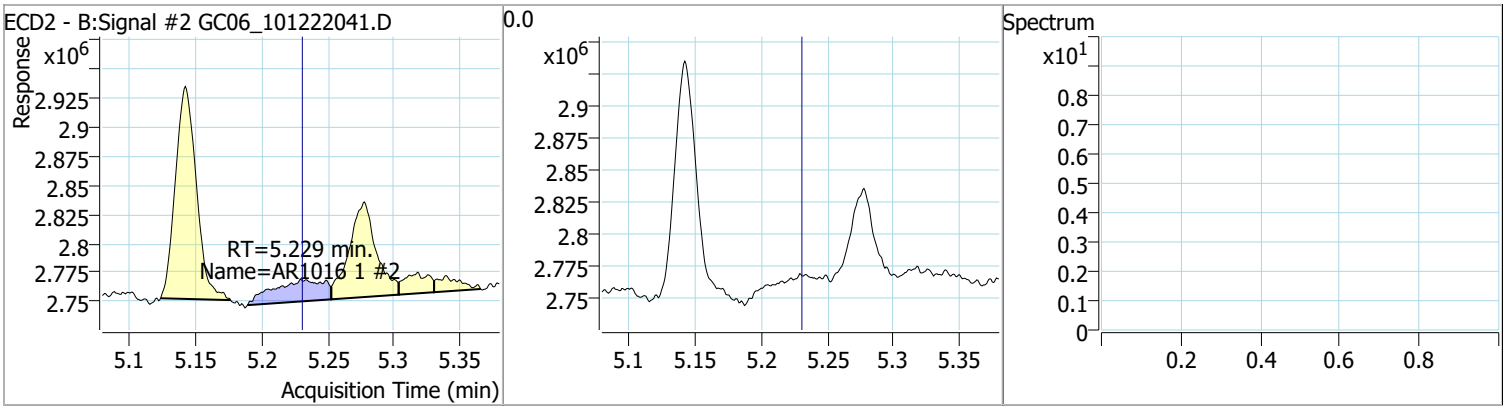
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.1712	4.88	0.00	2610111				



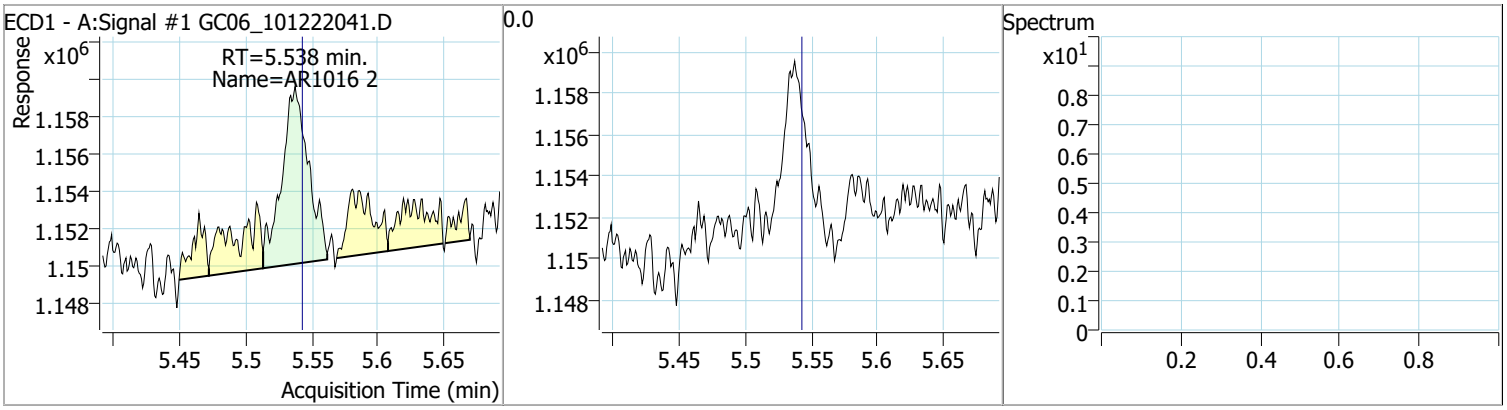
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	27.8279	5.25	0.03	41327				



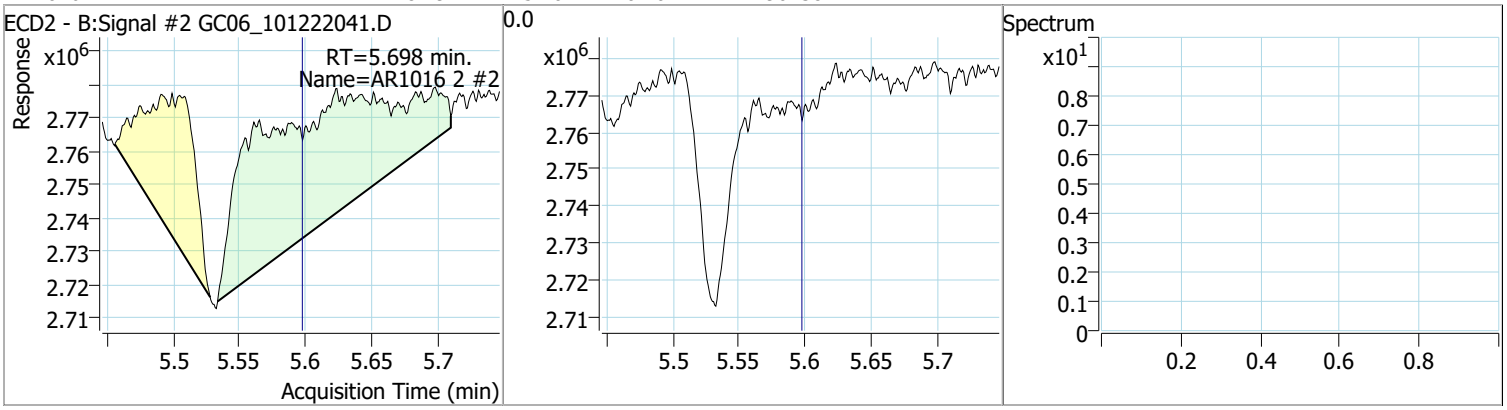
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	6.4724	5.23	0.00	49547				



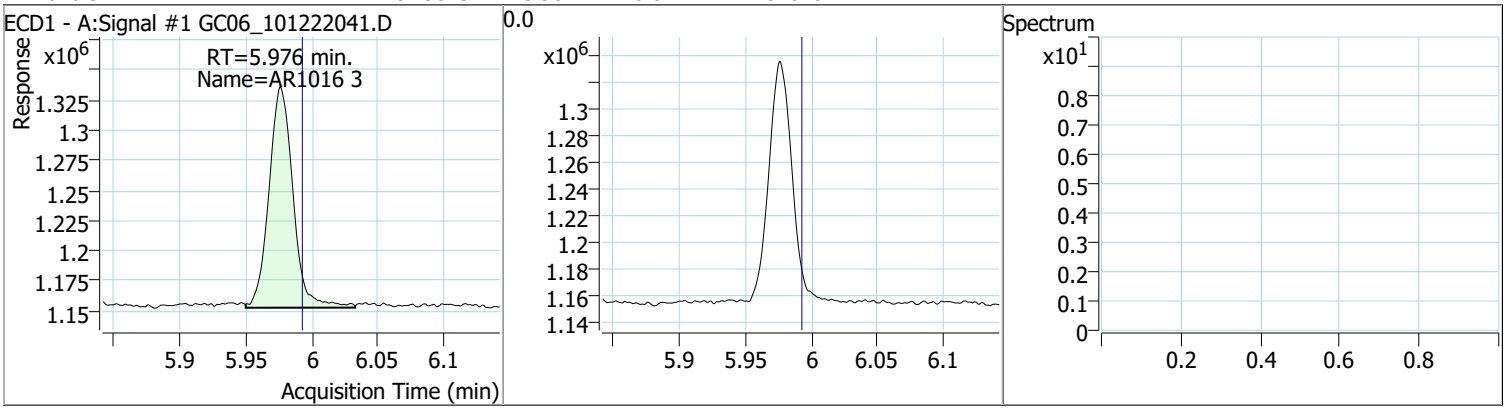
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	4.2219	5.54	-0.01	13402				



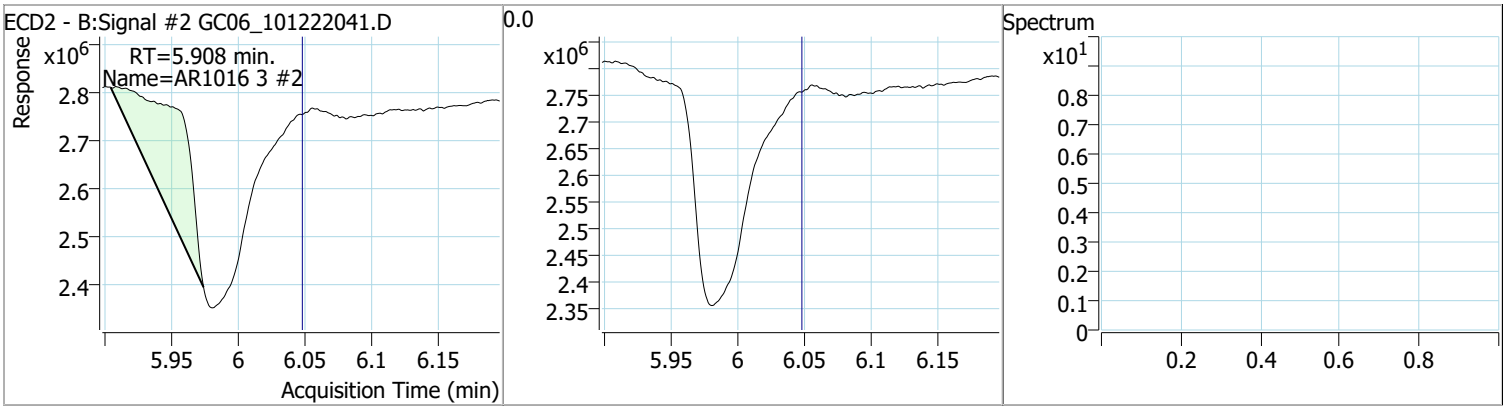
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	18.1912	5.70	0.10	290438				



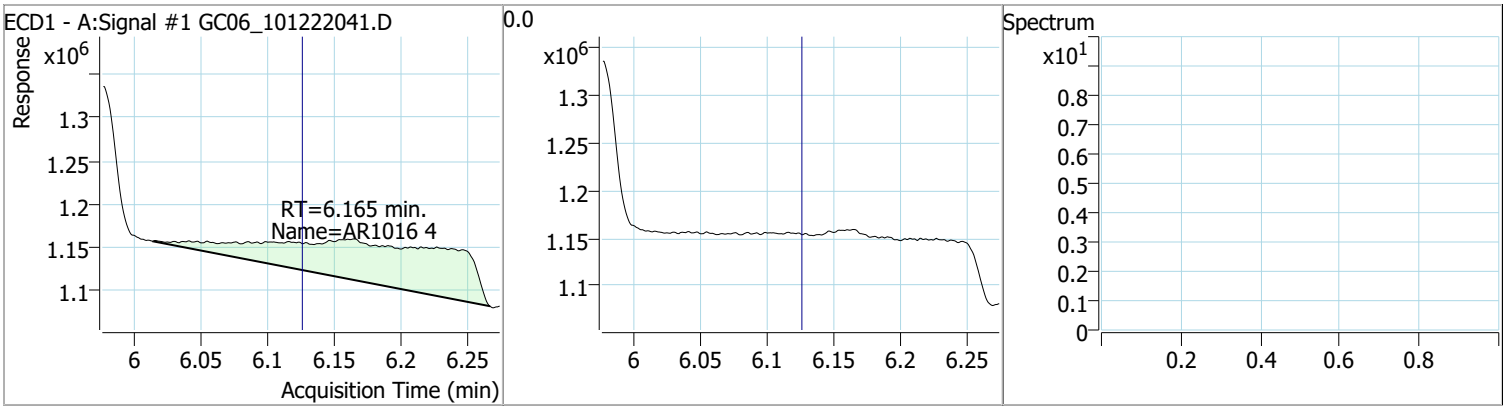
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	61.9543	5.98	-0.02	231828				



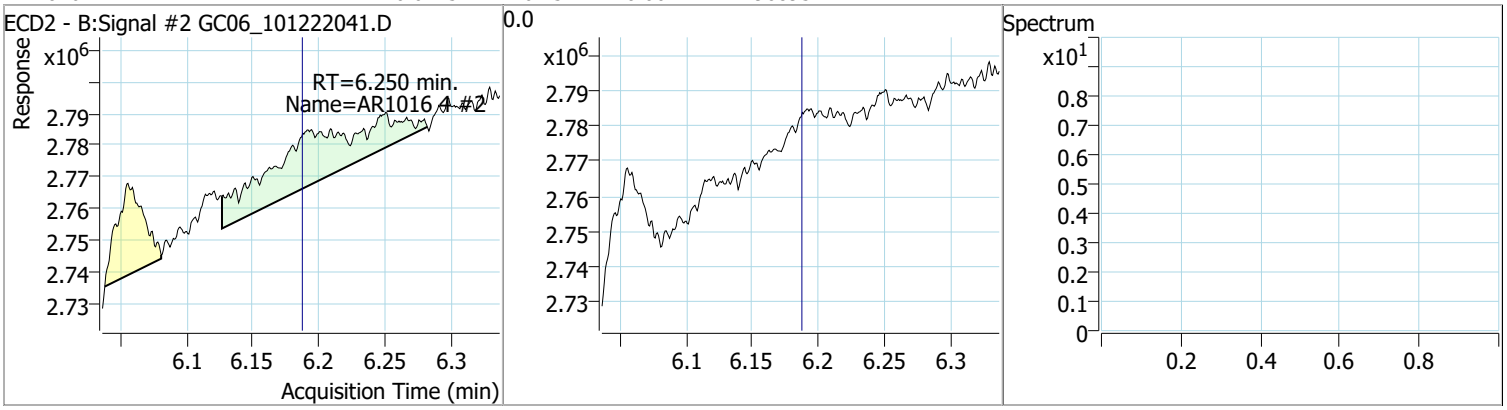
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	28.4568	5.91	-0.14	591116				



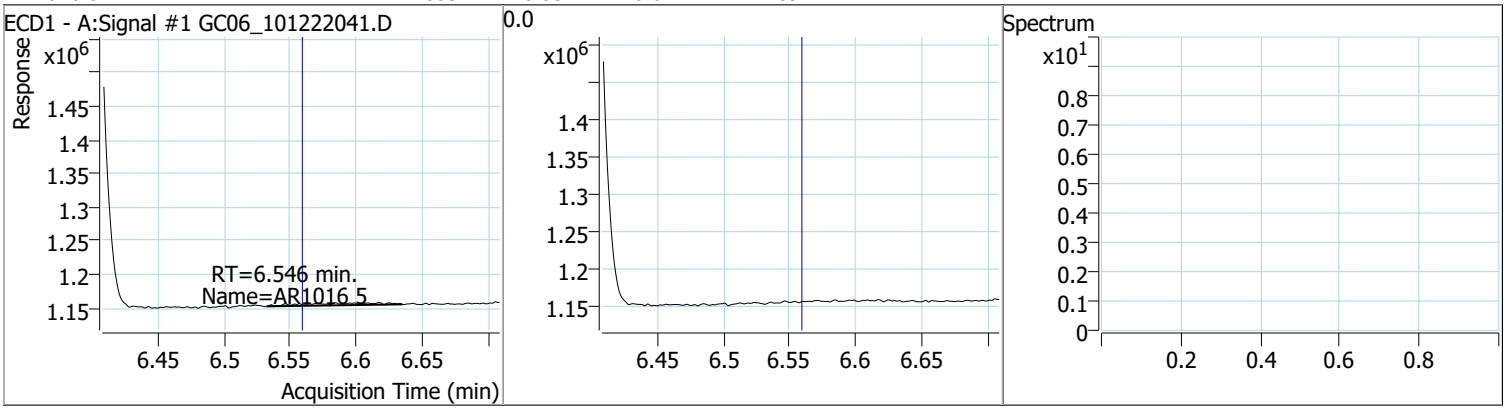
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	173.5815	6.17	0.04	488889				



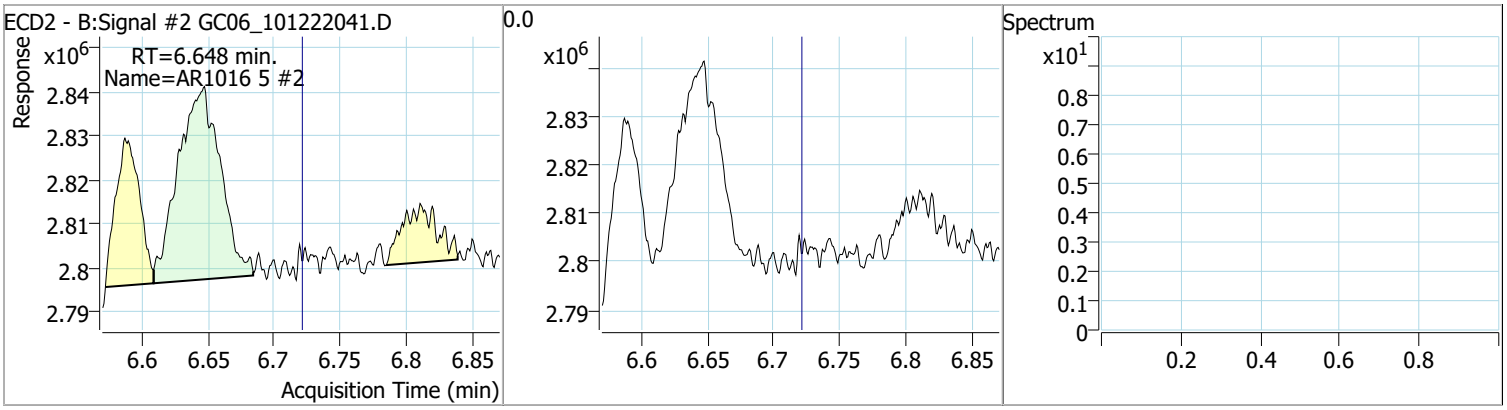
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	6.6225	6.25	0.06	90895				



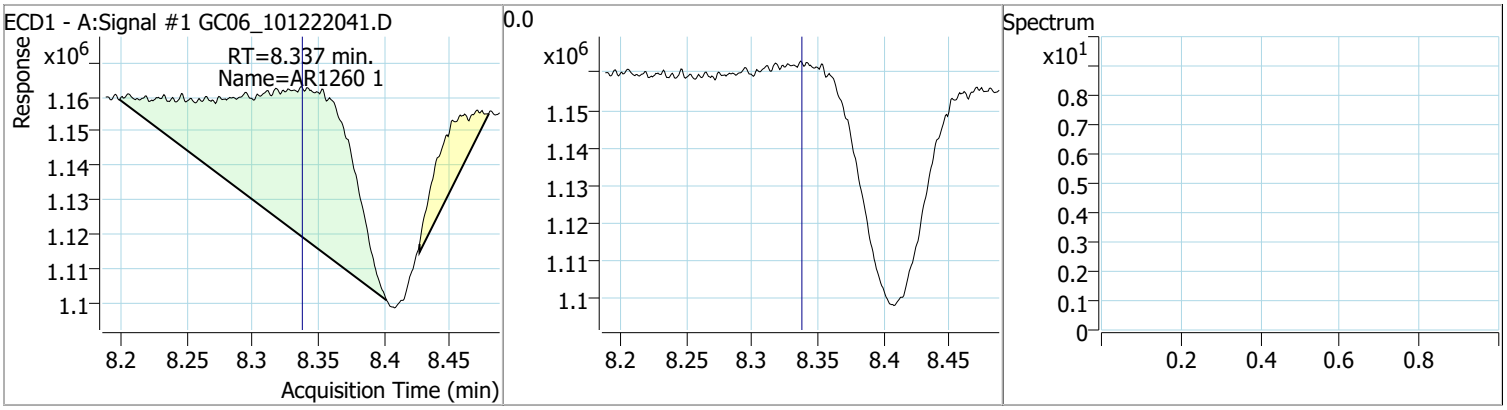
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1.1053	6.55	-0.02	2489				



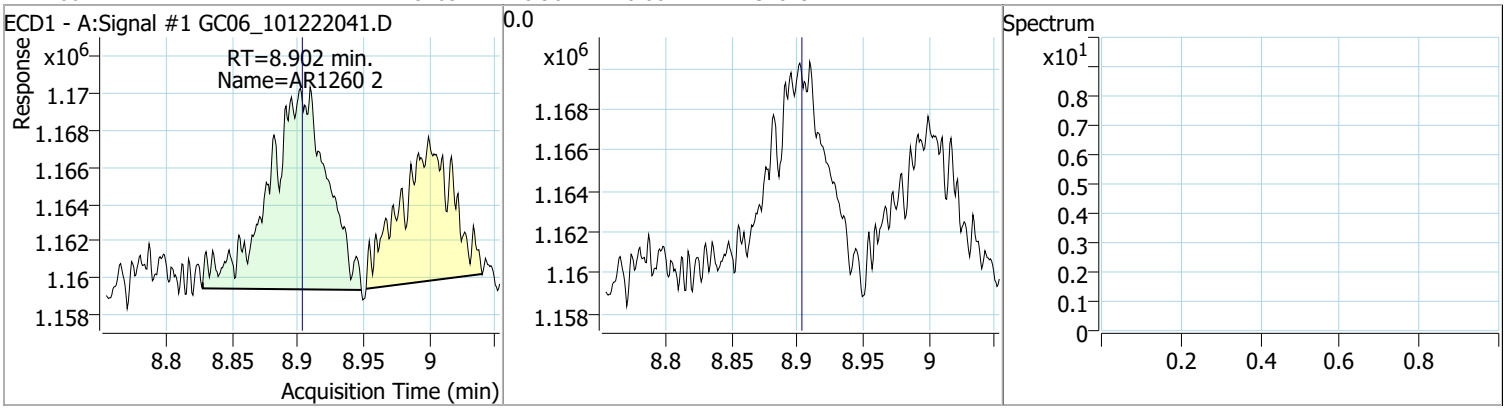
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	8.4252	6.65	-0.07	97634				



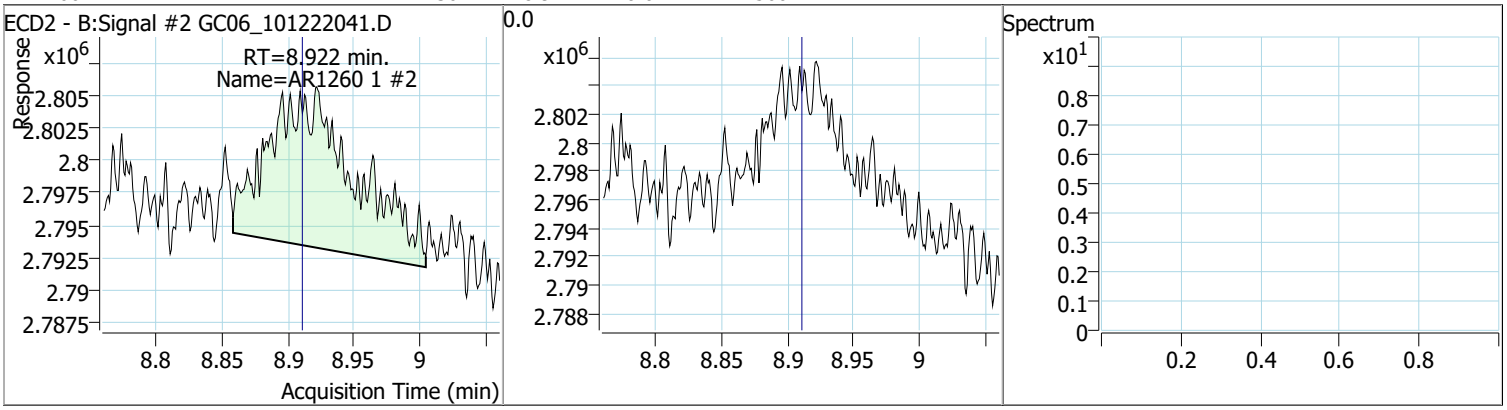
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	66.4641	8.34	0.00	296194				



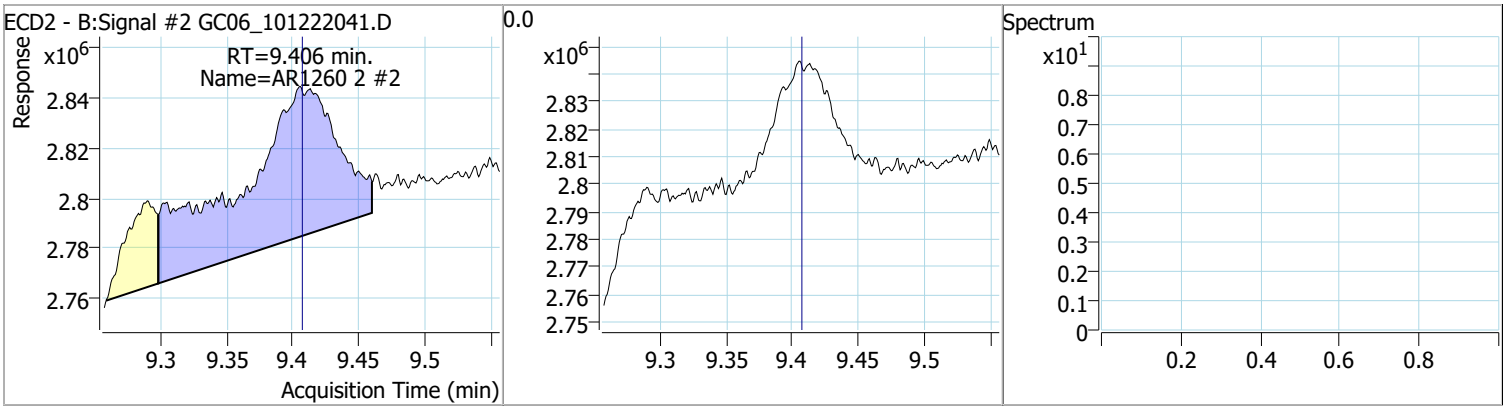
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.8465	8.90	0.00	34079				



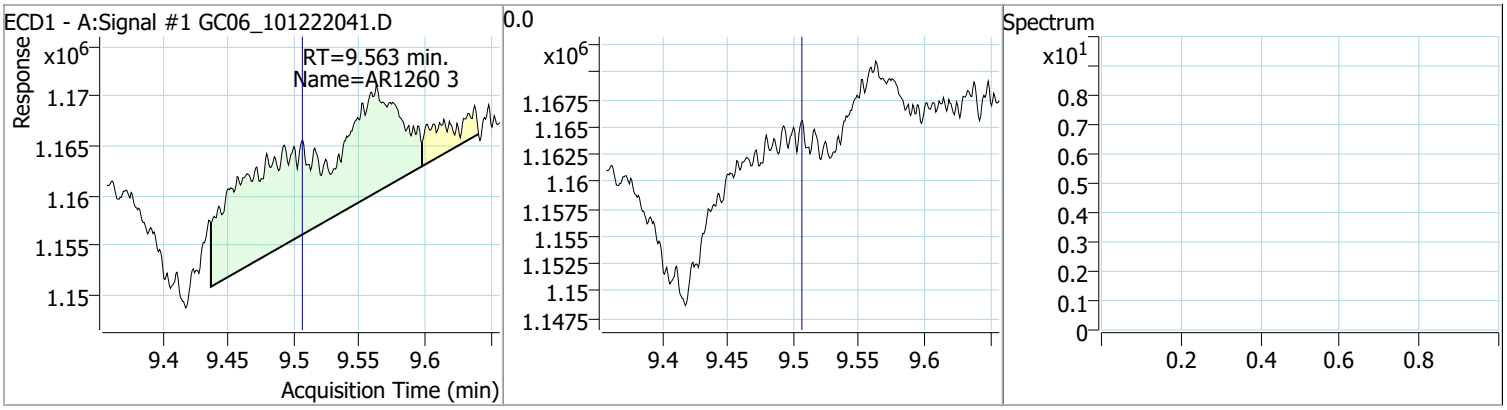
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.1236	8.92	0.01	56021				



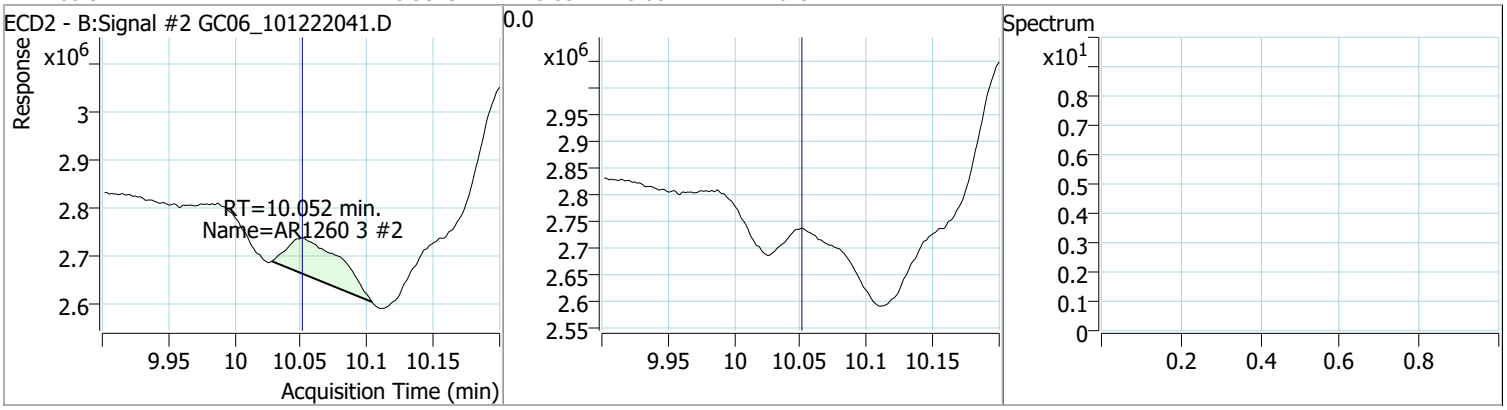
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	10.8719	9.41	0.00	321972				



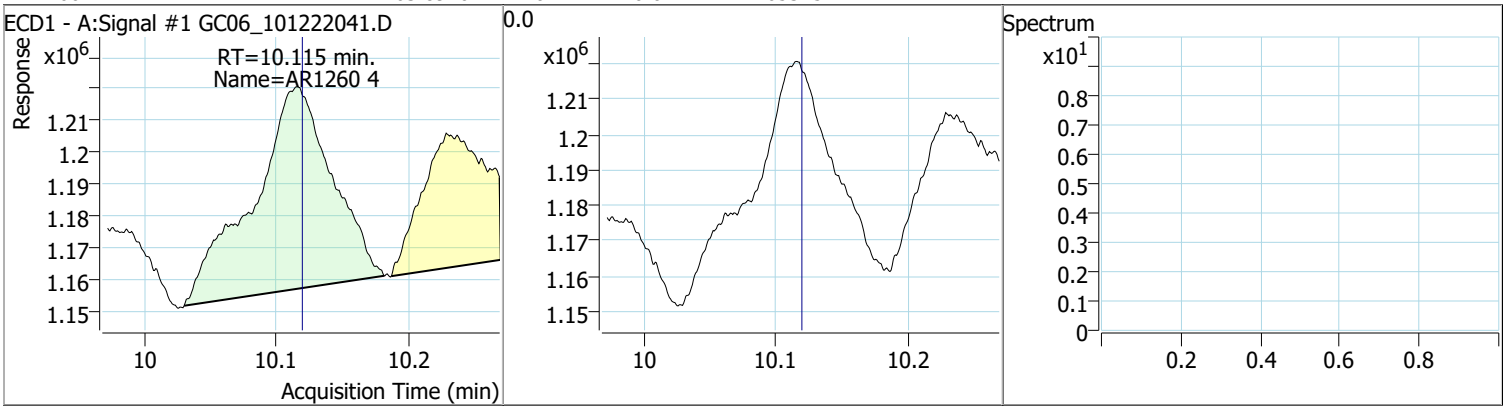
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	9.9481	9.56	0.05	73241				



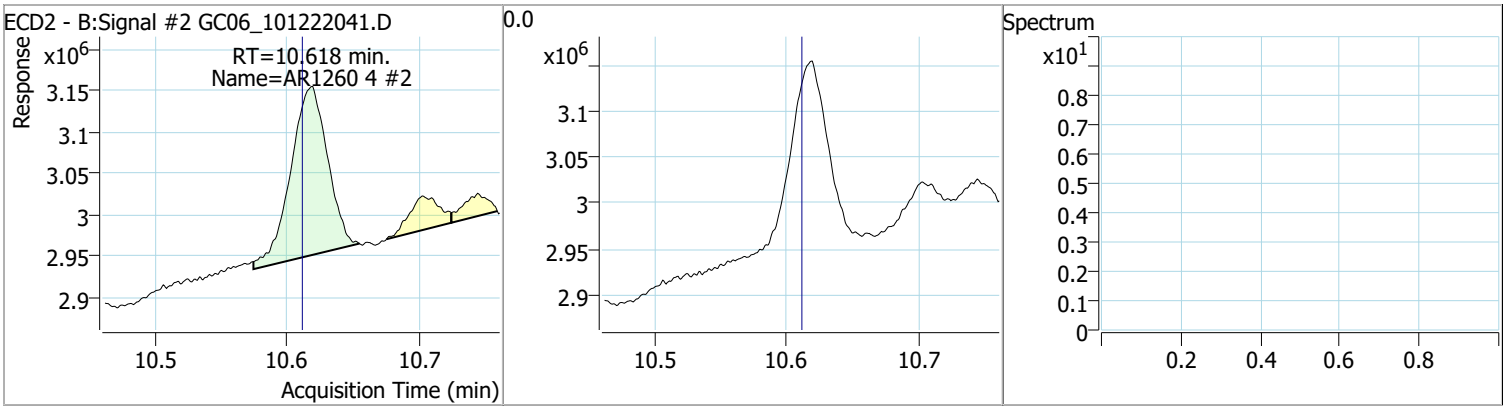
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.9373	10.05	0.00	226194				



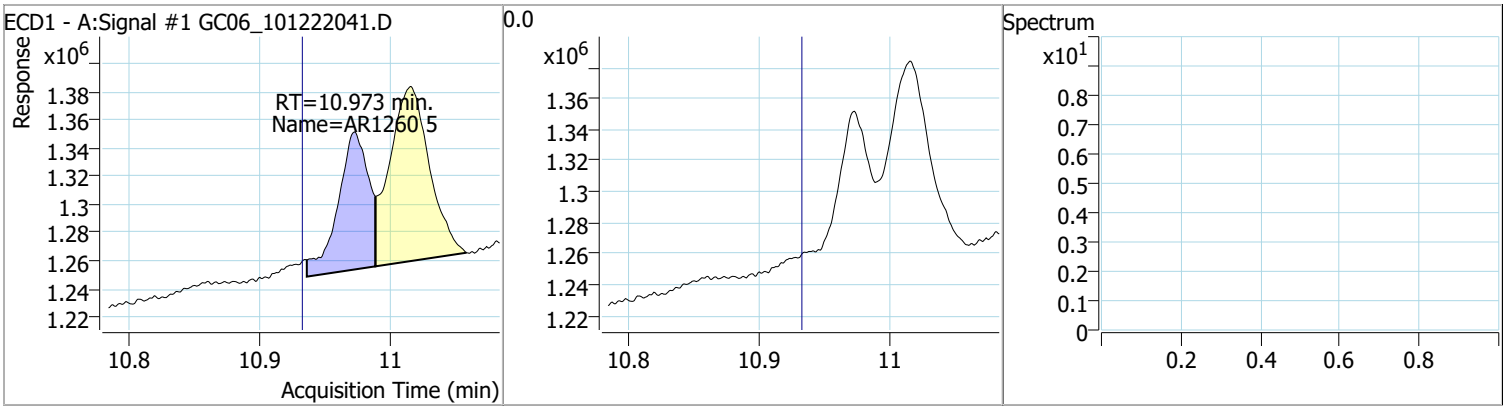
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	63.8940	10.12	-0.01	265375				



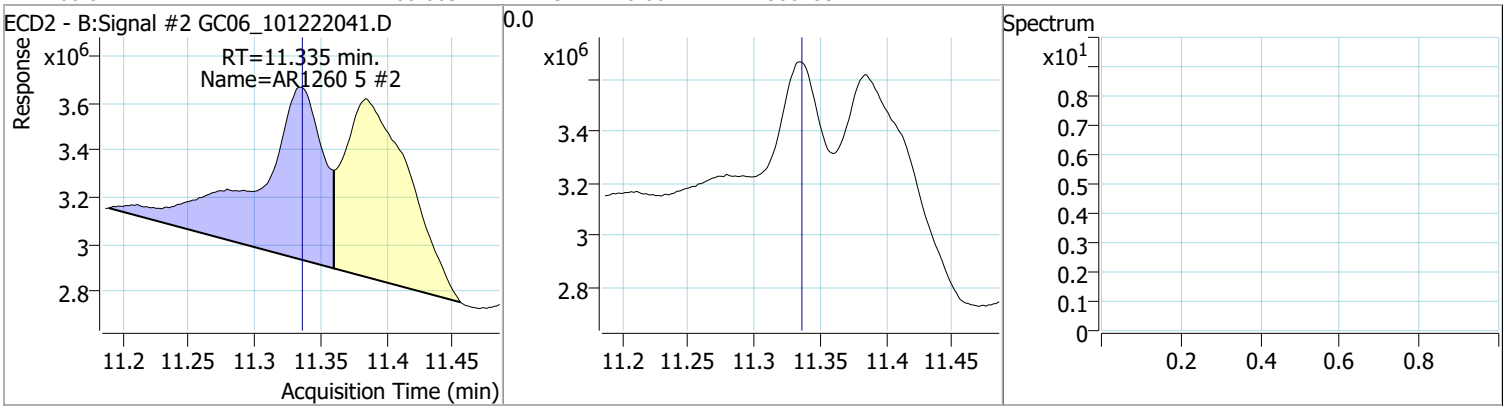
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	15.6699	10.62	0.01	395104				



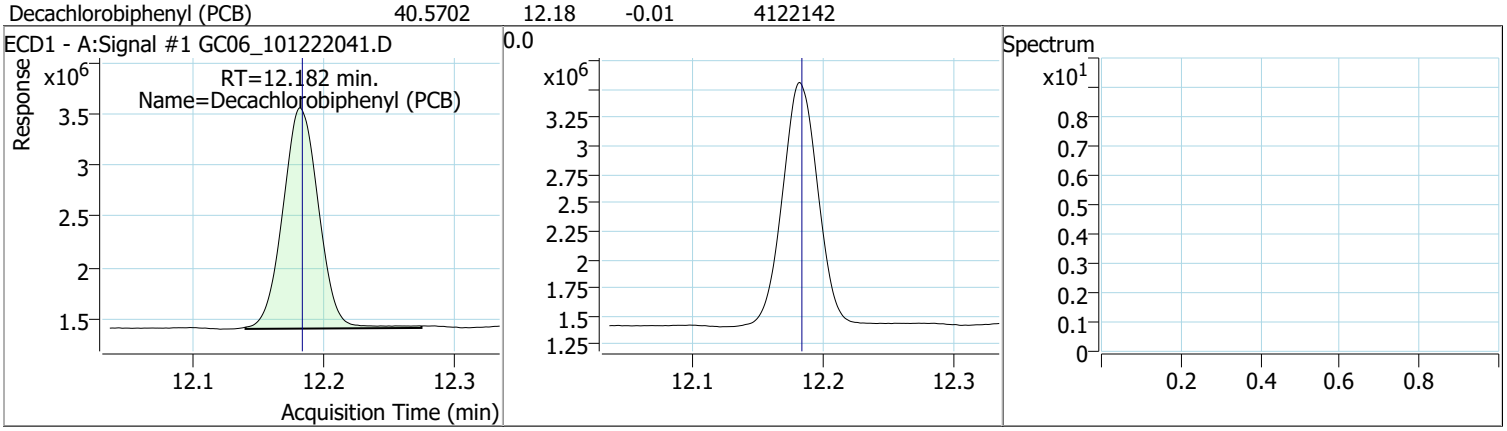
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	30.8877	10.97	0.04	158837				



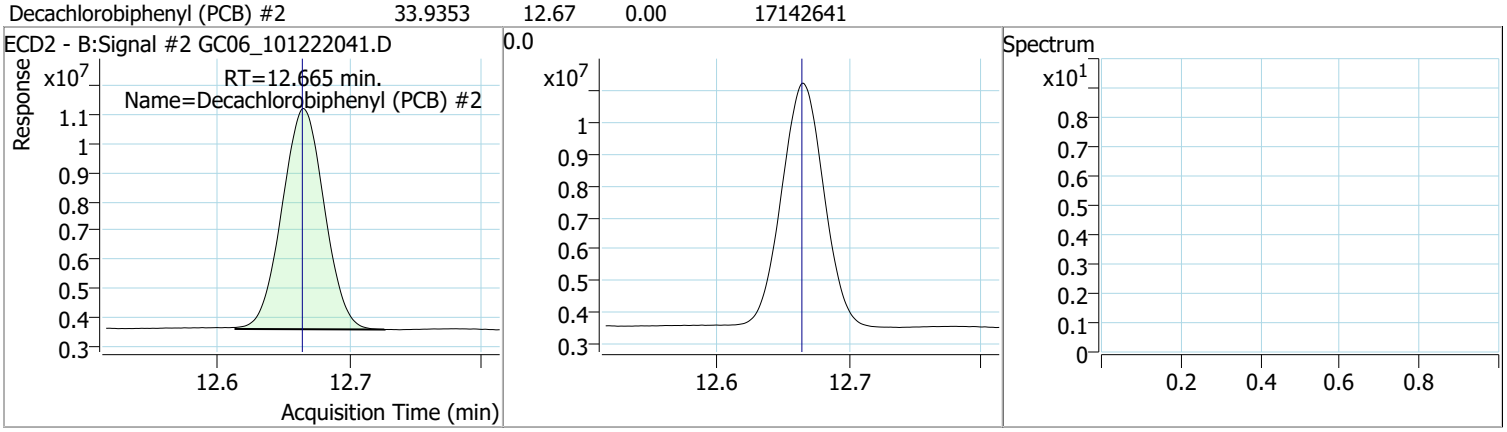
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	68.0631	11.34	0.00	2560253				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	40.5702	12.18	-0.01	4122142				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.9353	12.67	0.00	17142641				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	470460-006	Client ID:	ARCH-C2W-DG-1.5 TO 2-221008-P-FB
Seqnum:	452410975042.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_101222042	Batch:	298736	Time:	12-OCT-2022 20:57
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	452369928002	12.48	ND	0.99	119%	0.50		u
Aroclor-1016 Peak # 1	B	452369928002	5.709	0.11	0.50	125%			
Aroclor-1016 Peak # 2	B	452369928002	7.121	0.14	0.14	1%			
Aroclor-1016 Peak # 3	B	452369928002	25.35	0.51	1.07	72%			
Aroclor-1016 Peak # 4	B	452369928002	8.239	0.16	3.18	180%			
Aroclor-1016 Peak # 5	B	452369928002	16.00	0.32	0.04	156%			
Aroclor-1221	B			ND			0.50		u
Aroclor-1232	B			ND			0.50		u
Aroclor-1242	B			ND			0.50		u
Aroclor-1248	B			ND			0.50		u
Aroclor-1254	B			ND			0.50		u
Aroclor-1260	B	452369928002	15.31	ND	0.38	21%	0.50		u
Aroclor-1260 Peak # 1	B	452369928002	0.1496	0.00	0.18	193%			
Aroclor-1260 Peak # 2	B	452369928002	7.661	0.15	0.08	67%			
Aroclor-1260 Peak # 3	B	452369928002	5.204	0.10	0.13	22%			
Aroclor-1260 Peak # 4	B	452369928002	10.59	0.21	0.96	128%			
Aroclor-1260 Peak # 5	B	452369928002	52.94	1.06	0.54	65%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B	452410975002	12.36	ND	1.1	124%	0.50		?v l u
Aroclor-1268 Peak # 1	B	452410975002	64.89	1.30 [omit]	0.85 [omit]	42%			
Aroclor-1268 Peak # 2	B	452410975002	16.06	0.32	1.28	120%			
Aroclor-1268 Peak # 3	B	452410975002	16.74	0.33	0.18	60%			
Aroclor-1268 Peak # 4	B	452410975002	170.4	3.41 [omit]	0.05 [omit]	194%			
Aroclor-1268 Peak # 5	B	452410975002	4.296	0.09	1.70	181%			

Surrogate	Ch	Cal	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	452369928002	31.25	1.000	0.6249	62	52-186	u
Decachlorobiphenyl (PCB)	B	452369928002	31.63	1.000	0.6325	63	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9052455	8285474	-8.47
1-bromo-2-nitrobenzene (PCB)	A	1846693	1625612	-11.97

ISTD (ICAL gc06_101222005)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	11871428	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2416508	**???**	**-100.00 ***

ISTD (ICAL gc06_101222007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	7925274	8270761	4.36
1-bromo-2-nitrobenzene (1268)	A	1655647	1622683	-1.99

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_101222005)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	3.92	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.11	**???**	

ISTD (ICAL gc06_101222007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (1268)	A	4.11	4.11	0.00

LW 10/20/22 : 1268 1B, 2A, 3B have significant interference. 1268 4B and 5A have RT shifts. There are not three usable peaks

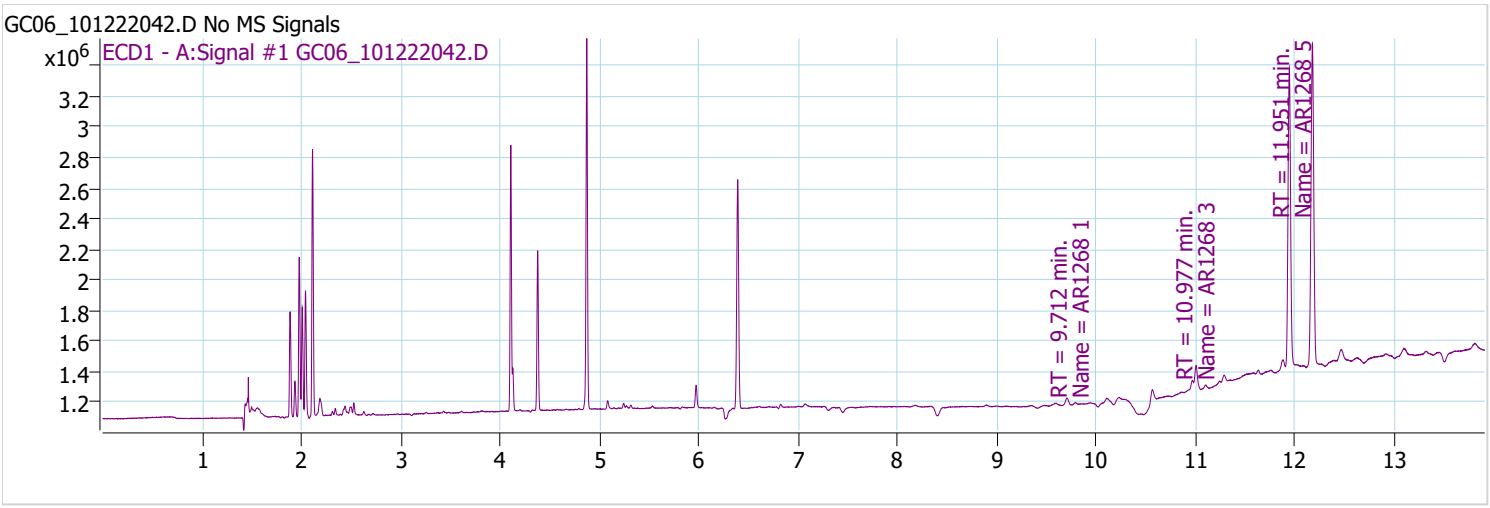
?=missing l=false positive flag altered u=use v=ICV out

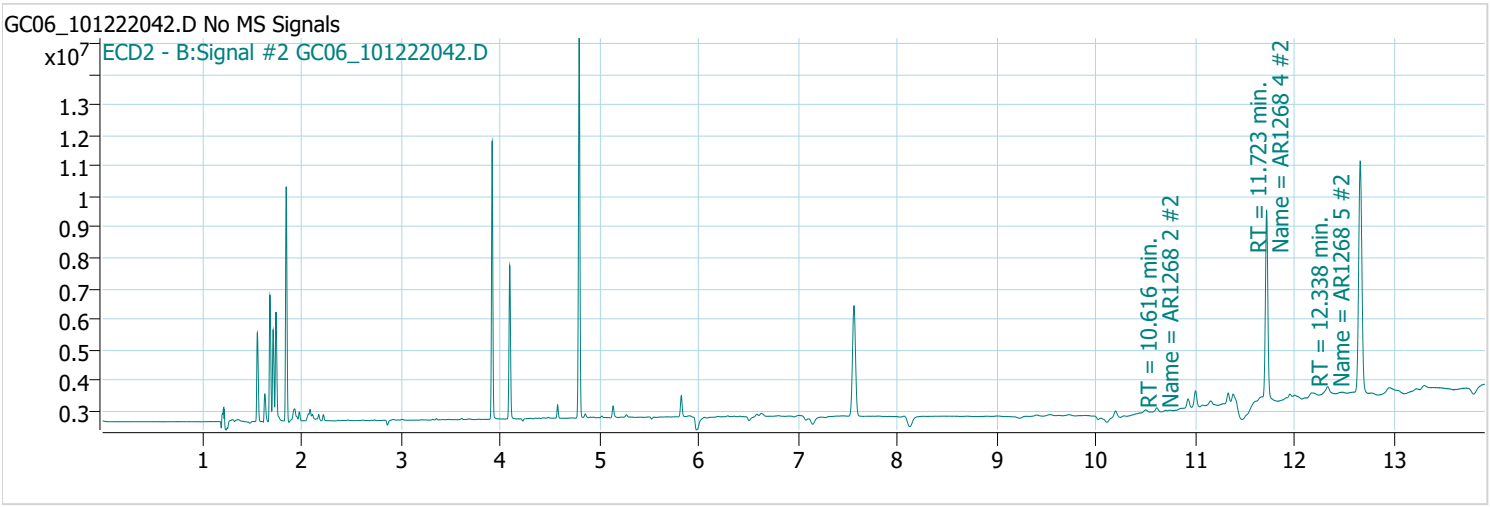
Analyst: TRN 10/14/22 *

Reviewer: LW 10/20/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_101222042.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 8:57:28 PM
Sample Name	470460-006, 298736, 1	Instrument	SVOA-GC06
Vial	31	Multiplier	1.00
DA Method File	PCB_AR1268_101222_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222ar1268.batch.bin	Last Calib Update	10/14/2022 6:34:16 PM
Ref Library			



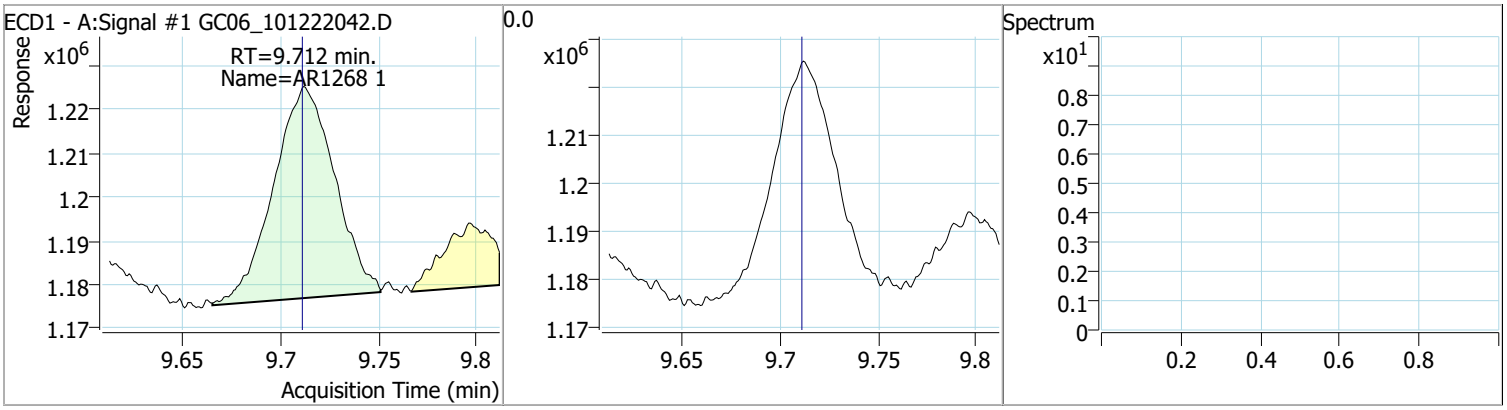


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268) #2	3.923	0.0	8270761.147	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (1268)	4.111	0.0	1622683.340	20.0000	ng/ml	-0.001
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	9.712	0.0	104982.866	42.3720	ng/ml	100
T AR1268 2	10.113	0.0	213402.920	63.9631	ng/ml	100
T AR1268 1 #2	10.201	0.0	834657.884	64.8910	ng/ml	100
T AR1268 2 #2	10.616	0.0	273197.565	16.0595	ng/ml	100
T Aroclor-1268	10.800	0.0	804710.365	54.5328	ng/ml	
T AR1268 3	10.977	0.0	132145.934	9.0079	ng/ml	100
T AR1268 4	11.249	0.0	31666.804	2.7291	ng/ml	100
T AR1268 3 #2	11.335	0.0	1211321.958	16.7360	ng/ml	100
T AR1268 4 #2	11.723	0.0	9545337.036	170.3542	ng/ml	100

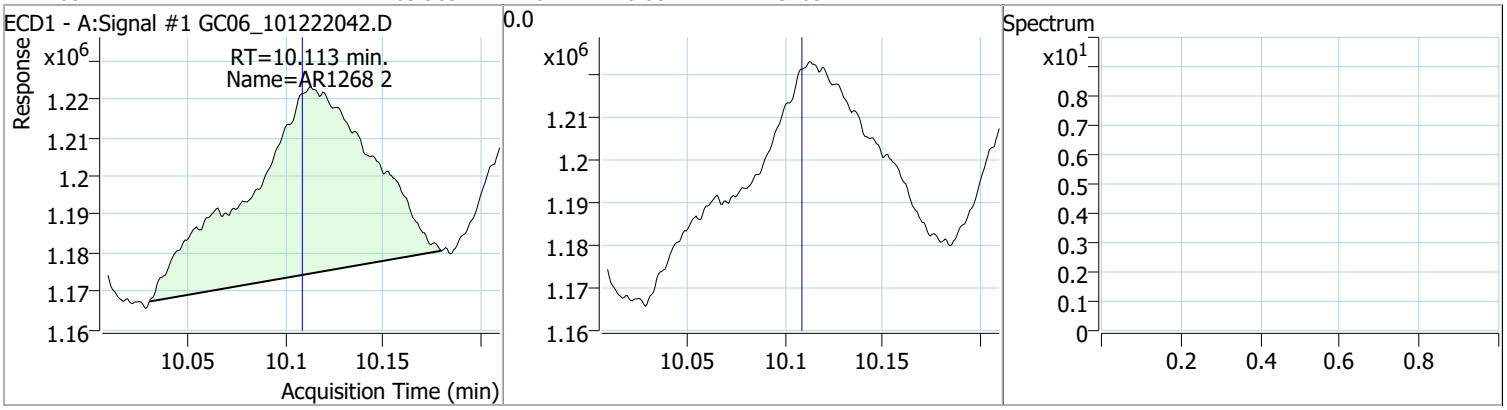
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Aroclor-1268 #2	11.242	0.0	2537016.999	36.3167	ng/ml	
T AR1268 5	11.951	0.0	3541353.303	84.9348	ng/ml	100
T AR1268 5 #2	12.338	0.0	820570.552	4.2960	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

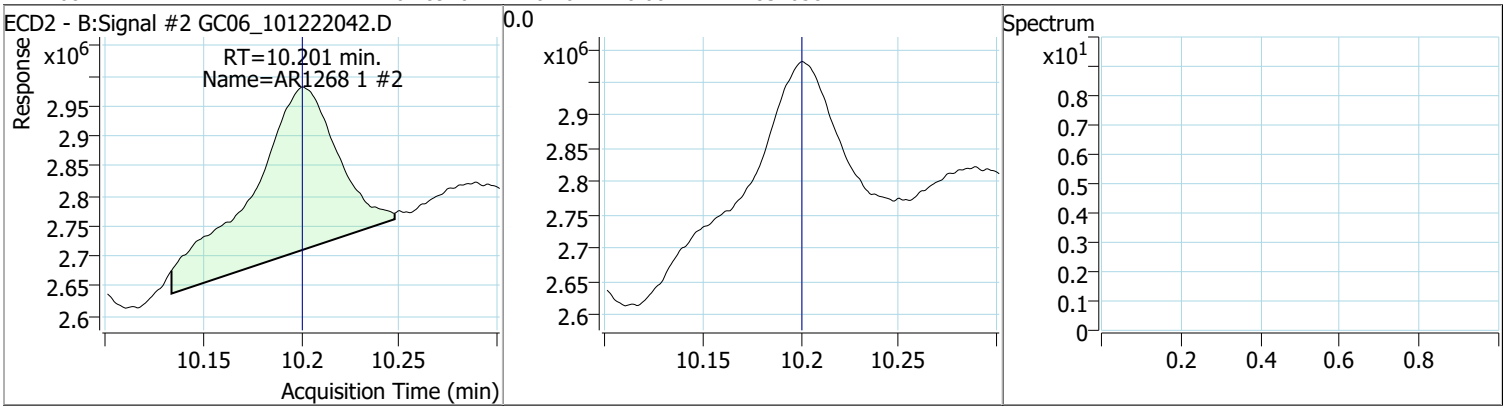
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	42.3720	9.71	0.00	104983				



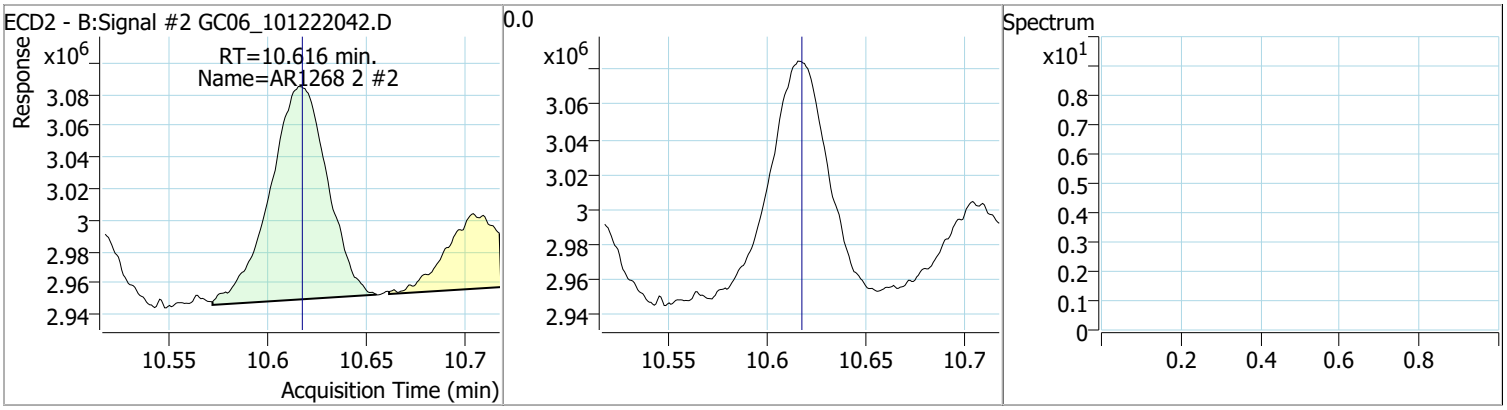
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	63.9631	10.11	0.00	213403				



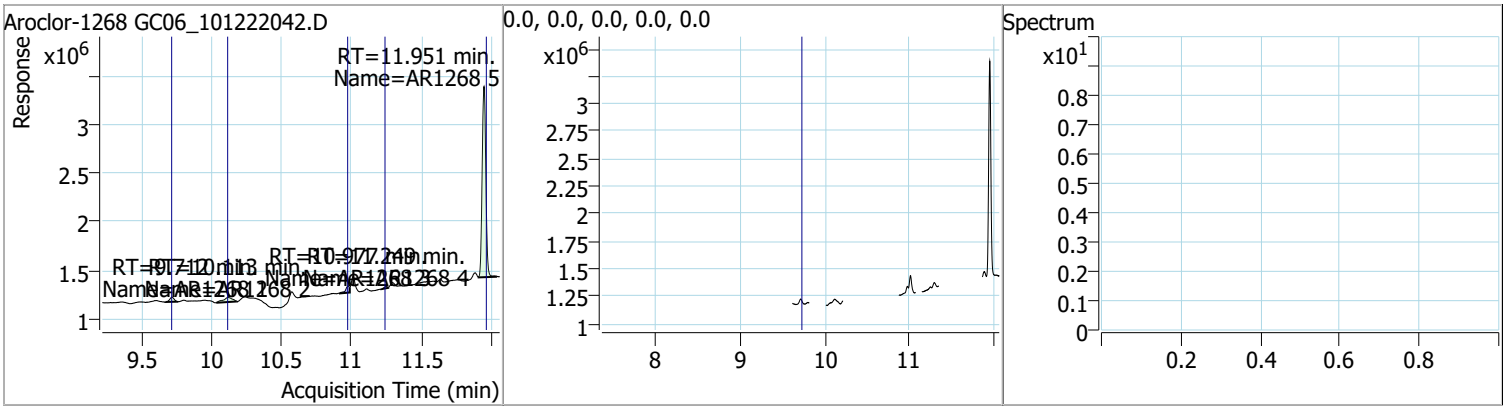
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	64.8910	10.20	0.00	834658				



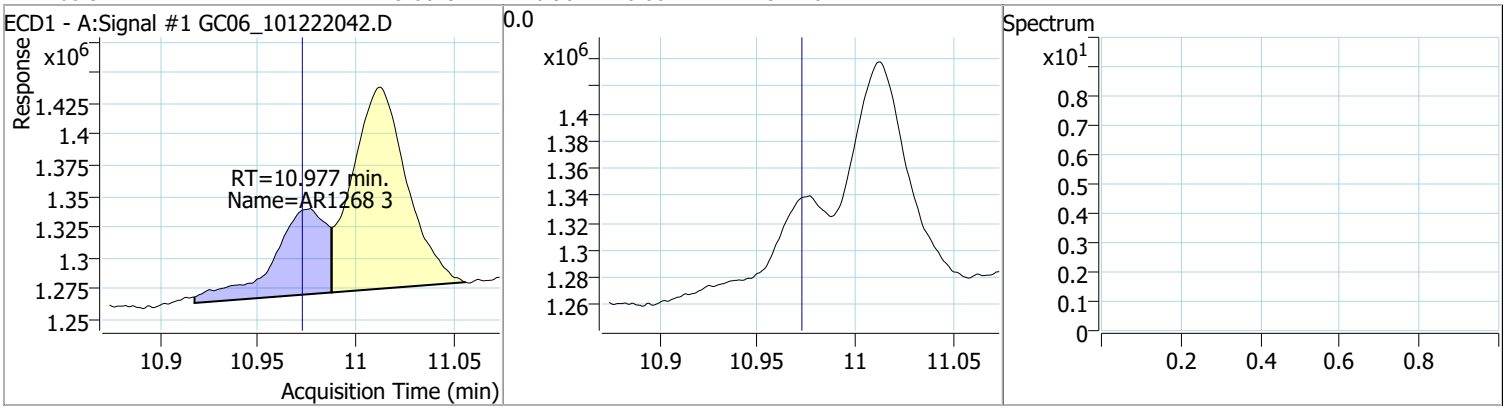
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	16.0595	10.62	0.00	273198				



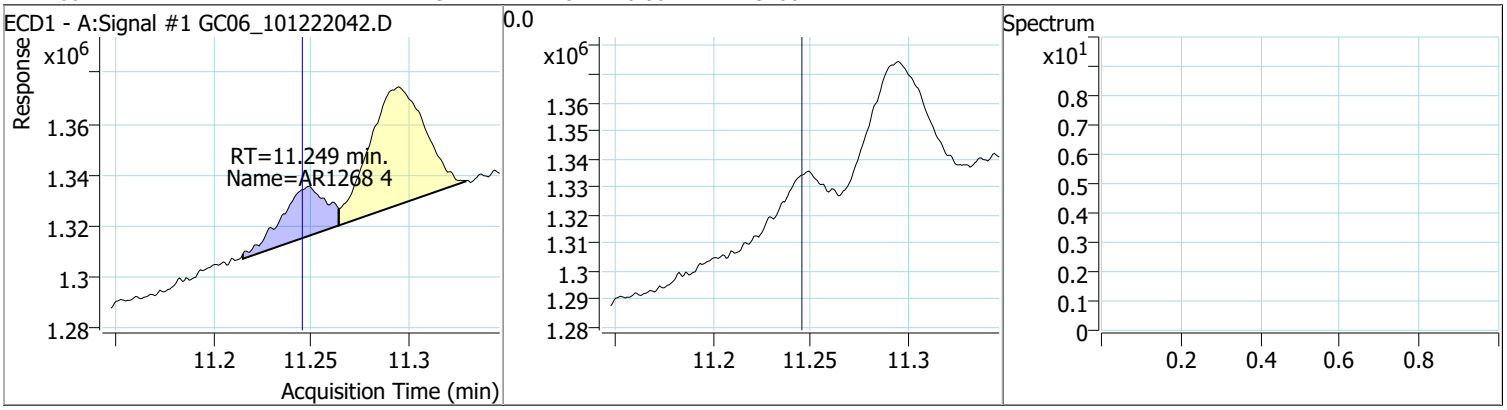
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	54.5328	10.80	0.16	804710				



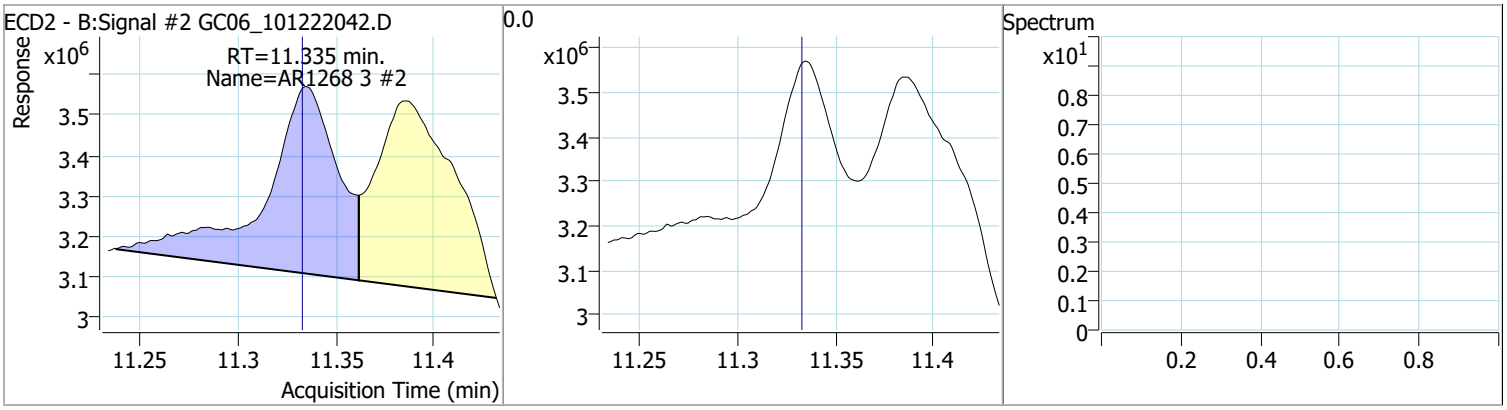
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	9.0079	10.98	0.00	132146				



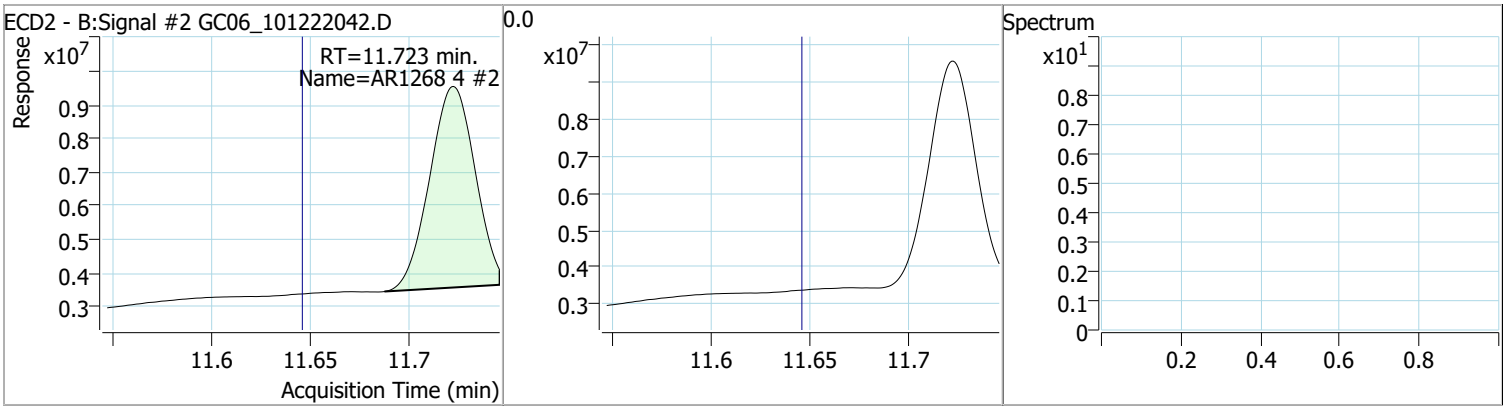
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	2.7291	11.25	0.00	31667				



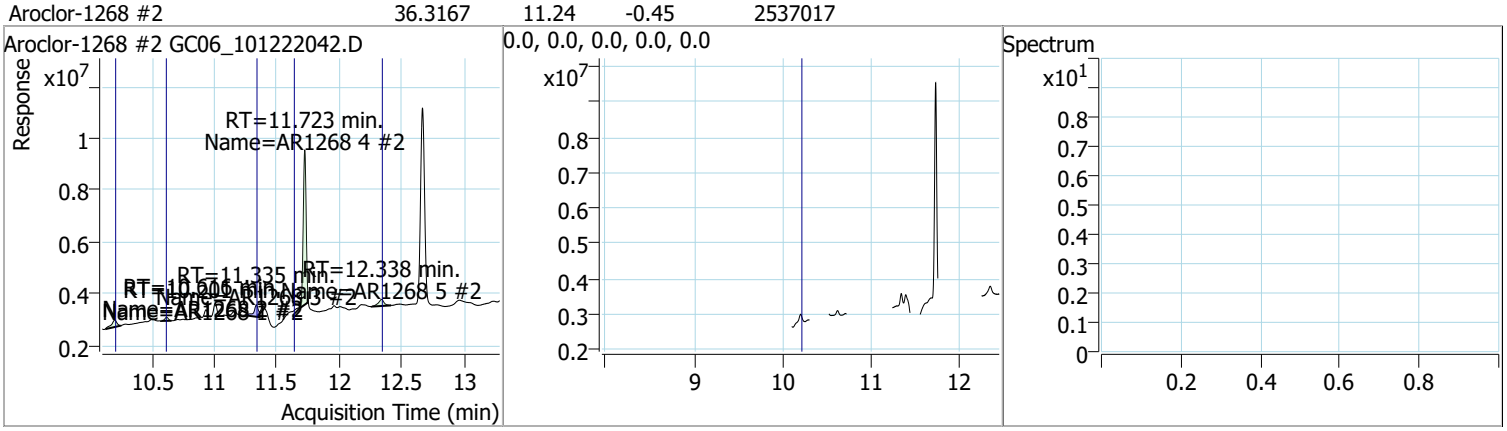
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	16.7360	11.34	0.00	1211322				



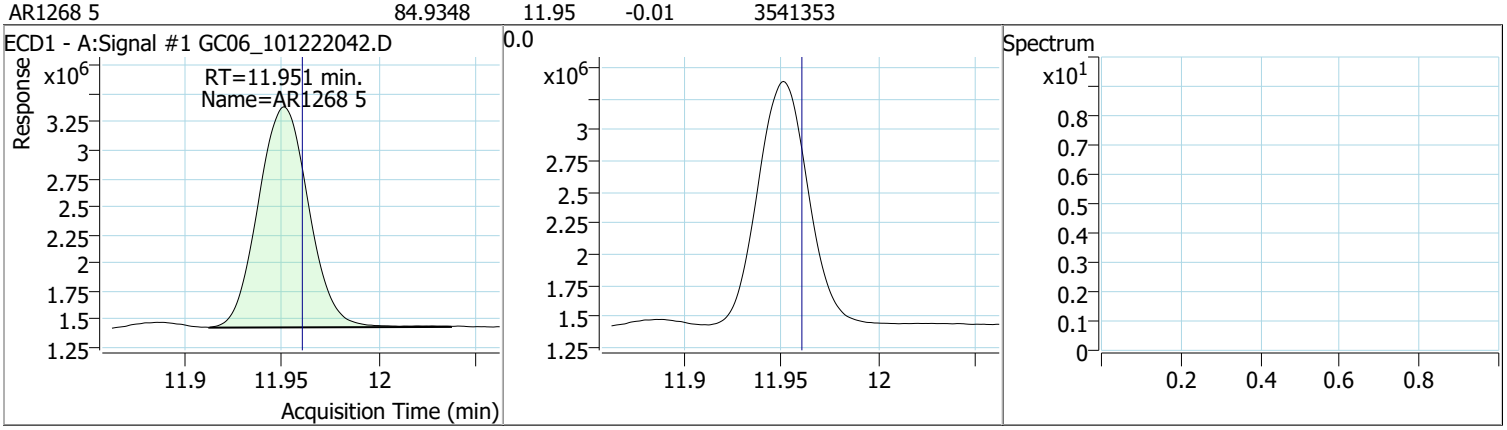
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	170.3542	11.72	0.08	9545337				



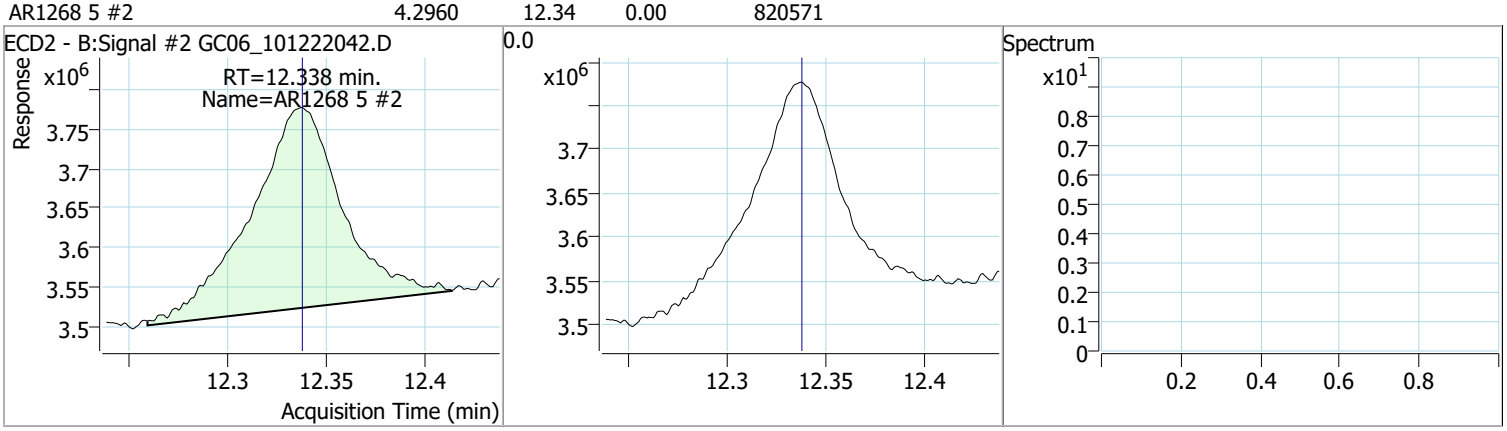
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	36.3167	11.24	-0.45	2537017				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	84.9348	11.95	-0.01	3541353				

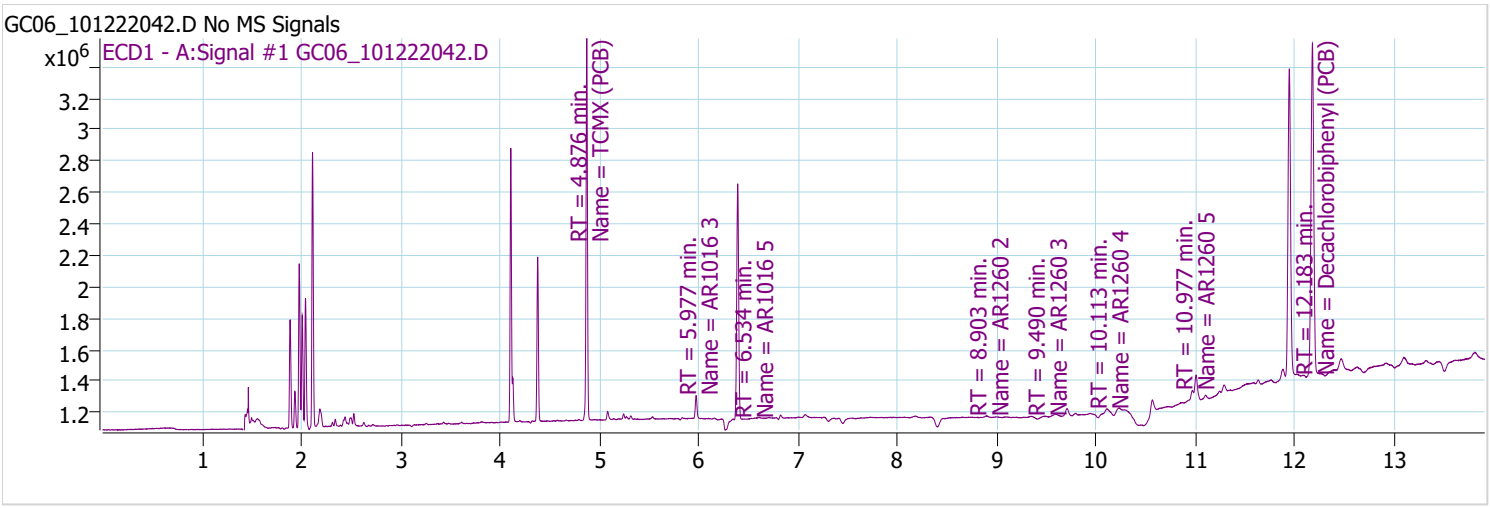


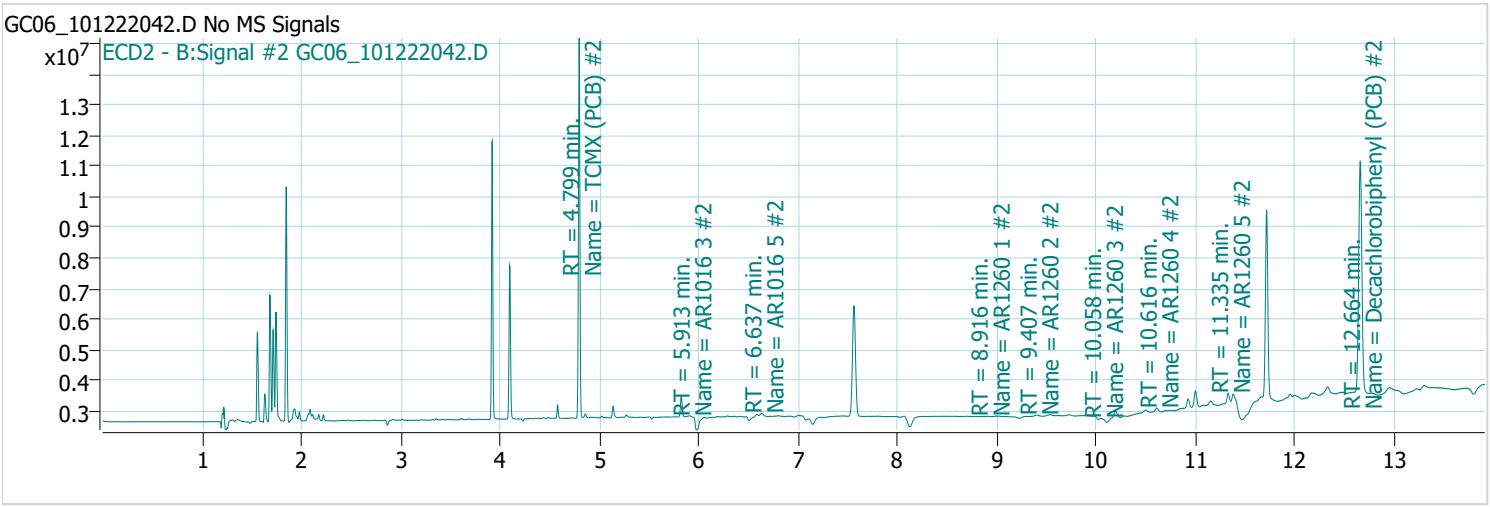
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	4.2960	12.34	0.00	820571				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101222042.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 8:57:28 PM
Sample Name	470460-006, 298736, 1	Instrument	SVOA-GC06
Vial	31	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222_pcb.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



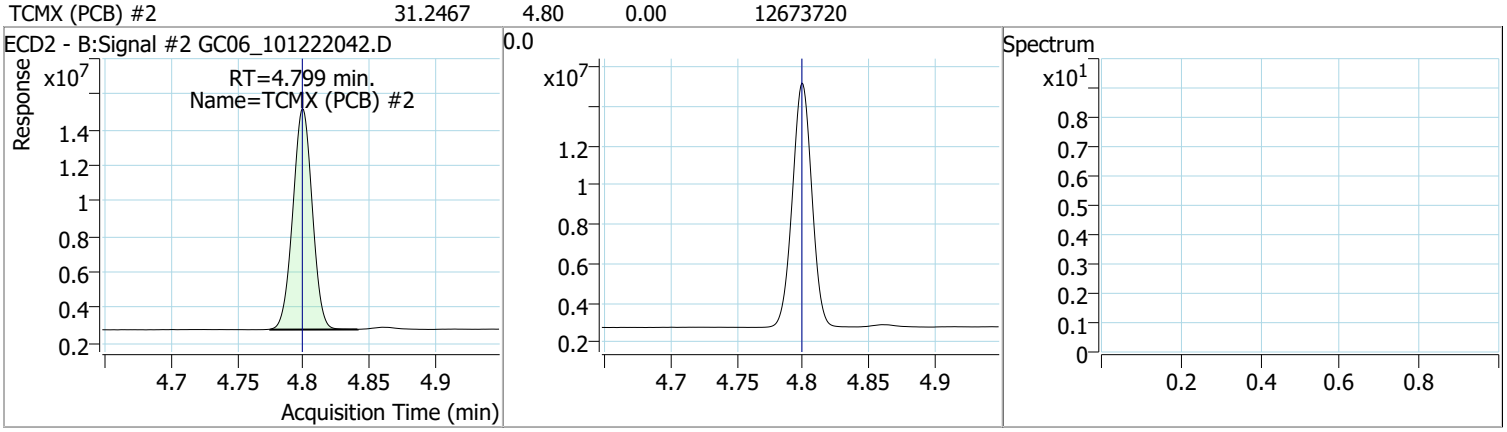


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.923	0.0	8285474.458	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.111	0.0	1625612.494	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.799	0.0	12673720.065	31.2467	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 156.23%		*	
S TCMX (PCB)	4.876	0.0	2453550.991	31.6865	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.43%		*	
S Decachlorobiphenyl (PCB)	12.183	0.0	4190943.987	38.4390	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 192.19%		*	
S Decachlorobiphenyl (PCB) #2	12.664	0.0	17382380.534	31.6271	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.14%		*	
Target Compounds							QValue

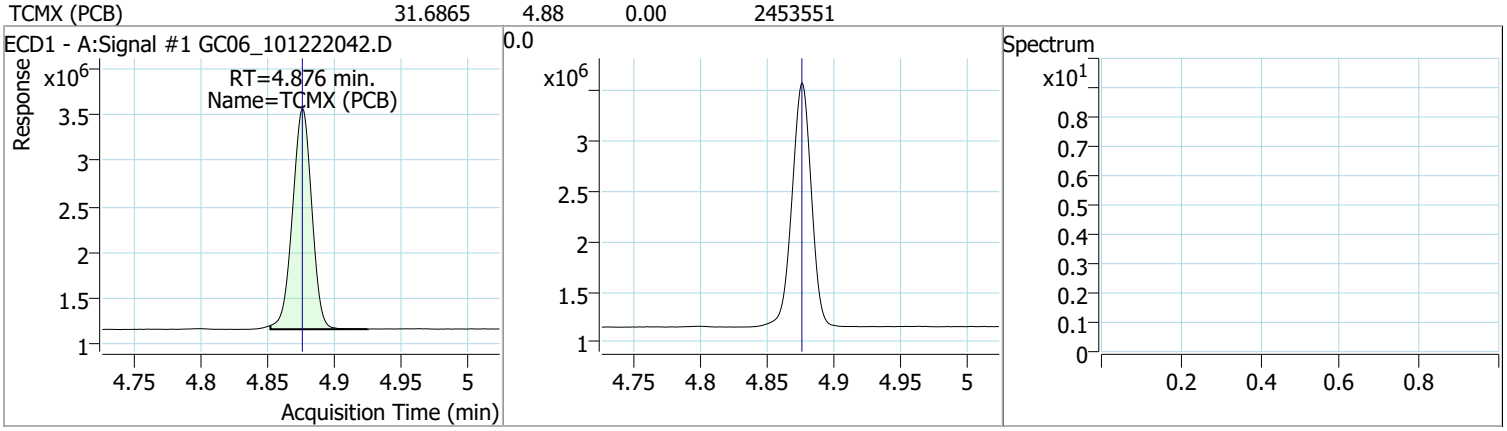
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.248	0.0	39658.492	24.8861	ng/ml	100
T AR1016 1 #2	5.230	0.0	47545.185	5.7086	ng/ml	100
T AR1016 2	5.540	0.0	24492.114	7.1903	ng/ml	100
T AR1016 2 #2	5.508	0.0	123699.919	7.1212	ng/ml	100
T AR1016 3	5.977	0.0	215640.993	53.7047	ng/ml	100
T AR1016 3 #2	5.913	0.0	572911.019	25.3498	ng/ml	100
T AR1016 4	6.161	0.0	481229.668	159.2288	ng/ml	100
T AR1016 4 #2	6.200	0.0	123027.768	8.2388	ng/ml	100
T AR1016 5	6.534	0.0	4755.176	1.9674	ng/ml	100
T AR1016 5 #2	6.637	0.0	201730.494	16.0002	ng/ml	100
T AR1260 1	8.463	0.0	42356.761	8.8574	ng/ml	100
T AR1260 2	8.903	0.0	28714.538	3.8055	ng/ml	100
T AR1260 1 #2	8.916	0.0	4293.200	0.1496	ng/ml	100
T AR1260 2 #2	9.407	0.0	246841.679	7.6609	ng/ml	100
T AR1260 3	9.490	0.0	51290.118	6.4923	ng/ml	100
T AR1260 3 #2	10.058	0.0	215713.332	5.2043	ng/ml	100
T AR1260 4	10.113	0.0	214040.890	48.0255	ng/ml	100
T AR1260 4 #2	10.616	0.0	290452.965	10.5878	ng/ml	100
T AR1260 5	10.977	0.0	148299.842	26.8751	ng/ml	100
T AR1260 5 #2	11.335	0.0	2166714.089	52.9427	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

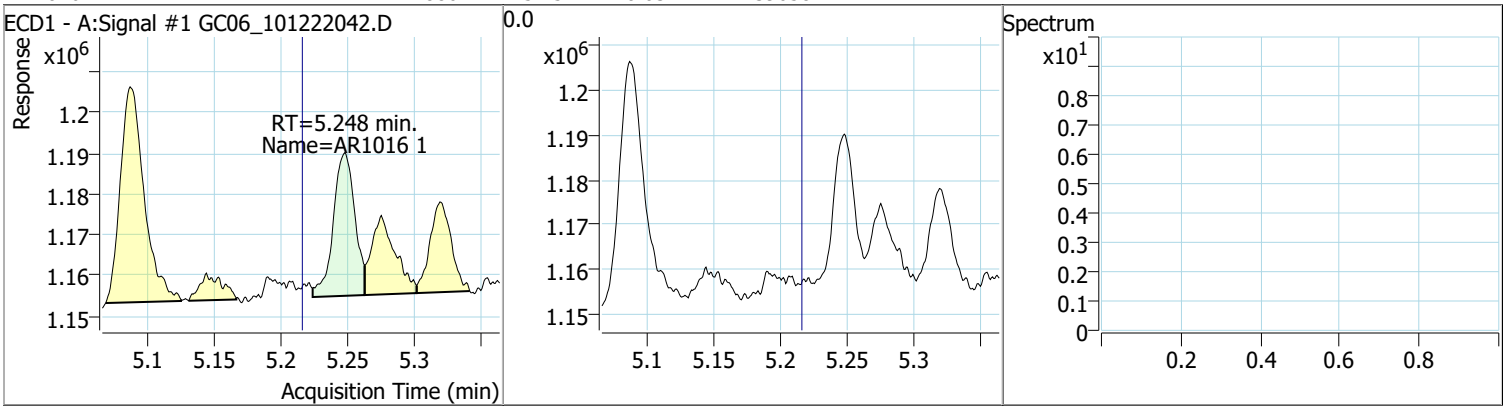
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.2467	4.80	0.00	12673720				



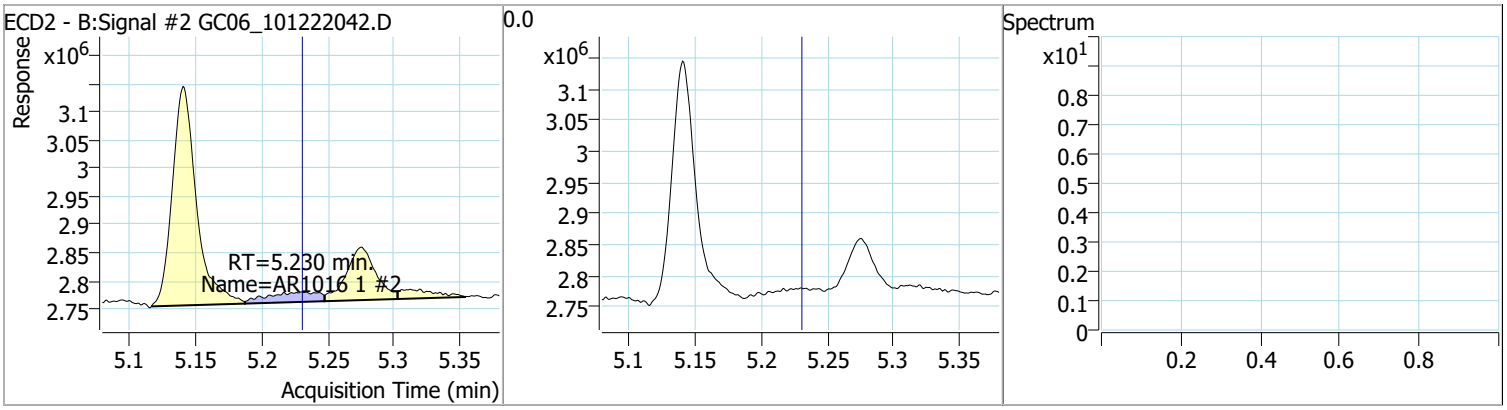
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.6865	4.88	0.00	2453551				



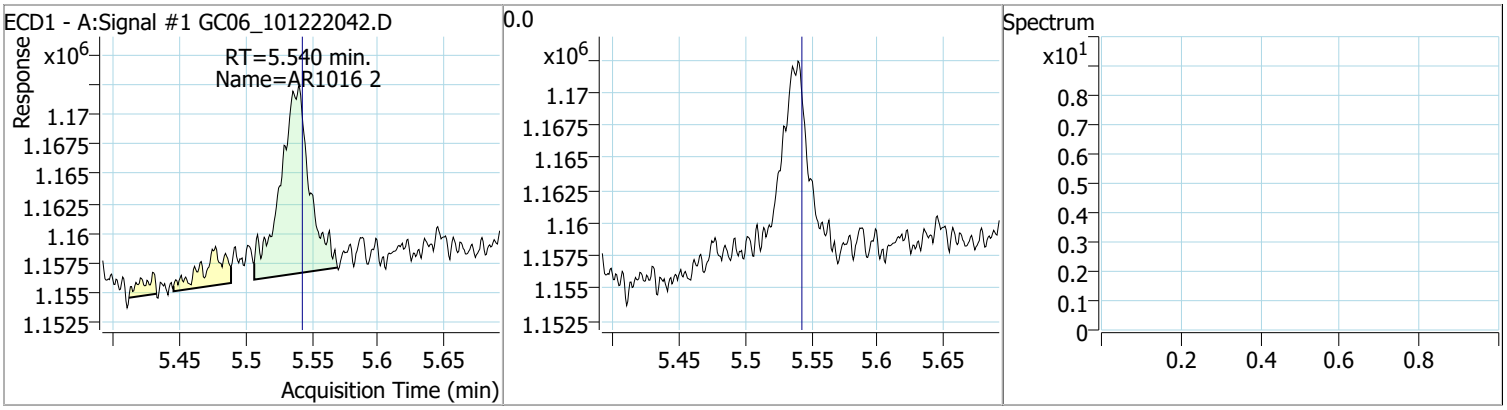
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.8861	5.25	0.03	39658				



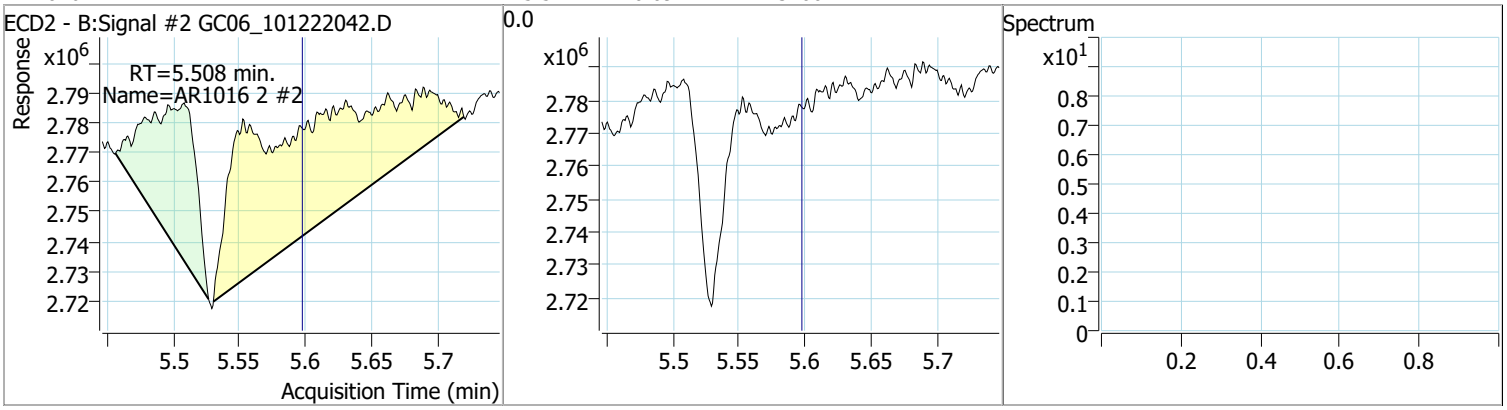
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.7086	5.23	0.00	47545				



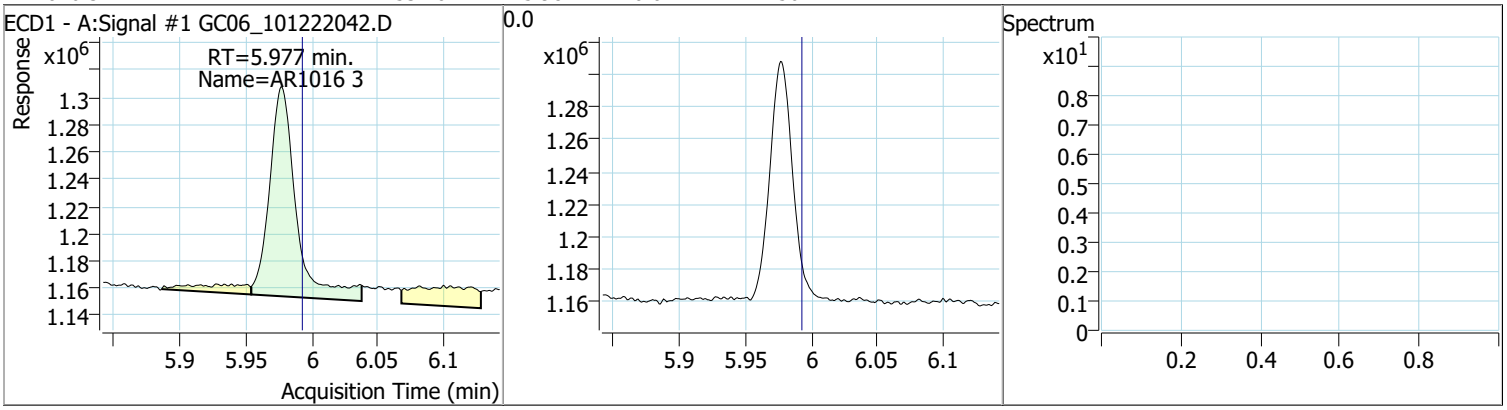
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	7.1903	5.54	0.00	24492				



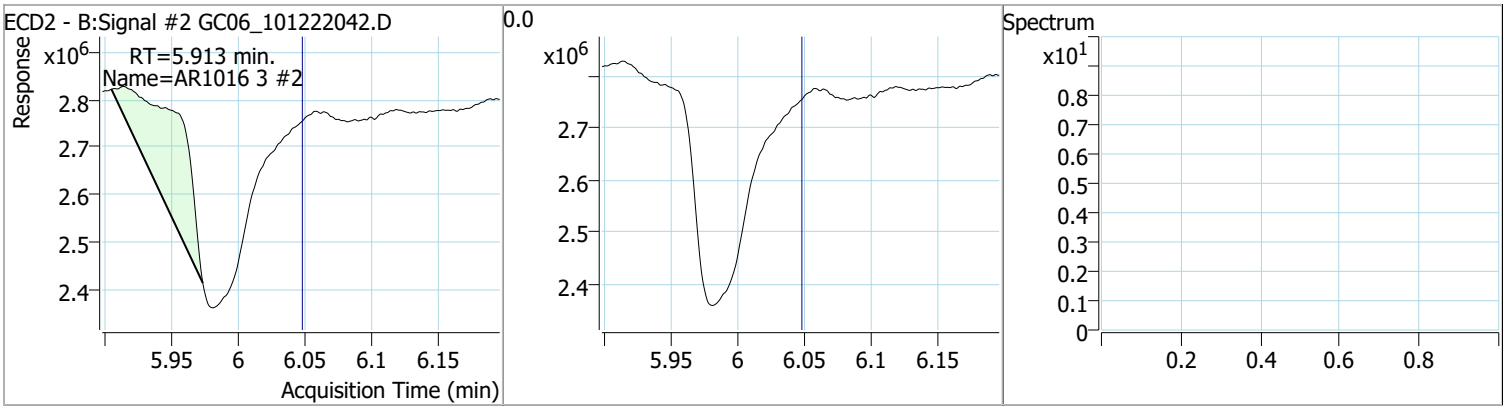
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	7.1212	5.51	-0.09	123700				



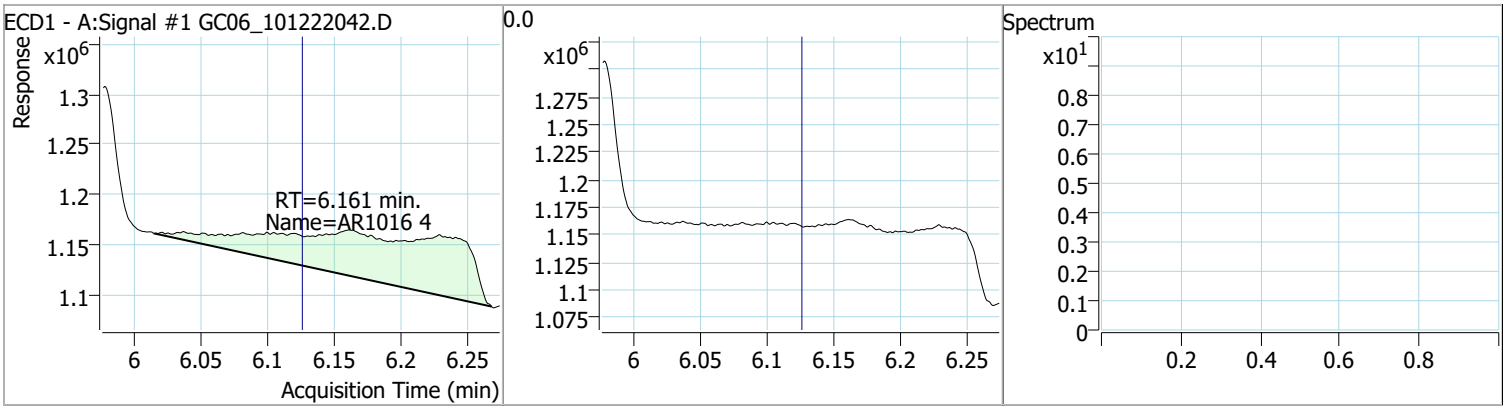
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	53.7047	5.98	-0.02	215641				



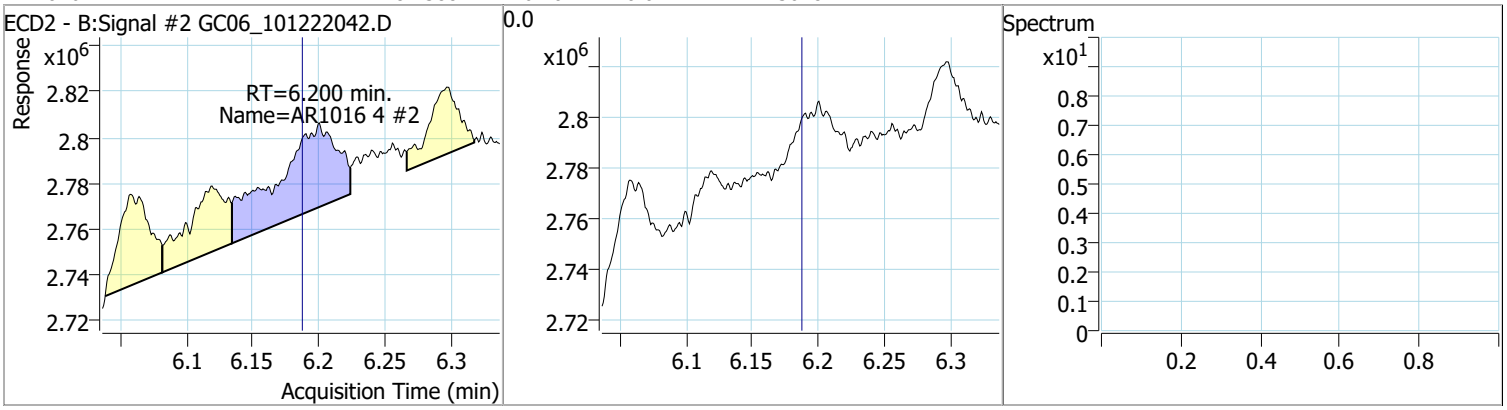
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	25.3498	5.91	-0.14	572911				



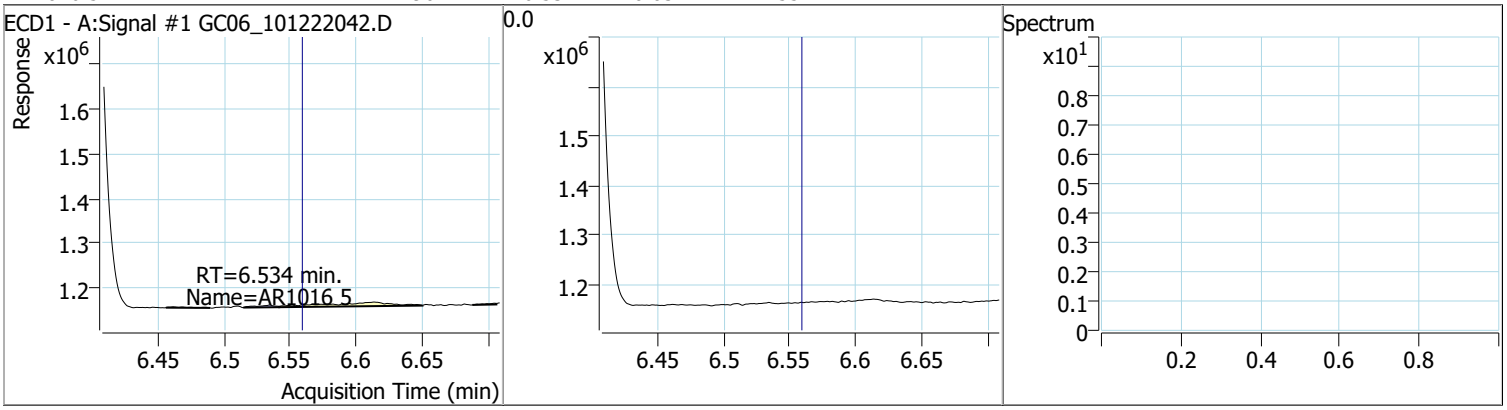
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	159.2288	6.16	0.03	481230				



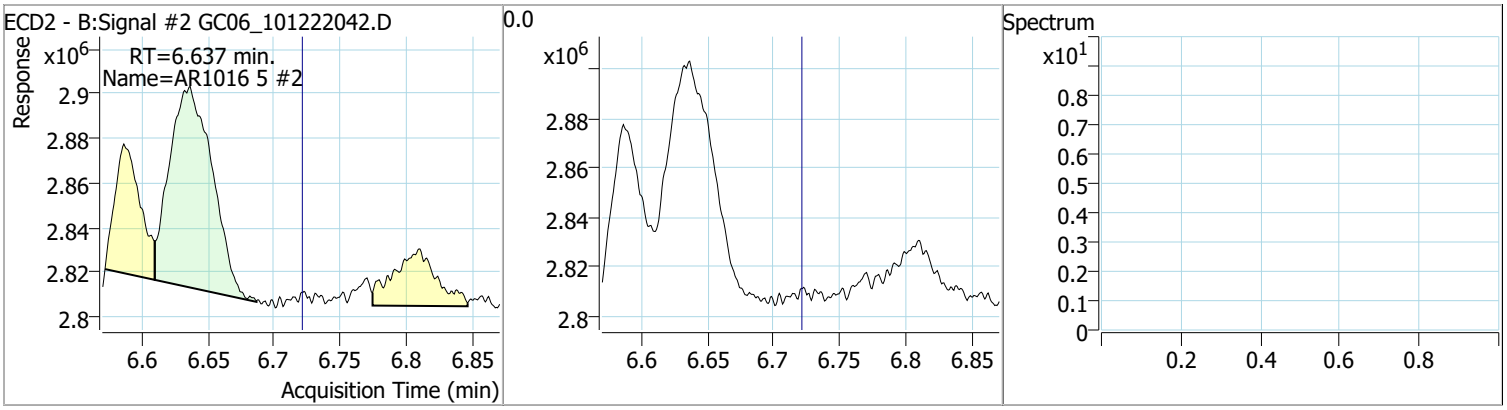
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	8.2388	6.20	0.01	123028				



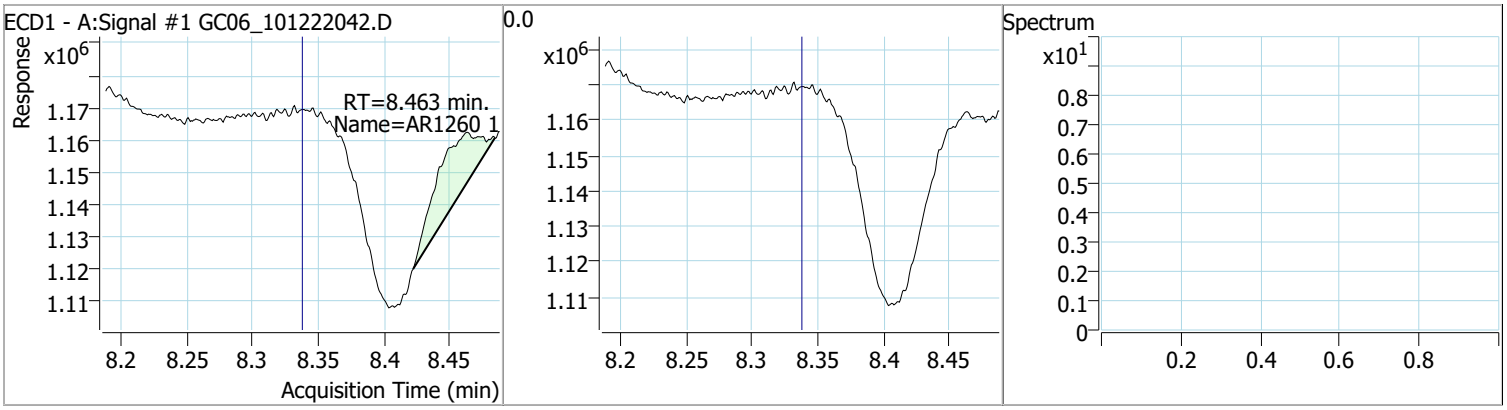
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1.9674	6.53	-0.03	4755				



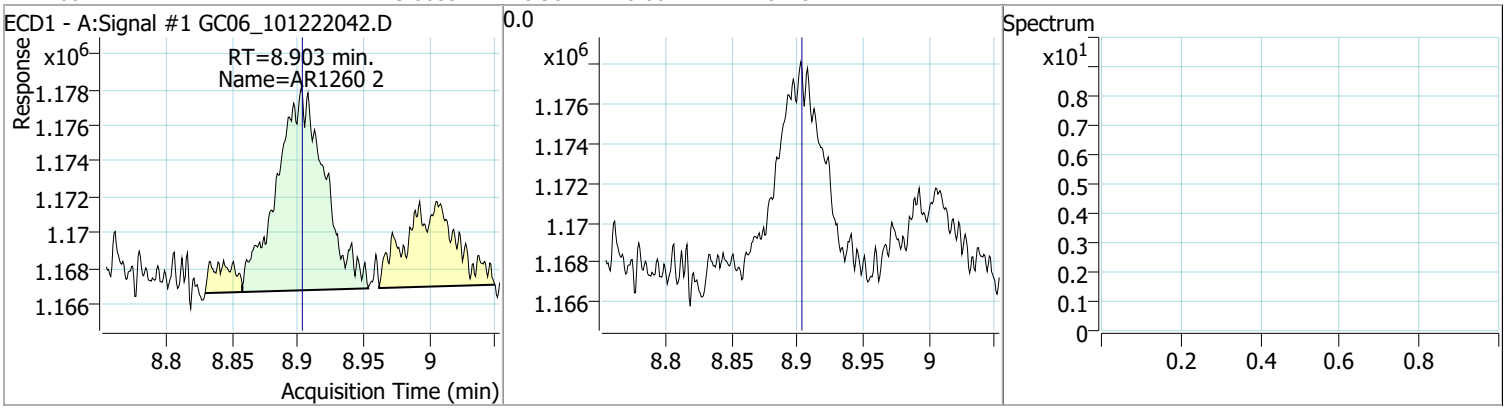
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	16.0002	6.64	-0.09	201730				



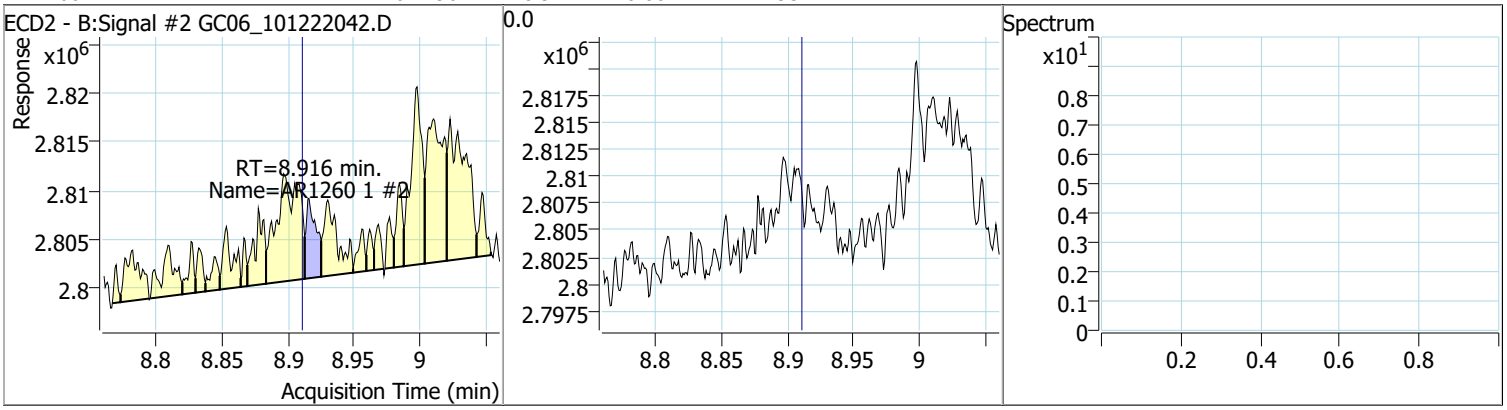
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	8.8574	8.46	0.12	42357				



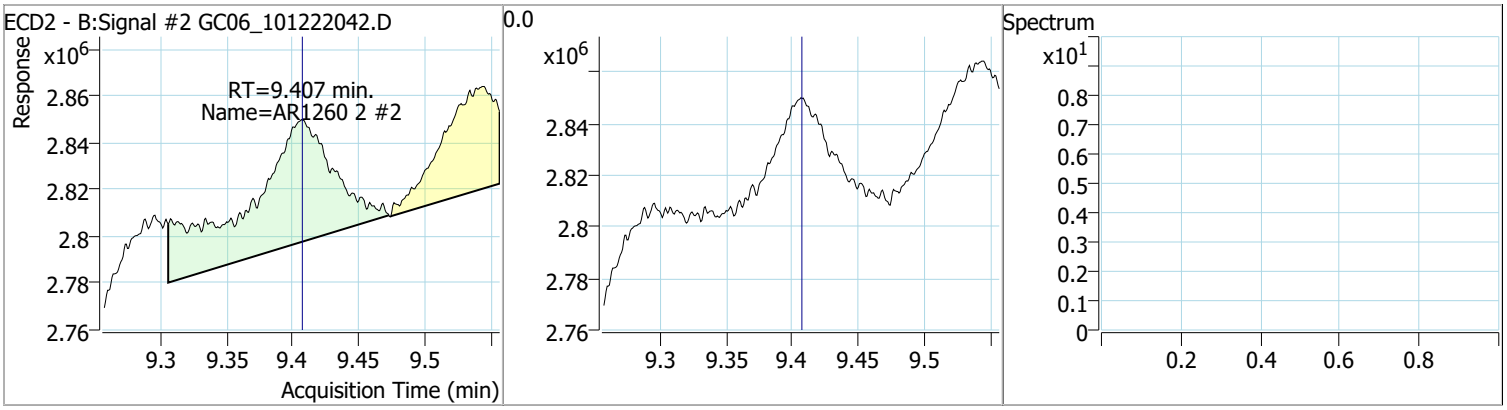
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.8055	8.90	0.00	28715				



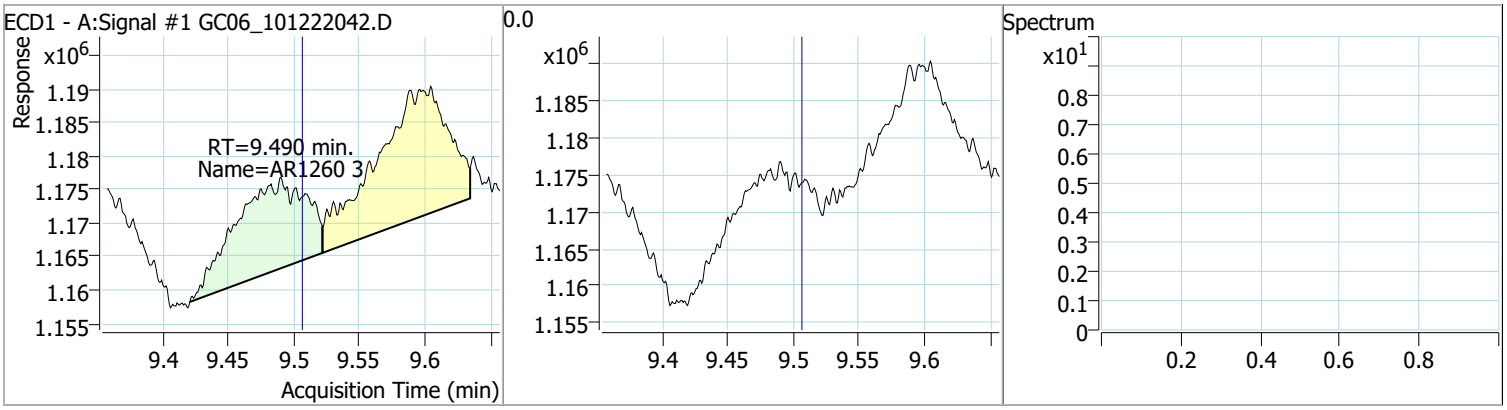
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.1496	8.92	0.00	4293				



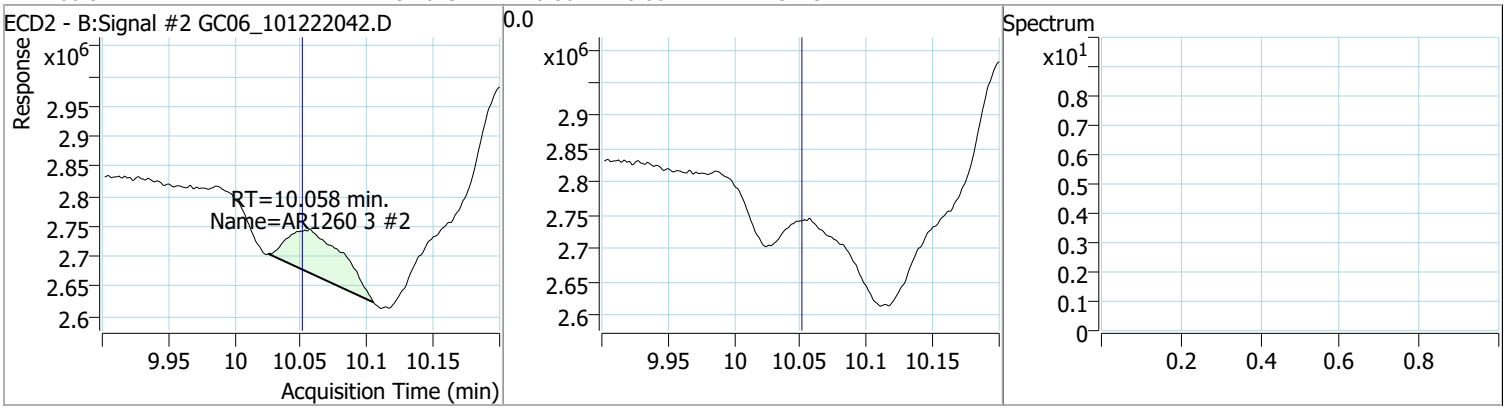
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	7.6609	9.41	0.00	246842				



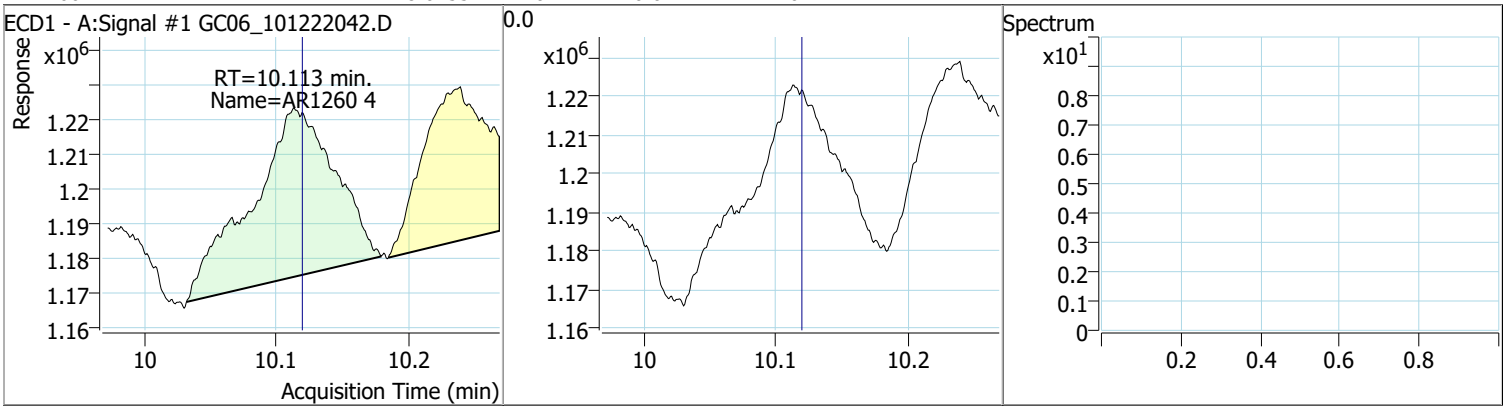
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.4923	9.49	-0.02	51290				



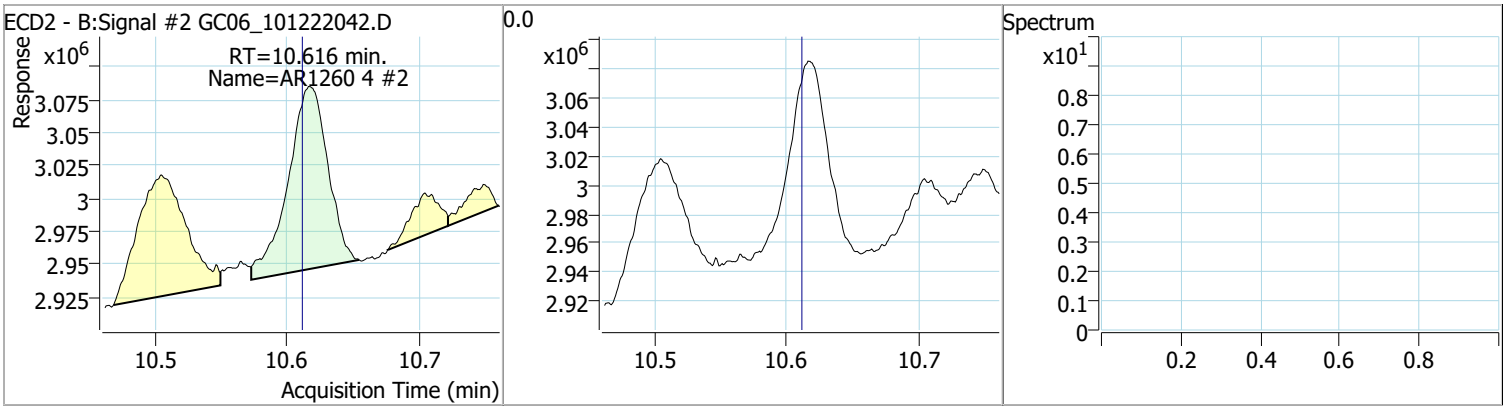
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.2043	10.06	0.00	215713				



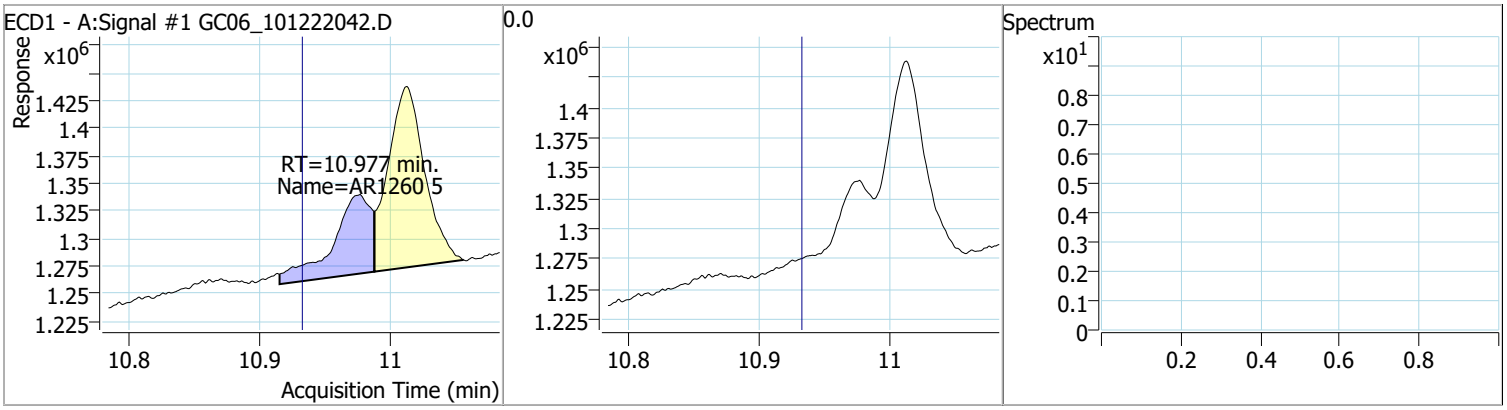
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	48.0255	10.11	-0.01	214041				



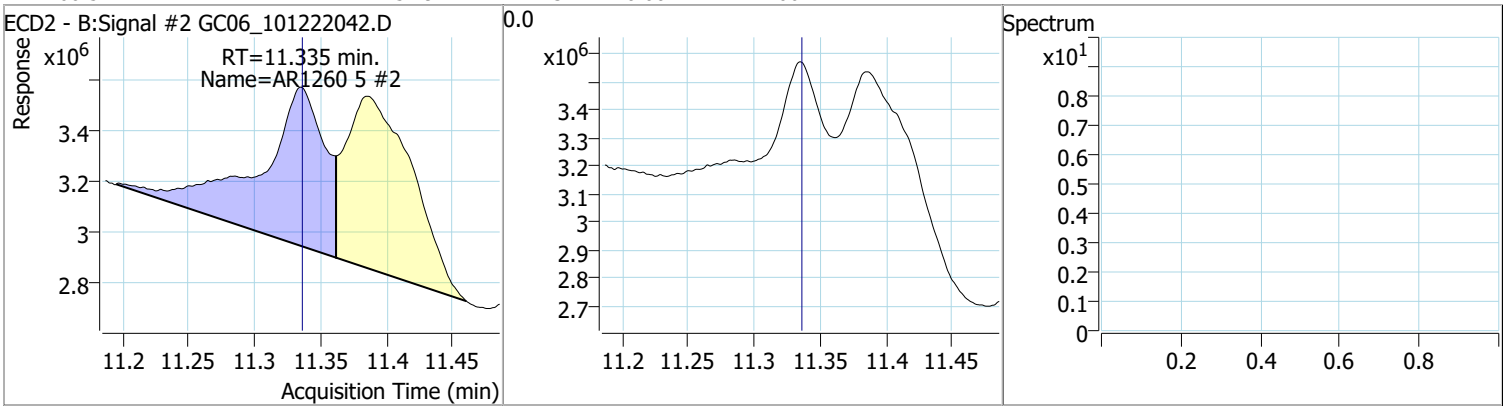
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AR1260 4 #2	10.5878	10.62	0.00	290453				



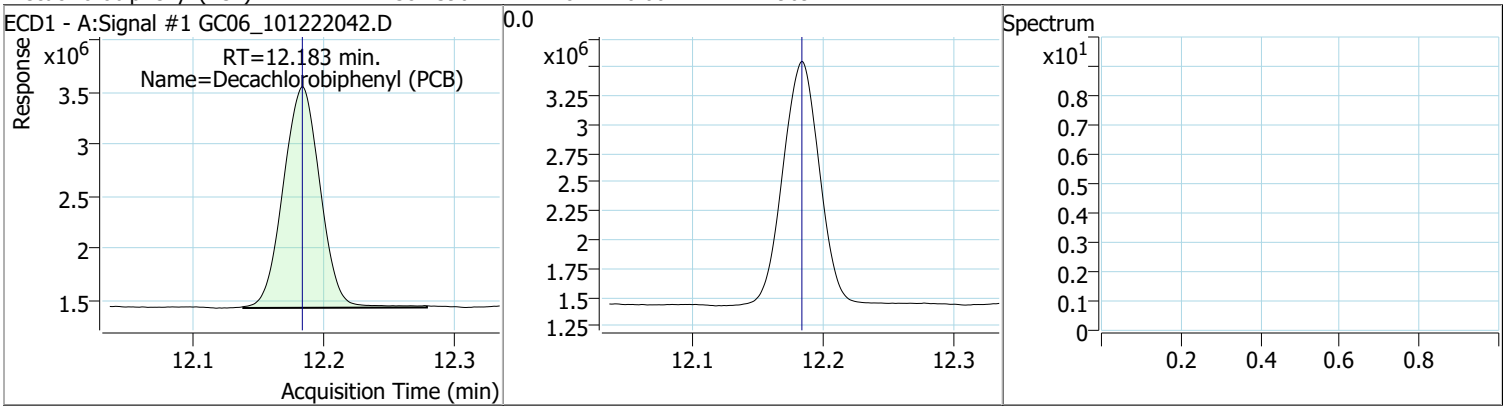
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	26.8751	10.98	0.04	148300				



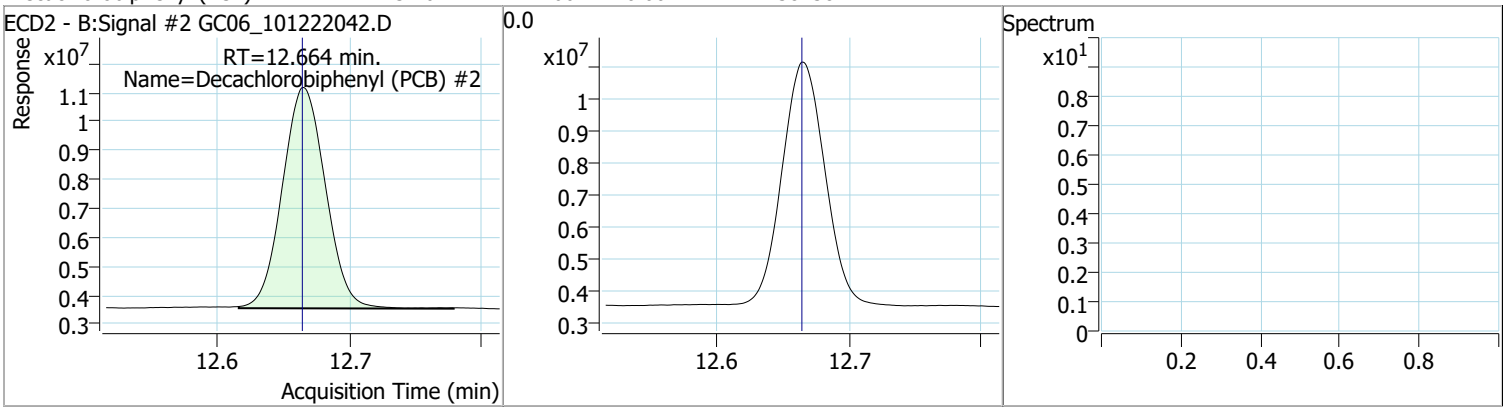
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	52.9427	11.34	0.00	2166714				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.4390	12.18	0.00	4190944				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.6271	12.66	0.00	17382381				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	470460-008	Client ID:	ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-P-LA
Seqnum:	452410975043	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_101222043	Batch:	298736	Time:	12-OCT-2022 21:14
Cal:	452369928002	Caldate:	14-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	9.261	ND	0.34	59%	1.0		u
Aroclor-1016 Peak # 1	B	4.312	0.09	0.56	147%			
Aroclor-1016 Peak # 2	B	6.050	0.12	0.10	23%			
Aroclor-1016 Peak # 3	B	26.91	0.54	0.72	28%			
Aroclor-1016 Peak # 4	B	2.624	0.05	0.07	23%			
Aroclor-1016 Peak # 5	B	6.412	0.13	0.25	66%			
Aroclor-1221	B		ND			1.0		u
Aroclor-1232	B		ND			1.0		u
Aroclor-1242	B		ND			1.0		u
Aroclor-1248	B		ND			1.0		u
Aroclor-1254	B		ND			1.0		u
Aroclor-1260	B	12.91	ND	0.50	65%	1.0		u
Aroclor-1260 Peak # 1	B	0.4331	0.01	1.02	197%			
Aroclor-1260 Peak # 2	B	3.769	0.08	0.05	39%			
Aroclor-1260 Peak # 3	B	0	ND	0.10				
Aroclor-1260 Peak # 4	B	7.357	0.15	0.58	119%			
Aroclor-1260 Peak # 5	B	52.98	1.06	0.78	31%			
Aroclor-1262	B		ND			1.0		u
Aroclor-1268	B		ND			1.0		u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	37.51	1.000	0.7502	75	52-186	u
Decachlorobiphenyl (PCB)	B	27.77	1.000	0.5553	56	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9052455	7382405	-18.45
1-bromo-2-nitrobenzene (PCB)	A	1846693	1403248	-24.01

ISTD (ICAL gc06_101222005)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	11871428	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2416508	**???**	**-100.00 ***

ISTD (ICAL gc06_101222007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	7925274	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1268)	A	1655647	**???**	**-100.00 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_101222005)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	3.92	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.11	**???**	

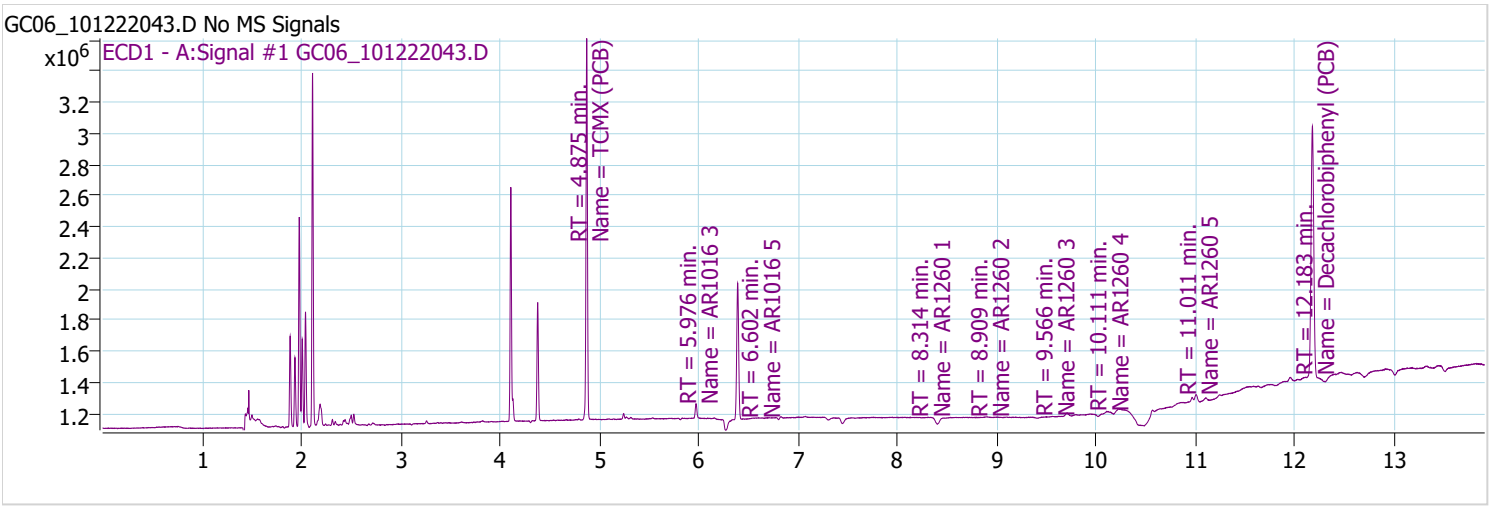
ISTD (ICAL gc06_101222007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	3.92	**???**	
1-bromo-2-nitrobenzene (1268)	A	4.11	**???**	

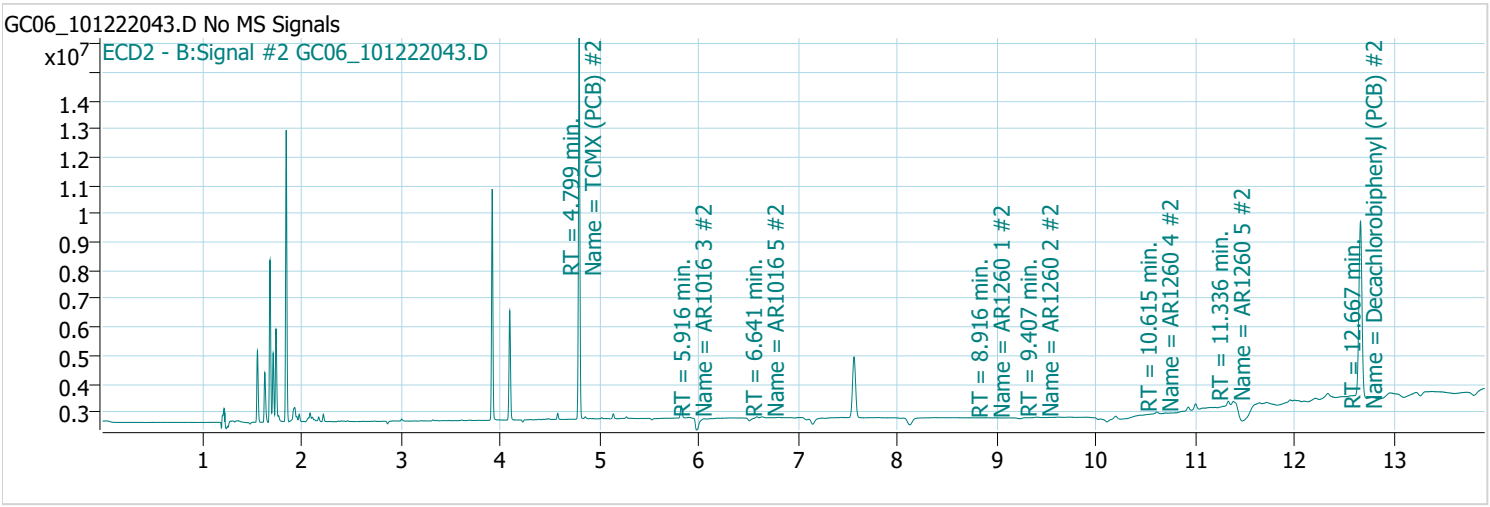
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Analyst: TRN 10/14/22 **Reviewer:** LW 10/19/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_101222043.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 9:14:48 PM
Sample Name	470460-008, 298736, 1	Instrument	SVOA-GC06
Vial	32	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222_pcb.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



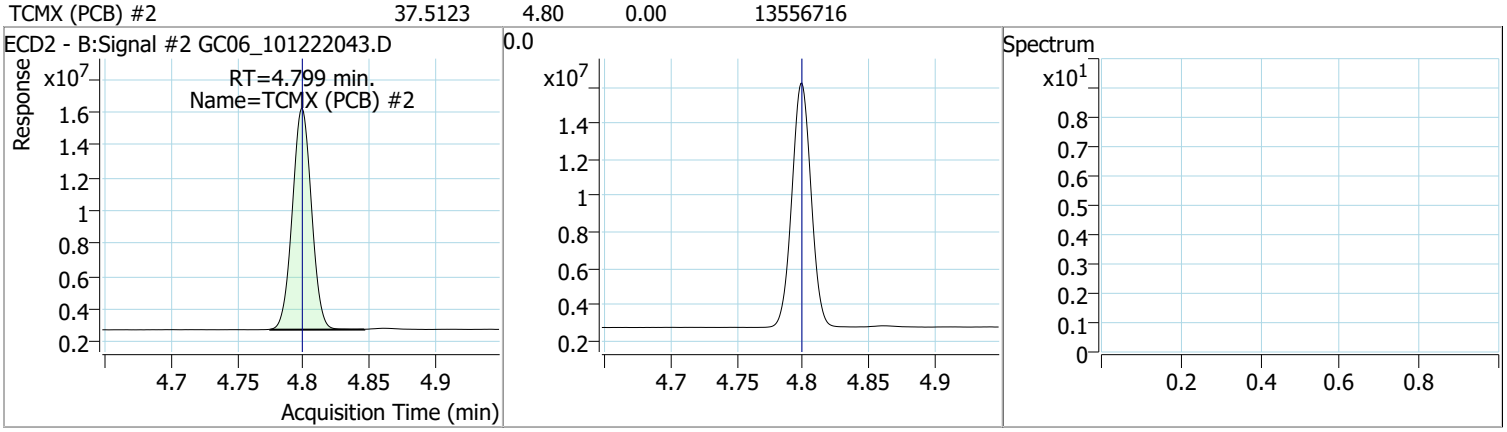


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.923	0.0	7382404.864	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.111	0.0	1403247.746	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.799	0.0	13556716.323	37.5123	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.56%		*	
S TCMX (PCB)	4.875	0.0	2516495.008	37.6494	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.25%		*	
S Decachlorobiphenyl (PCB)	12.183	0.0	3238631.130	34.4115	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.06%		*	
S Decachlorobiphenyl (PCB) #2	12.667	0.0	13597559.651	27.7671	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 138.84%			
Target Compounds							QValue

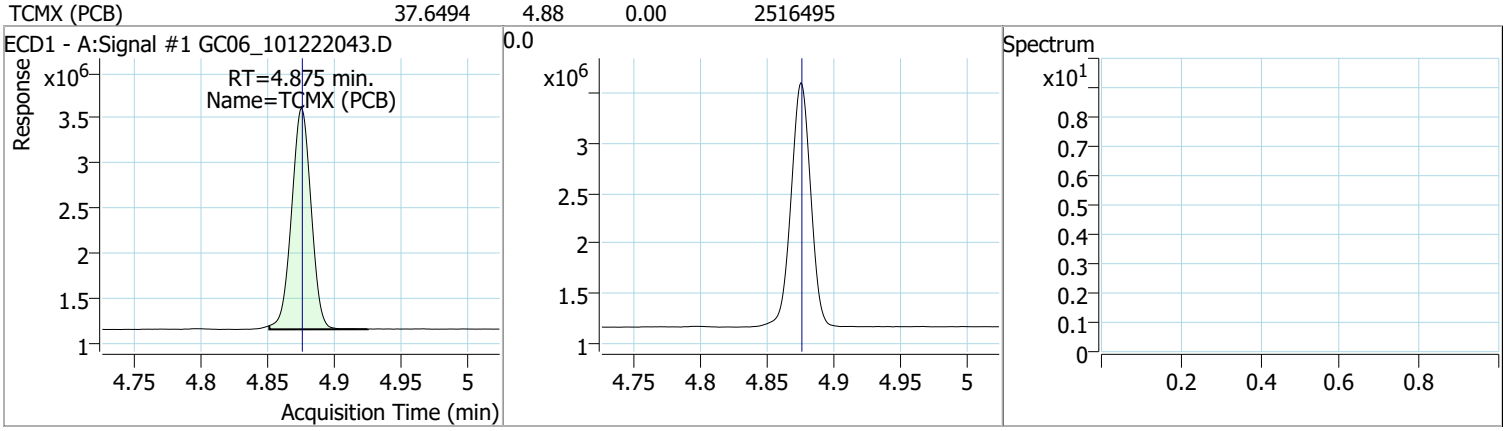
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.248	0.0	38841.678	28.2359	ng/ml	100
T AR1016 1 #2	5.228	0.0	31997.993	4.3119	ng/ml	100
T AR1016 2	5.536	0.0	14157.230	4.8148	ng/ml	100
T AR1016 2 #2	5.502	0.0	93635.233	6.0498	ng/ml	100
T AR1016 3	5.976	0.0	123944.252	35.7594	ng/ml	100
T AR1016 3 #2	5.916	0.0	541813.102	26.9065	ng/ml	100
T AR1016 4	6.090	0.0	8591.730	3.2933	ng/ml	100
T AR1016 4 #2	6.060	0.0	34916.963	2.6243	ng/ml	100
T AR1016 5	6.602	0.0	26483.667	12.6938	ng/ml	100
T AR1016 5 #2	6.641	0.0	72032.534	6.4121	ng/ml	100
T AR1260 1	8.314	0.0	209789.524	50.8221	ng/ml	100
T AR1260 2	8.909	0.0	16572.121	2.5443	ng/ml	100
T AR1260 1 #2	8.916	0.0	11074.995	0.4331	ng/ml	100
T AR1260 2 #2	9.407	0.0	108201.554	3.7689	ng/ml	100
T AR1260 3	9.566	0.0	34337.189	5.0351	ng/ml	100
T AR1260 3 #2	0.000		0	N.D.		
T AR1260 4	10.111	0.0	111545.931	28.9943	ng/ml	100
T AR1260 4 #2	10.615	0.0	179821.207	7.3568	ng/ml	100
T AR1260 5	11.011	0.0	184738.392	38.7837	ng/ml	100
T AR1260 5 #2	11.336	0.0	1932046.805	52.9836	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

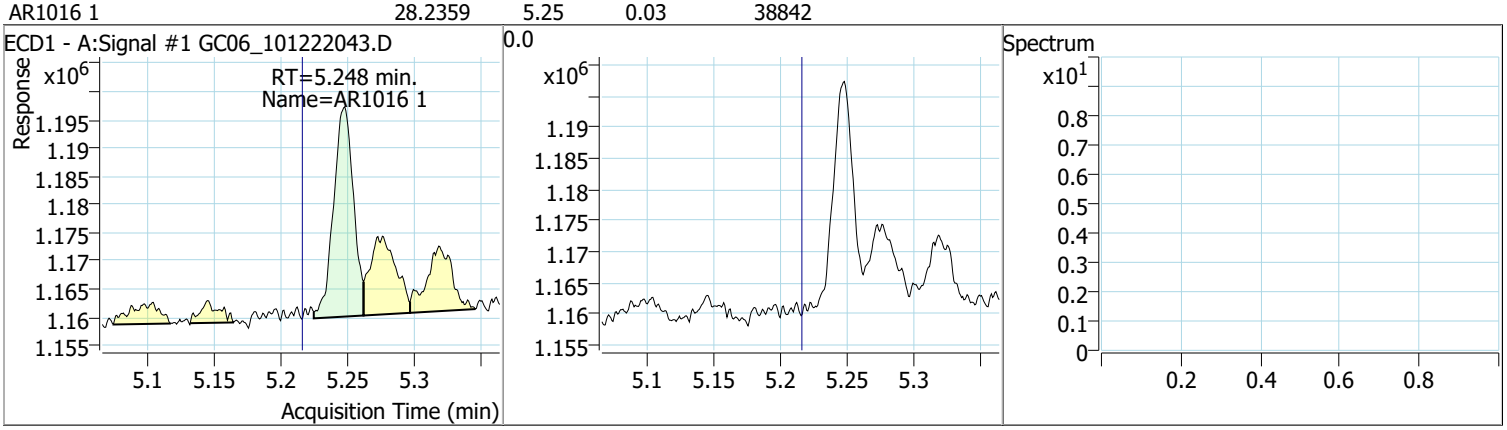
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.5123	4.80	0.00	13556716				



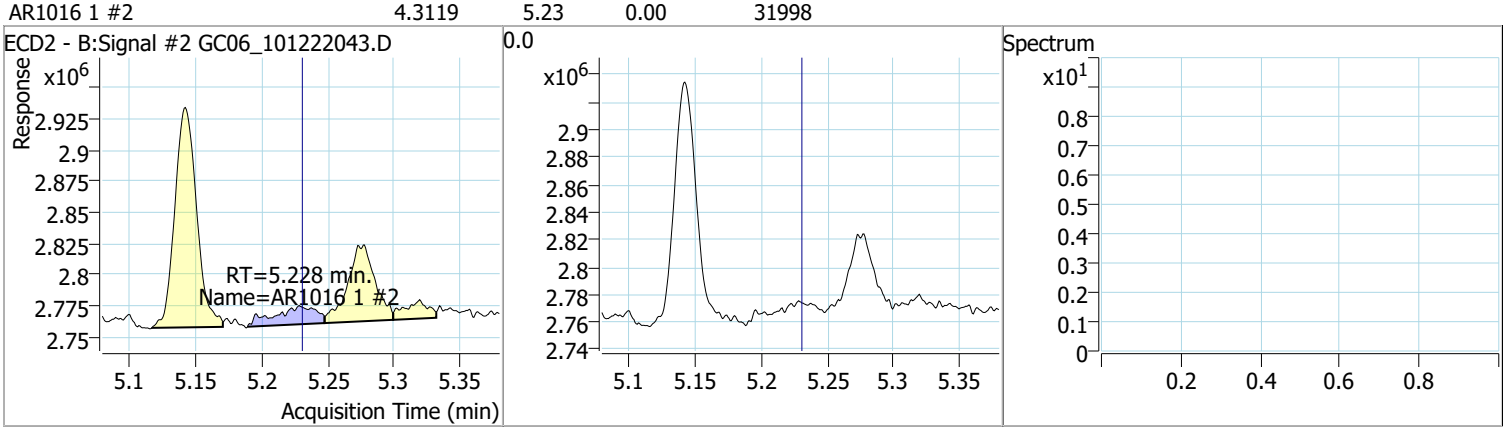
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	37.6494	4.88	0.00	2516495				



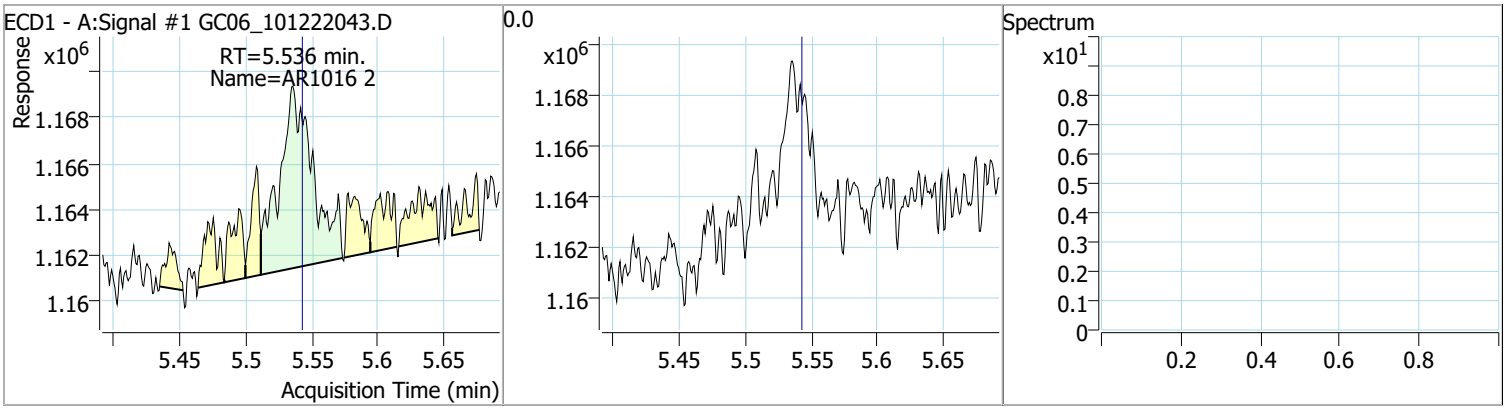
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	28.2359	5.25	0.03	38842				



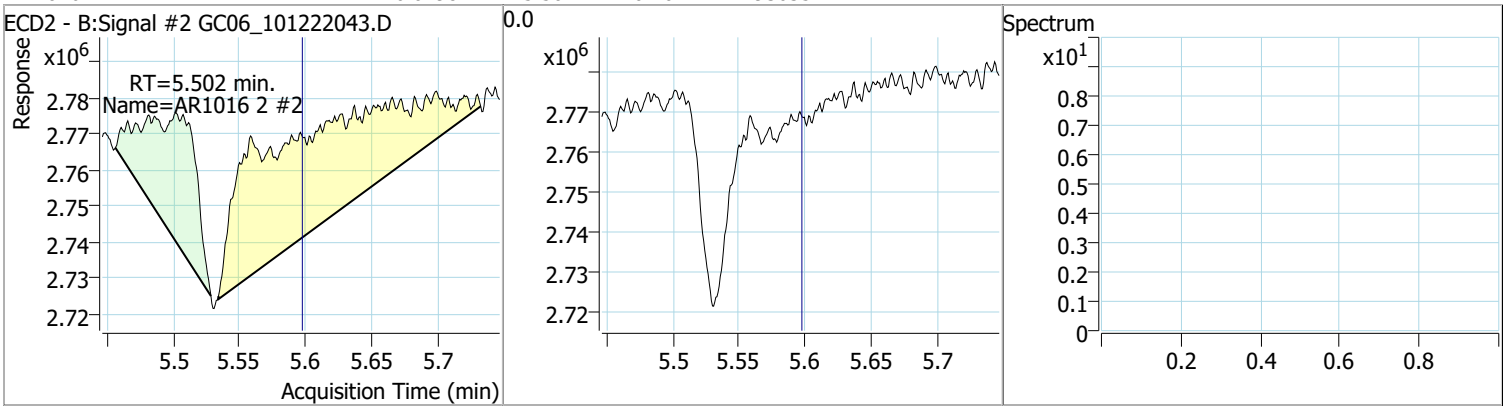
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	4.3119	5.23	0.00	31998				



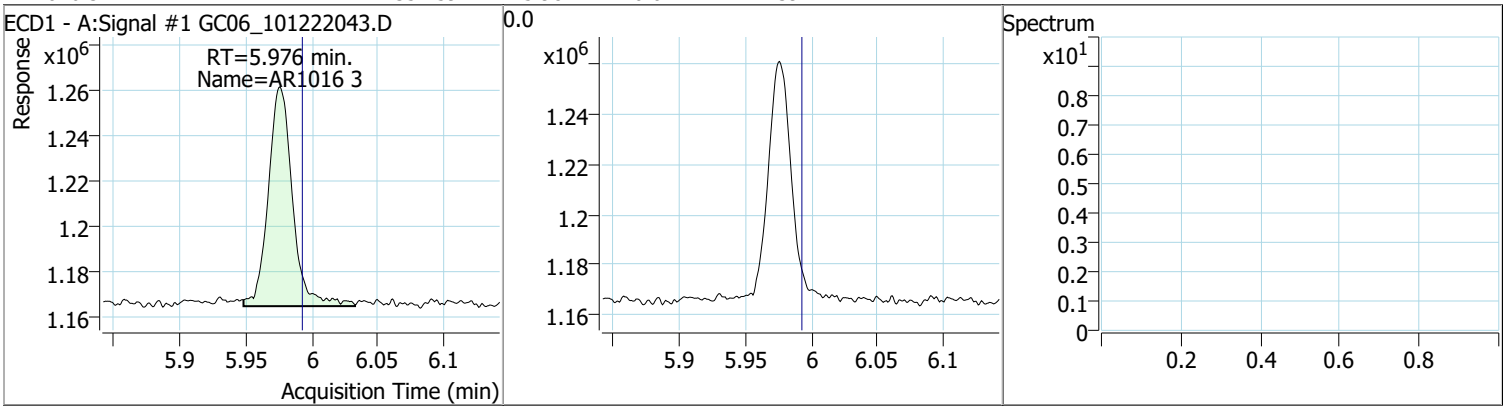
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	4.8148	5.54	-0.01	14157				



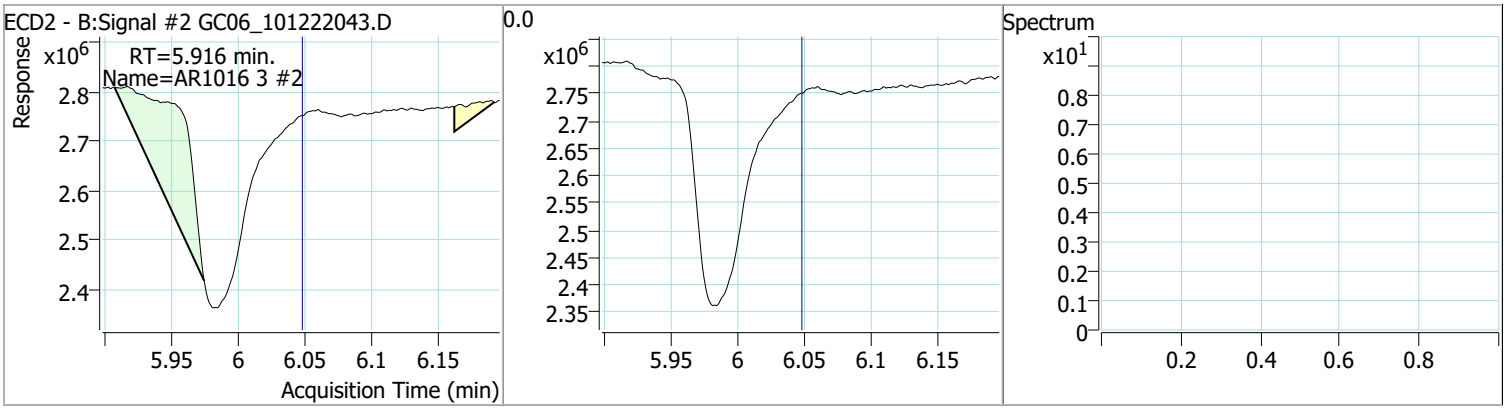
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	6.0498	5.50	-0.10	93635				



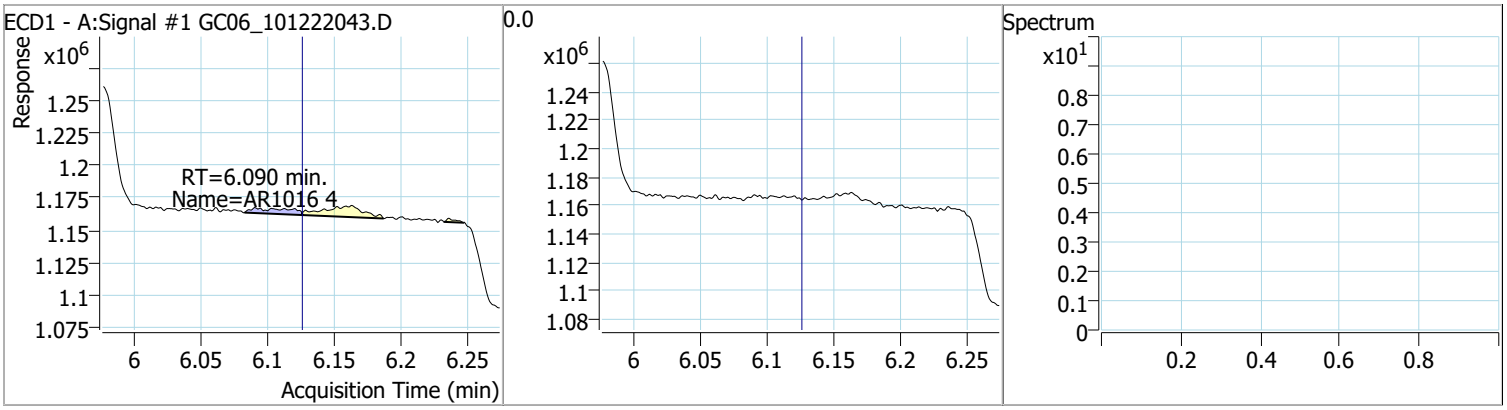
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	35.7594	5.98	-0.02	123944				



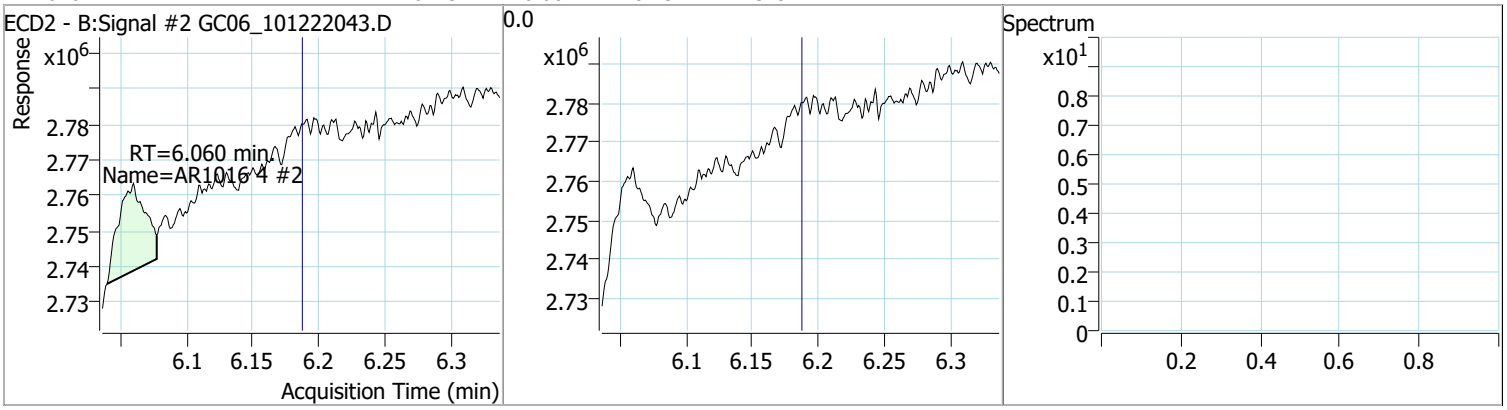
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	26.9065	5.92	-0.13	541813				



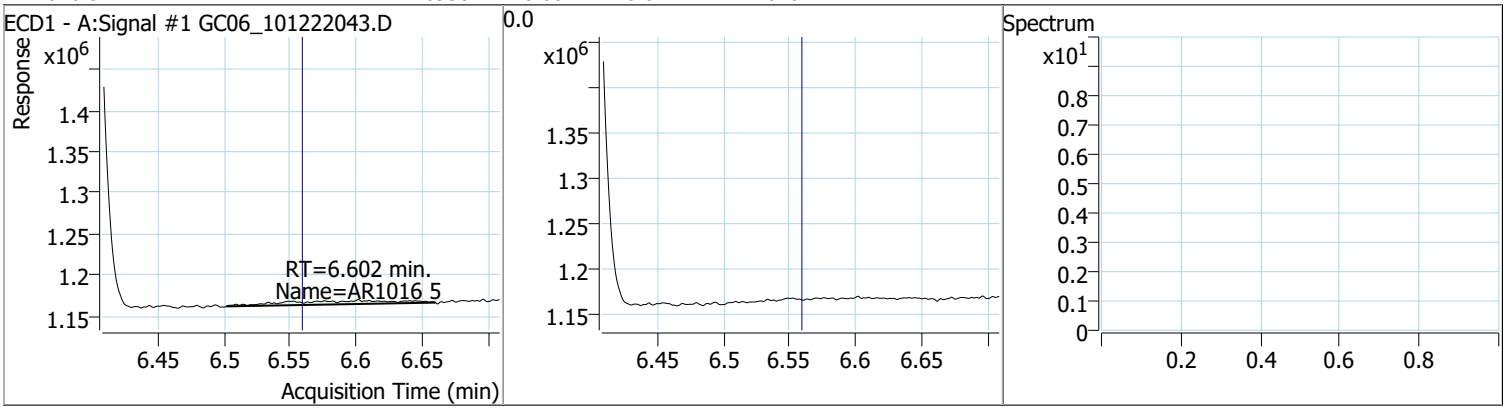
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	3.2933	6.09	-0.04	8592				



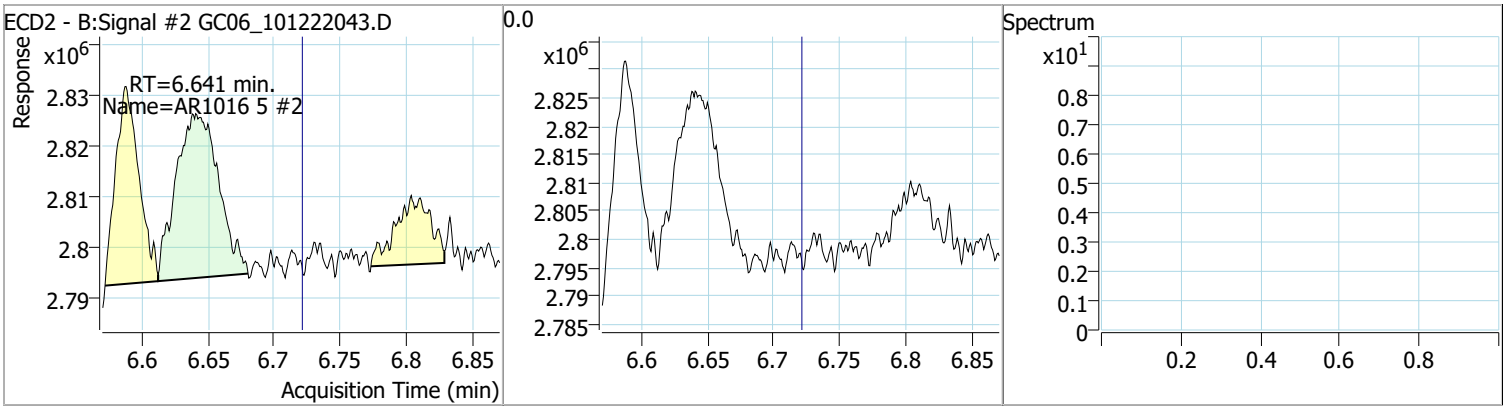
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.6243	6.06	-0.13	34917				



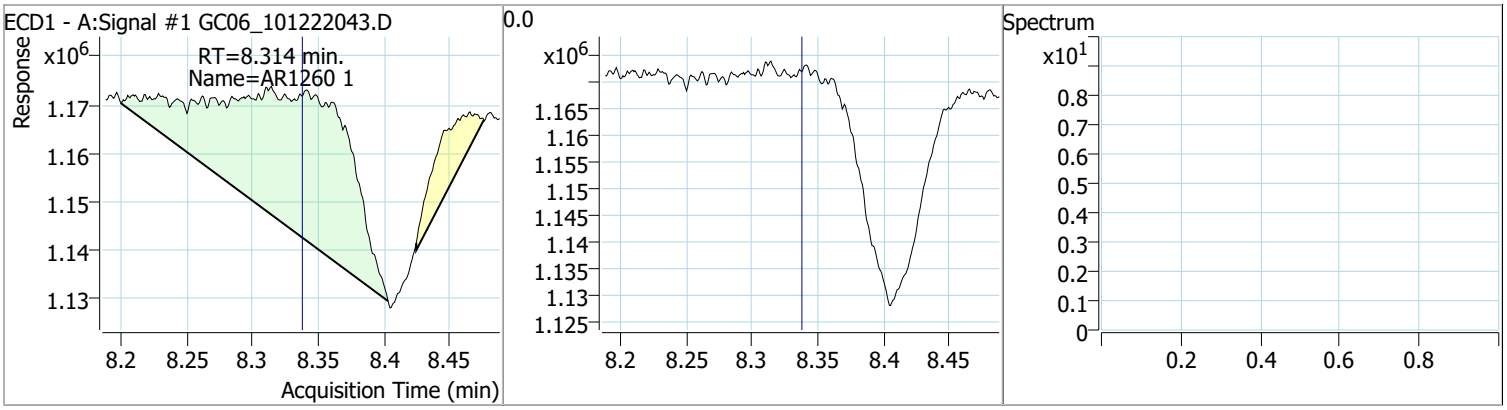
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	12.6938	6.60	0.04	26484				



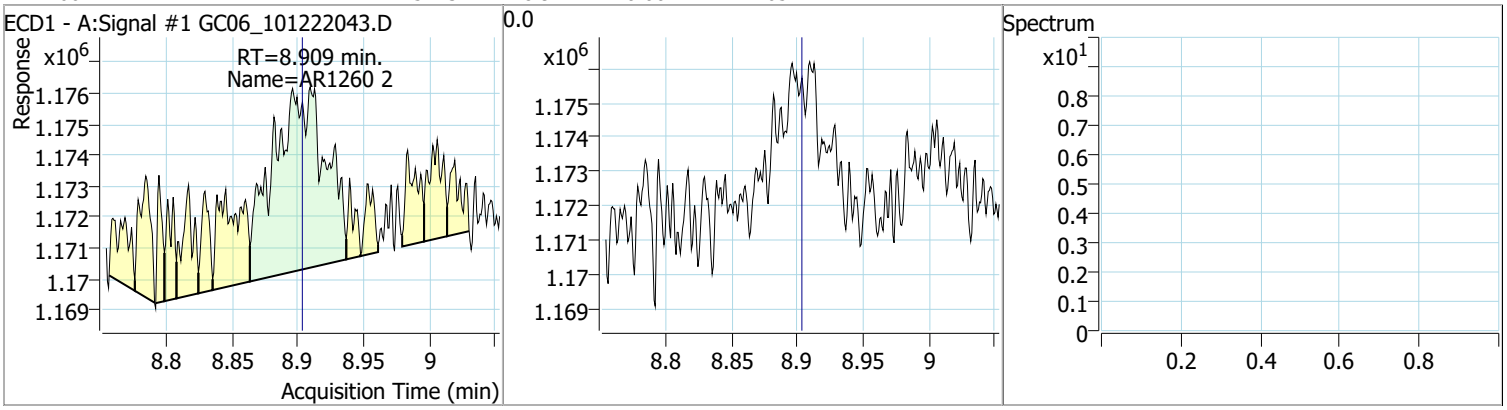
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	6.4121	6.64	-0.08	72033				



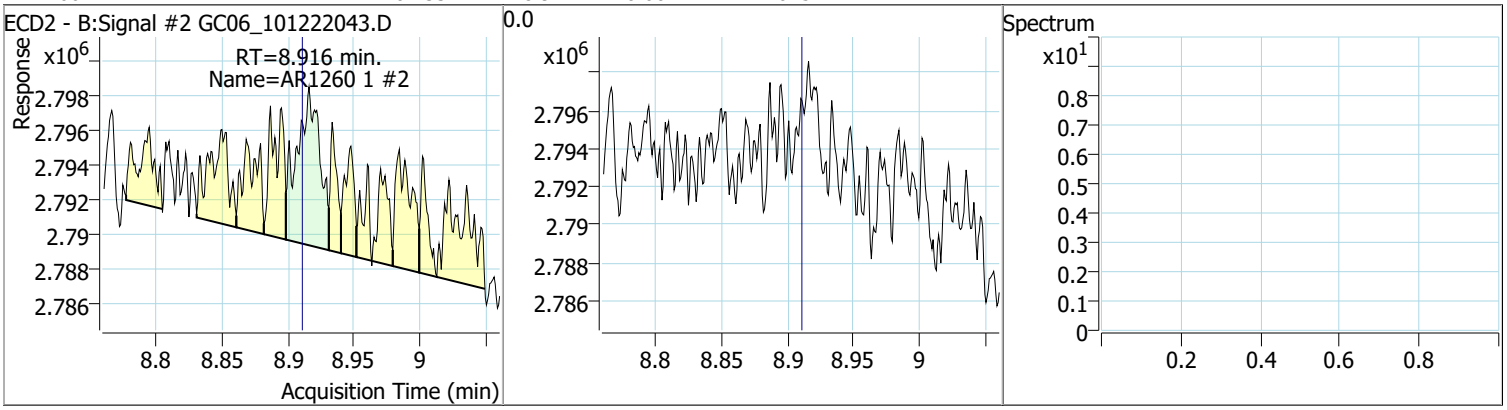
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	50.8221	8.31	-0.03	209790				



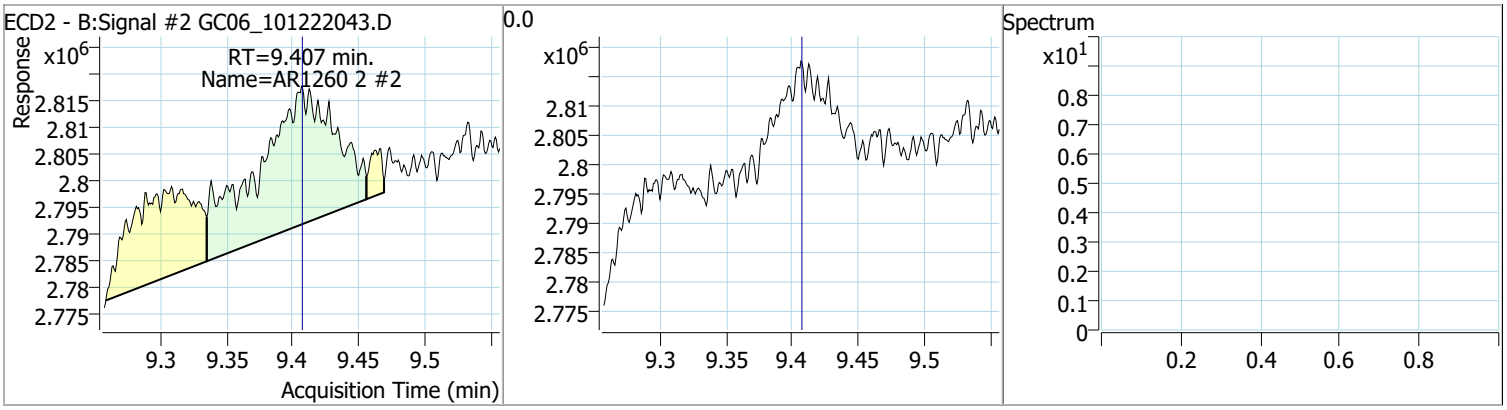
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.5443	8.91	0.00	16572				



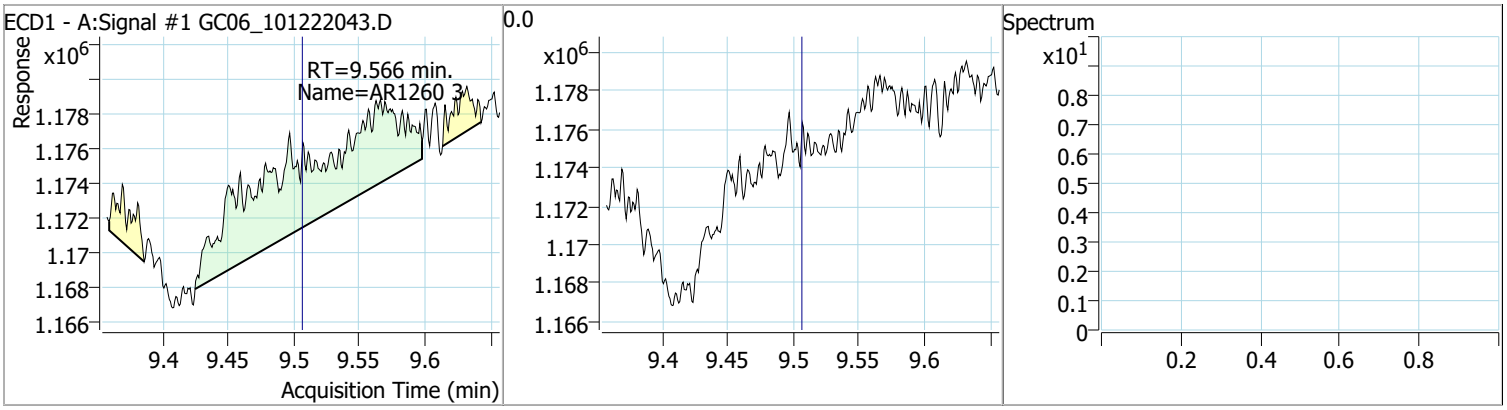
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.4331	8.92	0.00	11075				



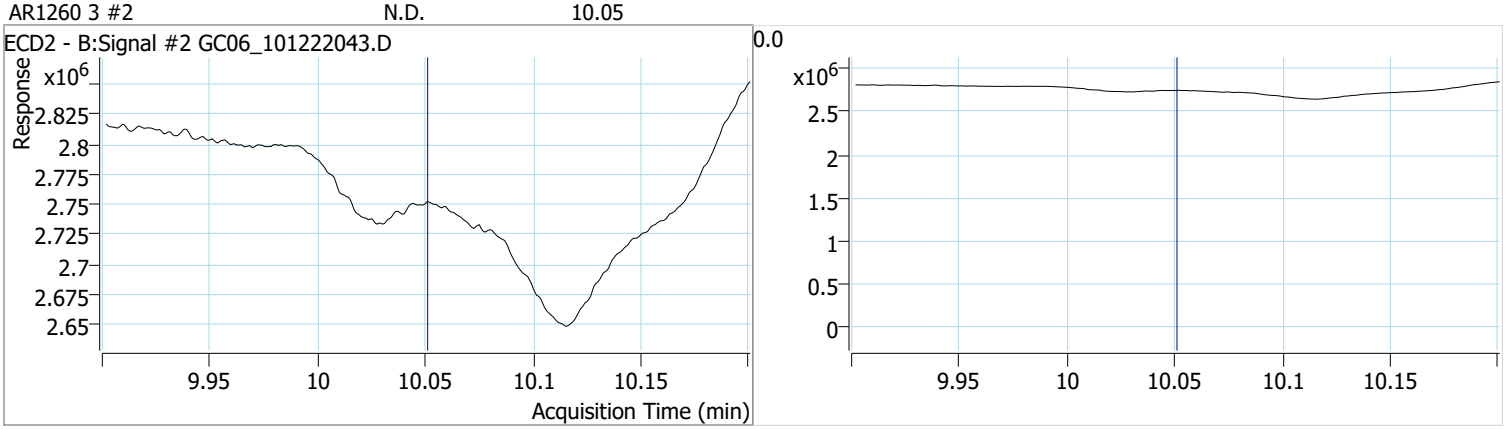
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.7689	9.41	0.00	108202				



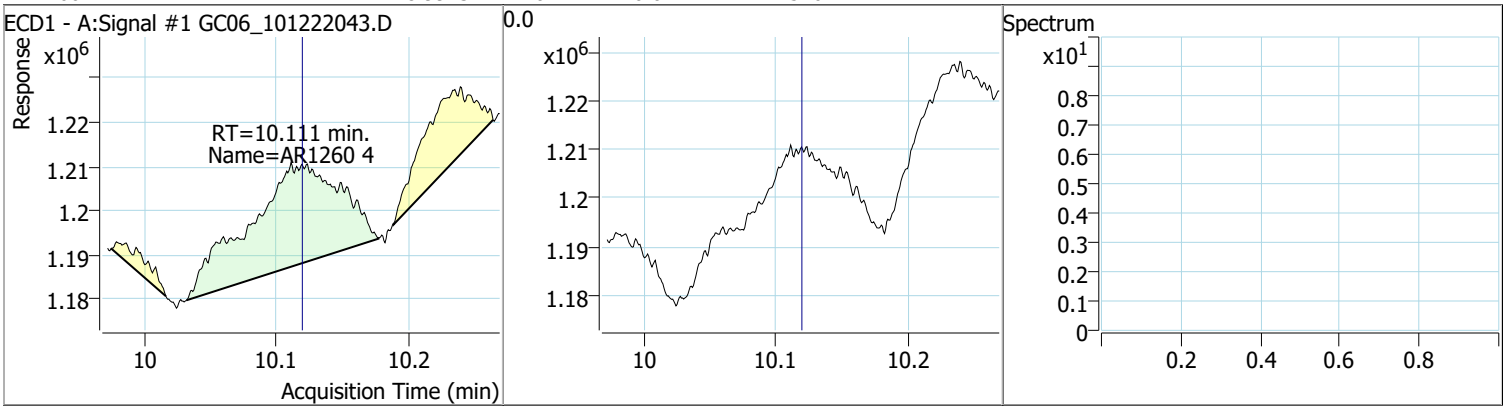
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	5.0351	9.57	0.06	34337				



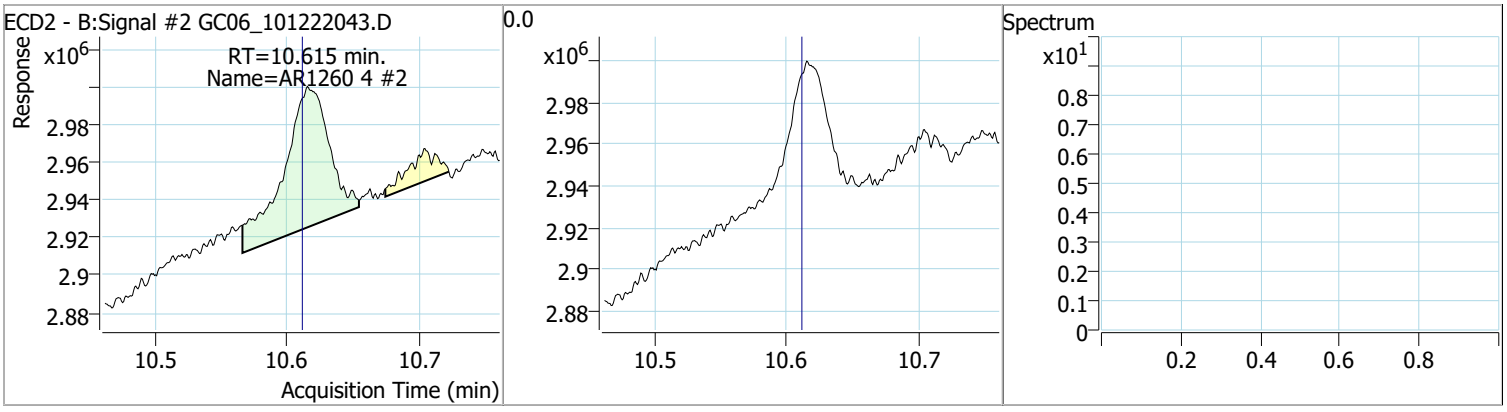
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3 #2	N.D.	10.05		



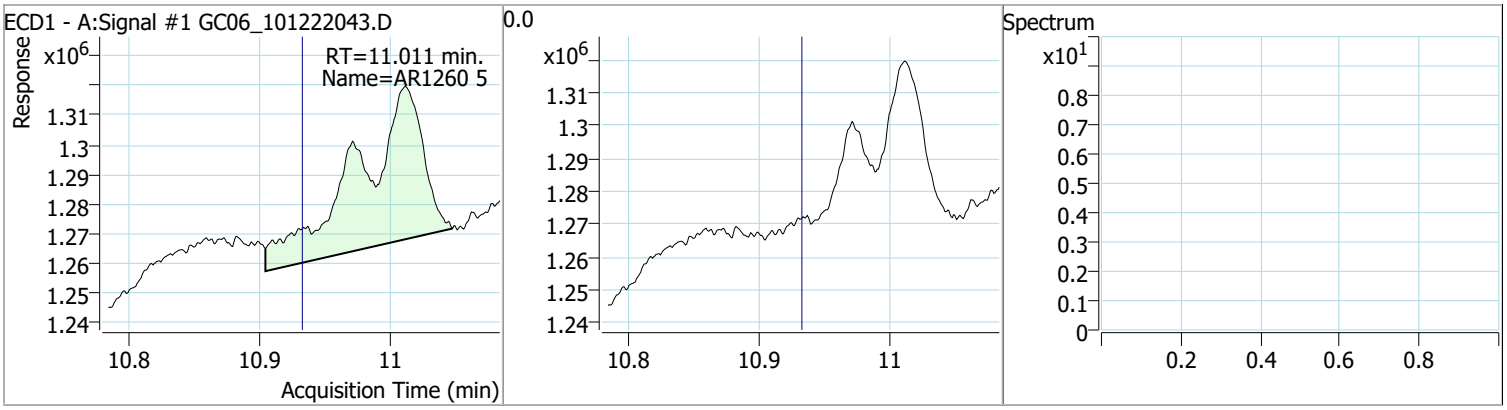
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	28.9943	10.11	-0.01	111546				



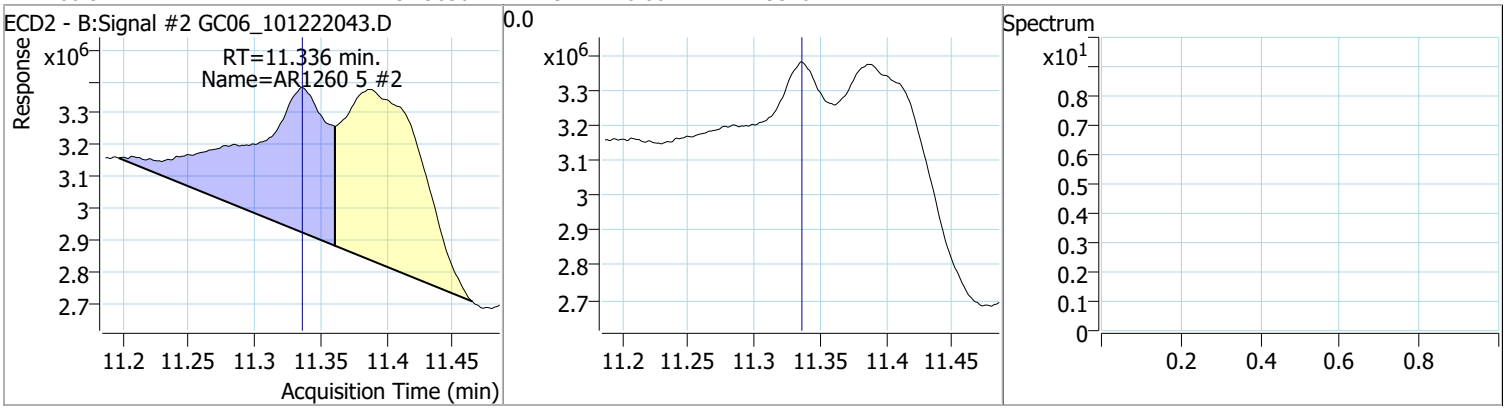
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.3568	10.62	0.00	179821				



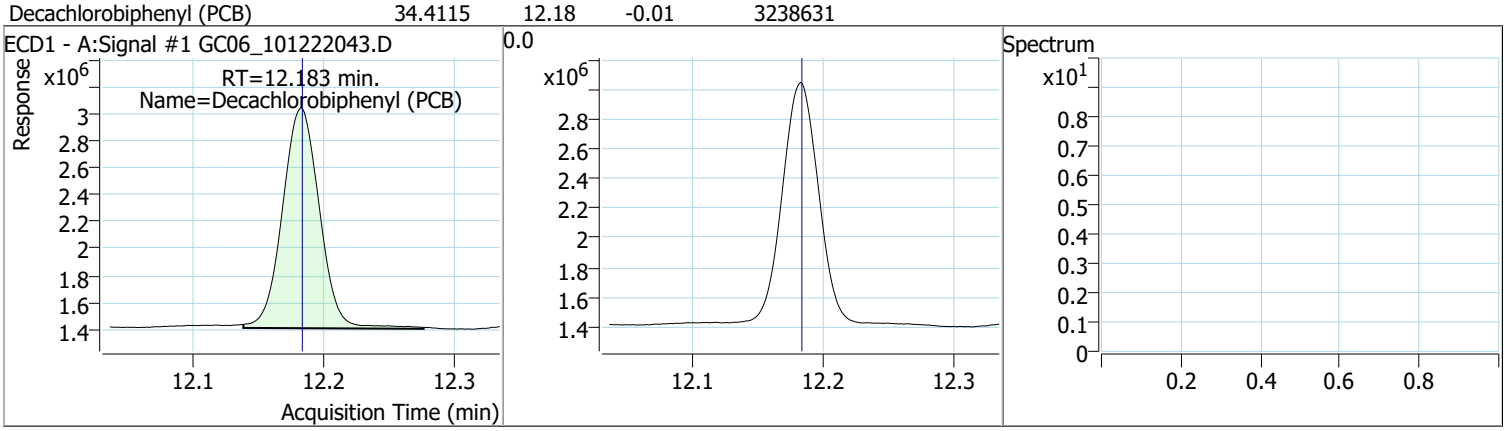
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	38.7837	11.01	0.07	184738				



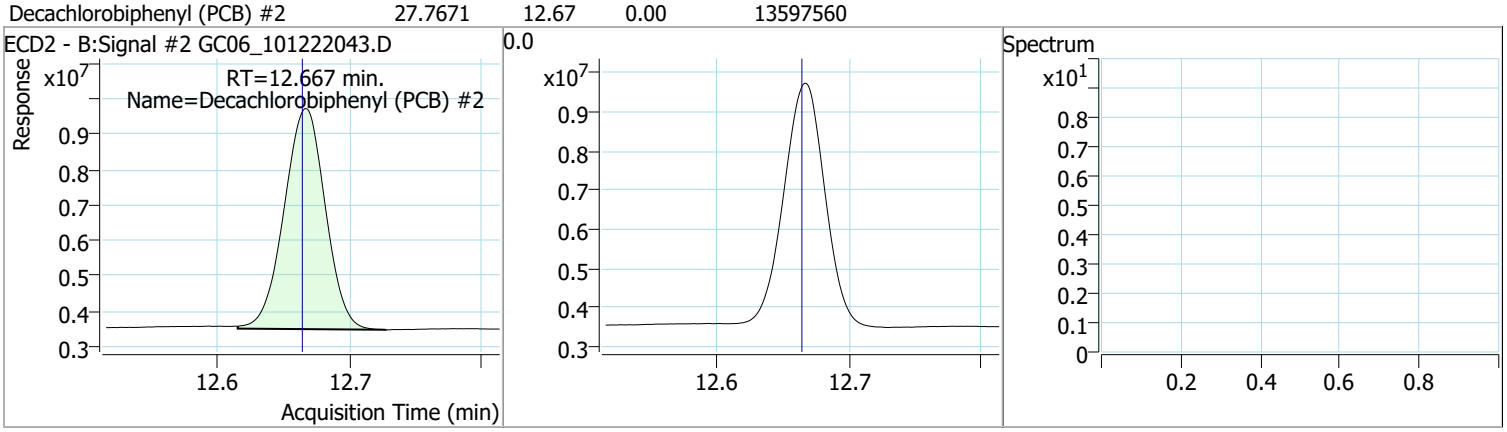
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	52.9836	11.34	0.00	1932047				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.4115	12.18	-0.01	3238631				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	27.7671	12.67	0.00	13597560				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	470460-010	Client ID:	ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008-P-LA
Seqnum:	452410975044.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_101222044	Batch:	298736	Time:	12-OCT-2022 21:32
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	452369928002	31.64	~~0.63~~ ~~FP~~	0.17	116%	0.50		x u
Aroclor-1016 Peak # 1	A	452369928002	26.59	0.53	0.39	31%			
Aroclor-1016 Peak # 2	A	452369928002	3.629	0.07	0.12	50%			
Aroclor-1016 Peak # 3	A	452369928002	43.97	0.88	0.01	194%			
Aroclor-1016 Peak # 4	A	452369928002	76.02	1.52	0.09	179%			
Aroclor-1016 Peak # 5	A	452369928002	8.014	0.16	0.23	36%			
Aroclor-1221	A			ND			0.50		u
Aroclor-1232	A			ND			0.50		u
Aroclor-1242	A			ND			0.50		u
Aroclor-1248	A			ND			0.50		u
Aroclor-1254	A			ND			0.50		u
Aroclor-1260	A	452369928002	15.48	ND	0.25	22%	0.50		u
Aroclor-1260 Peak # 1	A	452369928002	7.892	0.16	0.03	141%			
Aroclor-1260 Peak # 2	A	452369928002	3.801	0.08	0.10	25%			
Aroclor-1260 Peak # 3	A	452369928002	3.505	0.07	0.09	28%			
Aroclor-1260 Peak # 4	A	452369928002	36.99	0.74	0.19	119%			
Aroclor-1260 Peak # 5	A	452369928002	25.22	0.50	0.83	49%			
Aroclor-1262	A			ND			0.50		u
Aroclor-1268	A	452410975002	25.65	~~0.51~~ ~~FP~~	0.53	4%	0.50		?v x u
Aroclor-1268 Peak # 1	A	452410975002	44.33	0.89	1.23	33%			
Aroclor-1268 Peak # 2	A	452410975002	49.67	0.99	0.31	106%			
Aroclor-1268 Peak # 3	A	452410975002	9.336	0.19	0.26	32%			
Aroclor-1268 Peak # 4	A	452410975002	2.628	0.05	0.80	175%			
Aroclor-1268 Peak # 5	A	452410975002	22.31	0.45	0.06	149%			

Surrogate	Ch	Cal	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	452369928002	33.20	1.000	0.6639	66	52-186	u
Decachlorobiphenyl (PCB)	A	452369928002	25.69	1.000	0.5137	51	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9052455	9787050	8.11
1-bromo-2-nitrobenzene (PCB)	A	1846693	1867305	1.12

ISTD (ICAL gc06_101222005)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	11871428	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2416508	**???**	**-100.00 ***

ISTD (ICAL gc06_101222007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	7925274	9779472	23.40
1-bromo-2-nitrobenzene (1268)	A	1655647	1854531	12.01

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_101222005)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	3.92	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.11	**???**	

ISTD (ICAL gc06_101222007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (1268)	A	4.11	4.11	0.00

LW 10/20/22 : 1268 1B, 2A, 3B have significant interference. 1268 4B and 5A have RT shifts. There are not three usable peaks

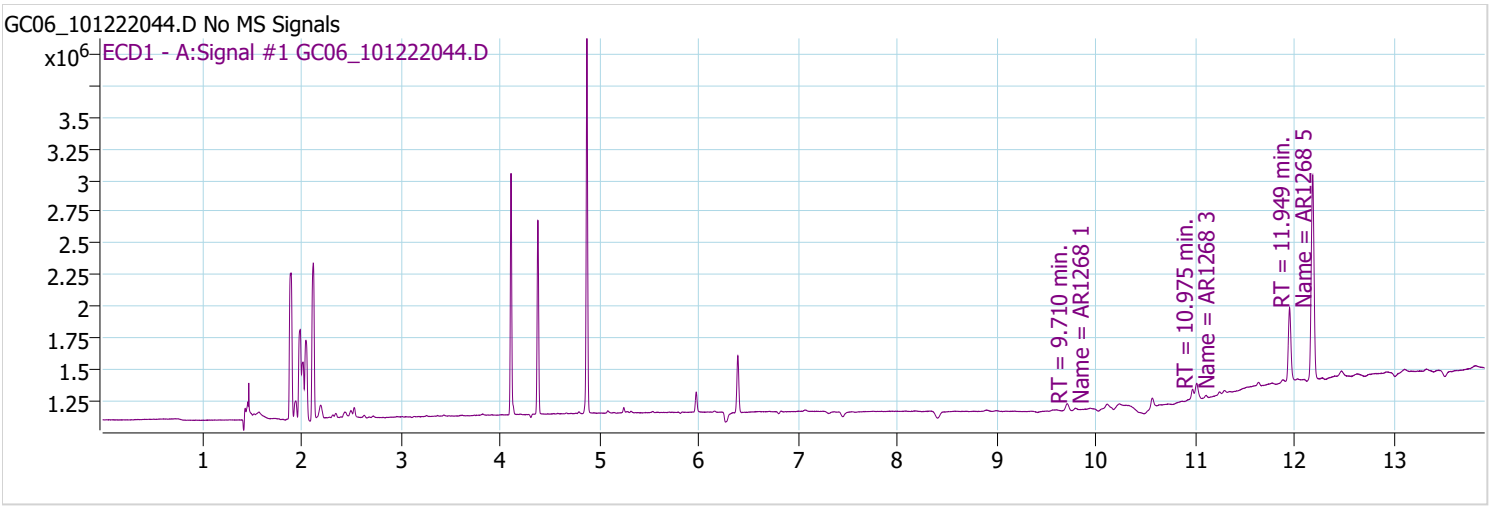
?=missing u=use v=ICV out x=false positive

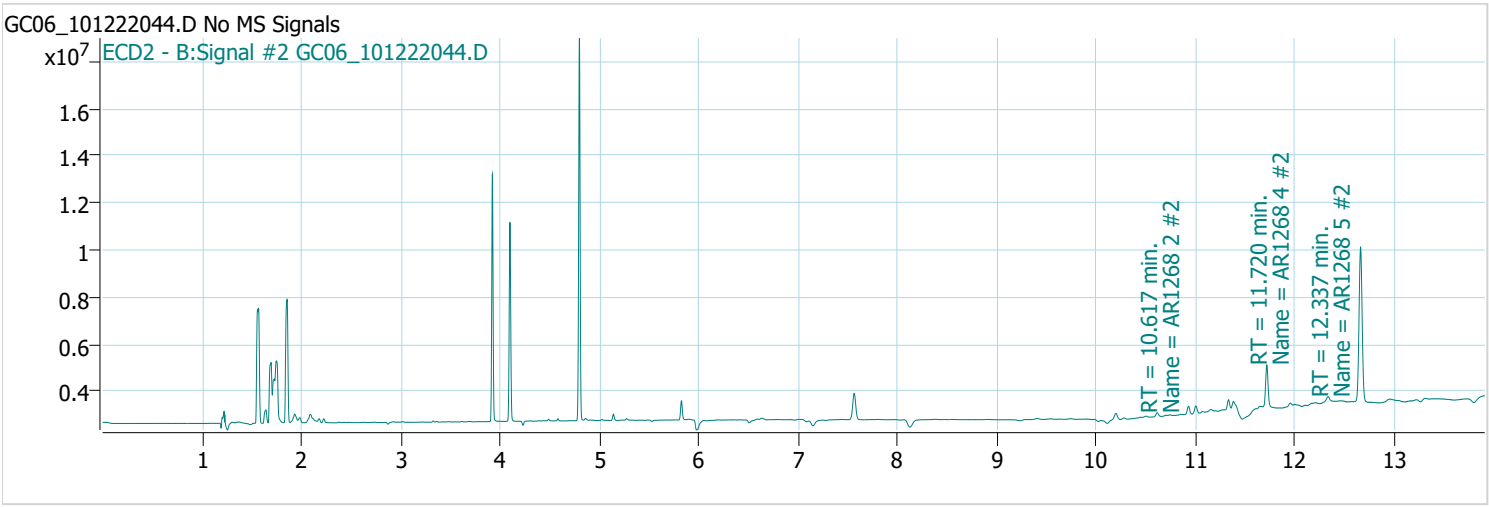
Analyst: TRN 10/19/22 *

Reviewer: LW 10/20/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_101222044.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 9:32:07 PM
Sample Name	470460-010, 298736, 1	Instrument	SVOA-GC06
Vial	33	Multiplier	1.00
DA Method File	PCB_AR1268_101222_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222ar1268.batch.bin	Last Calib Update	10/14/2022 6:34:16 PM
Ref Library			



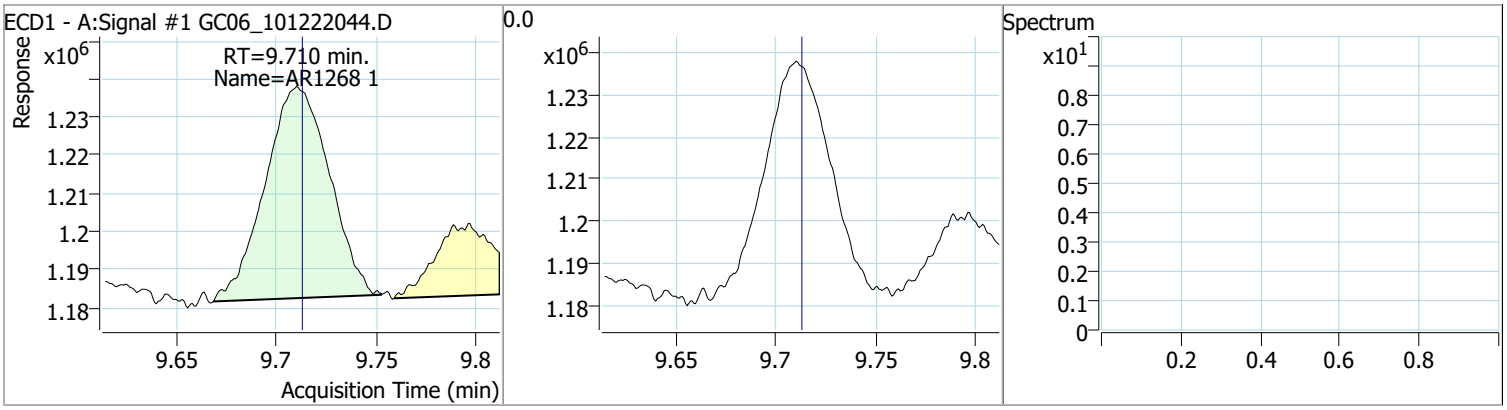


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268) #2	3.924	0.0	9779471.911	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (1268)	4.112	0.0	1854530.635	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	9.710	0.0	125535.706	44.3330	ng/ml	100
T AR1268 2	10.115	0.0	189379.675	49.6663	ng/ml	100
T AR1268 1 #2	10.200	0.0	936486.036	61.5754	ng/ml	100
T AR1268 2 #2	10.617	0.0	308079.102	15.3161	ng/ml	100
T Aroclor-1268	10.799	0.0	313866.872	18.6107	ng/ml	
T AR1268 3	10.975	0.0	156526.266	9.3359	ng/ml	100
T AR1268 4	11.248	0.0	34856.716	2.6285	ng/ml	100
T AR1268 3 #2	11.335	0.0	1108976.199	12.9582	ng/ml	100
T AR1268 4 #2	11.720	0.0	2662992.197	40.1940	ng/ml	100

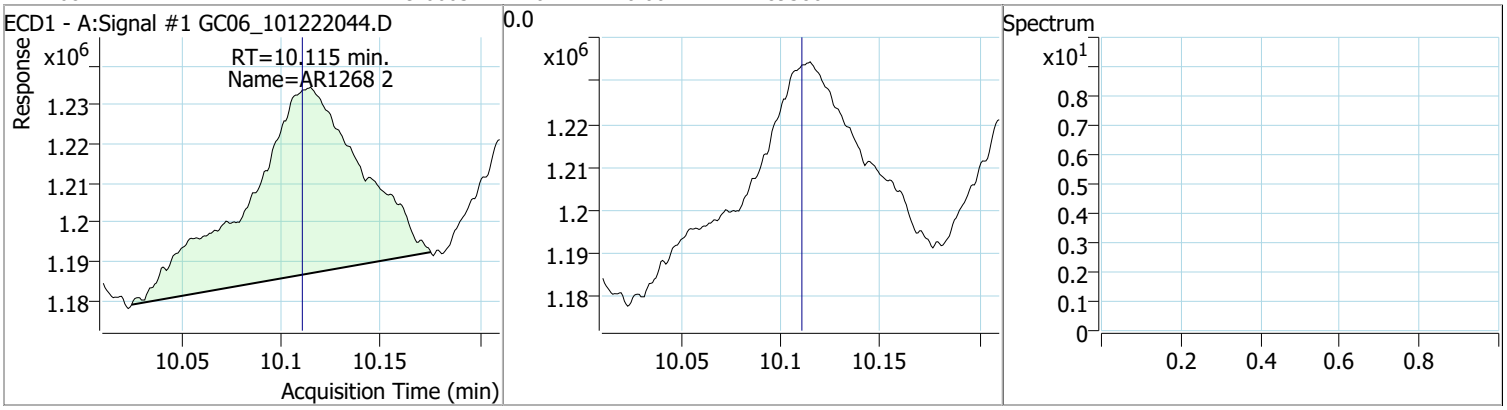
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T Aroclor-1268 #2	11.242	0.0	1148977.896	13.9099	ng/ml	
T AR1268 5	11.949	0.0	1063035.998	22.3082	ng/ml	100
T AR1268 5 #2	12.337	0.0	728355.946	3.2250	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

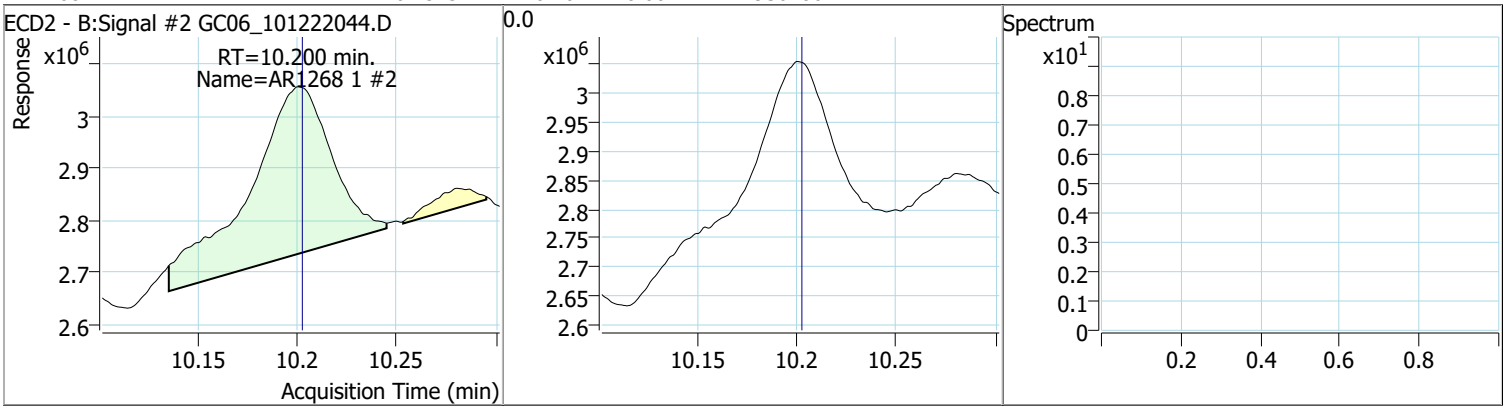
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	44.3330	9.71	0.00	125536				



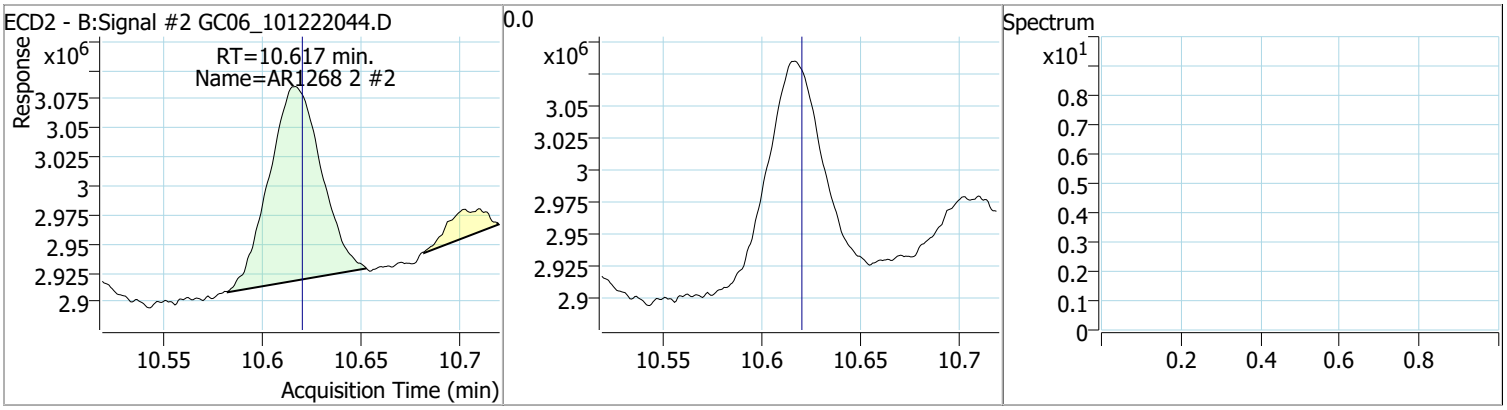
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	49.6663	10.12	0.00	189380				



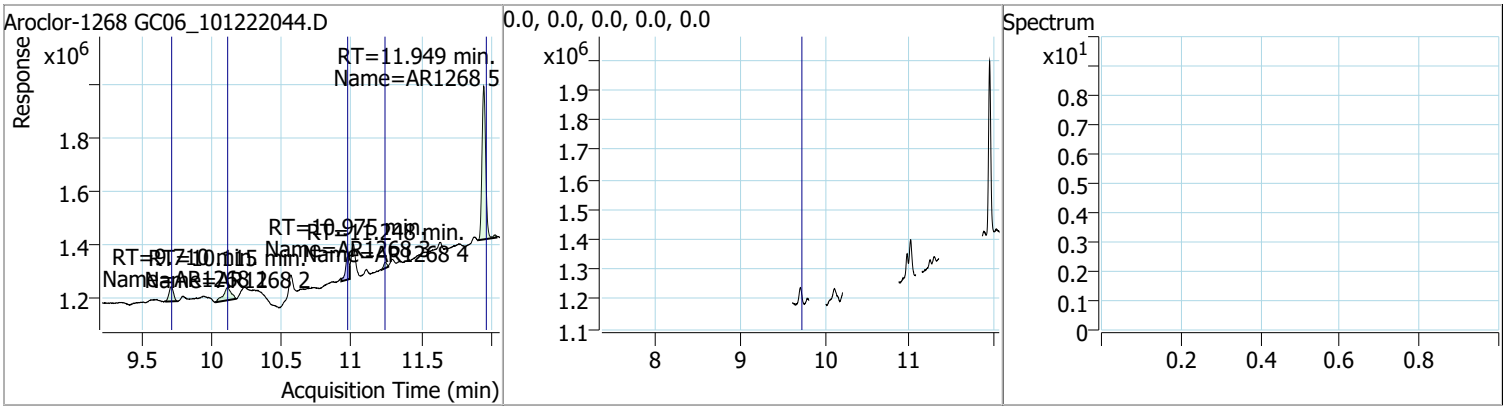
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	61.5754	10.20	0.00	936486				



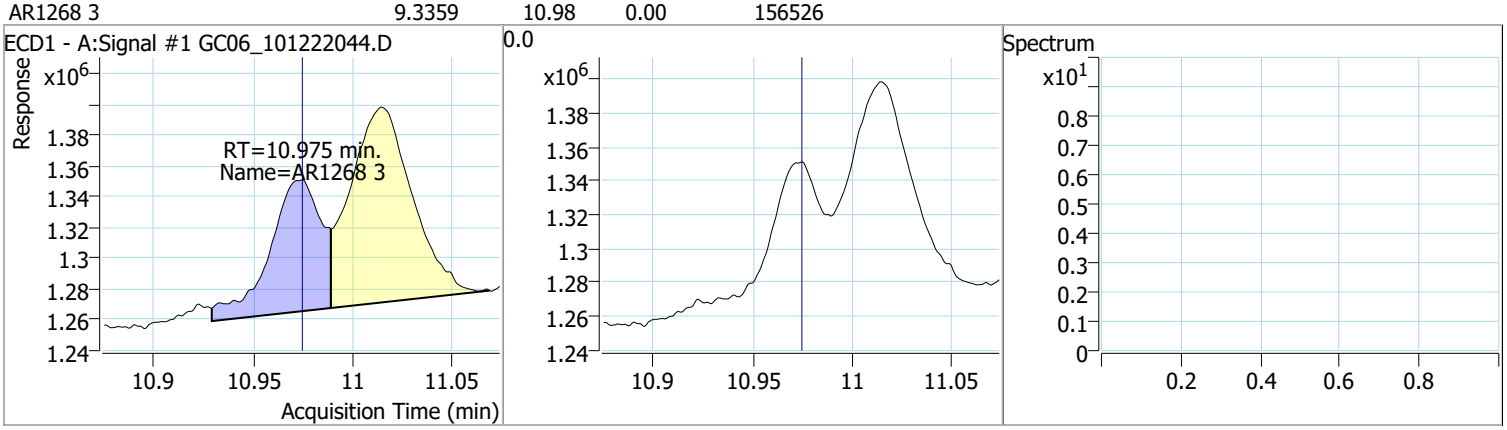
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	15.3161	10.62	0.00	308079				



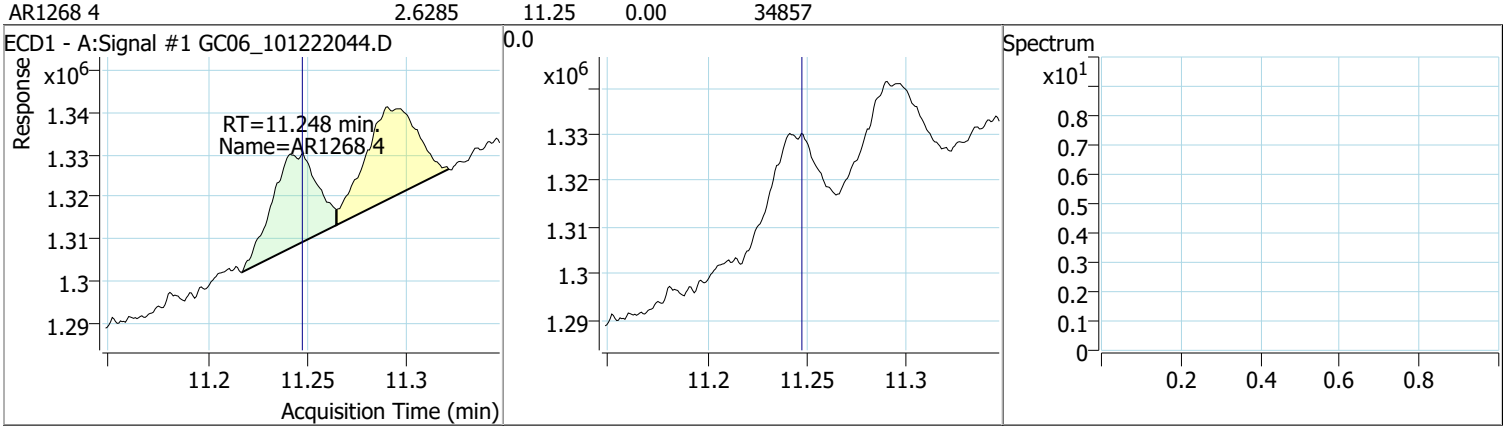
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	18.6107	10.80	0.16	313867				



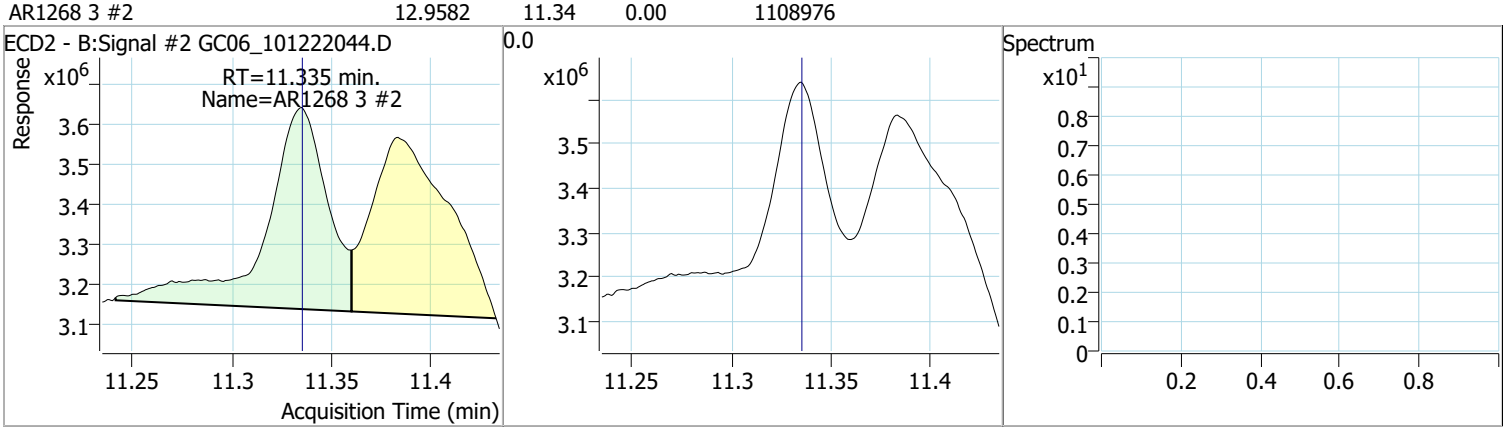
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	9.3359	10.98	0.00	156526				



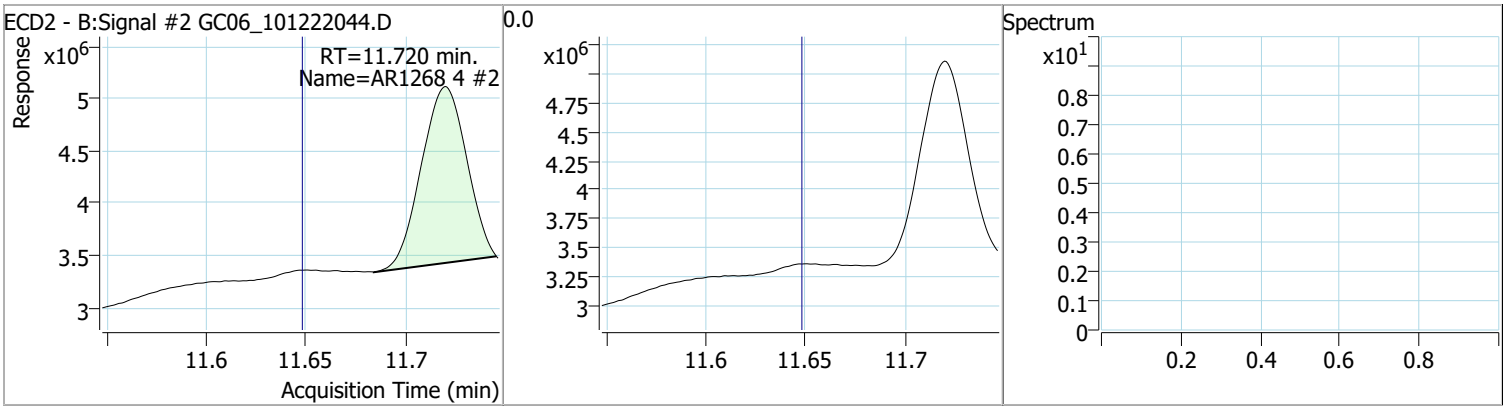
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	2.6285	11.25	0.00	34857				



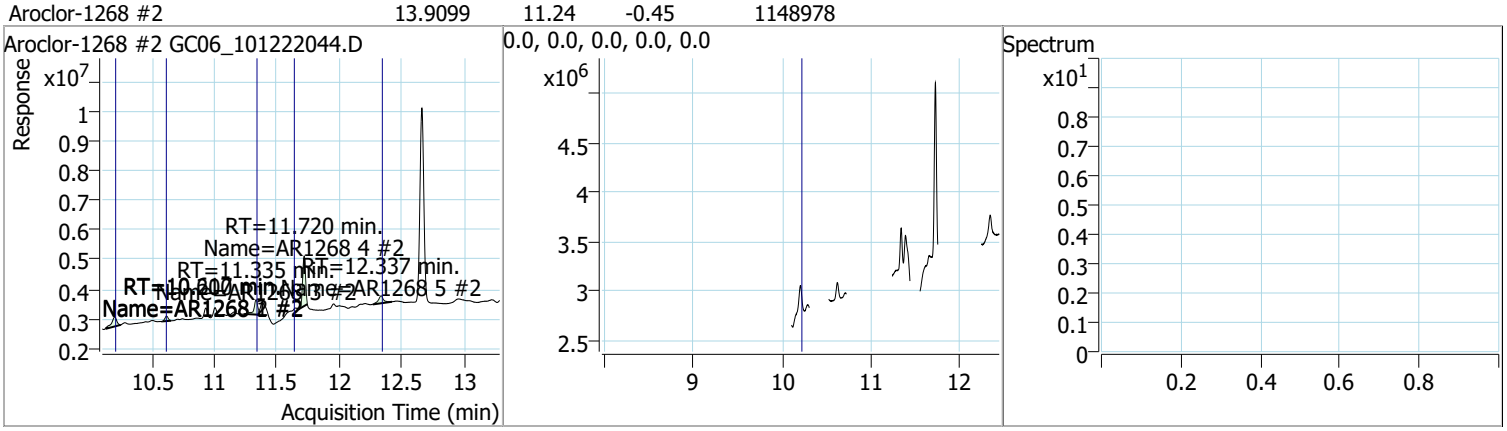
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	12.9582	11.34	0.00	1108976				



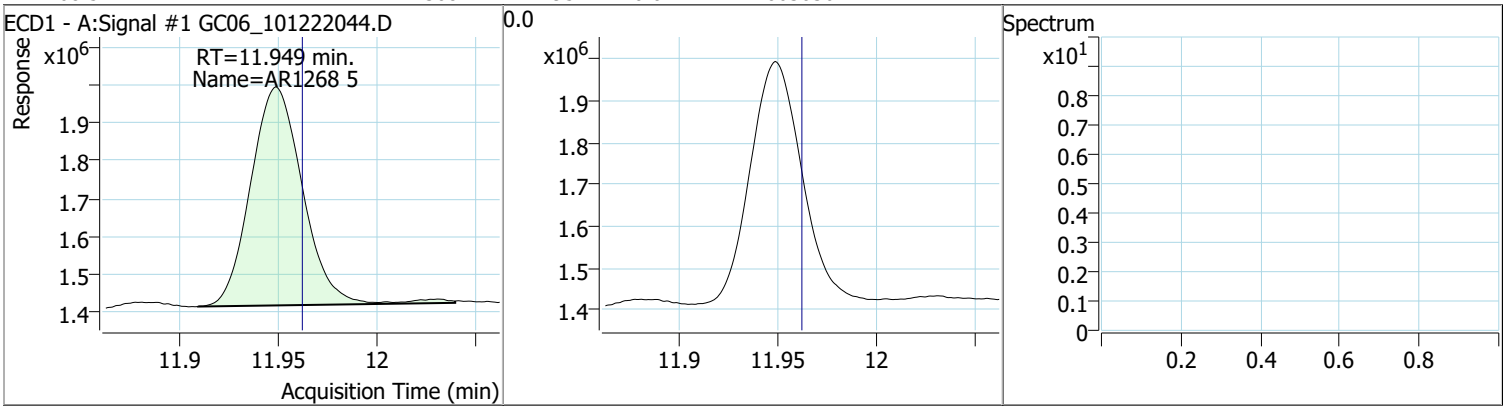
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	40.1940	11.72	0.07	2662992				



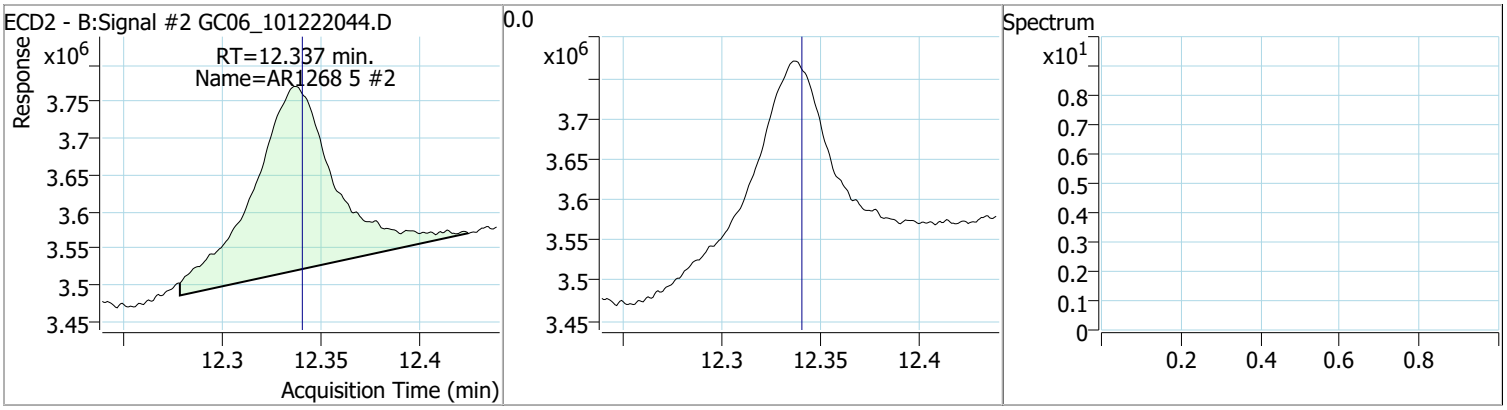
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	13.9099	11.24	-0.45	1148978				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	22.3082	11.95	-0.01	1063036				

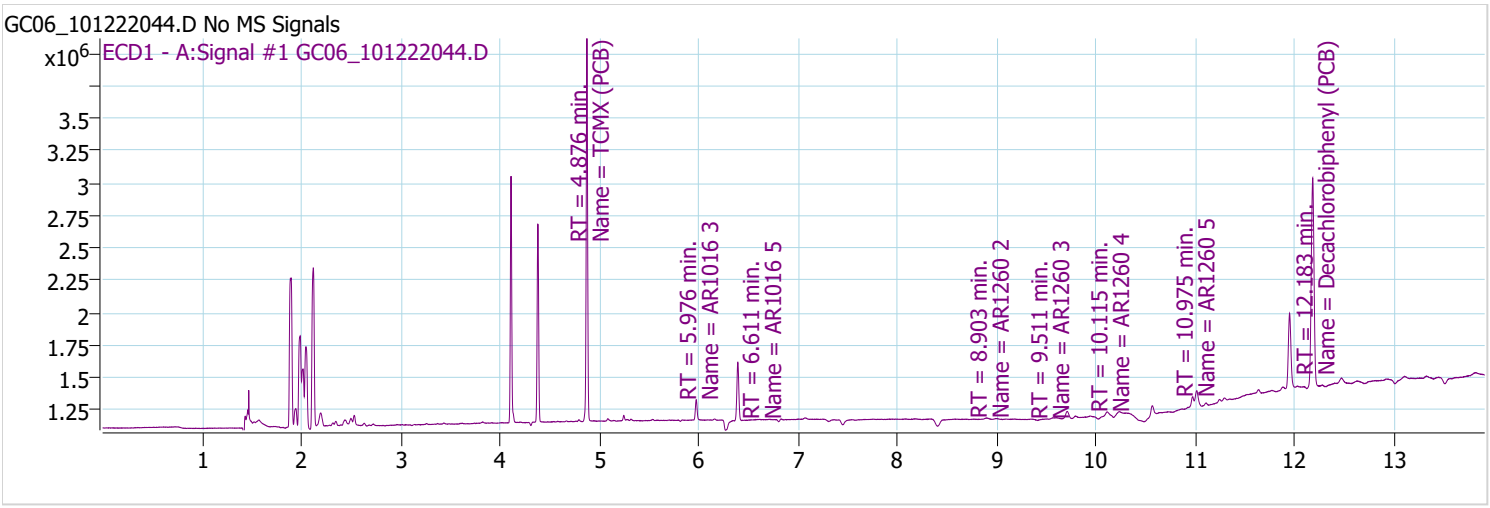


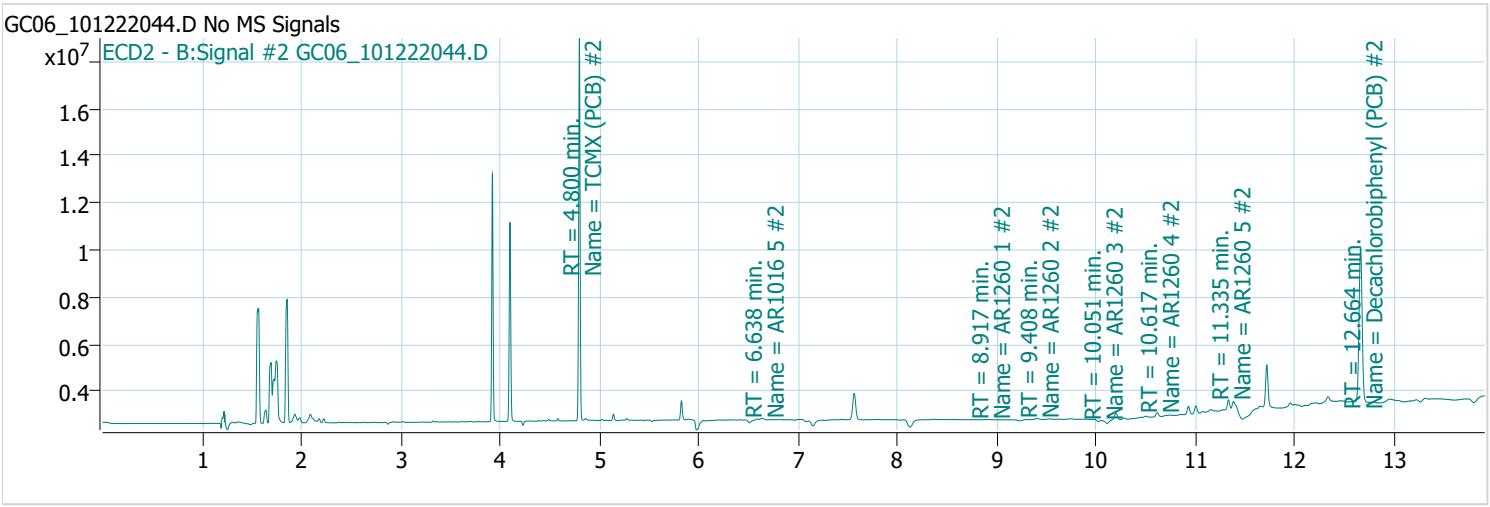
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	3.2250	12.34	0.00	728356				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101222044.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 9:32:07 PM
Sample Name	470460-010, 298736, 1	Instrument	SVOA-GC06
Vial	33	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222_pcb.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



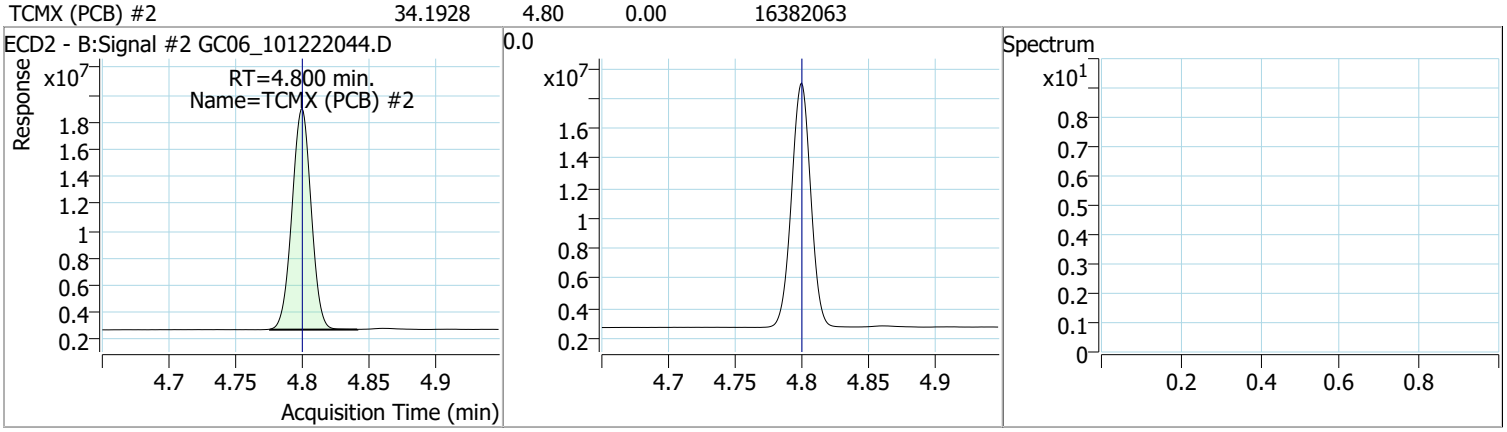


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.924	0.0	9787049.837	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.112	0.0	1867305.240	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	4.800	0.0	16382063.387	34.1928	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.96%		*	
S TCMX (PCB)	4.876	0.0	2952692.915	33.1970	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.99%		*	
S Decachlorobiphenyl (PCB)	12.183	0.0	3217094.143	25.6877	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 128.44%			
S Decachlorobiphenyl (PCB) #2	12.664	0.0	14425551.859	22.2202	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 111.10%			
Target Compounds							QValue

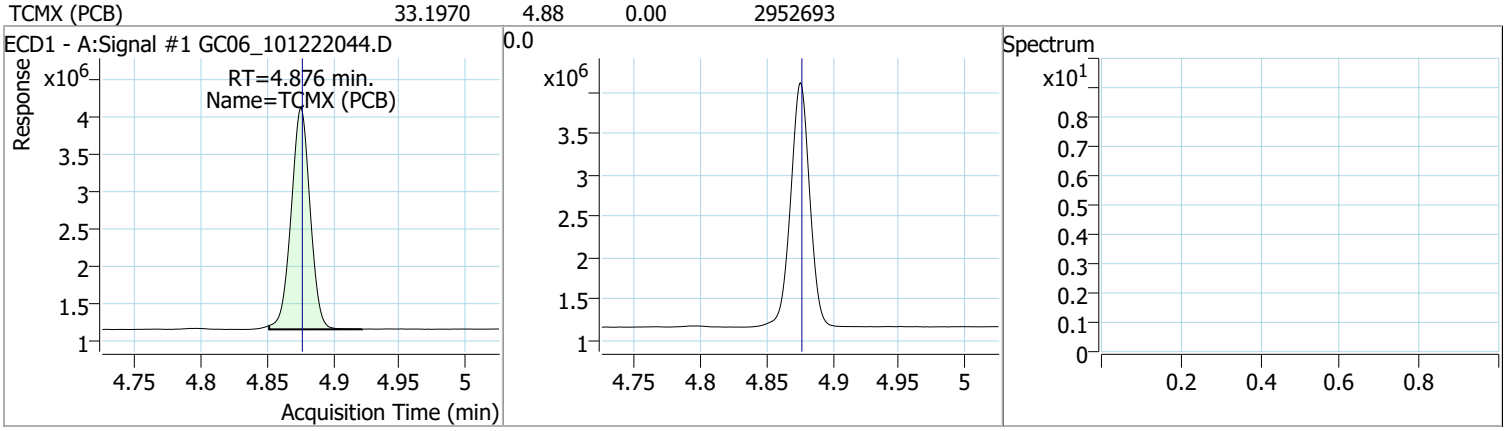
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.247	0.0	48667.498	26.5865	ng/ml	100
T AR1016 1 #2	5.274	0.0	191463.998	19.4615	ng/ml	100
T AR1016 2	5.537	0.0	14197.901	3.6287	ng/ml	100
T AR1016 2 #2	5.489	0.0	123991.016	6.0428	ng/ml	100
T AR1016 3	5.976	0.0	202821.005	43.9740	ng/ml	100
T AR1016 3 #2	6.190	0.0	18258.139	0.6839	ng/ml	100
T AR1016 4	6.158	0.0	263904.868	76.0183	ng/ml	100
T AR1016 4 #2	6.190	0.0	76083.432	4.3134	ng/ml	100
T AR1016 5	6.611	0.0	22249.674	8.0142	ng/ml	100
T AR1016 5 #2	6.638	0.0	171253.547	11.4990	ng/ml	100
T AR1260 1	8.480	0.0	43353.178	7.8924	ng/ml	100
T AR1260 2	8.903	0.0	32942.309	3.8008	ng/ml	100
T AR1260 1 #2	8.917	0.0	46490.700	1.3713	ng/ml	100
T AR1260 2 #2	9.408	0.0	186161.920	4.8912	ng/ml	100
T AR1260 3	9.511	0.0	31811.350	3.5055	ng/ml	100
T AR1260 3 #2	10.051	0.0	226834.023	4.6329	ng/ml	100
T AR1260 4	10.115	0.0	189379.675	36.9922	ng/ml	100
T AR1260 4 #2	10.617	0.0	306106.505	9.4465	ng/ml	100
T AR1260 5	10.975	0.0	159840.636	25.2173	ng/ml	100
T AR1260 5 #2	11.335	0.0	2015320.912	41.6883	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

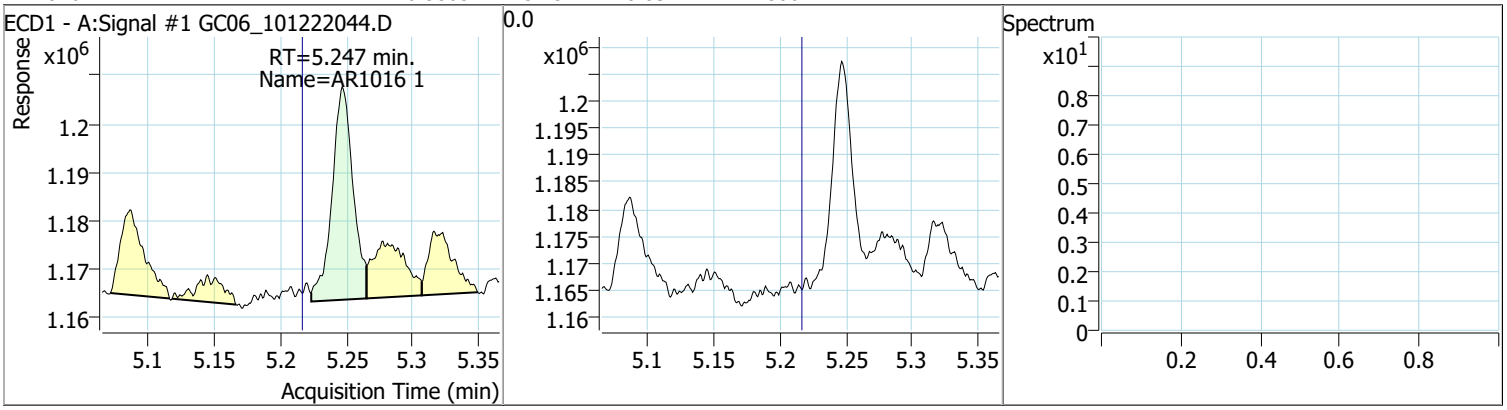
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.1928	4.80	0.00	16382063				



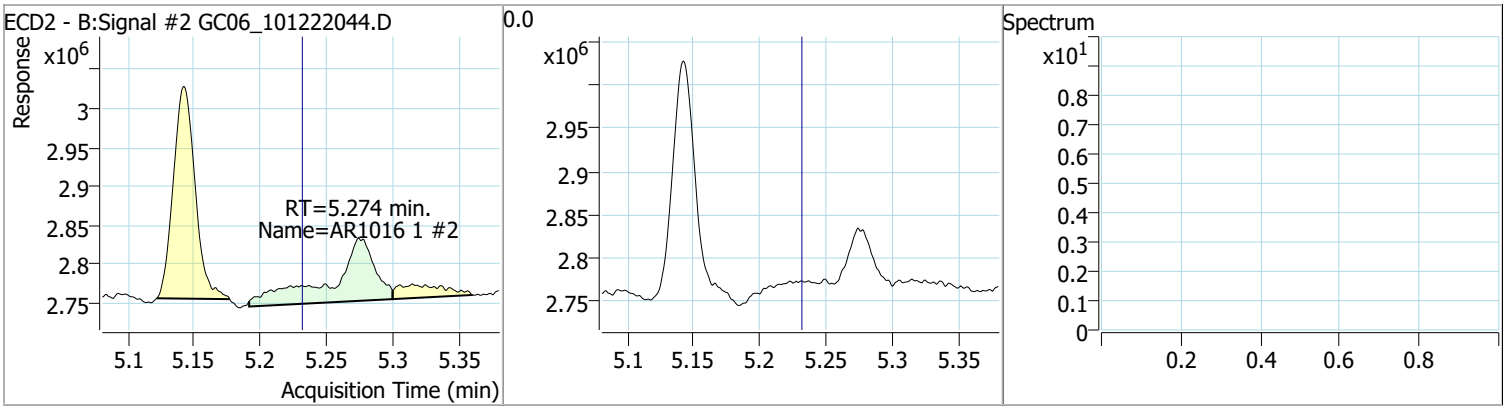
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.1970	4.88	0.00	2952693				



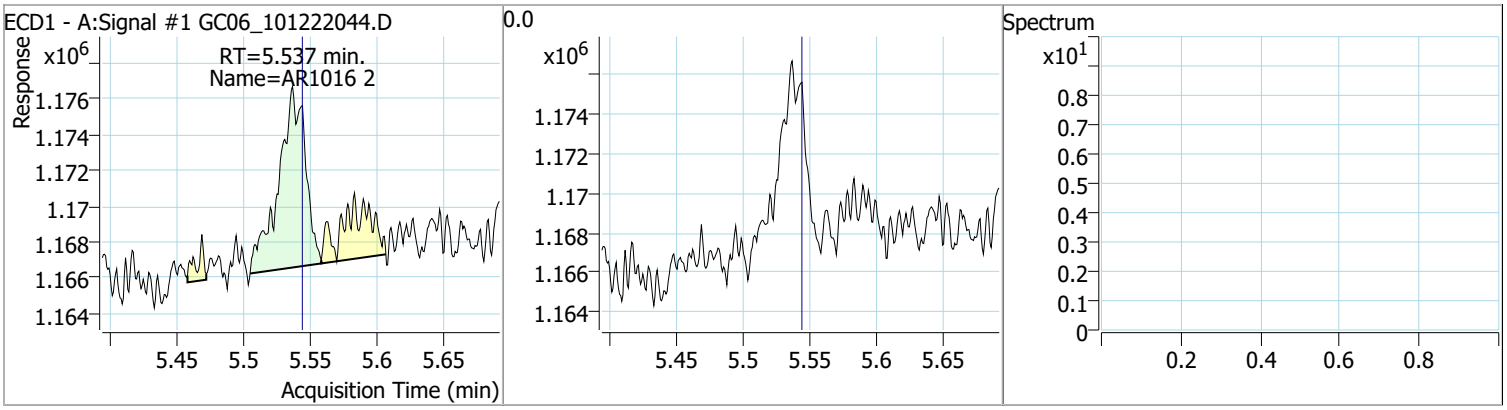
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	26.5865	5.25	0.03	48667				



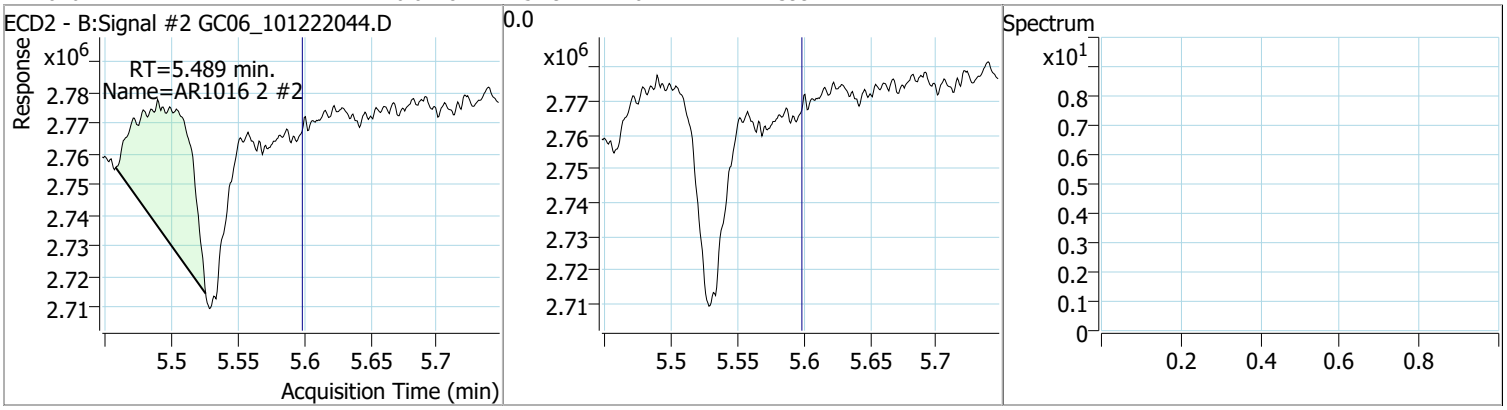
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	19.4615	5.27	0.04	191464				



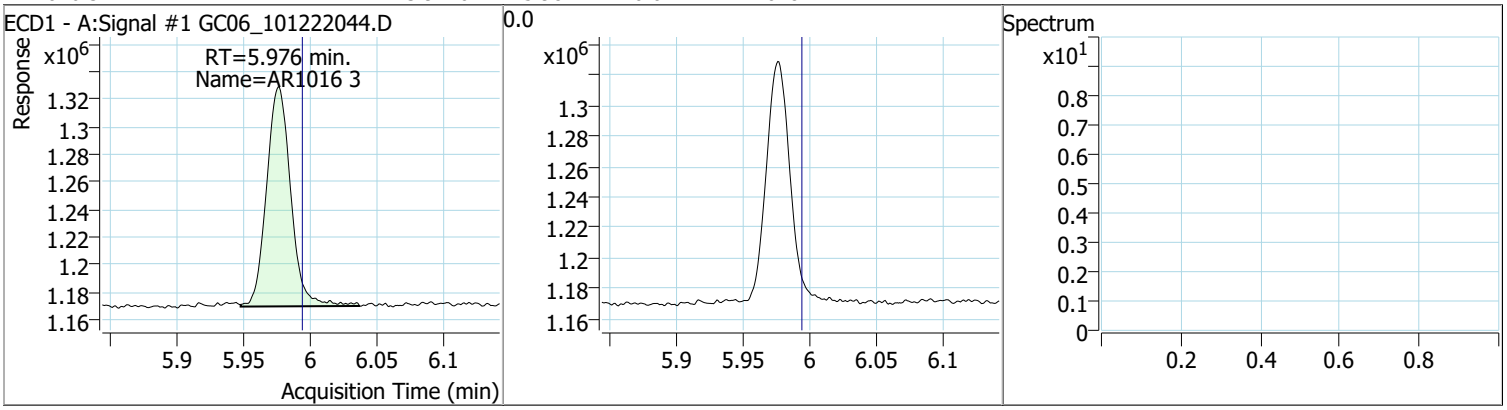
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.6287	5.54	-0.01	14198				



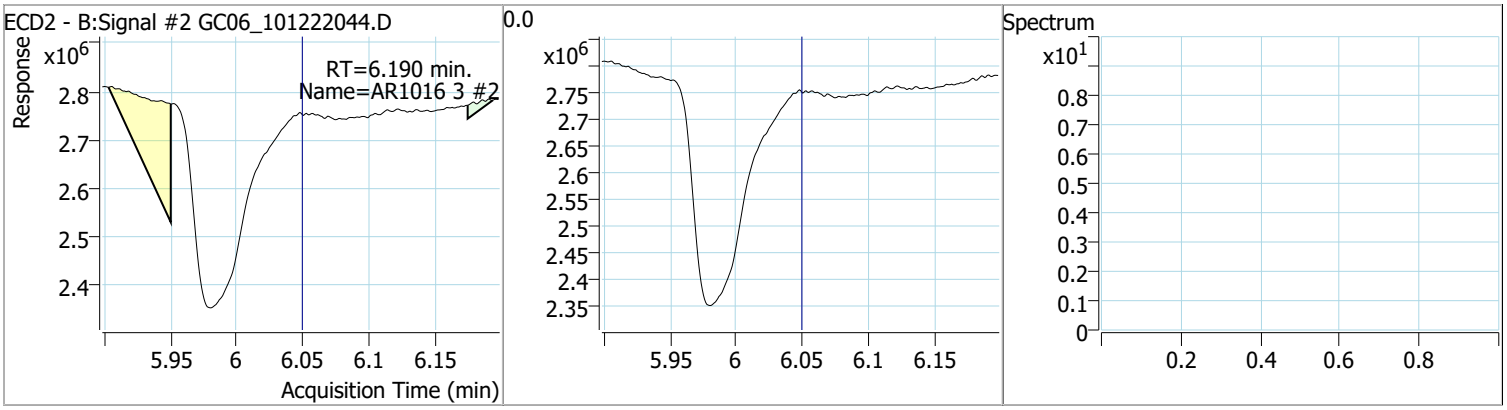
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	6.0428	5.49	-0.11	123991				



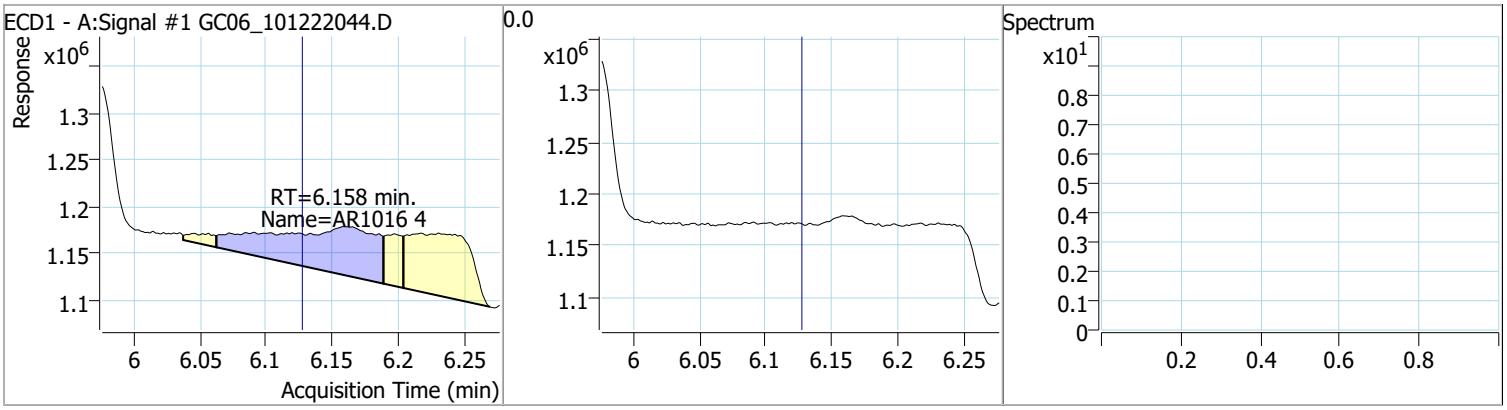
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	43.9740	5.98	-0.02	202821				



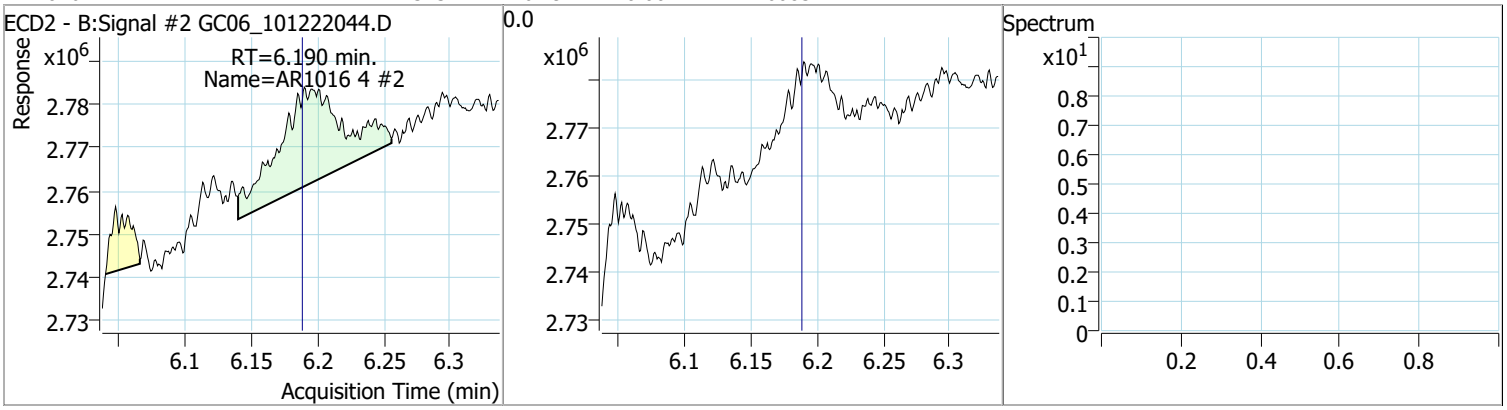
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	0.6839	6.19	0.14	18258				



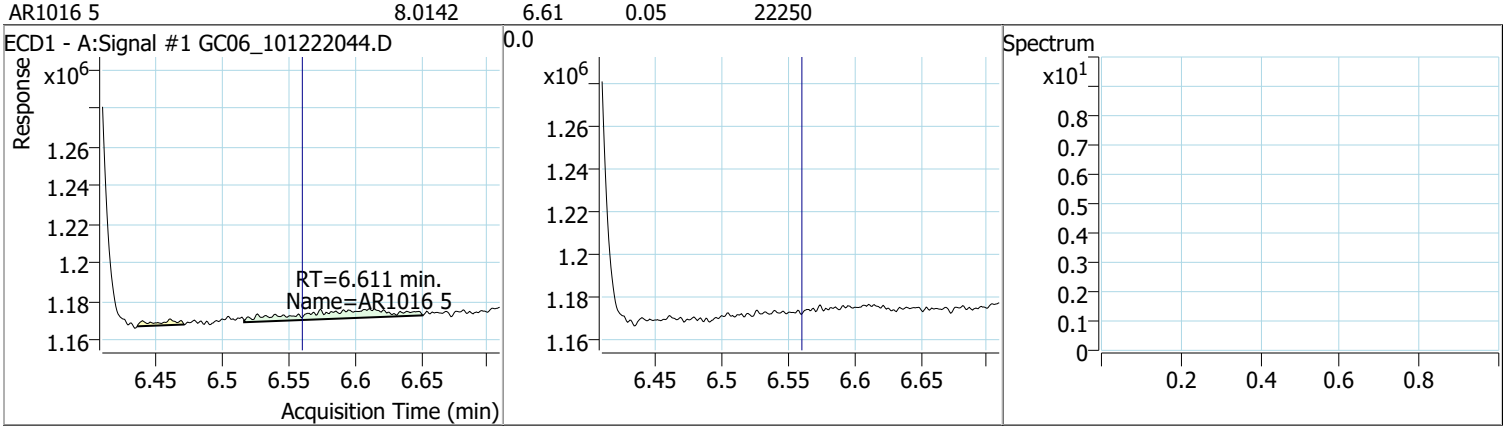
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	76.0183	6.16	0.03	263905				



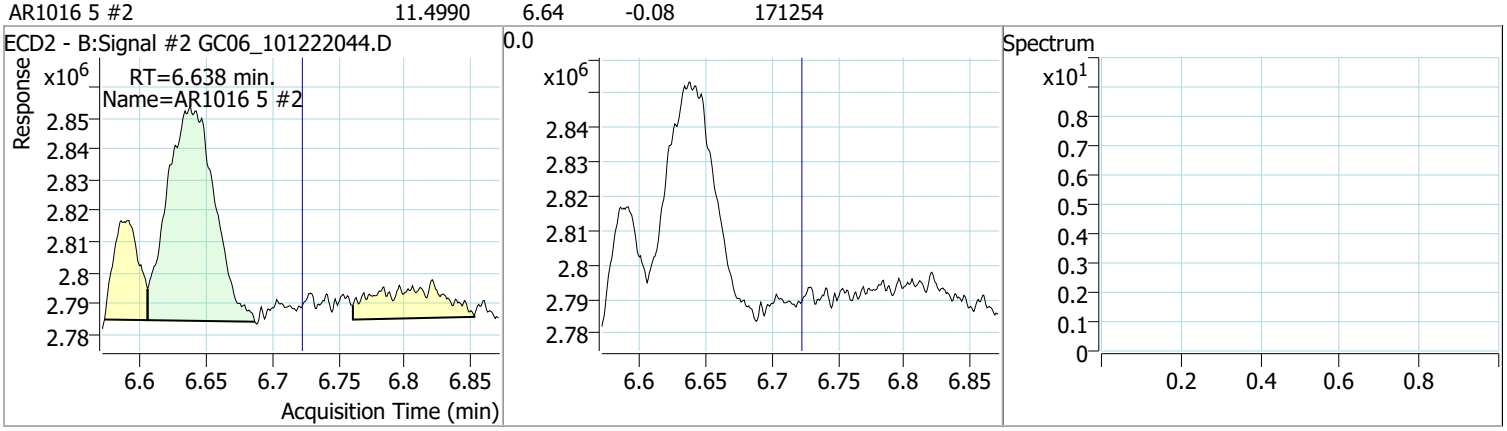
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.3134	6.19	0.00	76083				



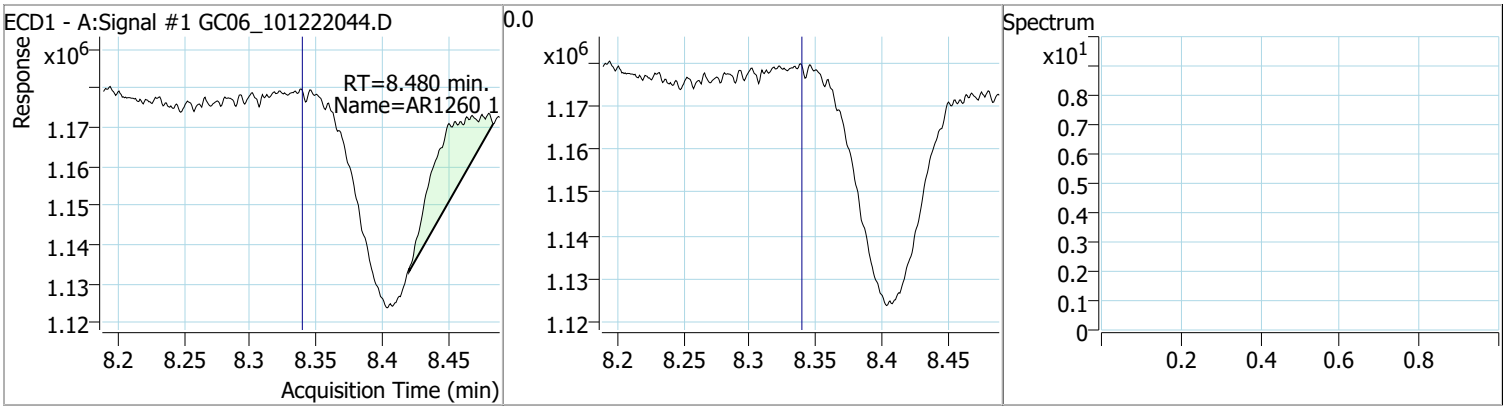
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	8.0142	6.61	0.05	22250				



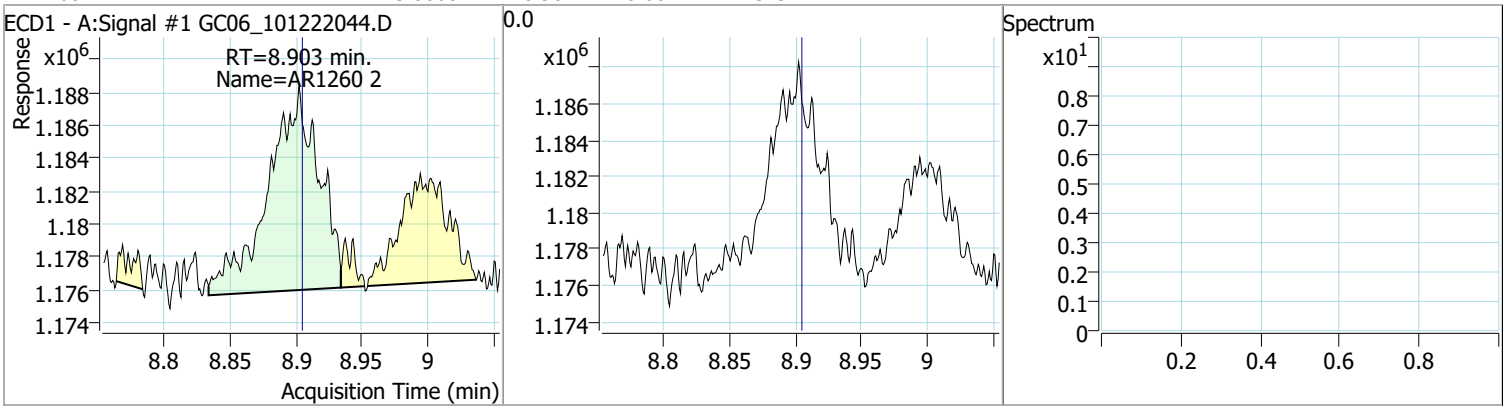
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	11.4990	6.64	-0.08	171254				



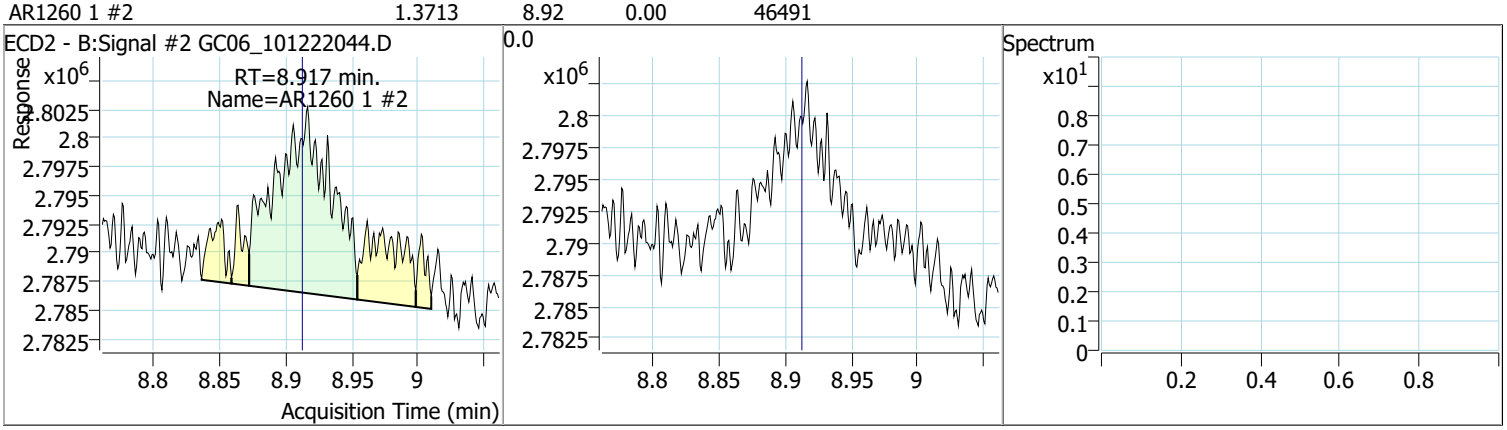
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	7.8924	8.48	0.14	43353				



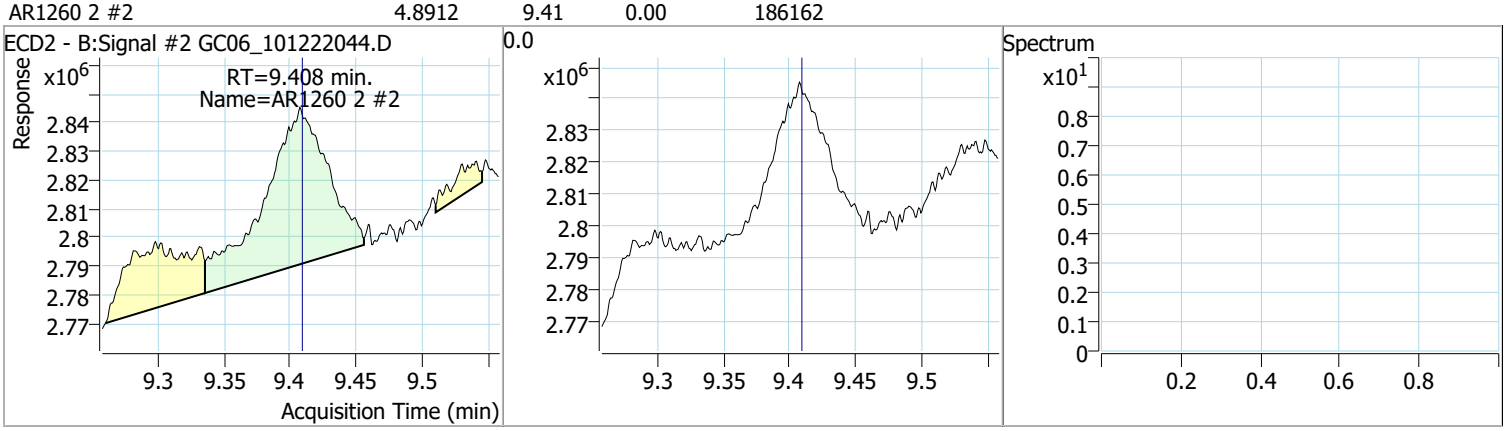
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.8008	8.90	0.00	32942				



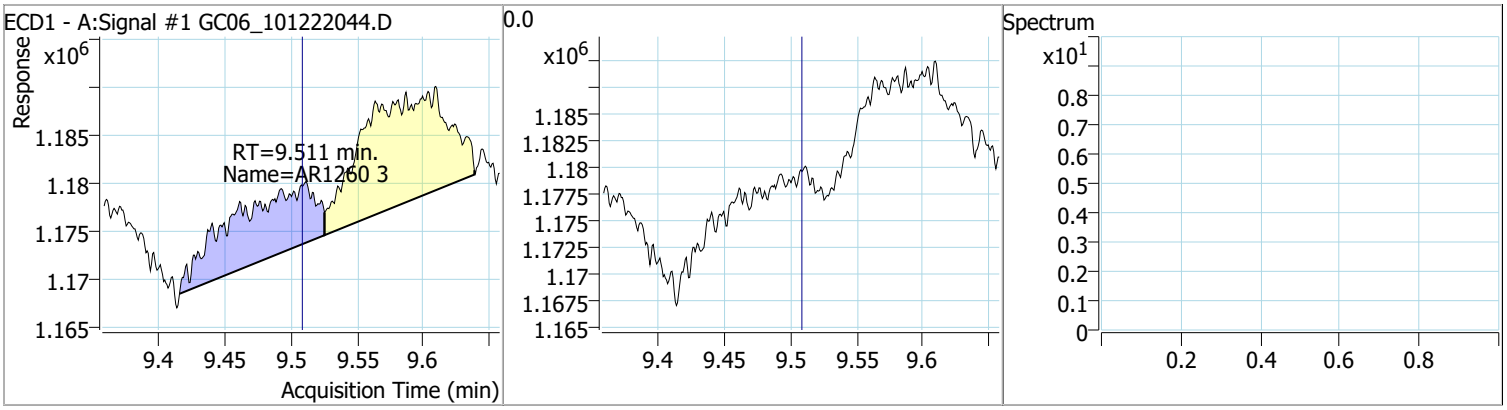
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.3713	8.92	0.00	46491				



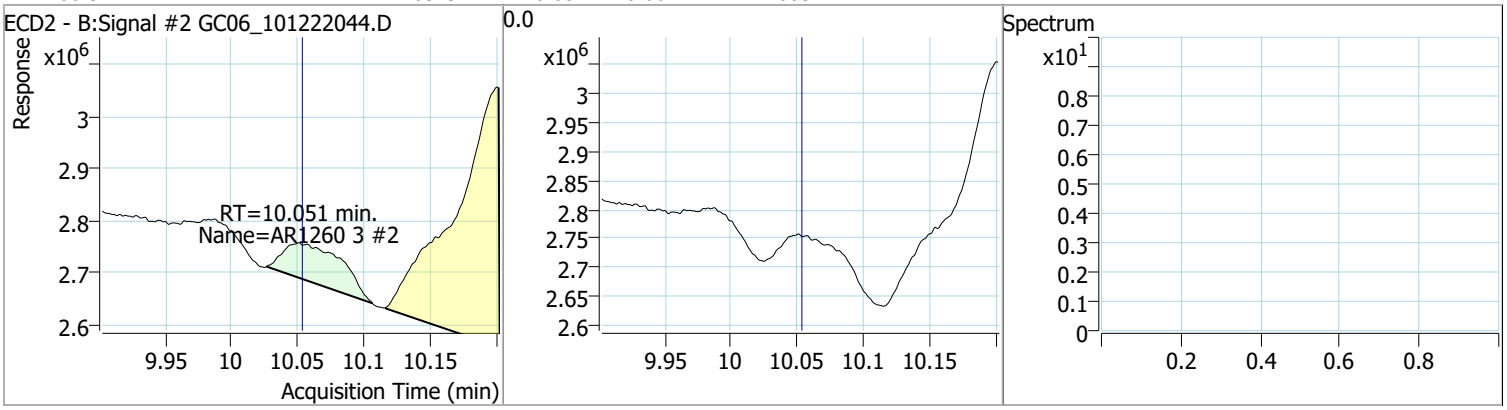
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.8912	9.41	0.00	186162				



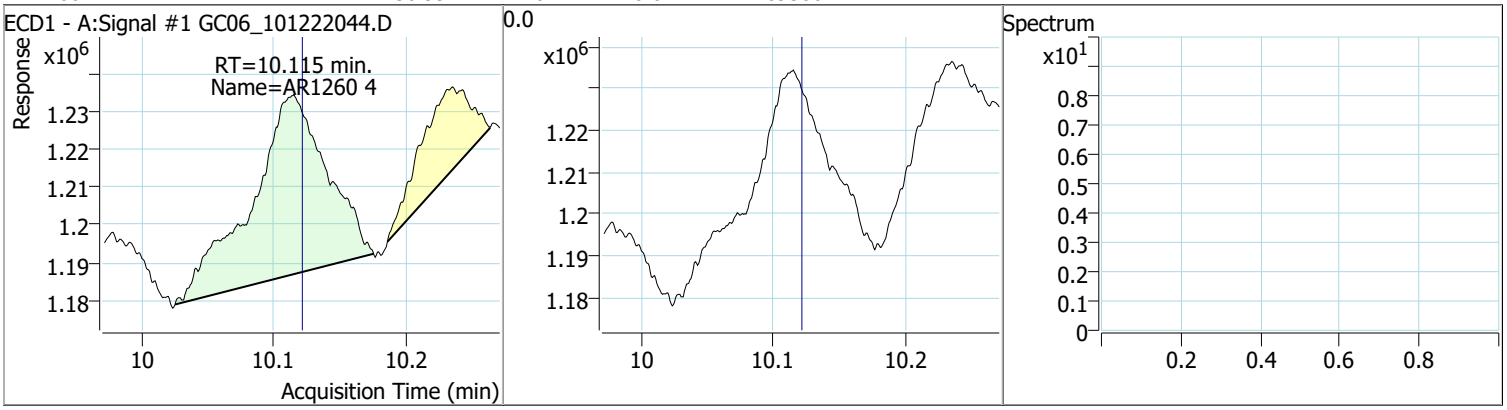
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.5055	9.51	0.00	31811				



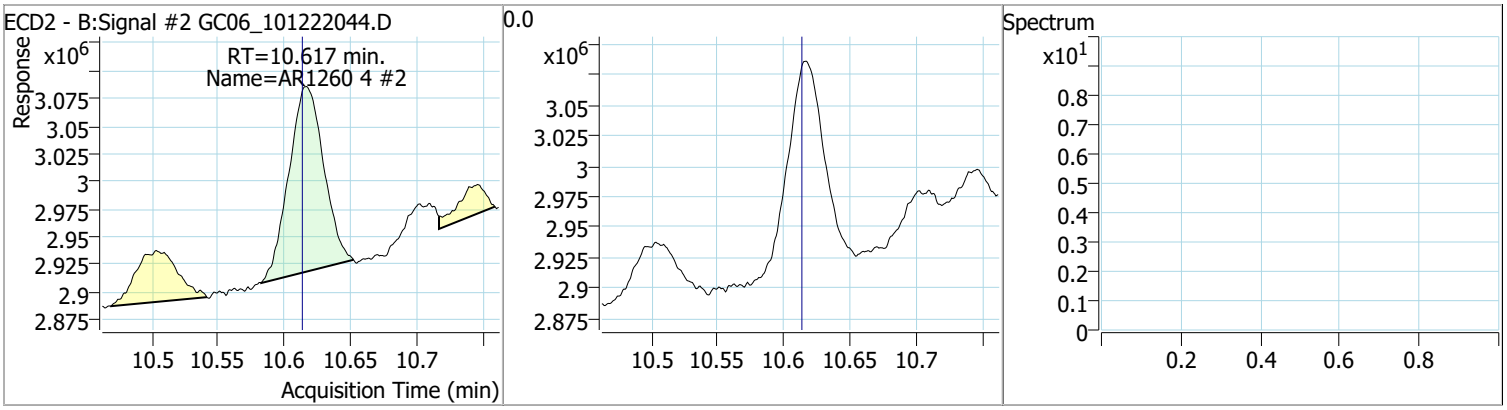
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	4.6329	10.05	0.00	226834				



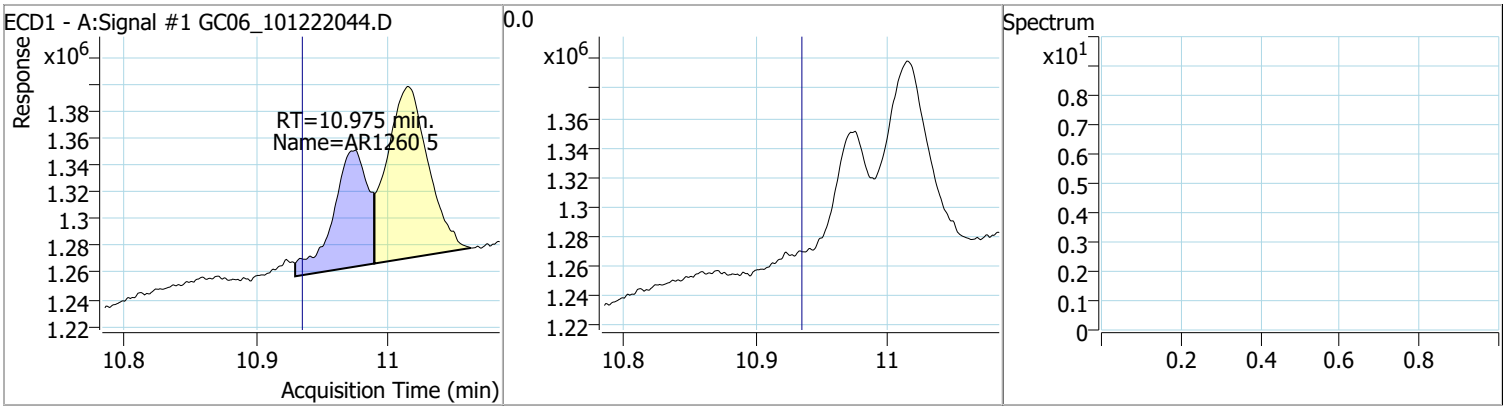
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	36.9922	10.12	-0.01	189380				



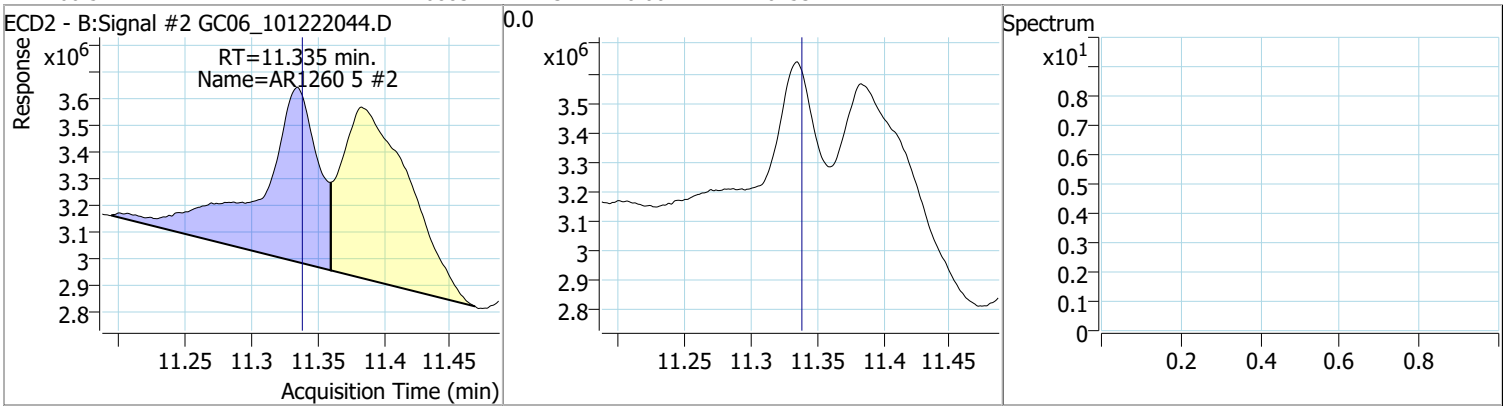
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	9.4465	10.62	0.00	306107				



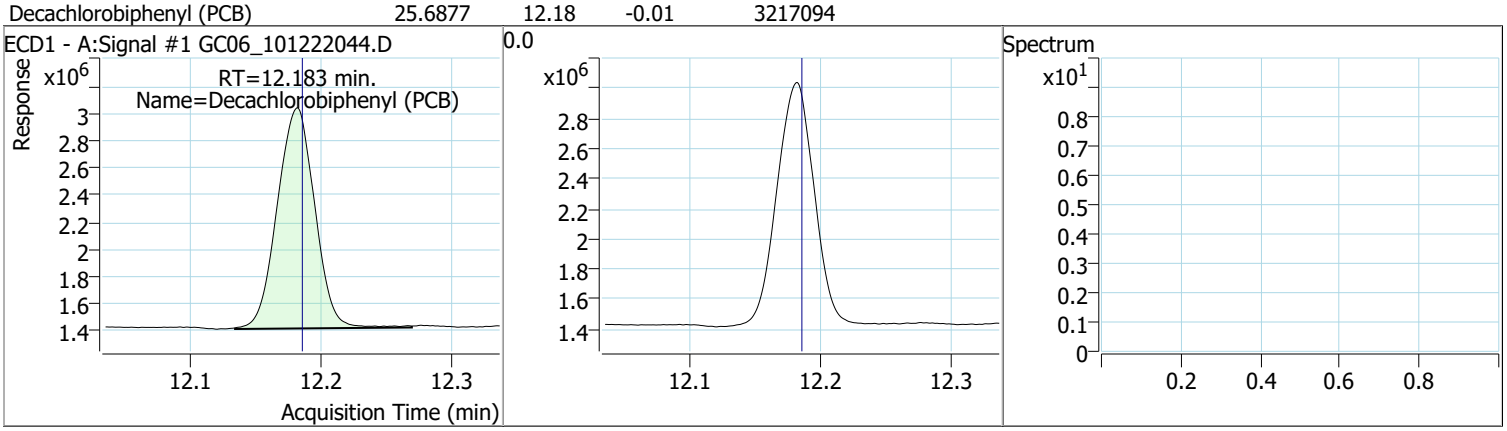
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	25.2173	10.98	0.04	159841				



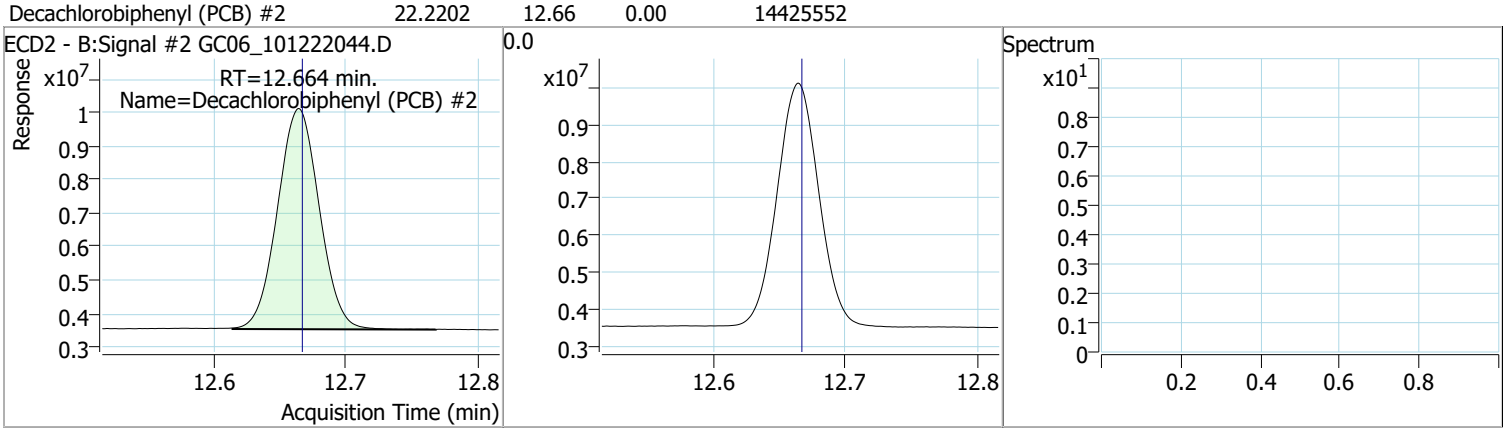
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	41.6883	11.34	0.00	2015321				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	25.6877	12.18	-0.01	3217094				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	22.2202	12.66	0.00	14425552				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	470460-012	Client ID:	ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-P-LA
Seqnum:	452410975045.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_101222045	Batch:	298736	Time:	12-OCT-2022 21:49
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	452369928002	34.30	~~0.69~~ ~~FP~~	0.18	116%	0.50		x u
Aroclor-1016 Peak # 1	A	452369928002	21.90	0.44	0.32	33%			
Aroclor-1016 Peak # 2	A	452369928002	5.227	0.10	0.09	20%			
Aroclor-1016 Peak # 3	A	452369928002	57.79	1.16	0.41	95%			
Aroclor-1016 Peak # 4	A	452369928002	85.41	1.71	0.09	181%			
Aroclor-1016 Peak # 5	A	452369928002	1.166	0.02	0.01	84%			
Aroclor-1221	A			ND			0.50		u
Aroclor-1232	A			ND			0.50		u
Aroclor-1242	A			ND			0.50		u
Aroclor-1248	A			ND			0.50		u
Aroclor-1254	A			ND			0.50		u
Aroclor-1260	A	452369928002	9.546	ND	0.20	4%	0.50		u
Aroclor-1260 Peak # 1	A	452369928002	4.897	0.10	0.02	141%			
Aroclor-1260 Peak # 2	A	452369928002	1.675	0.03	0.06	57%			
Aroclor-1260 Peak # 3	A	452369928002	2.693	0.05	ND				
Aroclor-1260 Peak # 4	A	452369928002	26.86	0.54	0.11	131%			
Aroclor-1260 Peak # 5	A	452369928002	11.60	0.23	0.80	110%			
Aroclor-1262	A			ND			0.50		u
Aroclor-1268	A	452410975002	15.71	ND	0.31	2%	0.50		?v u
Aroclor-1268 Peak # 1	A	452410975002	21.73	0.43	1.00	78%			
Aroclor-1268 Peak # 2	A	452410975002	46.93	0.94	0.18	136%			
Aroclor-1268 Peak # 3	A	452410975002	4.096	0.08	0.23	96%			
Aroclor-1268 Peak # 4	A	452410975002	1.807	0.04	0.09	86%			
Aroclor-1268 Peak # 5	A	452410975002	3.967	0.08	0.04	61%			

Surrogate	Ch	Cal	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	452369928002	29.36	1.000	0.5872	59	52-186	u
Decachlorobiphenyl (PCB)	A	452369928002	21.79	1.000	0.4359	**44***	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9052455	10228883	13.00
1-bromo-2-nitrobenzene (PCB)	A	1846693	2115978	14.58

ISTD (ICAL gc06_101222005)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	11871428	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2416508	**???**	**-100.00 ***

ISTD (ICAL gc06_101222007)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	7925274	10210694	28.84
1-bromo-2-nitrobenzene (1268)	A	1655647	2110007	27.44

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_101222005)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	3.92	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.11	**???**	

ISTD (ICAL gc06_101222007)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (1268)	A	4.11	4.11	0.00

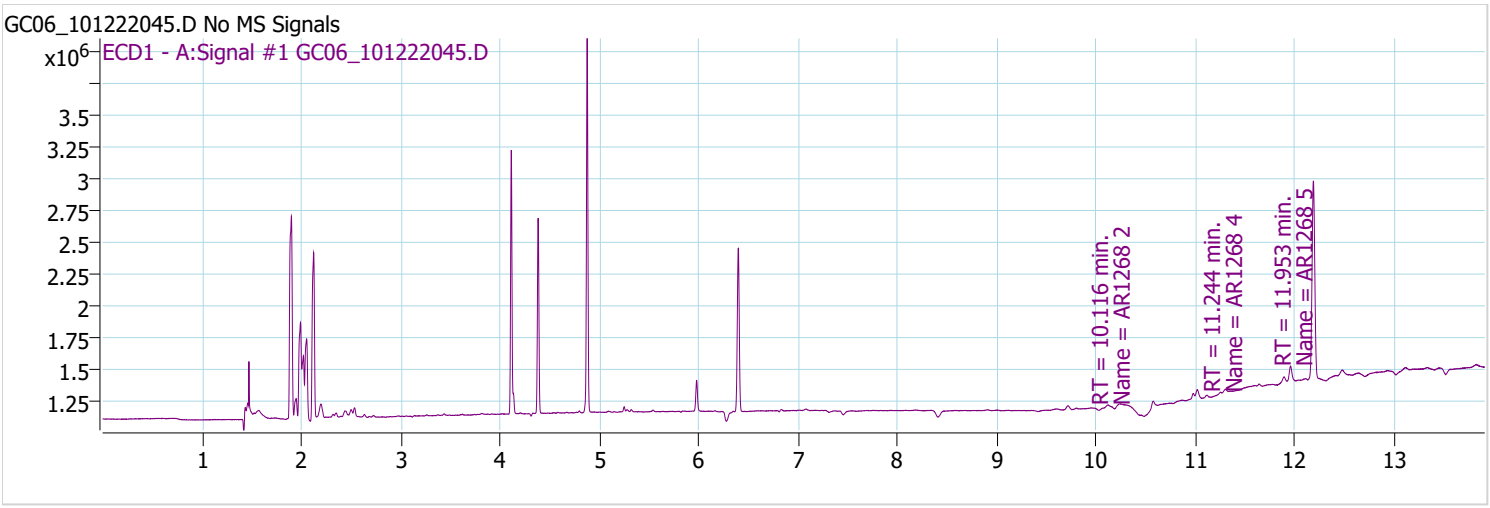
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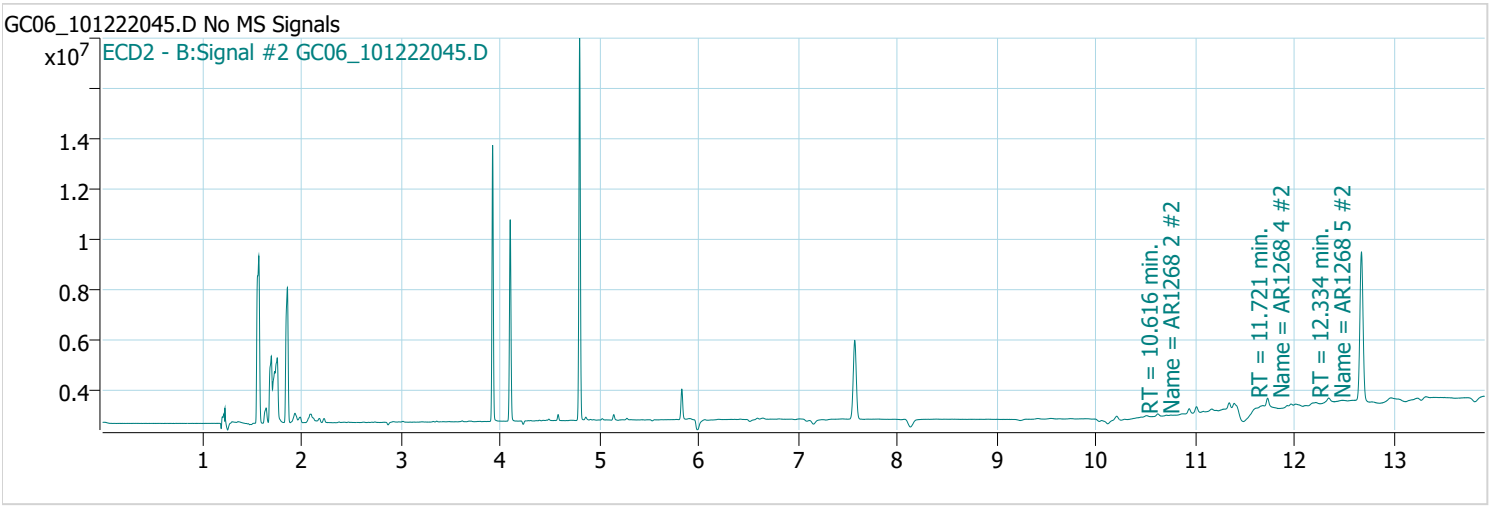
Analyst: TRN 10/14/22 *

Reviewer: LW 10/20/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_101222045.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 9:49:29 PM
Sample Name	470460-012, 298736, 1	Instrument	SVOA-GC06
Vial	34	Multiplier	1.00
DA Method File	PCB_AR1268_101222_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222ar1268.batch.bin	Last Calib Update	10/14/2022 6:34:16 PM
Ref Library			



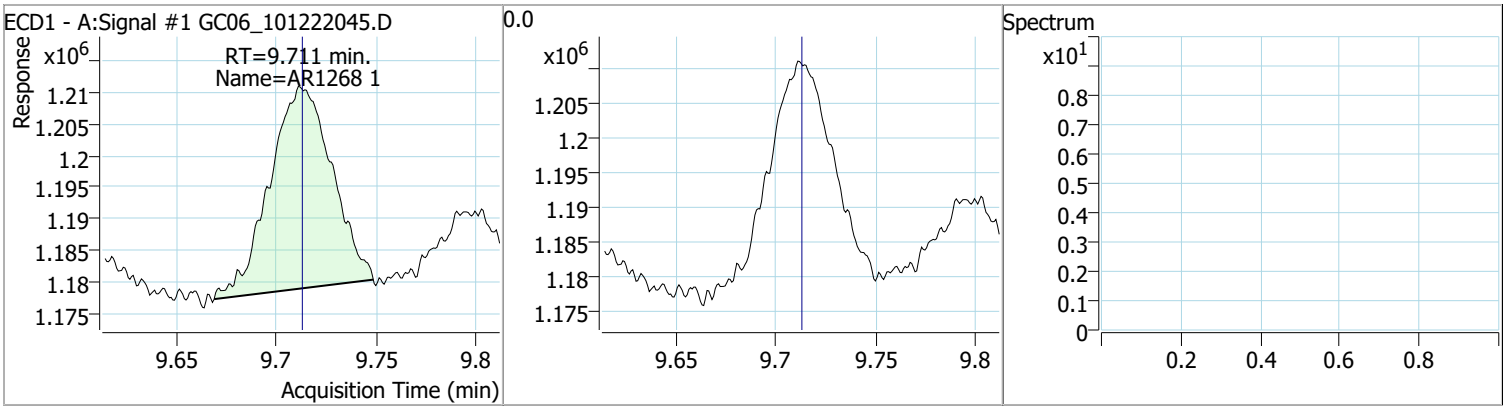


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268) #2	3.924	0.0	10210693.549	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (1268)	4.112	0.0	2110006.692	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						QValue
T AR1268 1	9.711	0.0	69992.263	21.7250	ng/ml	100
T AR1268 2	10.116	0.0	203601.108	46.9309	ng/ml	100
T AR1268 1 #2	10.204	0.0	790495.803	49.7812	ng/ml	100
T AR1268 2 #2	10.616	0.0	187631.520	8.9341	ng/ml	100
T Aroclor-1268	10.800	0.0	118821.130	6.1924	ng/ml	
T AR1268 3	10.973	0.0	78136.123	4.0961	ng/ml	100
T AR1268 4	11.244	0.0	27271.496	1.8075	ng/ml	100
T AR1268 3 #2	11.335	0.0	1039189.382	11.6299	ng/ml	100
T AR1268 4 #2	11.721	0.0	314643.864	4.5485	ng/ml	100
T Aroclor-1268 #2	11.242	0.0	565595.859	6.5581	ng/ml	

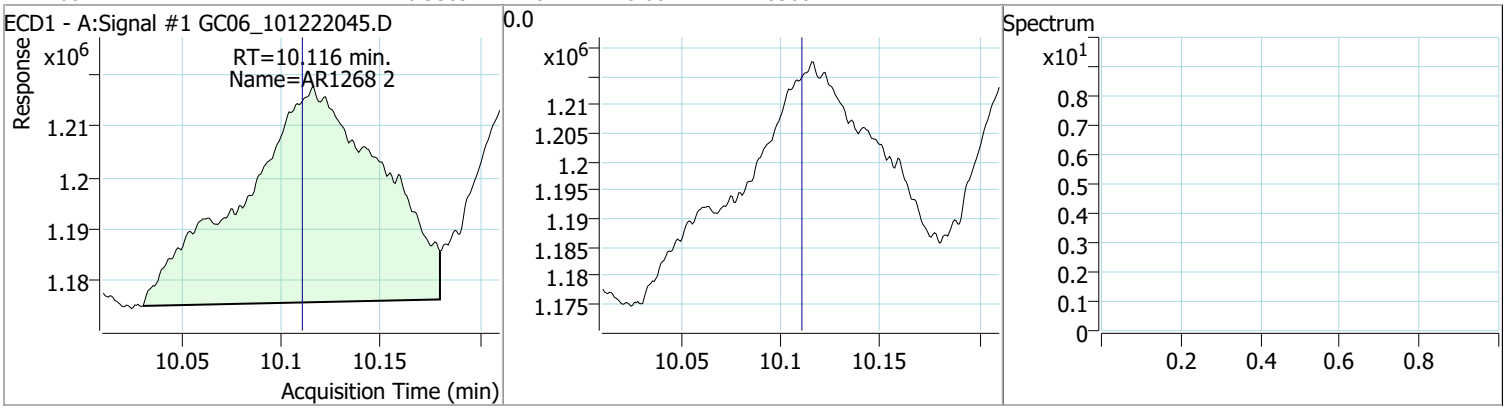
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 5	11.953	0.0	215104.659	3.9675	ng/ml	100
T AR1268 5 #2	12.334	0.0	496018.728	2.1035	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

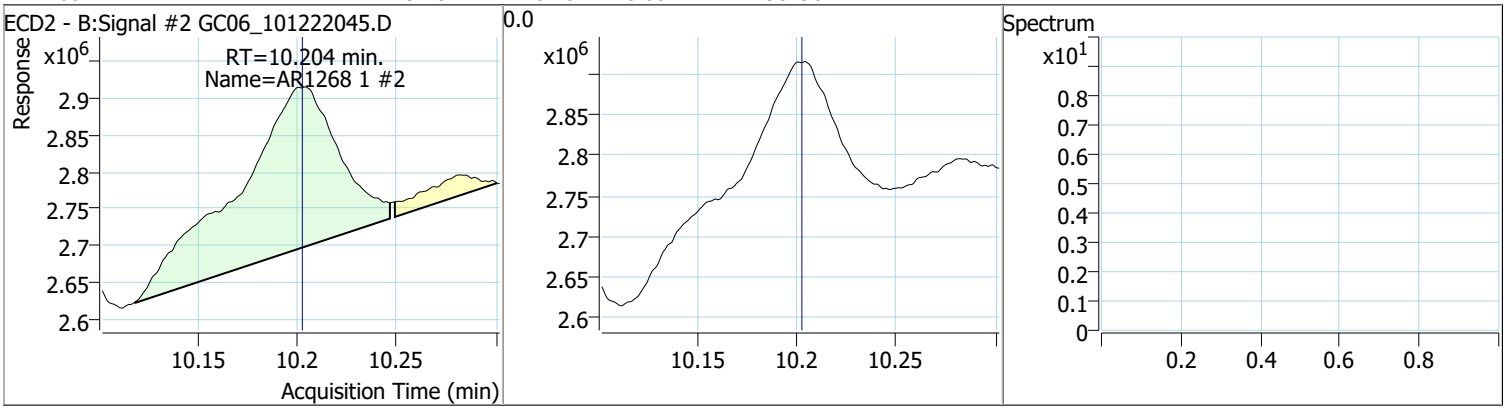
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	21.7250	9.71	0.00	69992				



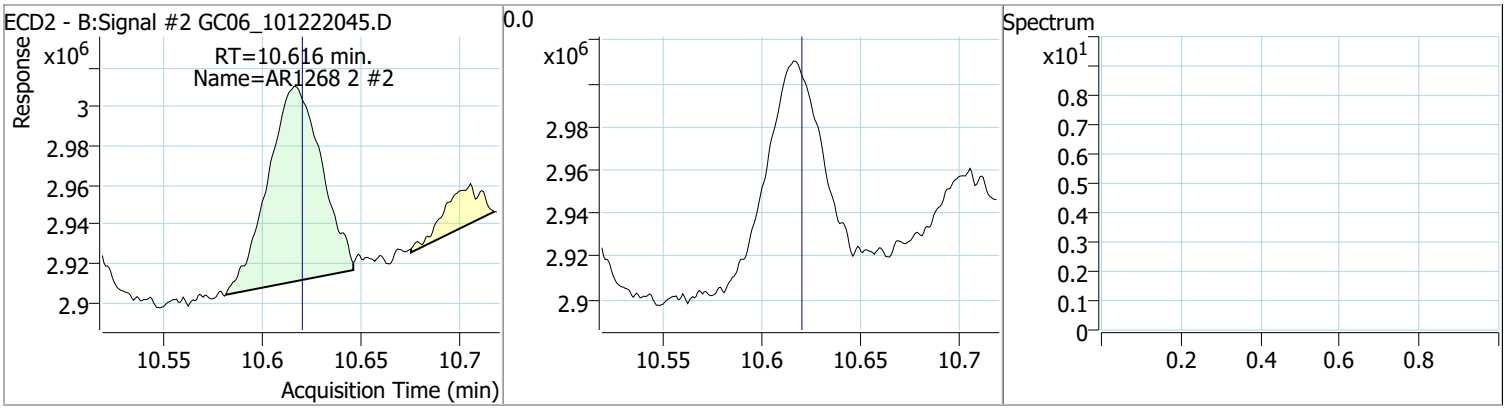
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	46.9309	10.12	0.00	203601				



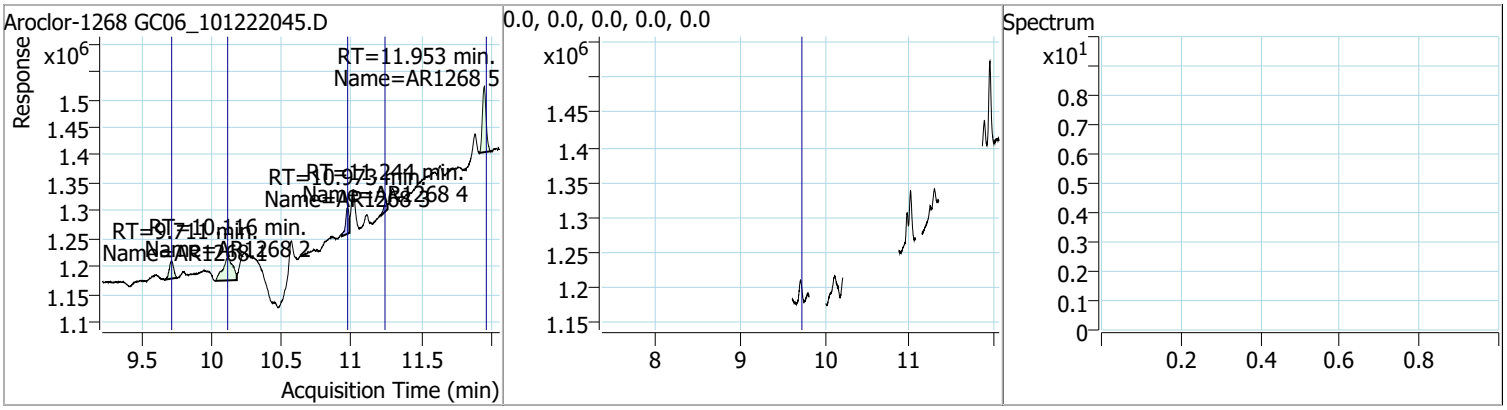
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	49.7812	10.20	0.00	790496				



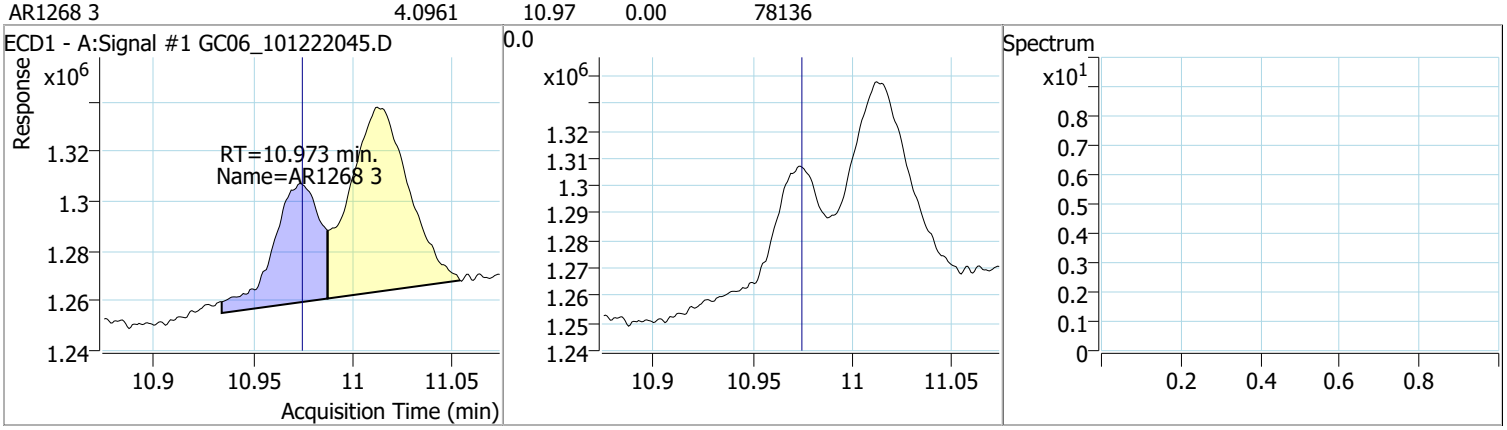
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	8.9341	10.62	0.00	187632				



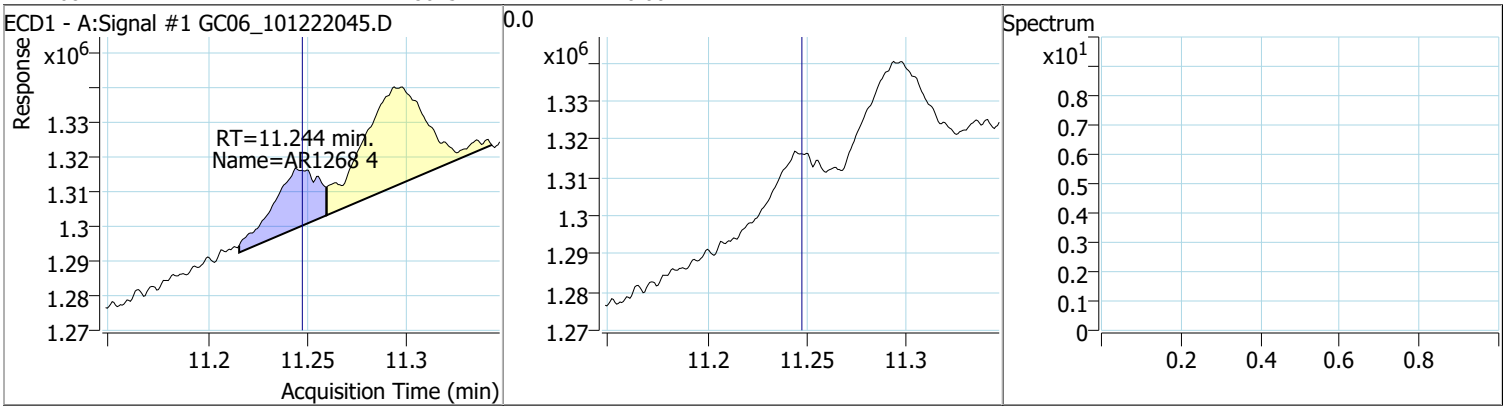
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	6.1924	10.80	0.16	118821				



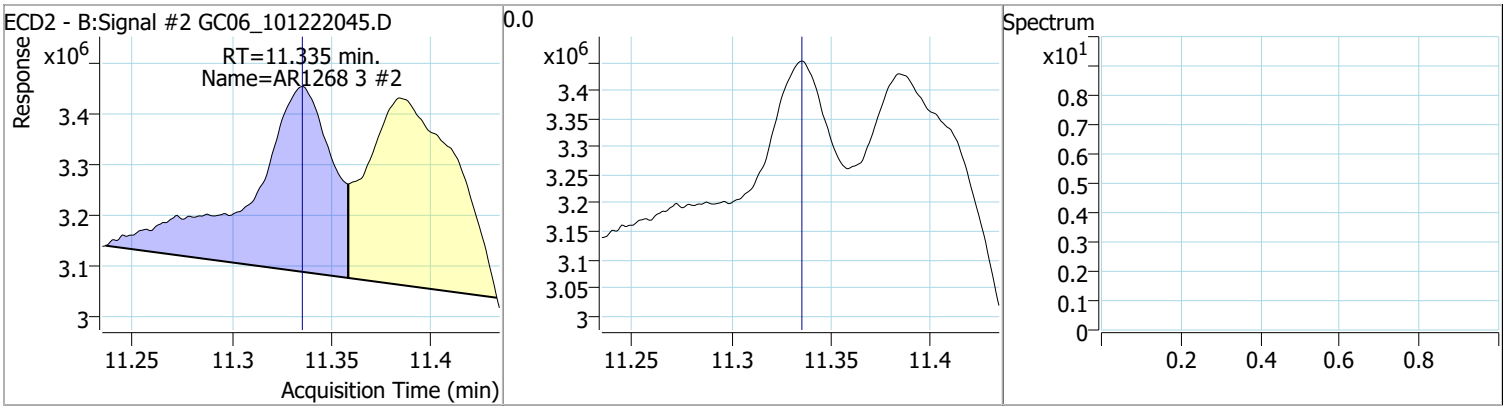
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	4.0961	10.97	0.00	78136				



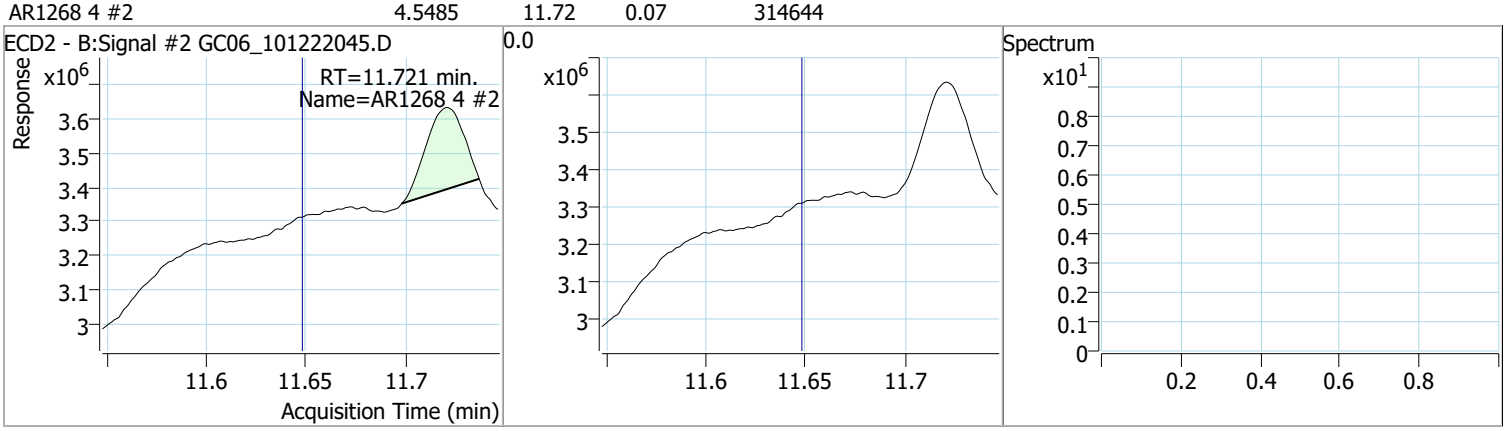
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	1.8075	11.24	0.00	27271				



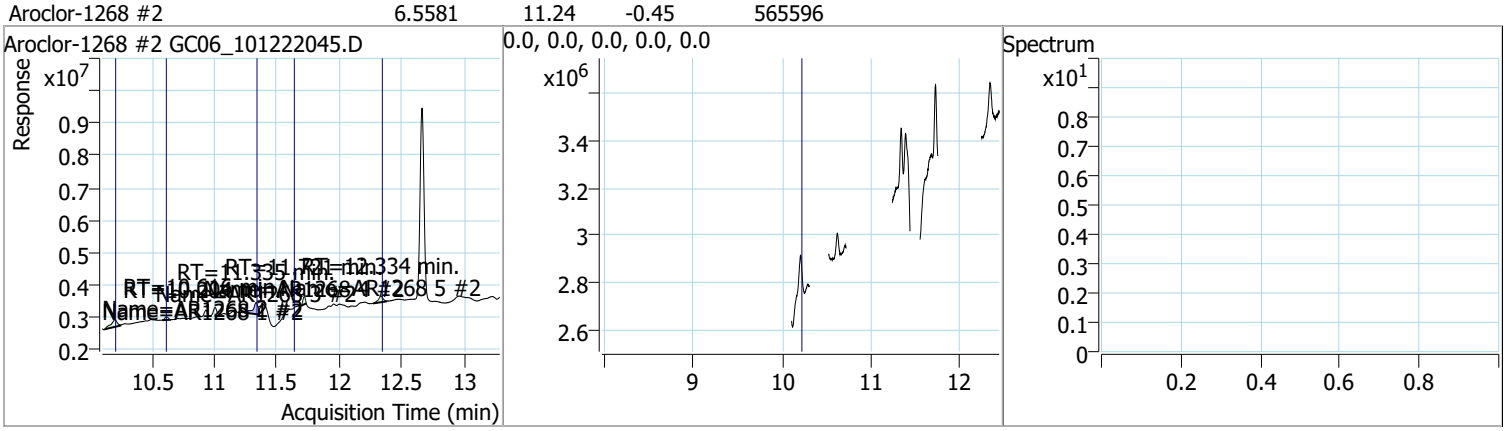
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	11.6299	11.34	0.00	1039189				



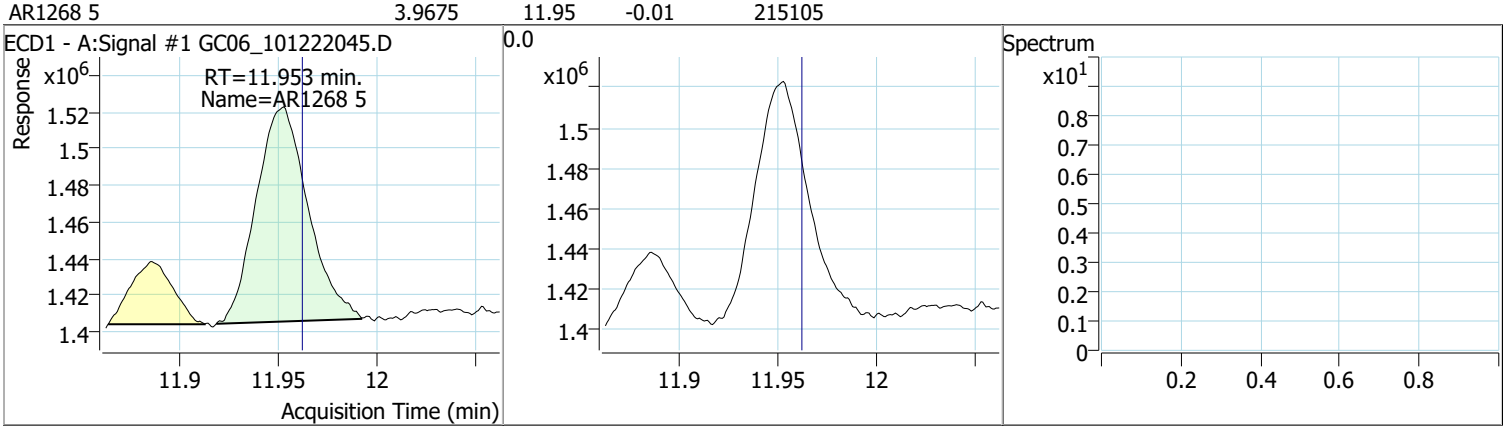
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	4.5485	11.72	0.07	314644				



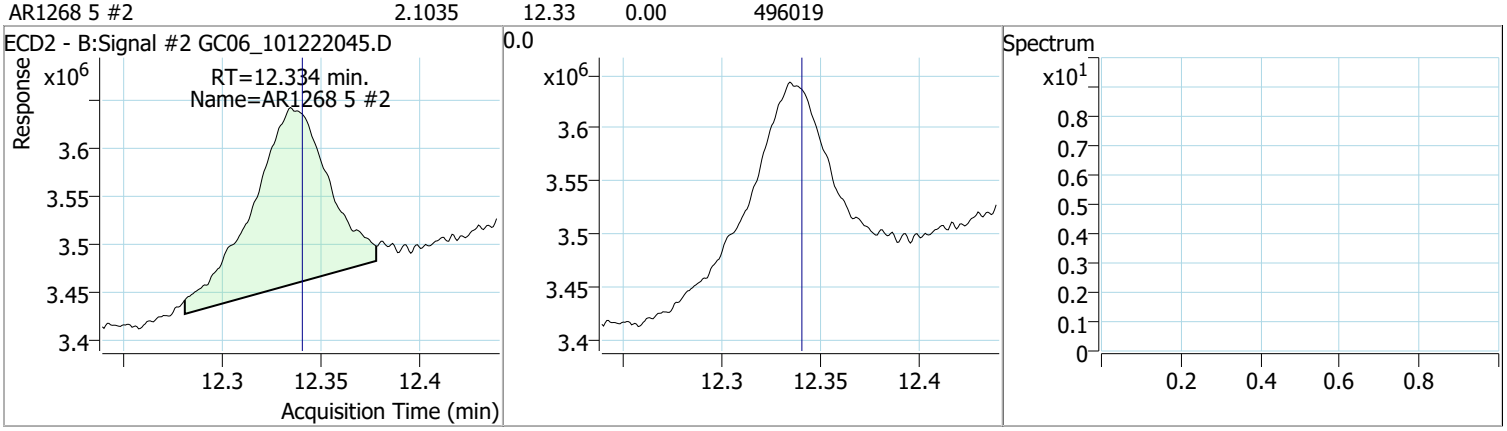
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	6.5581	11.24	-0.45	565596				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	3.9675	11.95	-0.01	215105				

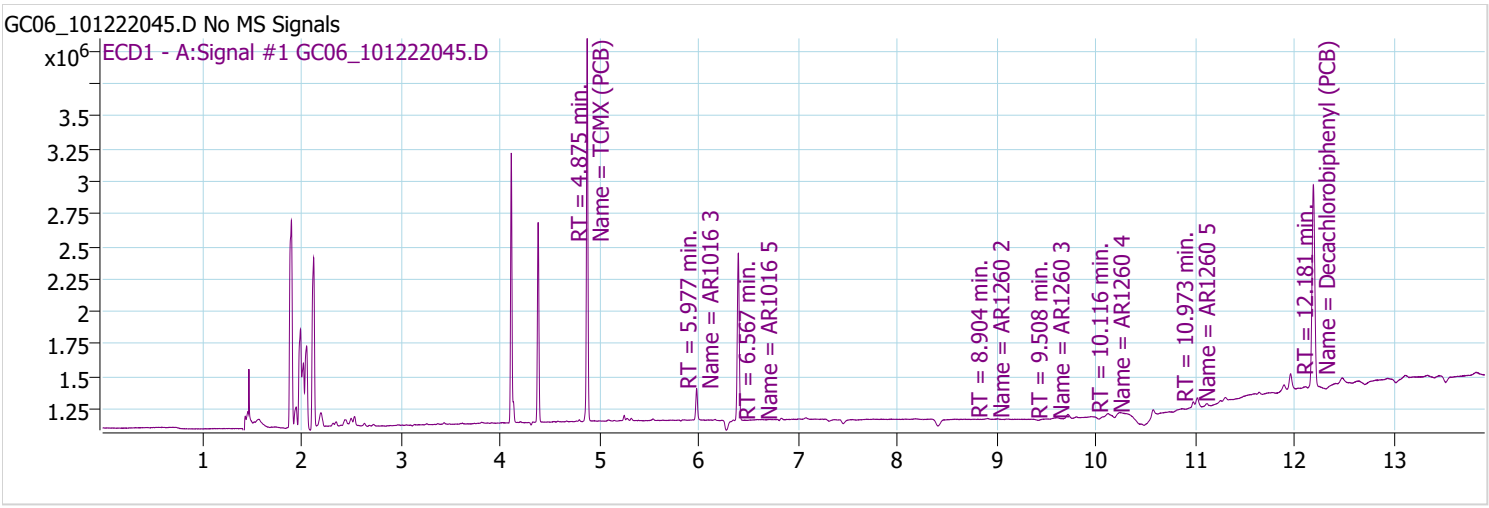


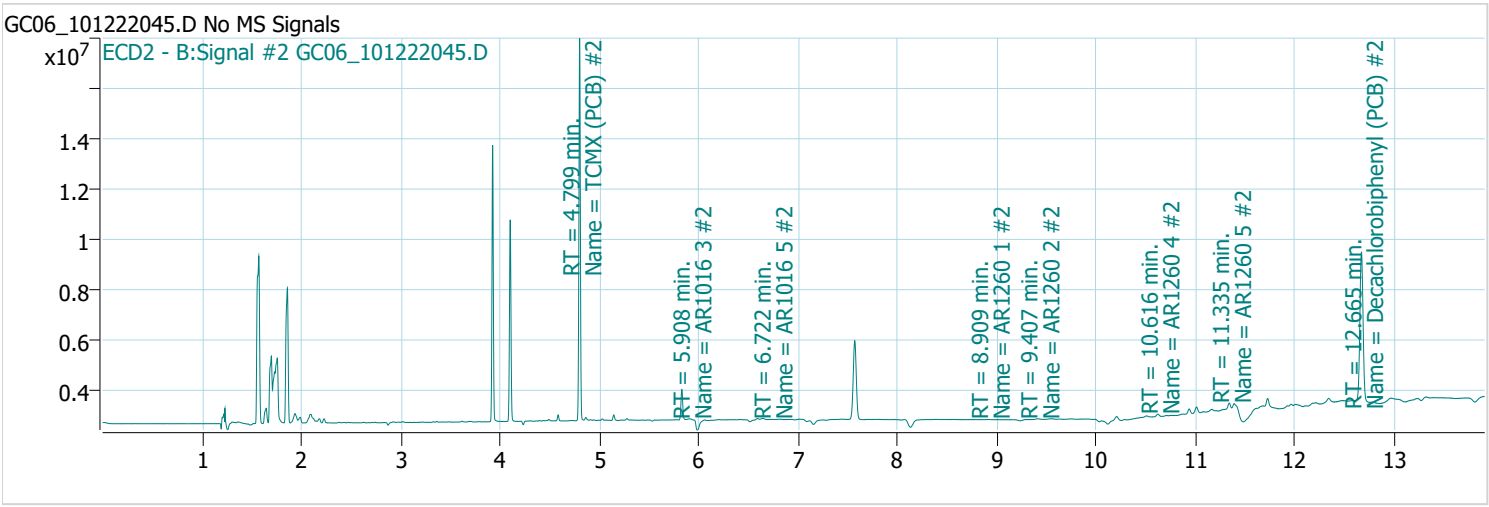
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	2.1035	12.33	0.00	496019				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101222045.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 9:49:29 PM
Sample Name	470460-012, 298736, 1	Instrument	SVOA-GC06
Vial	34	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222_pcb.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



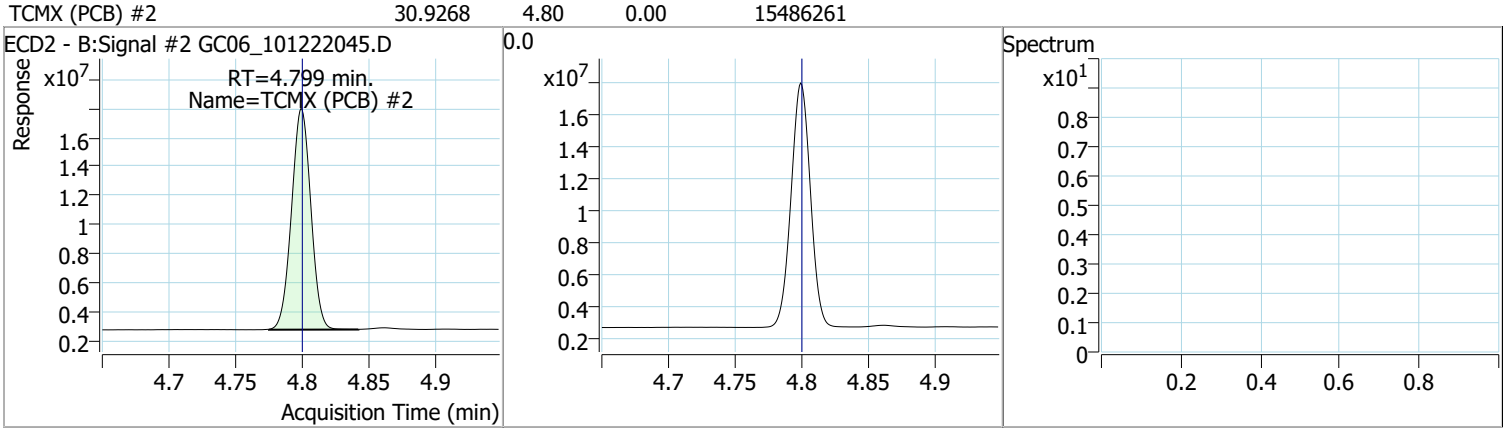


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.924	0.0	10228882.634	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.112	0.0	2115977.785	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	4.799	0.0	15486260.998	30.9268	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.63%		*	
S TCMX (PCB)	4.875	0.0	2959143.261	29.3597	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.80%			
S Decachlorobiphenyl (PCB)	12.181	0.0	3092827.931	21.7932	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 108.97%			
S Decachlorobiphenyl (PCB) #2	12.665	0.0	13487439.543	19.8778	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 99.39%			
Target Compounds							QValue

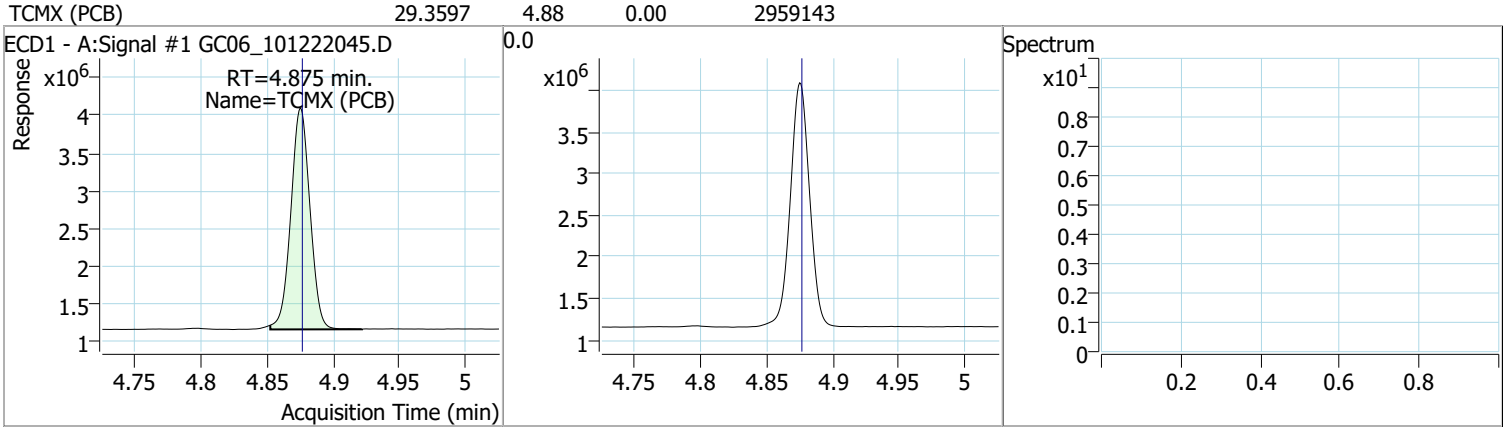
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.248	0.0	45433.689	21.9031	ng/ml	100
T AR1016 1 #2	5.276	0.0	162043.717	15.7596	ng/ml	100
T AR1016 2	5.537	0.0	23176.465	5.2273	ng/ml	100
T AR1016 2 #2	5.619	0.0	91402.163	4.2622	ng/ml	100
T AR1016 3	5.977	0.0	302047.937	57.7914	ng/ml	100
T AR1016 3 #2	5.908	0.0	571217.910	20.4729	ng/ml	100
T AR1016 4	6.163	0.0	336000.747	85.4113	ng/ml	100
T AR1016 4 #2	6.194	0.0	79710.933	4.3238	ng/ml	100
T AR1016 5	6.567	0.0	3668.149	1.1660	ng/ml	100
T AR1016 5 #2	6.722	0.0	7411.274	0.4761	ng/ml	100
T AR1260 1	8.473	0.0	30481.289	4.8969	ng/ml	100
T AR1260 2	8.904	0.0	16449.187	1.6748	ng/ml	100
T AR1260 1 #2	8.909	0.0	29972.562	0.8459	ng/ml	100
T AR1260 2 #2	9.407	0.0	119719.621	3.0097	ng/ml	100
T AR1260 3	9.508	0.0	27688.922	2.6926	ng/ml	100
T AR1260 3 #2	0.000		0	N.D.		
T AR1260 4	10.116	0.0	155850.646	26.8652	ng/ml	100
T AR1260 4 #2	10.616	0.0	189002.922	5.5807	ng/ml	100
T AR1260 5	10.973	0.0	83314.299	11.5994	ng/ml	100
T AR1260 5 #2	11.335	0.0	2028288.336	40.1442	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

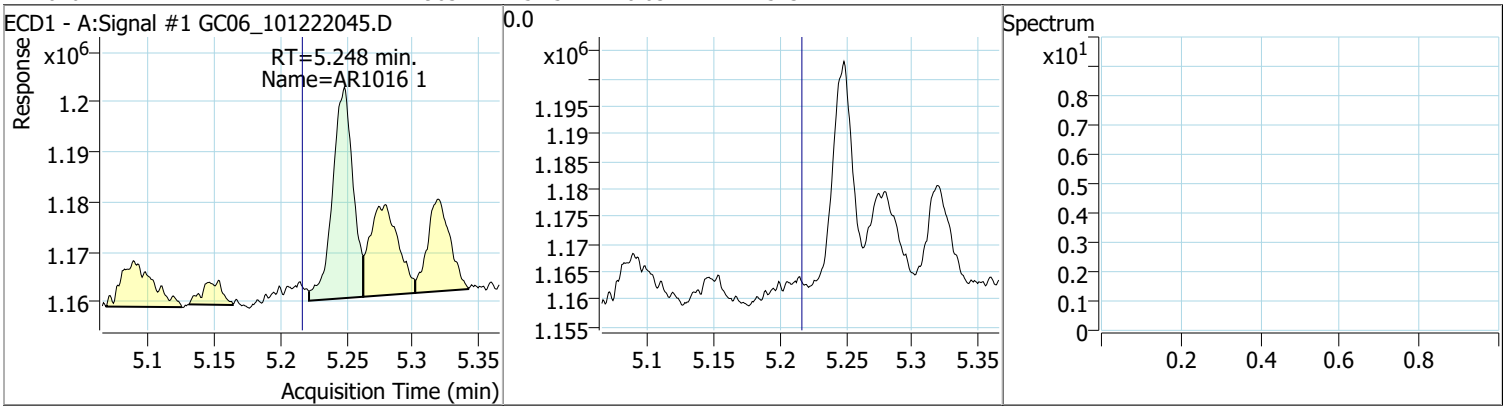
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.9268	4.80	0.00	15486261				



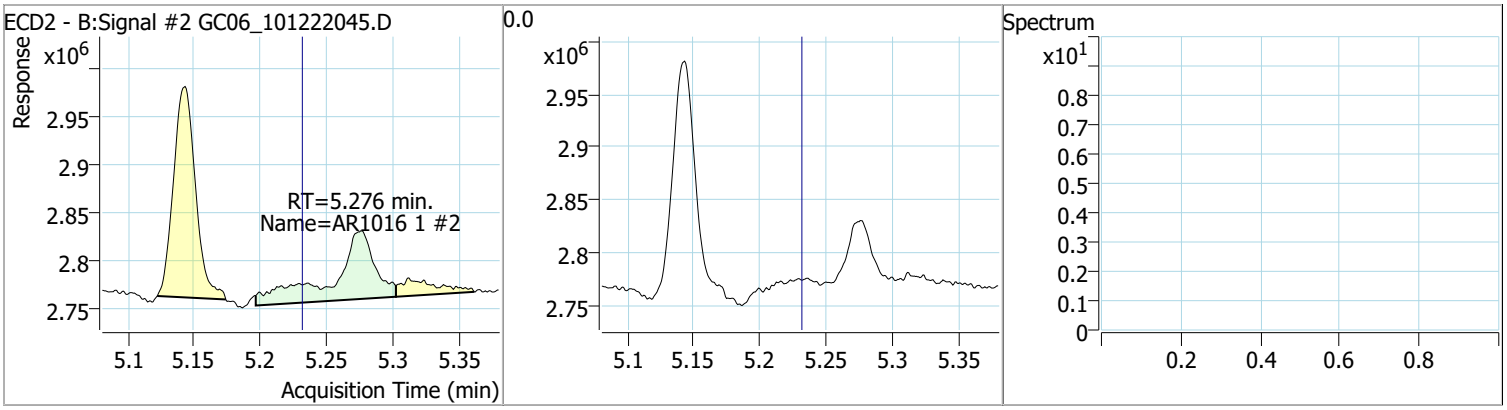
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	29.3597	4.88	0.00	2959143				



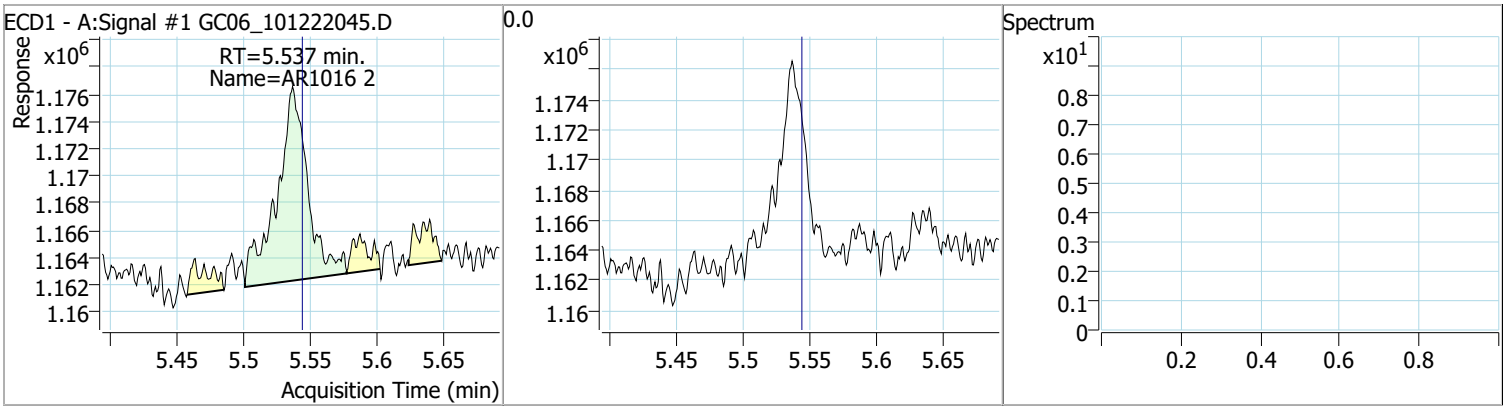
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	21.9031	5.25	0.03	45434				



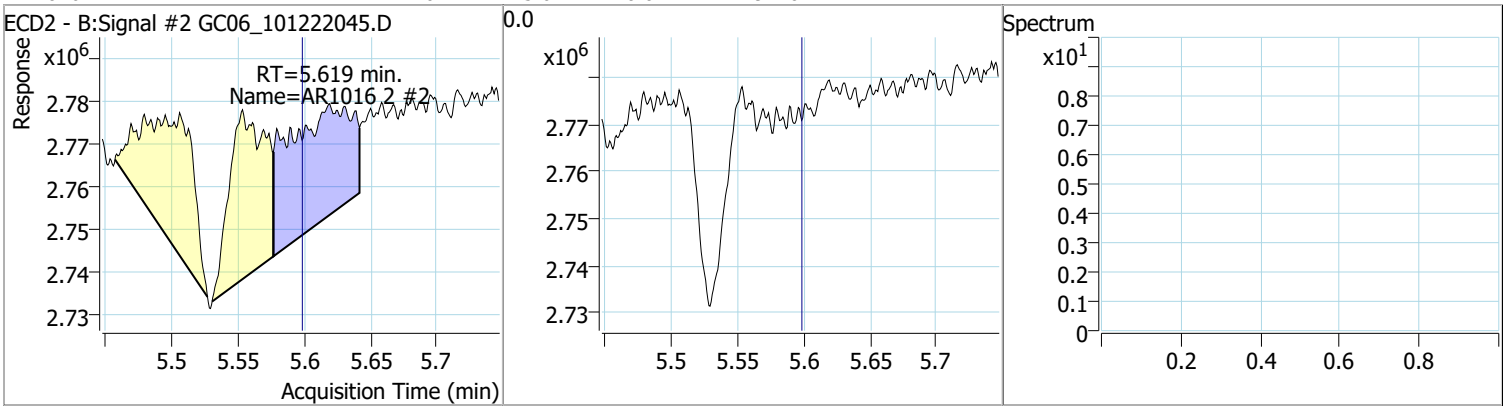
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	15.7596	5.28	0.04	162044				



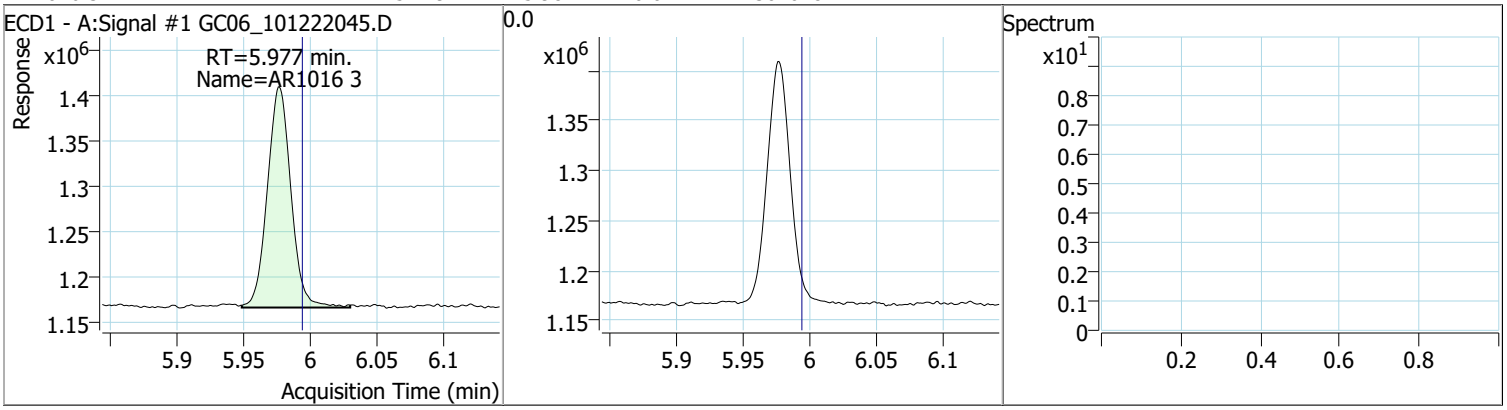
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	5.2273	5.54	-0.01	23176				



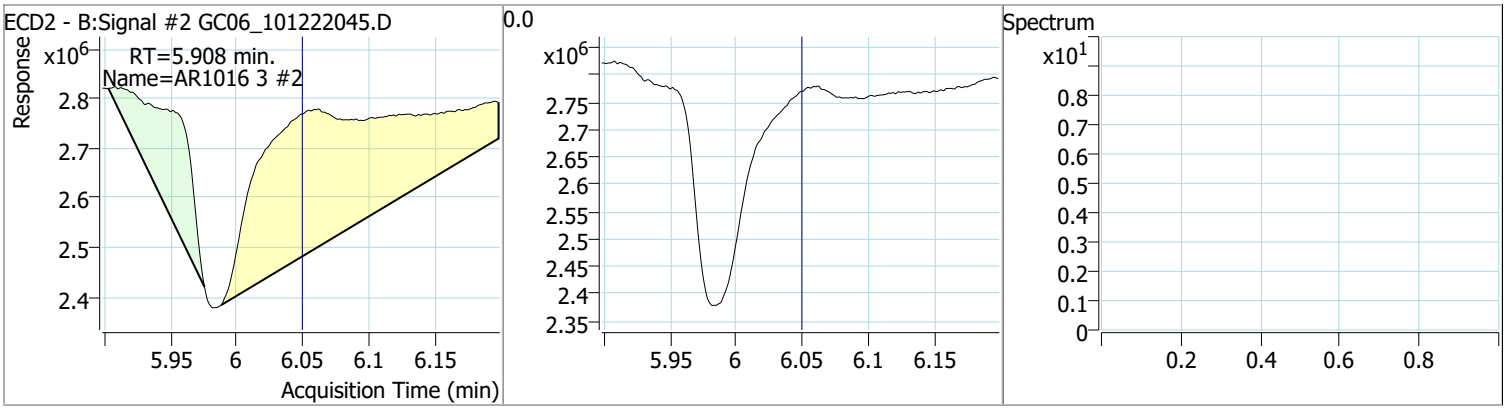
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	4.2622	5.62	0.02	91402				



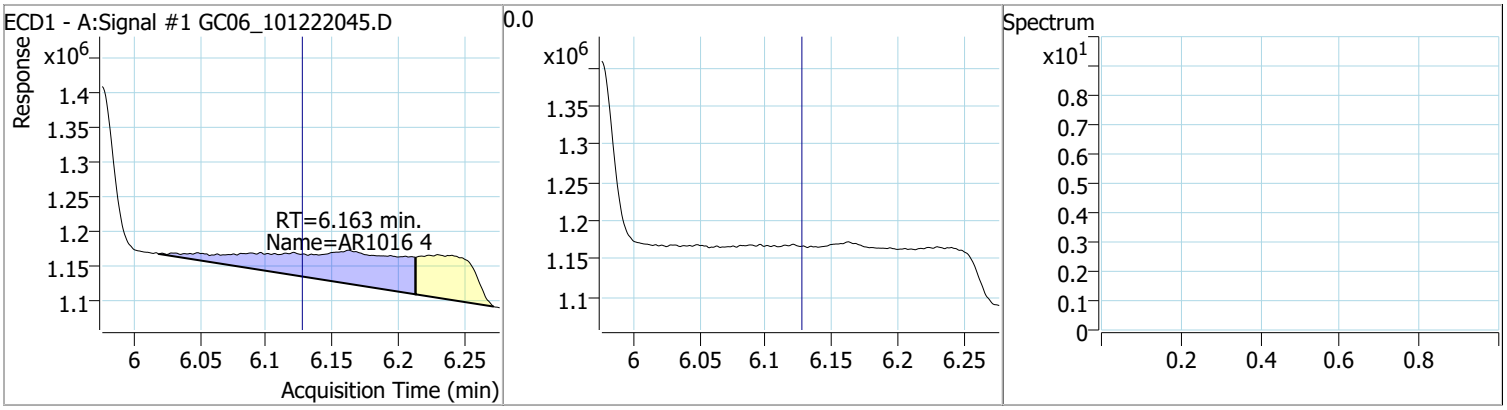
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	57.7914	5.98	-0.02	302048				



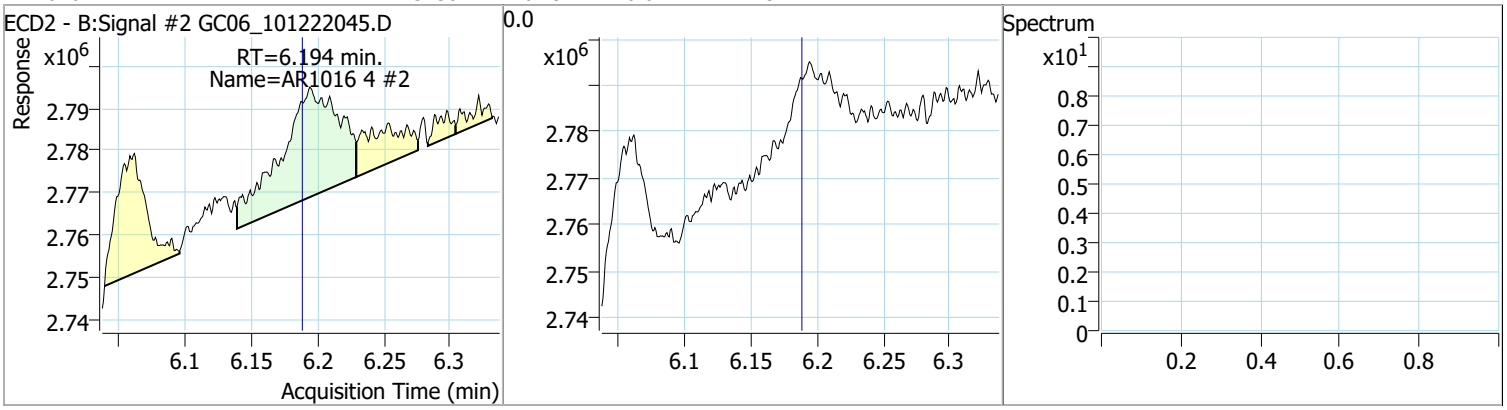
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	20.4729	5.91	-0.14	571218				



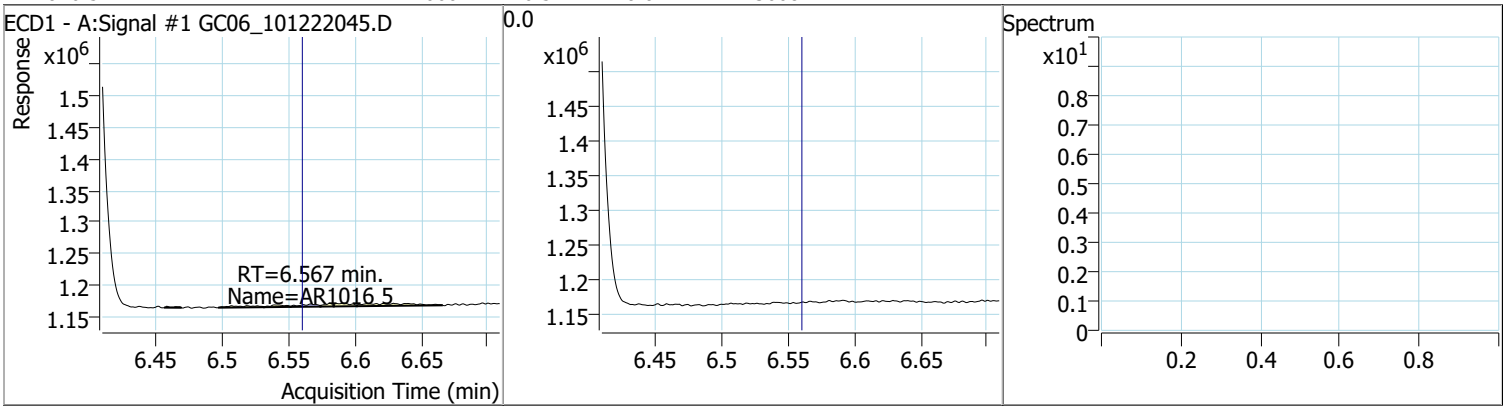
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	85.4113	6.16	0.03	336001				



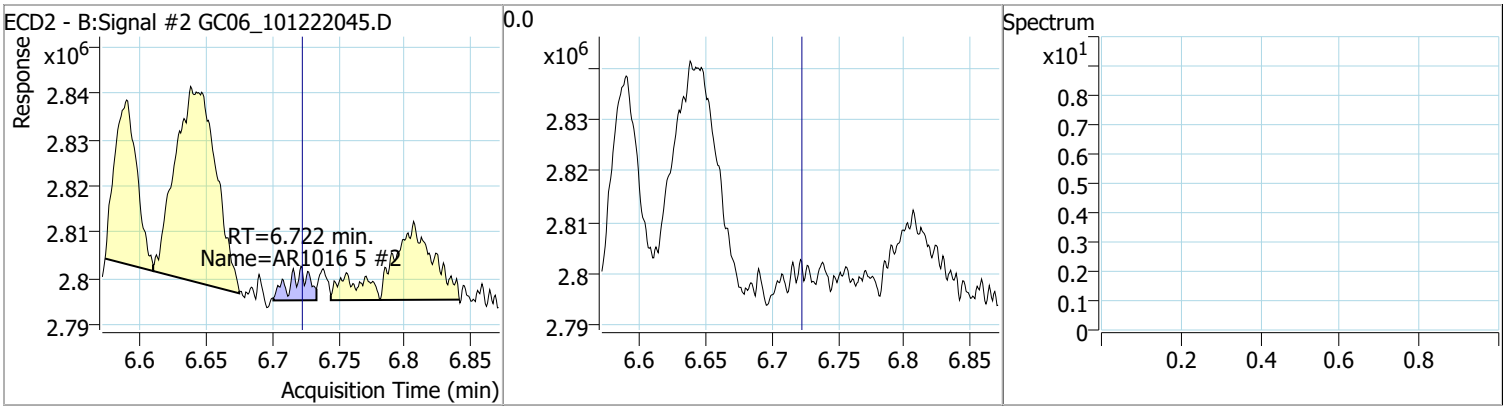
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.3238	6.19	0.01	79711				



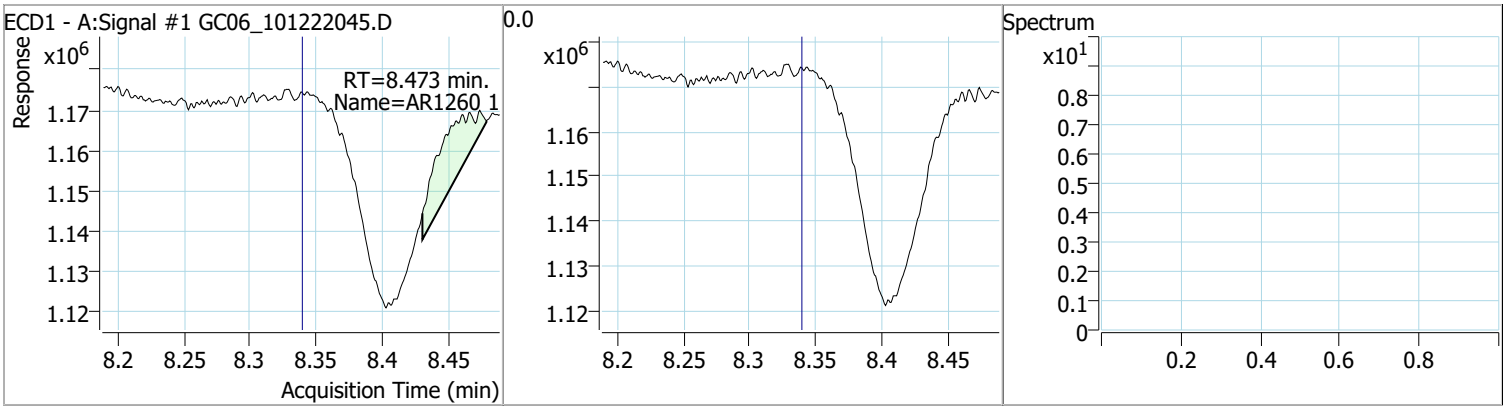
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1.1660	6.57	0.01	3668				



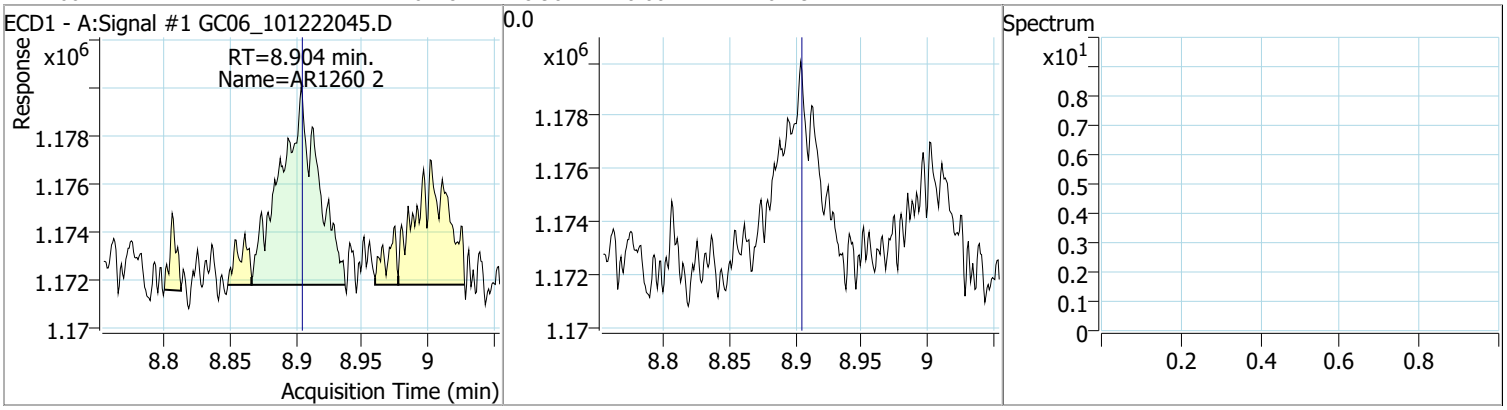
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.4761	6.72	0.00	7411				



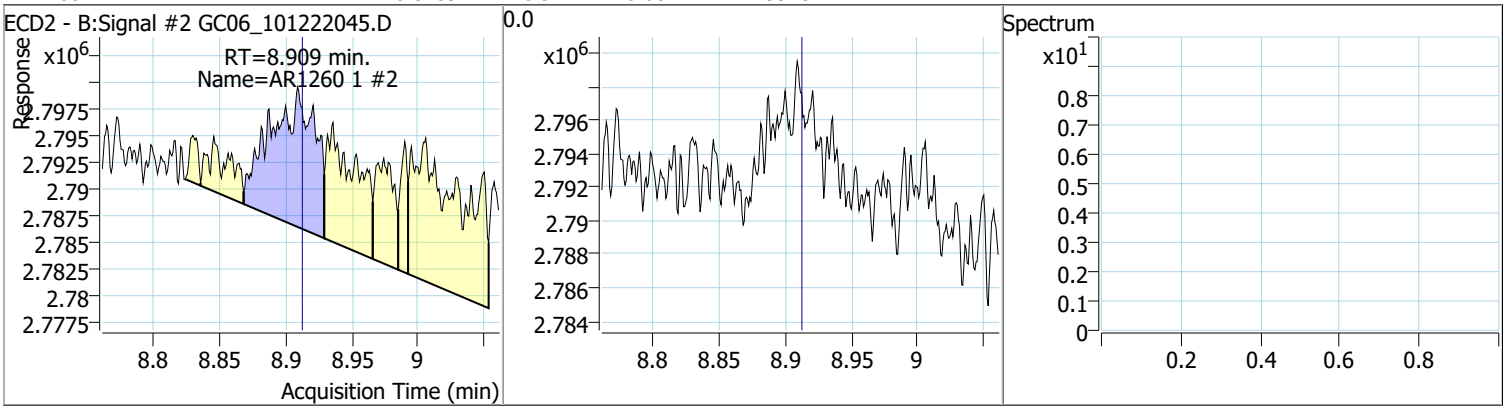
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	4.8969	8.47	0.13	30481				



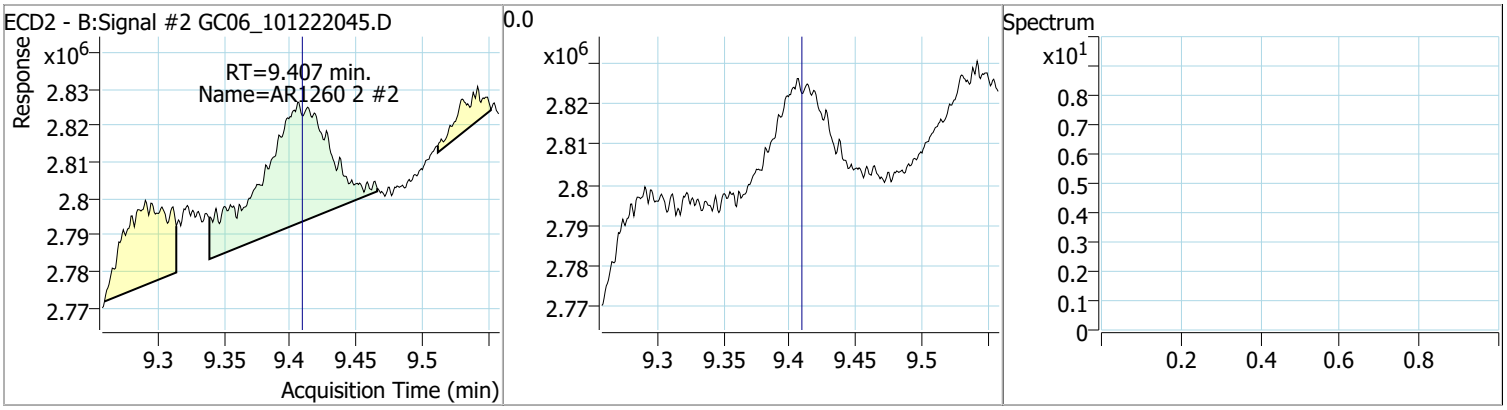
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.6748	8.90	0.00	16449				



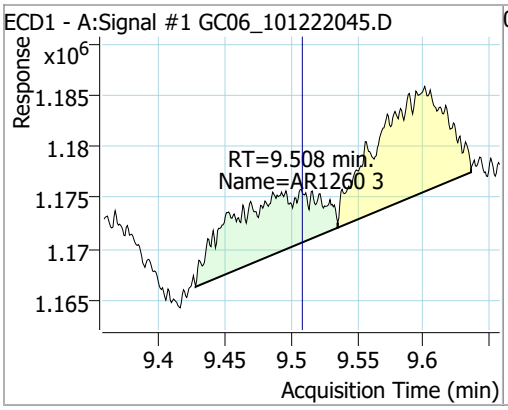
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.8459	8.91	0.00	29973				

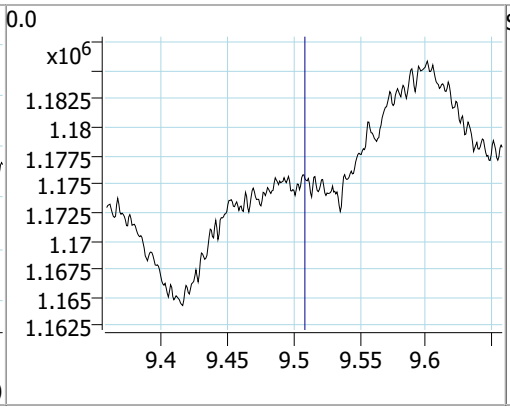


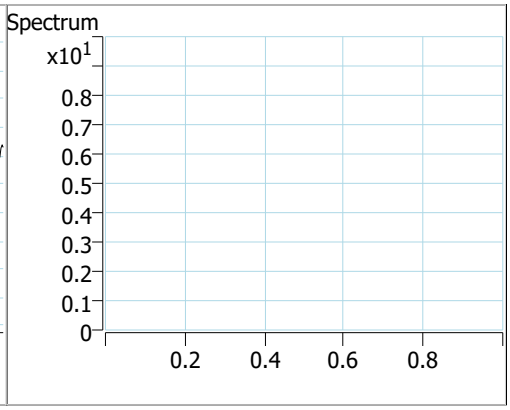
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.0097	9.41	0.00	119720				



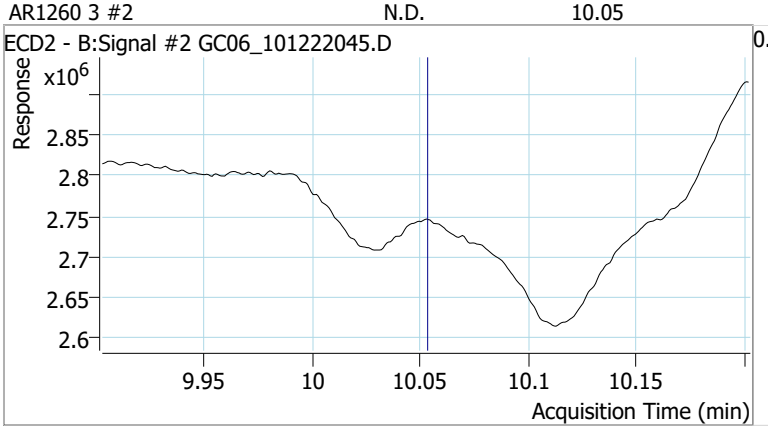
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.6926	9.51	0.00	27689				

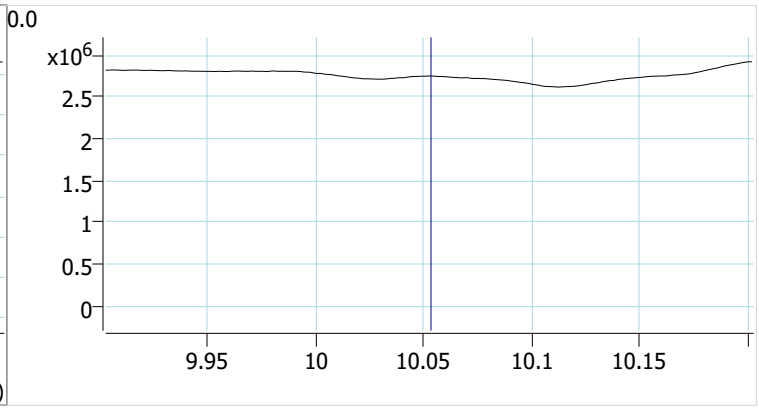




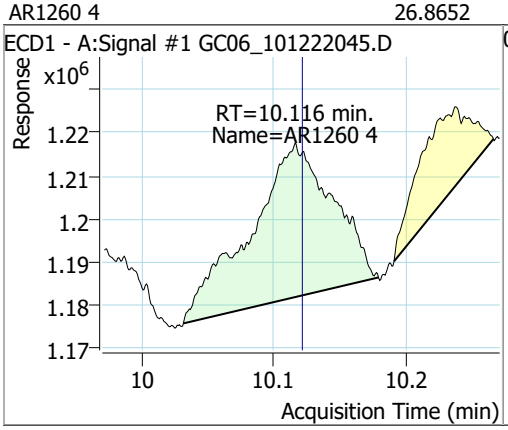


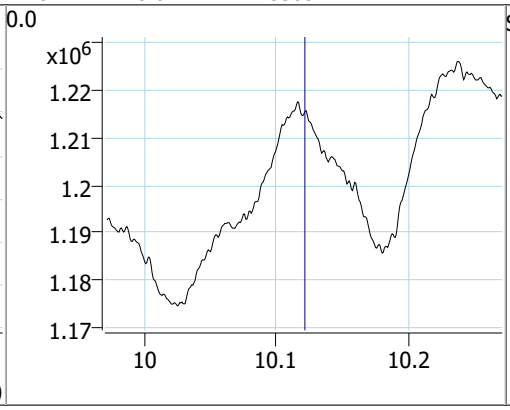
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3 #2	N.D.	10.05		

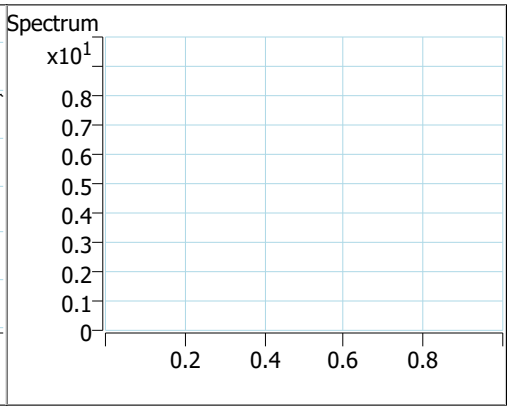




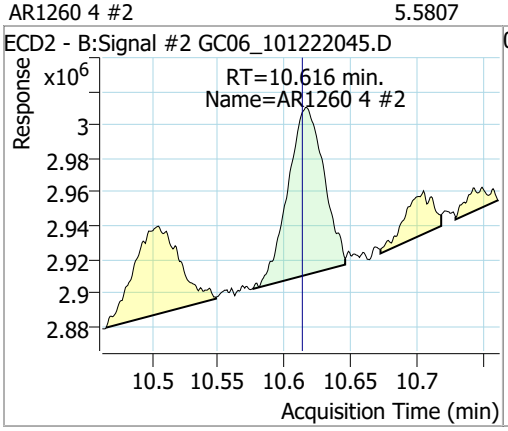
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	26.8652	10.12	-0.01	155851				

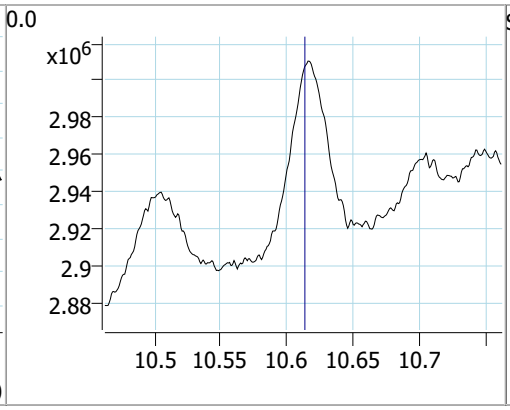


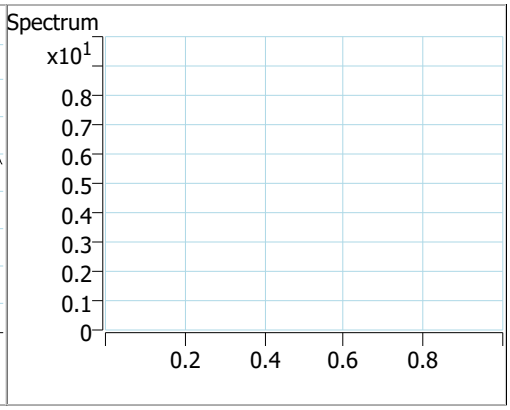




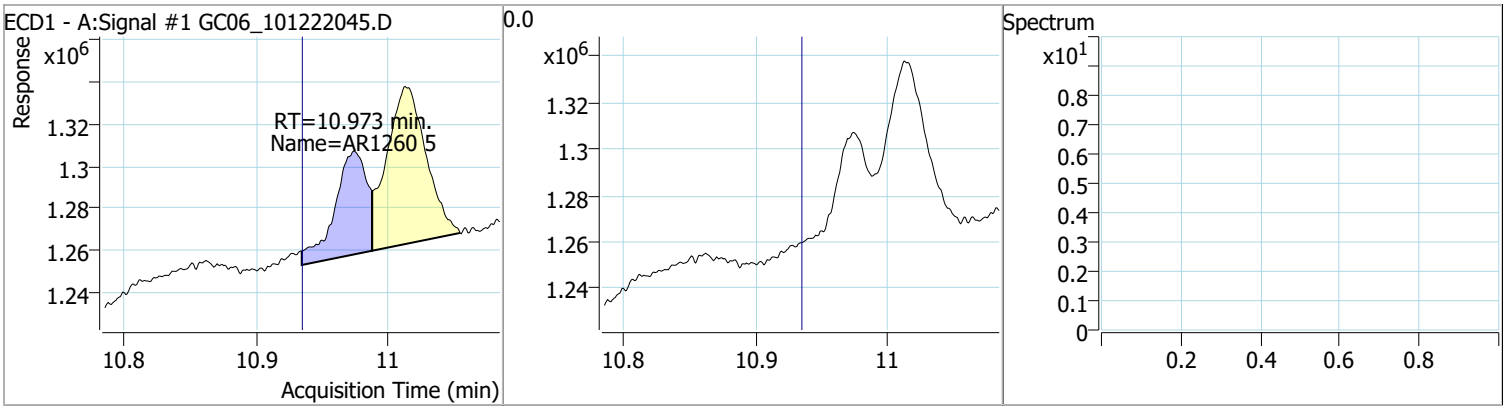
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.5807	10.62	0.00	189003				



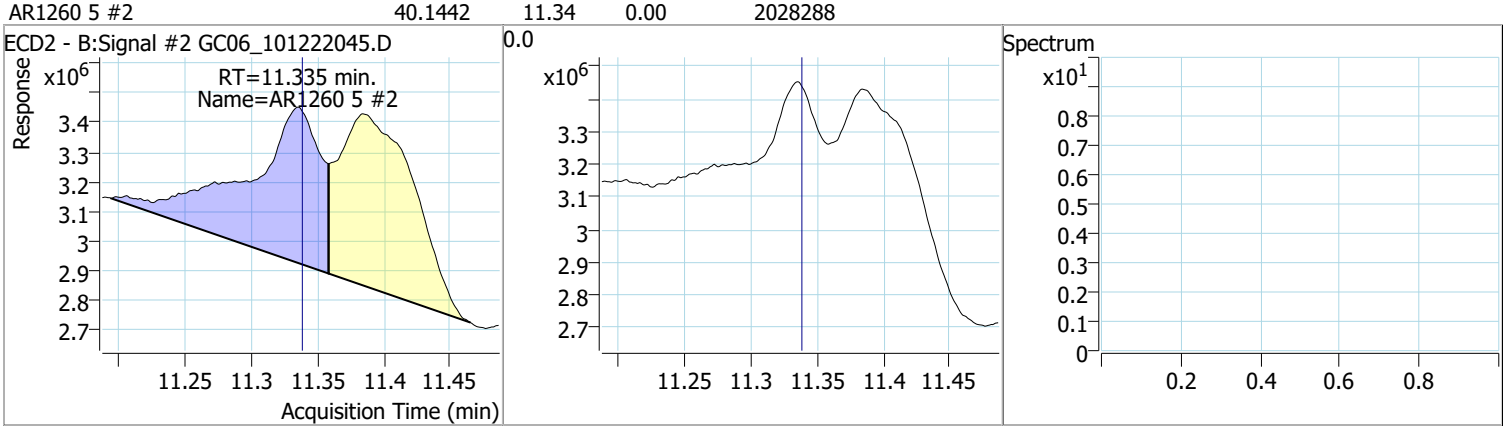




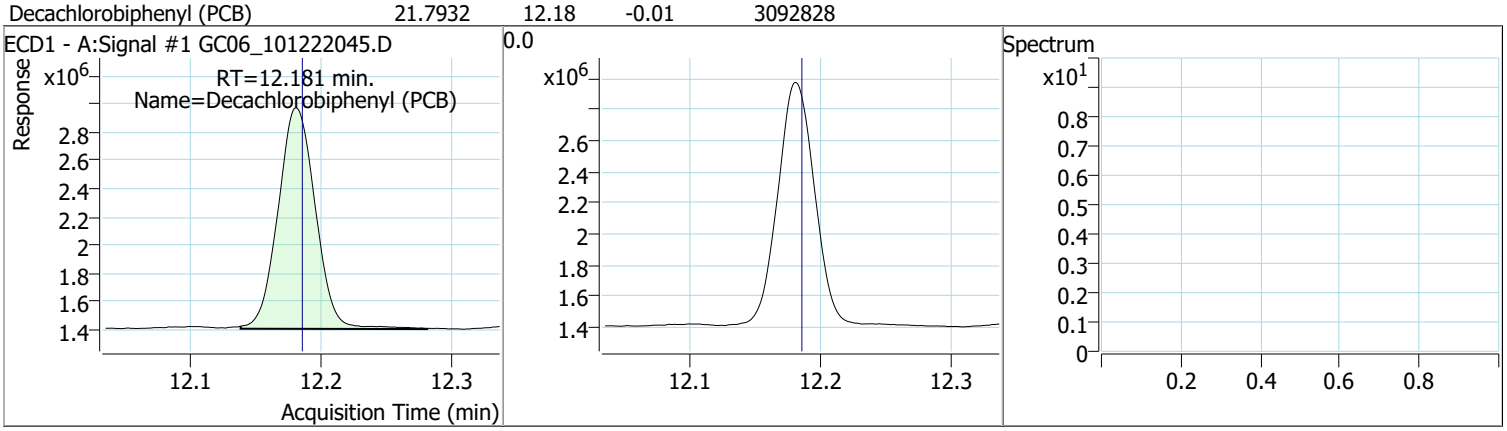
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	11.5994	10.97	0.04	83314				



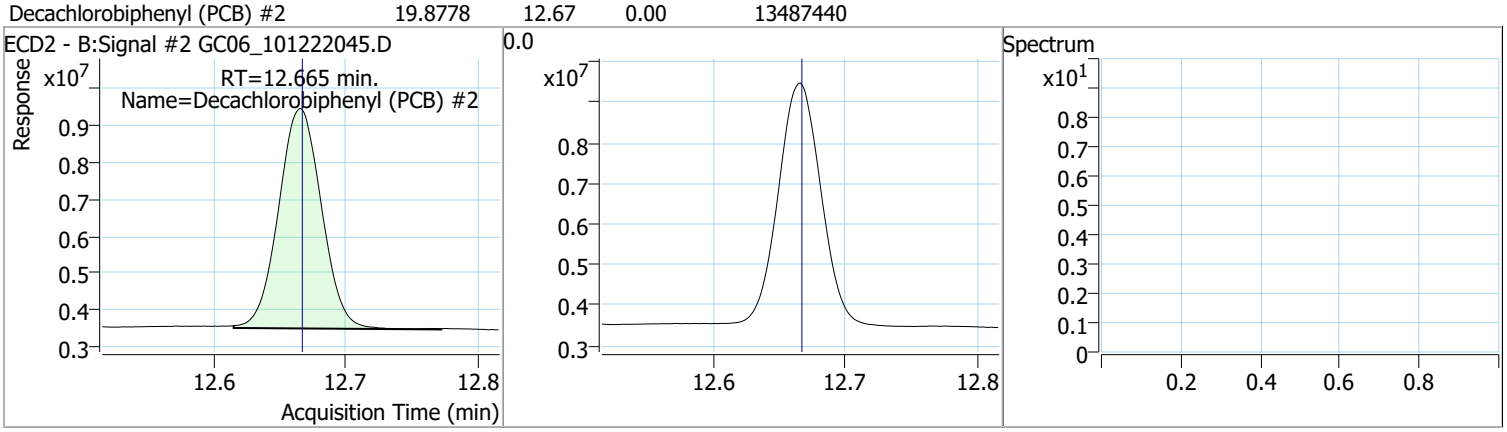
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	40.1442	11.34	0.00	2028288				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	21.7932	12.18	-0.01	3092828				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.8778	12.67	0.00	13487440				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	470460-012	Client ID:	ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-P-LA
Seqnum:	462421067030	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_101922030	Batch:	298736	Time:	19-OCT-2022 17:54
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	462418197001	30.43	ug/L	~~0.61~~ FP	0.41	40%	0.50		x
Aroclor-1016 Peak # 1	B	462418197001	12.95	ug/L	0.26	0.83	105%			
Aroclor-1016 Peak # 2	B	462418197001	1.496	ug/L	0.03	0.07	82%			
Aroclor-1016 Peak # 3	B	462418197001	137.2	ug/L	2.74	1.09	86%			
Aroclor-1016 Peak # 4	B	462418197001	0.2511	ug/L	0.01	0.04	150%			
Aroclor-1016 Peak # 5	B	462418197001	0.2617	ug/L	0.01	ND				
Aroclor-1221	B				ND			0.50		
Aroclor-1232	B				ND			0.50		
Aroclor-1242	B				ND			0.50		
Aroclor-1248	B				ND			0.50		
Aroclor-1254	B				ND			0.50		
Aroclor-1260	B	462418197001	-2.529	ug/L	ND	0.52	243%	0.50		
Aroclor-1260 Peak # 1	B	462418197001	-1.136	ug/L	ND	1.52	206%			
Aroclor-1260 Peak # 2	B	462418197001	-18.15	ug/L	ND	0.04	-246%			
Aroclor-1260 Peak # 3	B	462418197001	2.671	ug/L	0.05	0.09	52%			
Aroclor-1260 Peak # 4	B	462418197001	-9.860	ug/L	ND	0.97	302%			
Aroclor-1260 Peak # 5	B	462418197001	13.83	ug/L	0.28	ND	231%			
Aroclor-1262	B				ND			0.50		
Aroclor-1268	B	462421067003	16.14	ug/L	ND	0.43	28%	0.50		?v
Aroclor-1268 Peak # 1	B	462421067003	32.55	ug/L	0.65	0.48	30%			
Aroclor-1268 Peak # 2	B	462421067003	19.87	ug/L	0.40	1.46	115%			
Aroclor-1268 Peak # 3	B	462421067003	9.433	ug/L	0.19	0.10	65%			
Aroclor-1268 Peak # 4	B	462421067003	15.11	ug/L	0.30	0.02	171%			
Aroclor-1268 Peak # 5	B	462421067003	3.759	ug/L	0.08	0.08	8%			

Surrogate	Ch	Cal	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	462418197001	30.94	pg/uL	1.000	0.6188	62	52-186	
Decachlorobiphenyl (PCB)	B	462418197001	22.08	pg/uL	1.000	0.4416	**44***	50-150	c-

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1221)

ISTD (CCV gc07_101922005)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1667304	1715167	2.87
1-bromo-2-nitrobenzene (PCB)	A	2661991	2898668	8.89

ISTD (ICAL gc07_101922009)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2837598	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	1779374	**???**	**-100.00 ***

ISTD (ICAL gc07_101922010)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	2019153	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	3240291	**???**	**-100.00 ***

ISTD (ICAL gc07_101922012)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1691835	1716216	1.44
1-bromo-2-nitrobenzene (1268)	A	2747576	2897493	5.46

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1221)

ISTD (CCV gc07_101922005)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.03	4.02	-0.01

ISTD (ICAL gc07_101922009)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.02	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.28	**???**	

ISTD (ICAL gc07_101922010)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.28	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.02	**???**	

ISTD (ICAL gc07_101922012)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (1268)	A	4.02	4.02	0.00

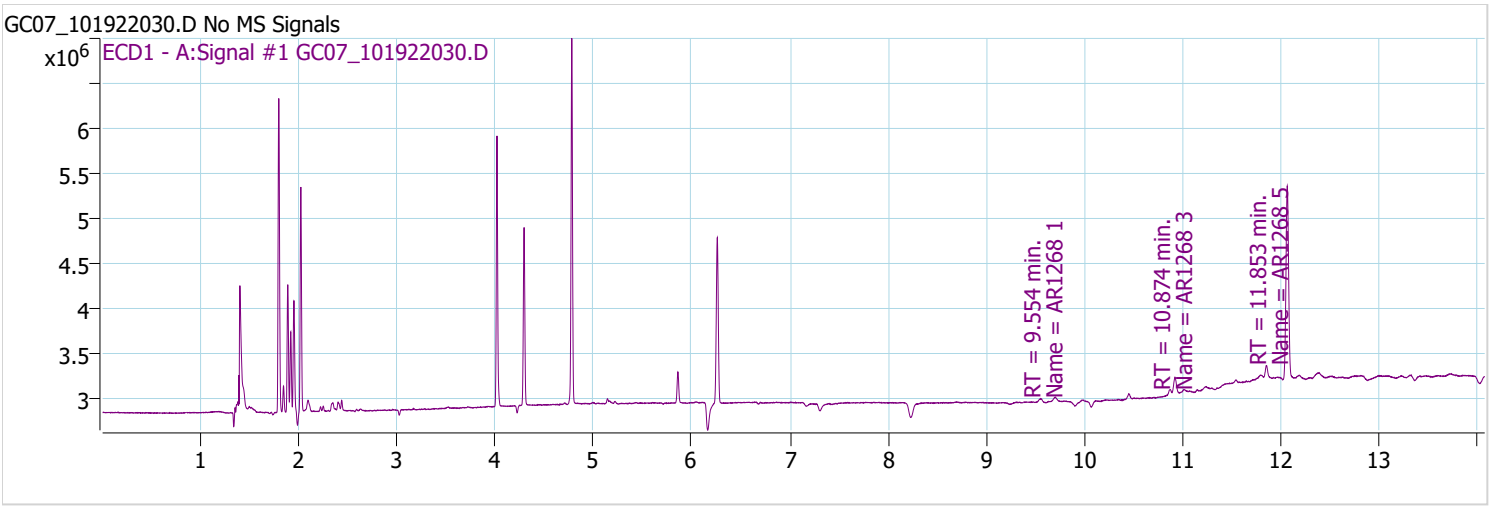
TRN 10/19/22 : Confirm low surrogate

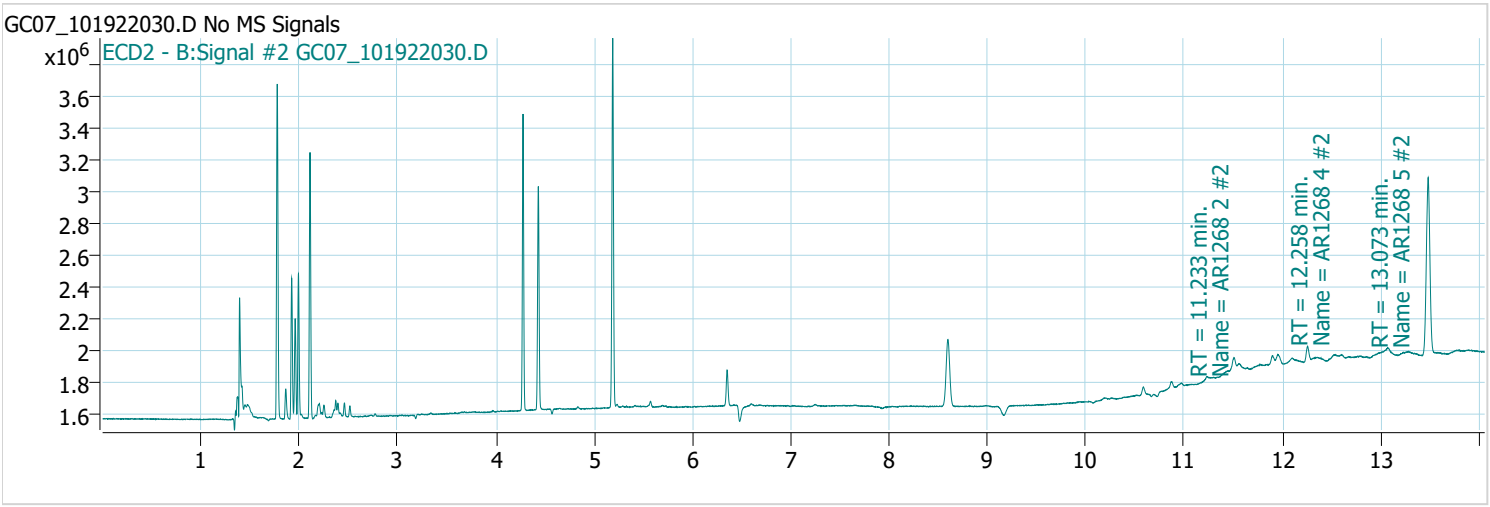
-=low bias ?=missing c=CCV v=ICV out x=false positive

Analyst: TRN 10/19/22 **Reviewer:**

Quantitation Results Report (Not Reviewed)

Data File	GC07_101922030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	10/19/2022 5:54:45 PM
Sample Name	470460-012, 298736, 1	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_AR1268_101922_GC07_1.m	Comment	wipe/1s-20ml//rr
Tune File	ATUNE.U	Tune Date	
Batch Name	101922AR1268.batch.bin	Last Calib Update	10/19/2022 6:44:55 PM
Ref Library			



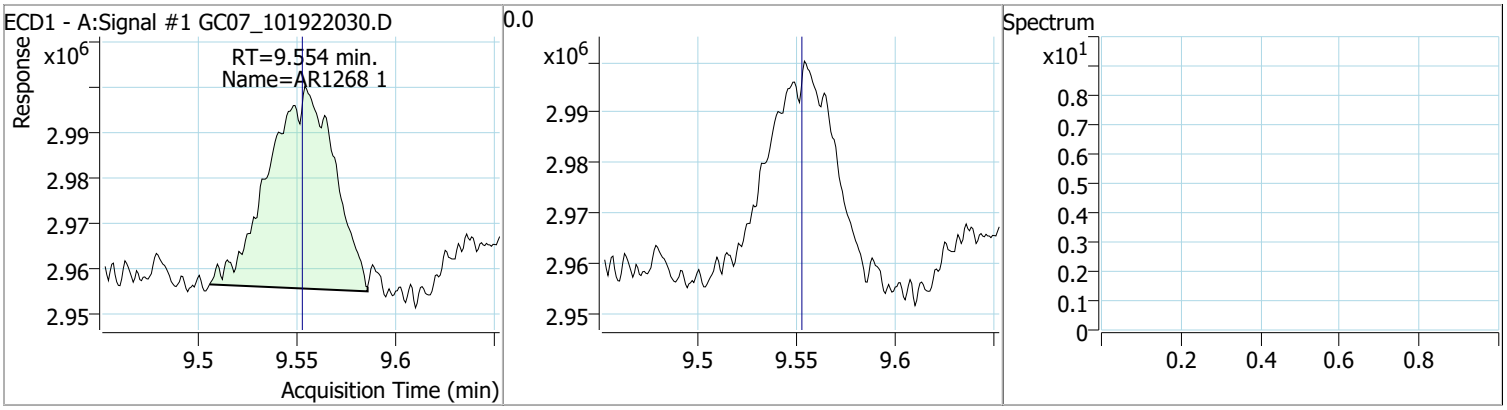


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.017	0.0	2897492.576	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (1268) #2	4.277	0.0	1716216.251	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	9.554	0.0	103252.069	23.9840	ng/ml	100
T AR1268 2	9.986	0.0	428359.869	73.1601	ng/ml	100
T Aroclor-1268	10.684	0.0	184639.041	7.9759	ng/ml	
T AR1268 3	10.874	0.0	114831.165	4.8101	ng/ml	100
T AR1268 1 #2	10.876	0.0	82132.272	32.5491	ng/ml	100
T AR1268 4	11.152	0.0	22312.488	1.1773	ng/ml	100
T AR1268 2 #2	11.233	0.0	66090.463	19.8746	ng/ml	100
T Aroclor-1268 #2	11.868	0.0	116802.813	8.5258	ng/ml	
T AR1268 5	11.853	0.0	254439.615	4.0540	ng/ml	100
T AR1268 3 #2	11.901	0.0	128311.667	9.4334	ng/ml	100
T AR1268 4 #2	12.258	0.0	163878.492	15.1060	ng/ml	100

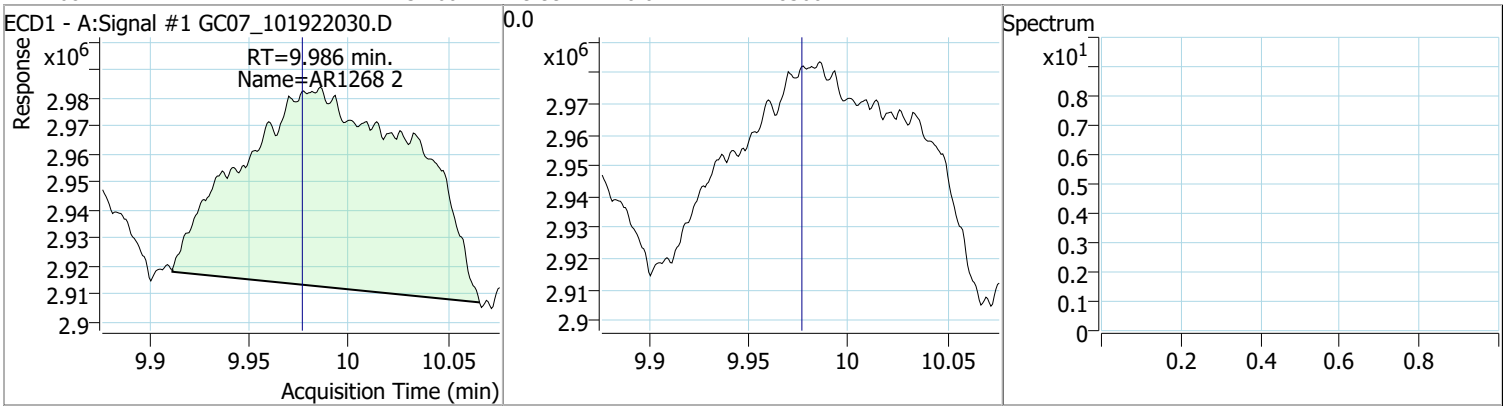
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 5 #2	13.073	0.0	143601.171	3.7592	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

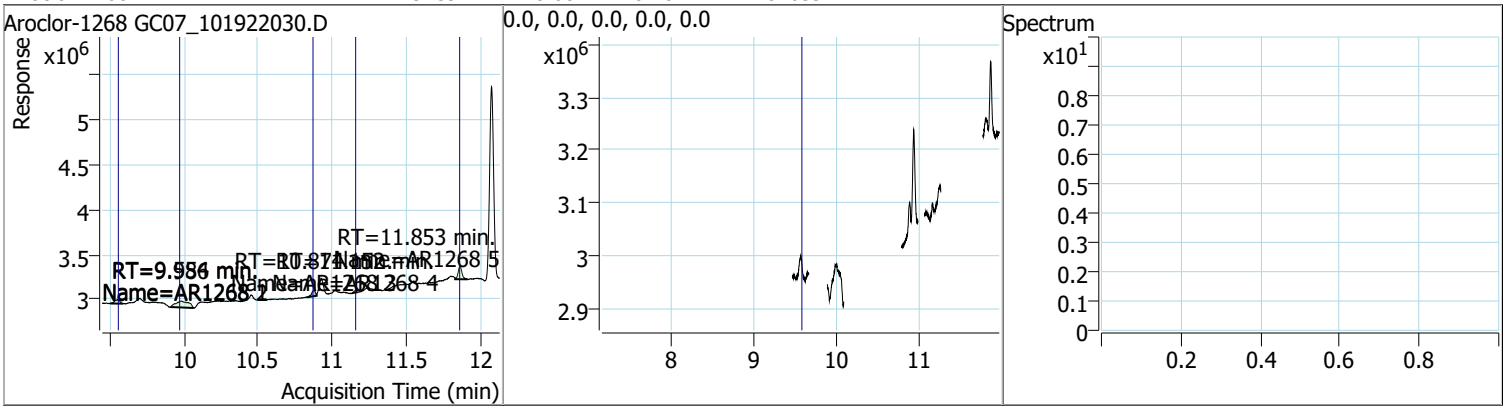
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	23.9840	9.55	0.00	103252				



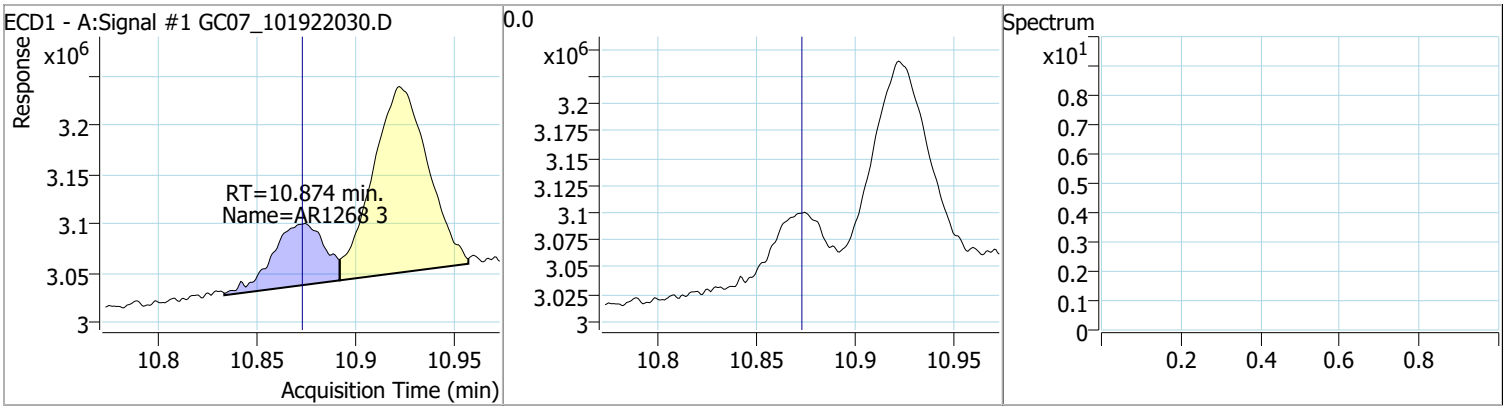
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	73.1601	9.99	0.01	428360				



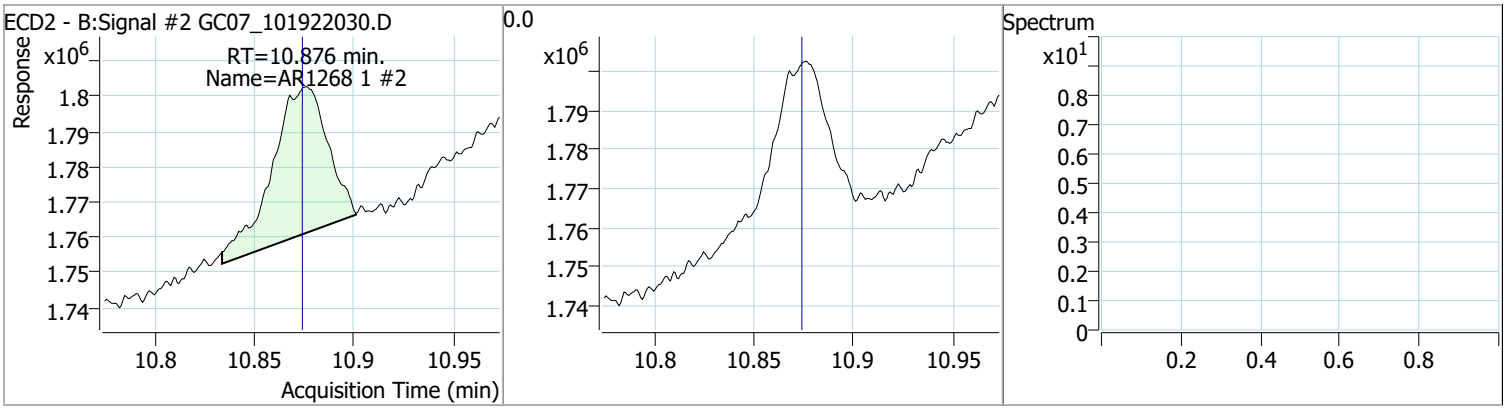
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	7.9759	10.68	-0.10	184639				



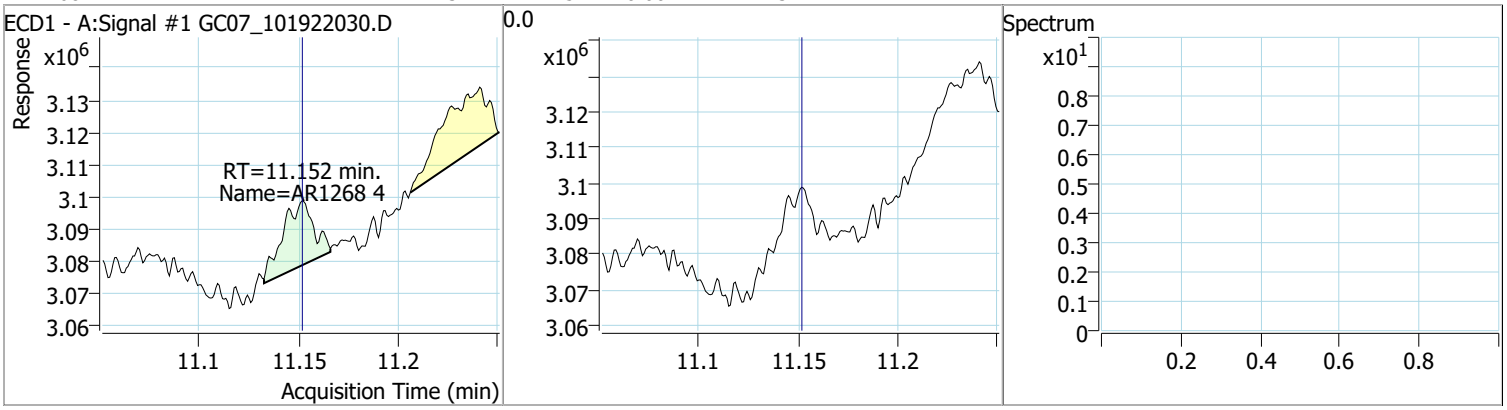
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	4.8101	10.87	0.00	114831				



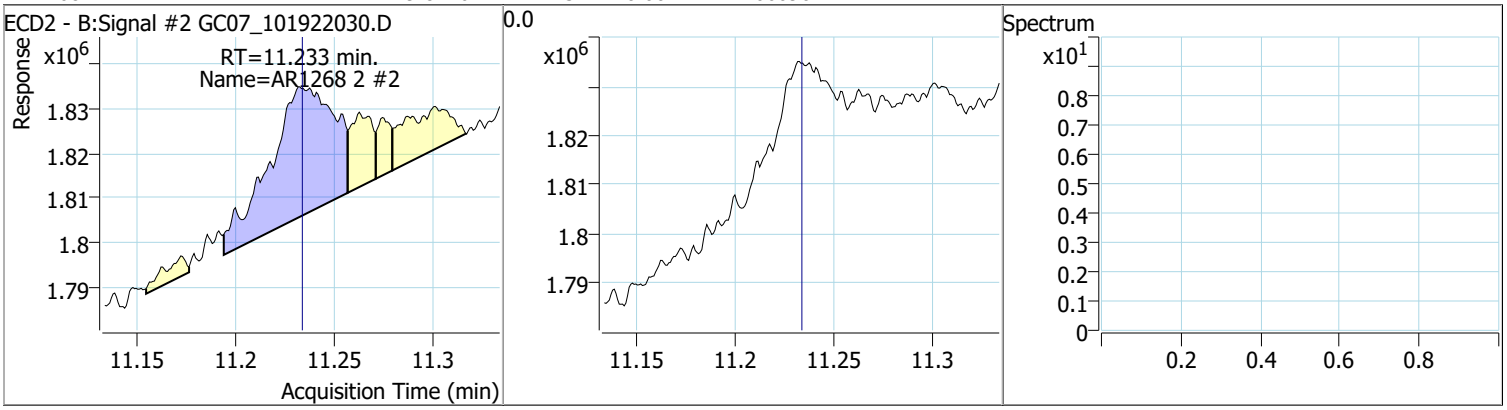
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	32.5491	10.88	0.00	82132				



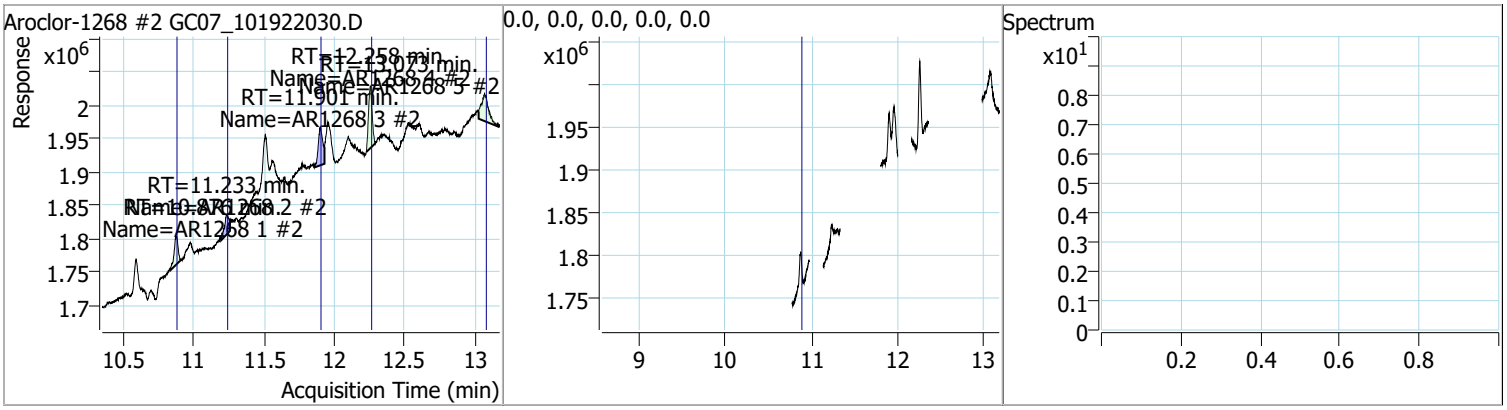
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	1.1773	11.15	0.00	22312				



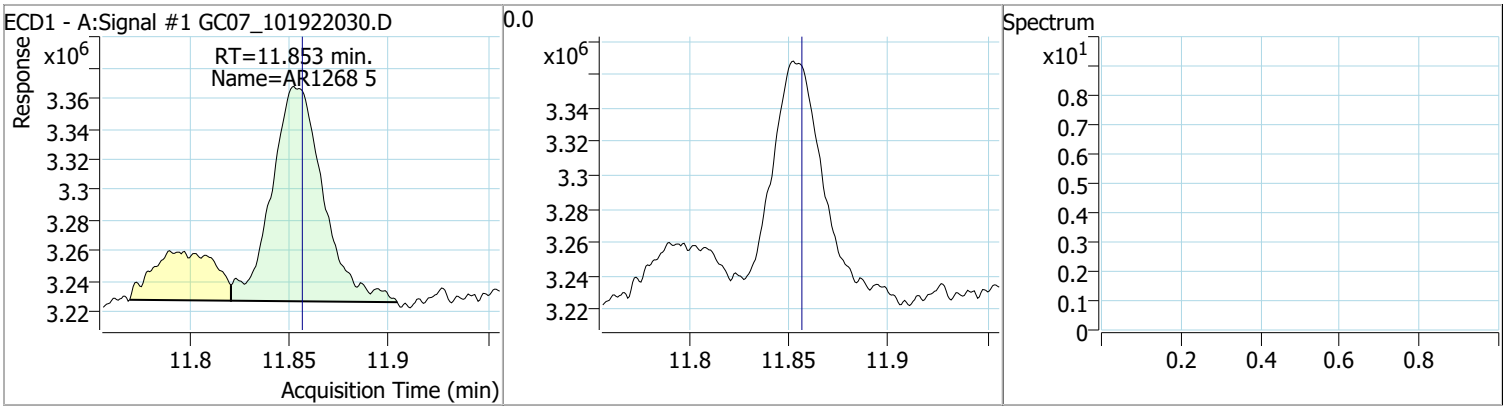
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	19.8746	11.23	0.00	66090				



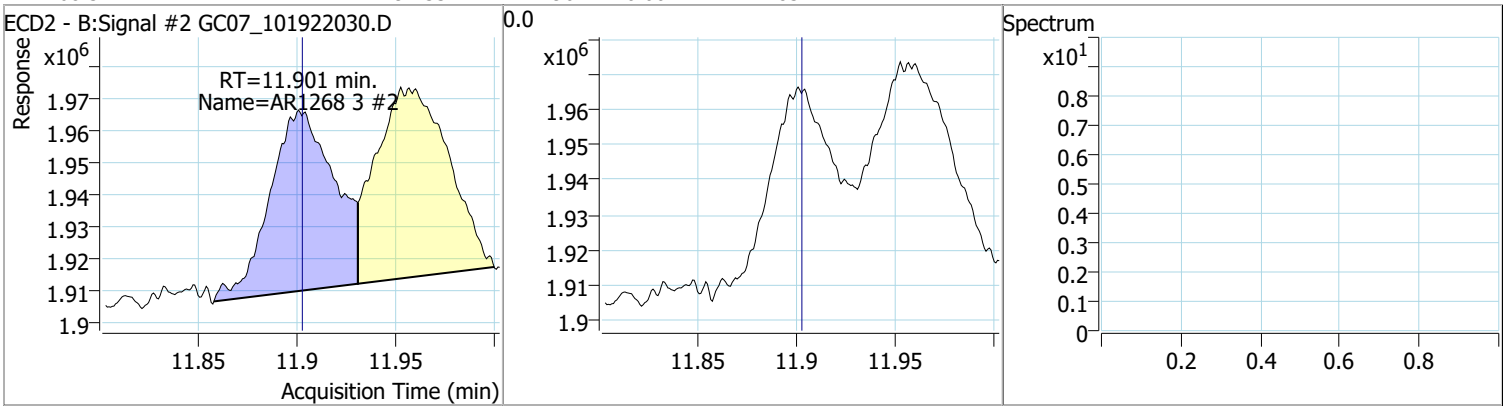
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	8.5258	11.87	0.10	116803				



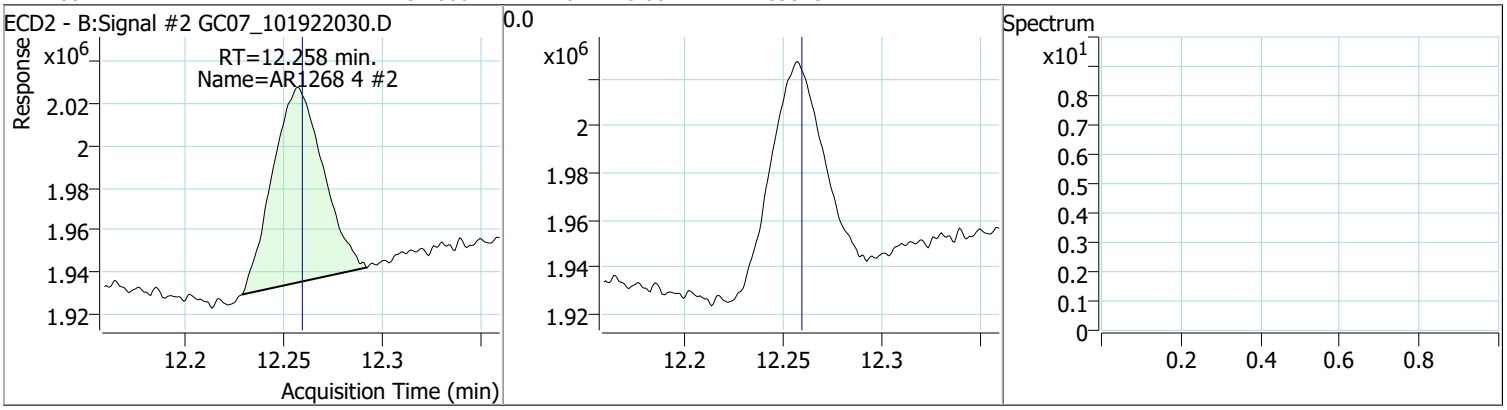
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	4.0540	11.85	0.00	254440				



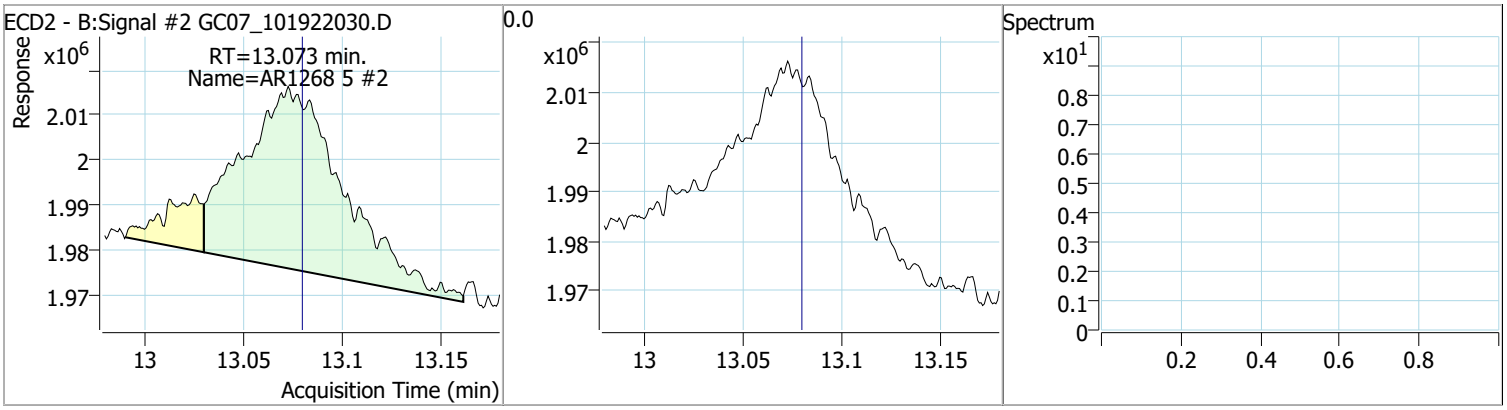
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	9.4334	11.90	0.00	128312				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	15.1060	12.26	0.00	163878				

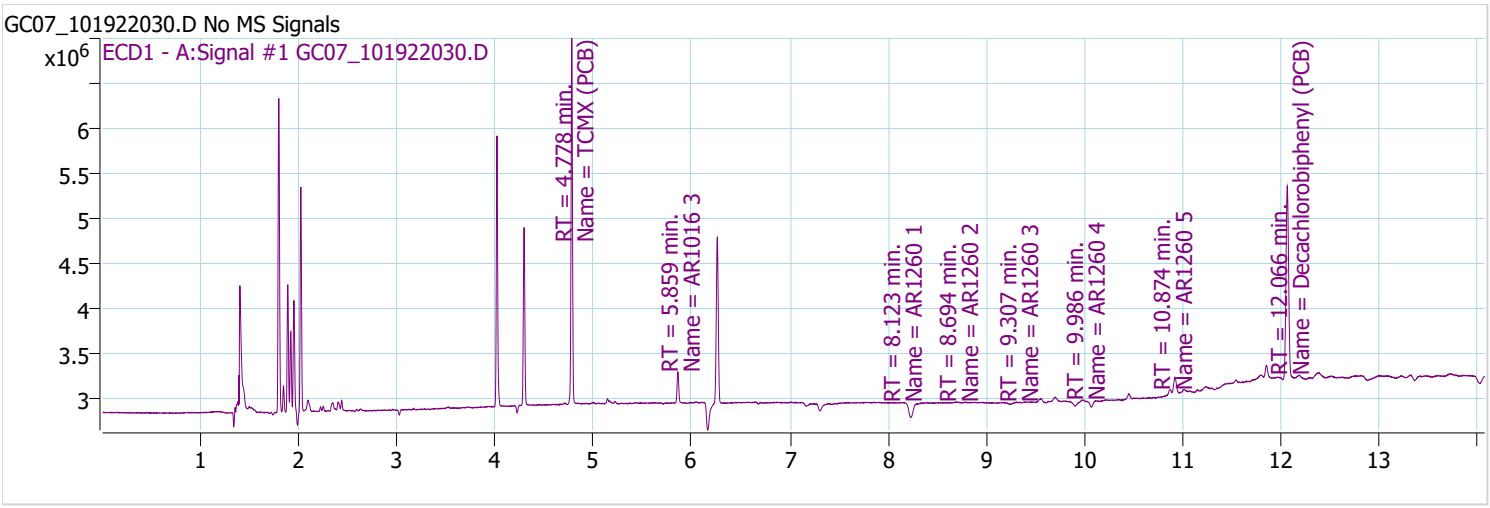


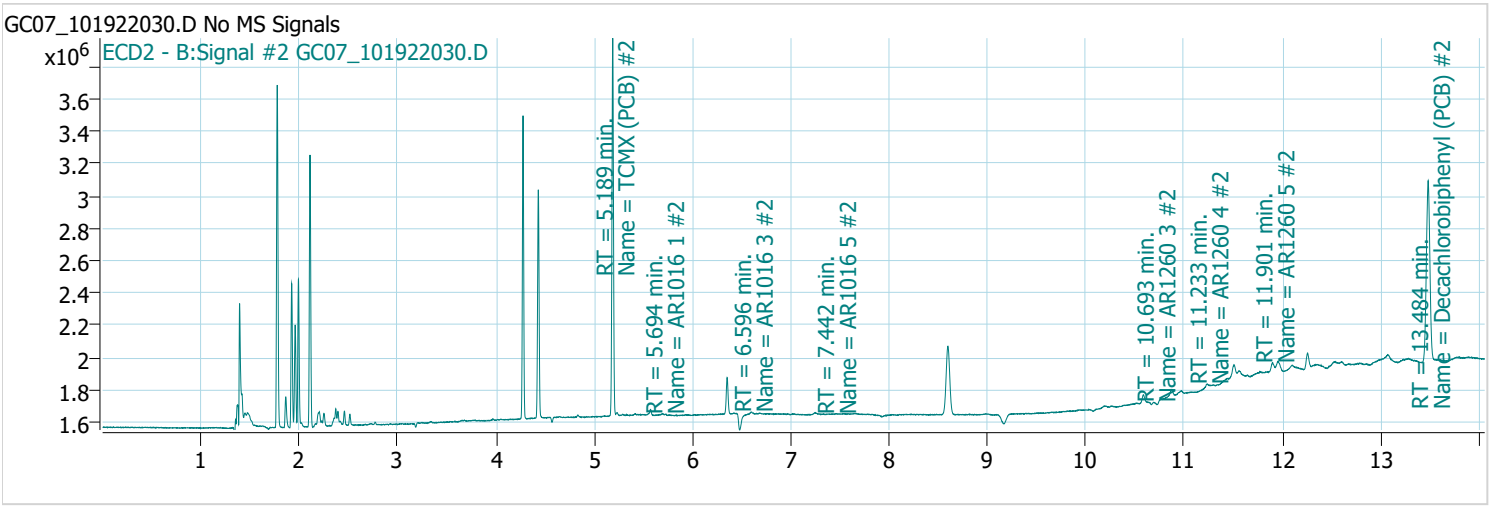
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	3.7592	13.07	-0.01	143601				



Quantitation Results Report (Not Reviewed)

Data File	GC07_101922030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	10/19/2022 5:54:45 PM
Sample Name	470460-012, 298736, 1	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_101722_GC07_3.m	Comment	wipe/1s-20ml//rr
Tune File	ATUNE.U	Tune Date	
Batch Name	101922_PCB.batch.bin	Last Calib Update	10/18/2022 7:34:38 AM
Ref Library			



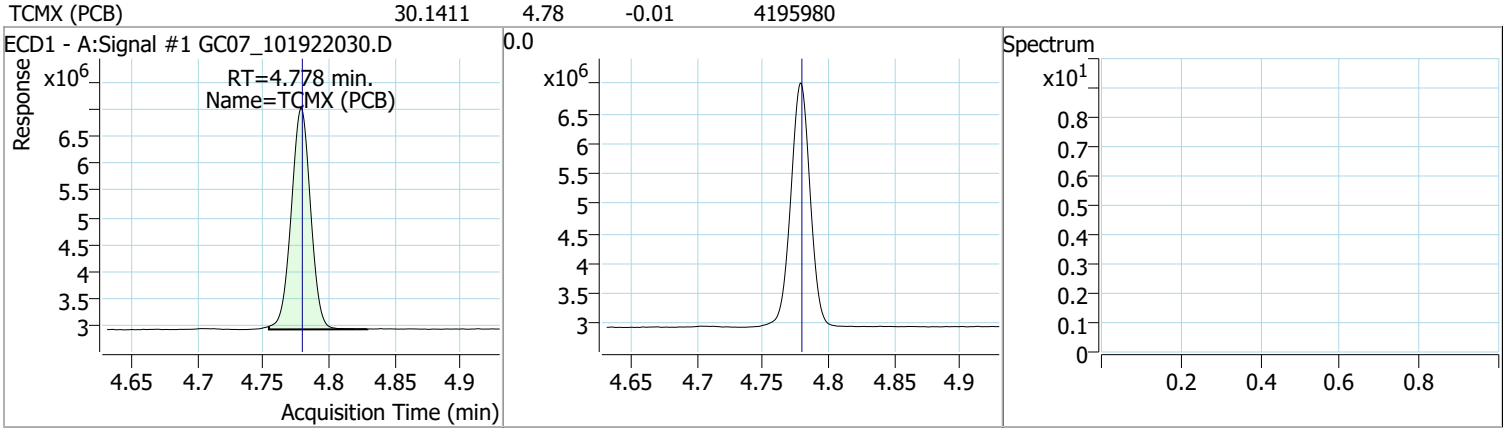


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.017	0.0	2898668.076	20.0000	ng/ml		-0.008
M 1-bromo-2-nitrobenzene (PCB) #2	4.277	0.0	1715167.240	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	4.778	0.0	4195979.947	30.1411	ng/ml		-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 150.71%		*	
S TCMX (PCB) #2	5.189	0.0	2588477.393	30.9411	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.71%		*	
S Decachlorobiphenyl (PCB)	12.066	0.0	4083470.573	19.5512	ng/ml		-0.016
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.76%			
S Decachlorobiphenyl (PCB) #2	13.484	0.0	2849309.953	22.0804	ng/ml		-0.011
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 110.40%			
Target Compounds							QValue

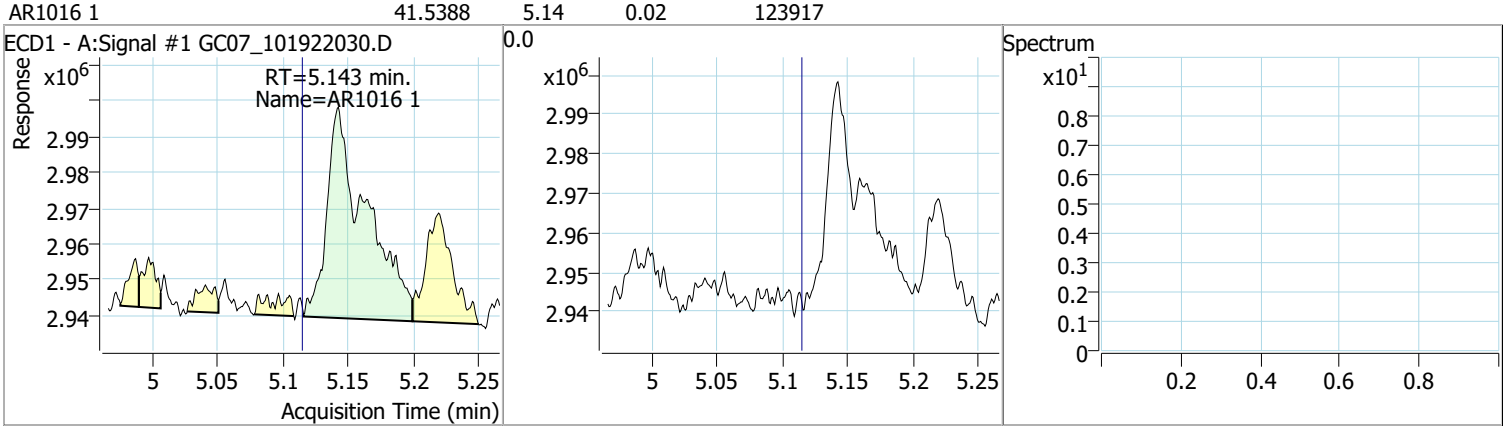
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.143	0.0	123916.941	41.5388	ng/ml	100
T AR1016 2	5.432	0.0	22916.802	3.5879	ng/ml	100
T AR1016 1 #2	5.694	0.0	25203.666	12.9529	ng/ml	100
T AR1016 3	5.859	0.0	433956.971	54.5100	ng/ml	100
T AR1016 4	5.996	0.0	10066.433	1.7575	ng/ml	100
T AR1016 2 #2	6.087	0.0	6103.779	1.4961	ng/ml	100
T AR1016 5	0.000		0	N.D.		
T AR1016 3 #2	6.596	0.0	697595.221	137.2013	ng/ml	100
T AR1016 4 #2	6.783	0.0	925.225	0.2511	ng/ml	100
T AR1016 5 #2	7.442	0.0	786.236	0.2617	ng/ml	100
T AR1260 1	8.123	0.0	735389.701	75.7847	ng/ml	100
T AR1260 2	8.694	0.0	27326.221	1.8574	ng/ml	100
T AR1260 3	9.307	0.0	70865.417	4.5396	ng/ml	100
T AR1260 1 #2	10.032	0.0	102248.082	0.0000	ng/ml	100
T AR1260 4	9.986	0.0	427888.077	48.6001	ng/ml	100
T AR1260 2 #2	10.266	0.0	19540.130	0.0000	ng/ml	100
T AR1260 3 #2	10.693	0.0	24066.426	2.6714	ng/ml	100
T AR1260 5	10.874	0.0	100658.946	0.0000	ng/ml	100
T AR1260 4 #2	11.233	0.0	69060.059	0.0000	ng/ml	100
T AR1260 5 #2	11.901	0.0	126935.364	13.8310	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

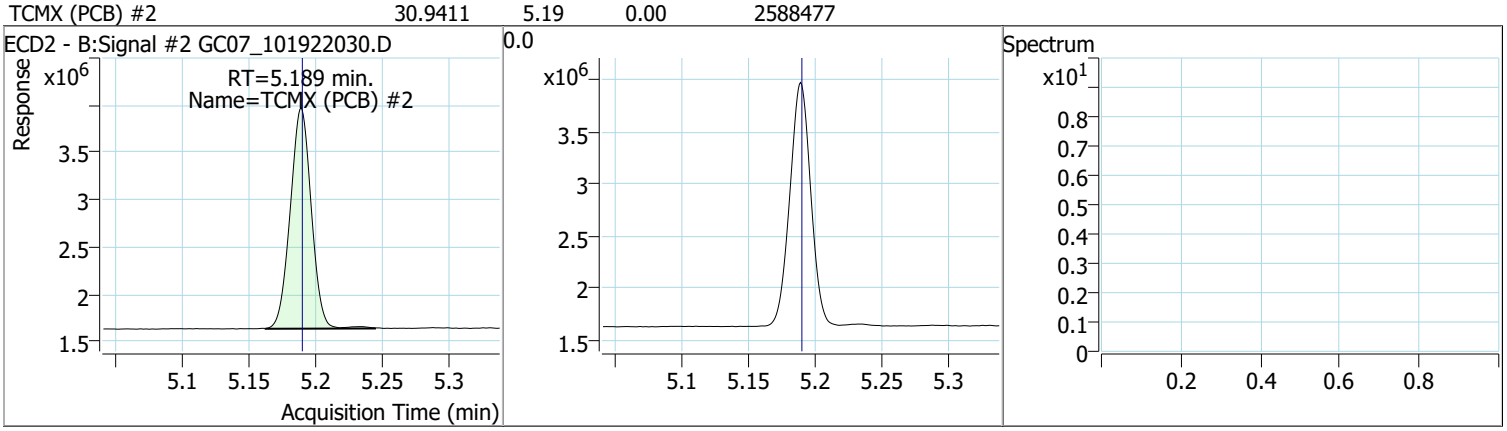
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.1411	4.78	-0.01	4195980				



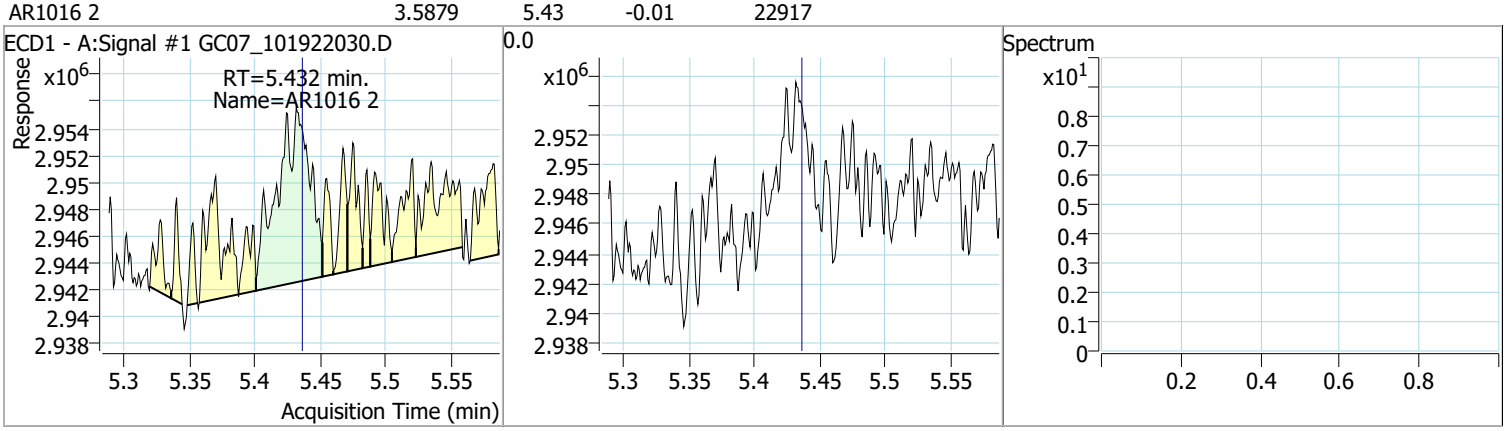
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	41.5388	5.14	0.02	123917				



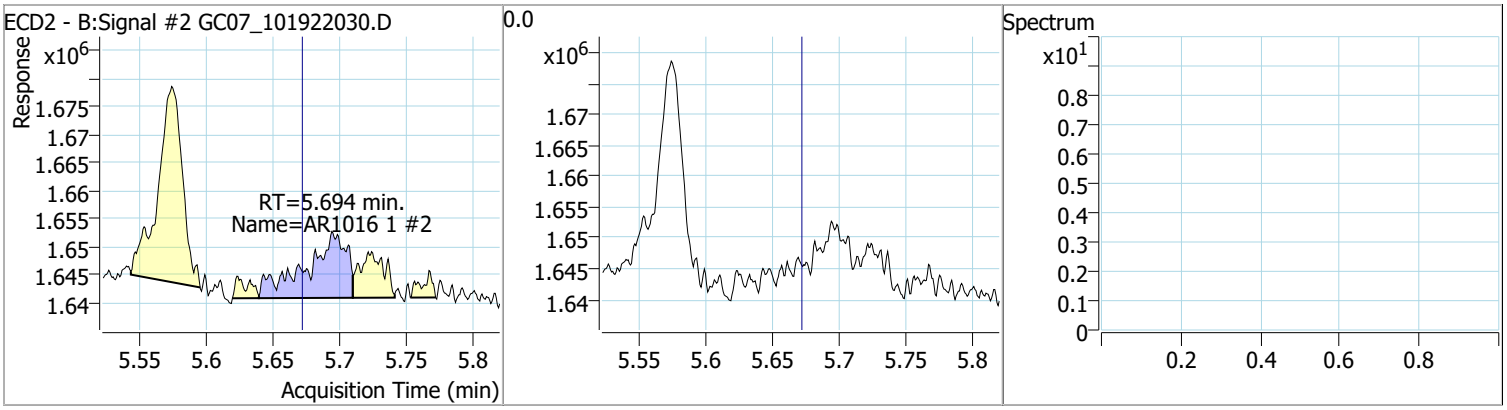
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.9411	5.19	0.00	2588477				



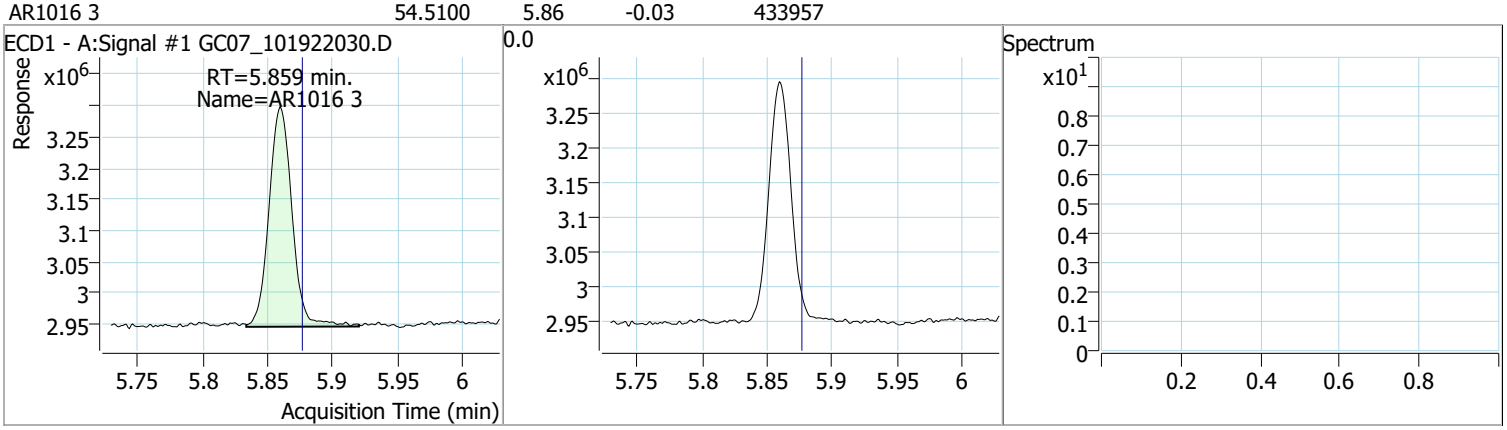
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	3.5879	5.43	-0.01	22917				



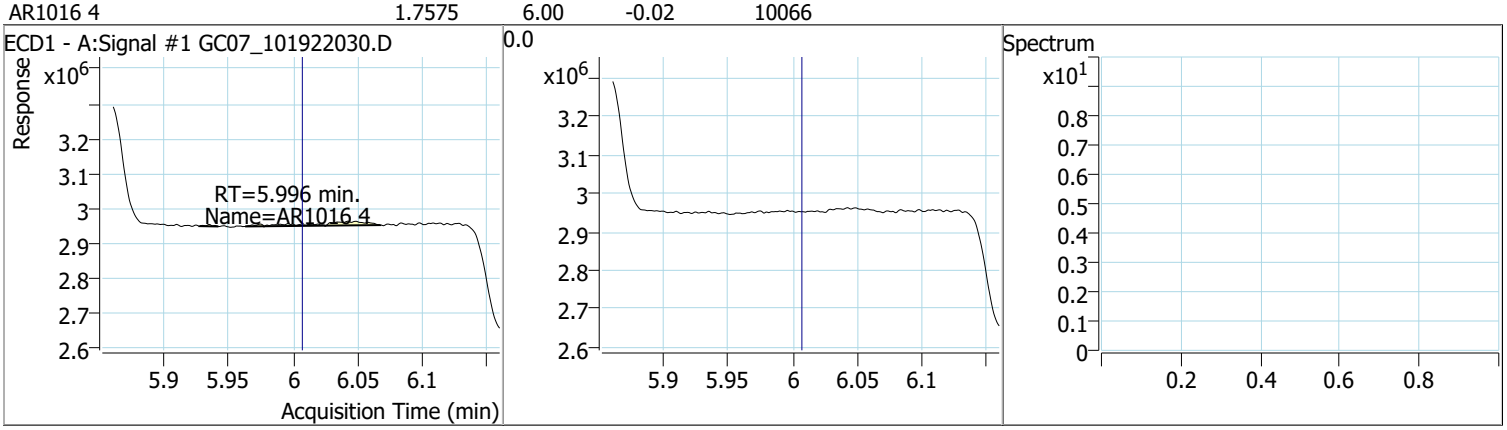
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	12.9529	5.69	0.02	25204				



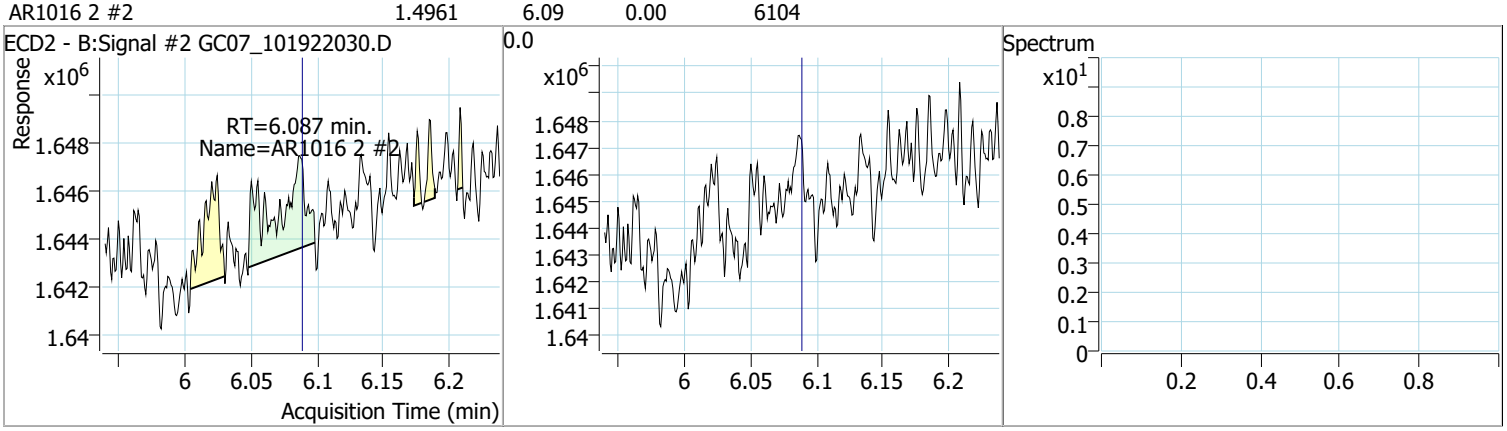
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	54.5100	5.86	-0.03	433957				



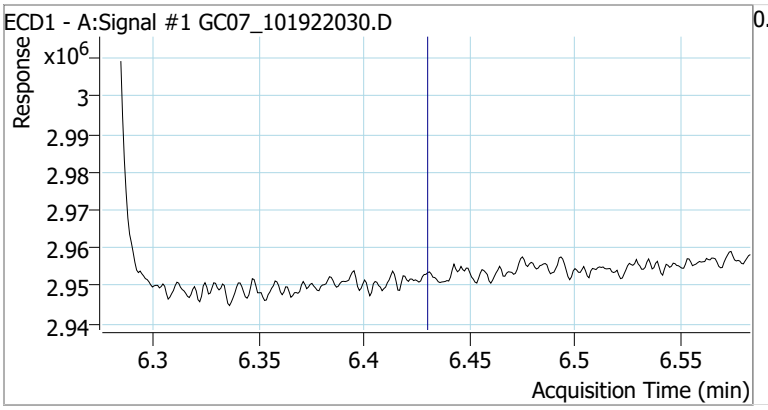
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.7575	6.00	-0.02	10066				

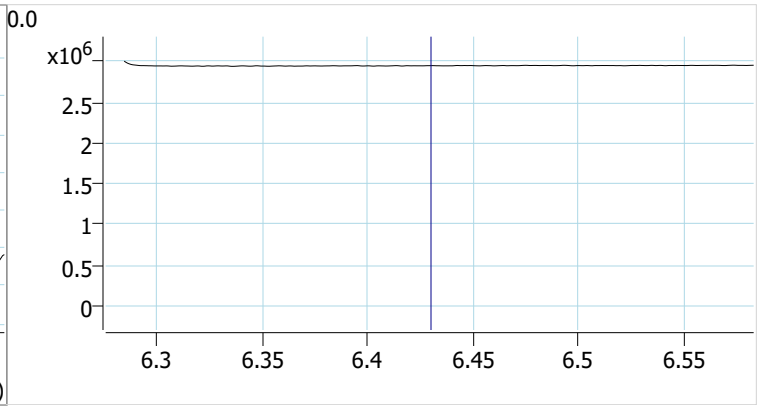


Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1.4961	6.09	0.00	6104				

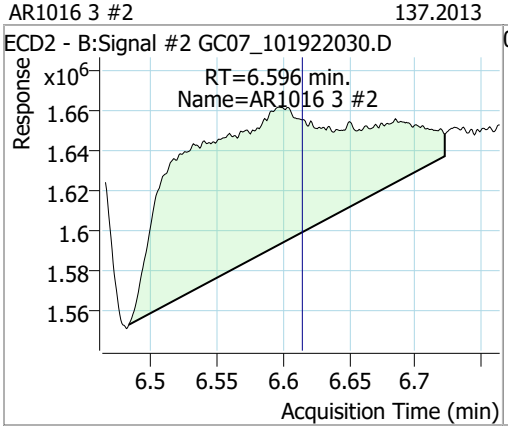


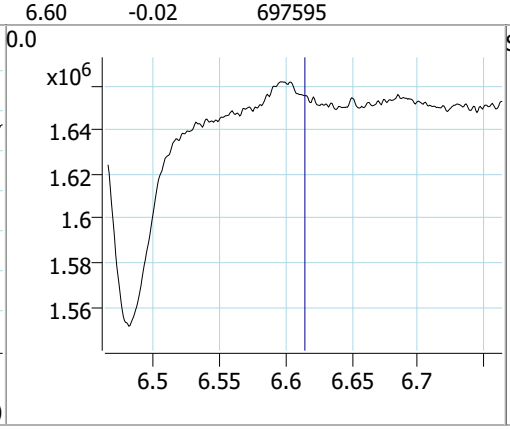
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 5	N.D.	6.44		

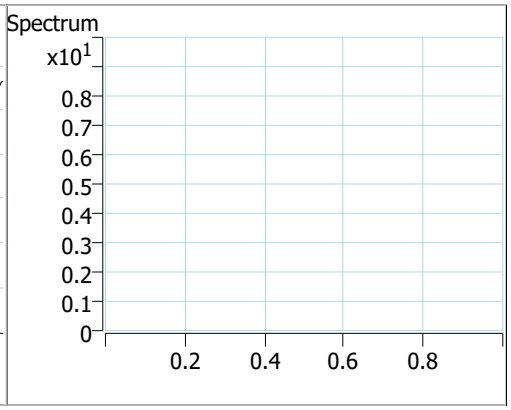




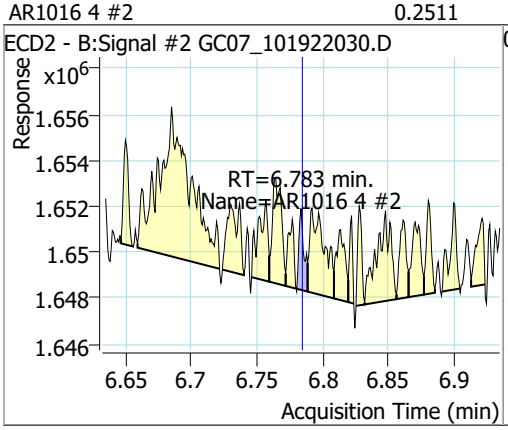
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	137.2013	6.60	-0.02	697595				

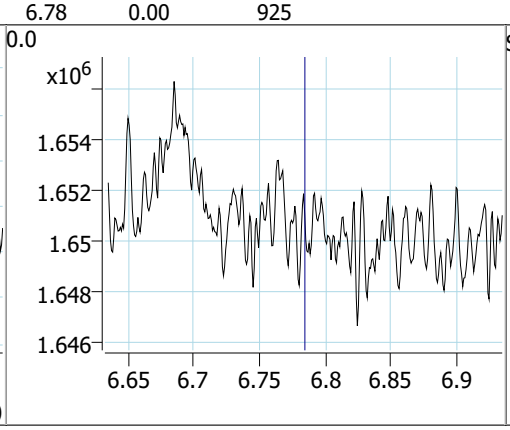


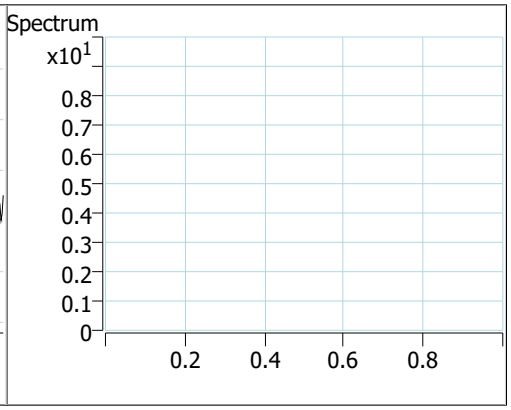




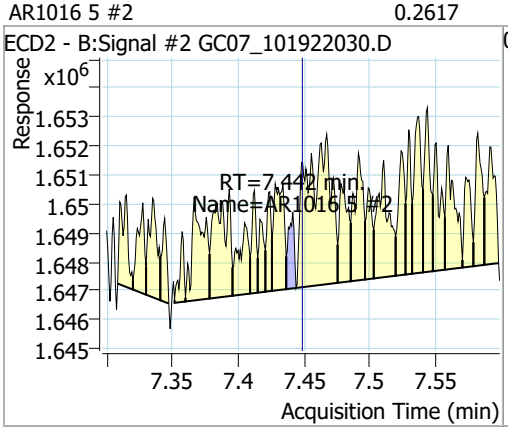
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.2511	6.78	0.00	925				

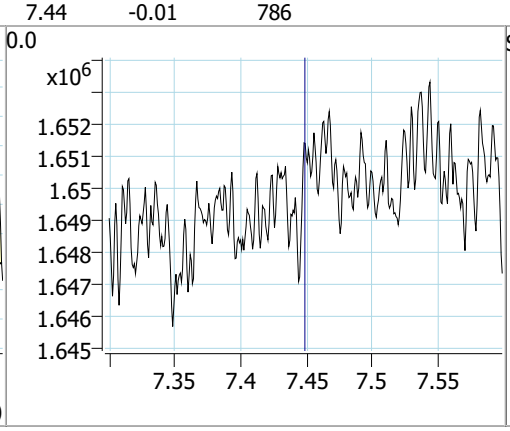


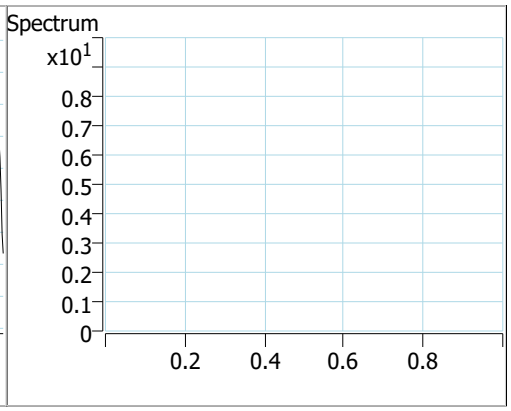




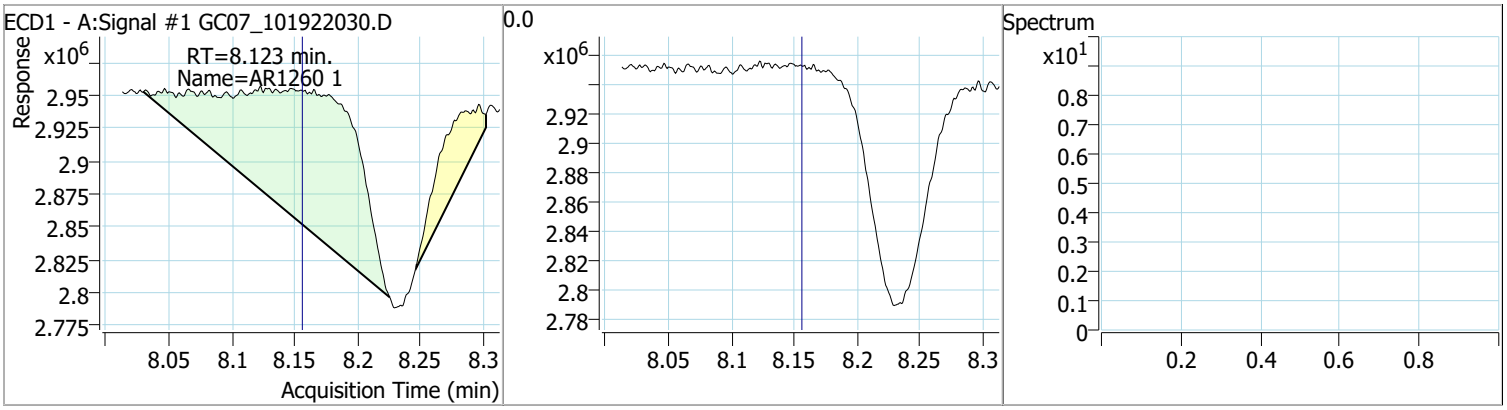
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.2617	7.44	-0.01	786				



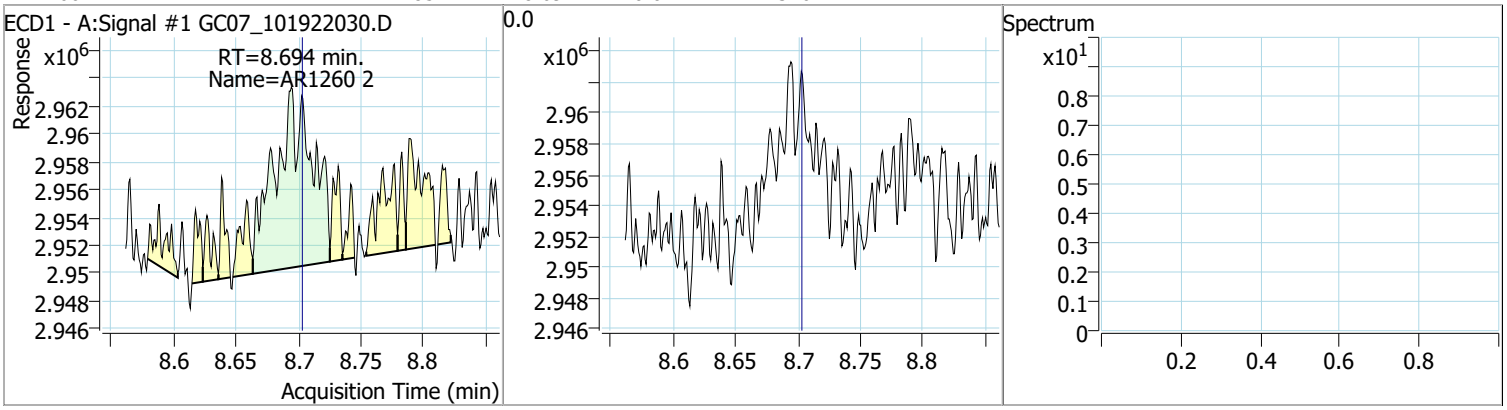




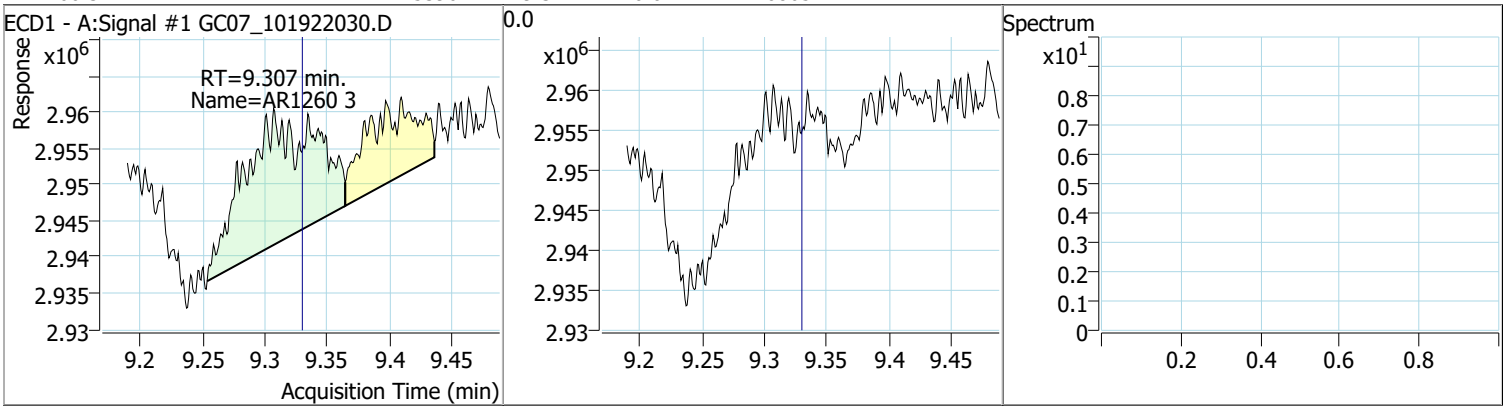
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	75.7847	8.12	-0.05	735390				



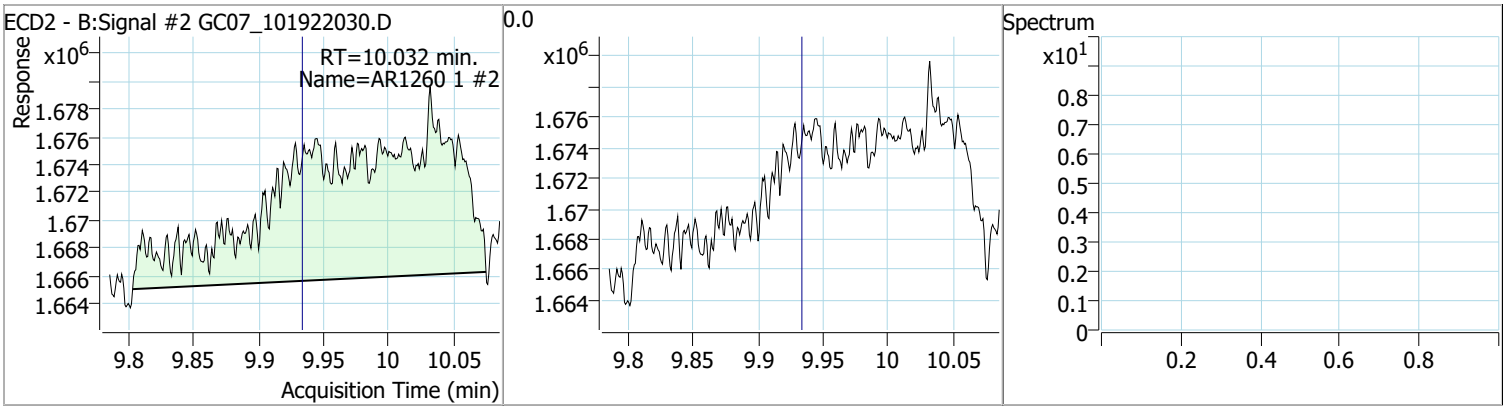
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.8574	8.69	-0.02	27326				



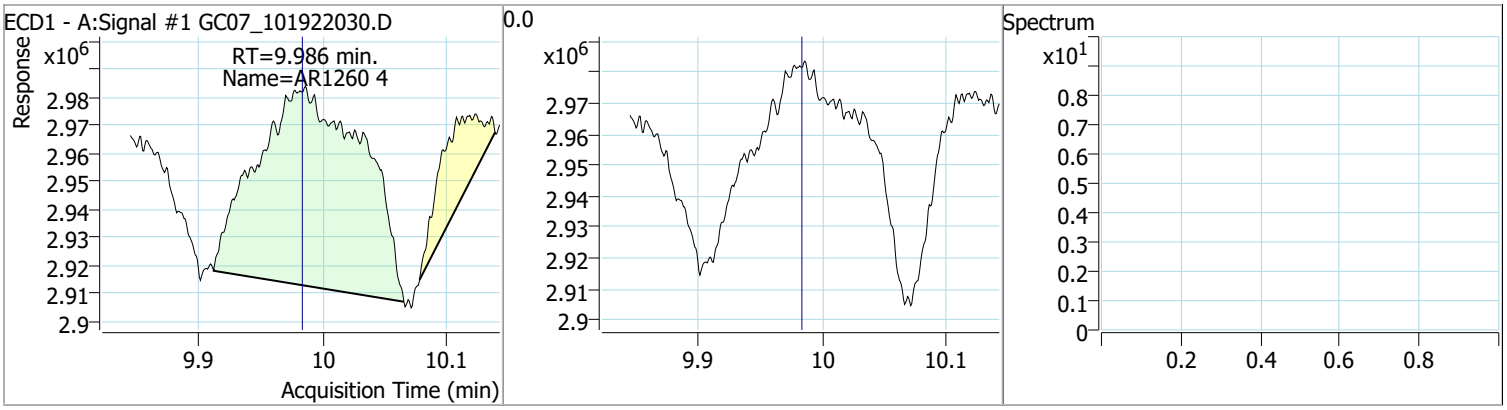
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.5396	9.31	-0.04	70865				



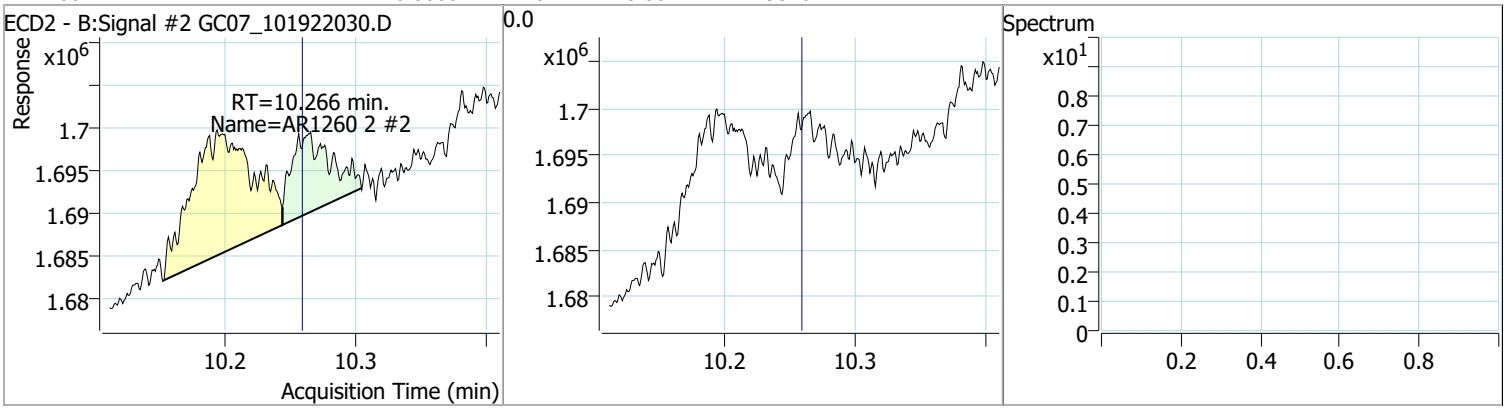
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.0000	10.03	0.09	102248				



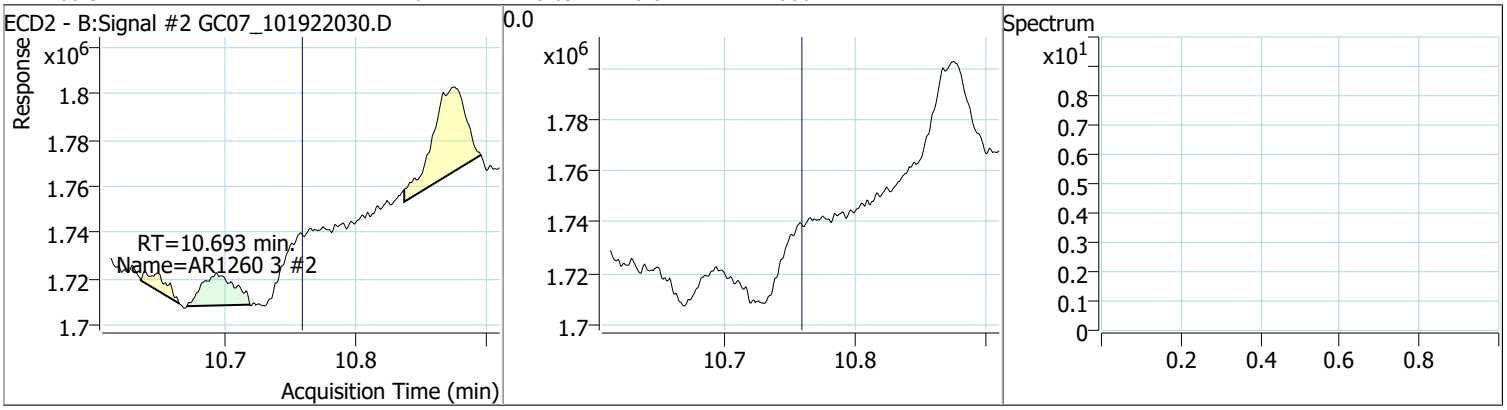
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	48.6001	9.99	-0.02	427888				



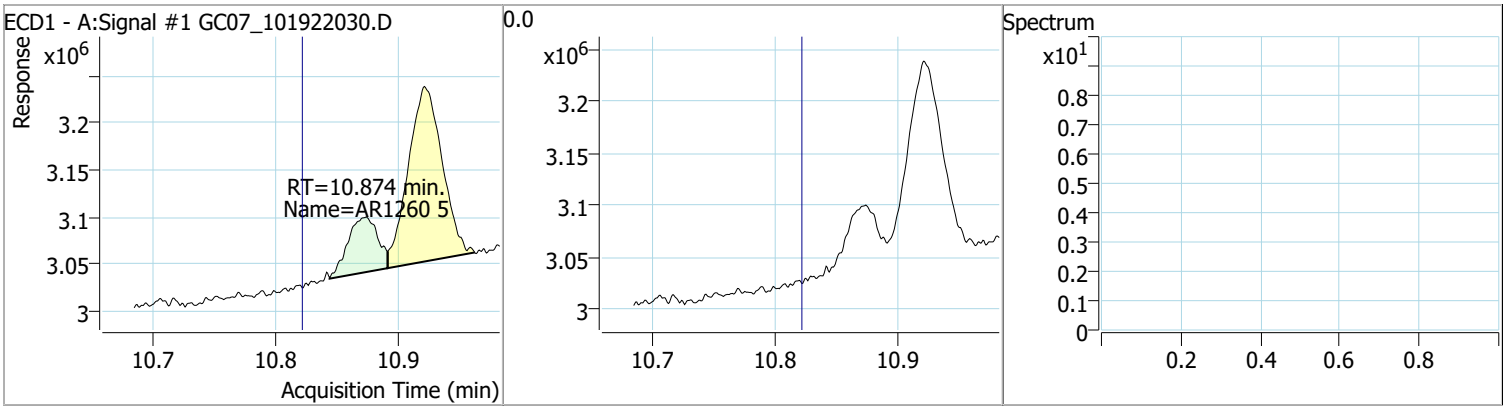
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0000	10.27	0.00	19540				



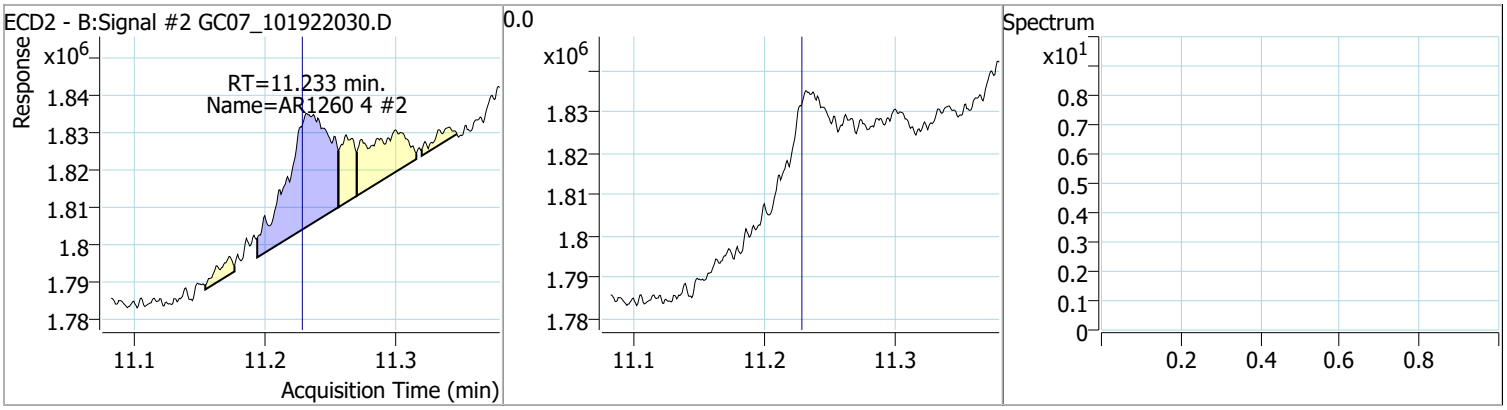
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	2.6714	10.69	-0.07	24066				



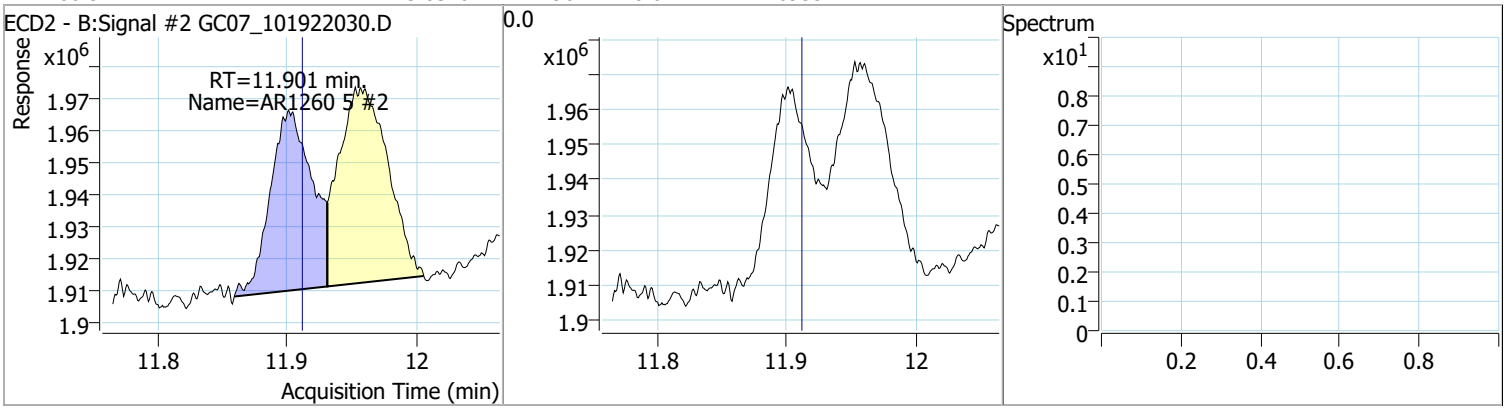
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.87	0.03	100659				



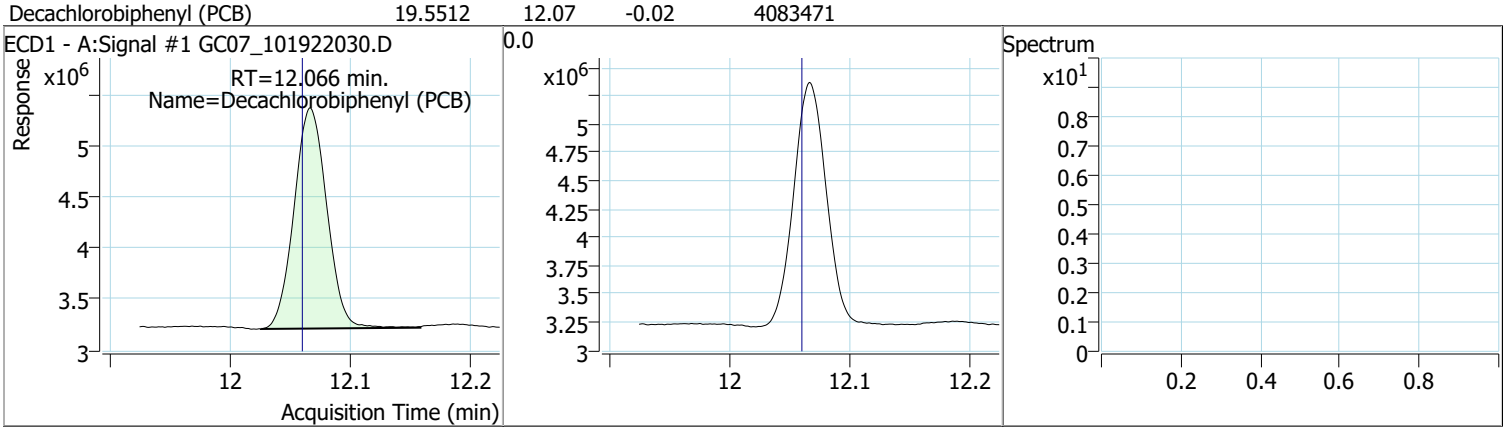
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.23	0.00	69060				



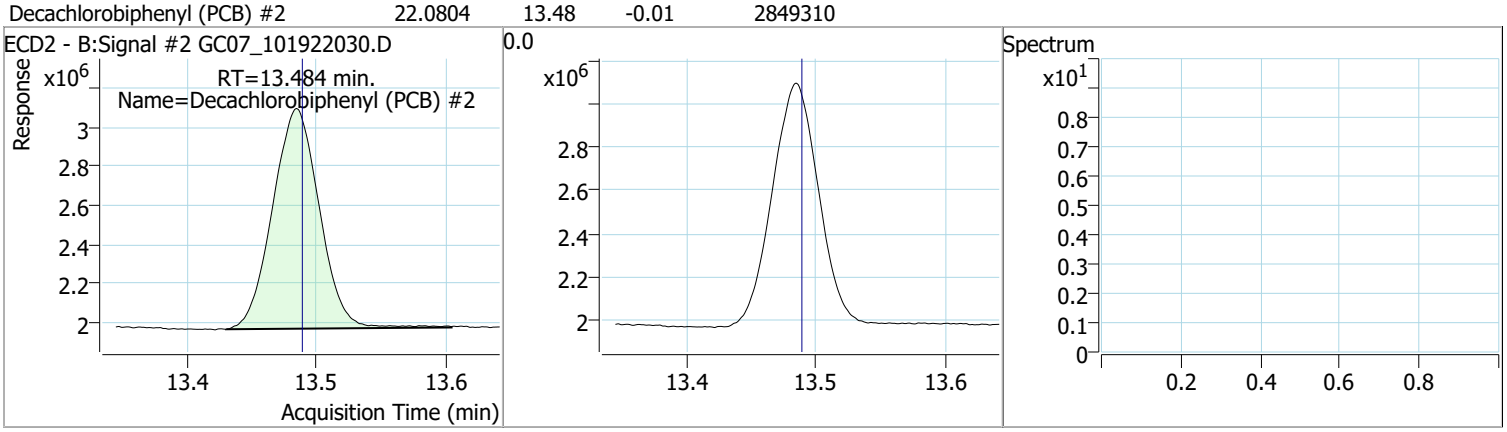
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	13.8310	11.90	-0.02	126935				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.5512	12.07	-0.02	4083471				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	22.0804	13.48	-0.01	2849310				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 470460 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1018344		
Seqnum:	452410975036.2	Matrix:	Wipe		
File:	gc06_101222036	Batch:	298736	Time:	12-OCT-2022 19:13
Cal:	452369928002	Caldate:	14-SEP-2022		
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Result	Conf	RPD	RL	Flags
Aroclor-1016	A	8.339	ND	0.061	30%	0.50	u
Aroclor-1016 Peak # 1	A	30.44	0.30	0.09	111%		
Aroclor-1016 Peak # 2	A	4.872	0.05	0.16	107%		
Aroclor-1016 Peak # 3	A	0.3833	0.00	0.02	125%		
Aroclor-1016 Peak # 4	A	0.3896	0.00	0.03	158%		
Aroclor-1016 Peak # 5	A	5.615	0.06	0.01	140%		
Aroclor-1221	A		ND			0.50	u
Aroclor-1232	A		ND			0.50	u
Aroclor-1242	A		ND			0.50	u
Aroclor-1248	A		ND			0.50	u
Aroclor-1254	A		ND			0.50	u
Aroclor-1260	A	1.463	ND	0.0035	123%	0.50	u
Aroclor-1260 Peak # 1	A	0.7978	0.01	0.00	167%		
Aroclor-1260 Peak # 2	A	0.3394	0.00	0.00	108%		
Aroclor-1260 Peak # 3	A	0.1432	0.00	0.01	150%		
Aroclor-1260 Peak # 4	A	0.2907	0.00	0.00	7%		
Aroclor-1260 Peak # 5	A	5.746	0.06	0.00	181%		
Aroclor-1262	A		ND			0.50	u
Aroclor-1268	A		ND			0.50	u

Surrogate	Ch	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	46.97	1.000	0.4697	**47***	52-186	u
Decachlorobiphenyl (PCB)	A	47.66	1.000	0.4766	**48***	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9052455	9495582	4.90
1-bromo-2-nitrobenzene (PCB)	A	1846693	2010776	8.89

ISTD (ICAL gc06_101222005)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	11871428	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	2416508	**???**	**-100.00 ***

ISTD (ICAL gc06_101222007)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	7925274	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1268)	A	1655647	**???**	**-100.00 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221)

ISTD (CCV gc06_101222003)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (ICAL gc06_101222005)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1254)	B	3.92	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.11	**???**	

ISTD (ICAL gc06_101222007)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1268)	B	3.92	**???**	
1-bromo-2-nitrobenzene (1268)	A	4.11	**???**	

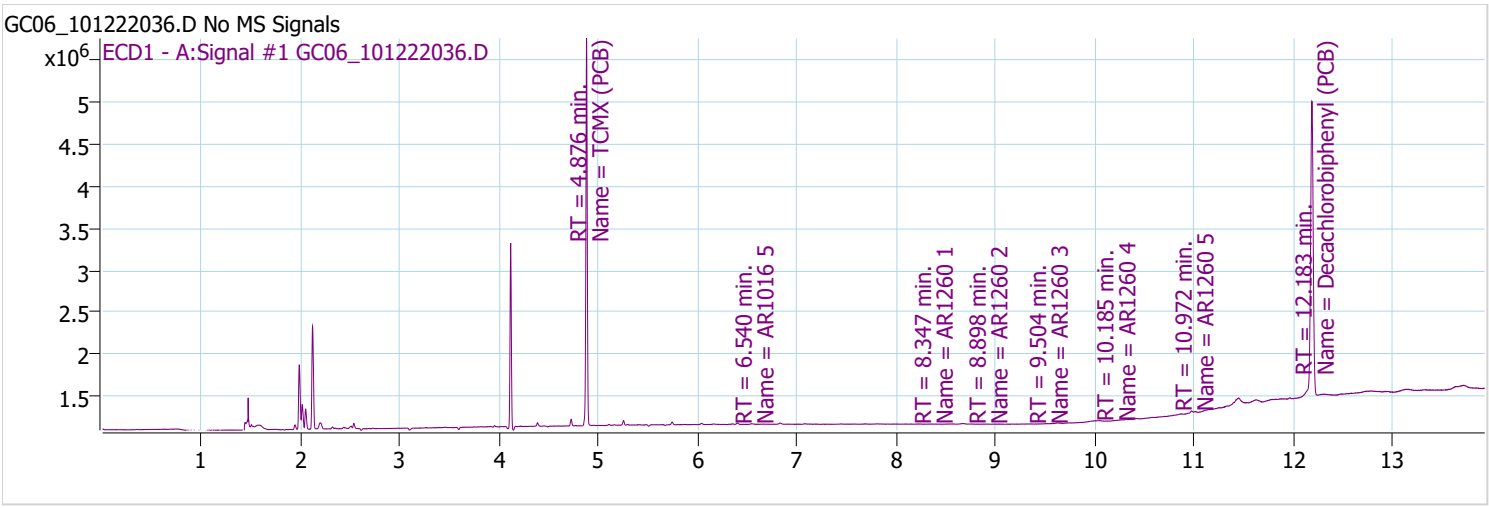
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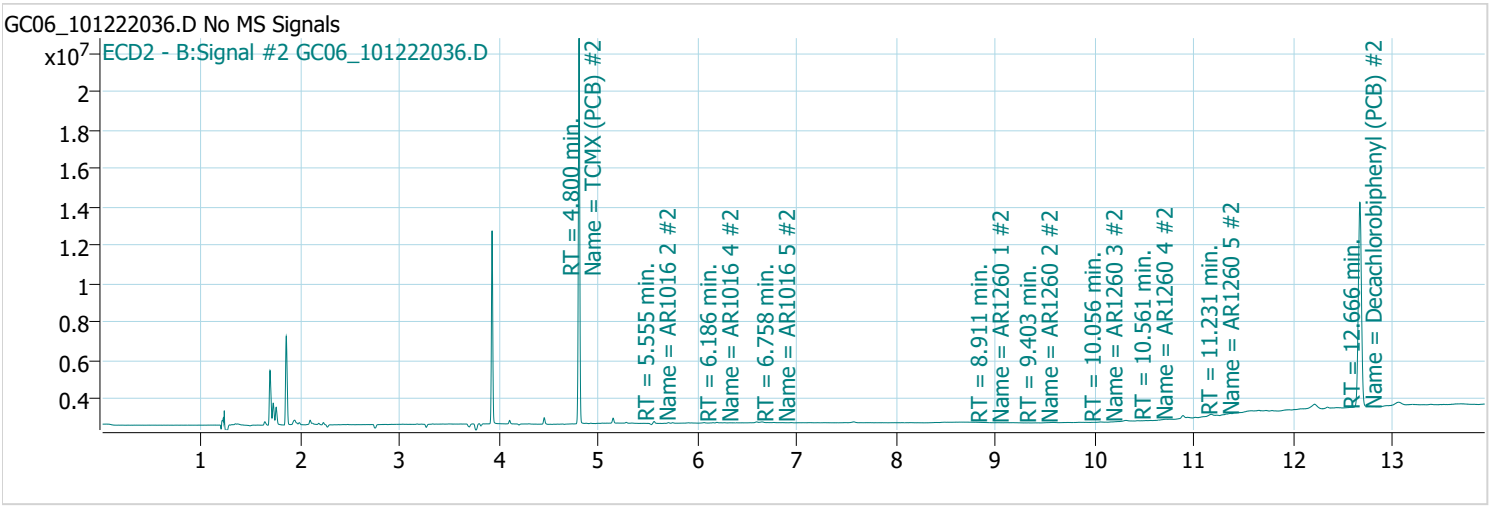
Analyst: TRN 10/14/22 *

Reviewer: LW 10/20/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_101222036.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 7:13:18 PM
Sample Name	QC1018344, 298736, 1	Instrument	SVOA-GC06
Vial	25	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222_pcb.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



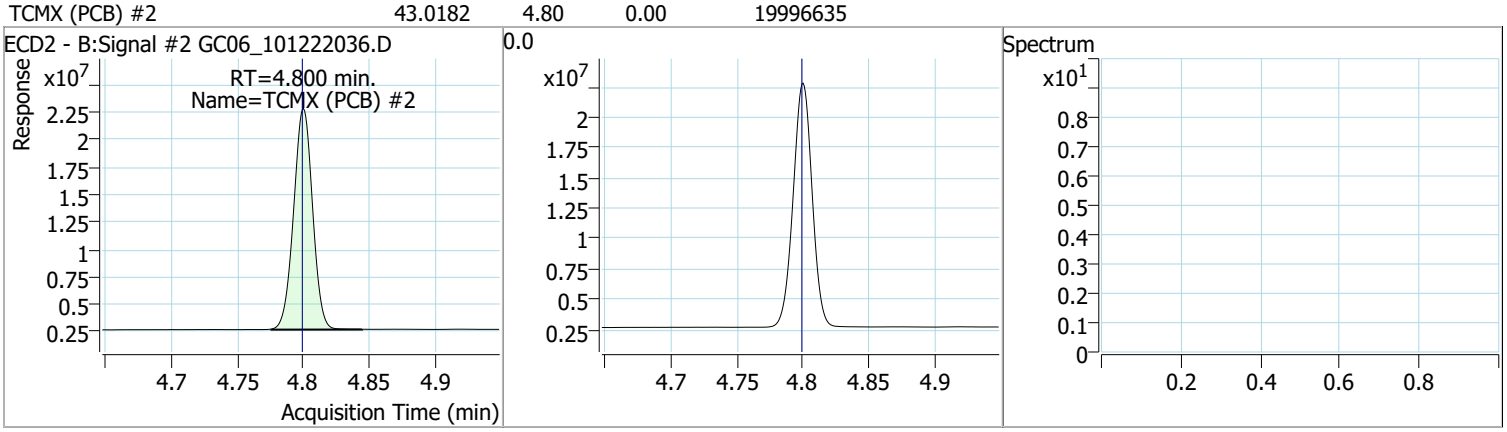


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.923	0.0	9495582.176	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.111	0.0	2010775.785	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.800	0.0	19996634.777	43.0182	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 215.09%		*	
S TCMX (PCB)	4.876	0.0	4498435.446	46.9672	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 234.84%		*	
S Decachlorobiphenyl (PCB)	12.183	0.0	6428153.947	47.6650	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 238.32%		*	
S Decachlorobiphenyl (PCB) #2	12.666	0.0	23629452.960	37.5145	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.57%		*	
Target Compounds							QValue

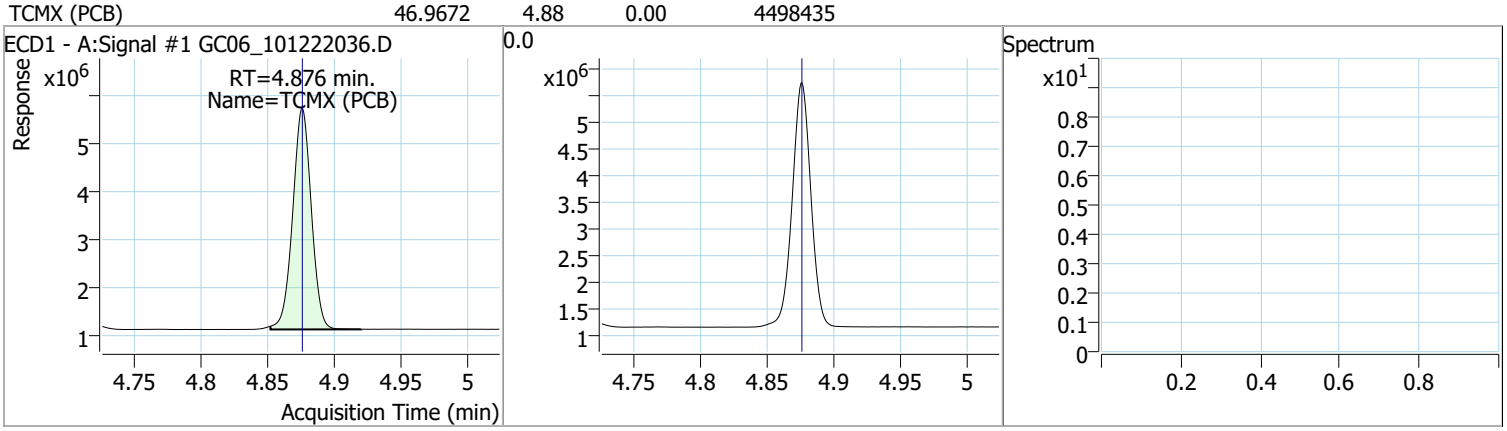
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.248	0.0	59995.278	30.4363	ng/ml	100
T AR1016 1 #2	5.277	0.0	82638.579	8.6577	ng/ml	100
T AR1016 2	5.474	0.0	20528.434	4.8723	ng/ml	100
T AR1016 2 #2	5.555	0.0	321127.306	16.1309	ng/ml	100
T AR1016 3	6.004	0.0	1903.909	0.3833	ng/ml	100
T AR1016 3 #2	6.059	0.0	42883.677	1.6557	ng/ml	100
T AR1016 4	6.131	0.0	1456.593	0.3896	ng/ml	100
T AR1016 4 #2	6.186	0.0	56445.676	3.2983	ng/ml	100
T AR1016 5	6.540	0.0	16787.778	5.6154	ng/ml	100
T AR1016 5 #2	6.758	0.0	14314.100	0.9906	ng/ml	100
T AR1260 1	8.347	0.0	4719.309	0.7978	ng/ml	100
T AR1260 2	8.898	0.0	3167.788	0.3394	ng/ml	100
T AR1260 1 #2	8.911	0.0	2396.642	0.0729	ng/ml	100
T AR1260 2 #2	9.403	0.0	3748.905	0.1015	ng/ml	100
T AR1260 3	9.504	0.0	1399.823	0.1432	ng/ml	100
T AR1260 3 #2	10.056	0.0	47617.817	1.0024	ng/ml	100
T AR1260 4	10.185	0.0	1602.687	0.2907	ng/ml	100
T AR1260 4 #2	10.561	0.0	8507.427	0.2706	ng/ml	100
T AR1260 5	10.972	0.0	39221.015	5.7462	ng/ml	100
T AR1260 5 #2	11.231	0.0	13494.958	0.2877	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

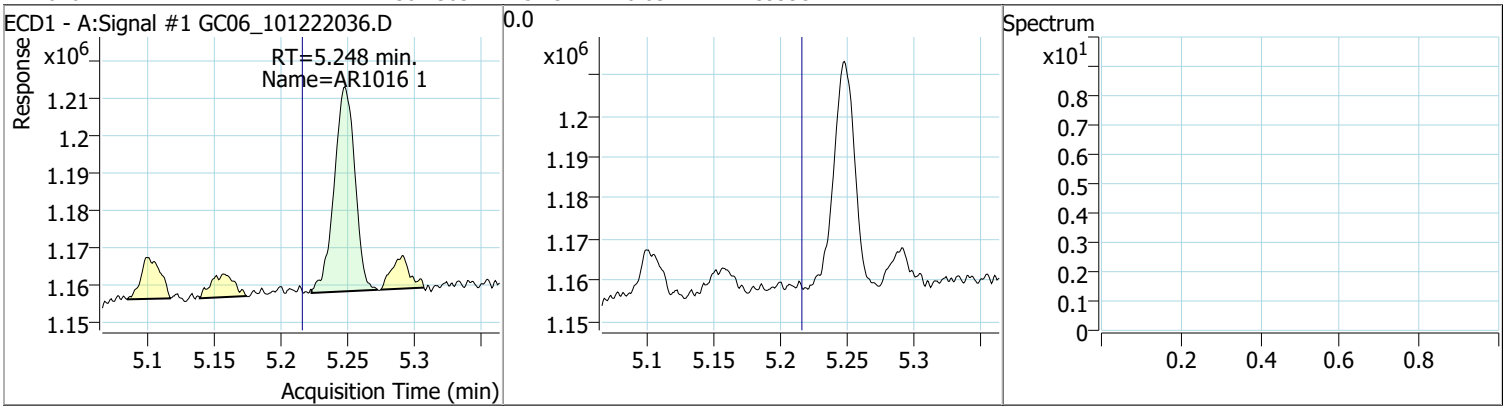
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.0182	4.80	0.00	19996635				



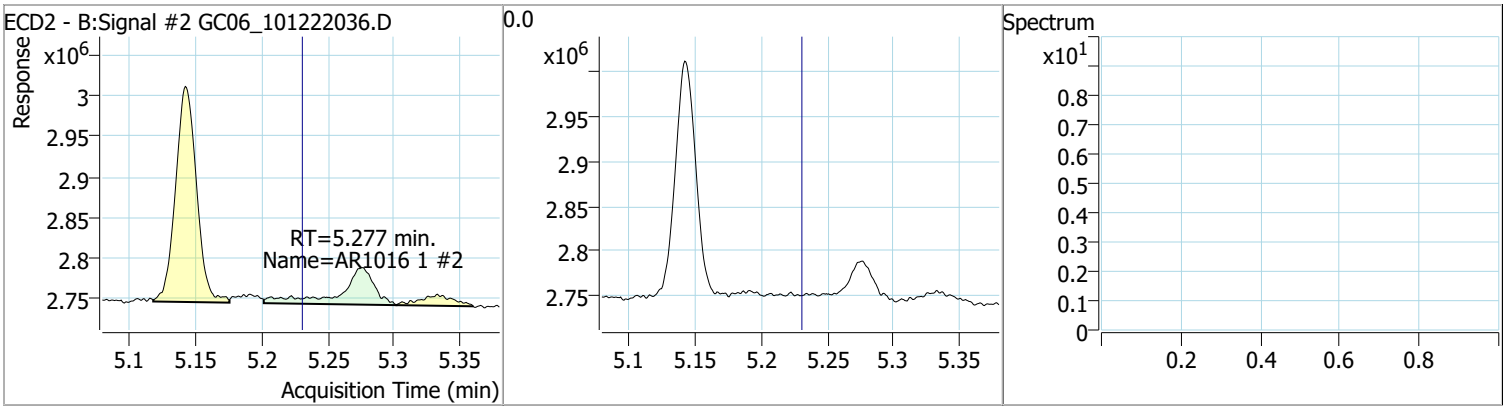
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.9672	4.88	0.00	4498435				



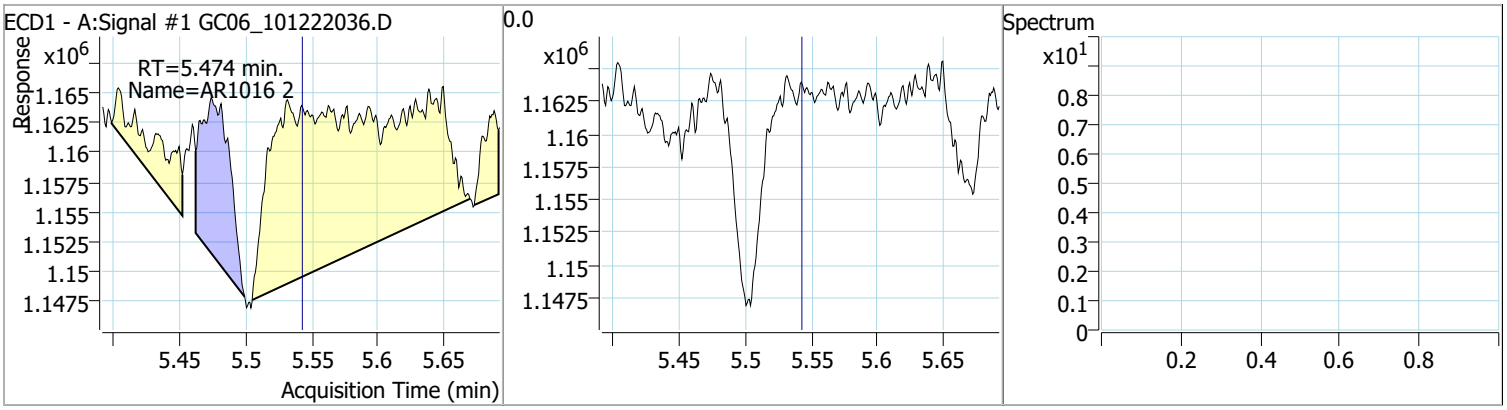
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	30.4363	5.25	0.03	59995				



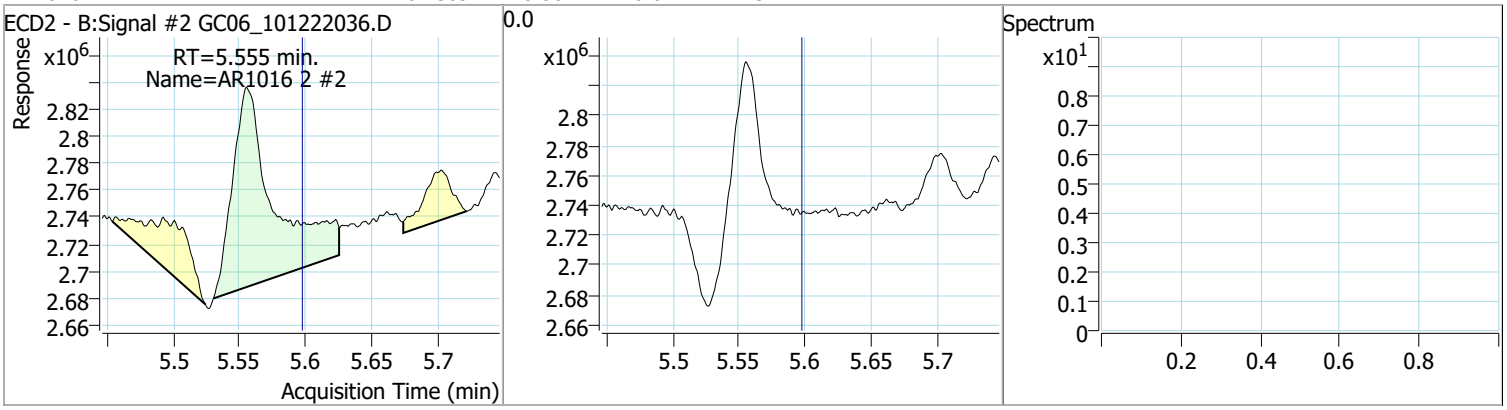
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	8.6577	5.28	0.05	82639				



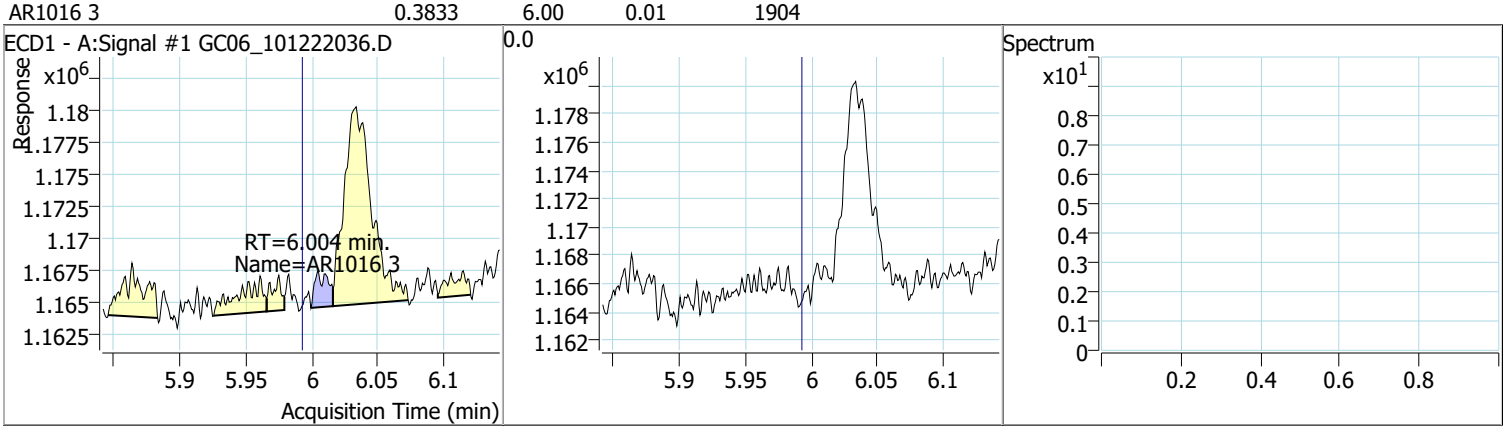
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	4.8723	5.47	-0.07	20528				



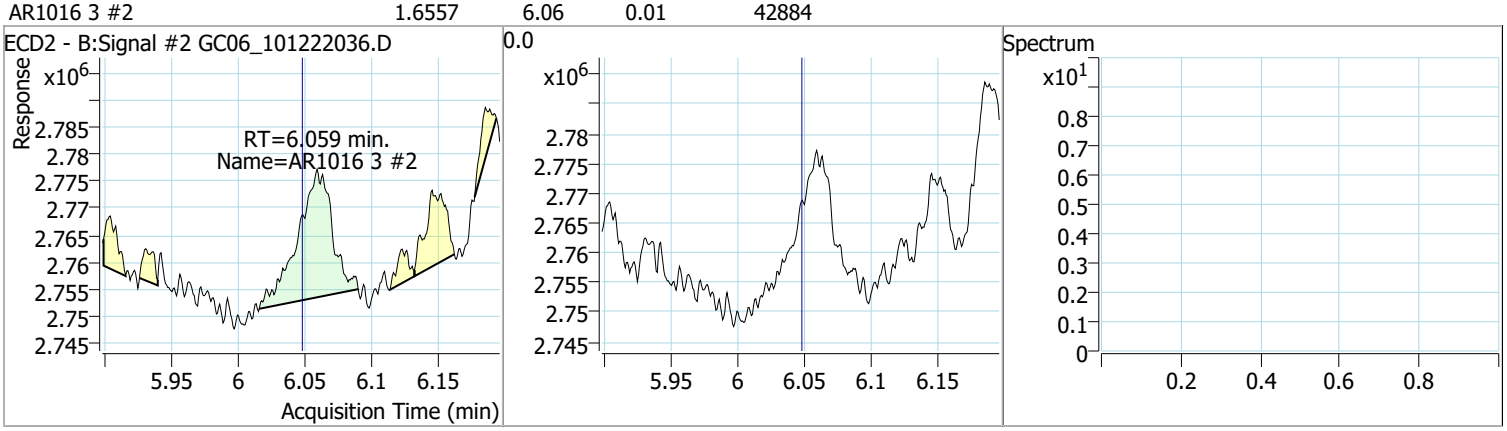
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	16.1309	5.56	-0.04	321127				



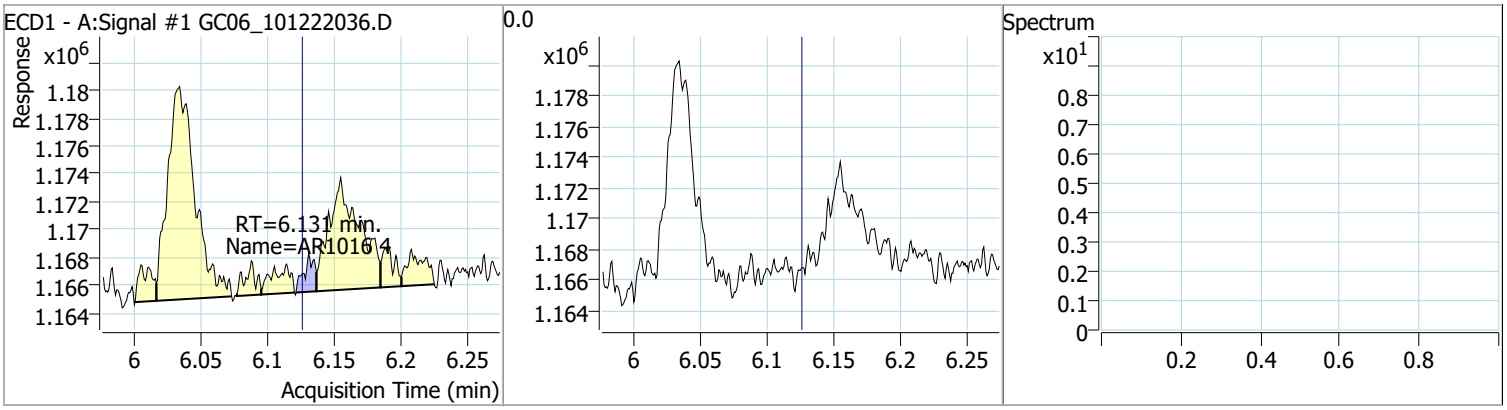
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.3833	6.00	0.01	1904				



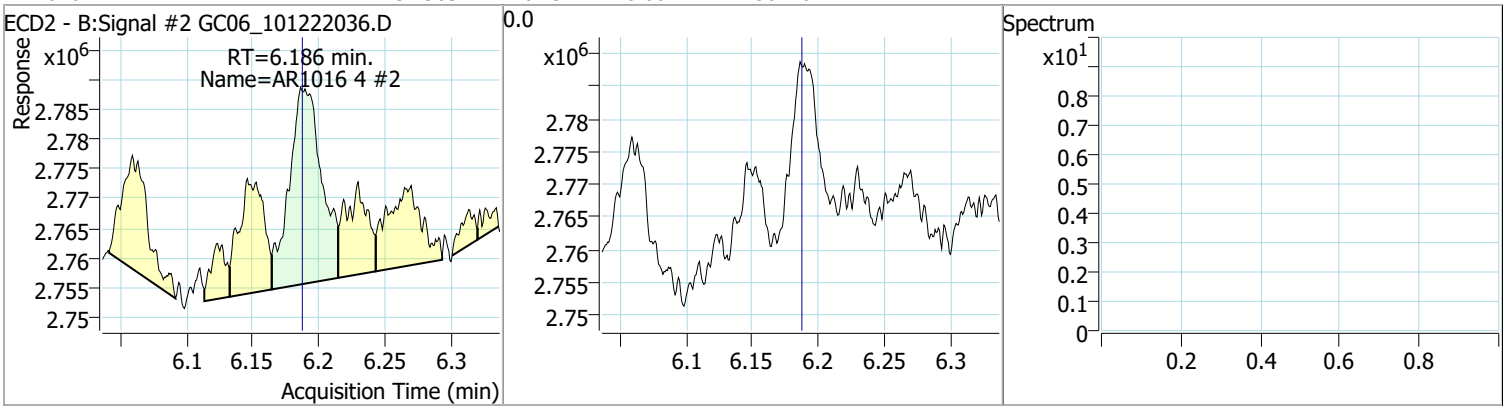
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1.6557	6.06	0.01	42884				



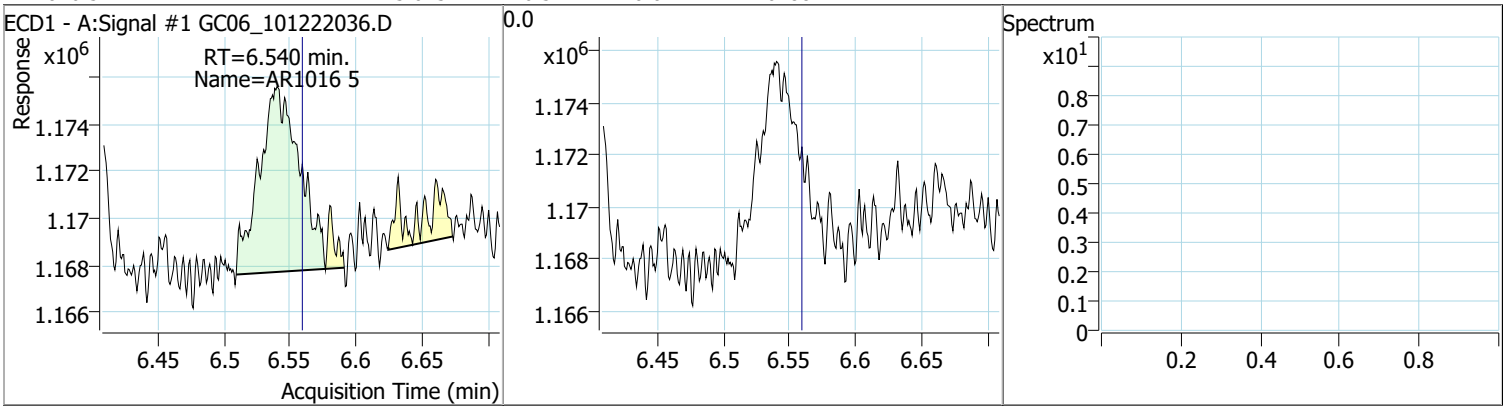
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.3896	6.13	0.00	1457				



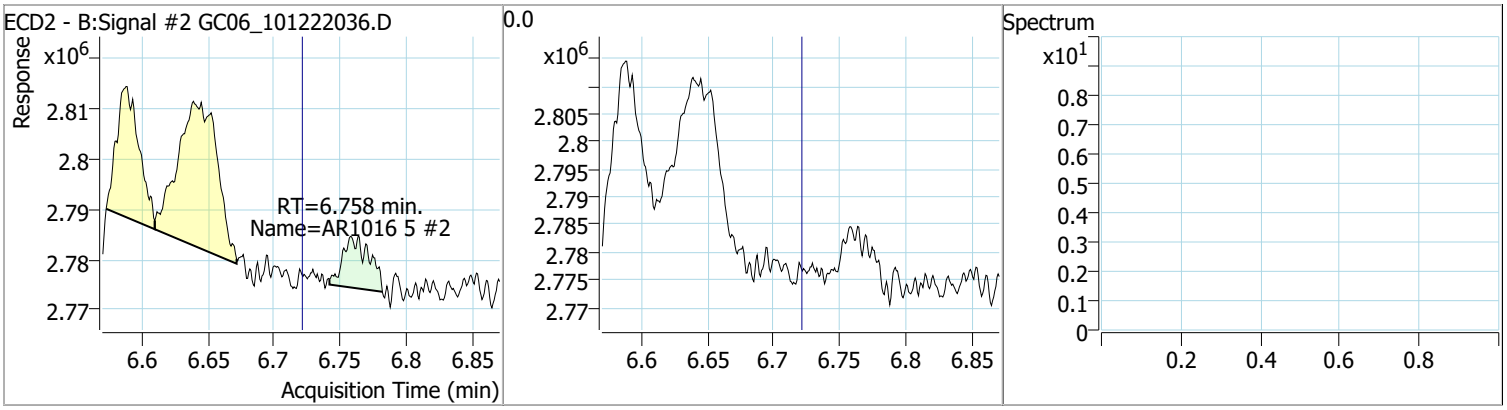
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.2983	6.19	0.00	56446				



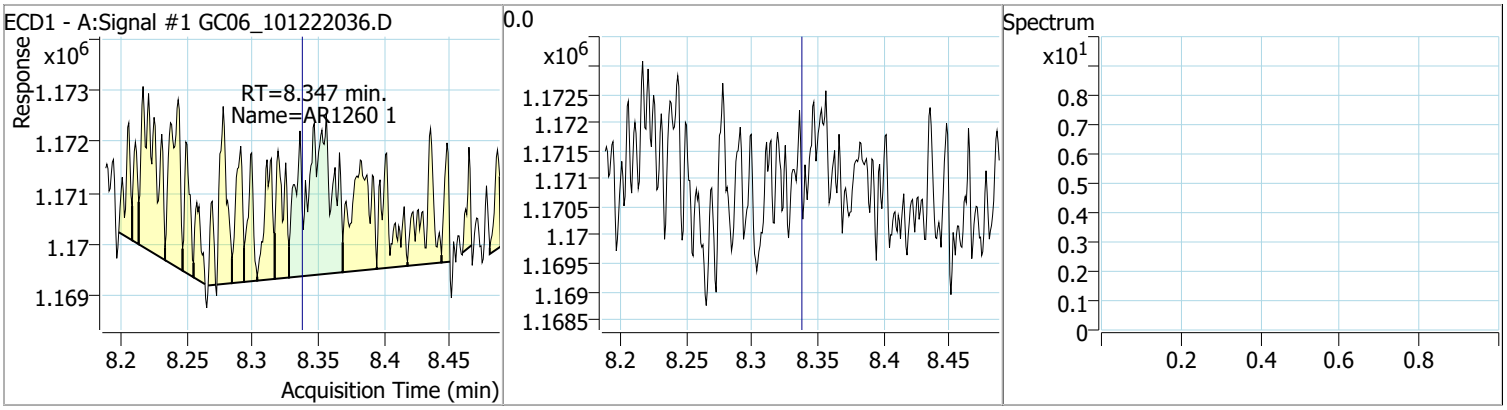
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	5.6154	6.54	-0.02	16788				



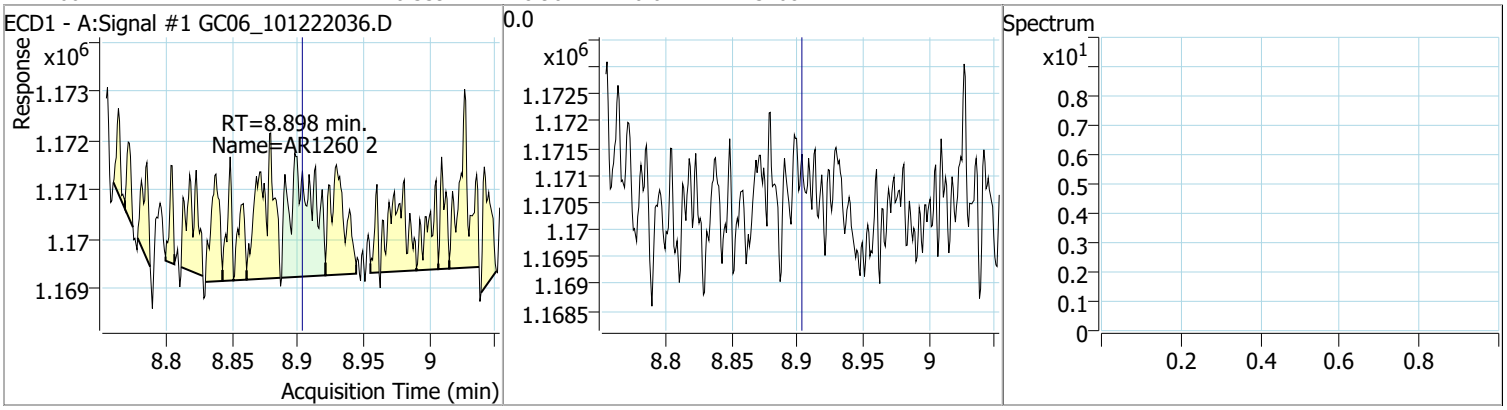
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.9906	6.76	0.04	14314				



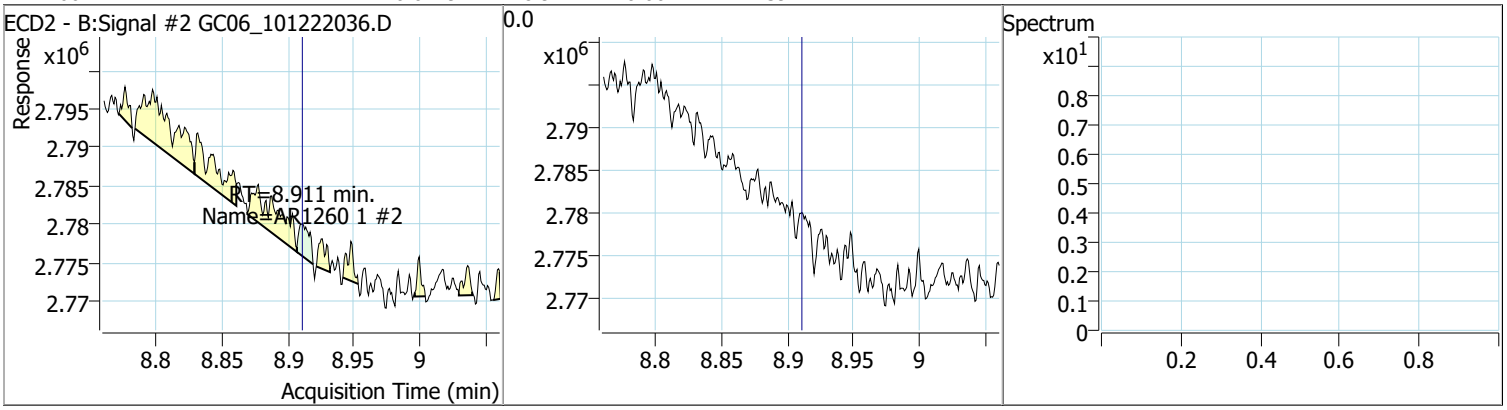
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.7978	8.35	0.01	4719				



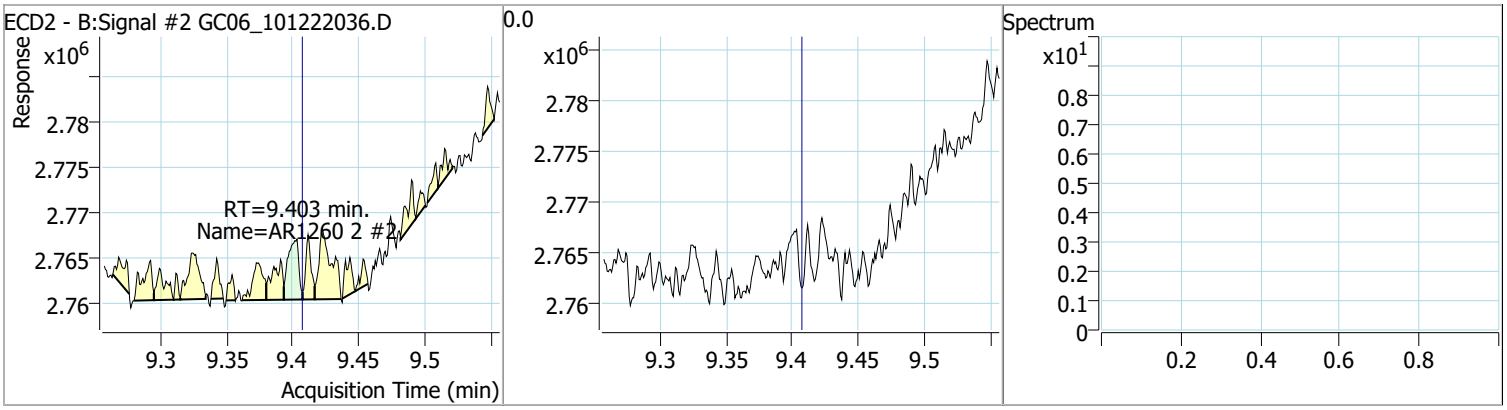
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.3394	8.90	-0.01	3168				



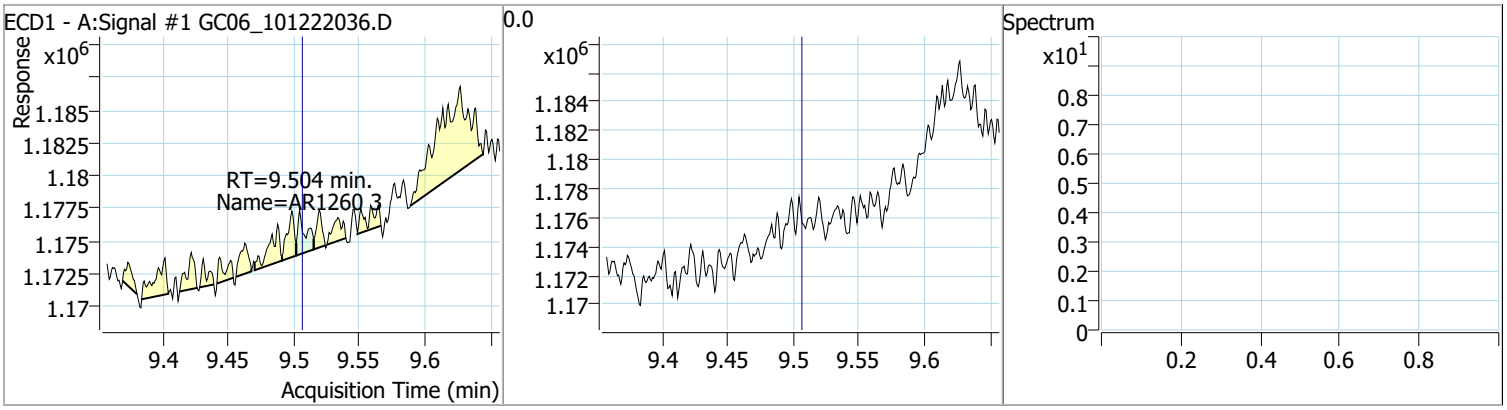
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.0729	8.91	0.00	2397				



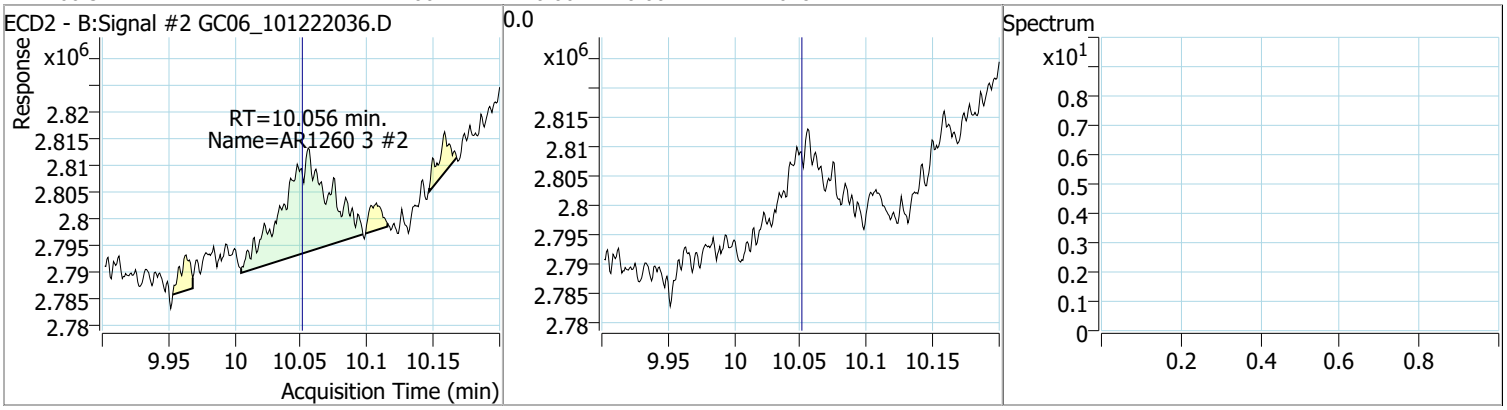
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.1015	9.40	-0.01	3749				



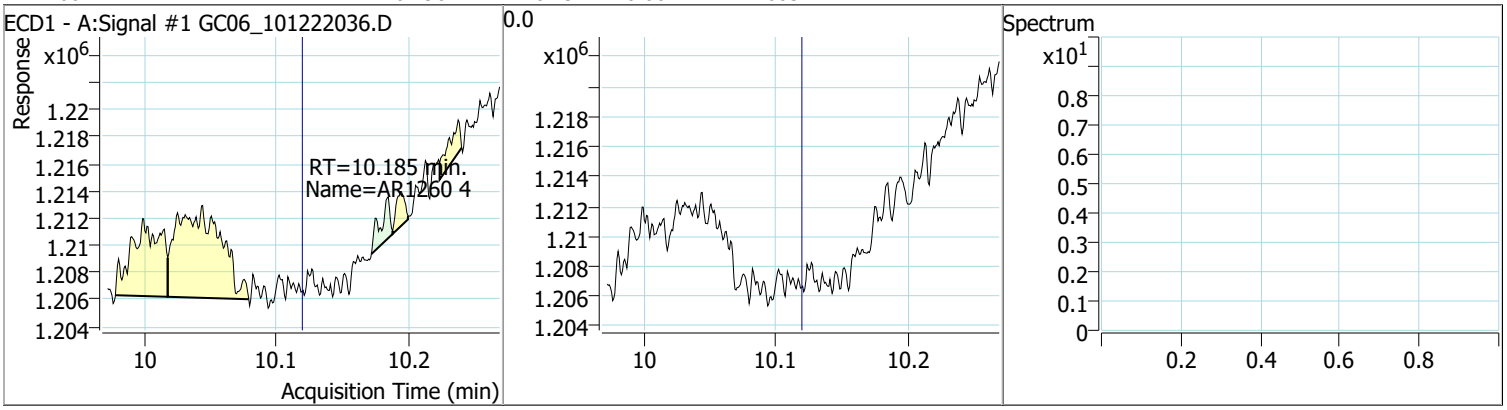
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.1432	9.50	-0.01	1400				



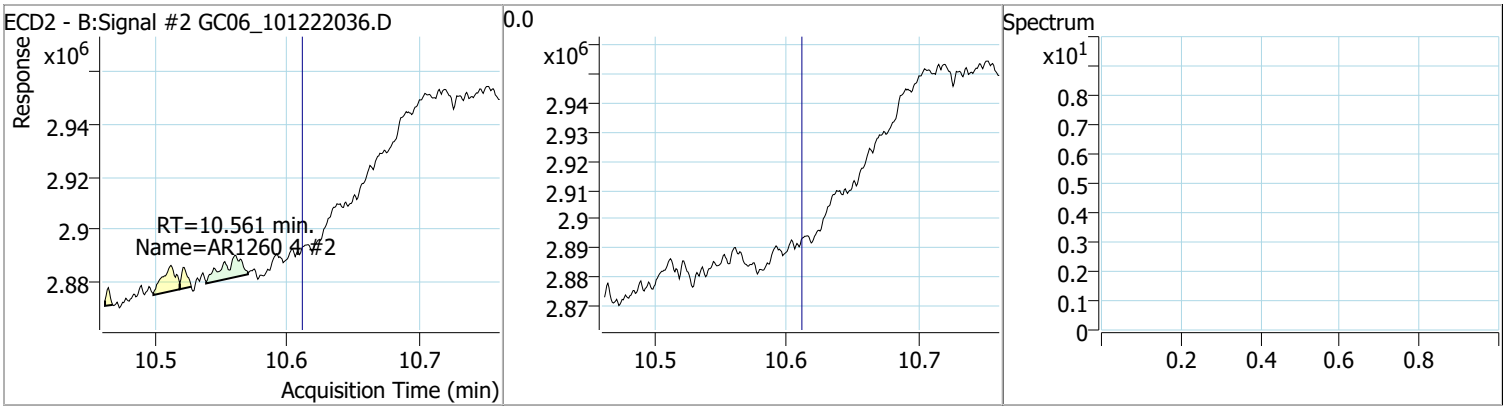
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1.0024	10.06	0.00	47618				



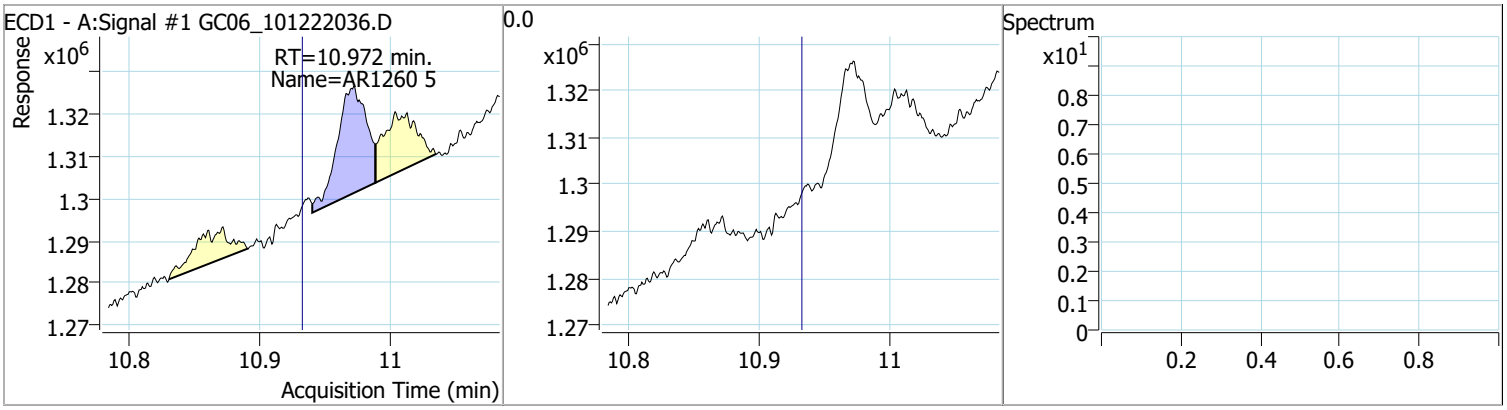
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.2907	10.19	0.06	1603				



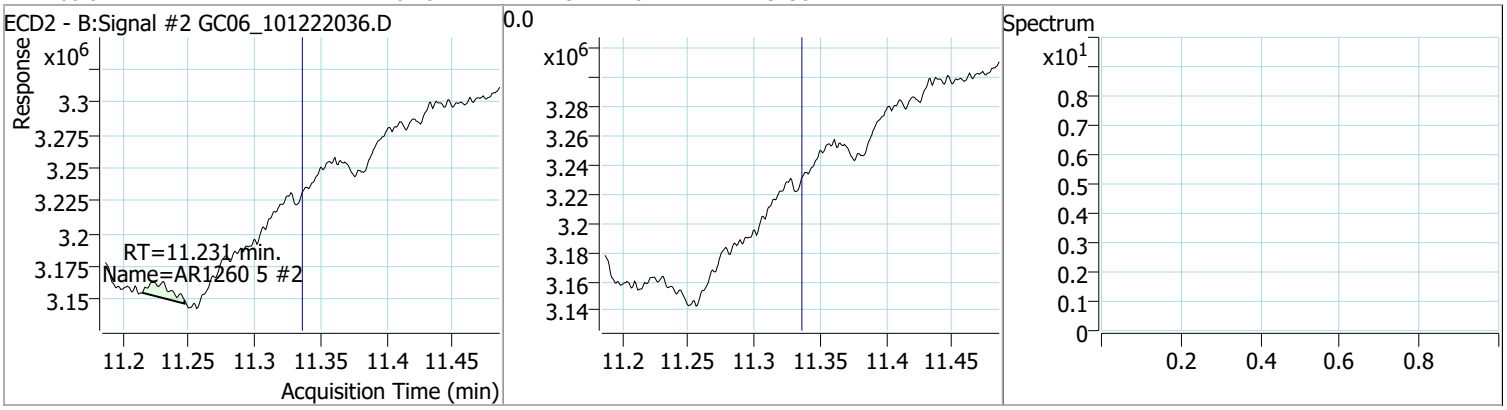
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.2706	10.56	-0.05	8507				



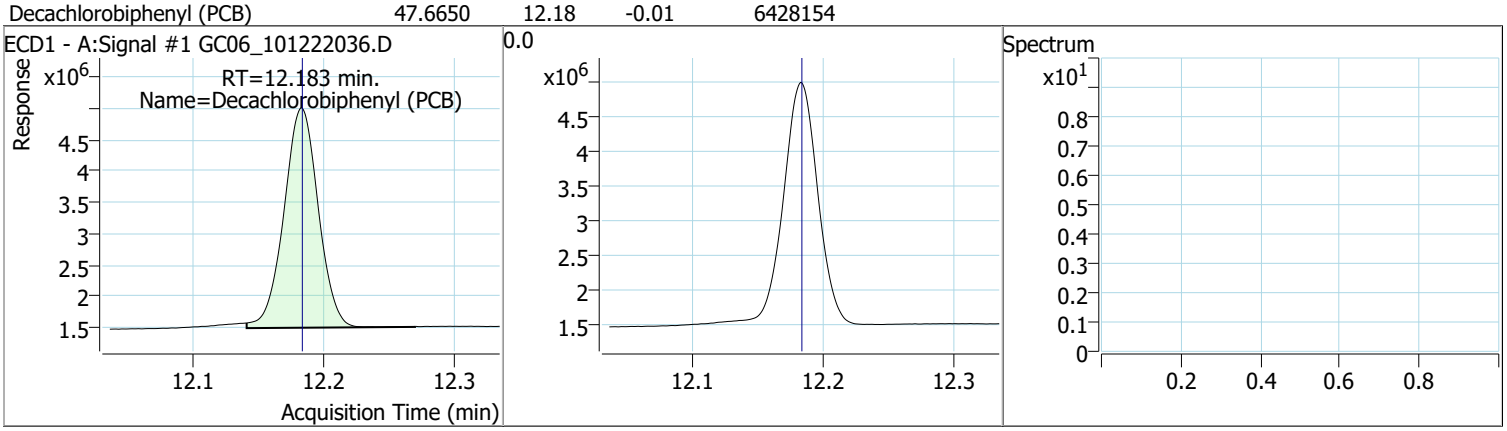
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	5.7462	10.97	0.04	39221				



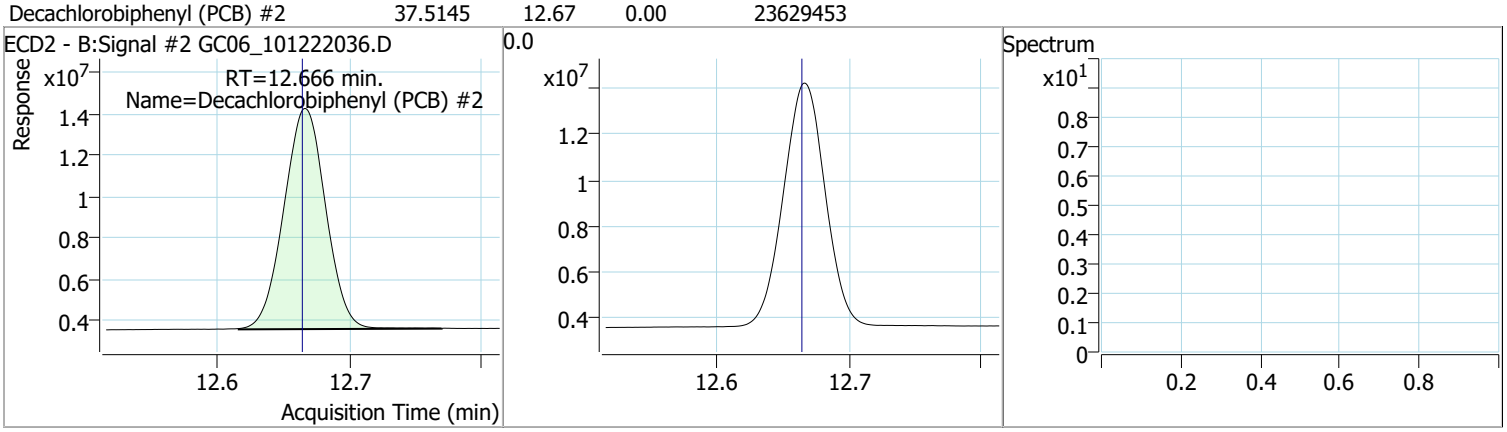
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.2877	11.23	-0.11	13495				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	47.6650	12.18	-0.01	6428154				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.5145	12.67	0.00	23629453				



ENTHALPY BLANK USER REPORT FOR 470460 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Lab ID:	QC1018344		
Seqnum:	462421067020.1	Matrix:	Wipe		
File:	gc07_101922020	Batch:	298736	Time:	19-OCT-2022 15:00
Cal:	462418197001	Caldate:	17-OCT-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	-0.6690	ug/L	ND	0.15	219%	0.25	
Aroclor-1016 Peak # 1	B	1.812	ug/L	0.02	0.30	177%		
Aroclor-1016 Peak # 2	B	14.35	ug/L	0.14	0.40	93%		
Aroclor-1016 Peak # 3	B	-20.45	ug/L	ND	0.01	-211%		
Aroclor-1016 Peak # 4	B	0.1583	ug/L	0.00	0.01	118%		
Aroclor-1016 Peak # 5	B	0.7841	ug/L	0.01	0.03	124%		
Aroclor-1221	B			ND			0.25	
Aroclor-1232	B			ND			0.25	
Aroclor-1242	B			ND			0.25	
Aroclor-1248	B			ND			0.25	
Aroclor-1254	B			ND			0.25	
Aroclor-1260	B	-9.342	ug/L	ND	ND	-134%	0.25	
Aroclor-1260 Peak # 1	B	-19.36	ug/L	ND	0.00	-206%		
Aroclor-1260 Peak # 2	B	-17.26	ug/L	ND	0.00	-205%		
Aroclor-1260 Peak # 3	B	4.688	ug/L	0.05	ND			
Aroclor-1260 Peak # 4	B	-22.39	ug/L	ND	0.01	-212%		
Aroclor-1260 Peak # 5	B	7.613	ug/L	0.08	ND	-1324%		
Aroclor-1262	B			ND			0.25	
Aroclor-1268	B			ND			0.25	

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	41.39	pg/uL	1.000	0.4139	**41***	52-186	
Decachlorobiphenyl (PCB)	B	33.77	pg/uL	1.000	0.3377	**34***	60-140	c-

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1221)

ISTD (CCV gc07_101922005)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1667304	1642966	-1.46
1-bromo-2-nitrobenzene (PCB)	A	2661991	2866288	7.67

ISTD (ICAL gc07_101922009)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1242)	A	2837598	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1242)	B	1779374	**???**	**-100.00 ***

ISTD (ICAL gc07_101922010)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1254)	B	2019153	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1254)	A	3240291	**???**	**-100.00 ***

ISTD (ICAL gc07_101922012)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	1691835	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1268)	A	2747576	**???**	**-100.00 ***

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1221)

ISTD (CCV gc07_101922005)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.28	4.28	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.03	4.02	-0.01

ISTD (ICAL gc07_101922009)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1242)	A	4.02	**???**	
1-bromo-2-nitrobenzene (1242)	B	4.28	**???**	

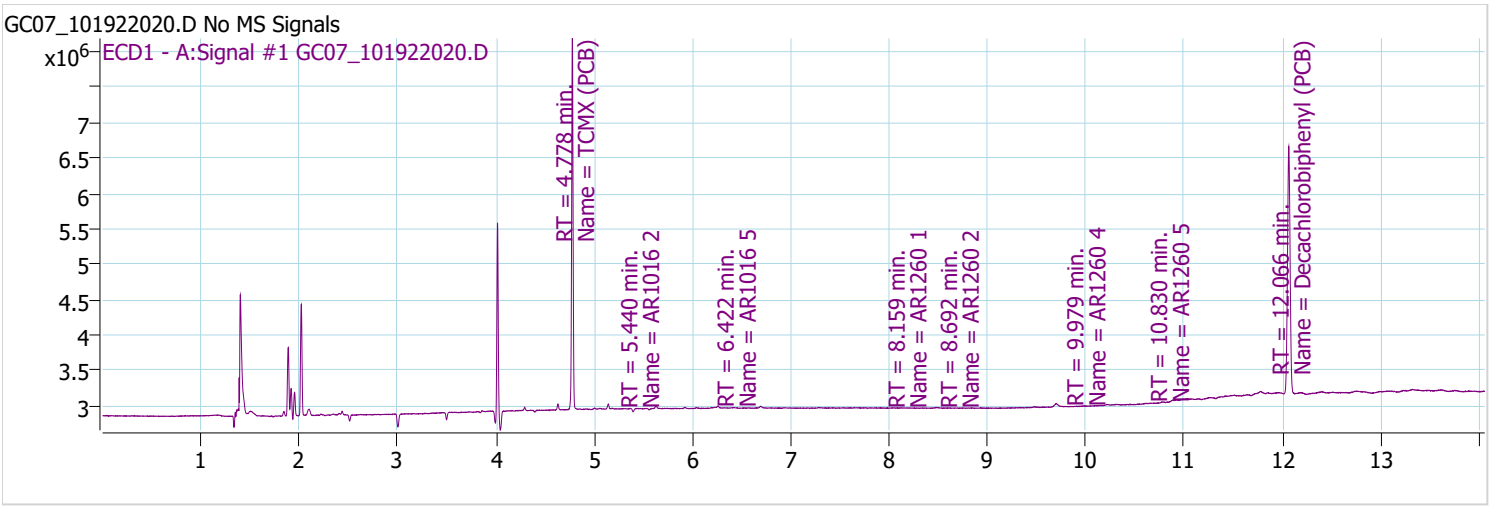
ISTD (ICAL gc07_101922010)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1254)	B	4.28	**???**	
1-bromo-2-nitrobenzene (1254)	A	4.02	**???**	

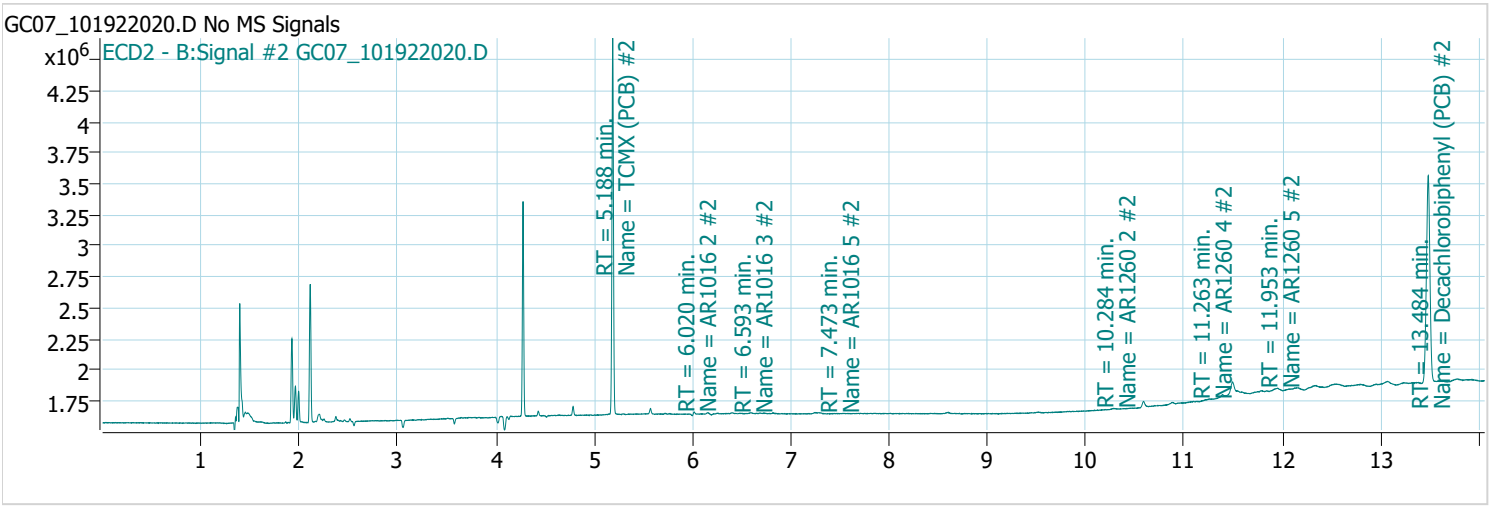
ISTD (ICAL gc07_101922012)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.28	**???**	
1-bromo-2-nitrobenzene (1268)	A	4.02	**???**	

-=low bias c=CCV

Quantitation Results Report (Not Reviewed)

Data File	GC07_101922020.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	10/19/2022 3:00:15 PM
Sample Name	QC1018344, 298736, 1	Instrument	SVOA-GC07
Vial	8	Multiplier	1.00
DA Method File	PCB_608_101722_GC07_3.m	Comment	WIPE/1S-20ML//RR
Tune File	ATUNE.U	Tune Date	
Batch Name	101922_PCB.batch.bin	Last Calib Update	10/18/2022 7:34:38 AM
Ref Library			



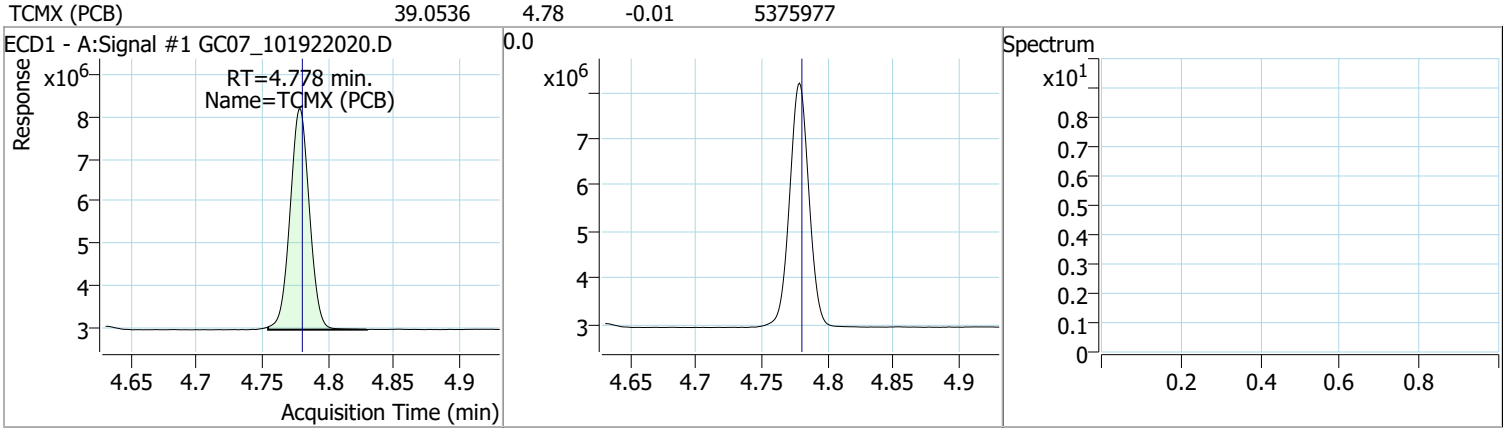


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.018	0.0	2866287.568	20.0000	ng/ml		-0.007
M 1-bromo-2-nitrobenzene (PCB) #2	4.277	0.0	1642965.847	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	4.778	0.0	5375976.909	39.0536	ng/ml		-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.27%		*	
S TCMX (PCB) #2	5.188	0.0	3317255.627	41.3950	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 206.97%		*	
S Decachlorobiphenyl (PCB)	12.066	0.0	6454986.909	31.2549	ng/ml		-0.016
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 156.27%		*	
S Decachlorobiphenyl (PCB) #2	13.484	0.0	4174857.783	33.7743	ng/ml		-0.011
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.87%		*	
Target Compounds							QValue

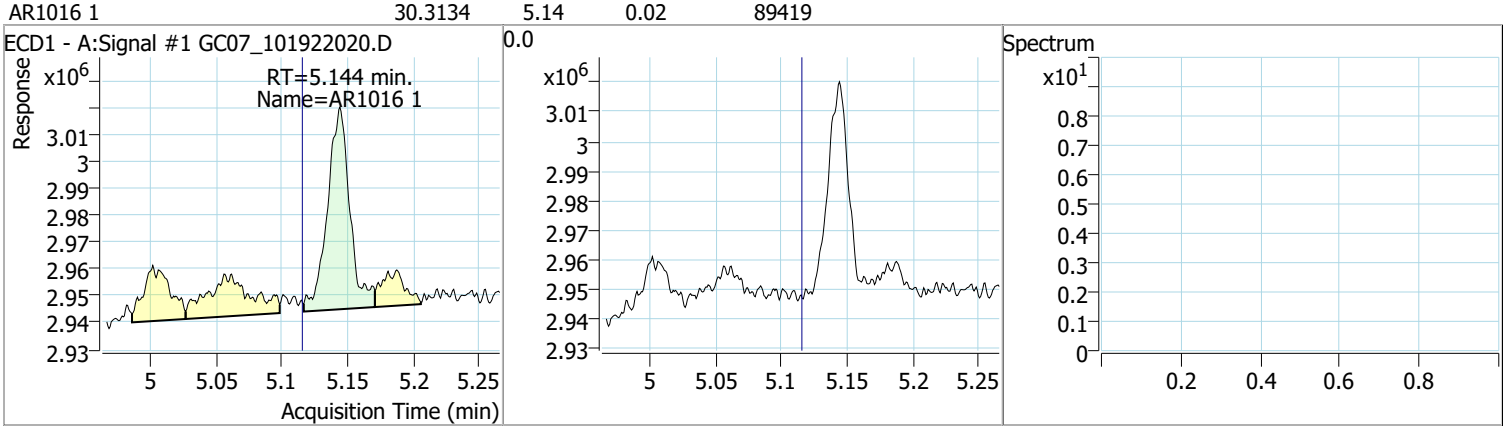
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.144	0.0	89419.455	30.3134	ng/ml	100
T AR1016 2	5.440	0.0	249517.770	39.5059	ng/ml	100
T AR1016 1 #2	5.674	0.0	3377.843	1.8123	ng/ml	100
T AR1016 3	5.885	0.0	4416.209	0.5610	ng/ml	100
T AR1016 4	5.991	0.0	3498.494	0.6177	ng/ml	100
T AR1016 2 #2	6.020	0.0	56089.596	14.3527	ng/ml	100
T AR1016 5	6.422	0.0	15723.976	3.3582	ng/ml	100
T AR1016 3 #2	6.593	0.0	16335.826	0.0000	ng/ml	100
T AR1016 4 #2	6.787	0.0	558.590	0.1583	ng/ml	100
T AR1016 5 #2	7.473	0.0	2256.995	0.7841	ng/ml	100
T AR1260 1	8.159	0.0	2563.449	0.2672	ng/ml	100
T AR1260 2	8.692	0.0	3220.567	0.2214	ng/ml	100
T AR1260 3	0.000		0	N.D.		
T AR1260 1 #2	9.936	0.0	2251.371	0.0000	ng/ml	100
T AR1260 4	9.979	0.0	5735.332	0.6588	ng/ml	100
T AR1260 2 #2	10.284	0.0	24297.118	0.0000	ng/ml	100
T AR1260 3 #2	10.882	0.0	40460.459	4.6884	ng/ml	100
T AR1260 5	10.830	0.0	3681.794	0.0000	ng/ml	100
T AR1260 4 #2	11.263	0.0	3858.487	0.0000	ng/ml	100
T AR1260 5 #2	11.953	0.0	66928.460	7.6130	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

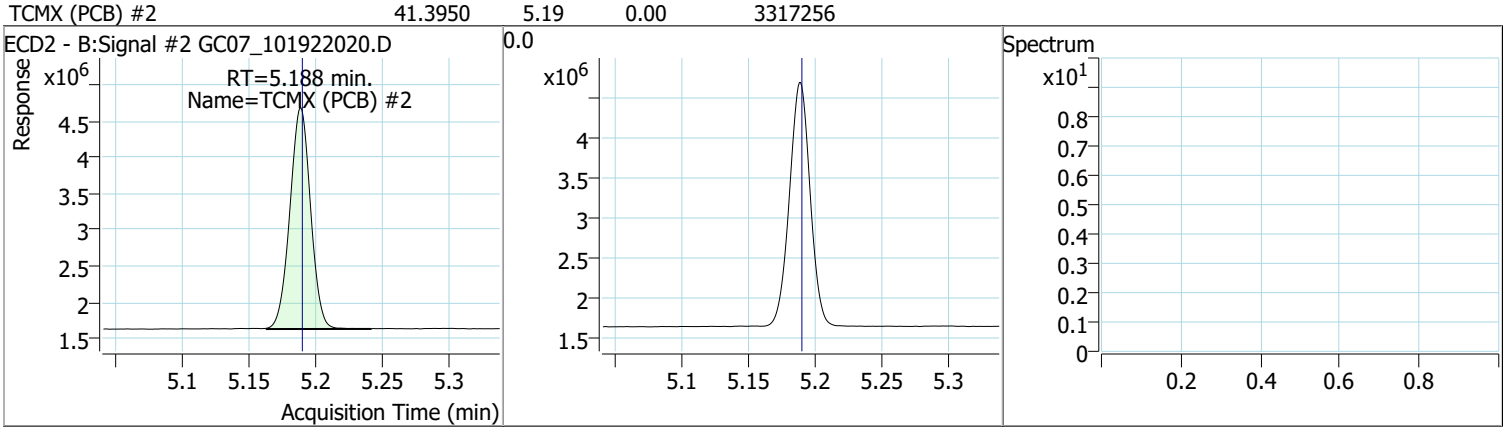
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.0536	4.78	-0.01	5375977				



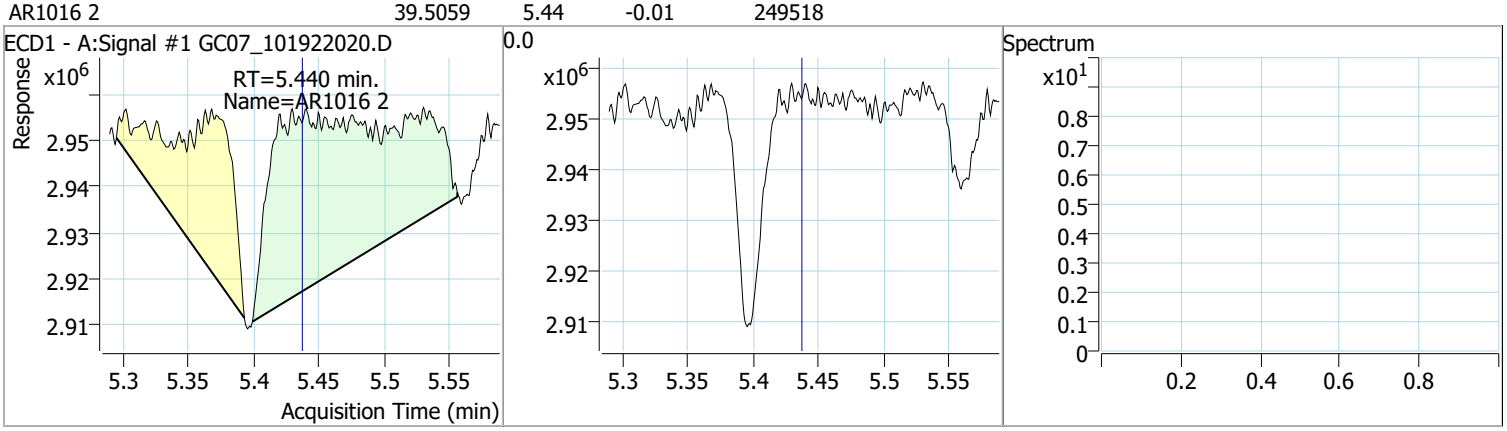
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	30.3134	5.14	0.02	89419				



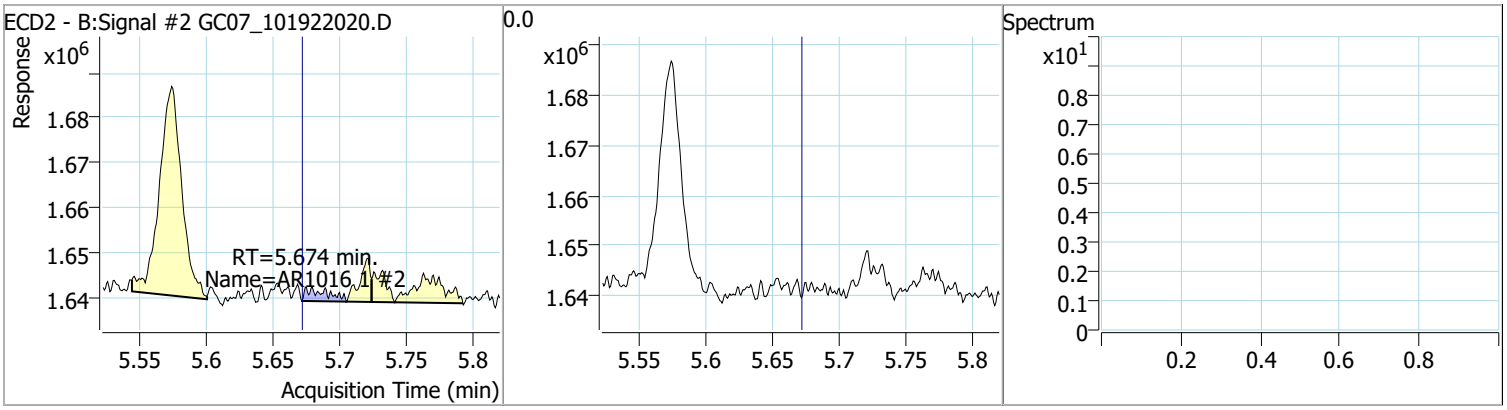
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.3950	5.19	0.00	3317256				



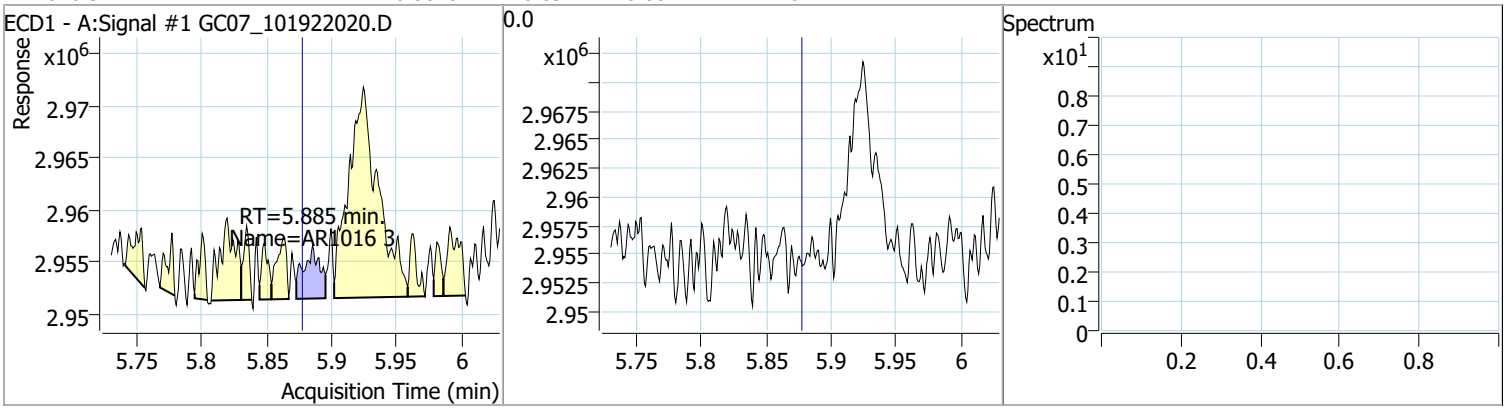
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	39.5059	5.44	-0.01	249518				



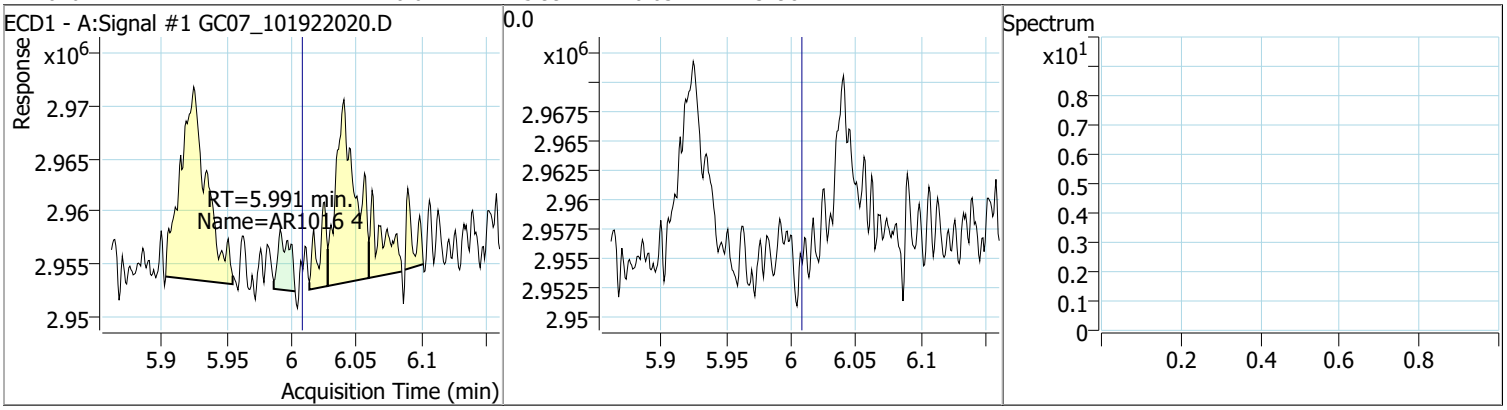
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1.8123	5.67	0.00	3378				



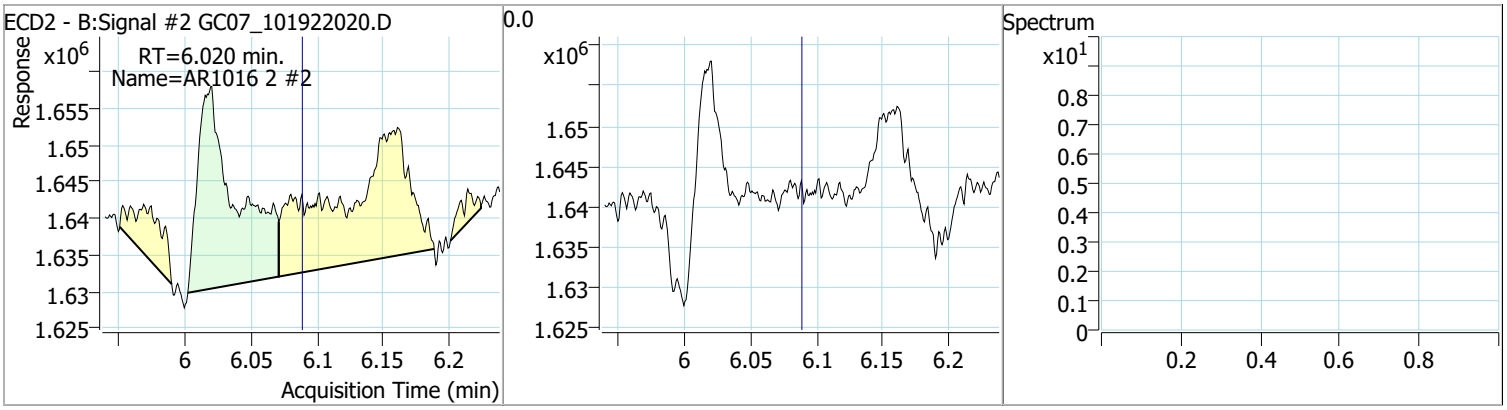
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.5610	5.89	0.00	4416				



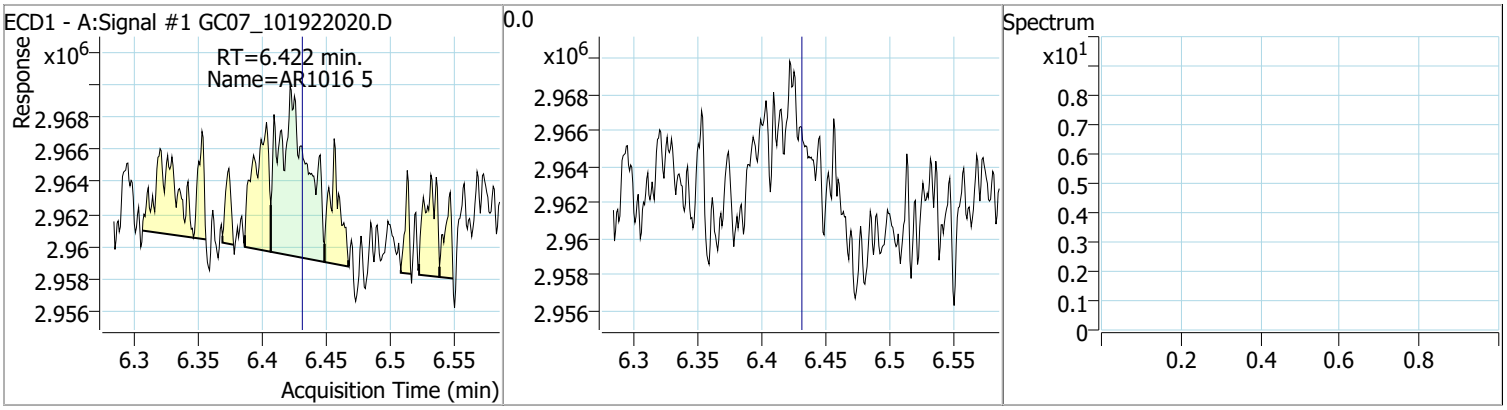
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.6177	5.99	-0.03	3498				



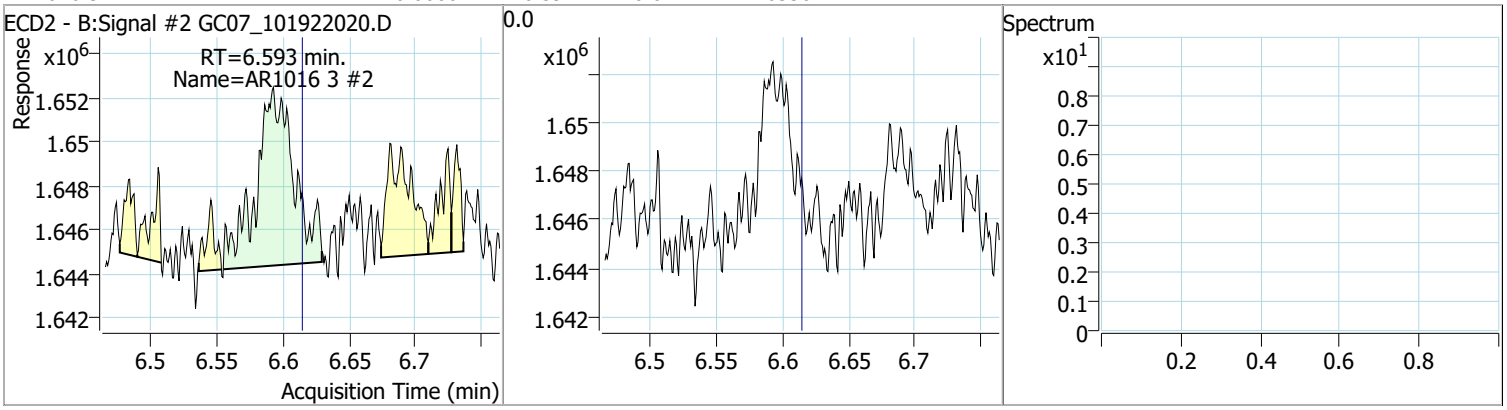
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	14.3527	6.02	-0.07	56090				



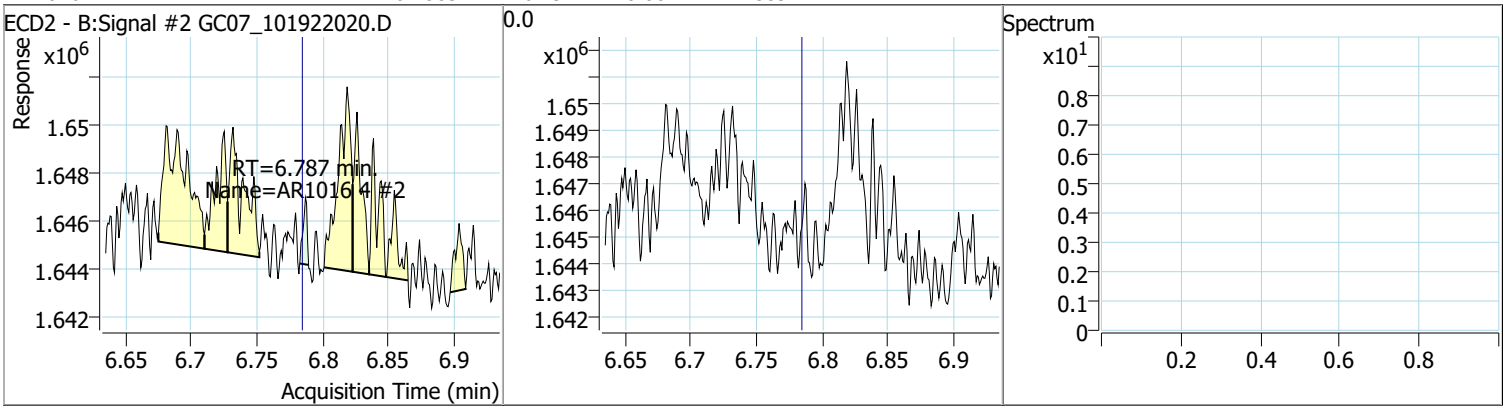
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	3.3582	6.42	-0.02	15724				



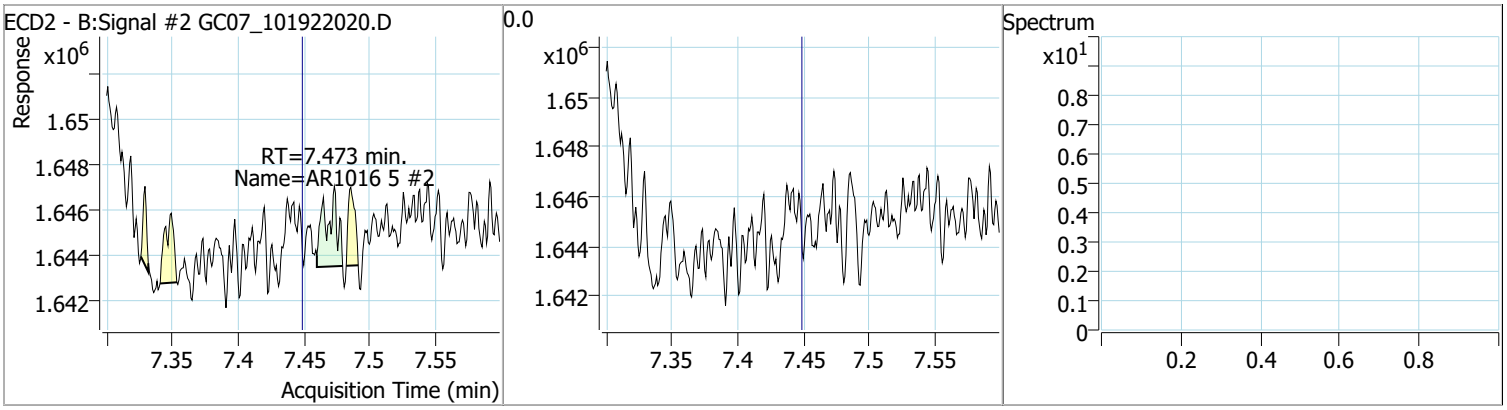
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	0.0000	6.59	-0.02	16336				



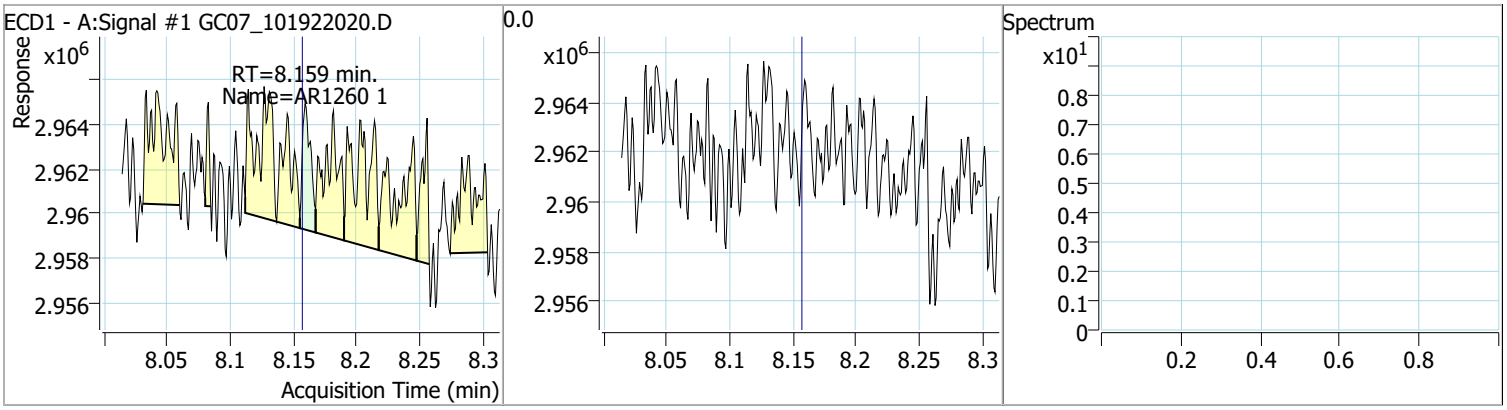
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.1583	6.79	0.00	559				



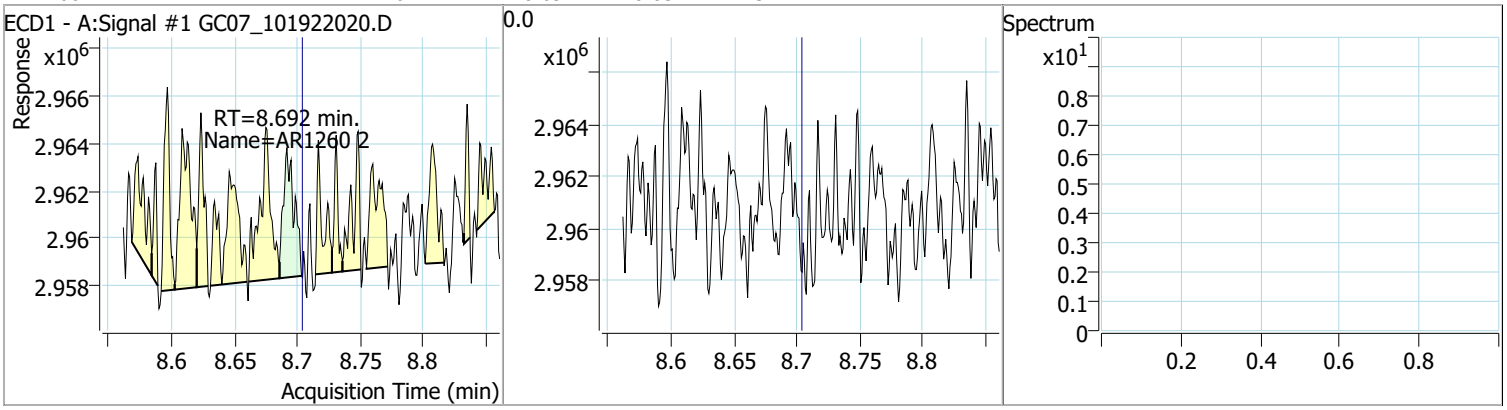
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.7841	7.47	0.02	2257				



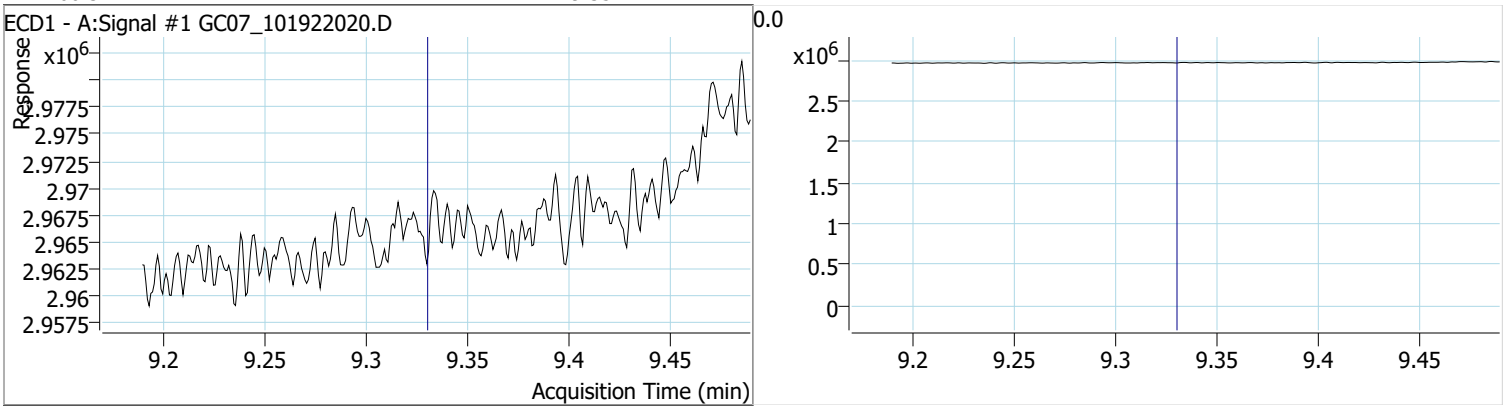
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.2672	8.16	-0.01	2563				



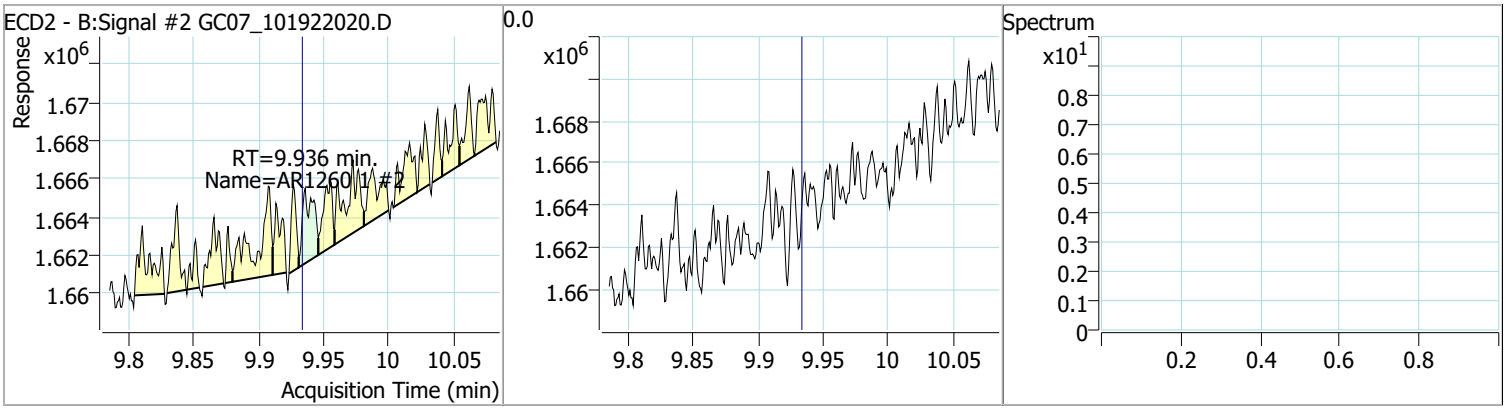
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.2214	8.69	-0.03	3221				



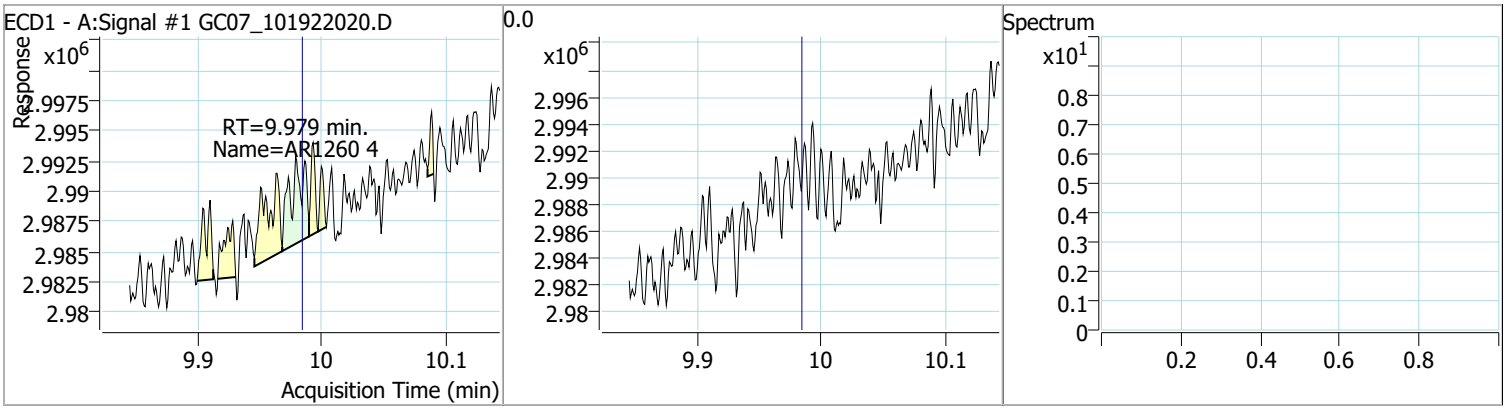
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	9.35		



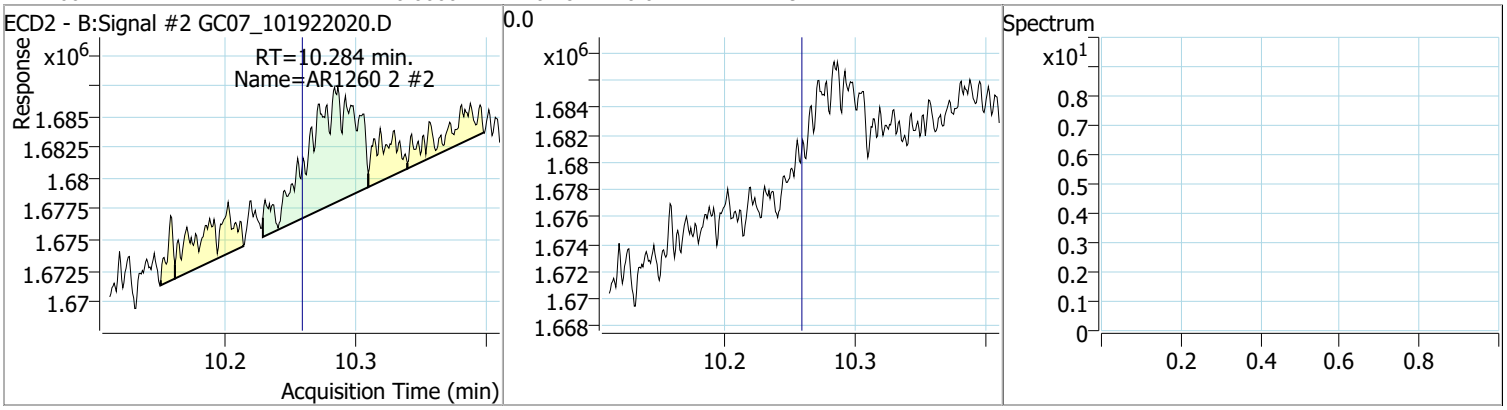
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.0000	9.94	0.00	2251				



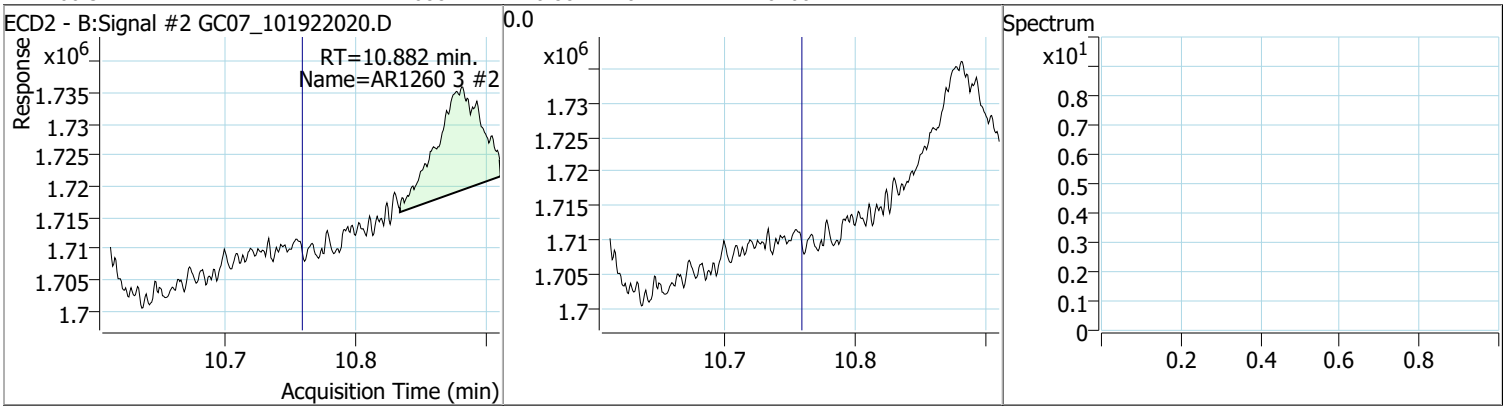
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.6588	9.98	-0.02	5735				



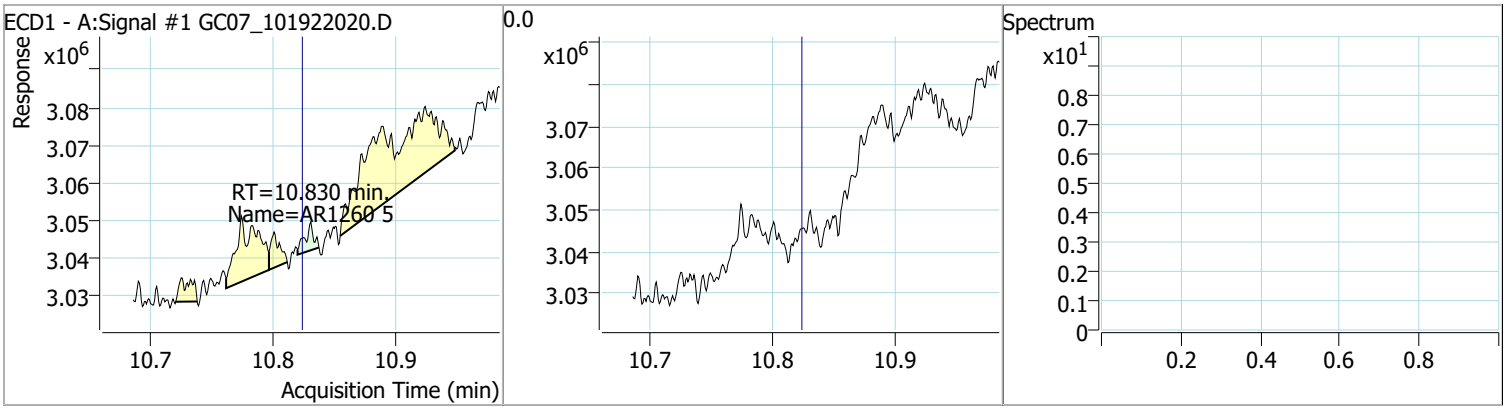
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0000	10.28	0.02	24297				



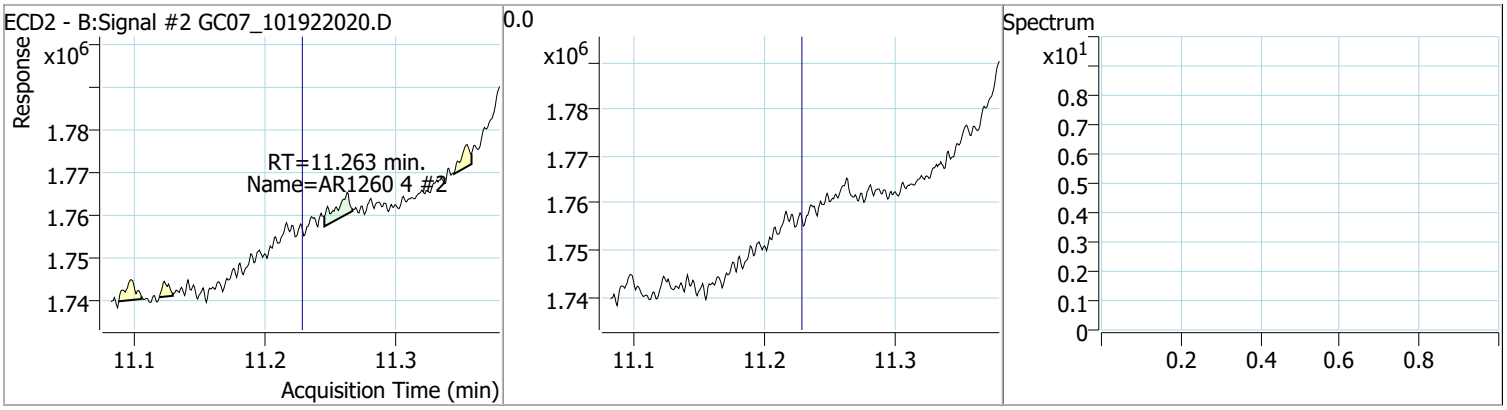
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	4.6884	10.88	0.12	40460				



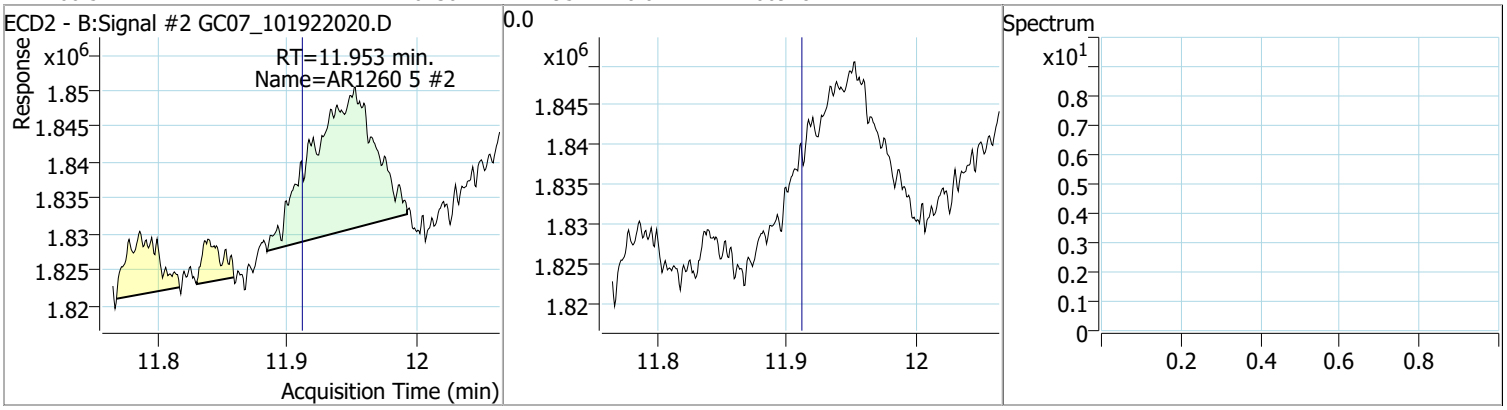
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.83	-0.01	3682				



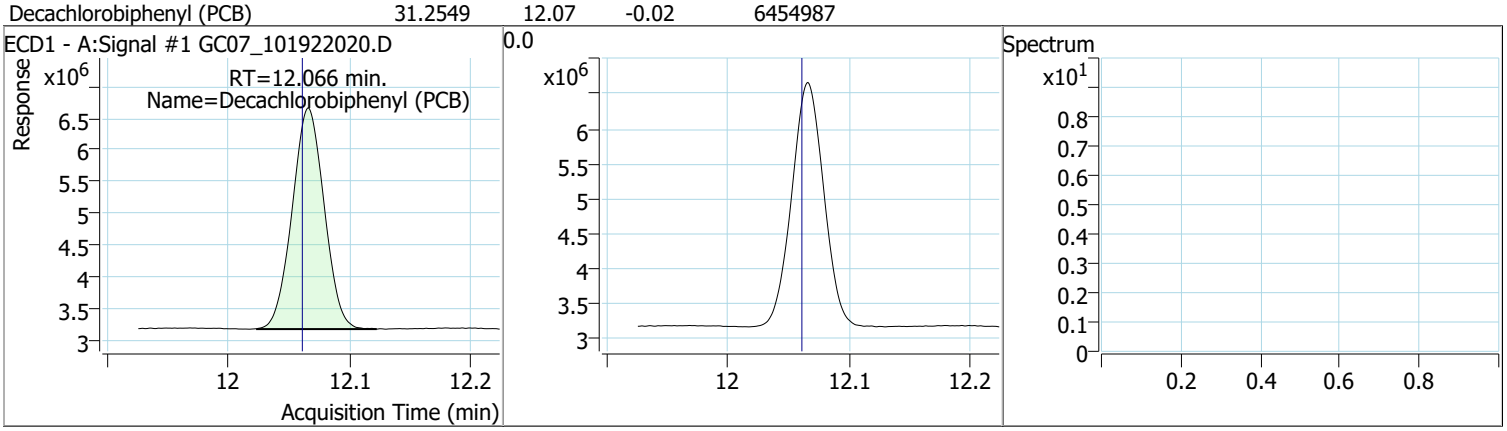
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.26	0.03	3858				



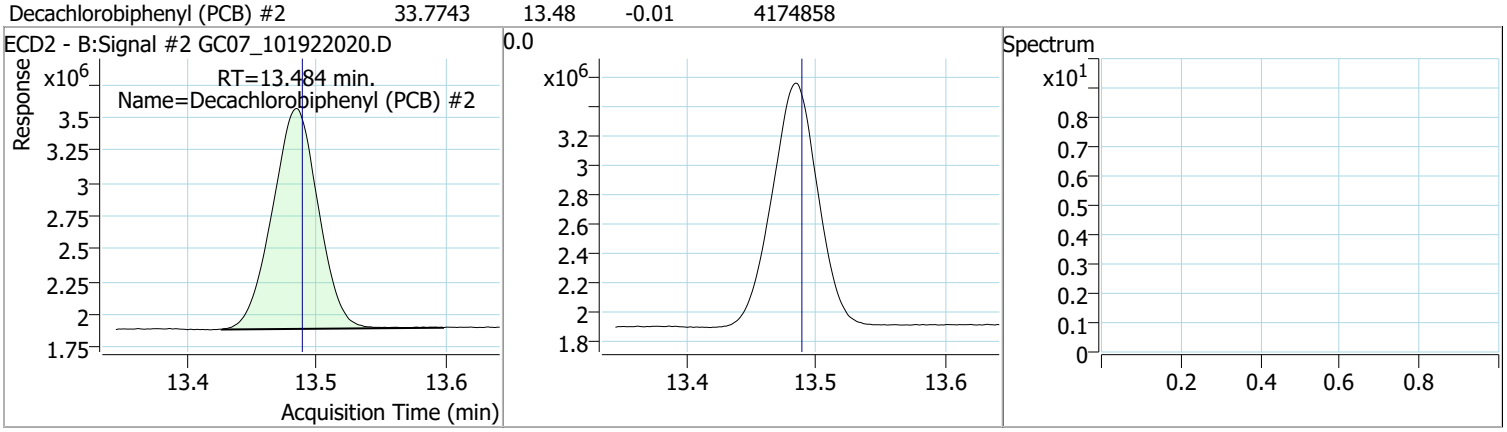
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.6130	11.95	0.04	66928				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	31.2549	12.07	-0.02	6454987				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.7743	13.48	-0.01	4174858				



ENTHALPY SPIKE USER REPORT FOR 470460 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452410975037.1	Seqnum:	452410975038.1
File:	gc06_101222037	File:	gc06_101222038
IDF:	1.0	IDF:	1.0
Lab ID:	QC1018345	Lab ID:	QC1018346
Matrix:	Wipe	Matrix:	Wipe
Batch:	298736	Batch:	298736
Time:	12-OCT-2022 19:30	Time:	12-OCT-2022 19:48
Cal:	452369928002	Cal:	452369928002
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	446.6	4.466	B	89	465.8	4.658	B	93	60-140	4	20	u
Aroclor-1016 Peak # 1		422.9	4.229	B		437.4	4.374	B					
Aroclor-1016 Peak # 2		437.9	4.379	B		459.9	4.599	B					
Aroclor-1016 Peak # 3		450.0	4.500	B		465.9	4.659	B					
Aroclor-1016 Peak # 4		460.5	4.605	B		481.6	4.816	B					
Aroclor-1016 Peak # 5		461.5	4.615	B		484.3	4.843	B					
Aroclor-1260	5.000	408.5	4.085	B	82	464.4	4.644	B	93	60-140	13	20	u
Aroclor-1260 Peak # 1		430.1	4.301	B		471.7	4.717	B					
Aroclor-1260 Peak # 2		450.6	4.506	B		503.6	5.036	B					
Aroclor-1260 Peak # 3		430.8	4.308	B		486.7	4.867	B					
Aroclor-1260 Peak # 4		389.4	3.894	B		447.4	4.474	B					
Aroclor-1260 Peak # 5		341.7	3.417	B		412.6	4.126	B					
Surrogates													
TCMX (PCB)	0.5000	43.44	0.4344	B	87	44.02	0.4402	B	88	52-186			u
Decachlorobiphenyl (PCB)	0.5000	32.79	0.3279	B	66	38.64	0.3864	B	77	60-140			u

ISTD (CCV gc06_101222003)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9052455	10303701	13.82
1-bromo-2-nitrobenzene (PCB)	A	1846693	2197182	18.98

ISTD (CCV gc06_101222003)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.93	0.01
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

ISTD (CCV gc06_101222003)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	9052455	9573383	5.75
1-bromo-2-nitrobenzene (PCB)	A	1846693	2065361	11.84

ISTD (CCV gc06_101222003)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.92	3.92	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.11	4.11	0.00

TRN 10/14/22 : acid wash [general version]

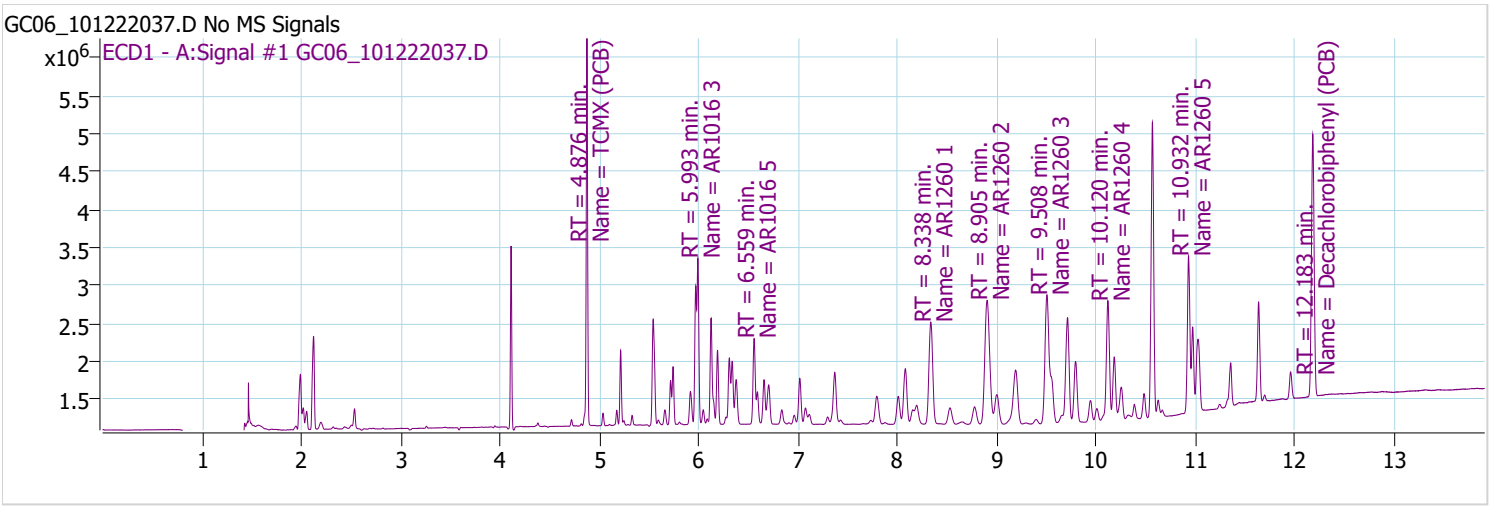
TRN 10/14/22 [Aroclor-1016 Peak # 3 B]: Separated from coeluting peak for Ch. B for spike & dup. [general version]

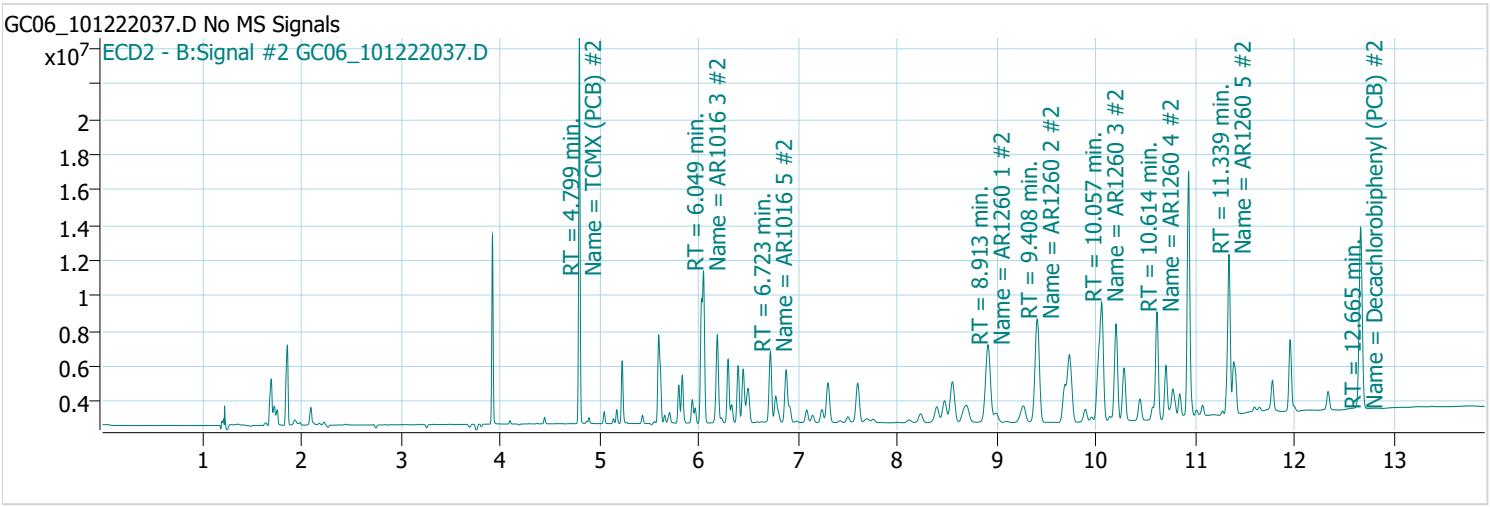
u=use

Analyst: TRN 10/14/22 **Reviewer:** LW 10/19/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_101222037.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 7:30:39 PM
Sample Name	QC1018345, 298736, 1	Instrument	SVOA-GC06
Vial	26	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222_pcb.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



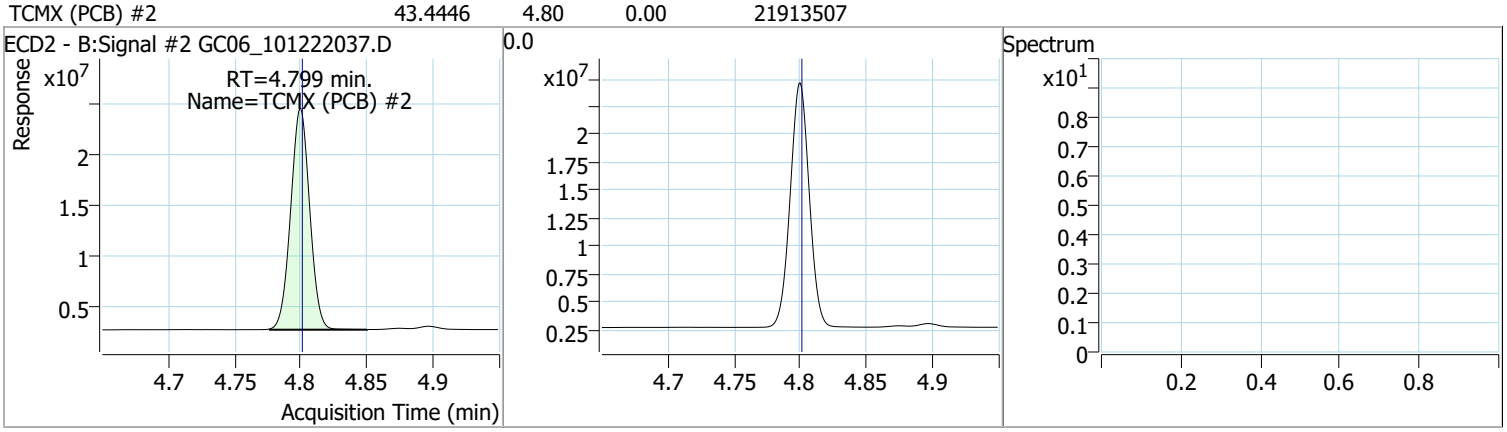


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.925	0.0	10303701.219	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB)	4.113	0.0	2197182.063	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	4.799	0.0	21913506.581	43.4446	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 217.22%		*	
S TCMX (PCB)	4.876	0.0	5044488.682	48.2000	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 241.00%		*	
S Decachlorobiphenyl (PCB)	12.183	0.0	6527041.377	44.2922	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 221.46%		*	
S Decachlorobiphenyl (PCB) #2	12.665	0.0	22411809.044	32.7907	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.95%		*	
Target Compounds							QValue

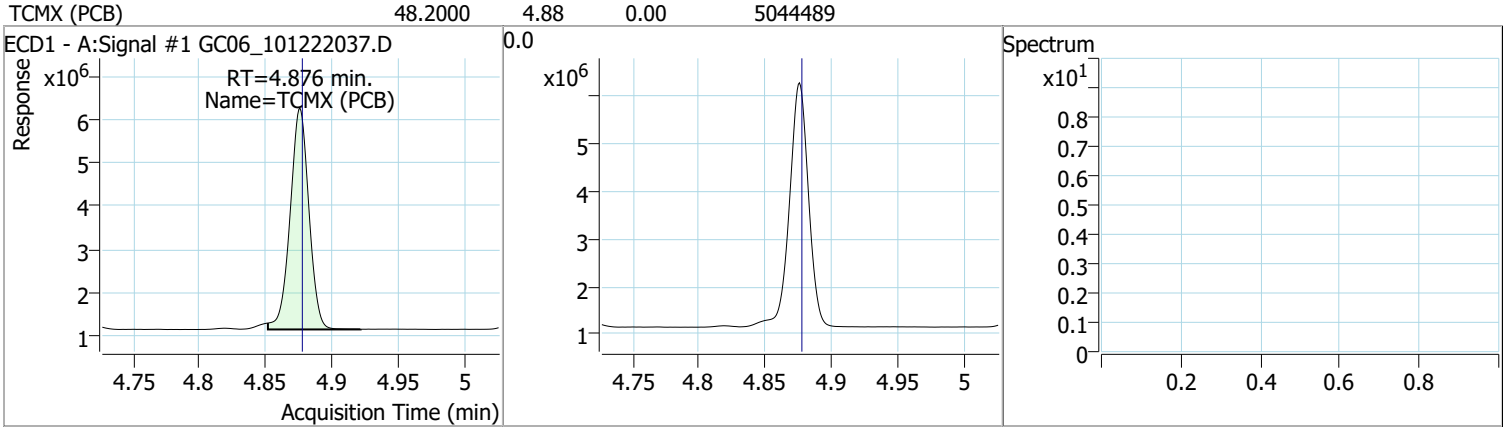
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.215	0.0	1065598.242	494.7267	ng/ml		100
T AR1016 1 #2	5.230	0.0	4380347.651	422.9176	ng/ml		100
T AR1016 2	5.543	0.0	2337542.250	507.7288	ng/ml		100
T AR1016 2 #2	5.598	0.0	9460217.055	437.9355	ng/ml		100
T AR1016 3	5.993	0.0	2843758.890	523.9924	ng/ml		100
T AR1016 3 #2	6.049	0.0	12646545.075	449.9706	ng/ml	m	100
T AR1016 4	6.126	0.0	2157204.992	528.0944	ng/ml		100
T AR1016 4 #2	6.188	0.0	8552543.217	460.5541	ng/ml		100
T AR1016 5	6.559	0.0	1746706.160	534.6913	ng/ml		100
T AR1016 5 #2	6.723	0.0	7236543.181	461.5389	ng/ml		100
T AR1260 1	8.338	0.0	3597487.267	556.5910	ng/ml		100
T AR1260 2	8.905	0.0	5576770.041	546.8246	ng/ml		100
T AR1260 1 #2	8.913	0.0	15352210.434	430.1198	ng/ml		100
T AR1260 2 #2	9.408	0.0	18056557.959	450.6312	ng/ml		100
T AR1260 3	9.508	0.0	5884322.896	551.0733	ng/ml		100
T AR1260 3 #2	10.057	0.0	22207958.994	430.8382	ng/ml		100
T AR1260 4	10.120	0.0	3221060.419	534.7187	ng/ml		100
T AR1260 4 #2	10.614	0.0	13286101.198	389.4506	ng/ml		100
T AR1260 5	10.932	0.0	3648652.665	489.2076	ng/ml		100
T AR1260 5 #2	11.339	0.0	17388935.863	341.6656	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

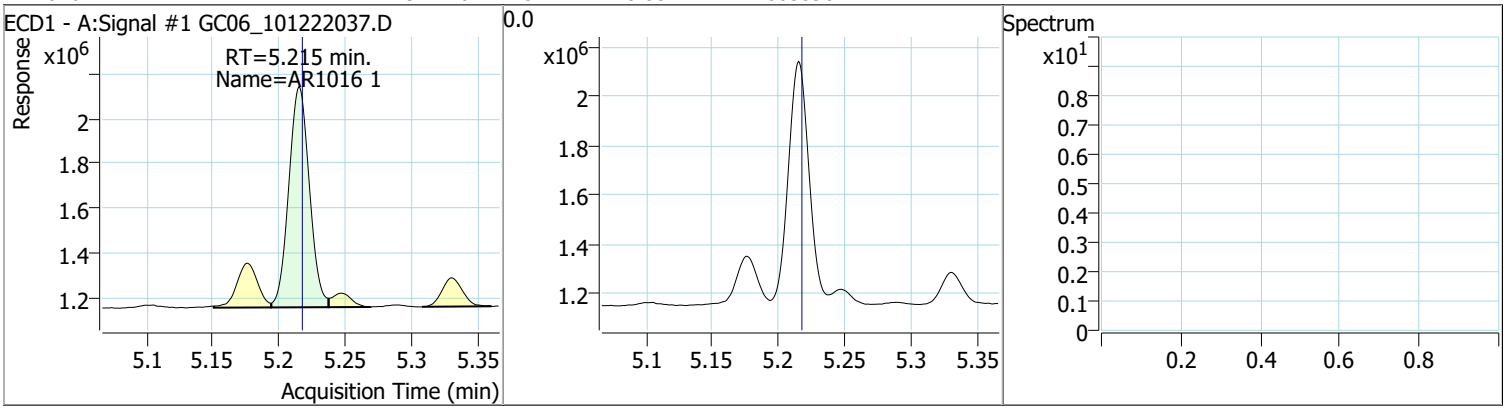
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.4446	4.80	0.00	21913507				



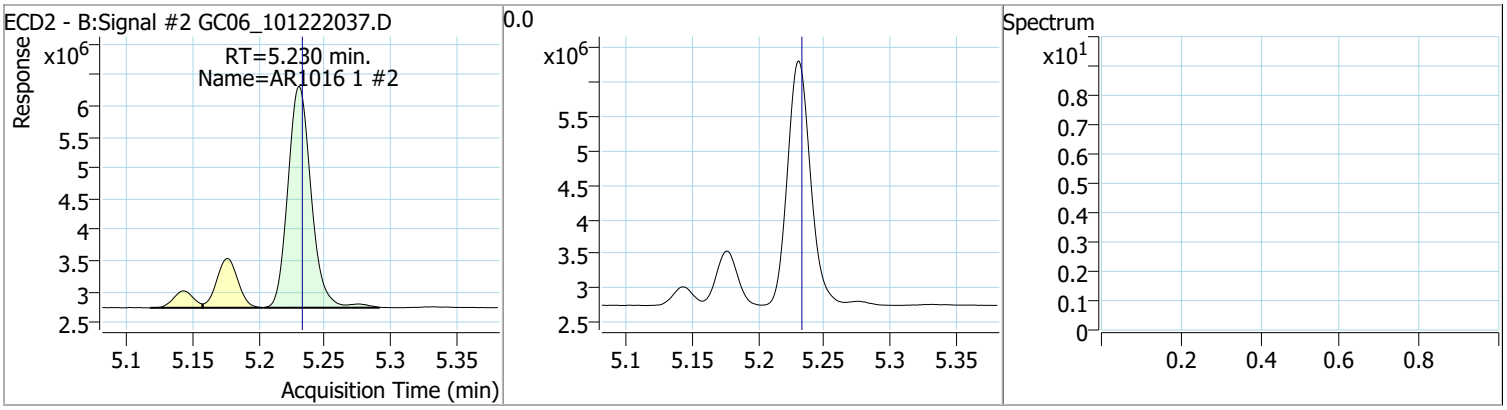
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	48.2000	4.88	0.00	5044489				



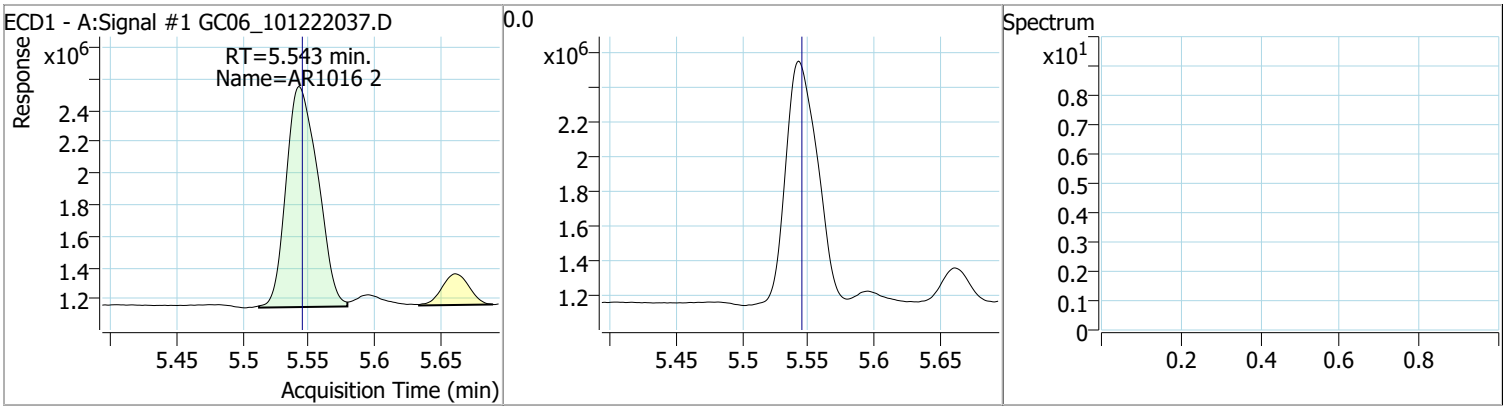
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	494.7267	5.22	0.00	1065598				



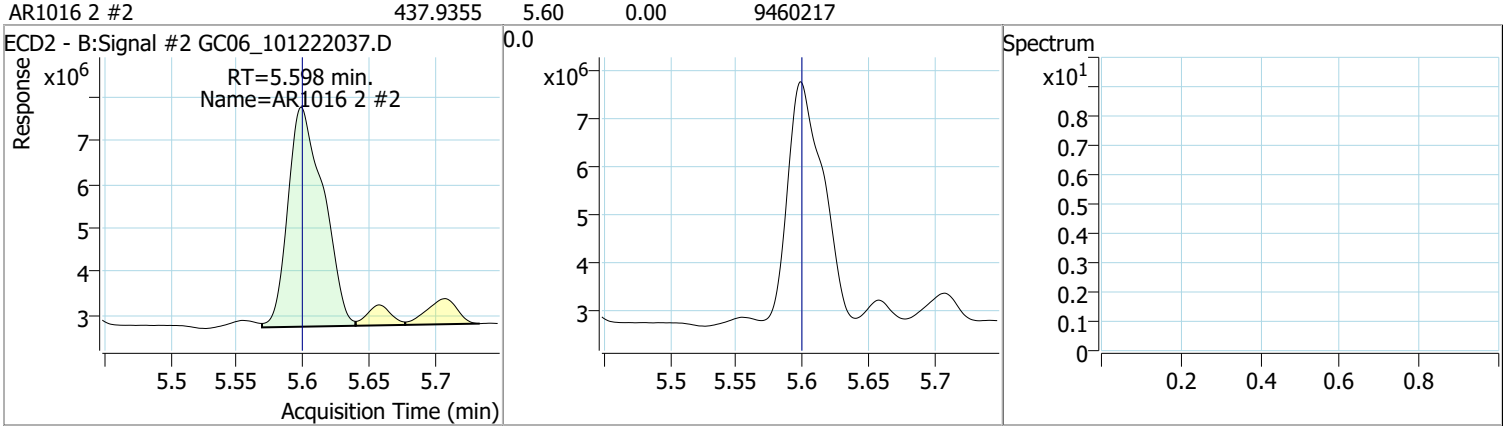
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	422.9176	5.23	0.00	4380348				



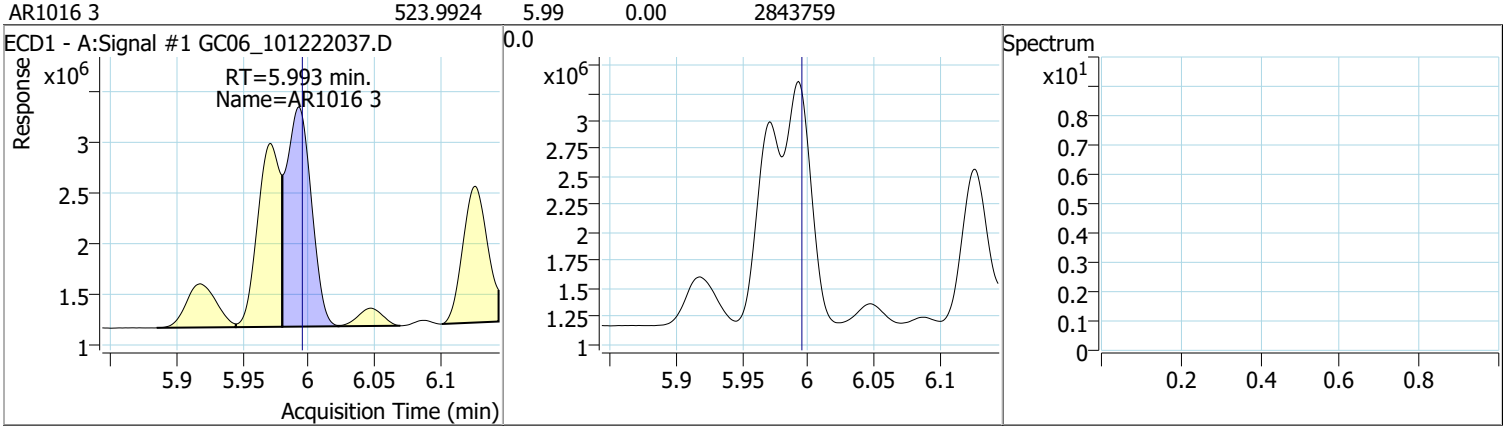
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	507.7288	5.54	0.00	2337542				



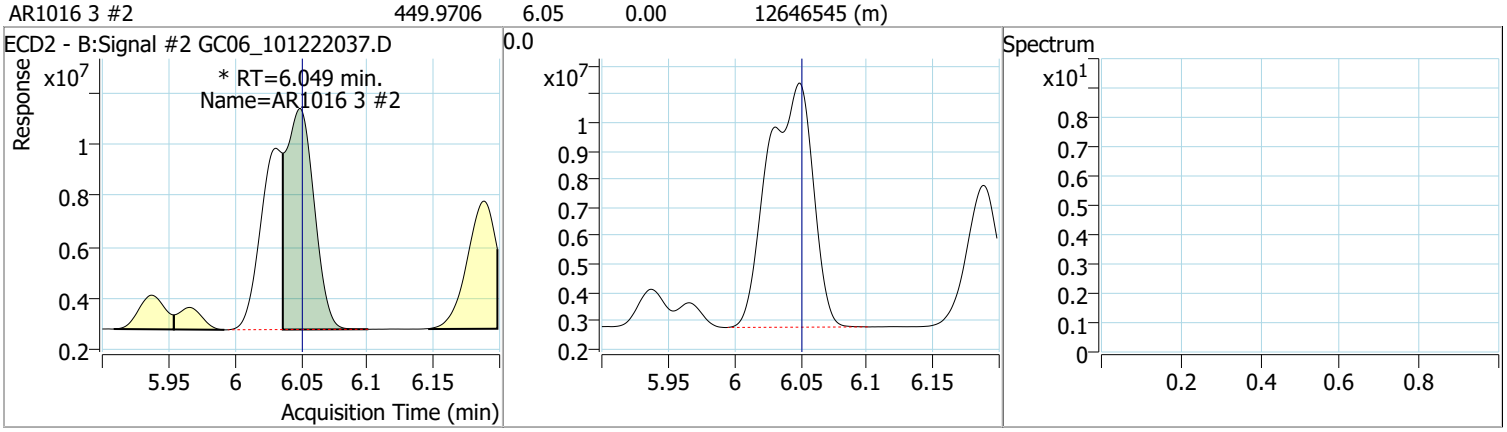
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	437.9355	5.60	0.00	9460217				



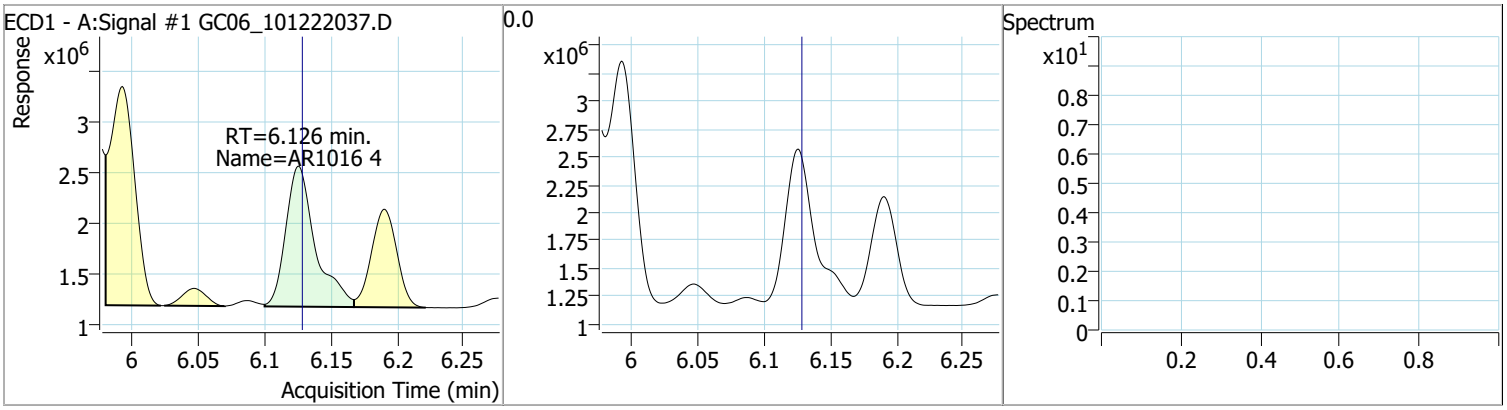
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	523.9924	5.99	0.00	2843759				



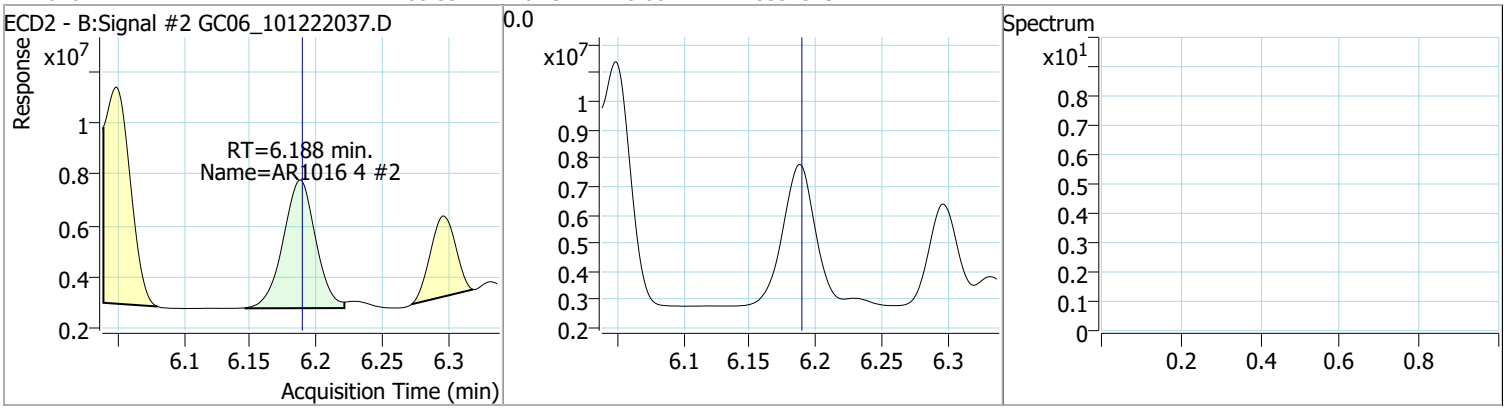
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	449.9706	6.05	0.00	12646545 (m)				



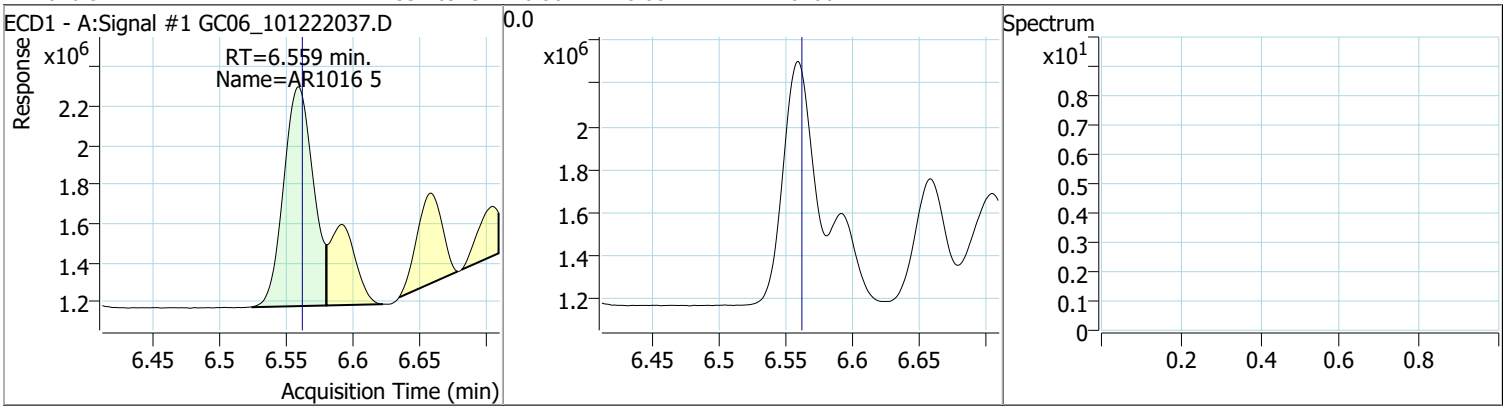
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	528.0944	6.13	0.00	2157205				



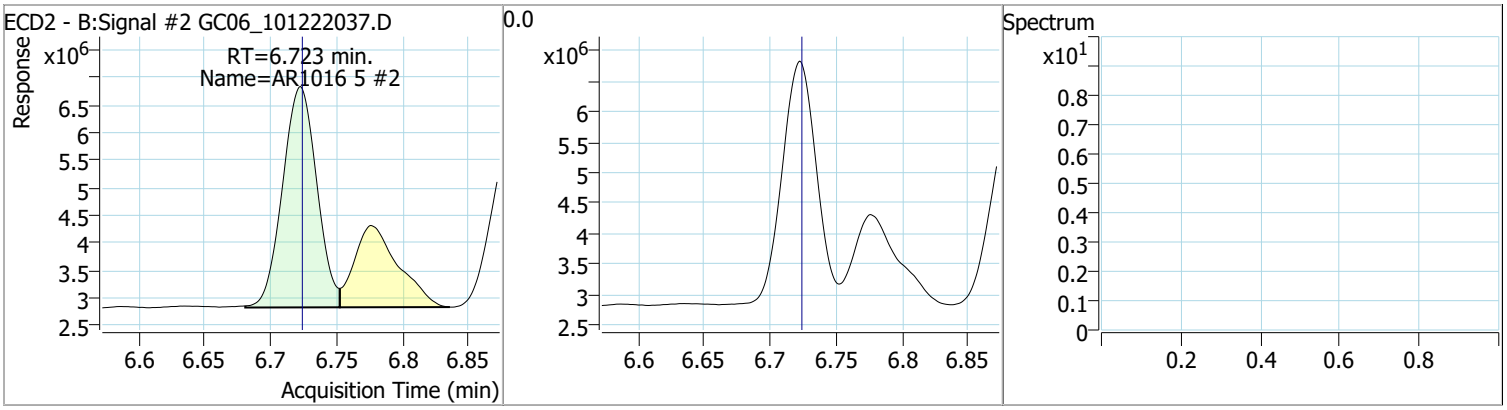
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	460.5541	6.19	0.00	8552543				



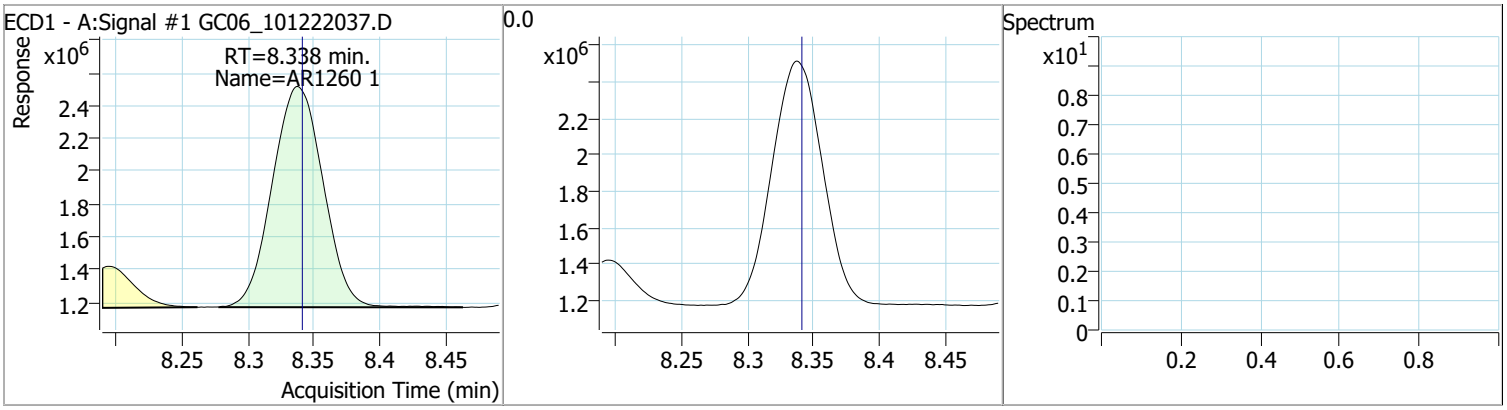
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	534.6913	6.56	0.00	1746706				



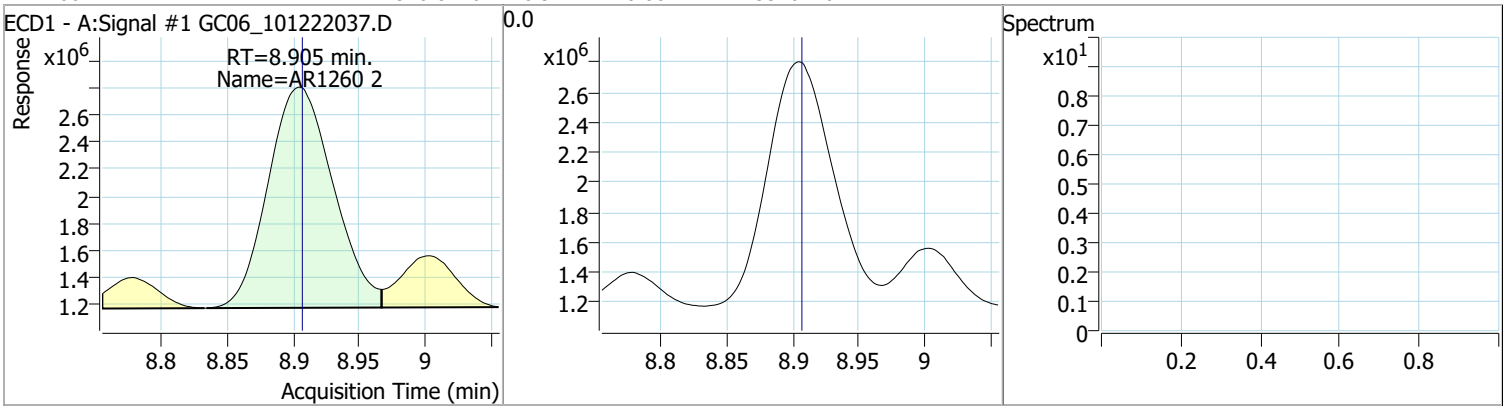
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	461.5389	6.72	0.00	7236543				



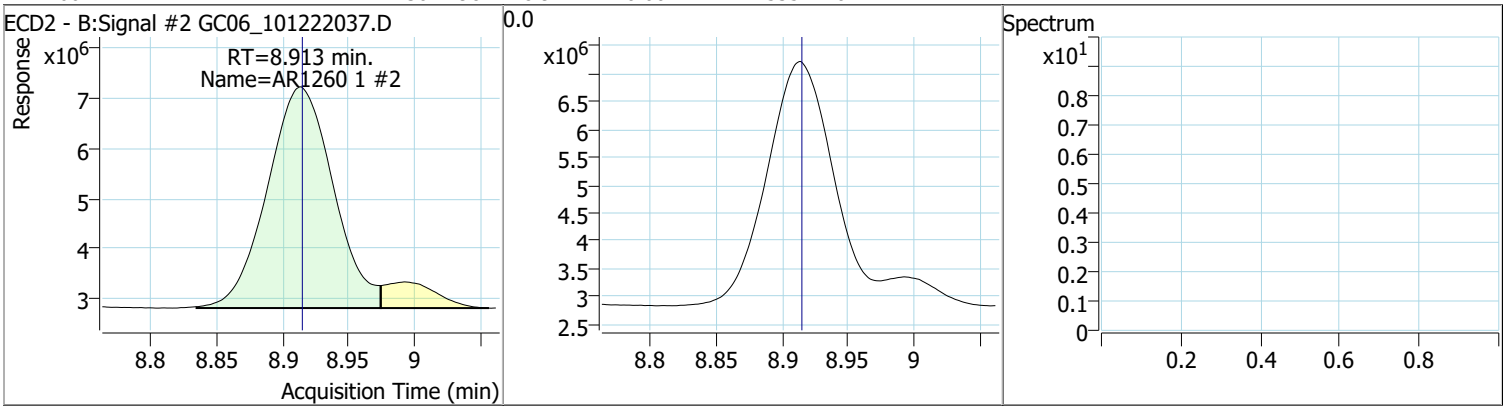
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	556.5910	8.34	0.00	3597487				



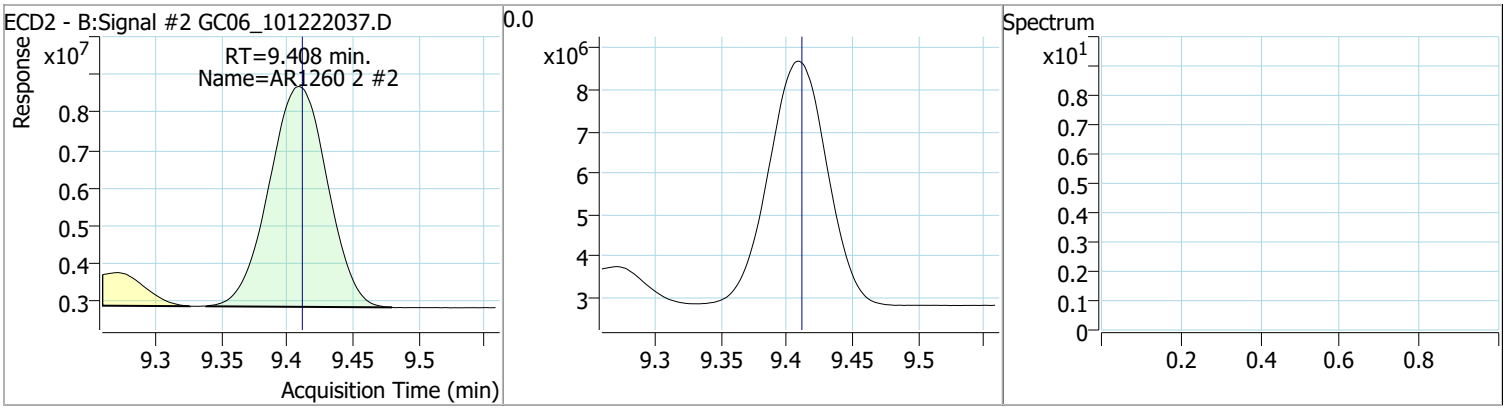
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	546.8246	8.91	0.00	5576770				



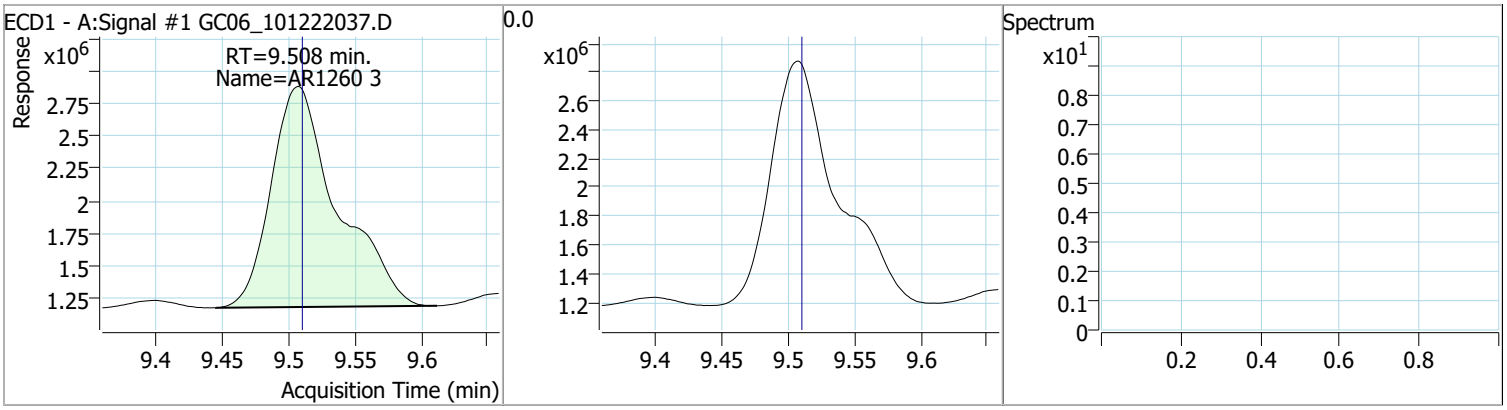
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	430.1198	8.91	0.00	15352210				



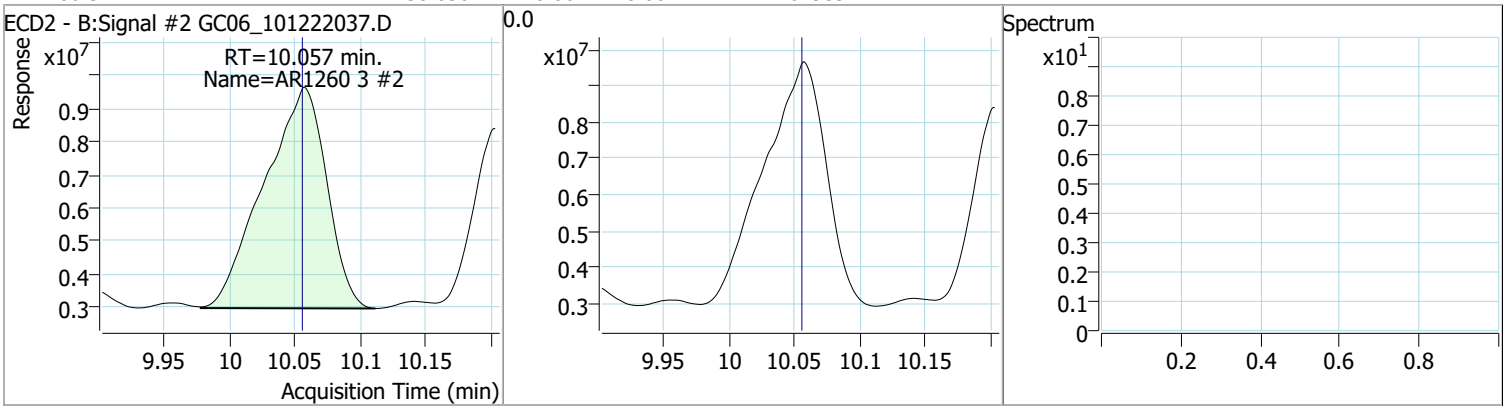
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	450.6312	9.41	0.00	18056558				



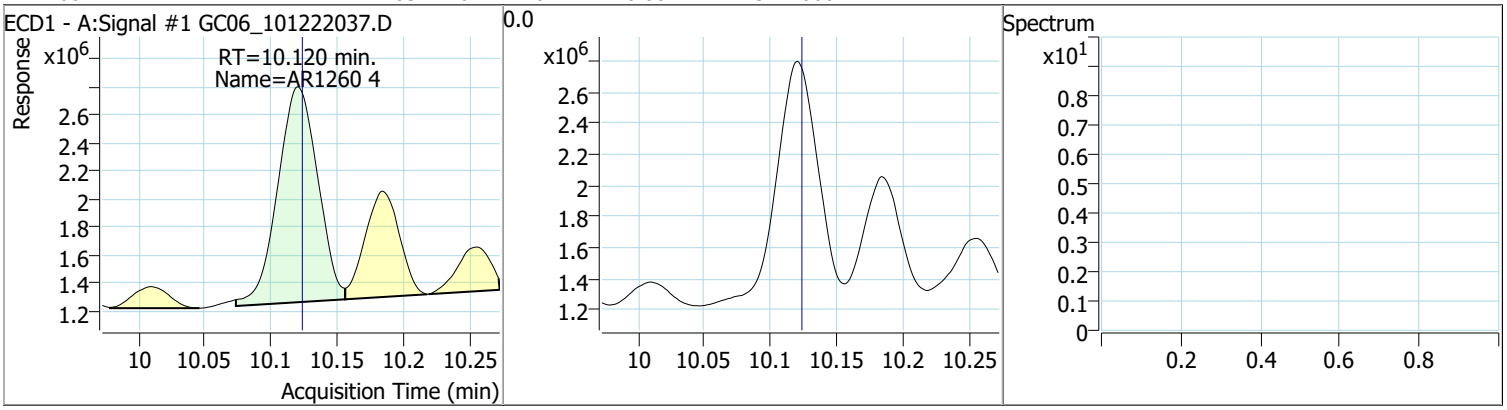
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	551.0733	9.51	0.00	5884323				



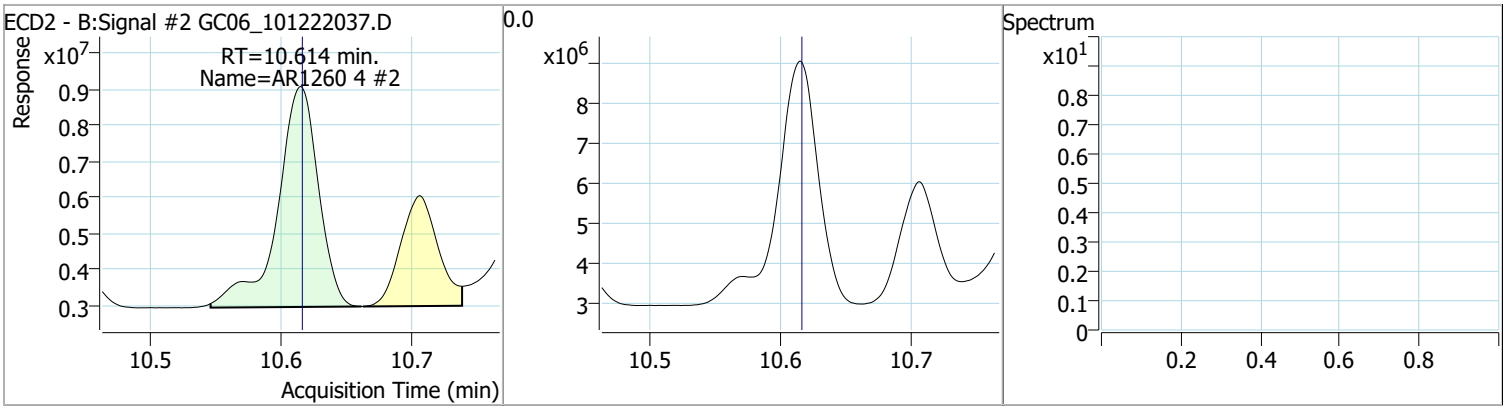
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	430.8382	10.06	0.00	22207959				



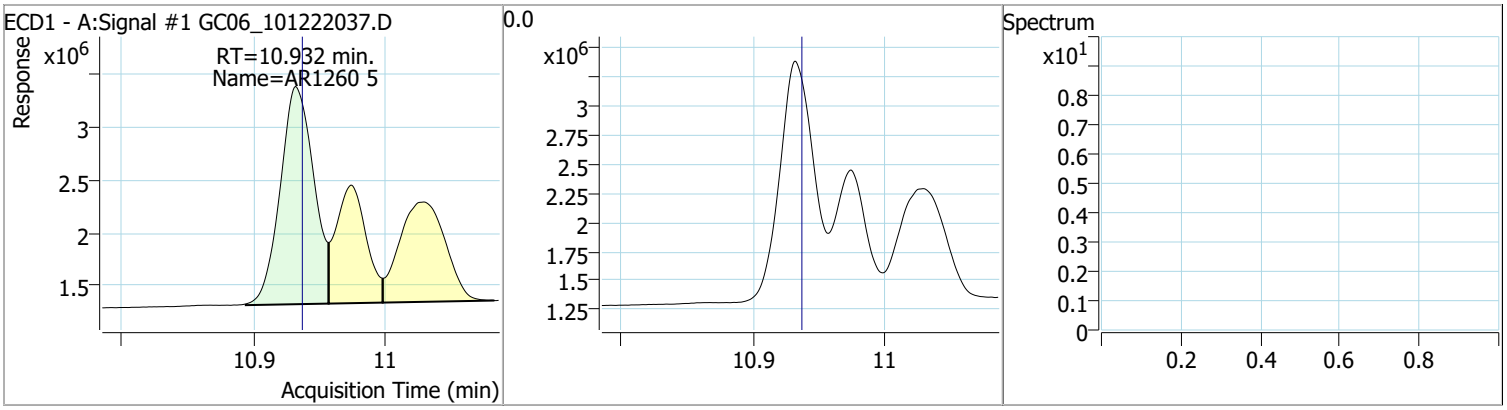
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	534.7187	10.12	0.00	3221060				



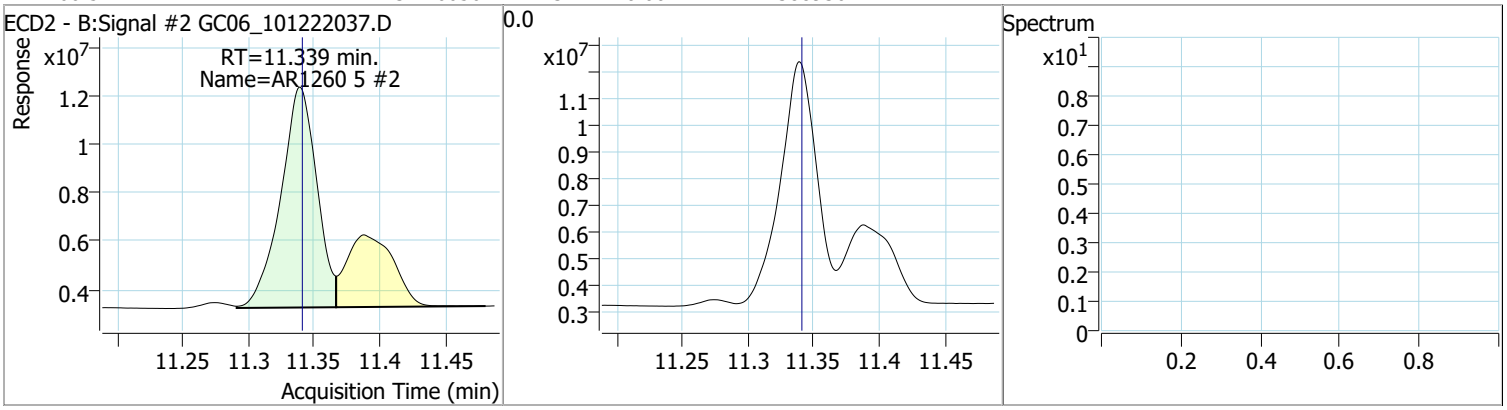
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	389.4506	10.61	0.00	13286101				



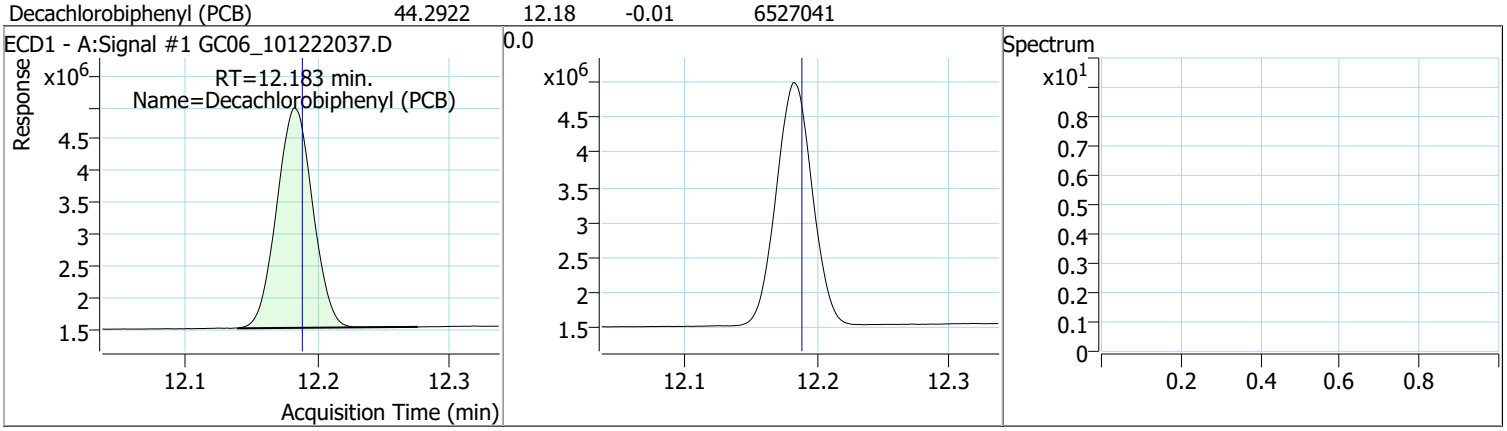
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	489.2076	10.93	0.00	3648653				



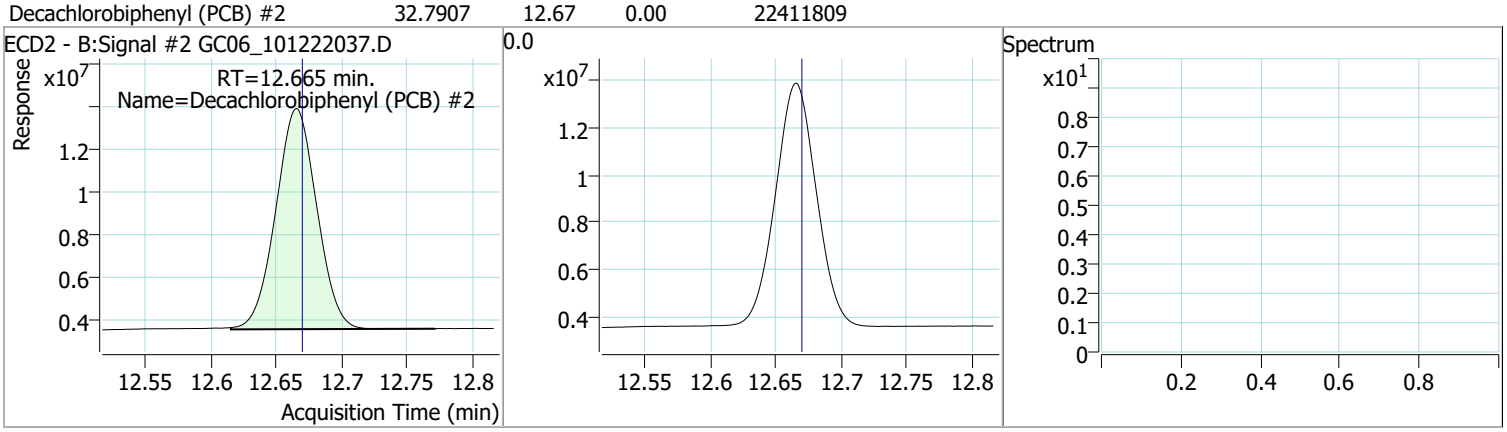
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	341.6656	11.34	0.00	17388936				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	44.2922	12.18	-0.01	6527041				

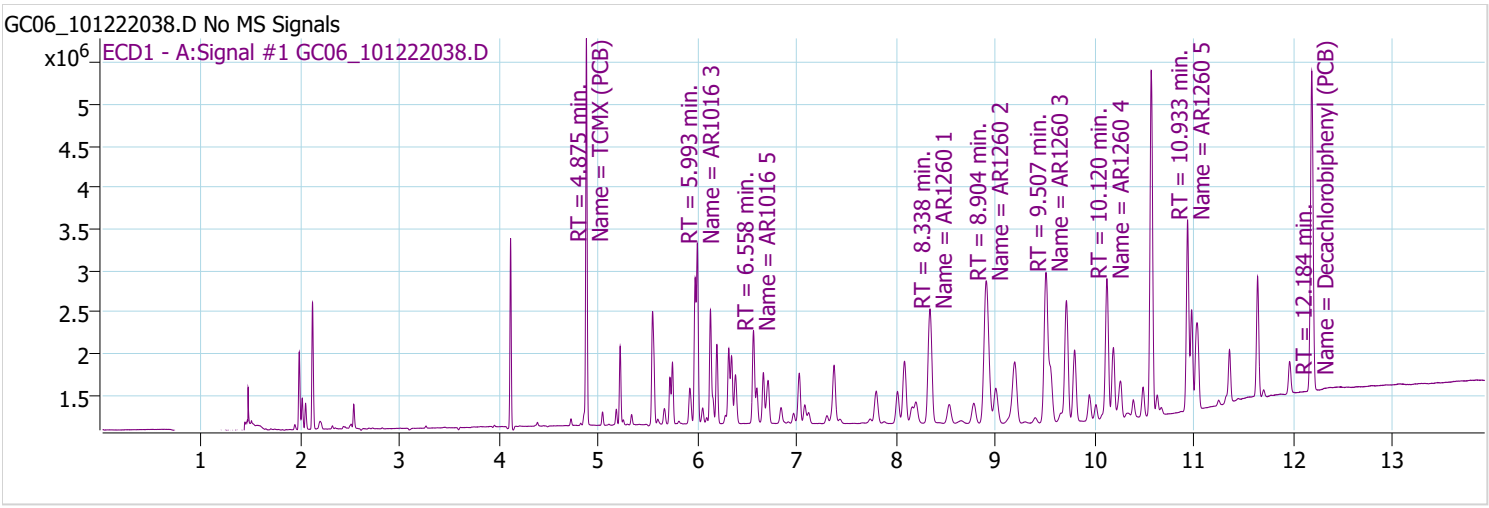


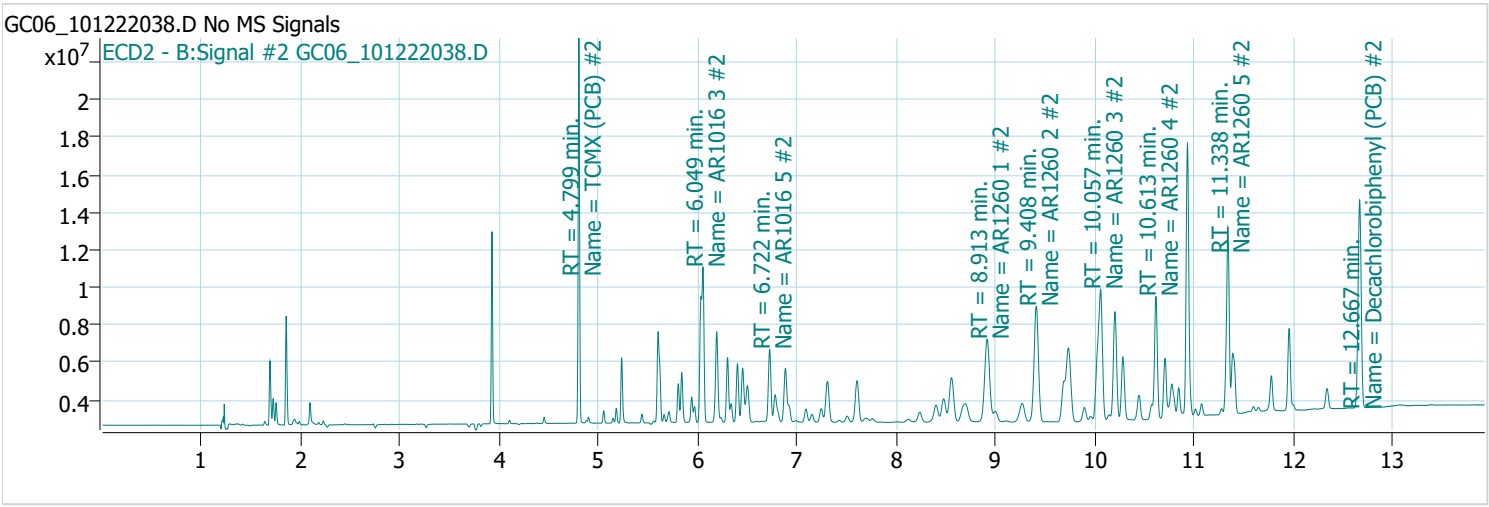
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.7907	12.67	0.00	22411809				



Quantitation Results Report (Not Reviewed)

Data File	GC06_101222038.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 7:48:04 PM
Sample Name	QC1018346, 298736, 1	Instrument	SVOA-GC06
Vial	27	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222_pcb.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



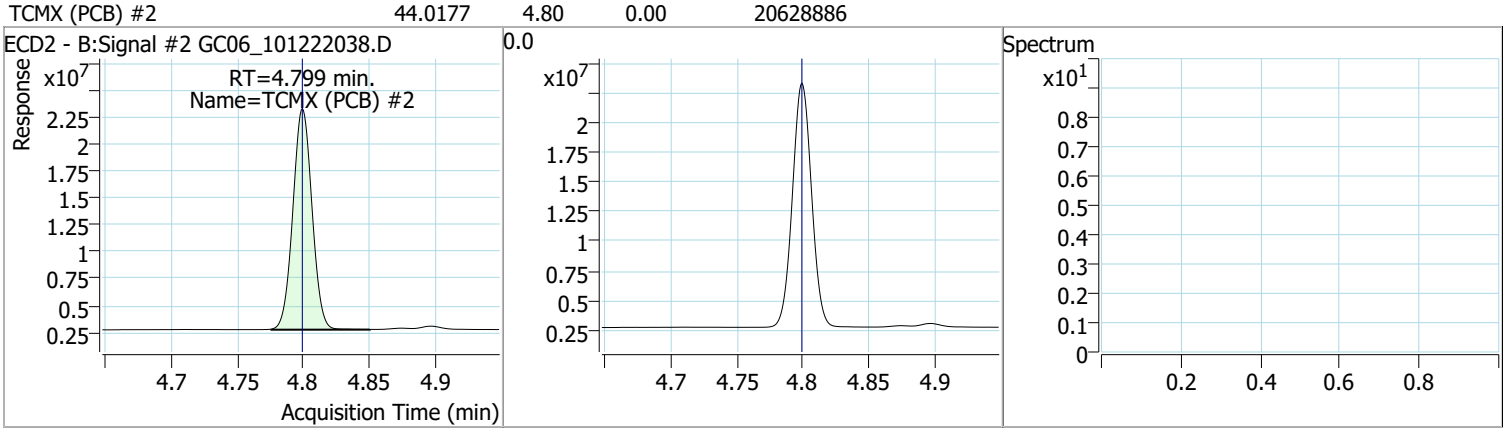


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.923	0.0	9573382.928	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.111	0.0	2065361.128	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.799	0.0	20628885.626	44.0177	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 220.09%		*	
S TCMX (PCB)	4.875	0.0	4704308.164	47.8185	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 239.09%		*	
S Decachlorobiphenyl (PCB)	12.184	0.0	7208619.455	52.0395	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 260.20%		*	
S Decachlorobiphenyl (PCB) #2	12.667	0.0	24535176.617	38.6359	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.18%		*	
Target Compounds							QValue

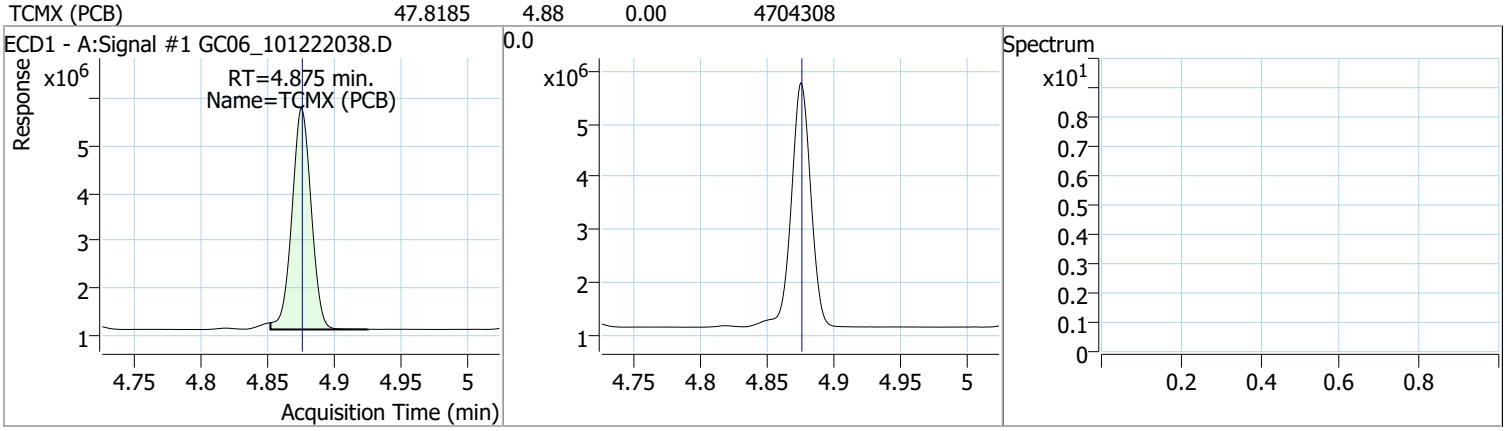
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.215	0.0	1029166.336	508.3087	ng/ml		100
T AR1016 1 #2	5.230	0.0	4209081.376	437.3834	ng/ml		100
T AR1016 2	5.543	0.0	2268866.515	524.2656	ng/ml		100
T AR1016 2 #2	5.598	0.0	9230793.243	459.9132	ng/ml		100
T AR1016 3	5.993	0.0	2791321.767	547.1573	ng/ml		100
T AR1016 3 #2	6.049	0.0	12165562.398	465.8781	ng/ml	m	100
T AR1016 4	6.125	0.0	2110381.865	549.6057	ng/ml		100
T AR1016 4 #2	6.188	0.0	8309642.718	481.6101	ng/ml		100
T AR1016 5	6.558	0.0	1734410.574	564.8137	ng/ml		100
T AR1016 5 #2	6.722	0.0	7054976.670	484.2845	ng/ml		100
T AR1260 1	8.338	0.0	3714712.728	611.4095	ng/ml		100
T AR1260 2	8.904	0.0	5803770.162	605.4044	ng/ml		100
T AR1260 1 #2	8.913	0.0	15642655.751	471.6901	ng/ml		100
T AR1260 2 #2	9.408	0.0	18749929.437	503.6325	ng/ml		100
T AR1260 3	9.507	0.0	6311988.825	628.8530	ng/ml		100
T AR1260 3 #2	10.057	0.0	23307156.715	486.6566	ng/ml		100
T AR1260 4	10.120	0.0	3428204.531	605.4290	ng/ml		100
T AR1260 4 #2	10.613	0.0	14180040.307	447.3631	ng/ml		100
T AR1260 5	10.933	0.0	3957642.541	564.5044	ng/ml		100
T AR1260 5 #2	11.338	0.0	19512729.857	412.6426	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

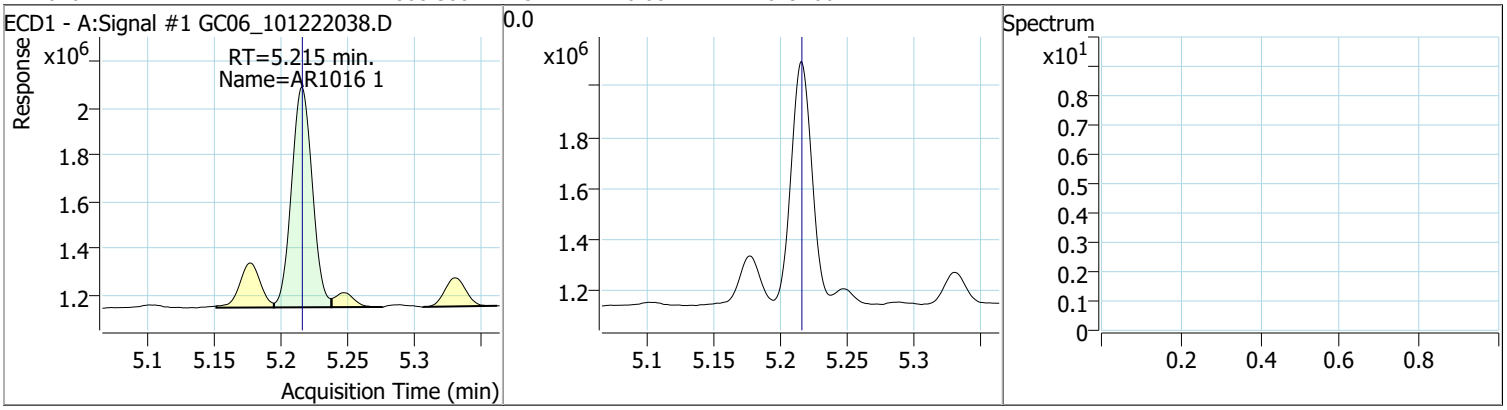
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	44.0177	4.80	0.00	20628886				



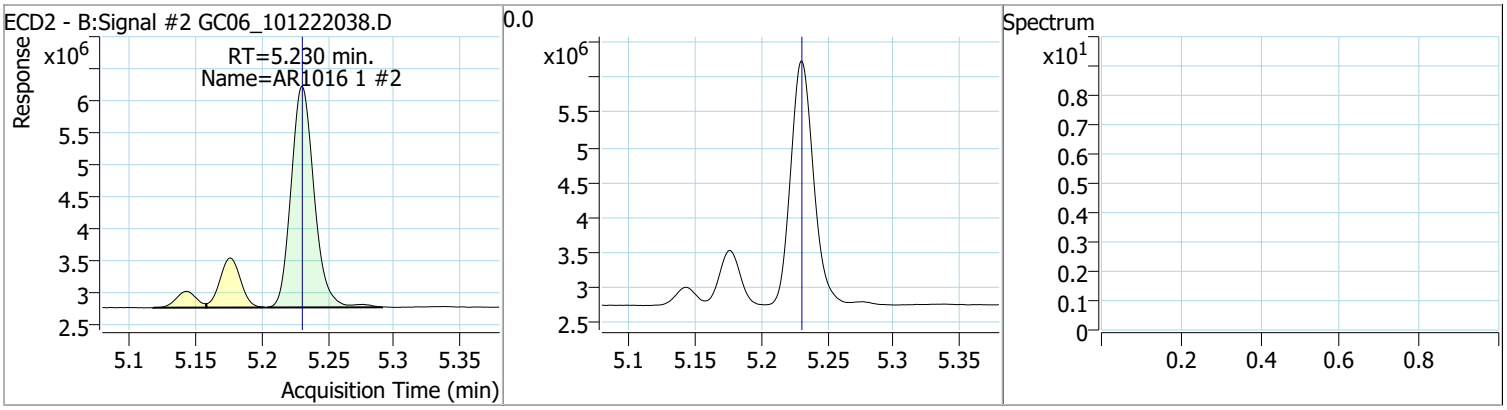
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	47.8185	4.88	0.00	4704308				



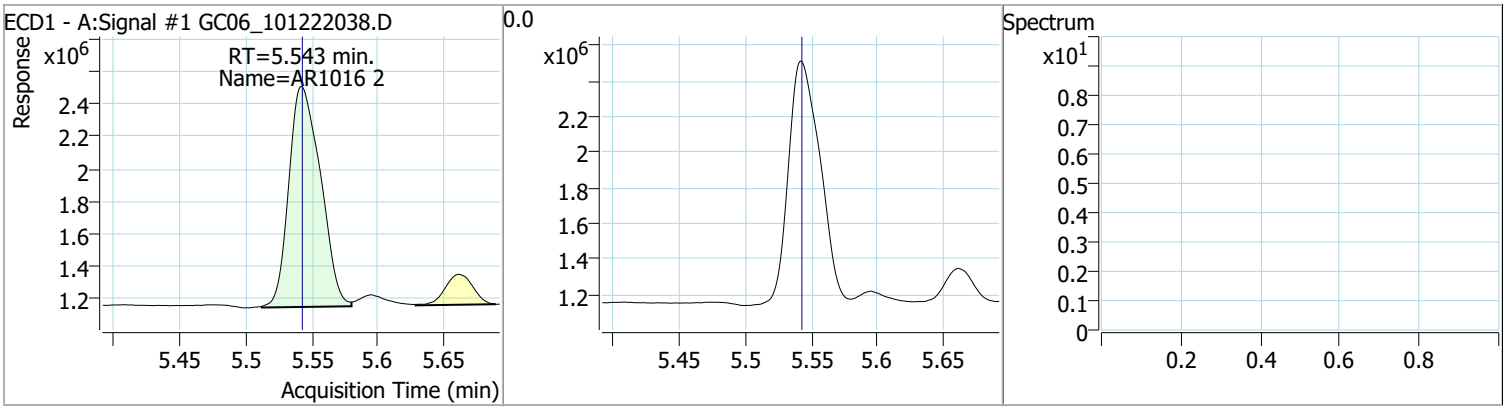
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	508.3087	5.22	0.00	1029166				



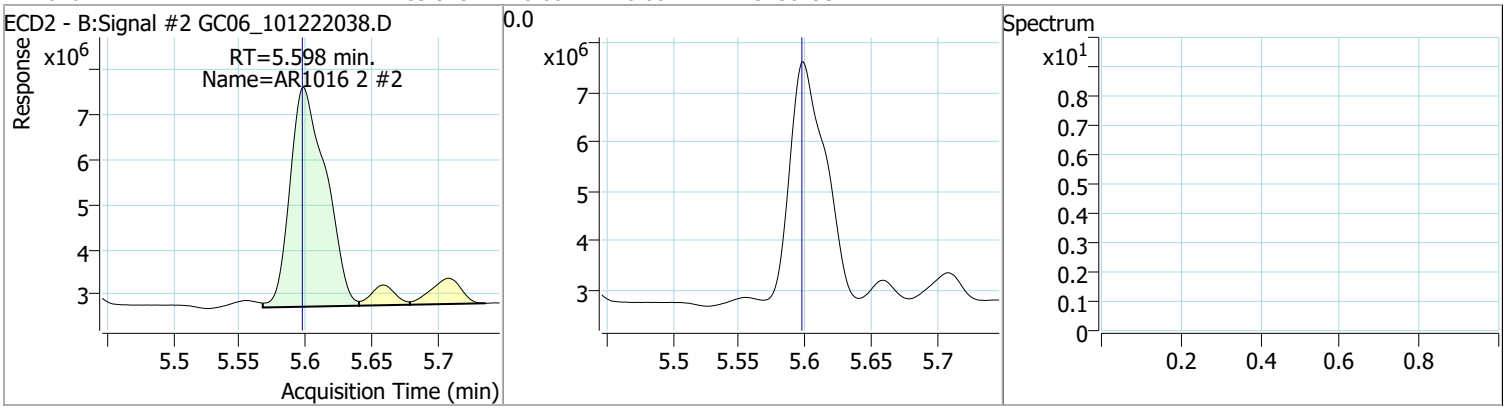
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	437.3834	5.23	0.00	4209081				



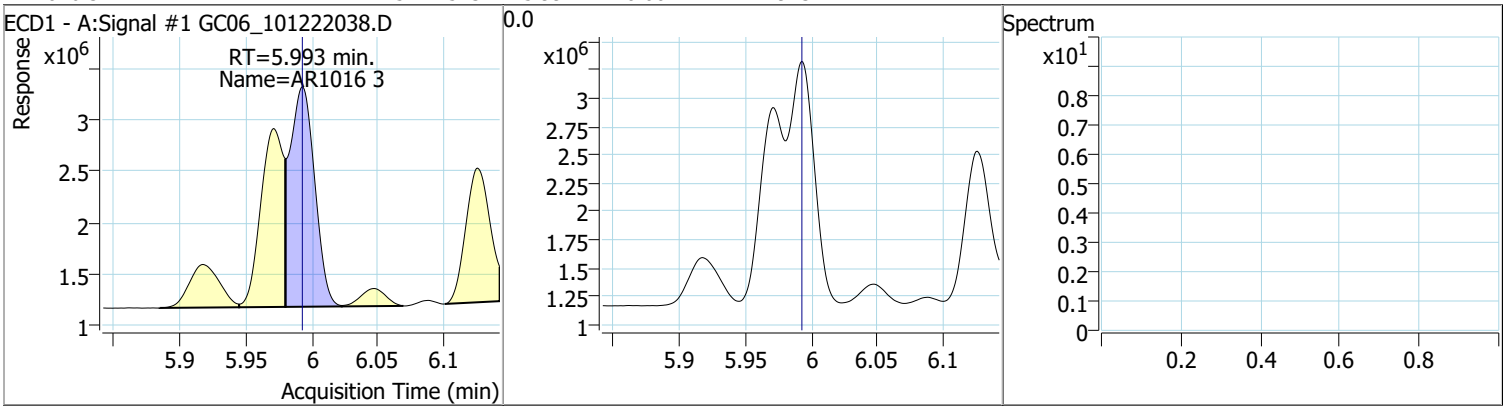
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	524.2656	5.54	0.00	2268867				



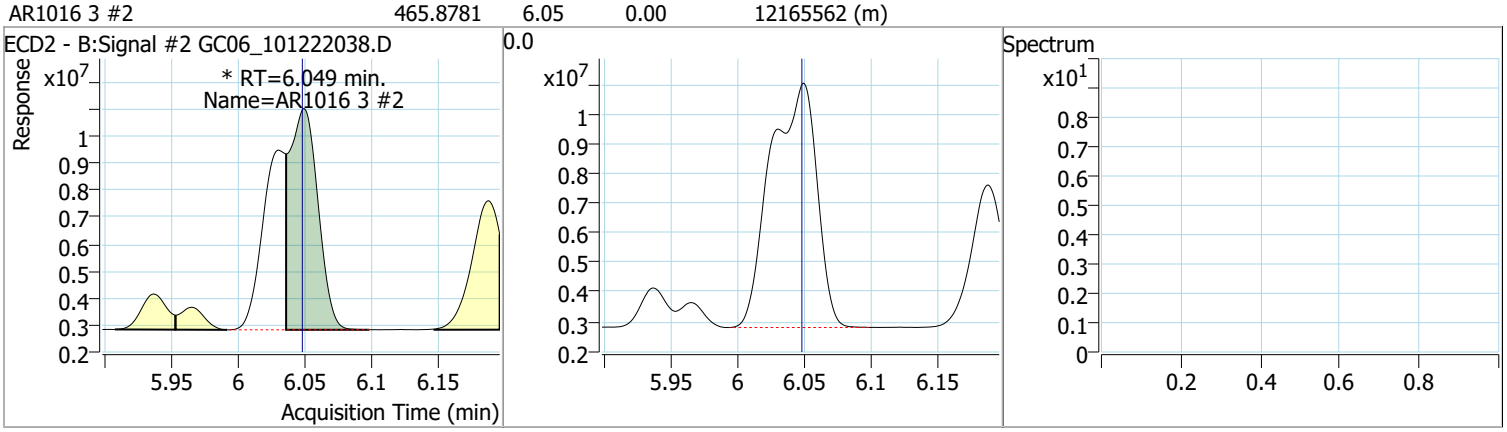
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	459.9132	5.60	0.00	9230793				



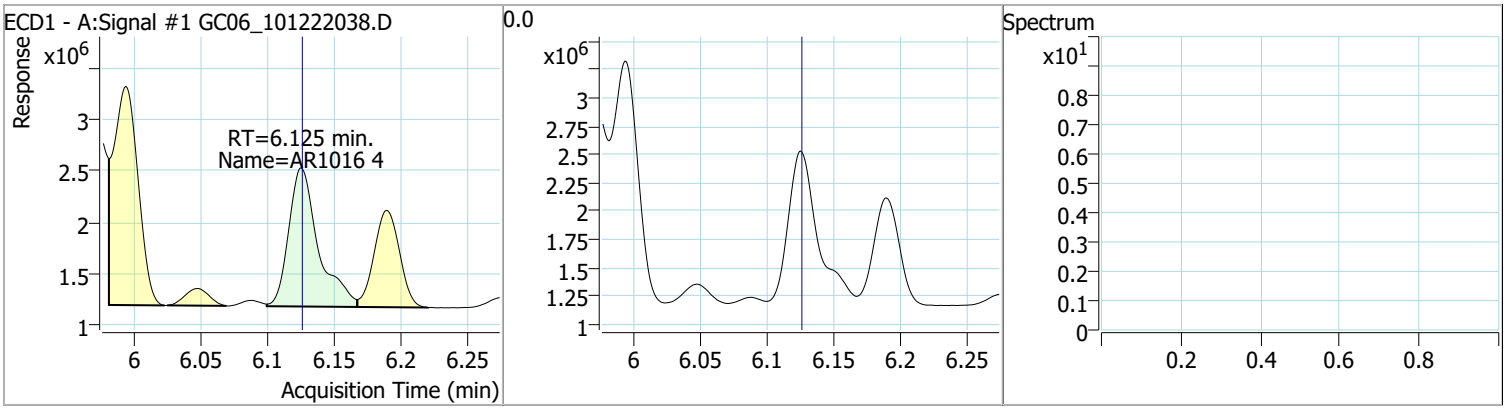
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	547.1573	5.99	0.00	2791322				



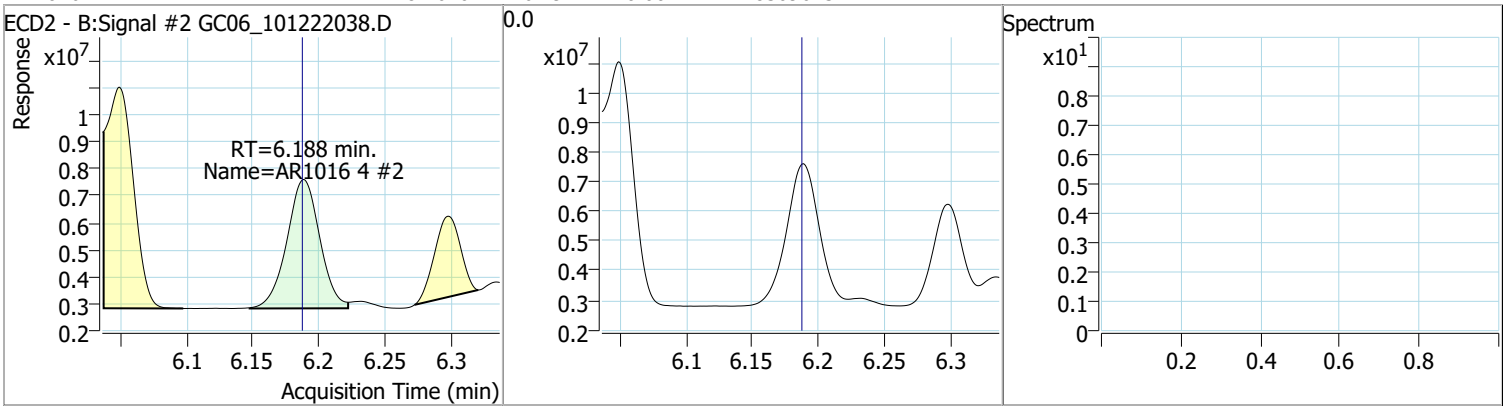
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	465.8781	6.05	0.00	12165562 (m)				



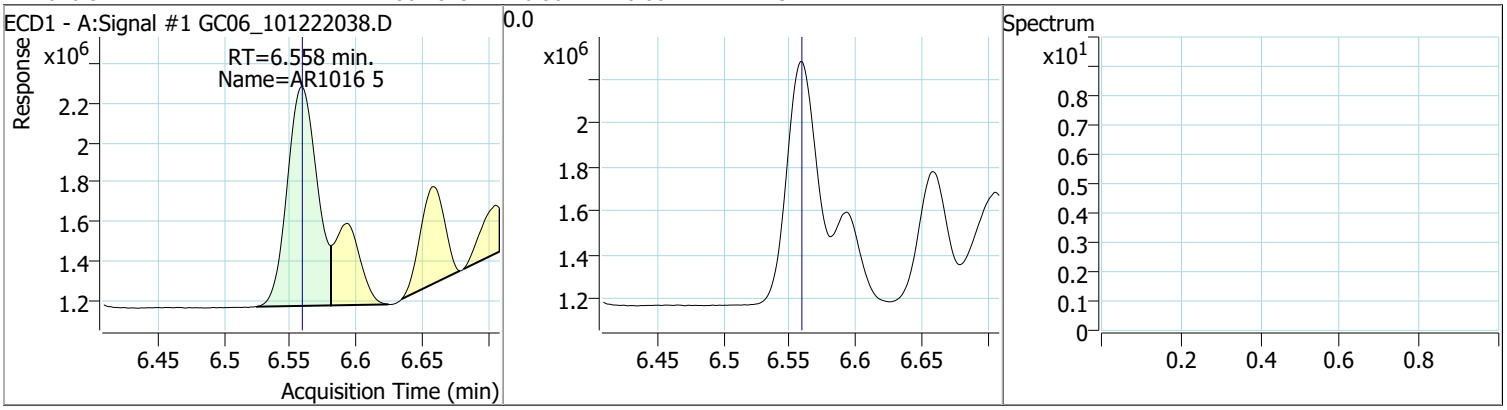
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	549.6057	6.13	0.00	2110382				



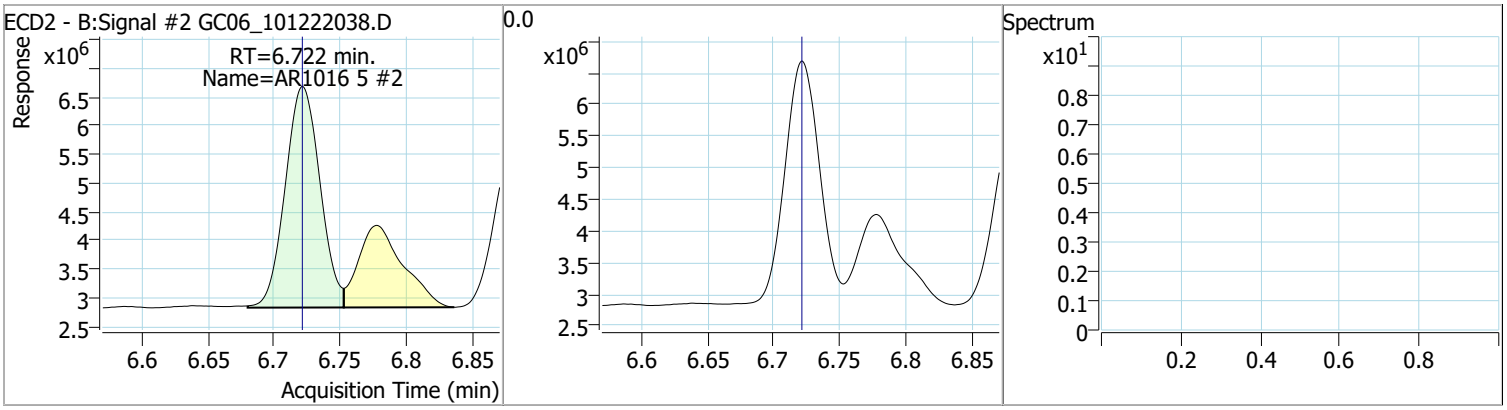
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	481.6101	6.19	0.00	8309643				



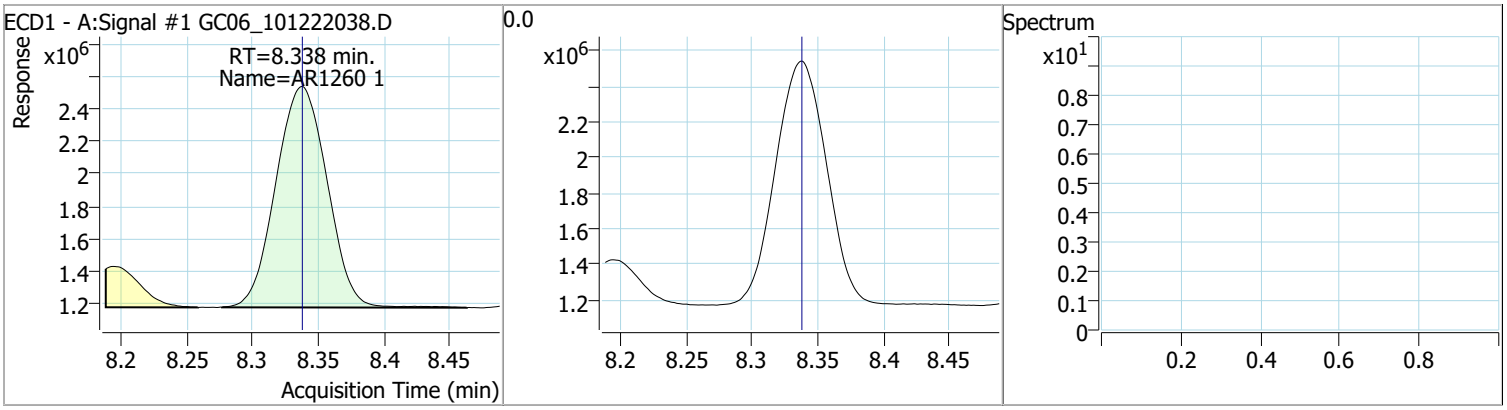
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	564.8137	6.56	0.00	1734411				



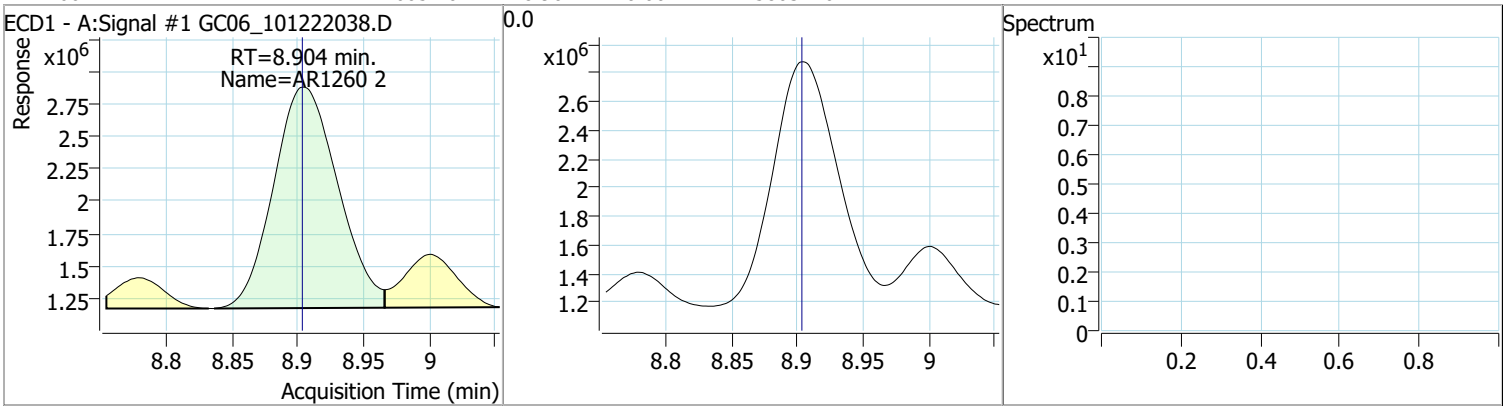
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	484.2845	6.72	0.00	7054977				



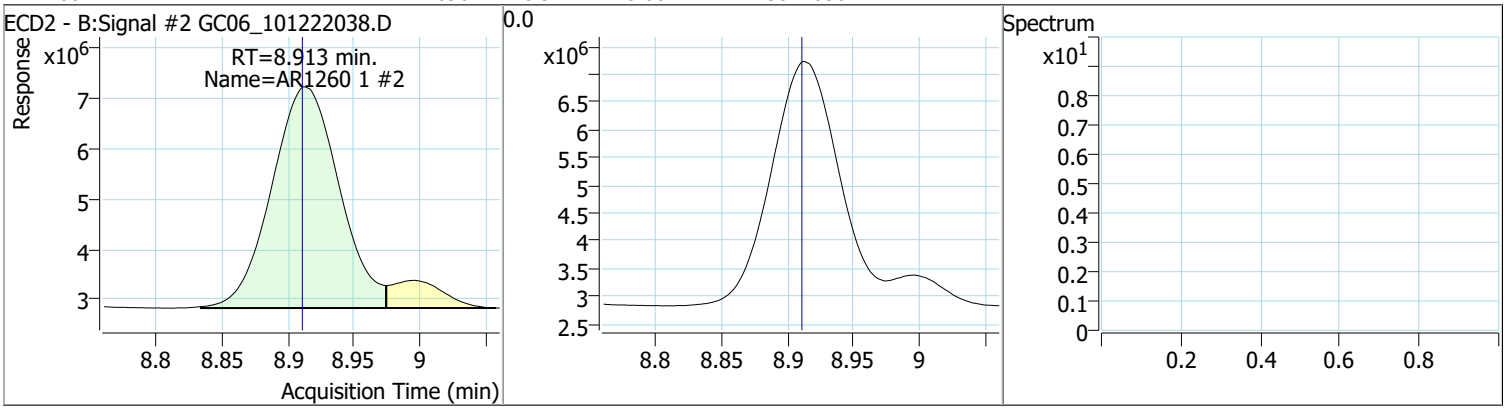
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	611.4095	8.34	0.00	3714713				



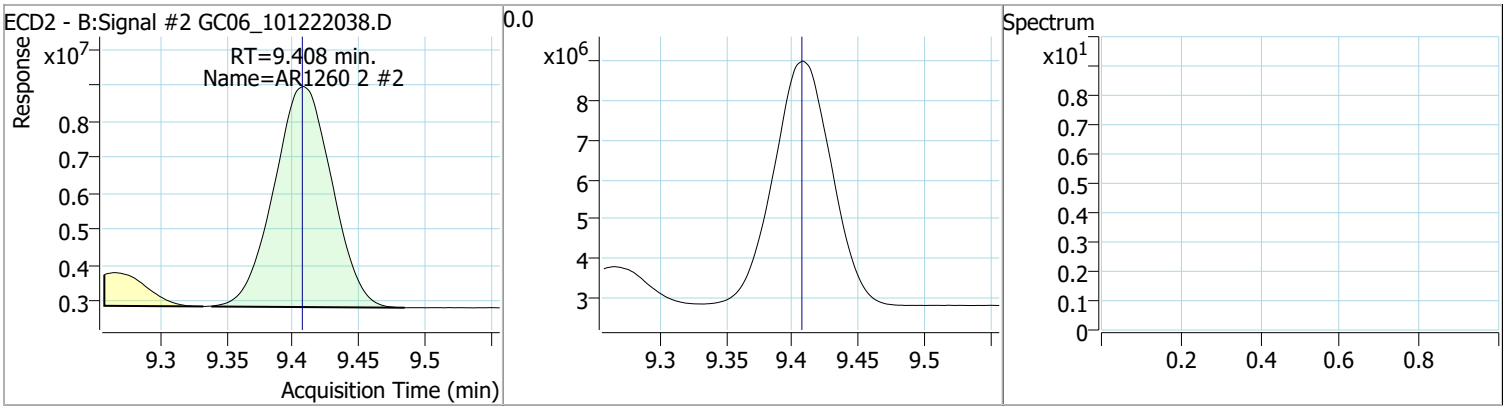
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	605.4044	8.90	0.00	5803770				



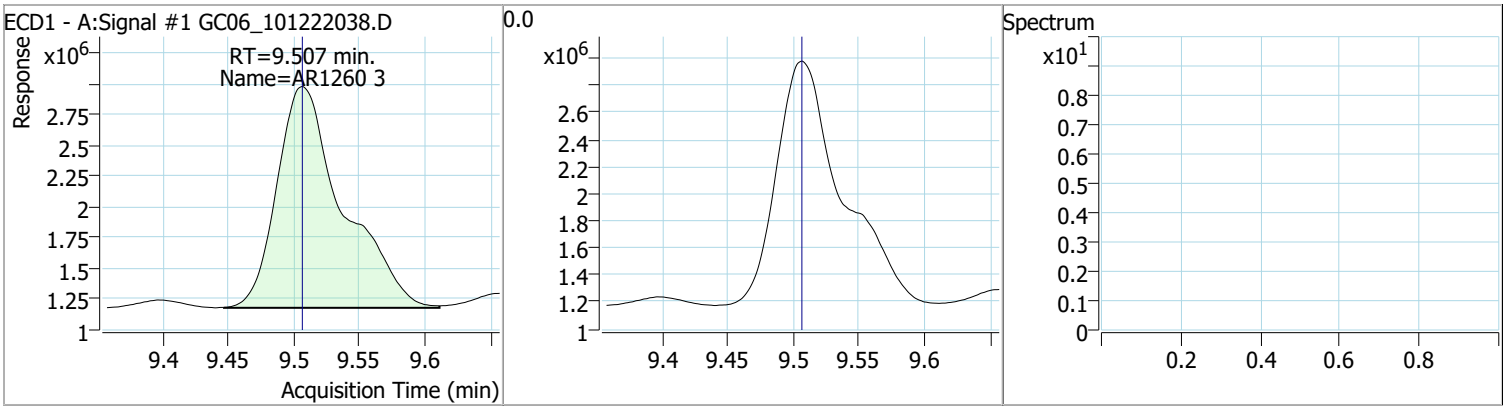
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	471.6901	8.91	0.00	15642656				



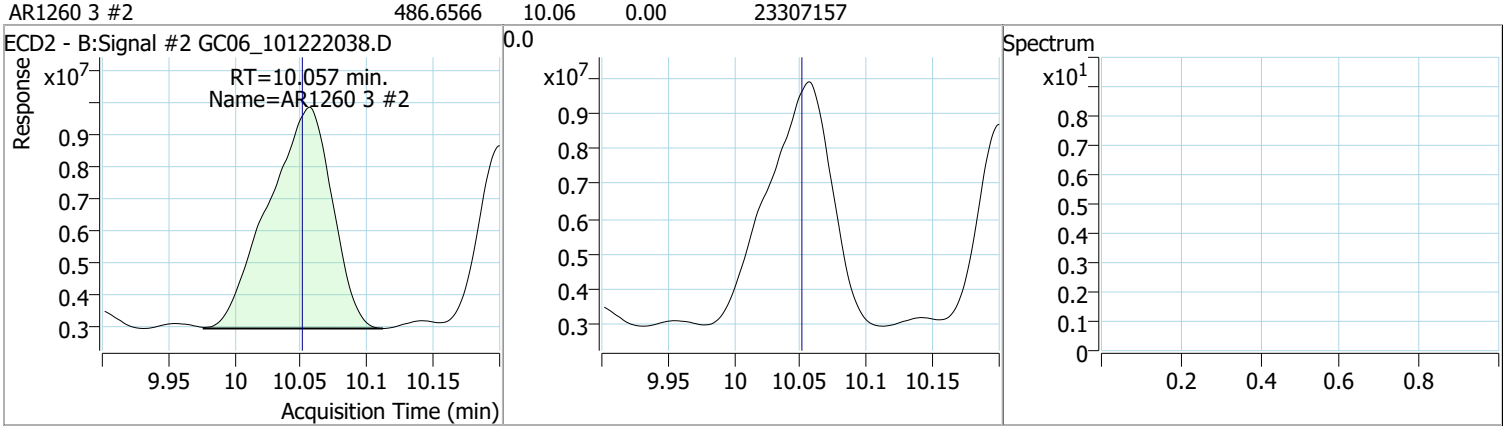
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	503.6325	9.41	0.00	18749929				



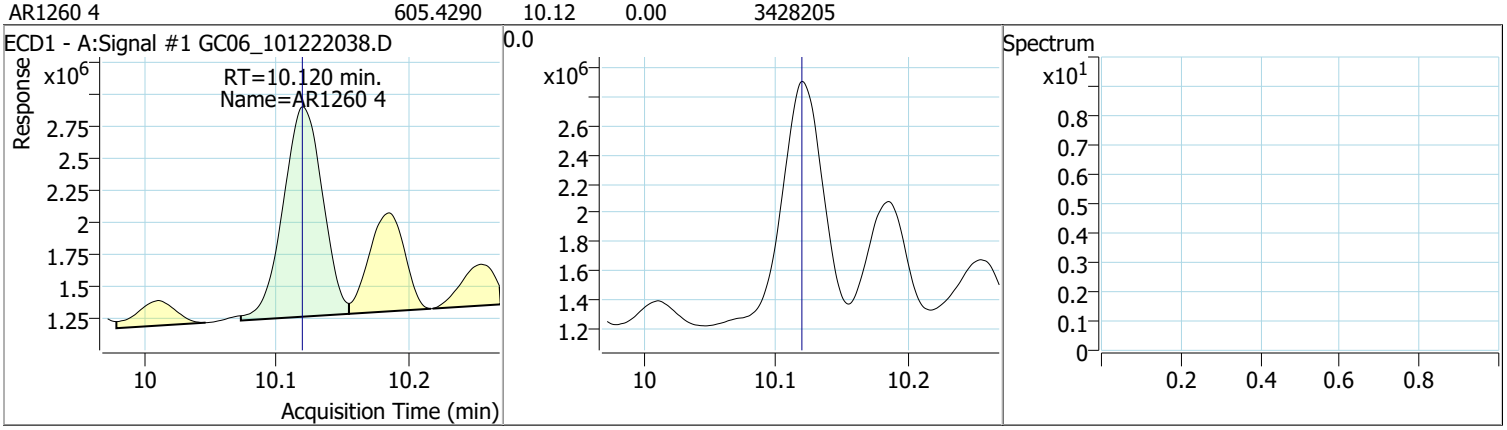
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	628.8530	9.51	0.00	6311989				



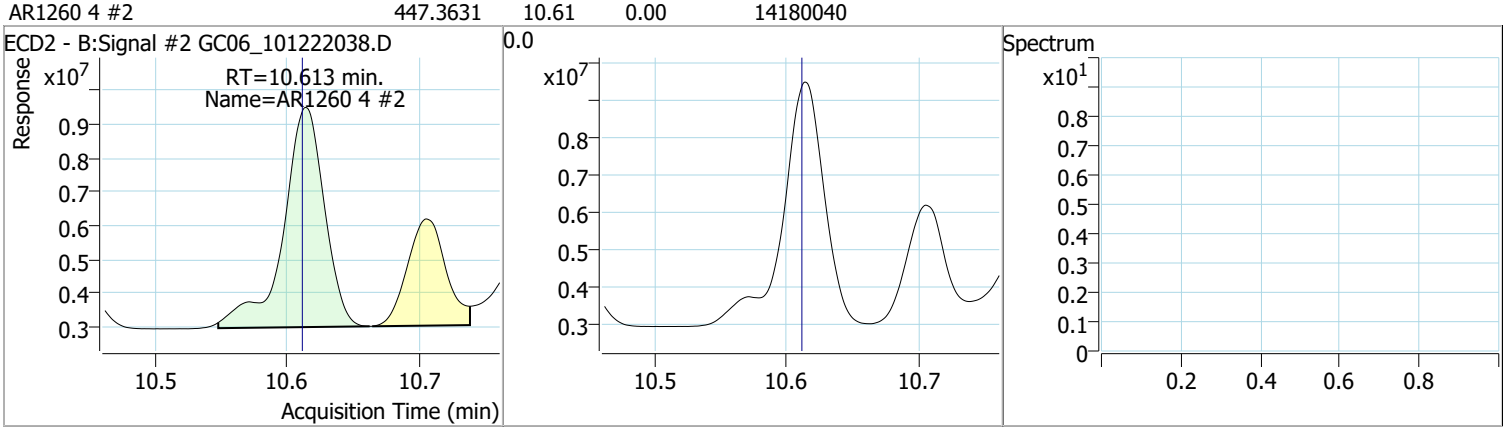
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	486.6566	10.06	0.00	23307157				



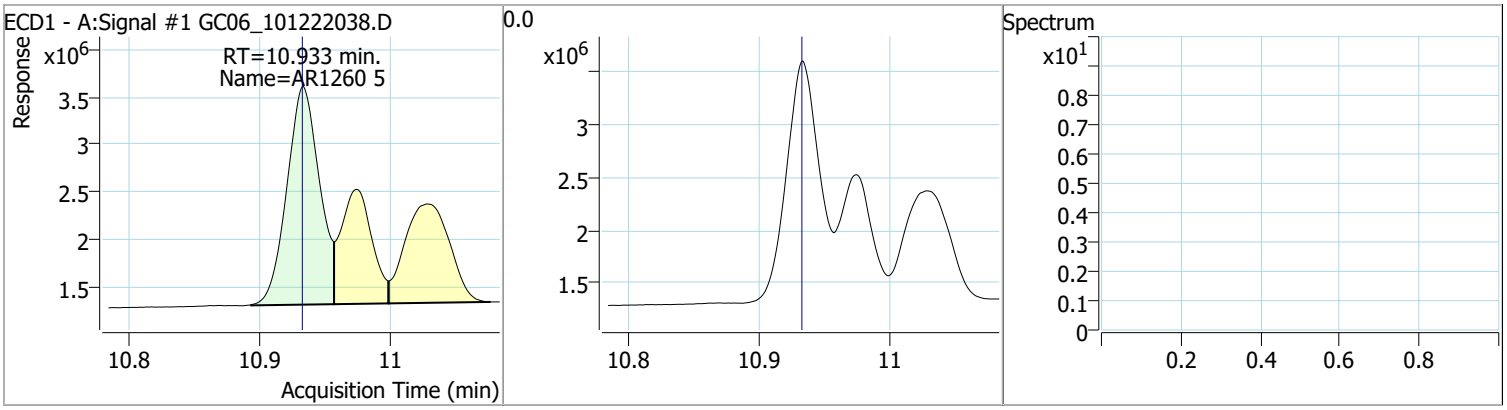
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	605.4290	10.12	0.00	3428205				



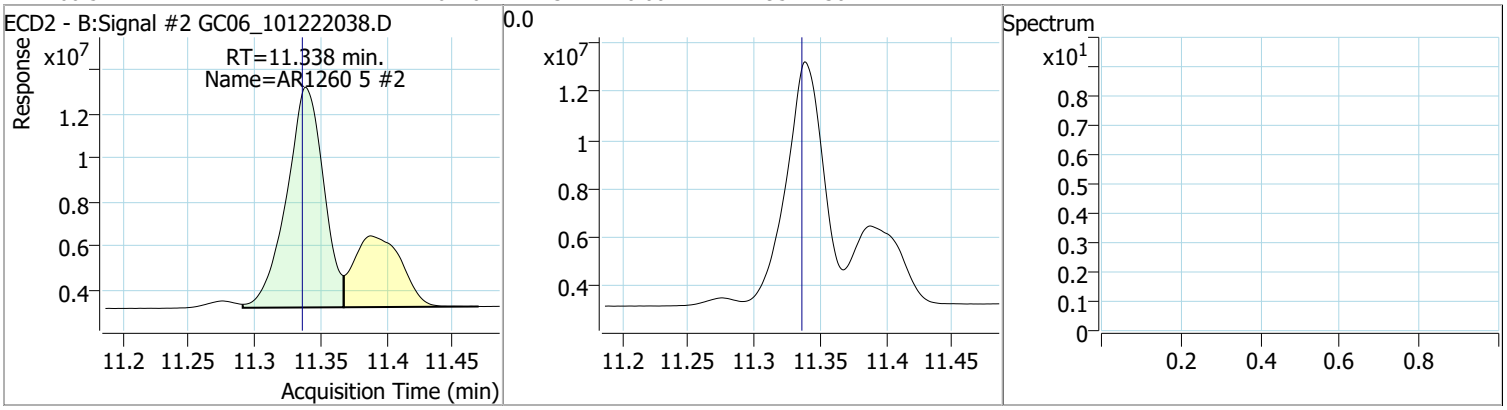
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	447.3631	10.61	0.00	14180040				



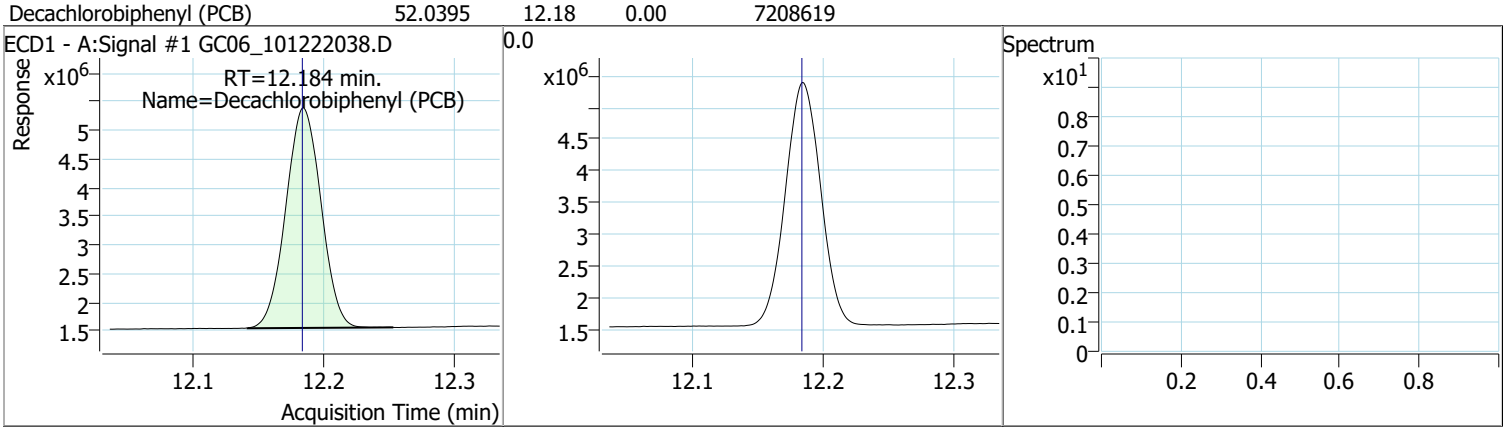
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	564.5044	10.93	0.00	3957643				



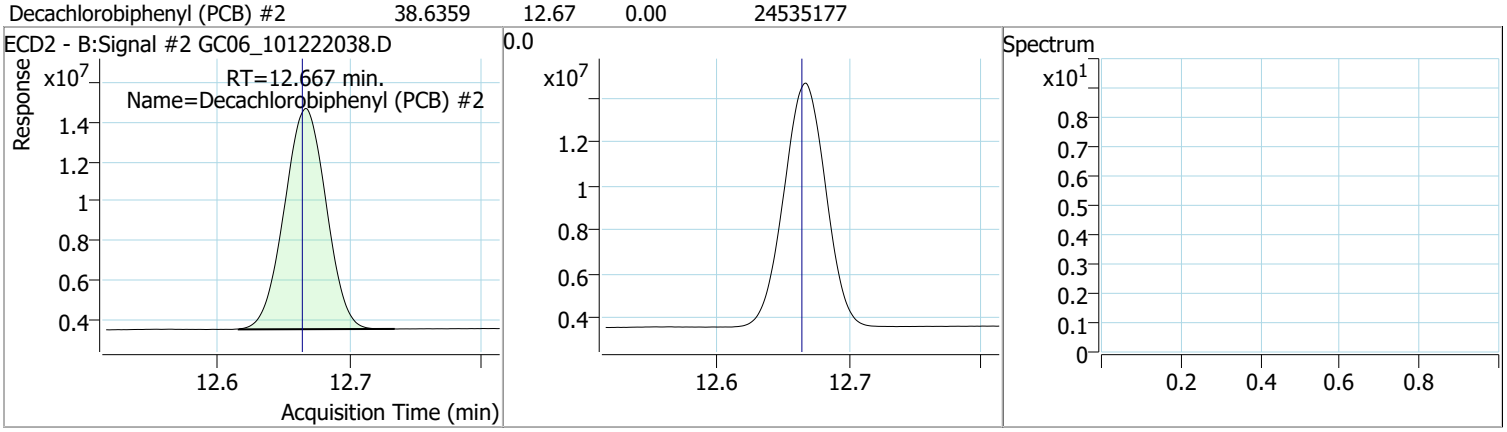
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	412.6426	11.34	0.00	19512730				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	52.0395	12.18	0.00	7208619				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.6359	12.67	0.00	24535177				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 470460 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_091322017	452369928017		14-SEP-2022 00:39	S17263
L2	gc06_091322018	452369928018		14-SEP-2022 00:57	S17264
L3	gc06_091322019	452369928019		14-SEP-2022 01:14	S17265
L4	gc06_091322020	452369928020		14-SEP-2022 01:31	S17266
L5	gc06_091322021	452369928021		14-SEP-2022 01:49	S17267
L6	gc06_091322022	452369928022		14-SEP-2022 02:06	S17268
L7	gc06_091322023	452369928023		14-SEP-2022 02:23	S17269
L8	gc06_091322024	452369928024		14-SEP-2022 02:41	S17270
L9	gc06_091322025	452369928025		14-SEP-2022 02:58	S17271

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		51.0038		0.0196	13	9	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.8618		0.0419	15	9	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		20.2424		0.0494	12	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.8937		0.0372	13	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		33.6290		0.0297	13	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.9968		0.0588	15	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.7720		0.0928	17	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		10.2883		0.0972	13	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		18.2372		0.0548	12	9	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		14.7296		0.0679	11	9	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.74549		1.3414	13	9	.99	20	
TCMX (PCB)	A	AVRG		1.04969		0.9527	7	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		49.7399		0.0201	15	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		23.8488		0.0419	14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.3303		0.0546	12	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		27.7423		0.0360	10	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		32.8575		0.0304	10	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		14.4336		0.0693	13	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		12.8571		0.0778	15	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		9.99455		0.1001	11	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		15.1012		0.0662	11	9	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		10.1225		0.0988	12	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.75376		1.3267	15	9	.99	20	
TCMX (PCB)	B	AVRG		1.02137		0.9791	5	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 470460 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF
Aroclor-1016 Peak # 1	A	0.0248	0.0210	0.0210	0.0192	0.0198	0.0184	0.0182	0.0174	0.0165
Aroclor-1016 Peak # 2	A	0.0547	0.0466	0.0451	0.0412	0.0423	0.0388	0.0378	0.0365	0.0344
Aroclor-1016 Peak # 3	A	0.0628	0.0532	0.0516	0.0474	0.0495	0.0450	0.0453	0.0453	0.0445
Aroclor-1016 Peak # 4	A	0.0479	0.0404	0.0394	0.0359	0.0376	0.0343	0.0342	0.0334	0.0315
Aroclor-1016 Peak # 5	A	0.0379	0.0318	0.0317	0.0284	0.0304	0.0276	0.0277	0.0268	0.0253
Aroclor-1260 Peak # 1	A	0.0776	0.0627	0.0640	0.0568	0.0620	0.0533	0.0535	0.0515	0.0481
Aroclor-1260 Peak # 2	A	0.1164	0.1187	0.0974	0.0873	0.0961	0.0827	0.0820	0.0807	0.0743
Aroclor-1260 Peak # 3	A	0.1261	0.1013	0.1012	0.0927	0.1016	0.0898	0.0897	0.0892	0.0830
Aroclor-1260 Peak # 4	A	0.0677	0.0578	0.0593	0.0523	0.0597	0.0504	0.0501	0.0501	0.0460
Aroclor-1260 Peak # 5	A	0.0821	0.0693	0.0718	0.0650	0.0743	0.0629	0.0625	0.0639	0.0592
Decachlorobiphenyl (PCB)	A	1.6738	1.4539	1.4576	1.2778	1.4297	1.2363	1.1981	1.2116	1.1338
TCMX (PCB)	A	1.1108	0.9412	0.9502	0.8996	0.9519	0.9126	0.9227	0.9512	0.9339
Aroclor-1016 Peak # 1	B	0.0267	0.0218	0.0210	0.0196	0.0204	0.0189	0.0185	0.0175	0.0166
Aroclor-1016 Peak # 2	B	0.0538	0.0454	0.0456	0.0417	0.0419	0.0391	0.0383	0.0369	0.0348
Aroclor-1016 Peak # 3	B	0.0684	0.0563	0.0607	0.0520	0.0536	0.0512	0.0498	0.0520	0.0469
Aroclor-1016 Peak # 4	B	0.0439	0.0364	0.0385	0.0358	0.0367	0.0343	0.0338	0.0334	0.0316
Aroclor-1016 Peak # 5	B	0.0369	0.0320	0.0323	0.0302	0.0313	0.0288	0.0284	0.0279	0.0263
Aroclor-1260 Peak # 1	B	0.0893	0.0737	0.0720	0.0677	0.0726	0.0647	0.0633	0.0624	0.0579
Aroclor-1260 Peak # 2	B	0.1010	0.0852	0.0852	0.0746	0.0800	0.0719	0.0699	0.0682	0.0642
Aroclor-1260 Peak # 3	B	0.1221	0.1035	0.1070	0.0961	0.1064	0.0938	0.0919	0.0929	0.0868
Aroclor-1260 Peak # 4	B	0.0800	0.0692	0.0700	0.0623	0.0721	0.0627	0.0613	0.0615	0.0569
Aroclor-1260 Peak # 5	B	0.1205	0.1060	0.1058	0.0940	0.1065	0.0916	0.0894	0.0909	0.0844
Decachlorobiphenyl (PCB)	B	1.7059	1.4991	1.4323	1.2655	1.3995	1.2350	1.1599	1.1578	1.0852
TCMX (PCB)	B	1.1034	0.9559	0.9540	0.9180	0.9904	0.9622	0.9739	0.9921	0.9618

ENTHALPY INITIAL CALIBRATION FOR 470460 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	**27**	50.000	7	100.00	7	250.00	-2	500.00	1	749.91	-6	1000.0	-7	1500.0	-11
Aroclor-1016 Peak # 2	A	20.000	**30**	50.000	11	100.00	8	250.00	-2	500.00	1	749.91	-7	1000.0	-10	1500.0	-13
Aroclor-1016 Peak # 3	A	20.000	**27**	50.000	8	100.00	4	250.00	-4	500.00	0	749.91	-9	1000.0	-8	1500.0	-8
Aroclor-1016 Peak # 4	A	20.000	**29**	50.000	9	100.00	6	250.00	-4	500.00	1	749.91	-8	1000.0	-8	1500.0	-10
Aroclor-1016 Peak # 5	A	20.000	**28**	50.000	7	100.00	6	250.00	-5	500.00	2	749.91	-7	1000.0	-7	1500.0	-10
Aroclor-1260 Peak # 1	A	20.000	**32**	50.000	7	100.00	9	250.00	-3	500.00	5	749.91	-9	1000.0	-9	1500.0	-13
Aroclor-1260 Peak # 2	A	20.000	**25**	50.000	**28**	100.00	5	250.00	-6	500.00	3	749.91	-11	1000.0	-12	1500.0	-13
Aroclor-1260 Peak # 3	A	20.000	**30**	50.000	4	100.00	4	250.00	-5	500.00	5	749.91	-8	1000.0	-8	1500.0	-8
Aroclor-1260 Peak # 4	A	20.000	**23**	50.000	5	100.00	8	250.00	-5	500.00	9	749.91	-8	1000.0	-9	1500.0	-9
Aroclor-1260 Peak # 5	A	20.000	**21**	50.000	2	100.00	6	250.00	-4	500.00	9	749.91	-7	1000.0	-8	1500.0	-6
Decachlorobiphenyl (PCB)	A	1.6000	**25**	4.0000	8	8.0000	9	20.000	-5	40.000	7	59.993	-8	80.000	-11	120.00	-10
TCMX (PCB)	A	1.6000	17	4.0000	-1	8.0000	0	20.000	-6	40.000	0	59.993	-4	80.000	-3	120.00	0
Aroclor-1016 Peak # 1	B	20.000	**33**	50.000	8	100.00	4	250.00	-2	500.00	1	749.91	-6	1000.0	-8	1500.0	-13
Aroclor-1016 Peak # 2	B	20.000	**28**	50.000	8	100.00	9	250.00	0	500.00	0	749.91	-7	1000.0	-9	1500.0	-12
Aroclor-1016 Peak # 3	B	20.000	**25**	50.000	3	100.00	11	250.00	-5	500.00	-2	749.91	-6	1000.0	-9	1500.0	-5
Aroclor-1016 Peak # 4	B	20.000	**22**	50.000	1	100.00	7	250.00	-1	500.00	2	749.91	-5	1000.0	-6	1500.0	-7
Aroclor-1016 Peak # 5	B	20.000	**21**	50.000	5	100.00	6	250.00	-1	500.00	3	749.91	-5	1000.0	-7	1500.0	-8
Aroclor-1260 Peak # 1	B	20.000	**29**	50.000	6	100.00	4	250.00	-2	500.00	5	749.91	-7	1000.0	-9	1500.0	-10
Aroclor-1260 Peak # 2	B	20.000	**30**	50.000	10	100.00	10	250.00	-4	500.00	3	749.91	-8	1000.0	-10	1500.0	-12
Aroclor-1260 Peak # 3	B	20.000	**22**	50.000	3	100.00	7	250.00	-4	500.00	6	749.91	-6	1000.0	-8	1500.0	-7
Aroclor-1260 Peak # 4	B	20.000	**21**	50.000	5	100.00	6	250.00	-6	500.00	9	749.91	-5	1000.0	-7	1500.0	-7
Aroclor-1260 Peak # 5	B	20.000	**22**	50.000	7	100.00	7	250.00	-5	500.00	8	749.91	-7	1000.0	-10	1500.0	-8
Decachlorobiphenyl (PCB)	B	1.6000	**29**	4.0000	13	8.0000	8	20.000	-5	40.000	5	59.993	-7	80.000	-13	120.00	-13
TCMX (PCB)	B	1.6000	13	4.0000	-2	8.0000	-3	20.000	-6	40.000	1	59.993	-2	80.000	-1	120.00	1

ENTHALPY INITIAL CALIBRATION FOR 470460 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_091322_1
Calibration #:	452369928002	Date:	14-SEP-2022 00:39
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-16
Aroclor-1016 Peak # 2	A	2000.0	-18
Aroclor-1016 Peak # 3	A	2000.0	-10
Aroclor-1016 Peak # 4	A	2000.0	-15
Aroclor-1016 Peak # 5	A	2000.0	-15
Aroclor-1260 Peak # 1	A	2000.0	-18
Aroclor-1260 Peak # 2	A	2000.0	-20
Aroclor-1260 Peak # 3	A	2000.0	-15
Aroclor-1260 Peak # 4	A	2000.0	-16
Aroclor-1260 Peak # 5	A	2000.0	-13
Decachlorobiphenyl (PCB)	A	160.00	-15
TCMX (PCB)	A	160.00	-2
Aroclor-1016 Peak # 1	B	2000.0	-17
Aroclor-1016 Peak # 2	B	2000.0	-17
Aroclor-1016 Peak # 3	B	2000.0	-14
Aroclor-1016 Peak # 4	B	2000.0	-12
Aroclor-1016 Peak # 5	B	2000.0	-14
Aroclor-1260 Peak # 1	B	2000.0	-16
Aroclor-1260 Peak # 2	B	2000.0	-18
Aroclor-1260 Peak # 3	B	2000.0	-13
Aroclor-1260 Peak # 4	B	2000.0	-14
Aroclor-1260 Peak # 5	B	2000.0	-15
Decachlorobiphenyl (PCB)	B	160.00	-18
TCMX (PCB)	B	160.00	-2

TJW 09/14/22 : Manually integrated due to baseline corrections for all channels in multiple levels

Analyst: TJW 09/14/22

Reviewer: SLL 09/14/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 470460 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_091322_1
Calnum:	452369928002	Cal Date:	14-SEP-2022

- ICV 452369928027 (gc06_091322027 14-SEP-2022) stds: S17274

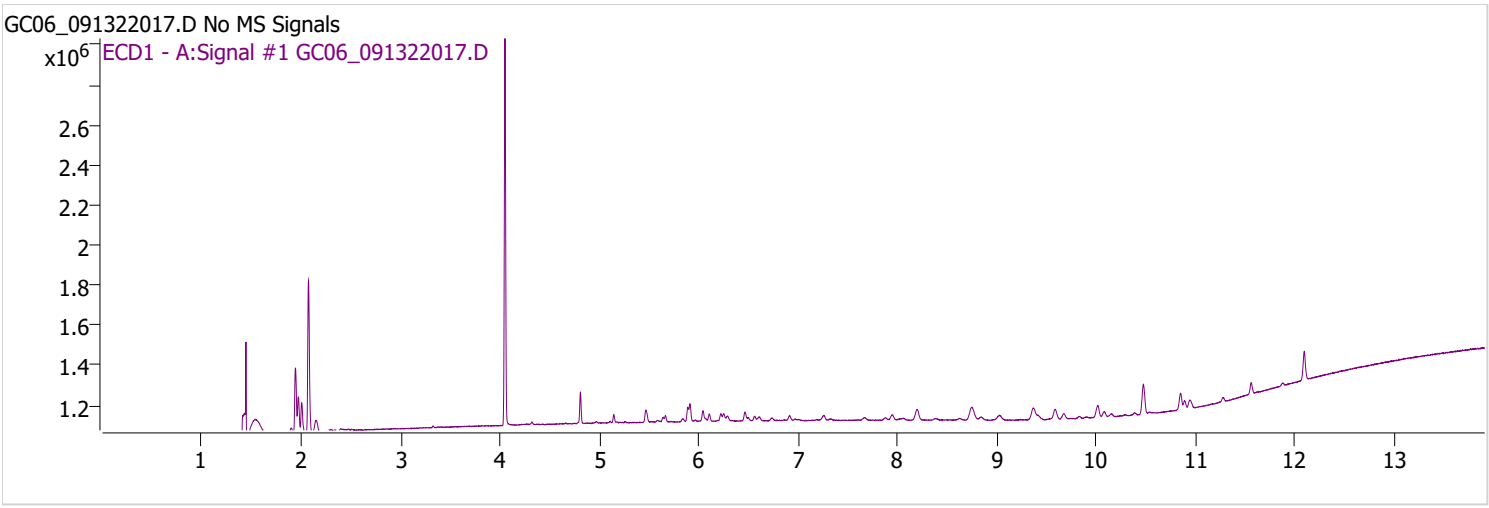
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	484.2	ug/L	-3	15	
Aroclor-1260	A	500.0	511.2	ug/L	2	15	
Aroclor-1016	B	500.0	473.6	ug/L	-5	15	
Aroclor-1260	B	500.0	479.5	ug/L	-4	15	

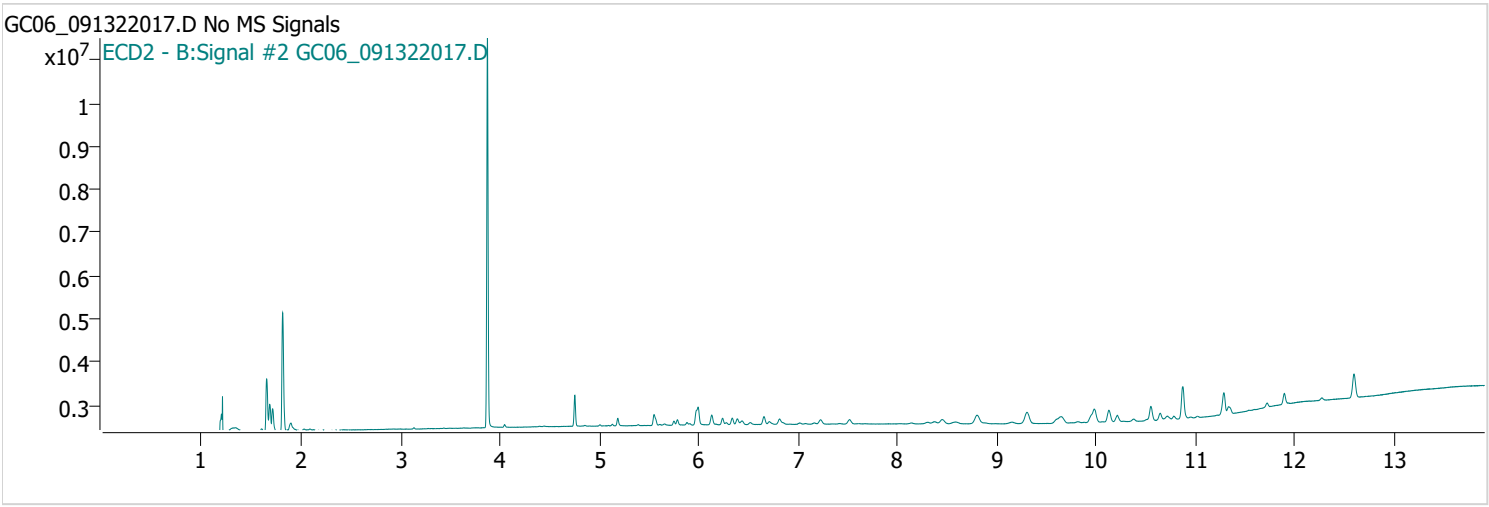
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Analyst: TJW 09/14/22 **Reviewer:** SLL 09/14/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_091322017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 12:39:45 AM
Sample Name	ICAL, S16585, 100	Instrument	SVOA-GC06
Vial	41	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



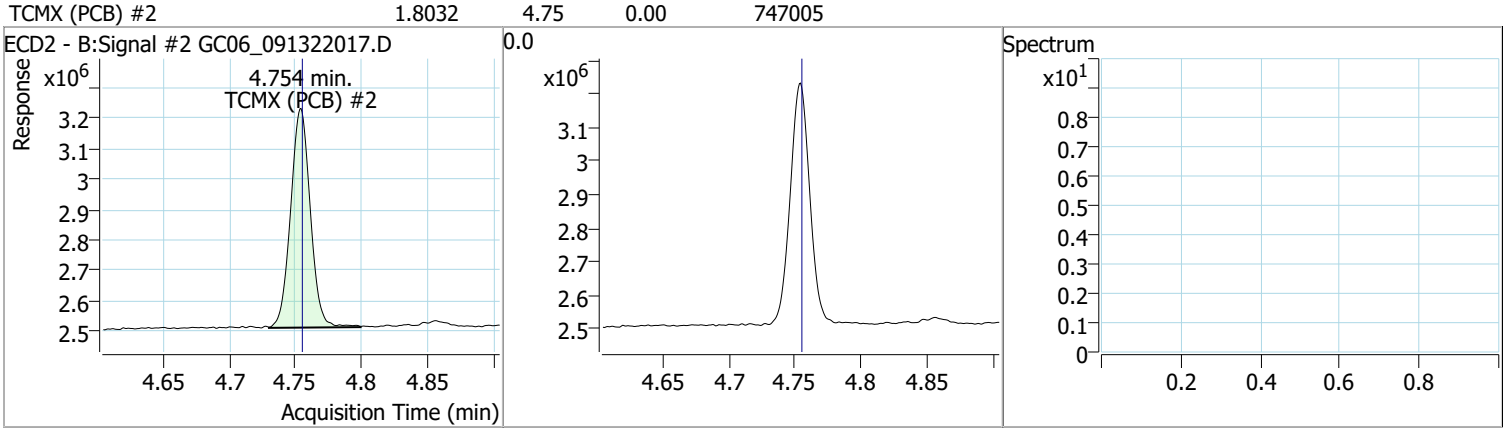


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	8462321.647	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.051	0.0	1800937.400	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	4.754	0.0	747004.804	1.8032	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.02%		*	
S TCMX (PCB)	4.811	0.0	160031.646	1.8655	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.33%		*	
S Decachlorobiphenyl (PCB)	12.097	0.0	241152.585	1.9965	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.98%		*	
S Decachlorobiphenyl (PCB) #2	12.598	0.0	1154888.185	2.0574	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.29%		*	
Target Compounds							**QValue**
T AR1016 1	5.146	0.0	44697.420	25.3176	ng/ml		100
T AR1016 1 #2	5.188	0.0	225910.833	26.5575	ng/ml		100

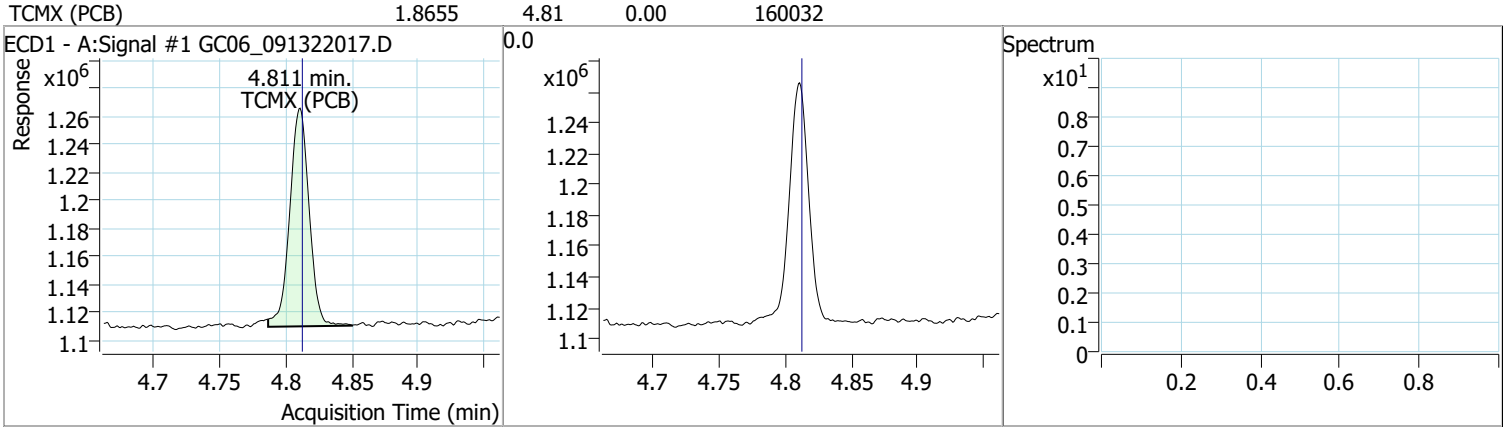
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.469	0.0	98430.955	26.0838	ng/ml		100
T AR1016 2 #2	5.552	0.0	455009.676	25.6468	ng/ml		100
T AR1016 3	5.913	0.0	113122.375	25.4301	ng/ml		100
T AR1016 3 #2	5.995	0.0	579210.161	25.0930	ng/ml	m	100
T AR1016 4	6.043	0.0	86242.390	25.7578	ng/ml		100
T AR1016 4 #2	6.132	0.0	371540.971	24.3610	ng/ml	m	100
T AR1016 5	6.467	0.0	68318.245	25.5145	ng/ml		100
T AR1016 5 #2	6.658	0.0	311919.196	24.2227	ng/ml		100
T AR1260 1	8.198	0.0	139834.239	26.3948	ng/ml		100
T AR1260 2	8.751	0.0	209624.785	25.0770	ng/ml		100
T AR1260 1 #2	8.802	0.0	756088.668	25.7926	ng/ml		100
T AR1260 2 #2	9.305	0.0	854373.025	25.9620	ng/ml		100
T AR1260 3	9.369	0.0	227145.076	25.9528	ng/ml		100
T AR1260 3 #2	9.983	0.0	1032947.202	24.3999	ng/ml		100
T AR1260 4	10.019	0.0	121927.950	24.6943	ng/ml		100
T AR1260 4 #2	10.553	0.0	677388.133	24.1767	ng/ml	m	100
T AR1260 5	10.851	0.0	147786.185	24.1747	ng/ml		100
T AR1260 5 #2	11.287	0.0	1019538.857	24.3913	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

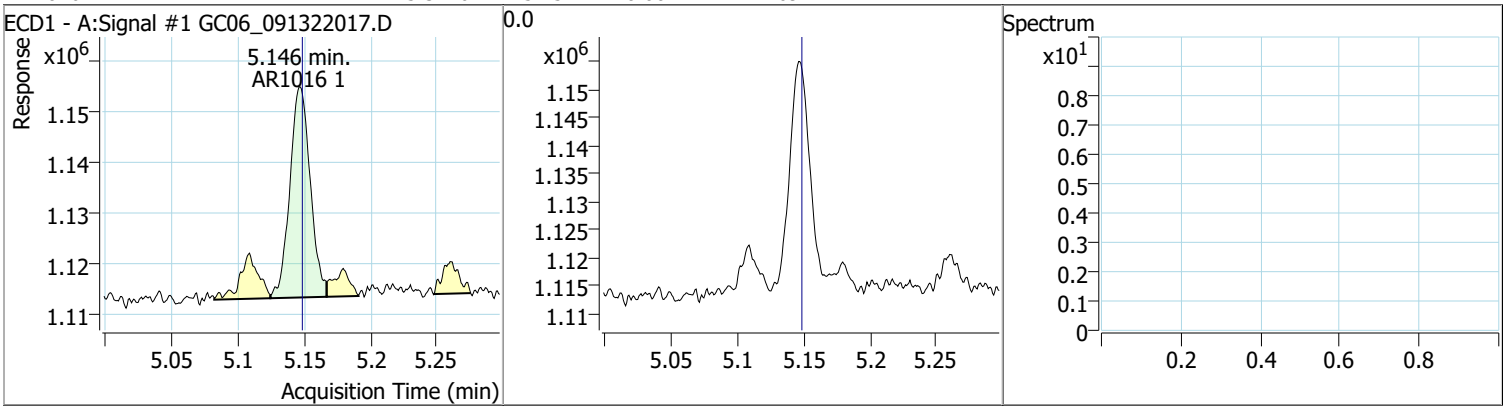
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.8032	4.75	0.00	747005				



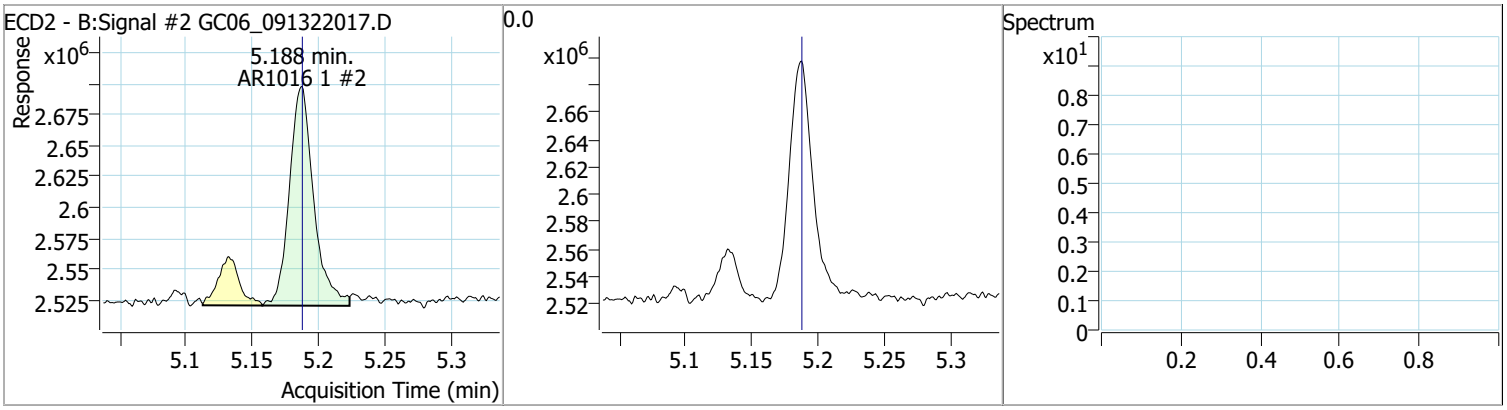
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8655	4.81	0.00	160032				



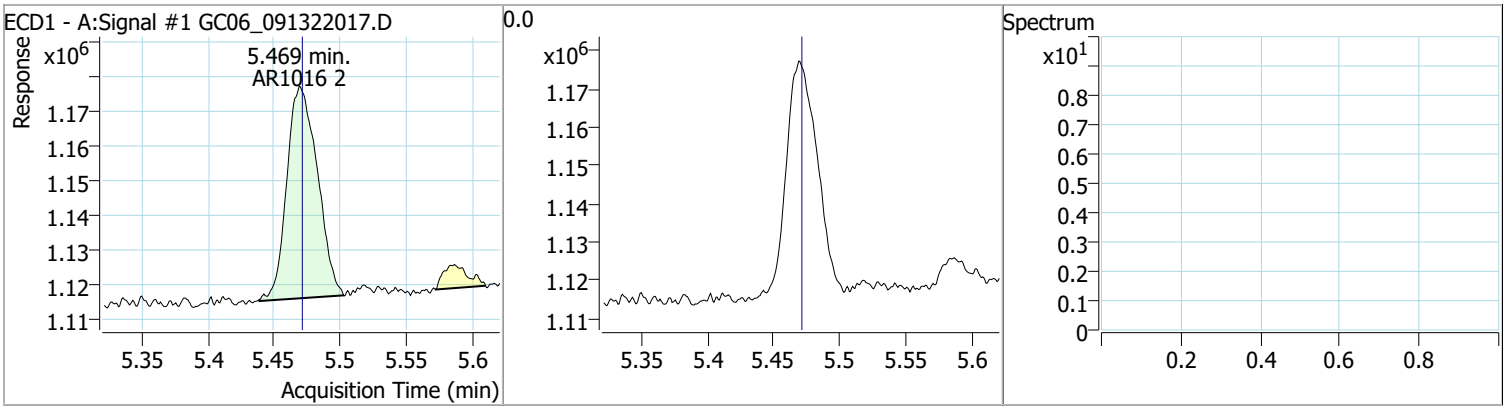
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	25.3176	5.15	0.00	44697				



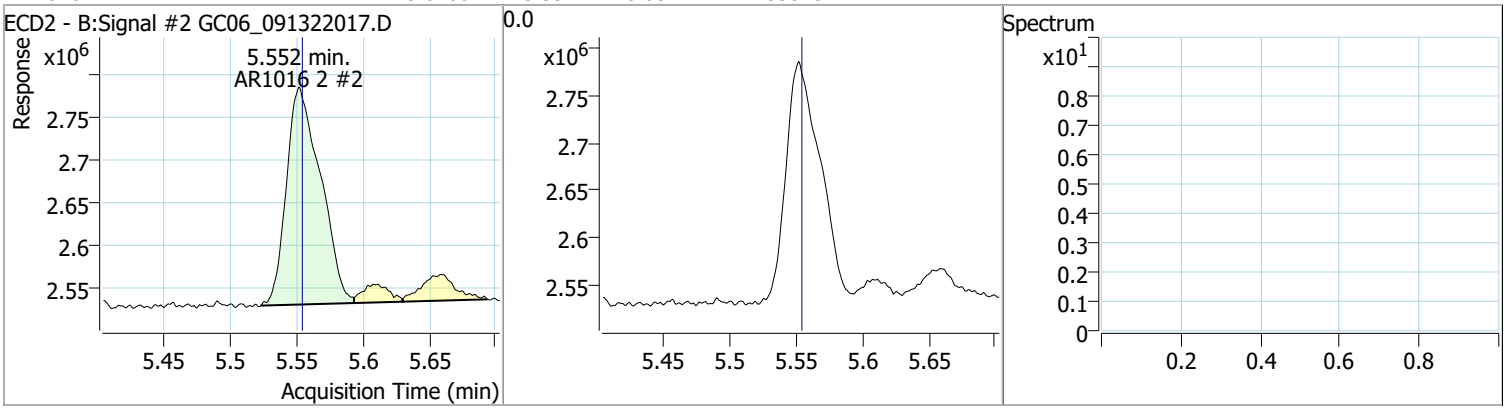
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	26.5575	5.19	0.00	225911				



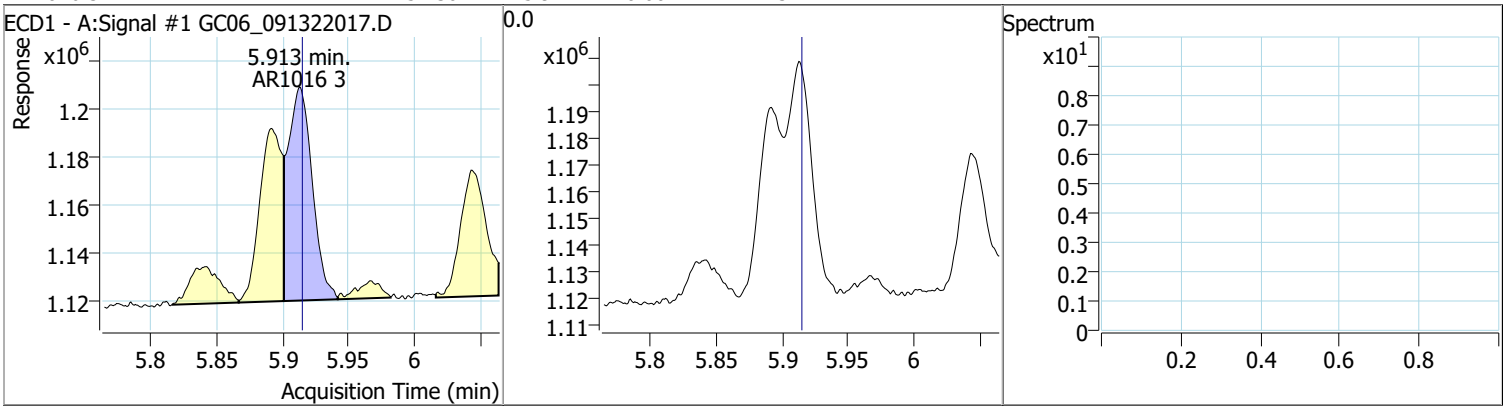
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	26.0838	5.47	0.00	98431				



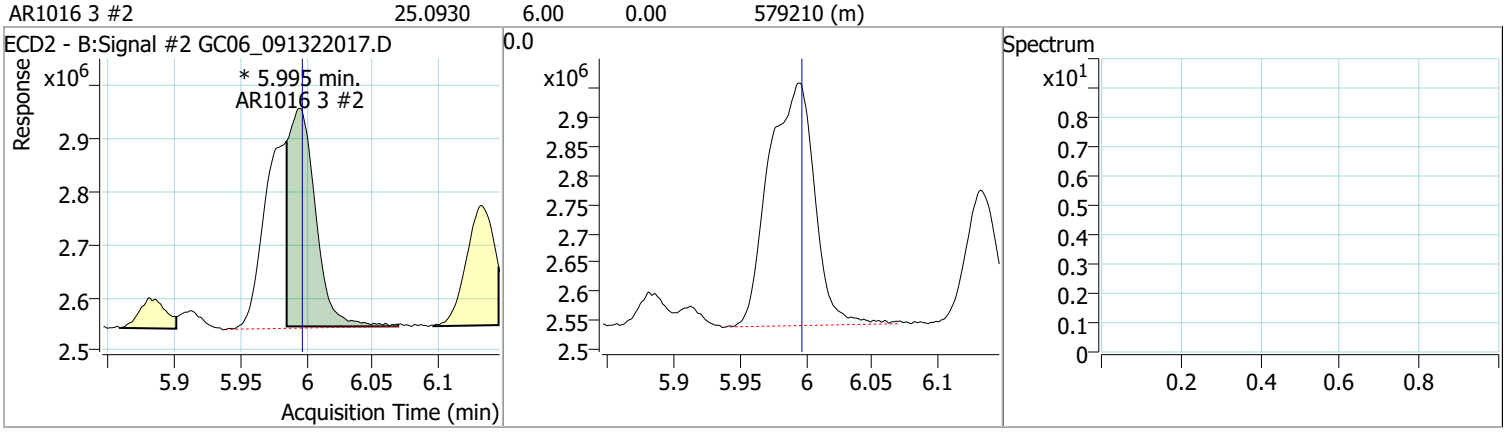
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	25.6468	5.55	0.00	455010				



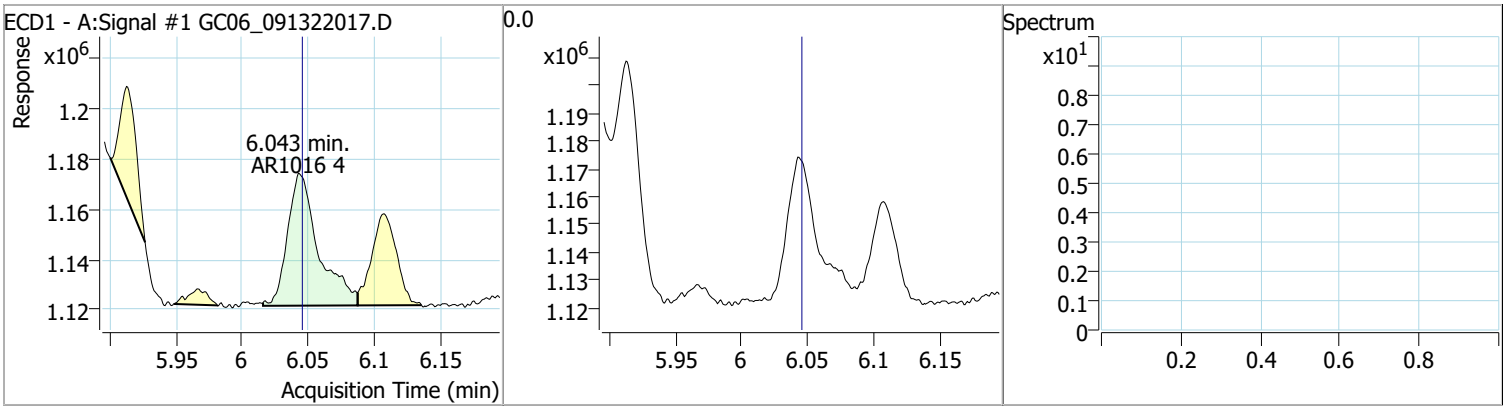
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	25.4301	5.91	0.00	113122				



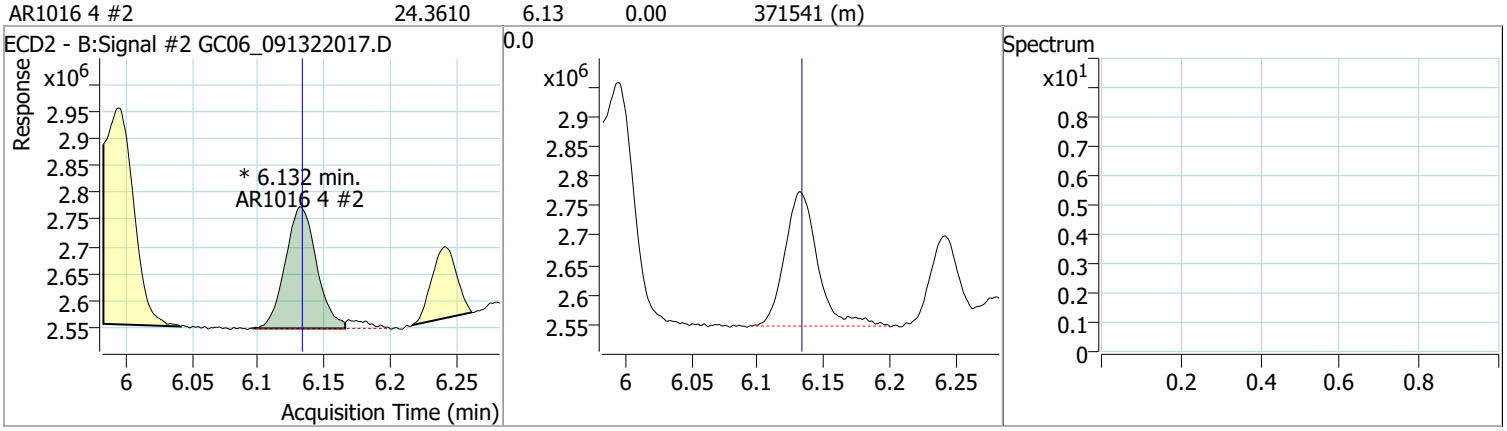
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AR1016 3 #2	25.0930	6.00	0.00	579210 (m)				



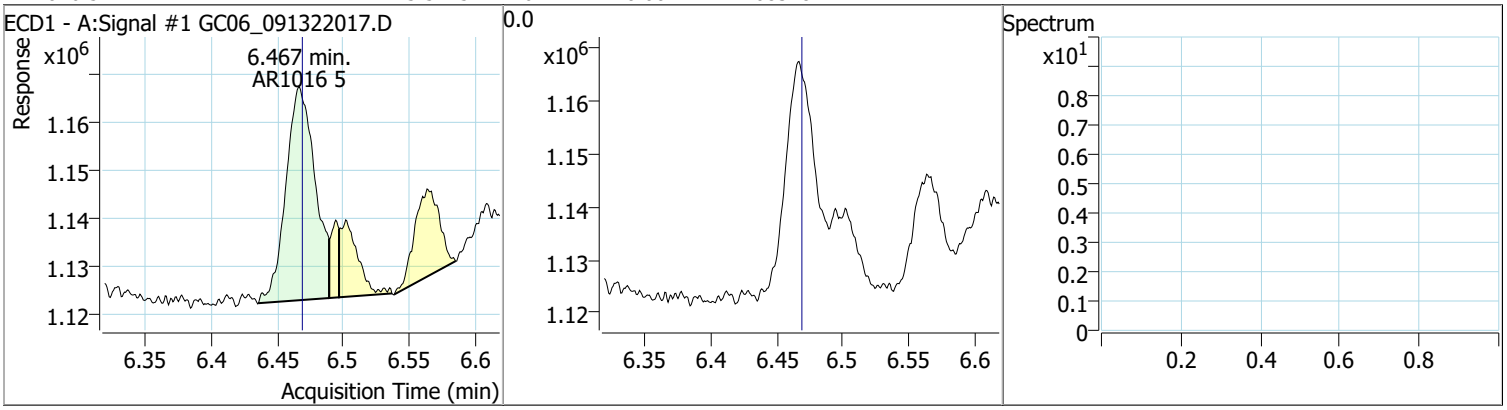
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	25.7578	6.04	0.00	86242				



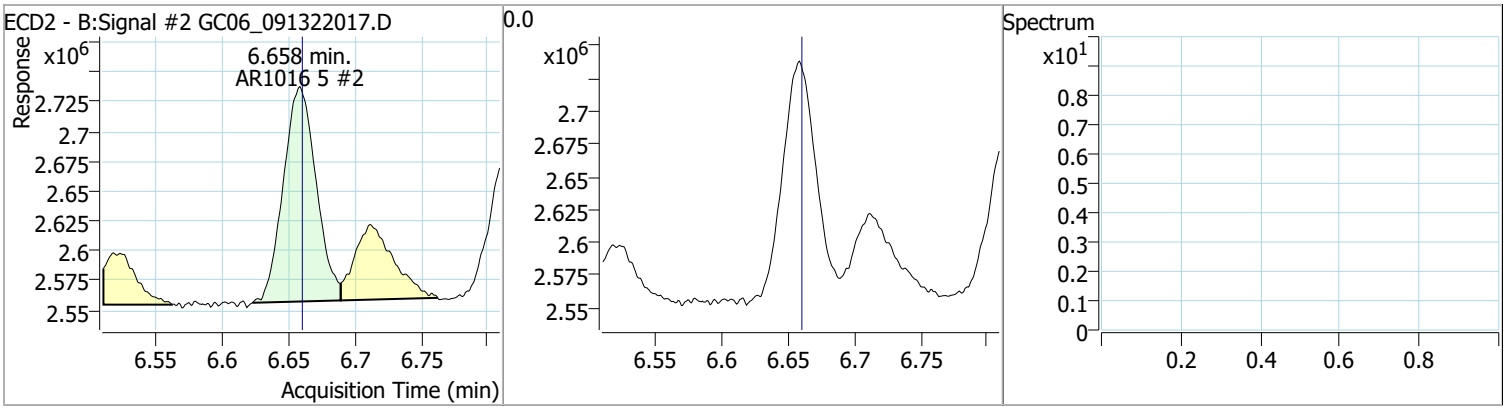
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	24.3610	6.13	0.00	371541 (m)				



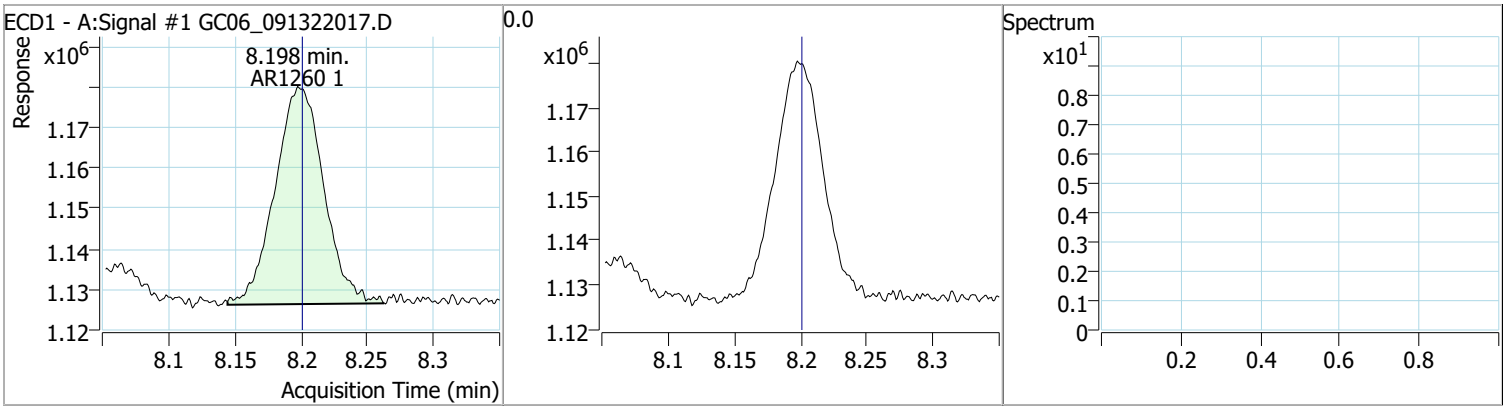
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	25.5145	6.47	0.00	68318				



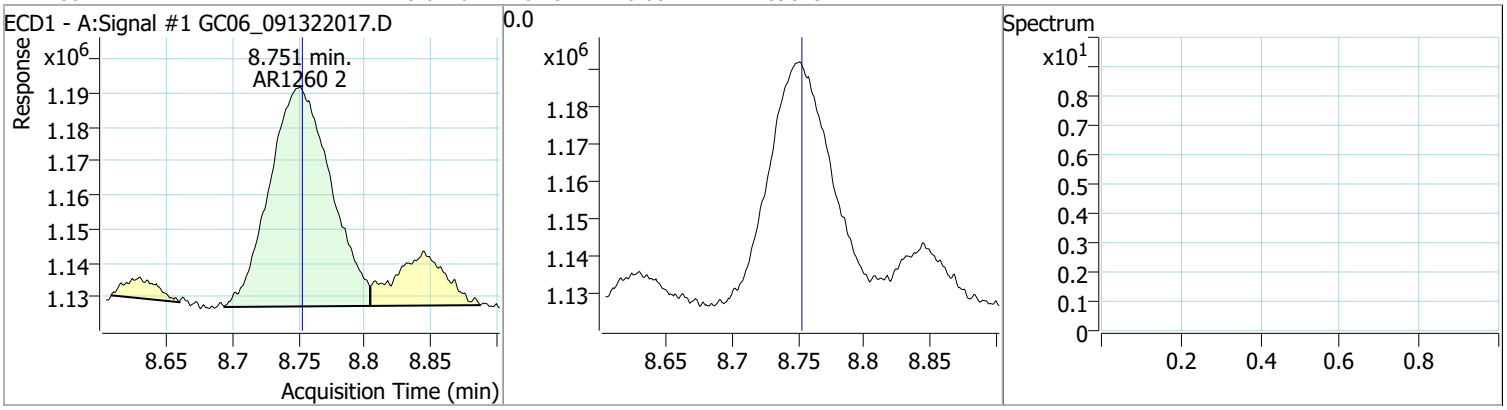
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AR1016 5 #2	24.2227	6.66	0.00	311919				



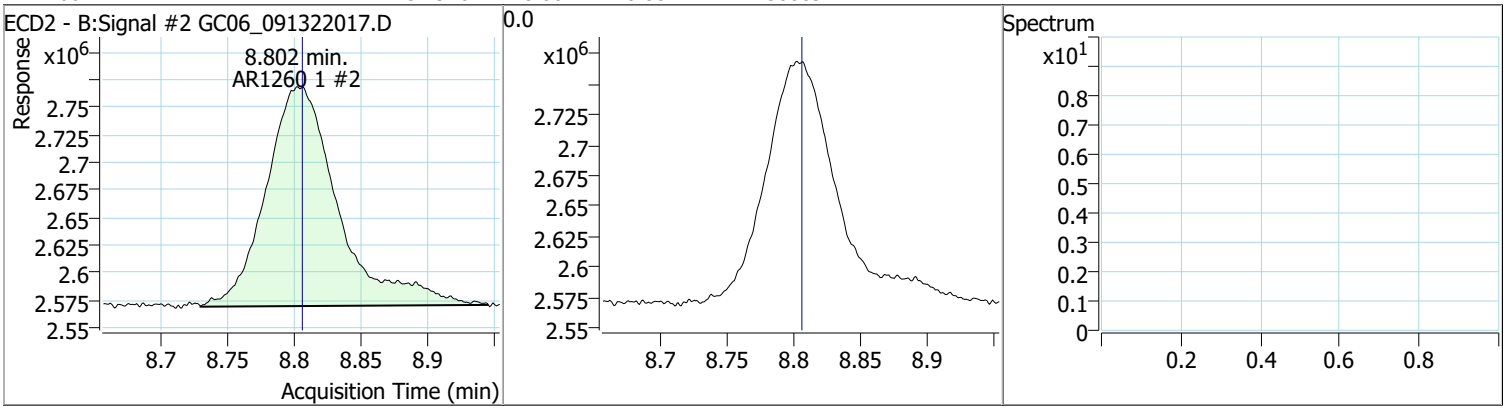
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	26.3948	8.20	0.00	139834				



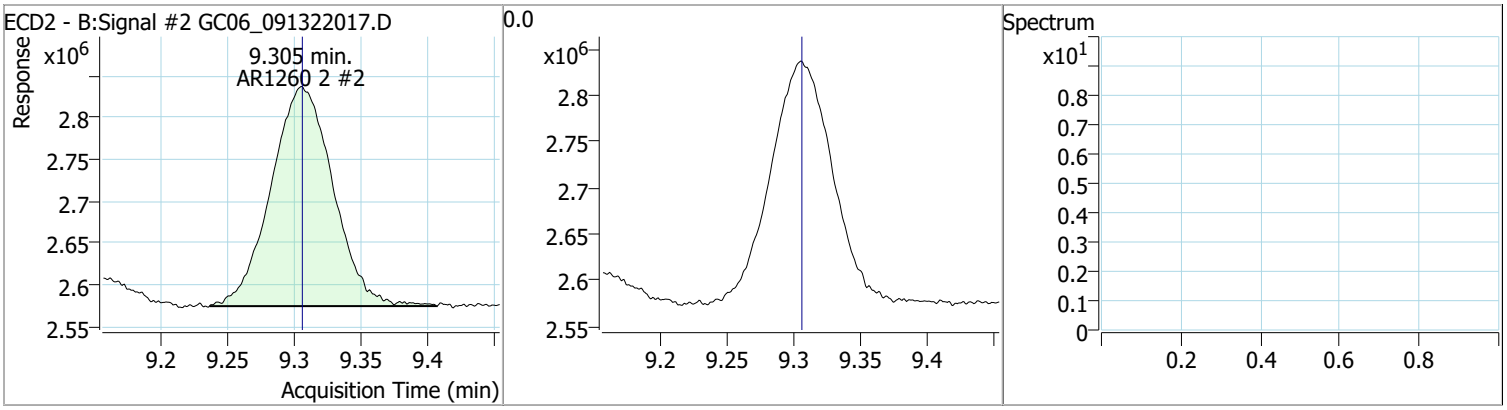
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	25.0770	8.75	0.00	209625				



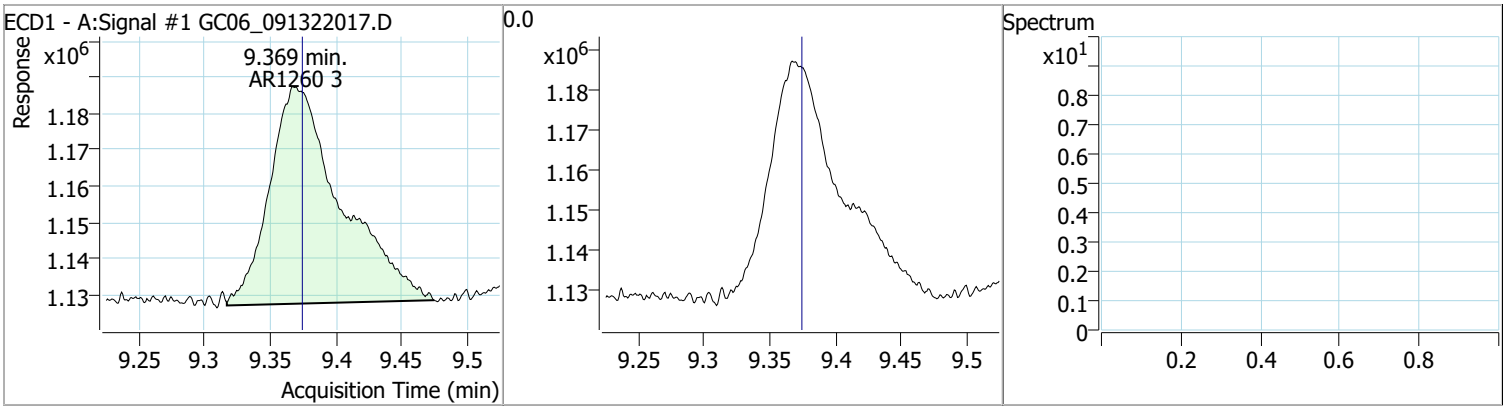
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	25.7926	8.80	0.00	756089				



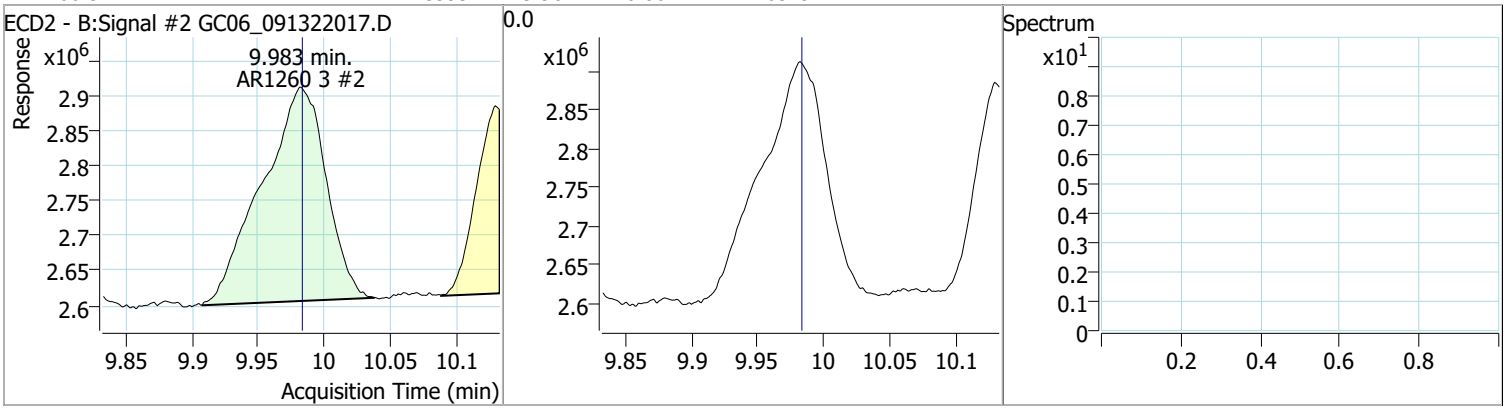
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AR1260 2 #2	25.9620	9.31	0.00	854373				



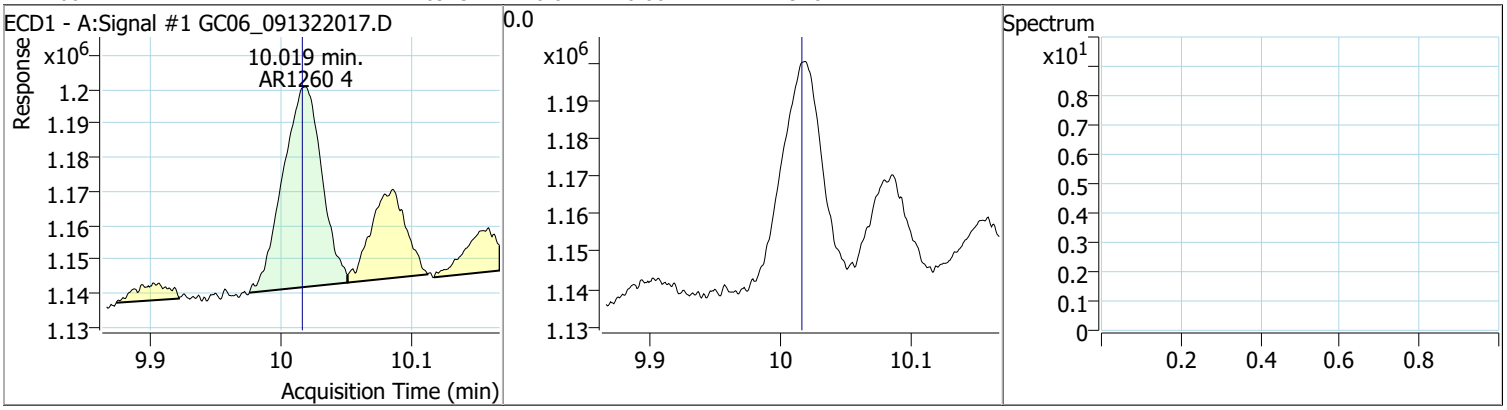
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	25.9528	9.37	-0.01	227145				



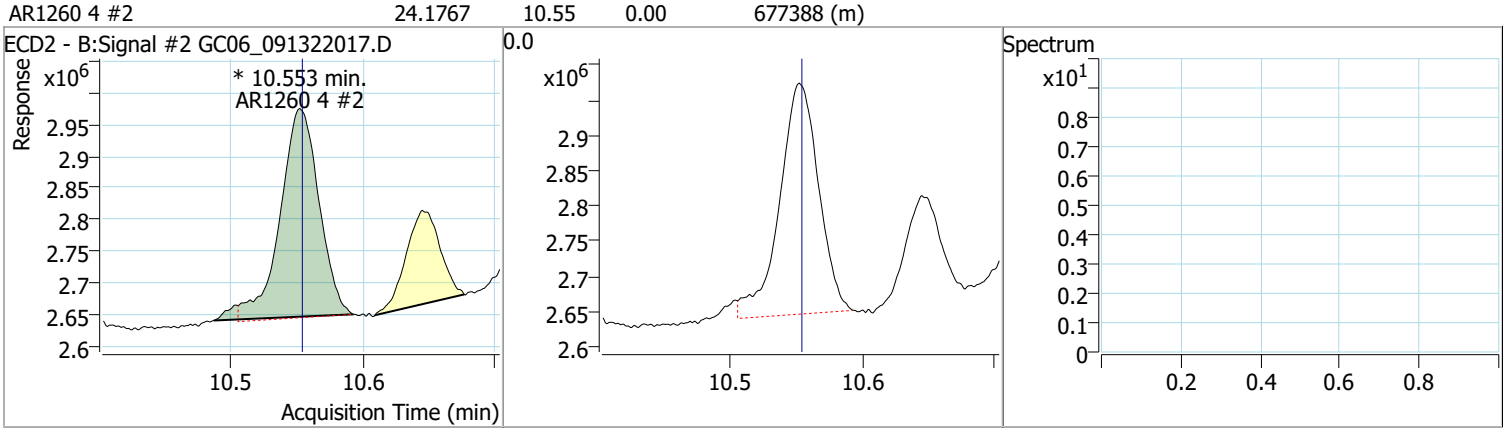
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	24.3999	9.98	0.00	1032947				



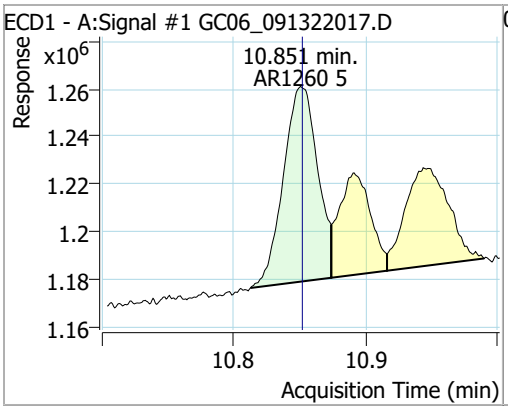
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	24.6943	10.02	0.00	121928				

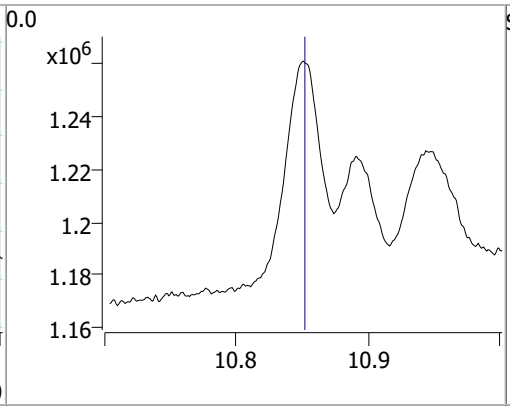


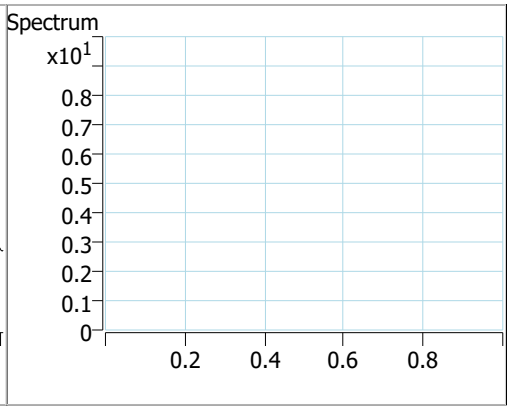
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	24.1767	10.55	0.00	677388 (m)				



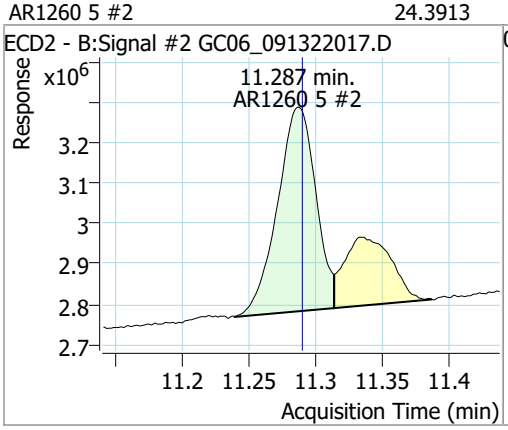
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	24.1747	10.85	0.00	147786				

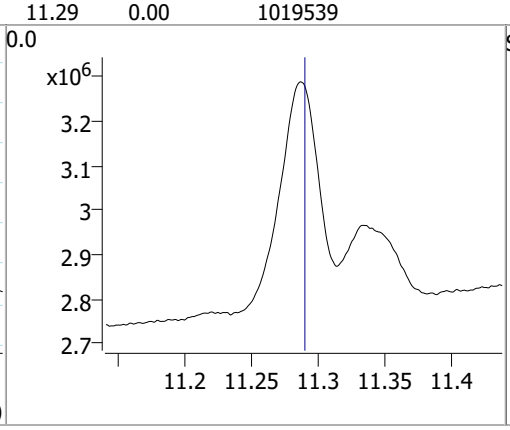


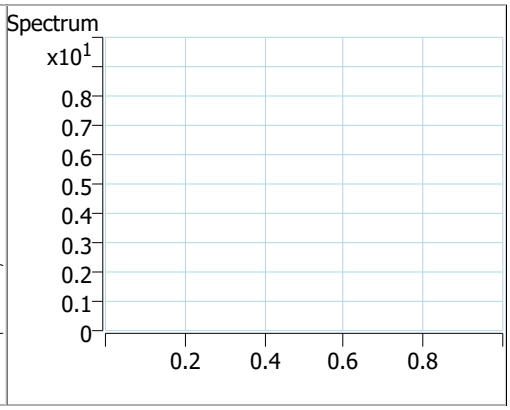




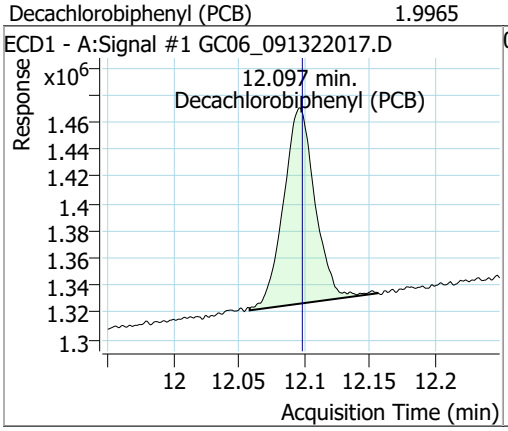
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	24.3913	11.29	0.00	1019539				

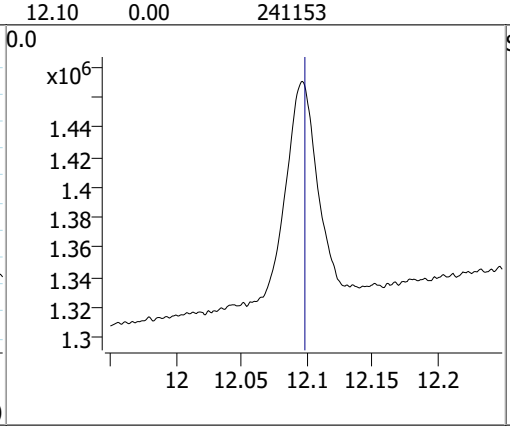


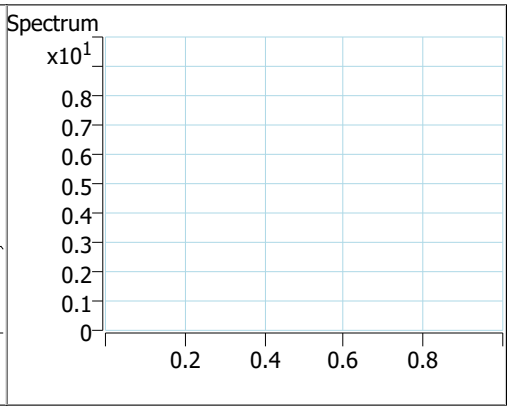




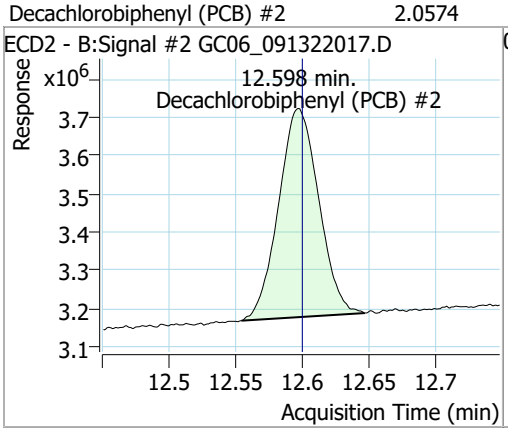
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.9965	12.10	0.00	241153				

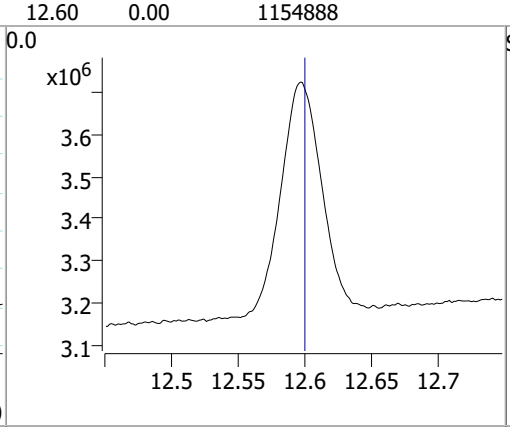


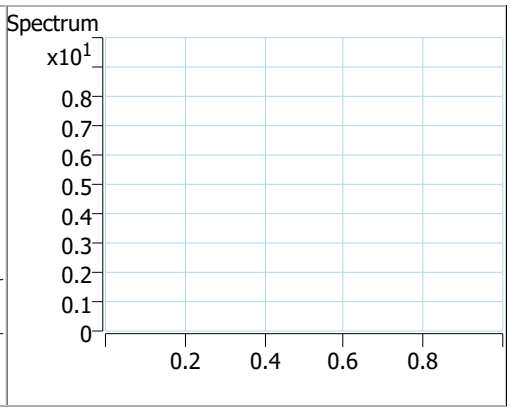




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.0574	12.60	0.00	1154888				

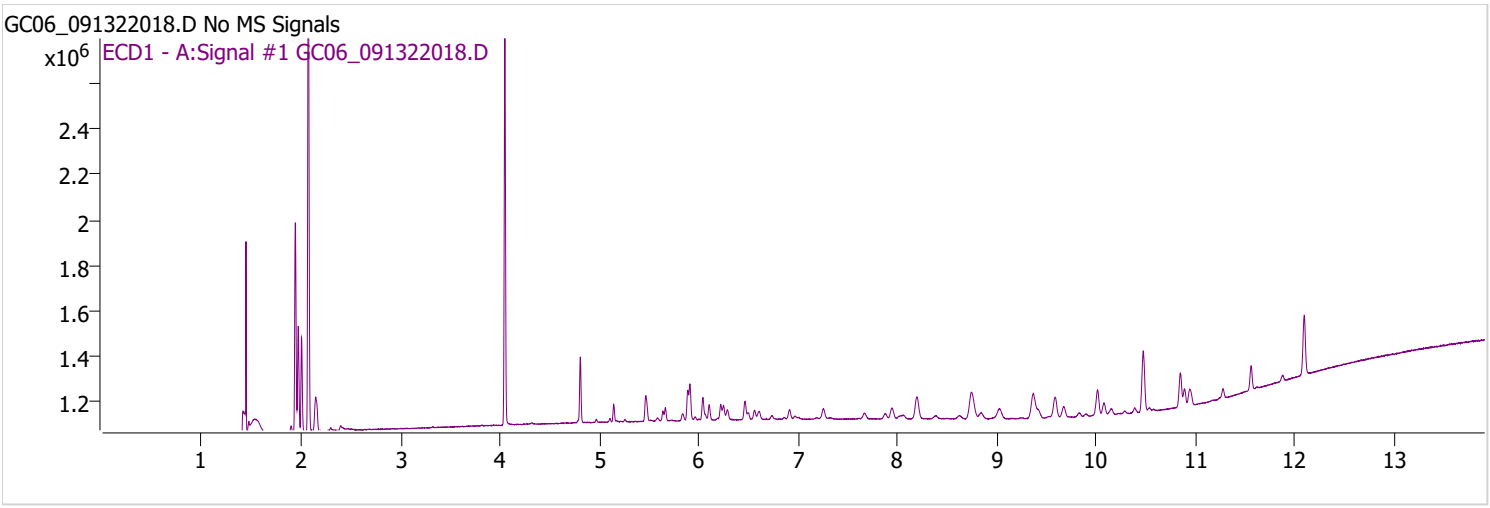


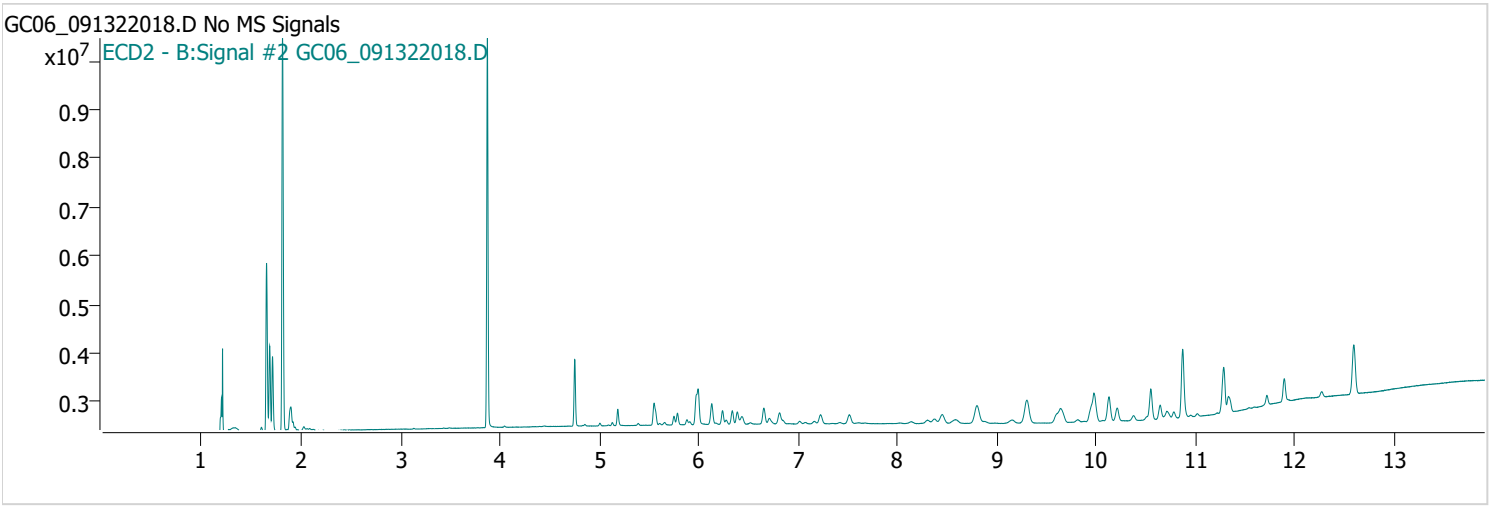




Quantitation Results Report (Not Reviewed)

Data File	GC06_091322018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 12:57:06 AM
Sample Name	ICAL, S16585, 40	Instrument	SVOA-GC06
Vial	42	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



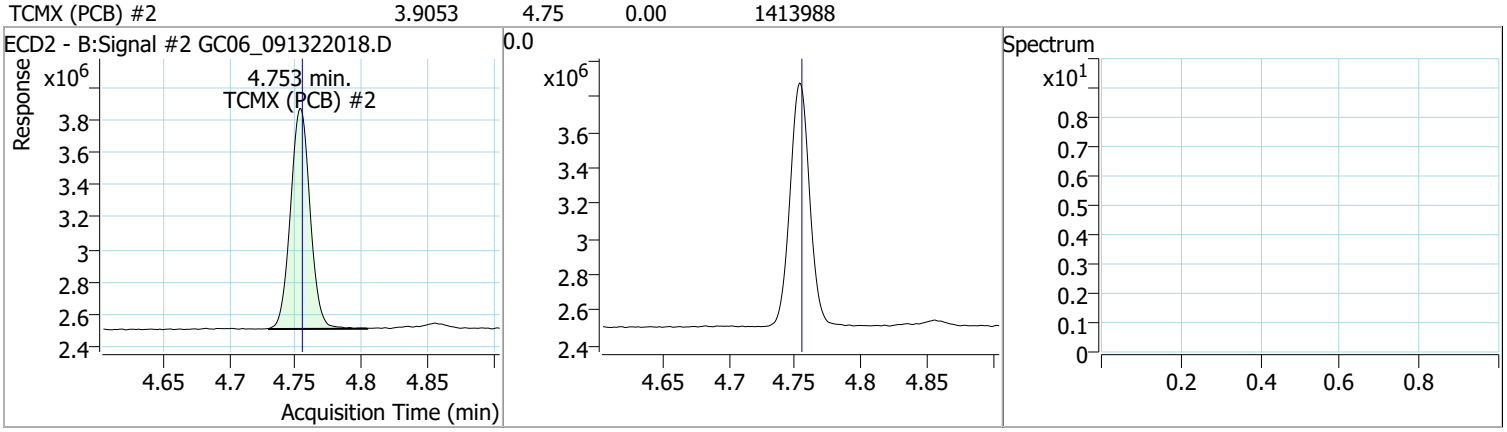


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	7396287.279	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.050	0.0	1574602.436	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.753	0.0	1413988.279	3.9053	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.53%		*	
S TCMX (PCB)	4.810	0.0	296406.933	3.9520	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.76%		*	
S Decachlorobiphenyl (PCB)	12.097	0.0	457871.811	4.3356	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.68%		*	
S Decachlorobiphenyl (PCB) #2	12.596	0.0	2217524.838	4.5198	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.60%		*	
Target Compounds							**QValue**
T AR1016 1	5.146	0.0	82820.853	53.6546	ng/ml		100

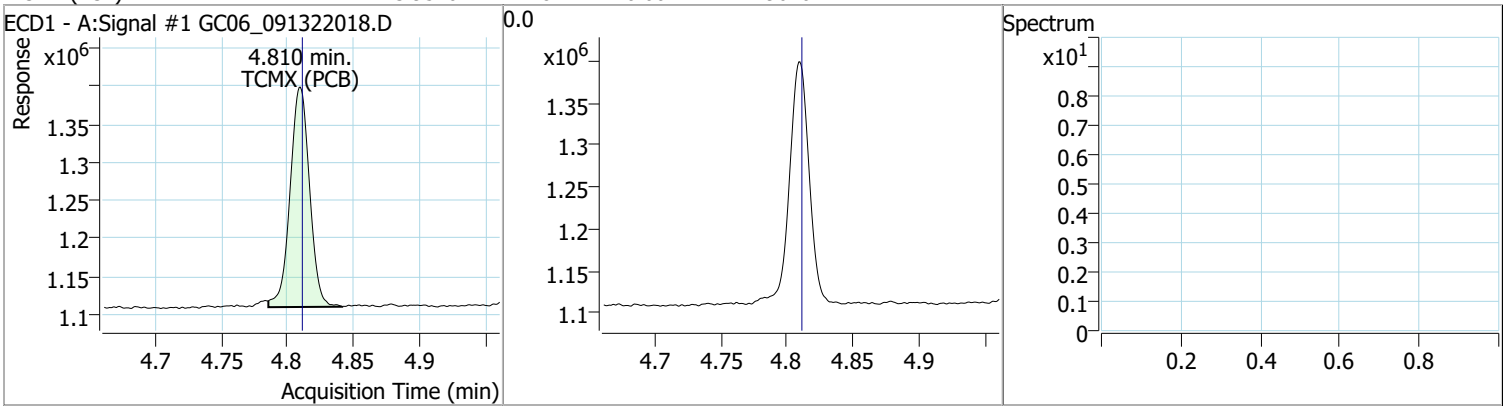
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1 #2	5.188	0.0	402549.436	54.1434	ng/ml		100
T AR1016 2	5.469	0.0	183263.563	55.5448	ng/ml		100
T AR1016 2 #2	5.553	0.0	839411.615	54.1332	ng/ml		100
T AR1016 3	5.913	0.0	209534.549	53.8745	ng/ml		100
T AR1016 3 #2	5.995	0.0	1040435.721	51.5712	ng/ml	m	100
T AR1016 4	6.043	0.0	159077.760	54.3406	ng/ml		100
T AR1016 4 #2	6.133	0.0	672688.937	50.4637	ng/ml	m	100
T AR1016 5	6.468	0.0	125261.665	53.5053	ng/ml	m	100
T AR1016 5 #2	6.658	0.0	592193.858	52.6163	ng/ml		100
T AR1260 1	8.197	0.0	246987.455	53.3221	ng/ml		100
T AR1260 2	8.747	0.0	467252.412	63.9311	ng/ml		100
T AR1260 1 #2	8.803	0.0	1362421.202	53.1752	ng/ml	m	100
T AR1260 2 #2	9.307	0.0	1575386.159	54.7713	ng/ml		100
T AR1260 3	9.370	0.0	398858.125	52.1226	ng/ml		100
T AR1260 3 #2	9.980	0.0	1914221.820	51.7341	ng/ml		100
T AR1260 4	10.015	0.0	227418.399	52.6802	ng/ml		100
T AR1260 4 #2	10.553	0.0	1279584.218	52.2520	ng/ml	m	100
T AR1260 5	10.849	0.0	272926.896	51.0625	ng/ml		100
T AR1260 5 #2	11.287	0.0	1960329.378	53.6583	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

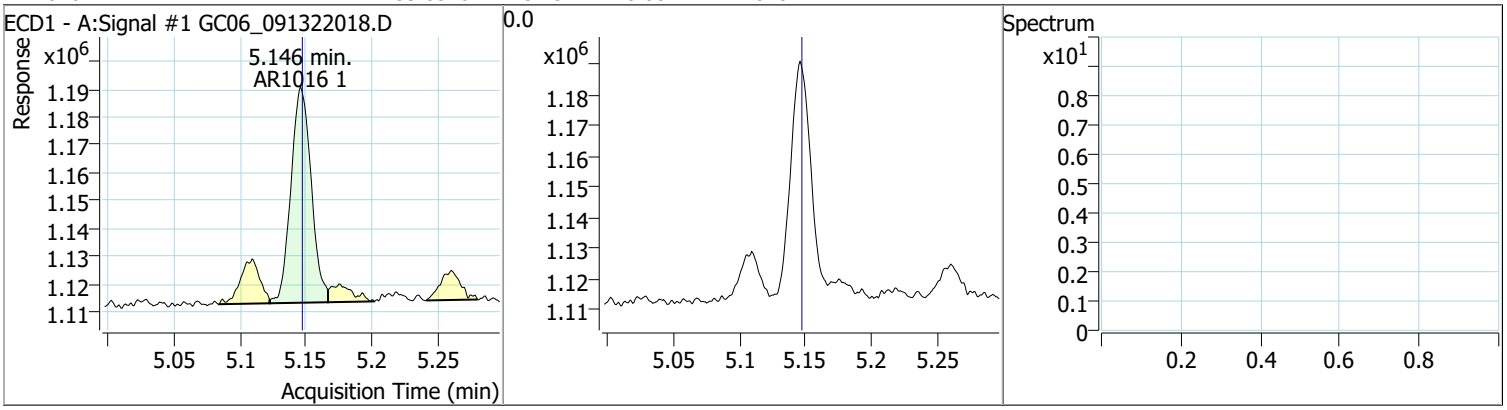
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	3.9053	4.75	0.00	1413988				



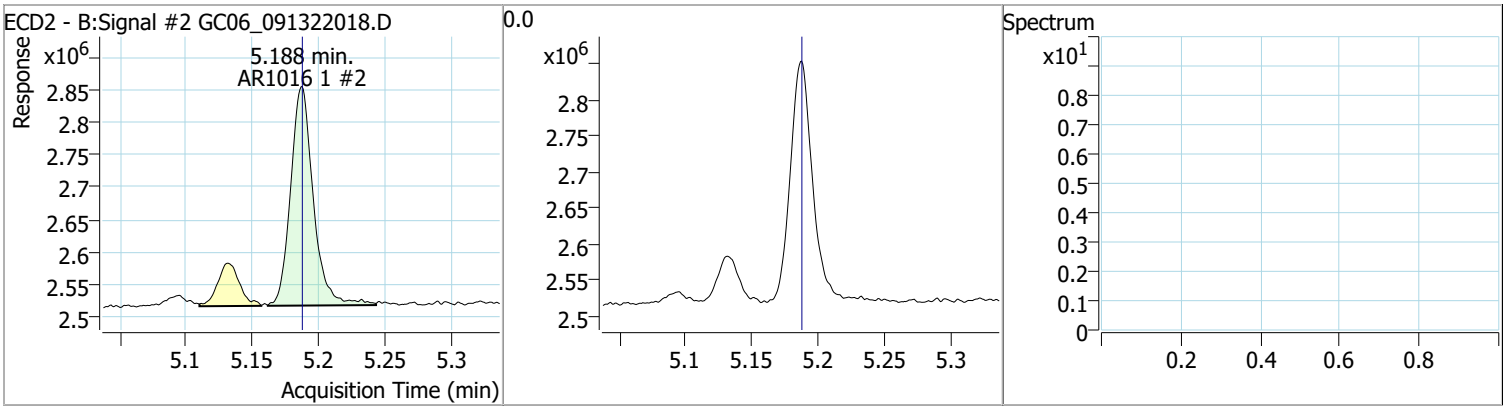
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	3.9520	4.81	0.00	296407				



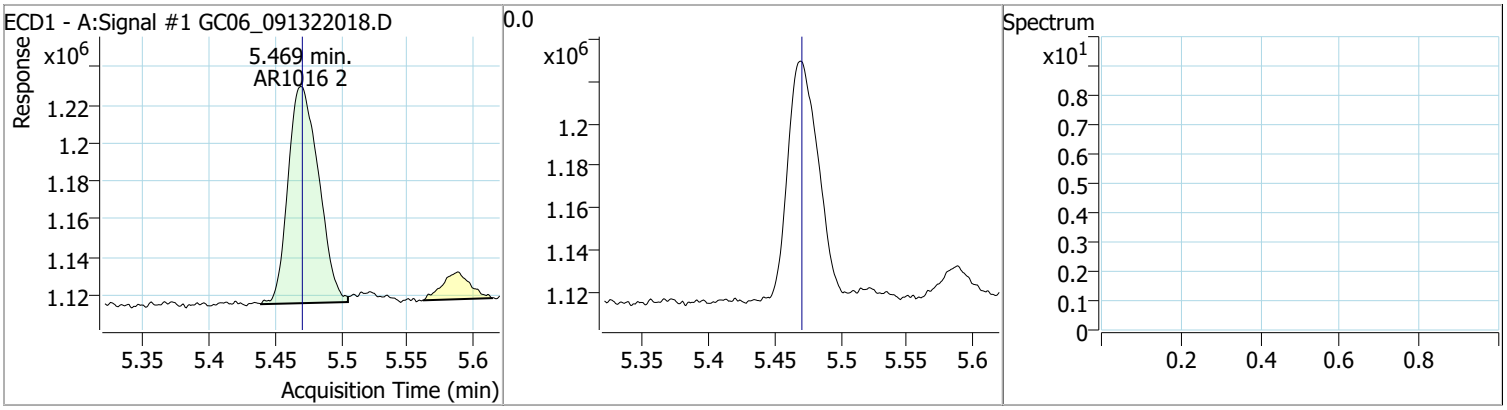
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	53.6546	5.15	0.00	82821				



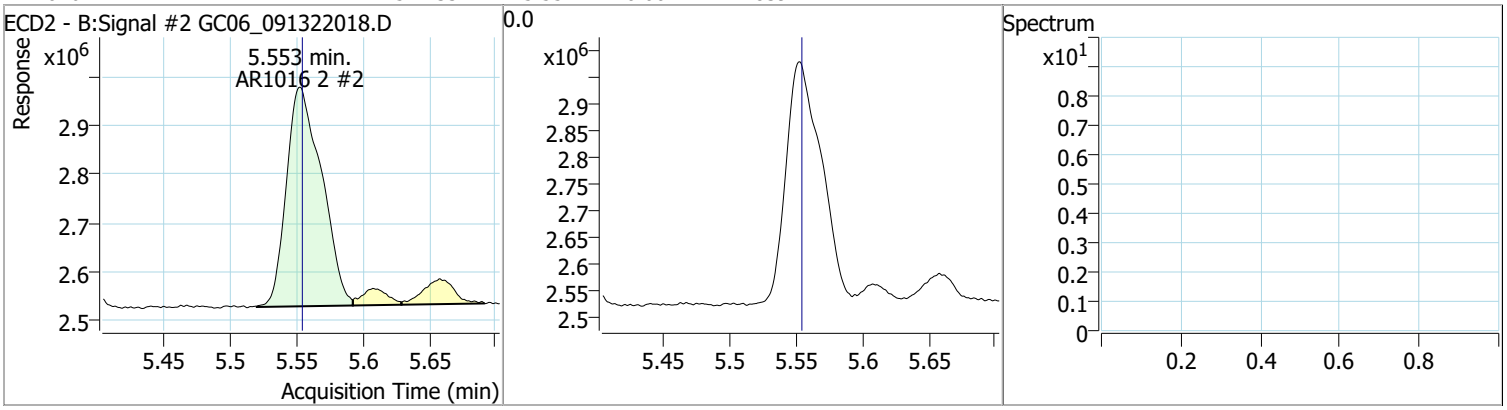
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	54.1434	5.19	0.00	402549				



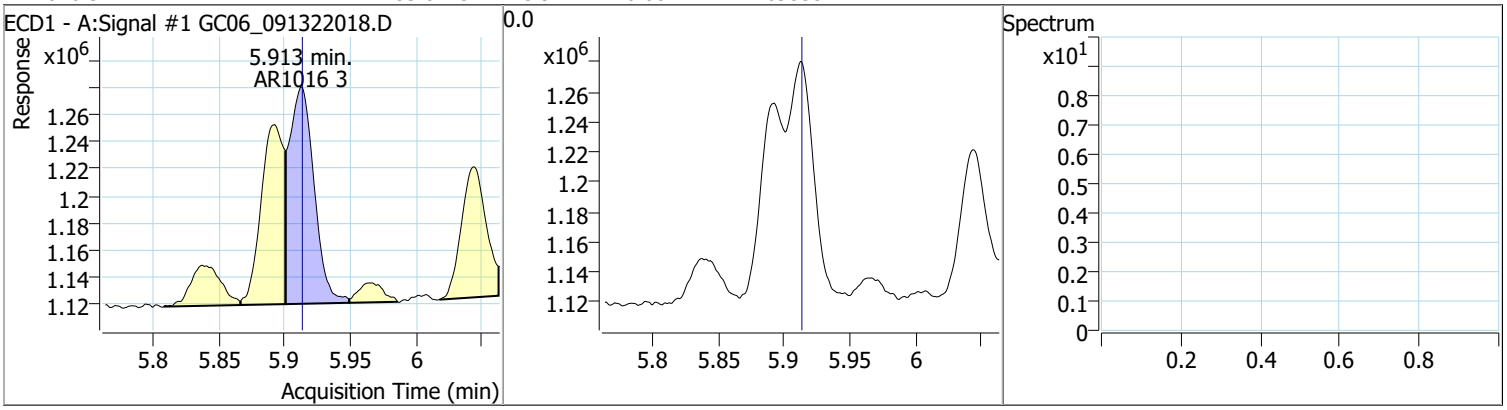
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	55.5448	5.47	0.00	183264				



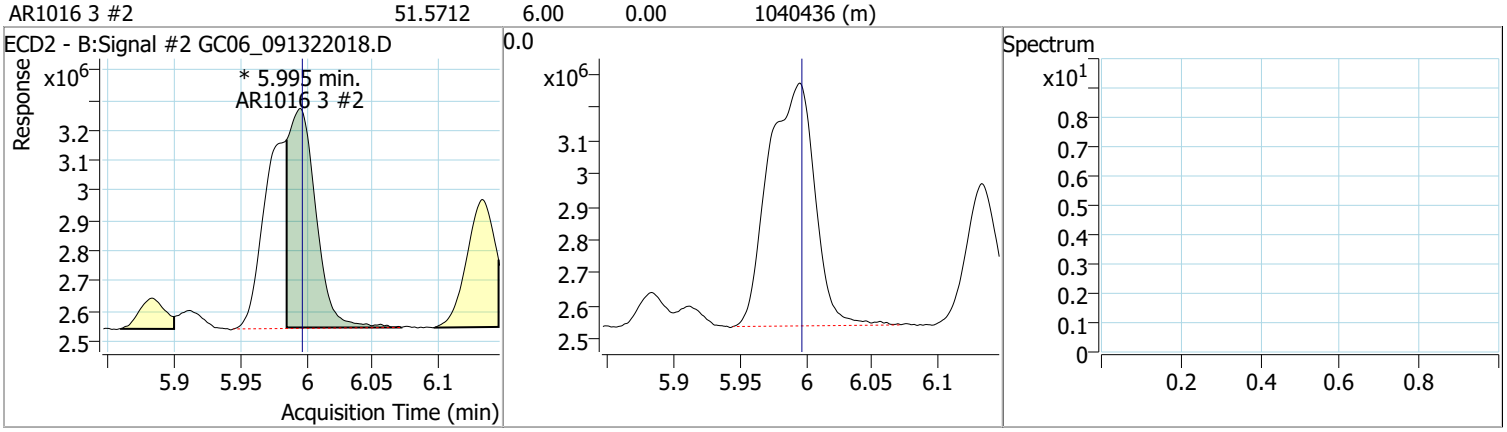
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	54.1332	5.55	0.00	839412				



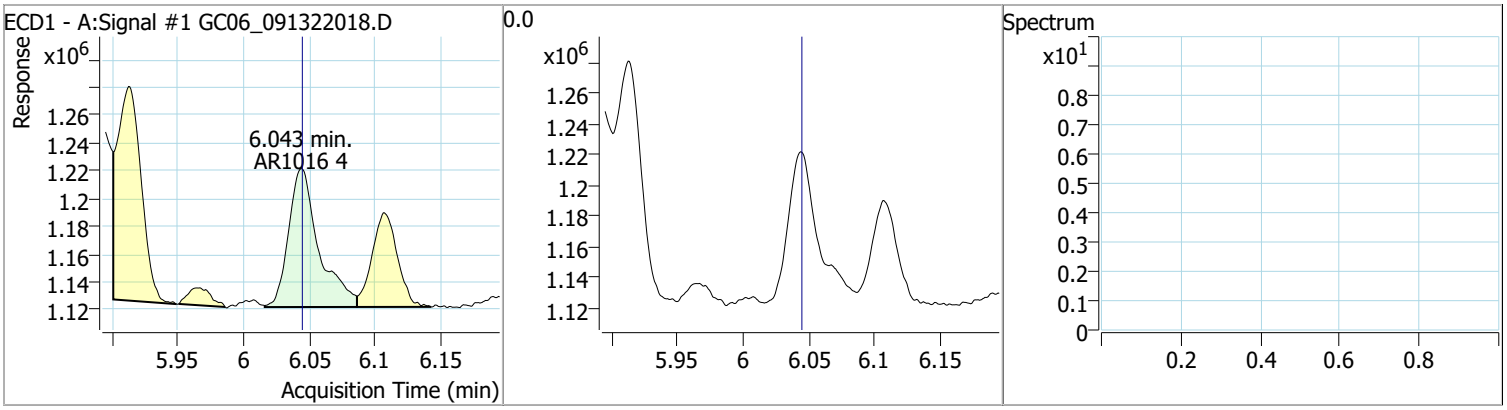
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	53.8745	5.91	0.00	209535				



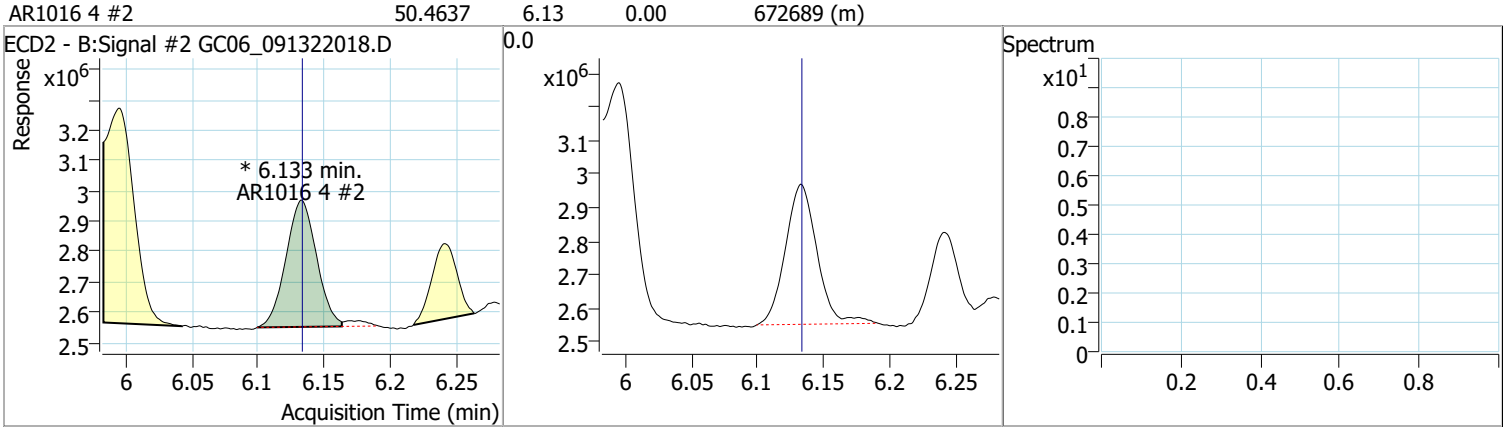
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	51.5712	6.00	0.00	1040436 (m)				



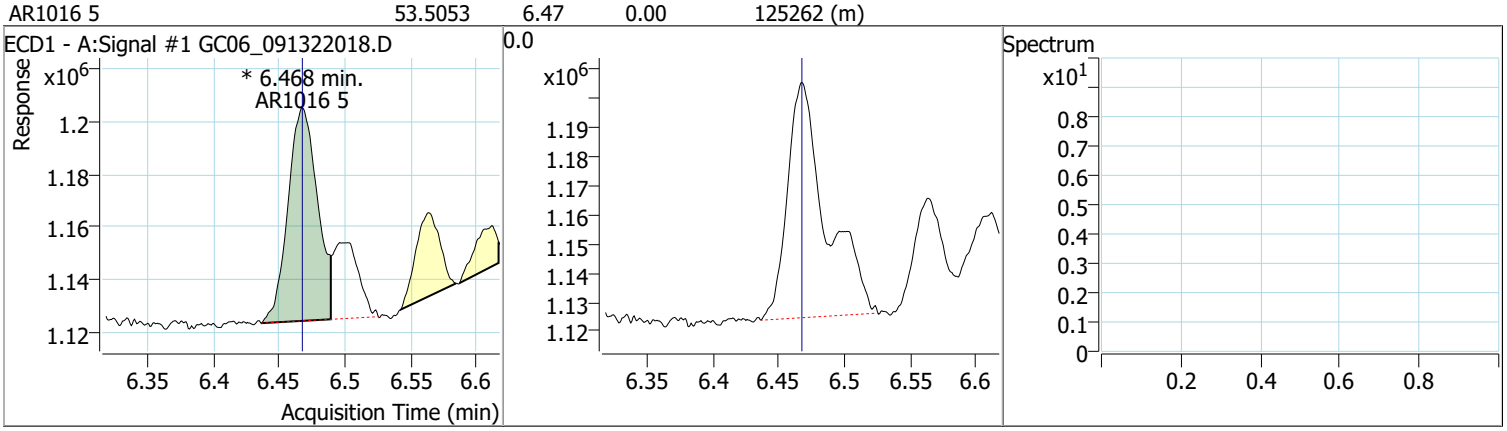
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	54.3406	6.04	0.00	159078				



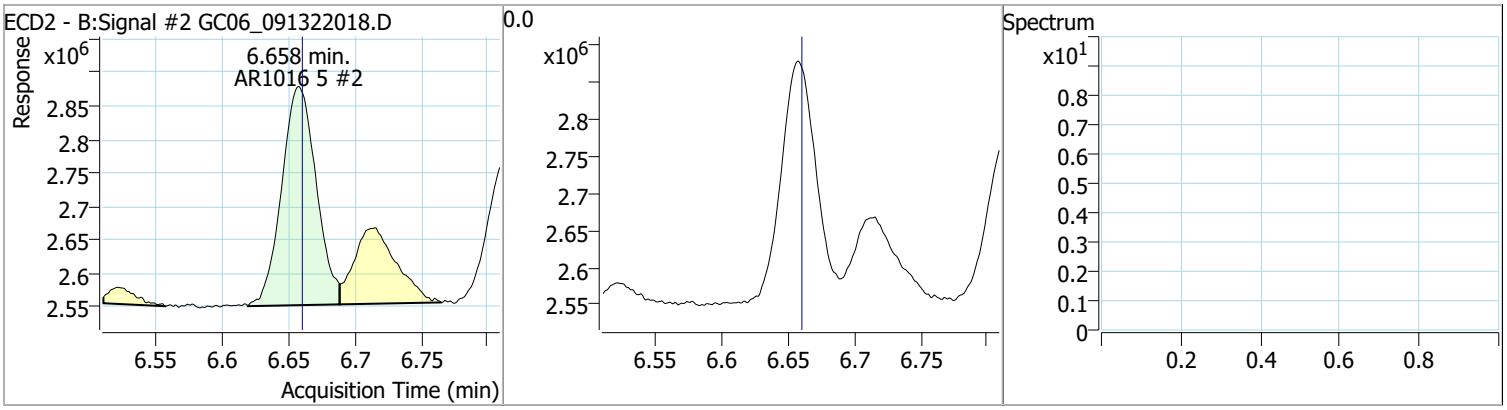
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	50.4637	6.13	0.00	672689 (m)				



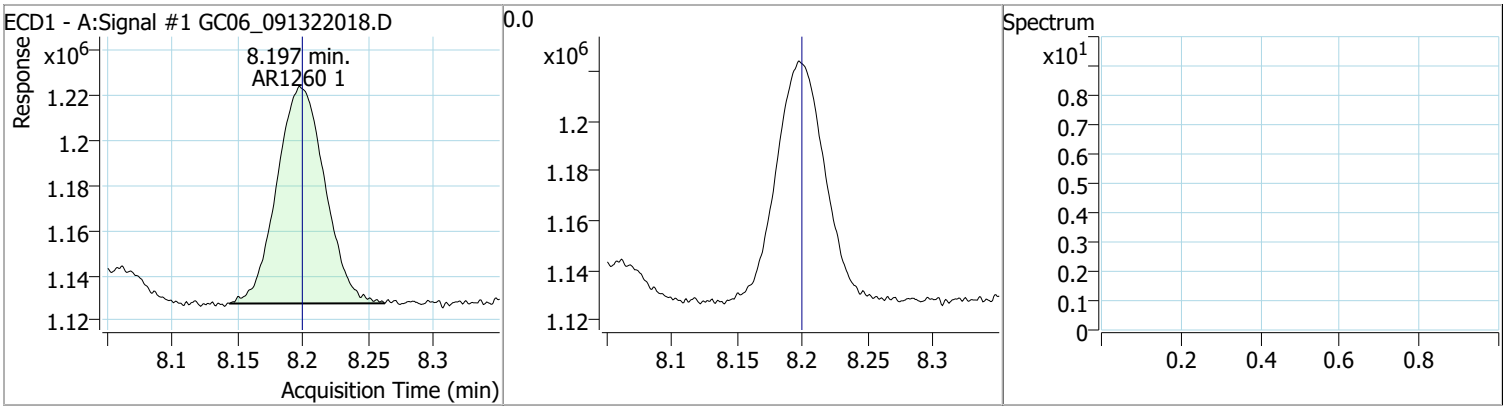
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	53.5053	6.47	0.00	125262 (m)				



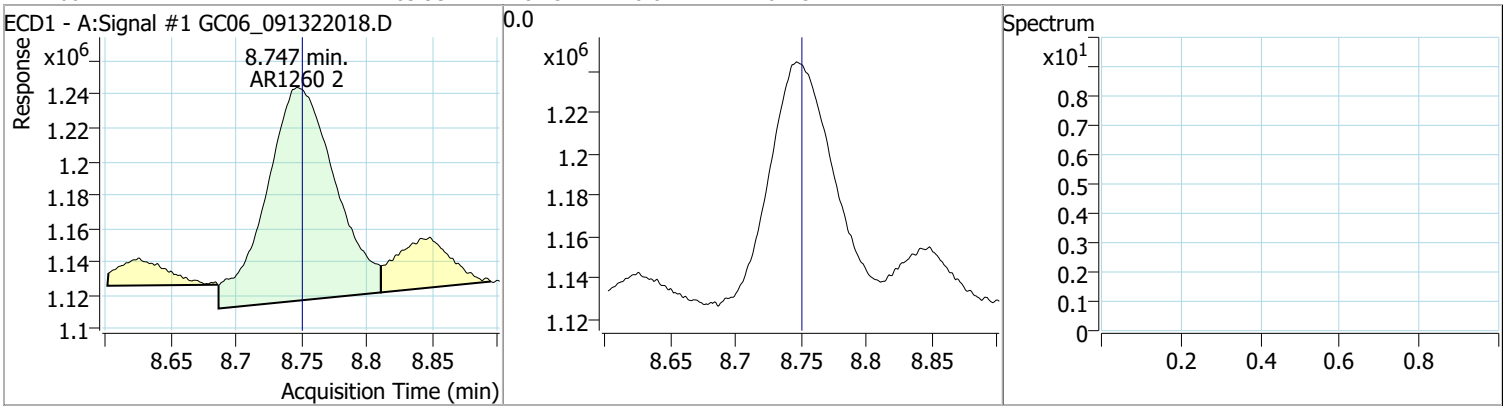
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	52.6163	6.66	0.00	592194				



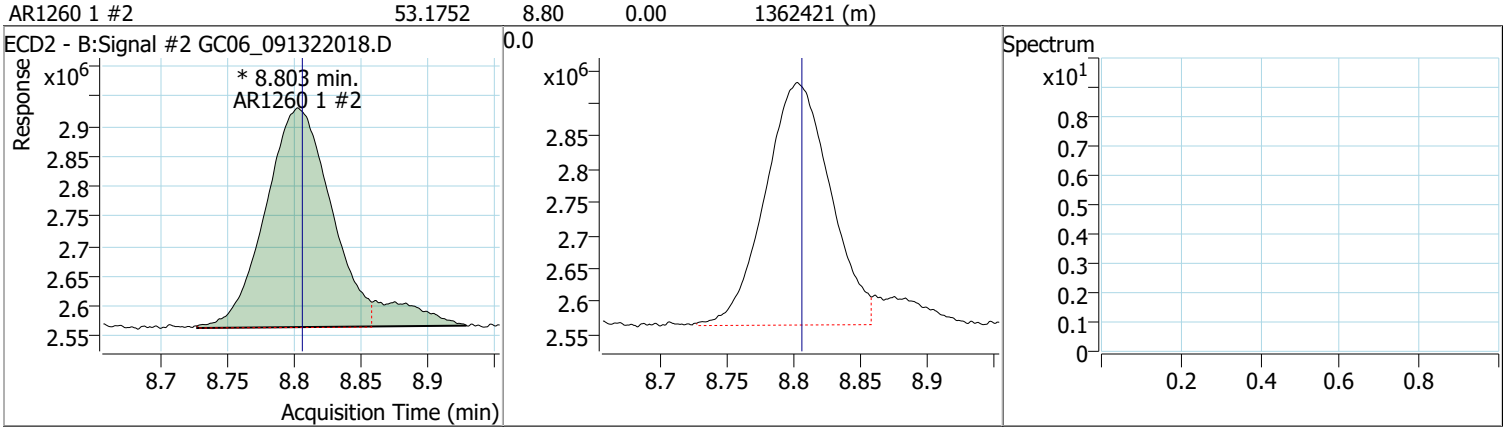
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	53.3221	8.20	-0.01	246987				



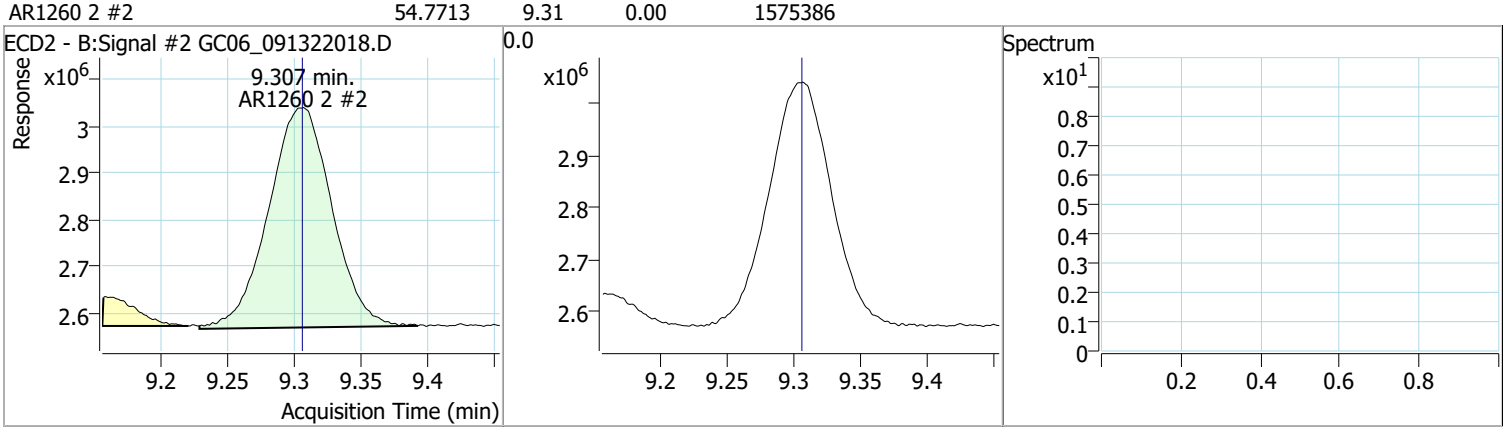
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	63.9311	8.75	-0.01	467252				



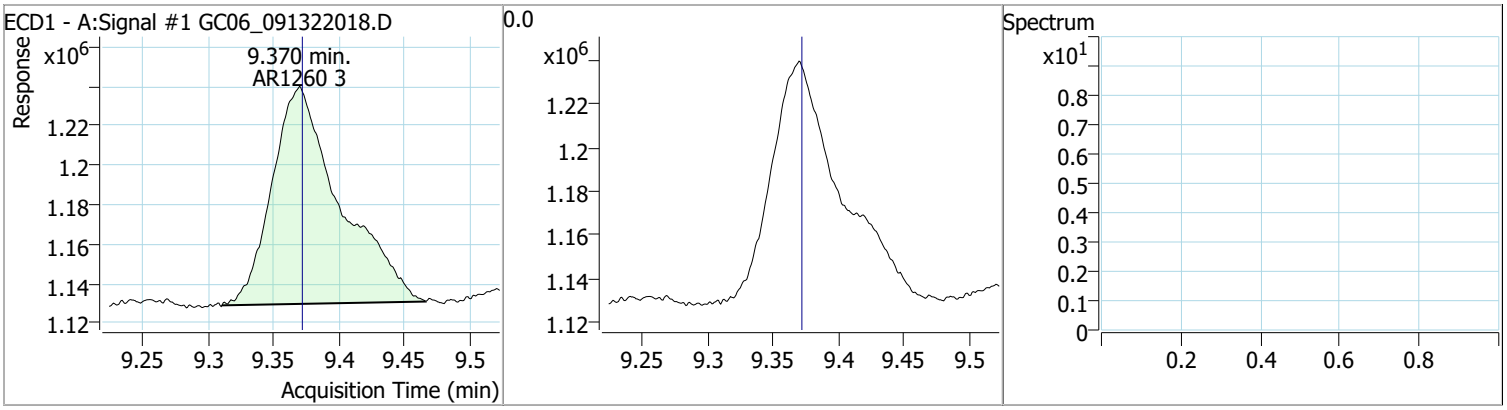
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AR1260 1 #2	53.1752	8.80	0.00	1362421 (m)				



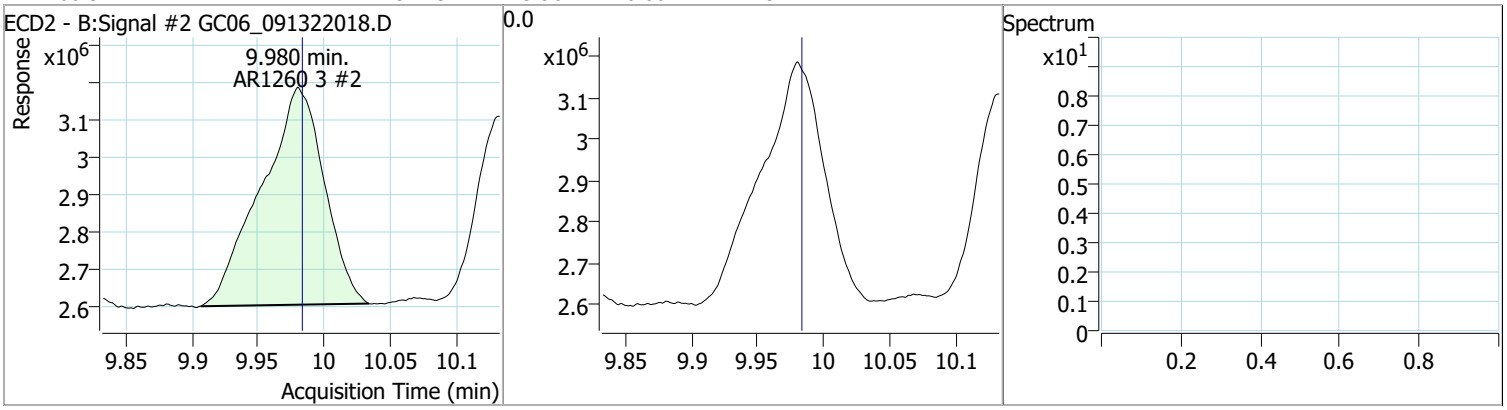
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	54.7713	9.31	0.00	1575386				



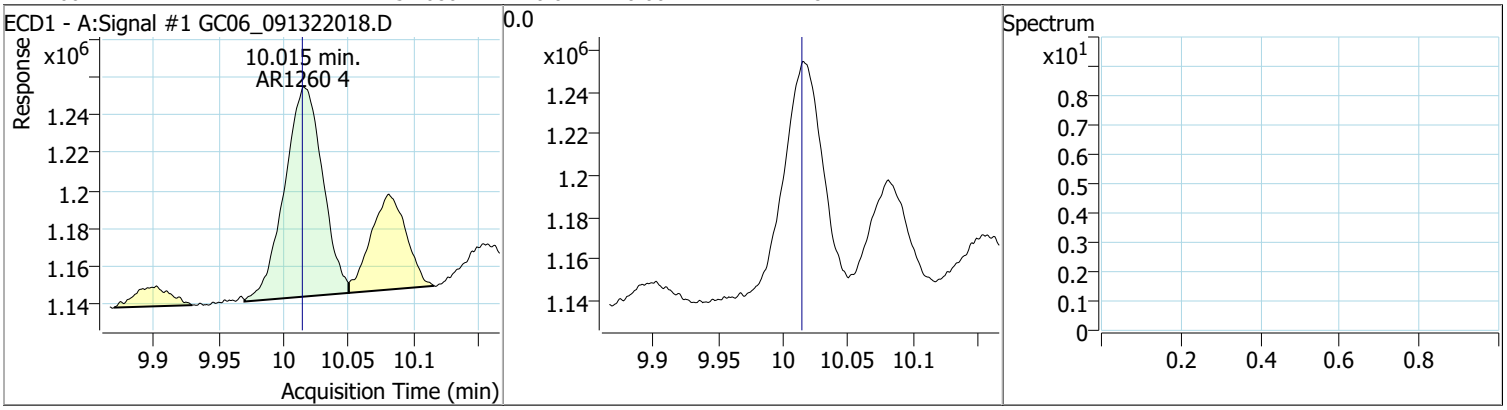
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AR1260 3	52.1226	9.37	-0.01	398858				



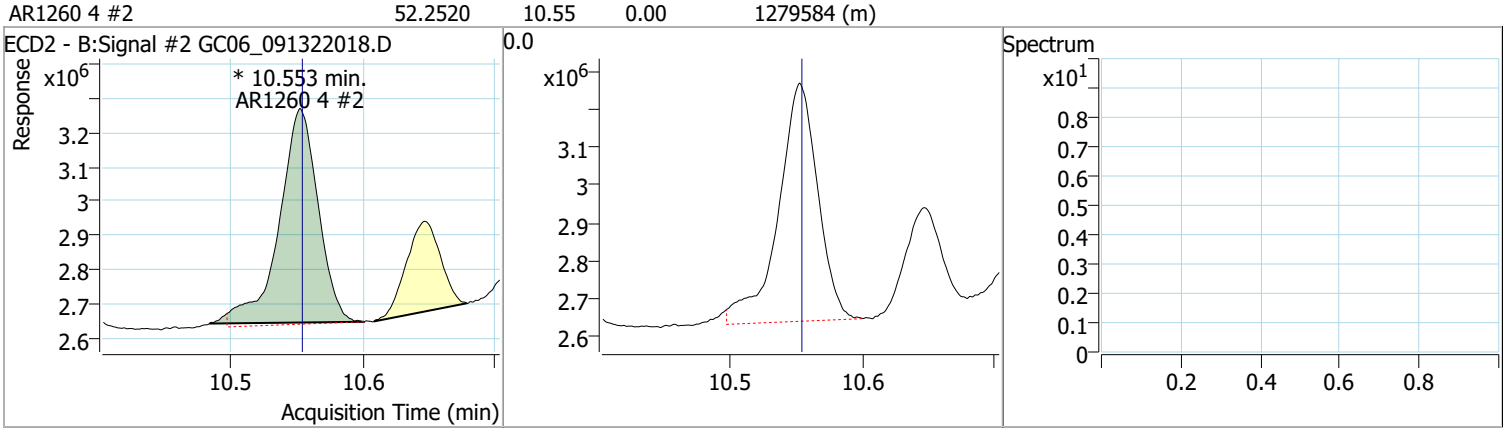
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	51.7341	9.98	0.00	1914222				



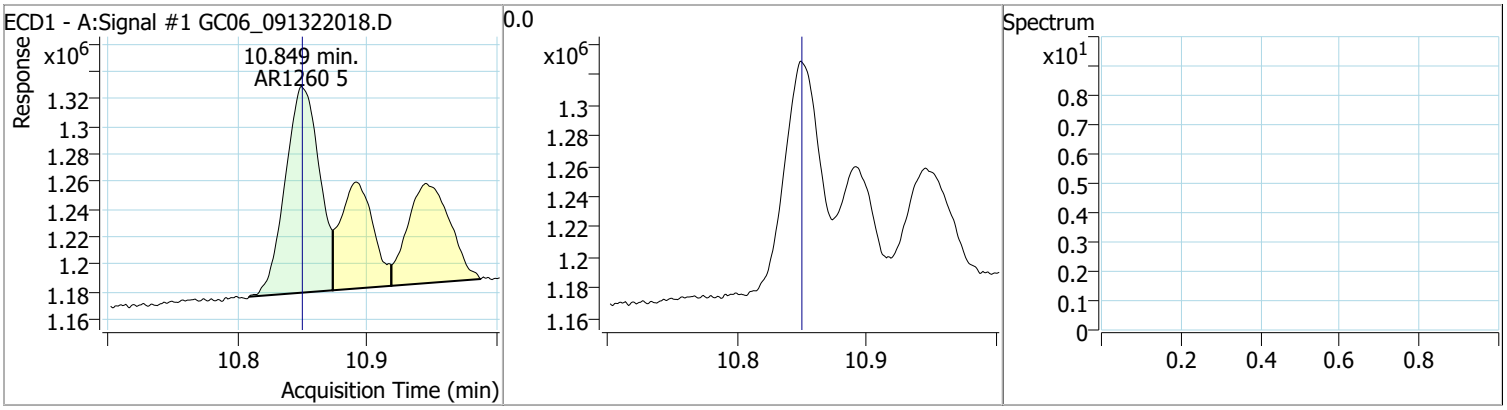
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	52.6802	10.02	0.00	227418				



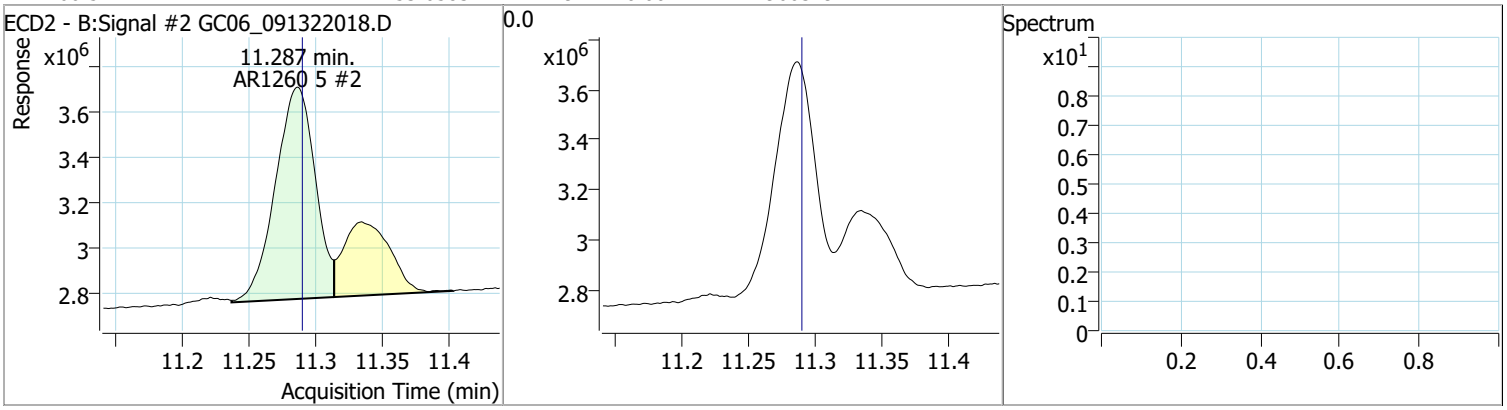
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	52.2520	10.55	0.00	1279584 (m)				



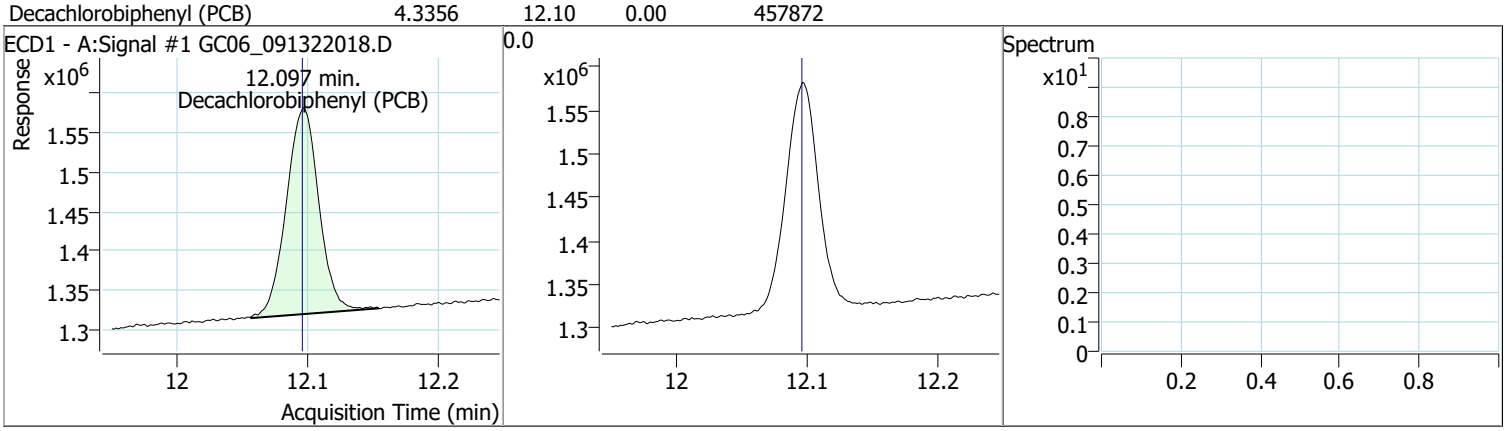
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	51.0625	10.85	0.00	272927				



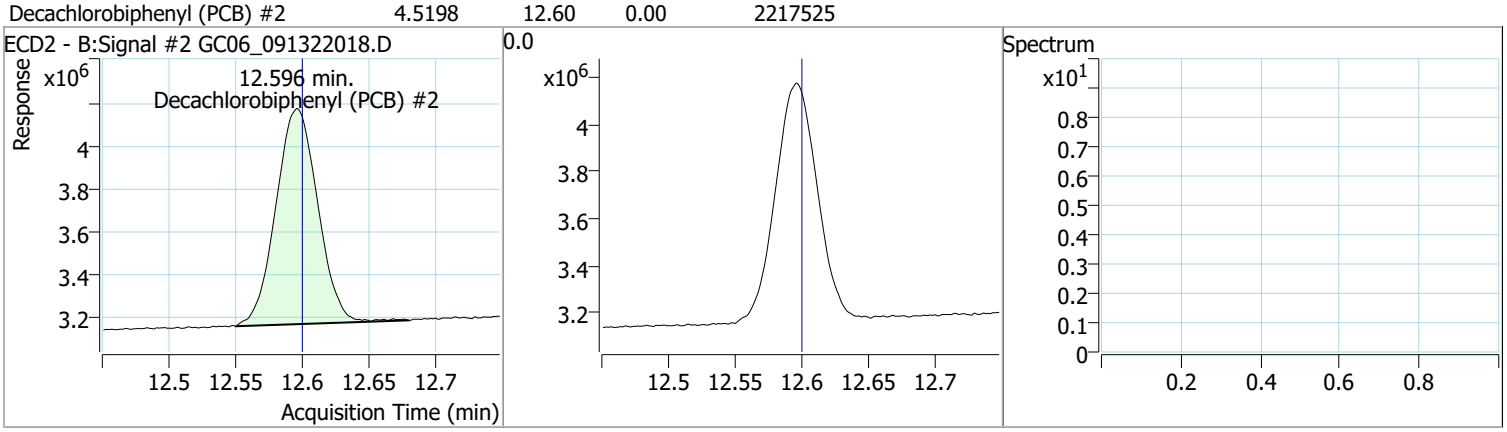
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	53.6583	11.29	0.00	1960329				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.3356	12.10	0.00	457872				

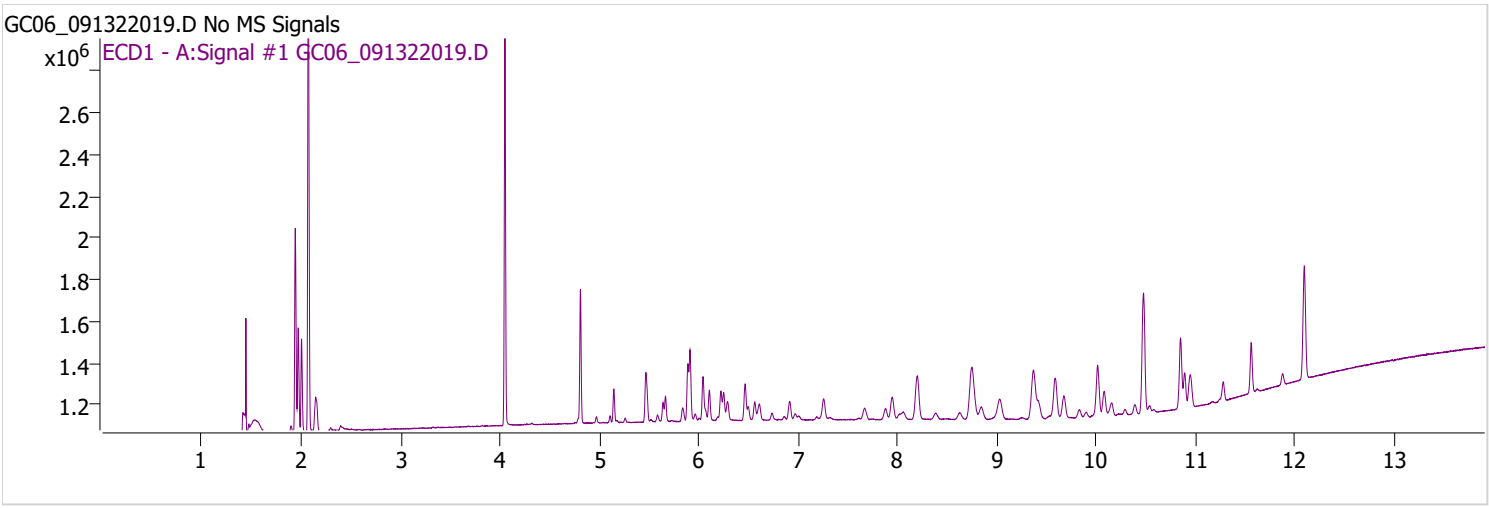


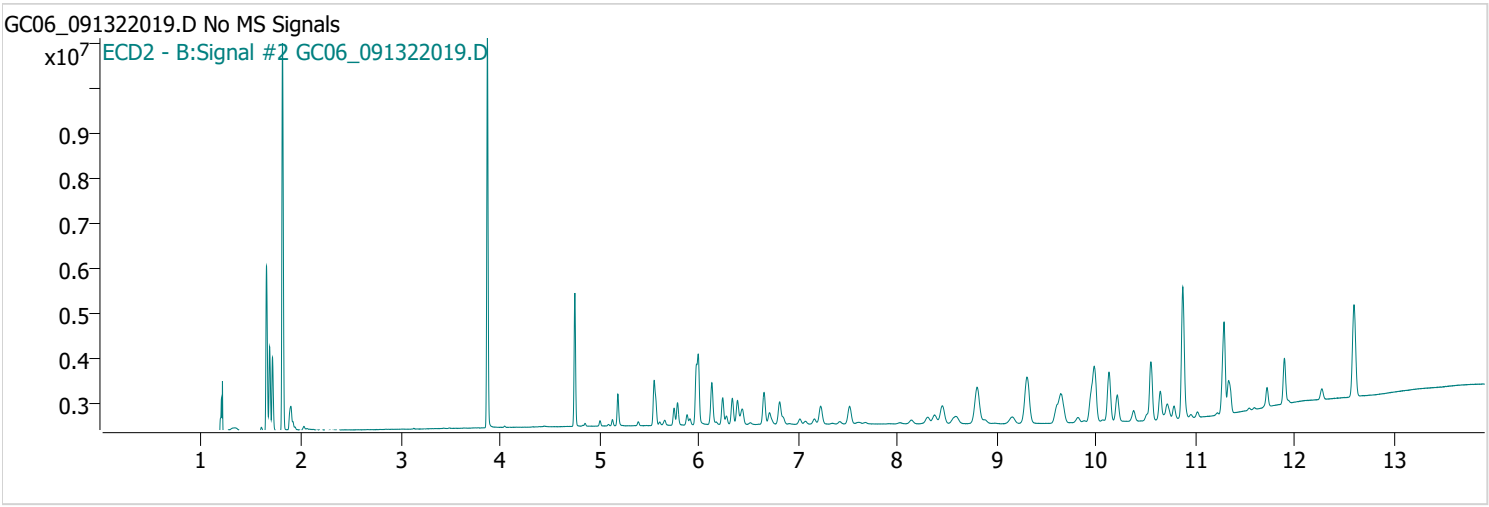
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.5198	12.60	0.00	2217525				



Quantitation Results Report (Not Reviewed)

Data File	GC06_091322019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 1:14:26 AM
Sample Name	ICAL, S16585, 20	Instrument	SVOA-GC06
Vial	43	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



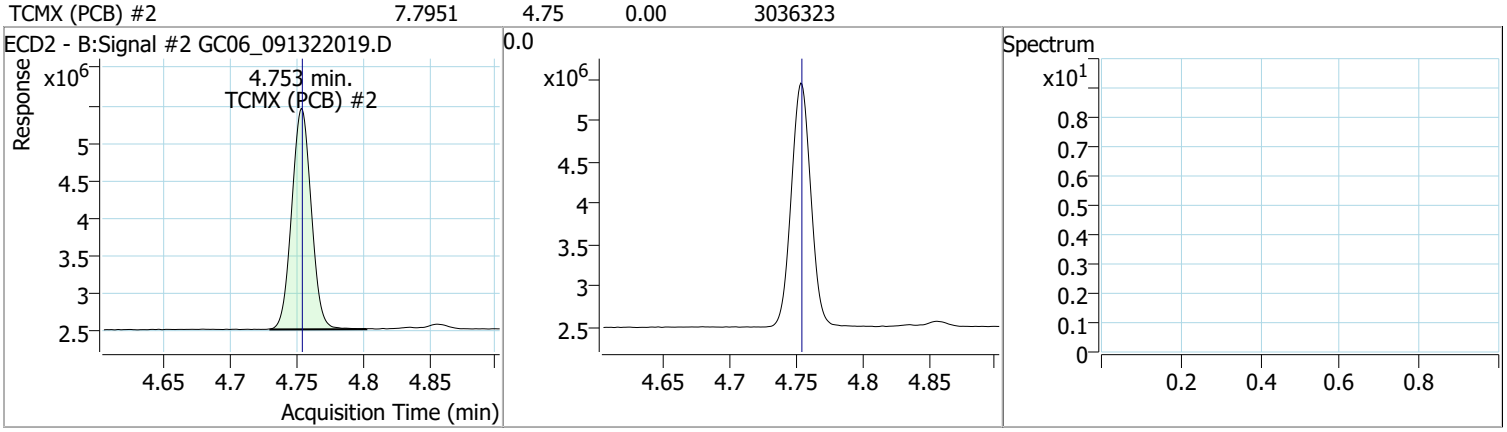


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.873	0.0	7956936.394	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB)	4.050	0.0	1690589.817	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.753	0.0	3036323.152	7.7951	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 38.98%		*	
S TCMX (PCB)	4.810	0.0	642544.303	7.9792	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 39.90%		*	
S Decachlorobiphenyl (PCB)	12.095	0.0	985693.644	8.6932	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 43.47%		*	
S Decachlorobiphenyl (PCB) #2	12.596	0.0	4558653.679	8.6369	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 43.18%		*	
Target Compounds							QValue
T AR1016 1	5.147	0.0	177576.104	107.1480	ng/ml		100

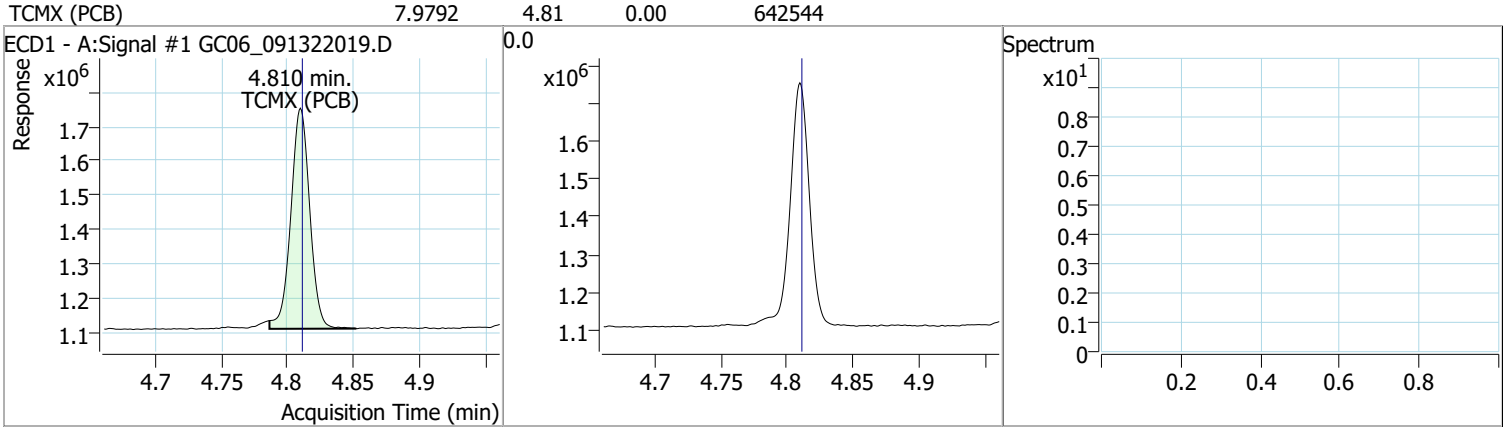
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1 #2	5.187	0.0	834017.410	104.2725	ng/ml		100
T AR1016 2	5.469	0.0	380870.850	107.5172	ng/ml		100
T AR1016 2 #2	5.552	0.0	1813081.285	108.6860	ng/ml		100
T AR1016 3	5.913	0.0	436021.300	104.4162	ng/ml		100
T AR1016 3 #2	5.996	0.0	2415020.049	111.2706	ng/ml	m	100
T AR1016 4	6.044	0.0	333169.287	106.0017	ng/ml		100
T AR1016 4 #2	6.133	0.0	1530973.530	106.7580	ng/ml	m	100
T AR1016 5	6.468	0.0	267674.319	106.4922	ng/ml		100
T AR1016 5 #2	6.658	0.0	1284252.415	106.0657	ng/ml		100
T AR1260 1	8.201	0.0	540934.989	108.7702	ng/ml		100
T AR1260 2	8.751	0.0	823418.665	104.9334	ng/ml		100
T AR1260 1 #2	8.801	0.0	2862733.125	103.8596	ng/ml	m	100
T AR1260 2 #2	9.303	0.0	3388988.700	109.5226	ng/ml		100
T AR1260 3	9.370	0.0	855296.550	104.1016	ng/ml	m	100
T AR1260 3 #2	9.981	0.0	4255747.898	106.9126	ng/ml		100
T AR1260 4	10.014	0.0	501634.754	108.2286	ng/ml		100
T AR1260 4 #2	10.550	0.0	2783015.150	105.6374	ng/ml	m	100
T AR1260 5	10.849	0.0	606849.438	105.7473	ng/ml		100
T AR1260 5 #2	11.288	0.0	4209632.531	107.1075	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

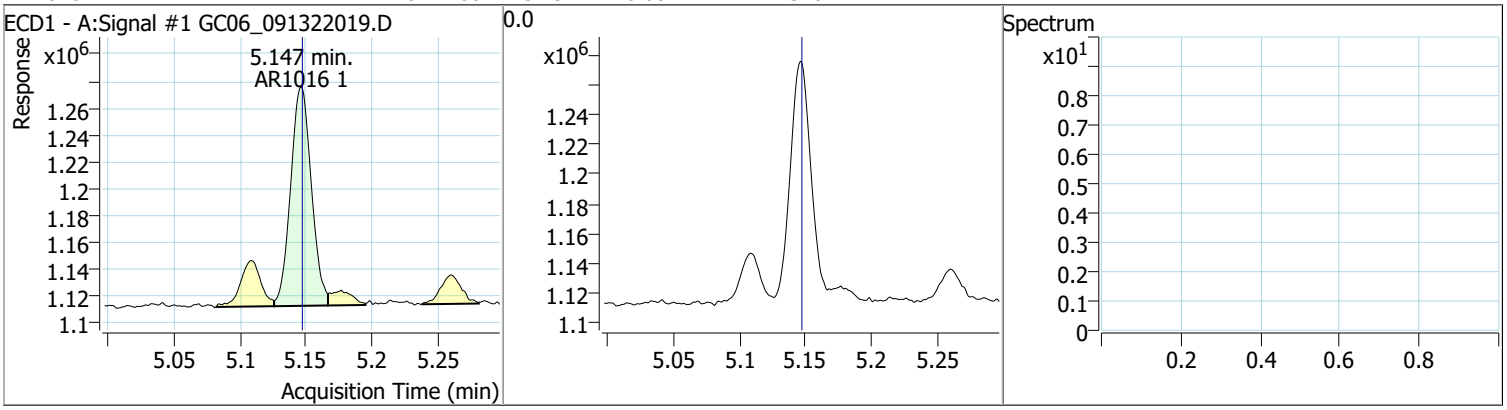
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	7.7951	4.75	0.00	3036323				



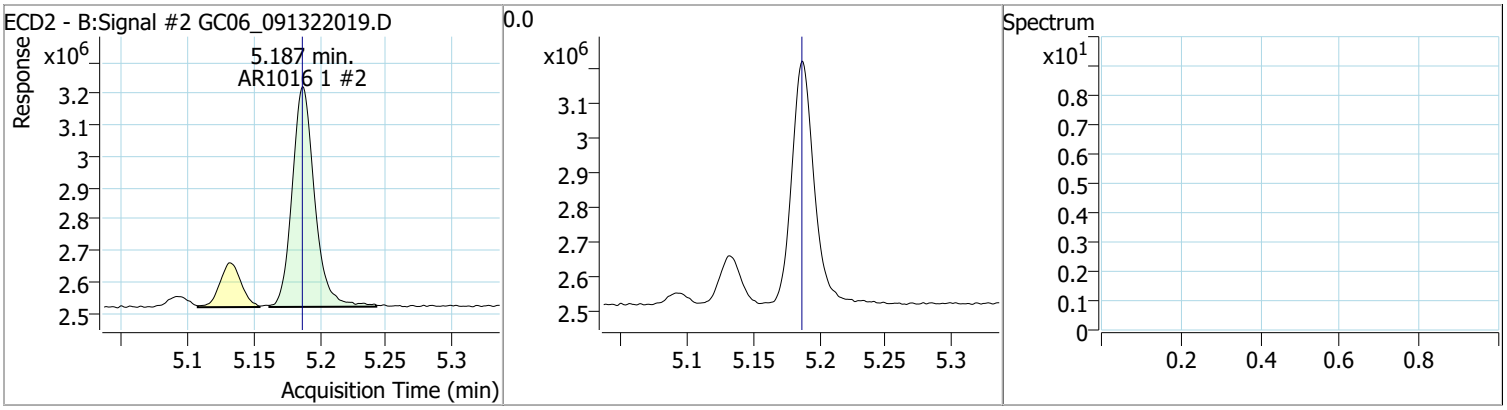
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	7.9792	4.81	0.00	642544				



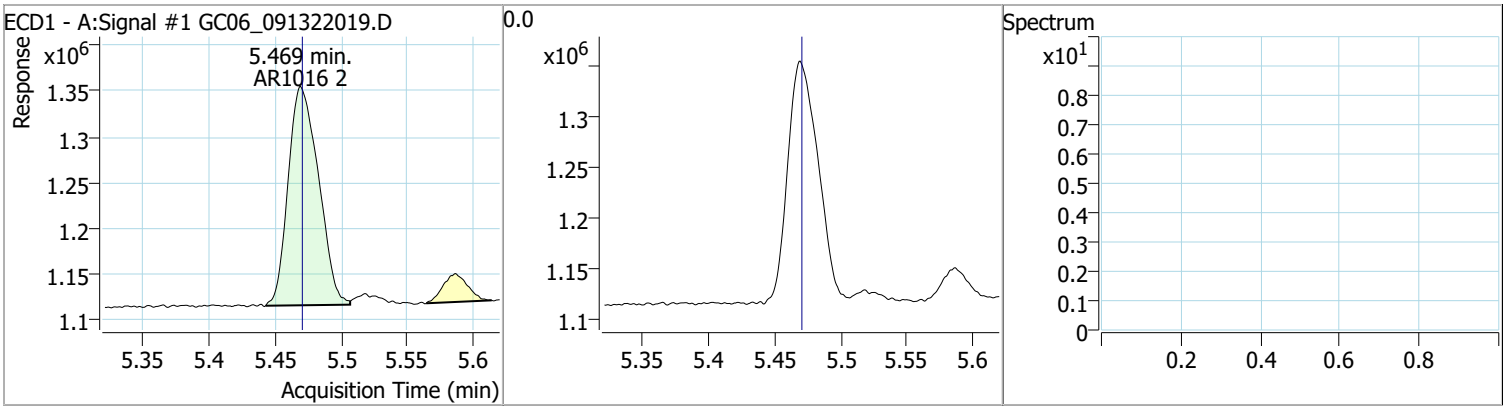
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	107.1480	5.15	0.00	177576				



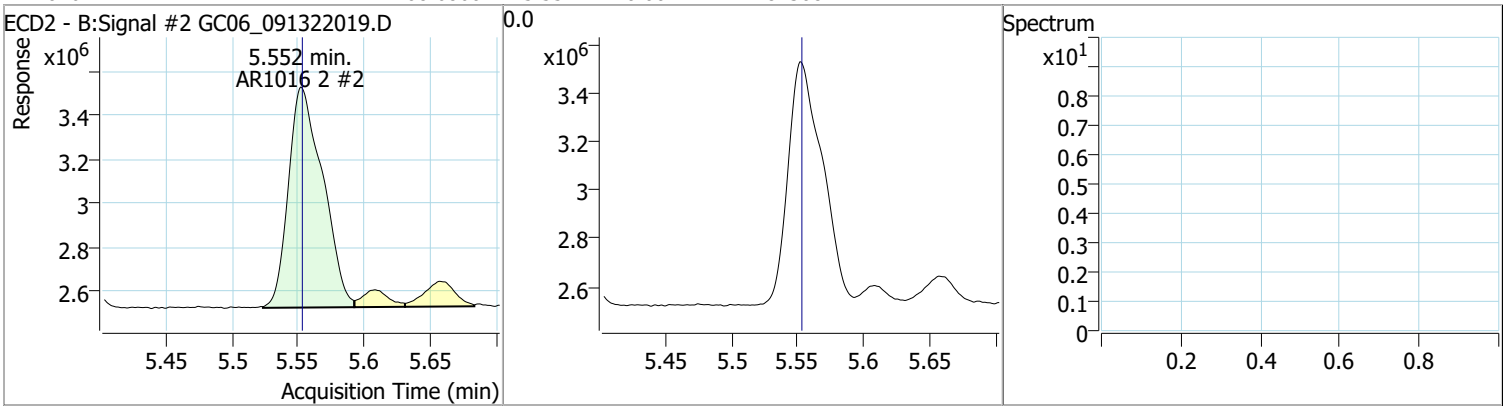
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	104.2725	5.19	0.00	834017				



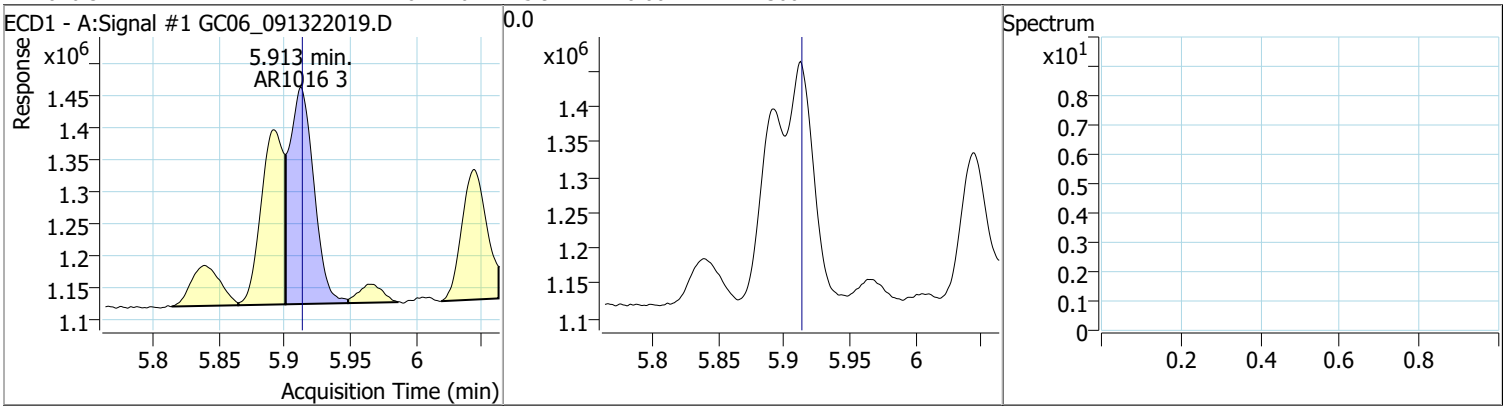
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	107.5172	5.47	0.00	380871				



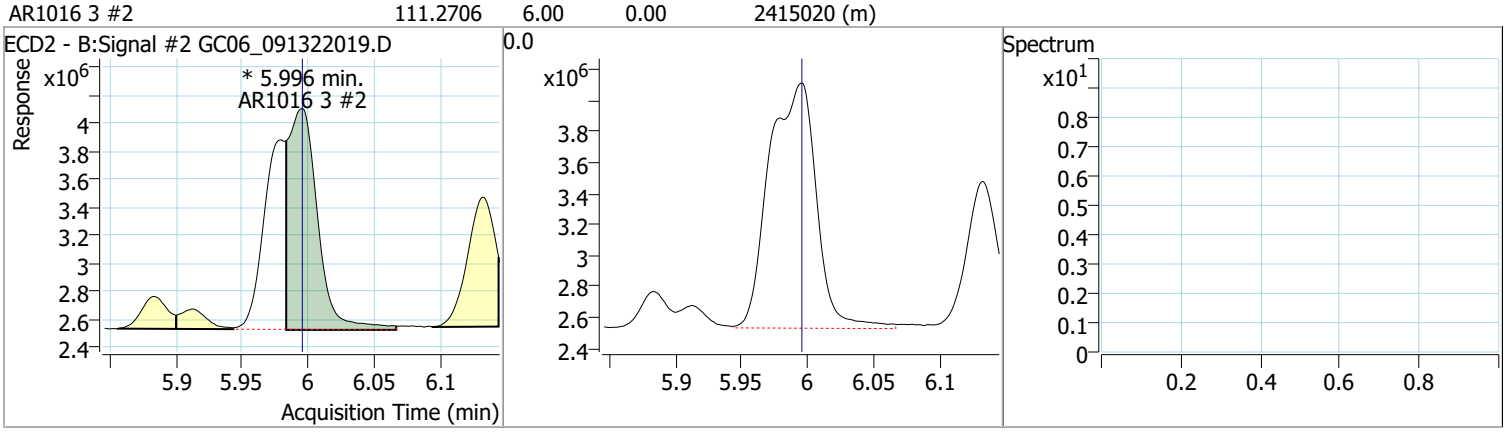
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	108.6860	5.55	0.00	1813081				



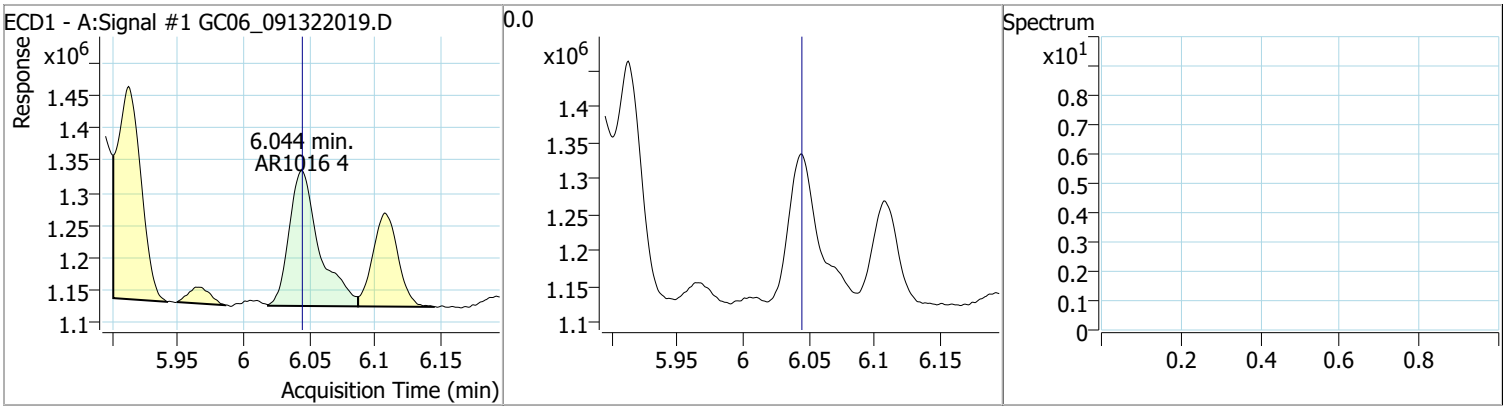
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	104.4162	5.91	0.00	436021				



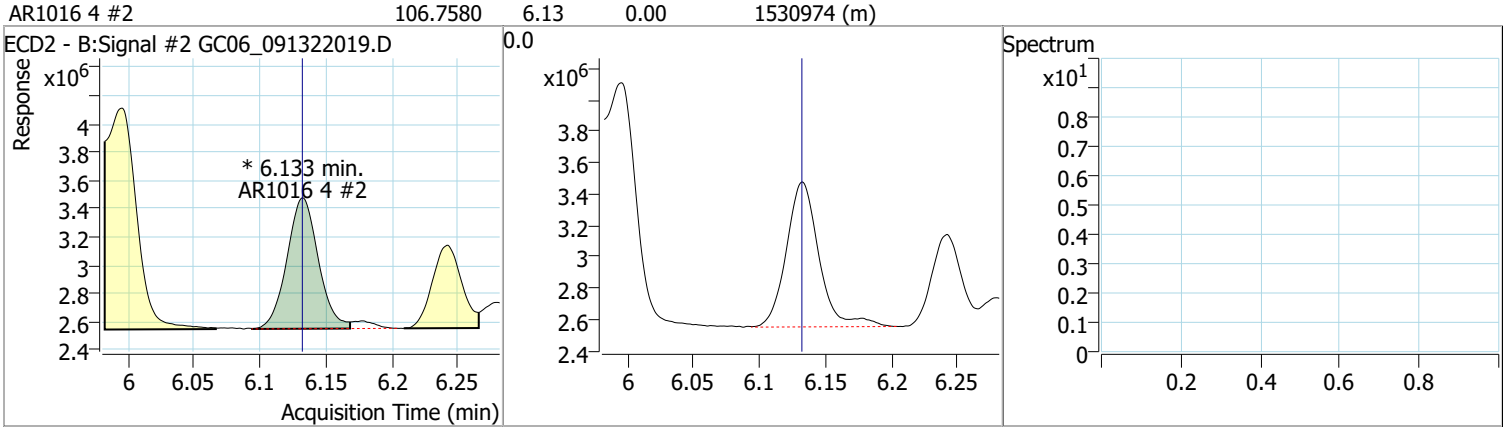
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	111.2706	6.00	0.00	2415020 (m)				



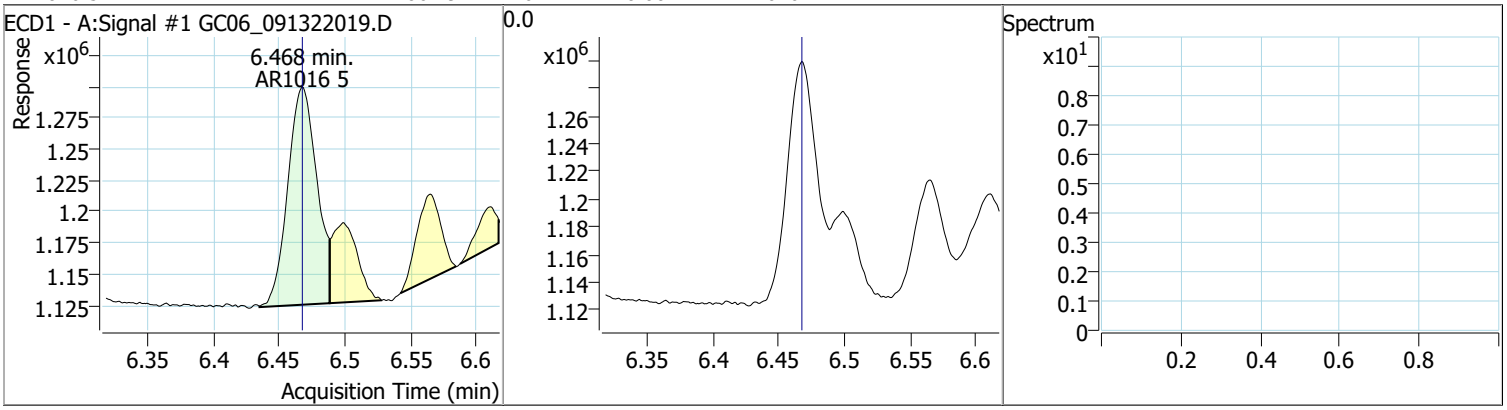
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	106.0017	6.04	0.00	333169				



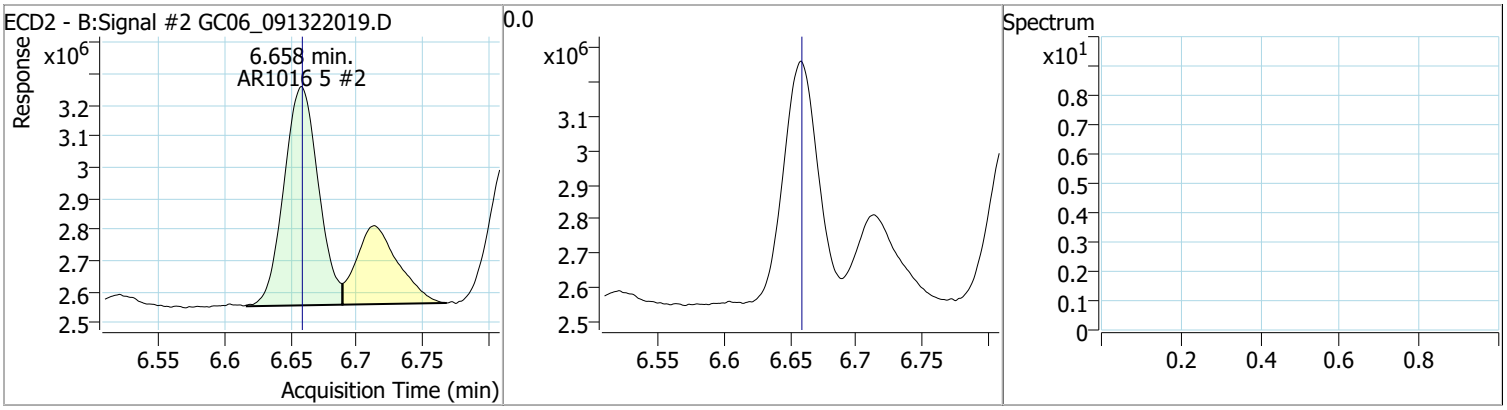
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AR1016 4 #2	106.7580	6.13	0.00	1530974 (m)				



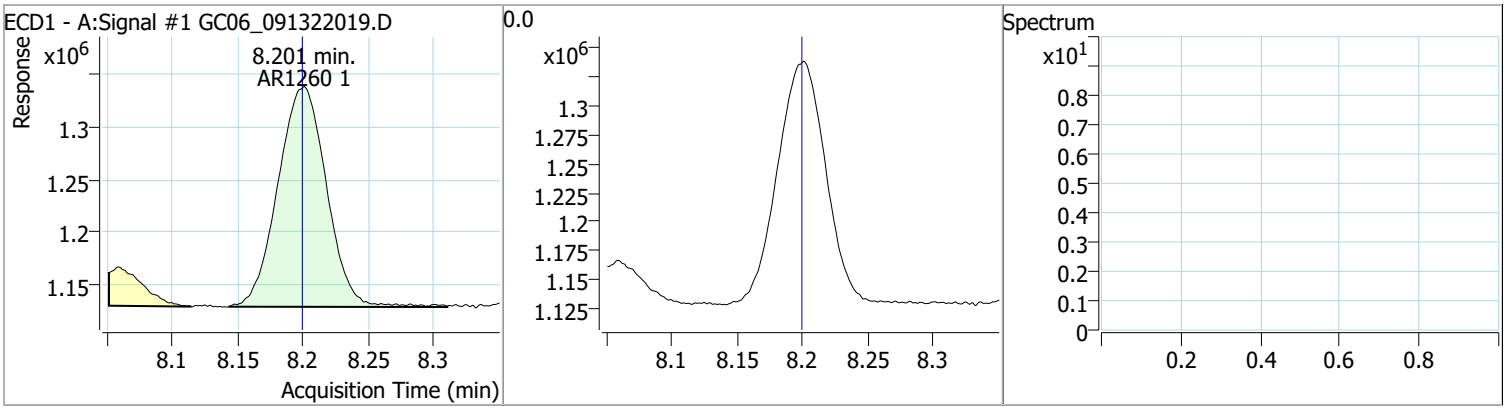
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AR1016 5	106.4922	6.47	0.00	267674				



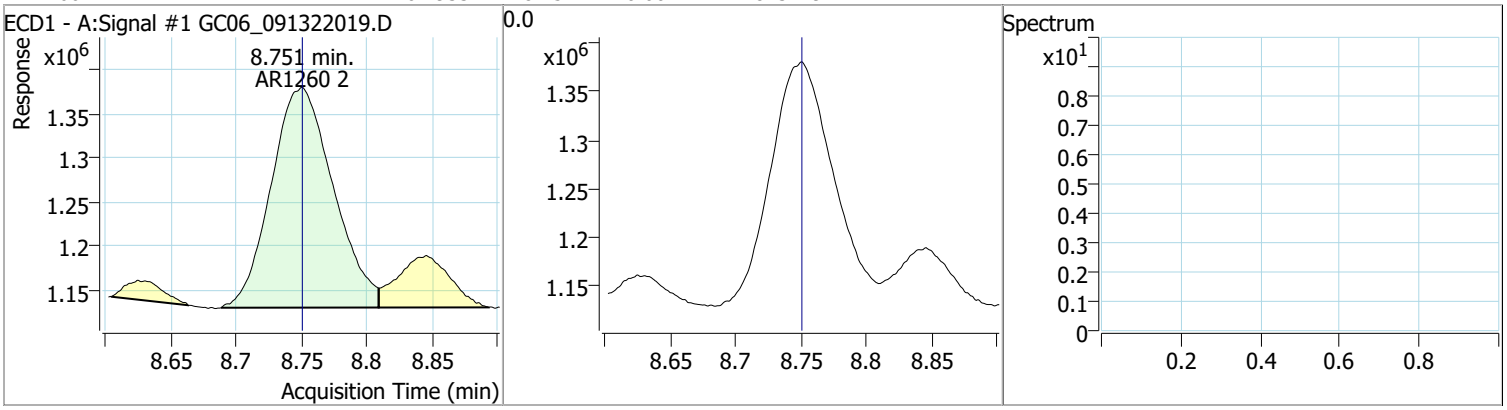
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	106.0657	6.66	0.00	1284252				



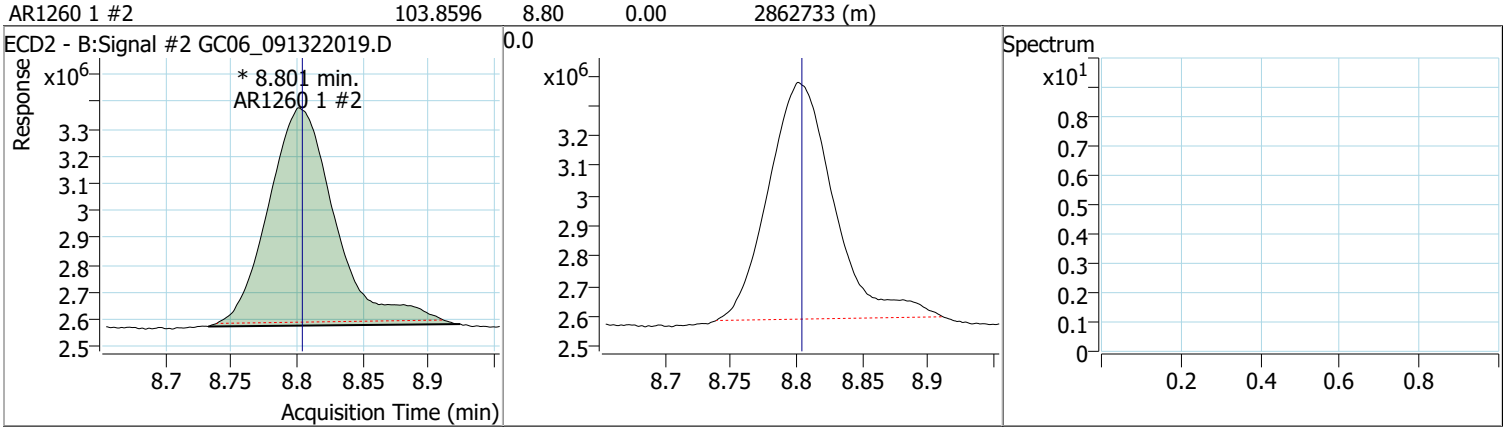
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	108.7702	8.20	0.00	540935				



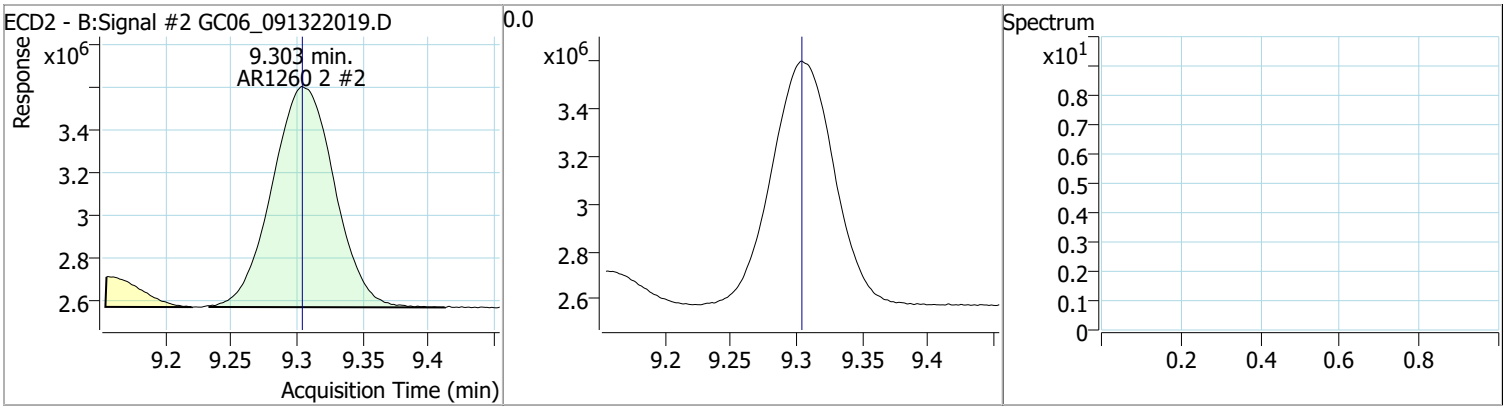
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	104.9334	8.75	0.00	823419				



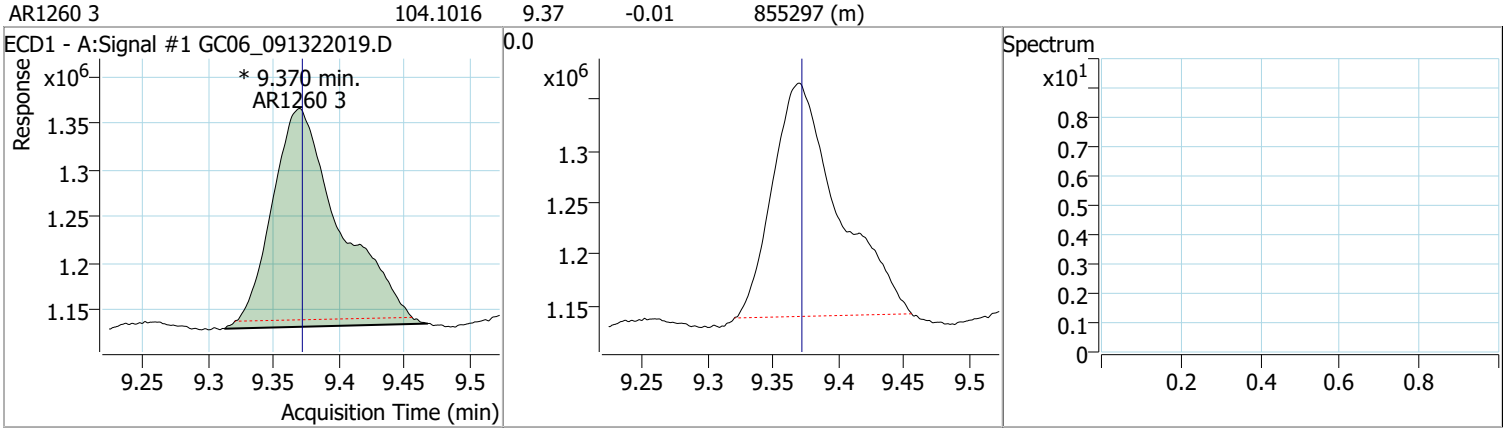
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	103.8596	8.80	0.00	2862733 (m)				



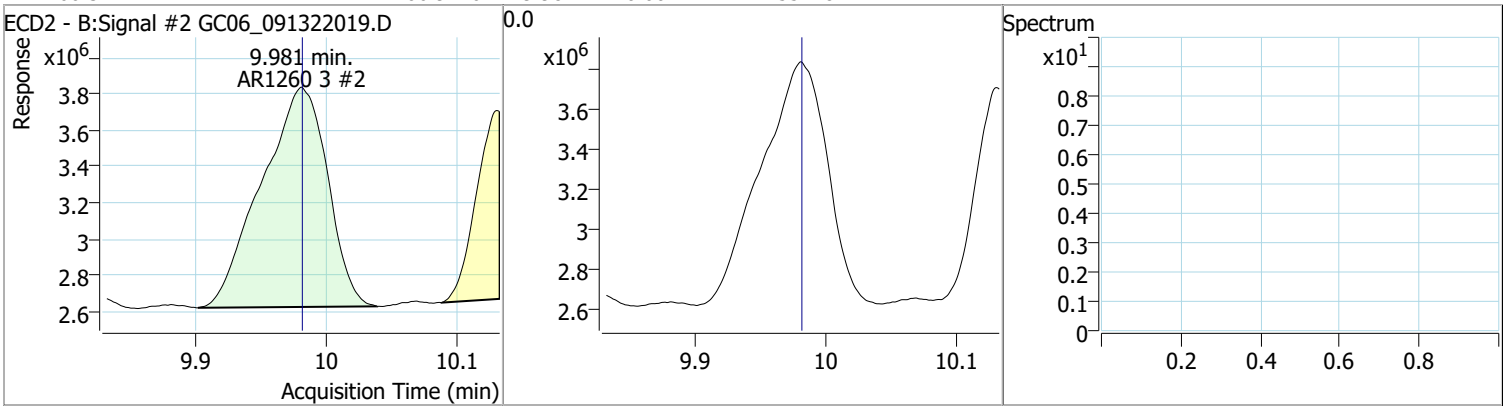
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	109.5226	9.30	0.00	3388989				



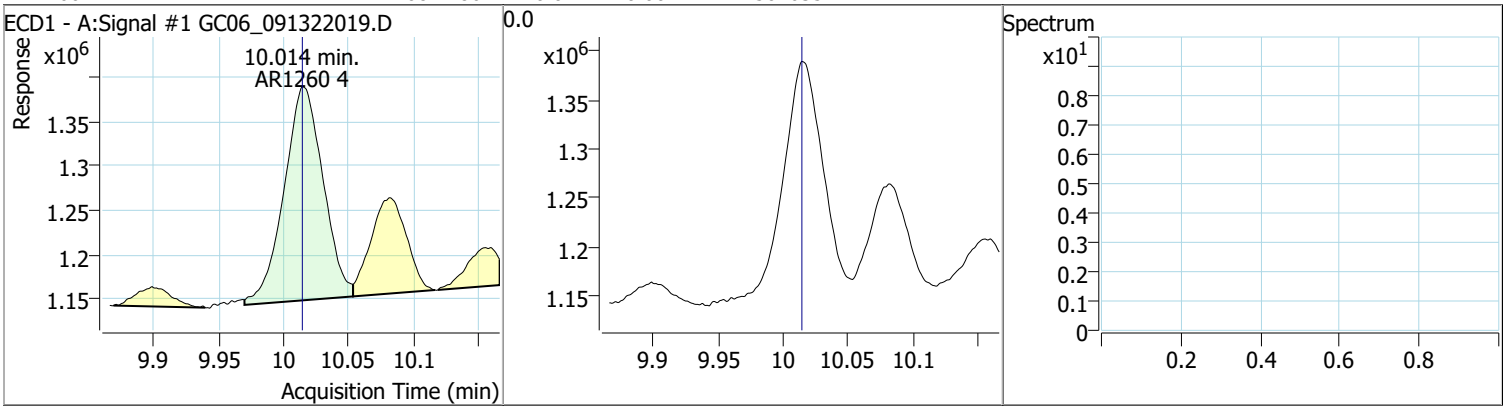
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	104.1016	9.37	-0.01	855297 (m)				



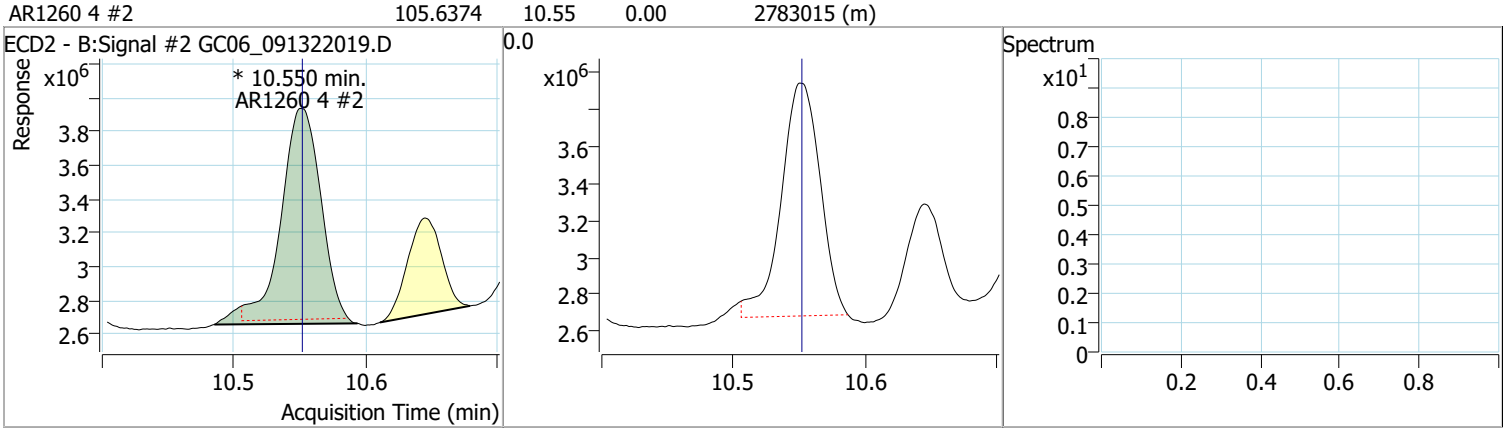
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	106.9126	9.98	0.00	4255748				



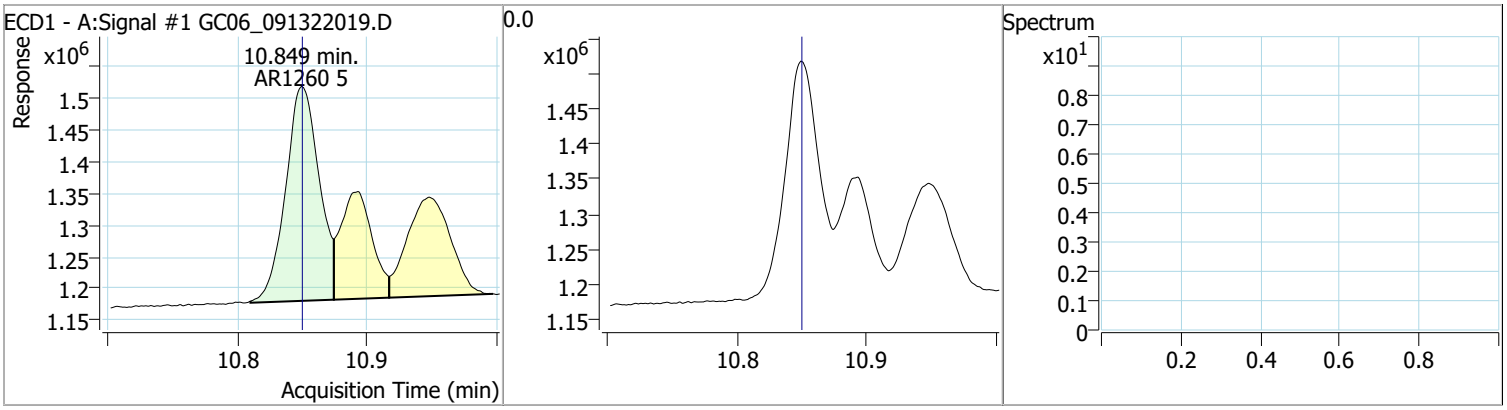
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	108.2286	10.01	0.00	501635				



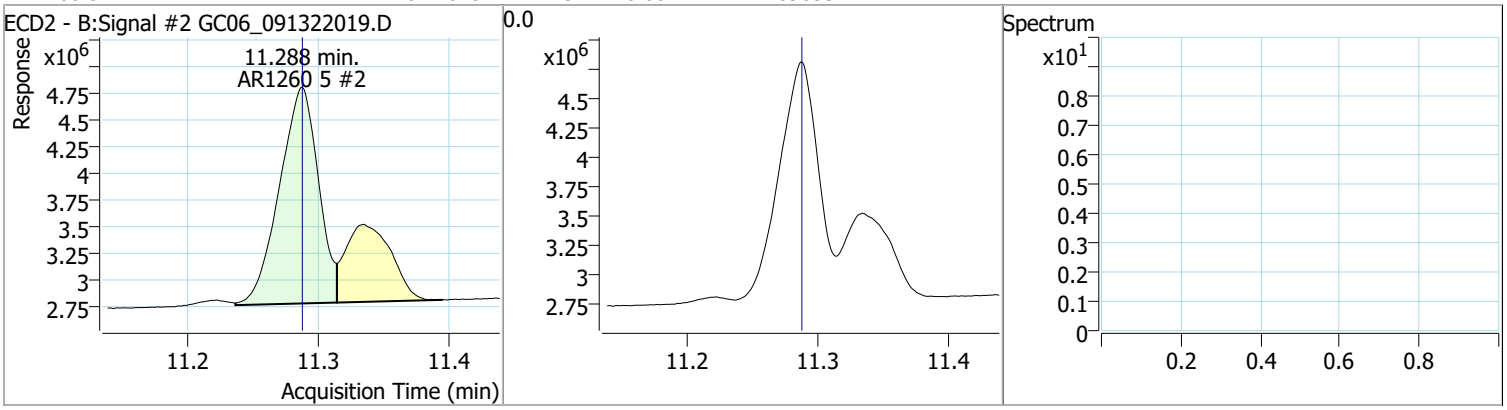
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	105.6374	10.55	0.00	2783015 (m)				



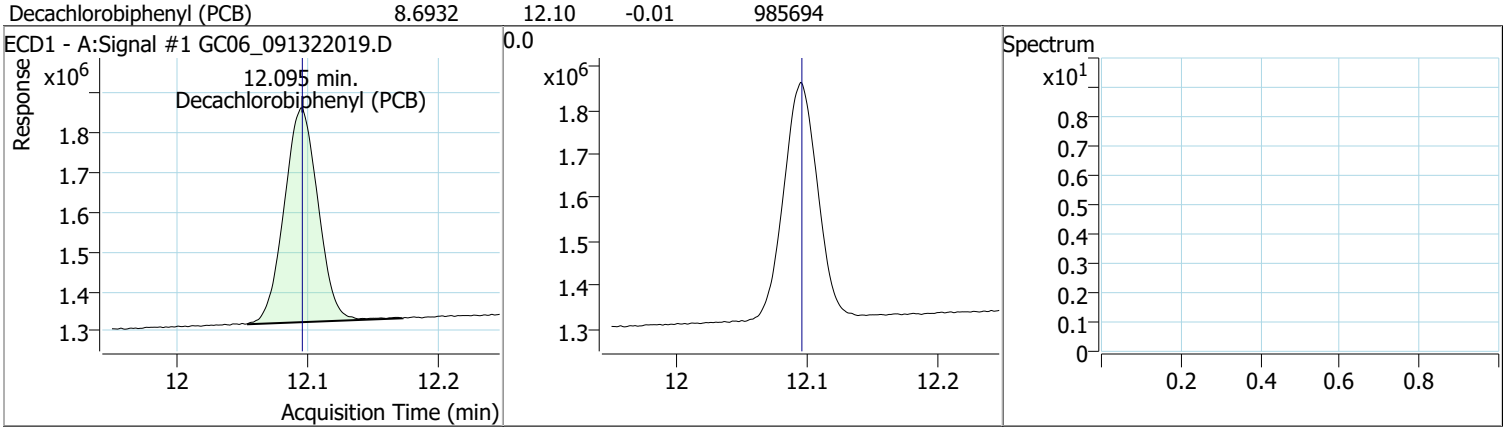
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	105.7473	10.85	0.00	606849				



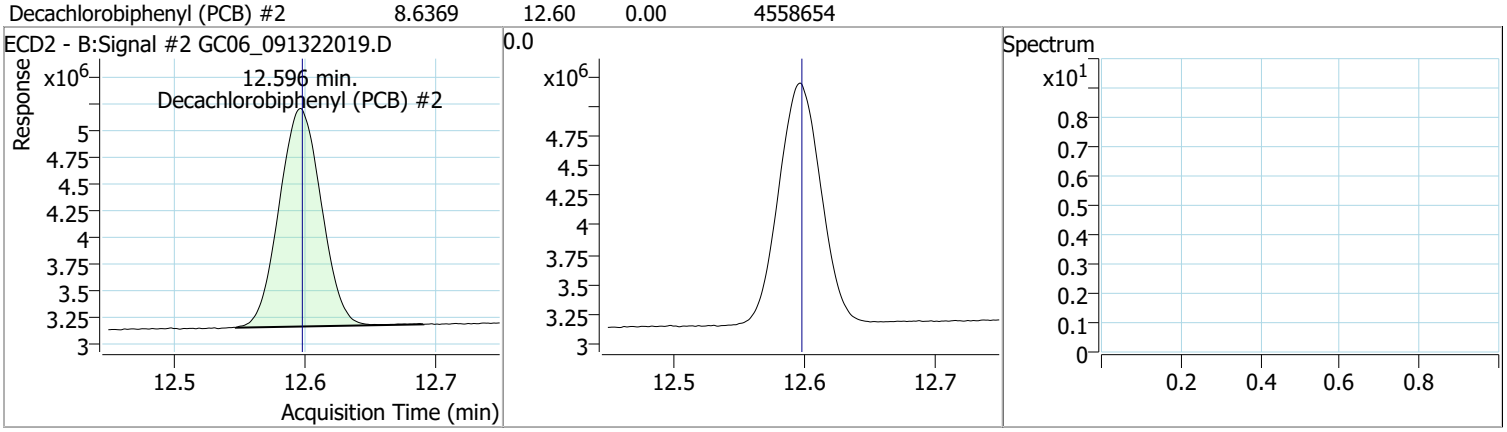
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	107.1075	11.29	0.00	4209633				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.6932	12.10	-0.01	985694				

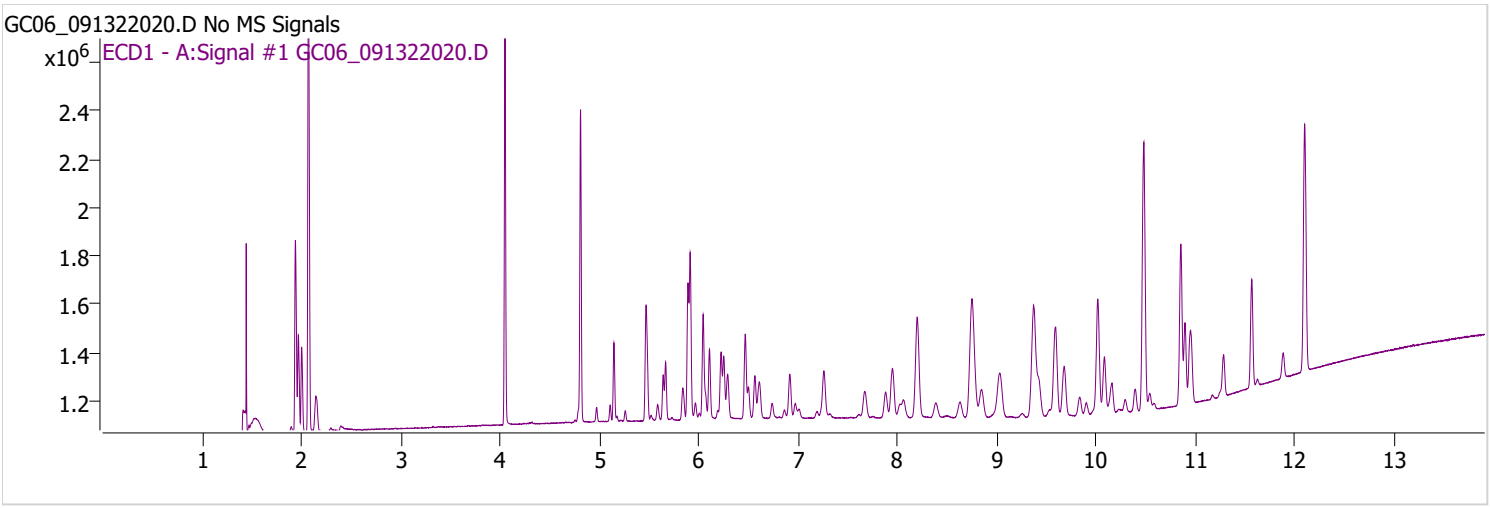


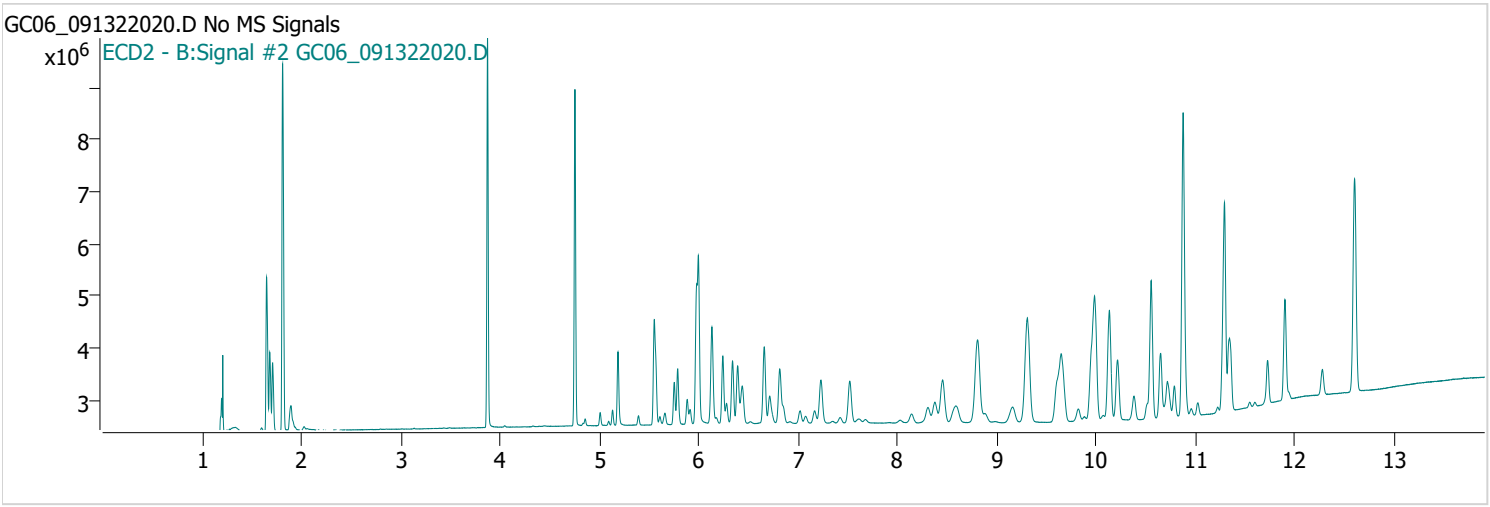
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	8.6369	12.60	0.00	4558654				



Quantitation Results Report (Not Reviewed)

Data File	GC06_091322020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 1:31:47 AM
Sample Name	ICAL, S16585, 8	Instrument	SVOA-GC06
Vial	44	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



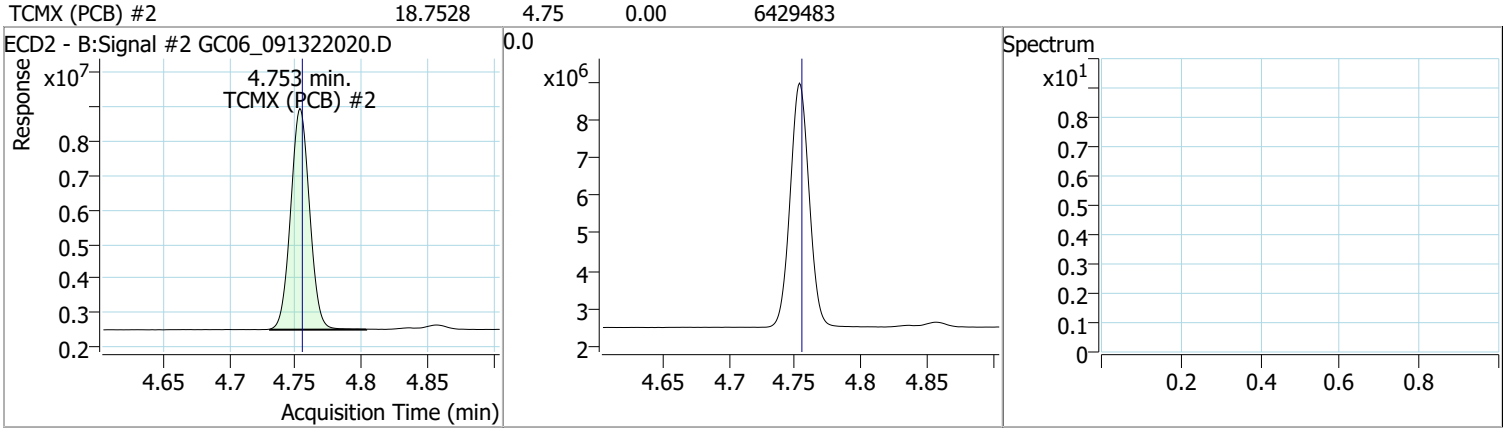


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	7003690.419	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB)	4.050	0.0	1491456.193	20.0000	ng/ml	-0.002
System Monitoring Compounds						
S TCMX (PCB) #2	4.753	0.0	6429482.945	18.7528	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.76%		
S TCMX (PCB)	4.810	0.0	1341674.456	18.8857	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.43%		
S Decachlorobiphenyl (PCB)	12.096	0.0	1905760.388	19.0517	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.26%		
S Decachlorobiphenyl (PCB) #2	12.598	0.0	8863175.874	19.0779	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.39%		
Target Compounds						QValue

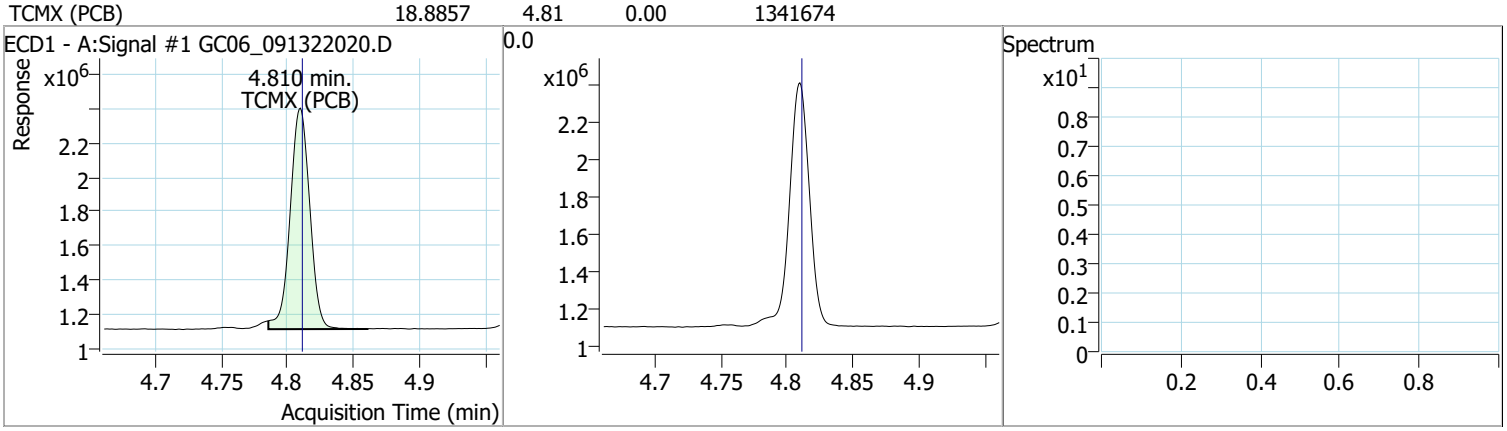
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.146	0.0	358031.604	244.8775	ng/ml		100
T AR1016 1 #2	5.187	0.0	1718788.184	244.1383	ng/ml		100
T AR1016 2	5.469	0.0	768186.507	245.8072	ng/ml		100
T AR1016 2 #2	5.552	0.0	3653354.323	248.8096	ng/ml		100
T AR1016 3	5.913	0.0	883762.513	239.8962	ng/ml		100
T AR1016 3 #2	5.995	0.0	4555791.509	238.4748	ng/ml	m	100
T AR1016 4	6.043	0.0	668437.555	241.0663	ng/ml		100
T AR1016 4 #2	6.132	0.0	3137288.338	248.5456	ng/ml		100
T AR1016 5	6.467	0.0	529403.210	238.7401	ng/ml		100
T AR1016 5 #2	6.658	0.0	2641587.938	247.8612	ng/ml		100
T AR1260 1	8.197	0.0	1058971.165	241.3663	ng/ml		100
T AR1260 2	8.750	0.0	1627428.375	235.0838	ng/ml		100
T AR1260 1 #2	8.805	0.0	5930954.145	244.4609	ng/ml		100
T AR1260 2 #2	9.306	0.0	6528251.142	239.6897	ng/ml		100
T AR1260 3	9.368	0.0	1729029.300	238.5453	ng/ml		100
T AR1260 3 #2	9.982	0.0	8410140.185	240.0353	ng/ml		100
T AR1260 4	10.015	0.0	975850.215	238.6521	ng/ml		100
T AR1260 4 #2	10.552	0.0	5458323.050	235.3859	ng/ml	m	100
T AR1260 5	10.851	0.0	1211015.369	239.2026	ng/ml		100
T AR1260 5 #2	11.289	0.0	8231306.381	237.9377	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

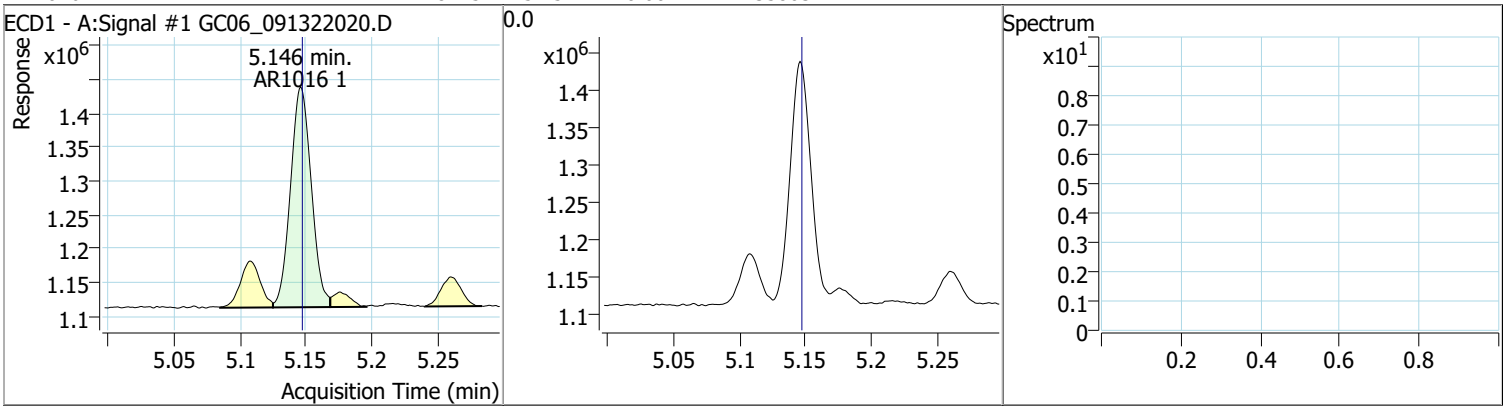
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.7528	4.75	0.00	6429483				



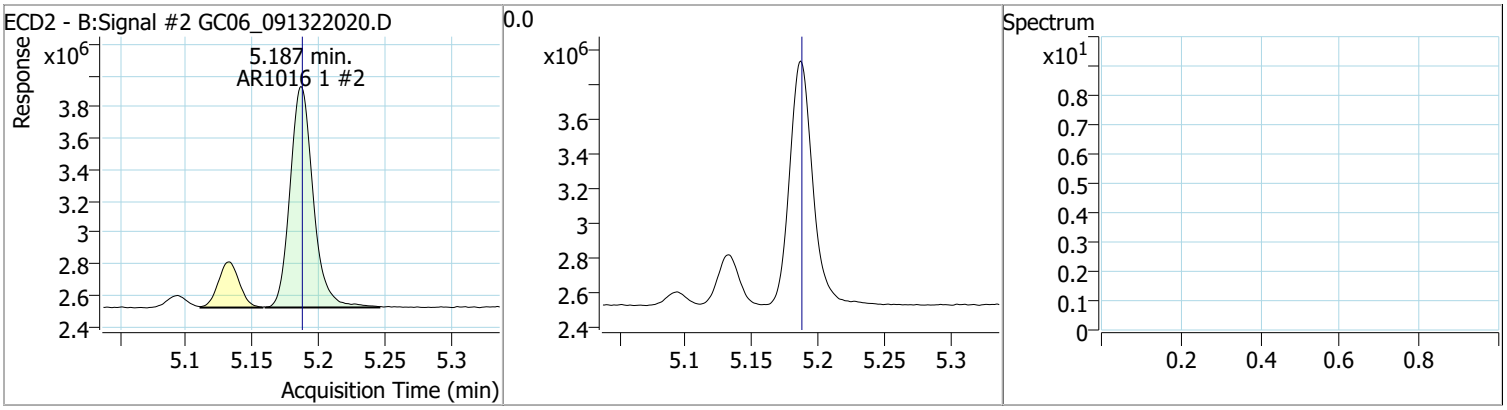
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TCMX (PCB)	18.8857	4.81	0.00	1341674				



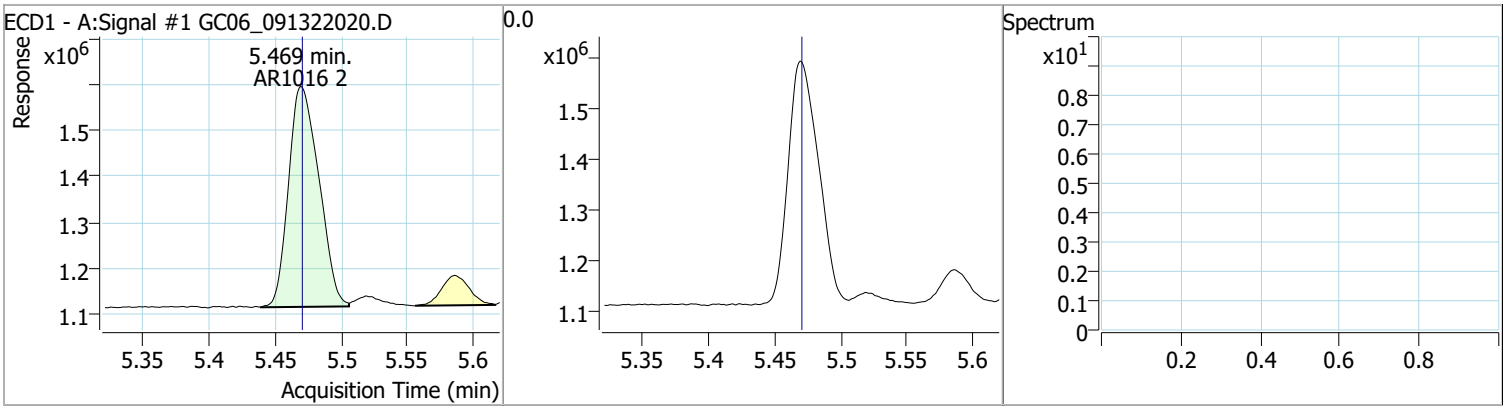
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	244.8775	5.15	0.00	358032				



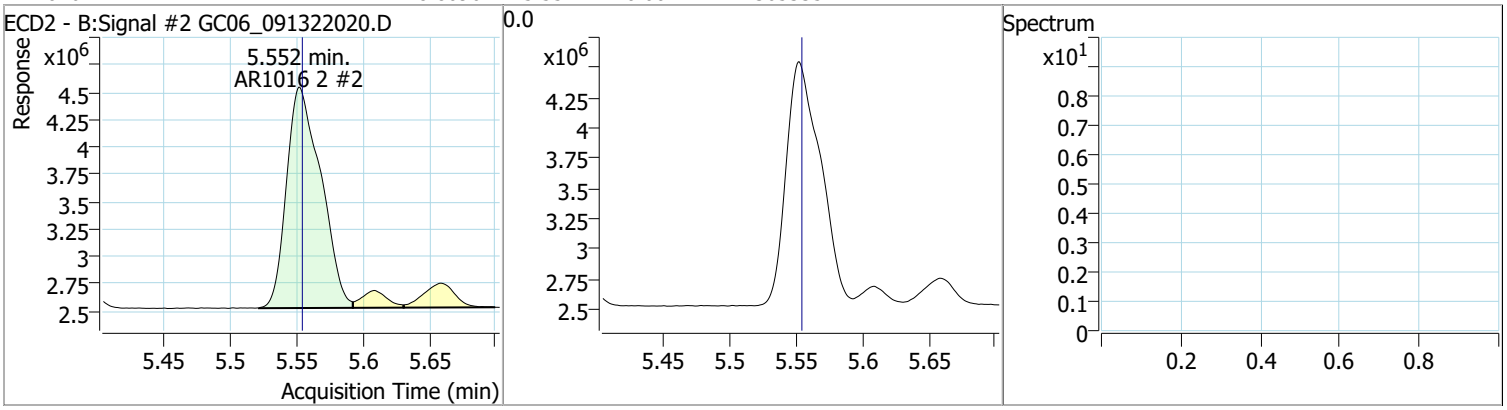
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	244.1383	5.19	0.00	1718788				



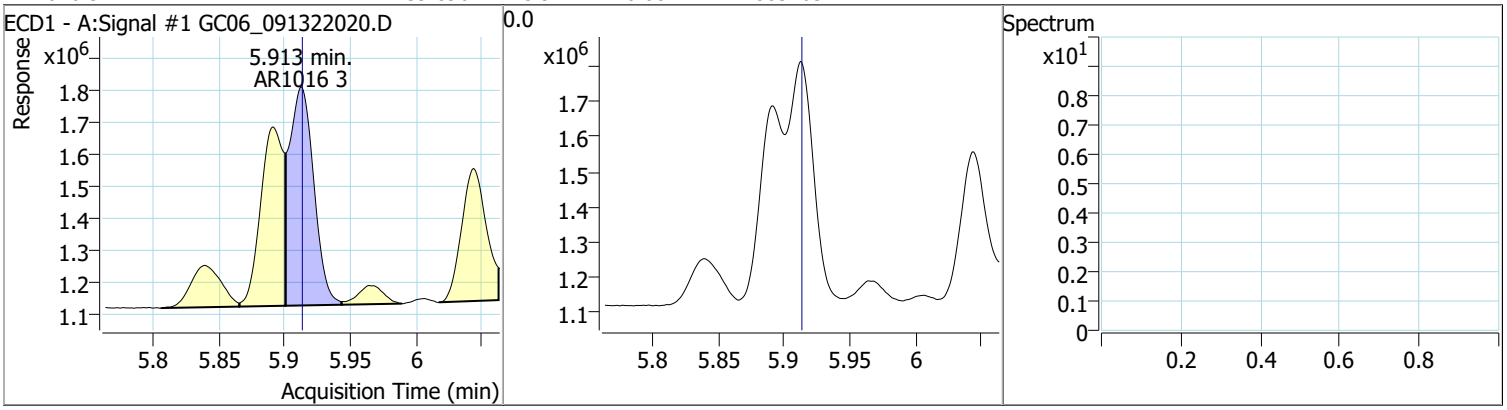
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	245.8072	5.47	0.00	768187				



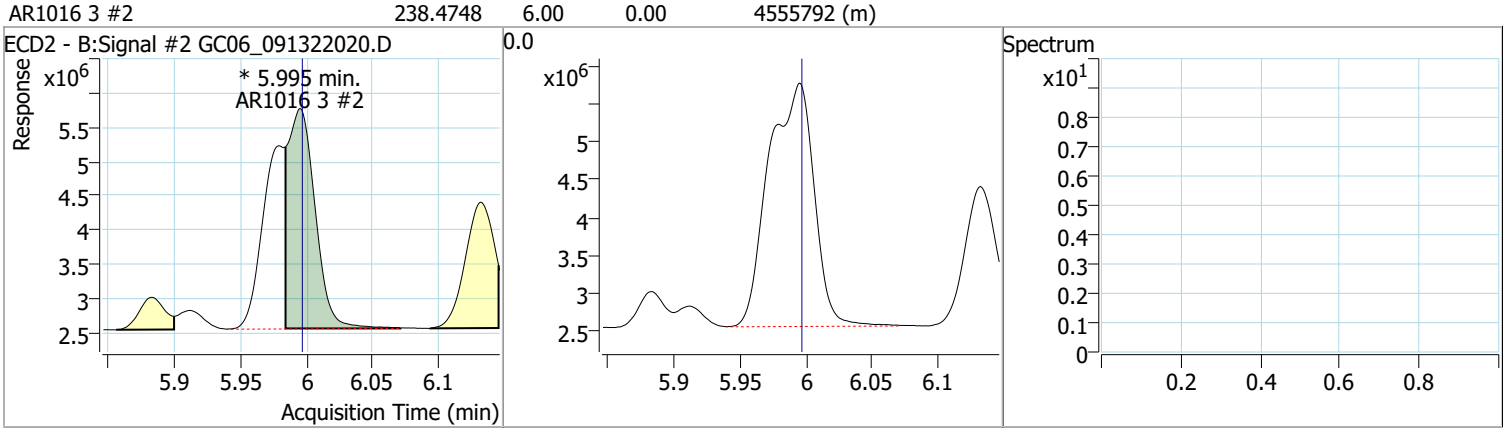
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	248.8096	5.55	0.00	3653354				



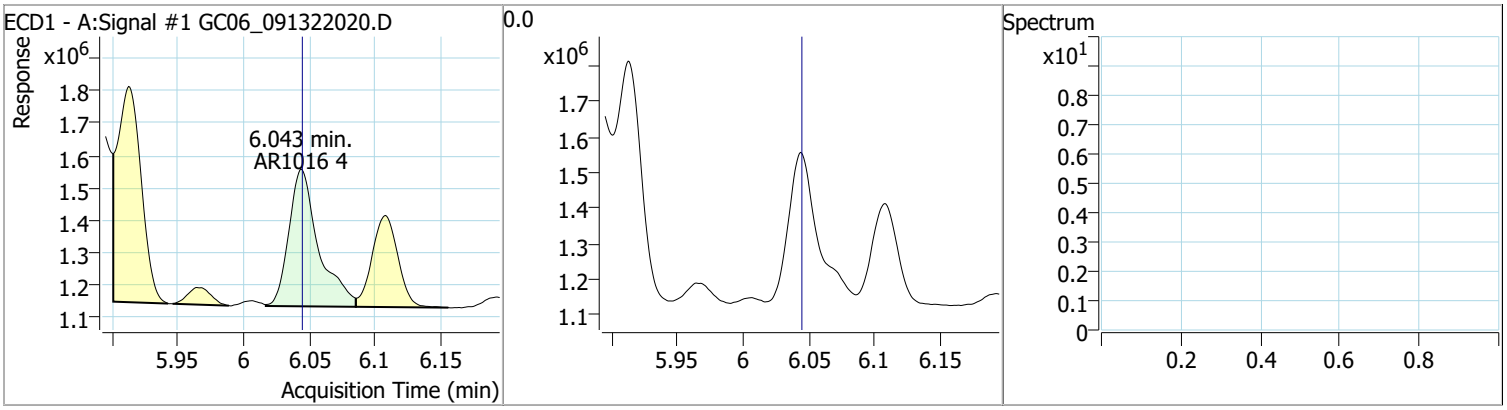
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	239.8962	5.91	0.00	883763				



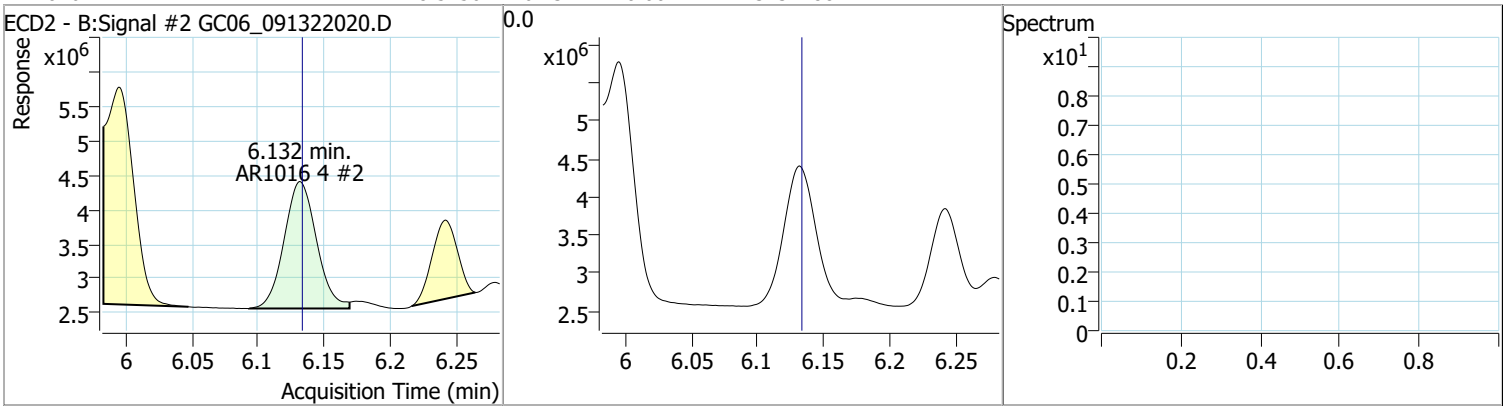
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AR1016 3 #2	238.4748	6.00	0.00	4555792 (m)				



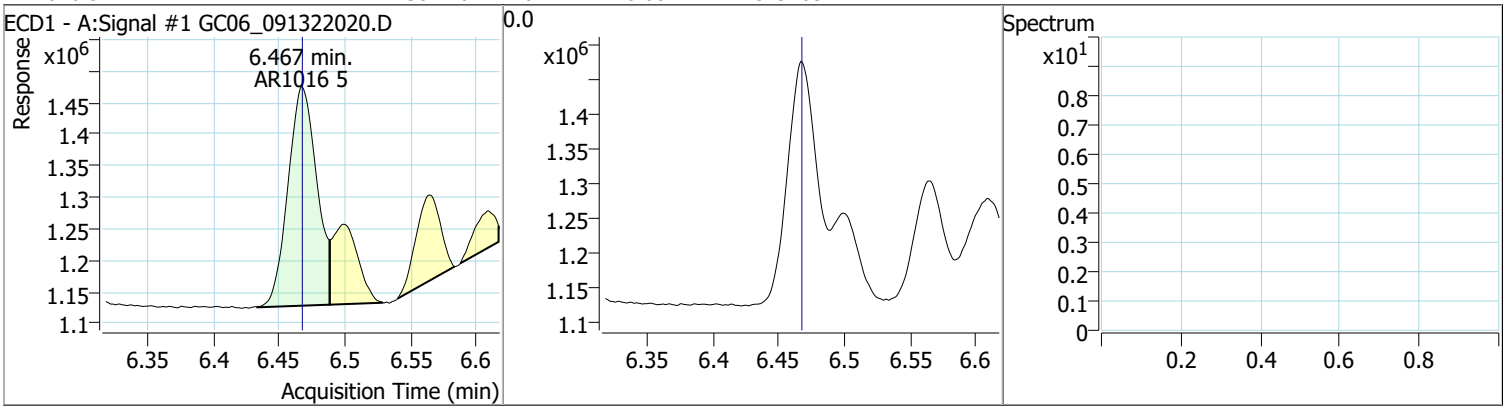
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AR1016 4	241.0663	6.04	0.00	668438				



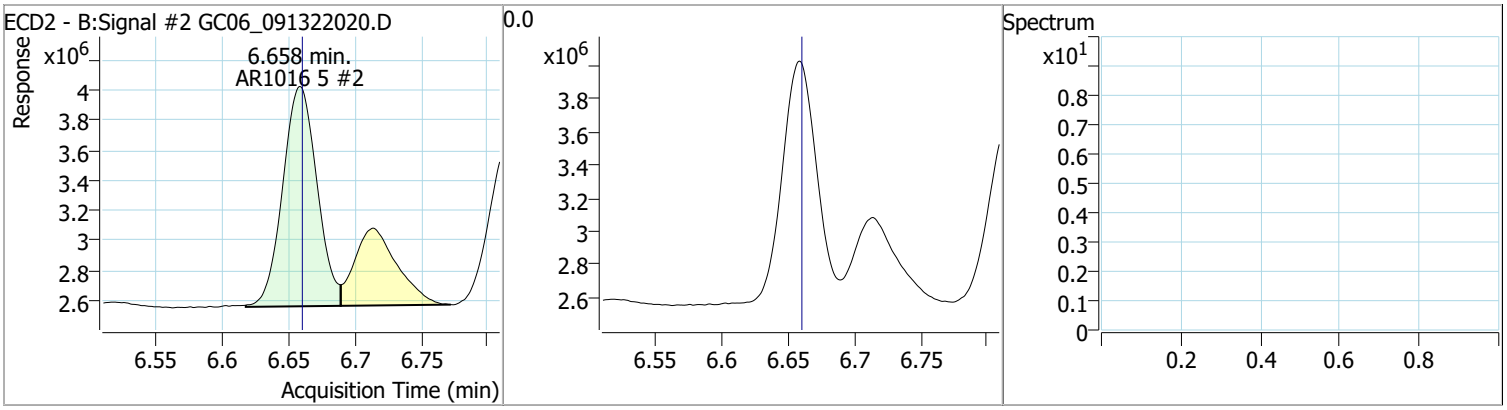
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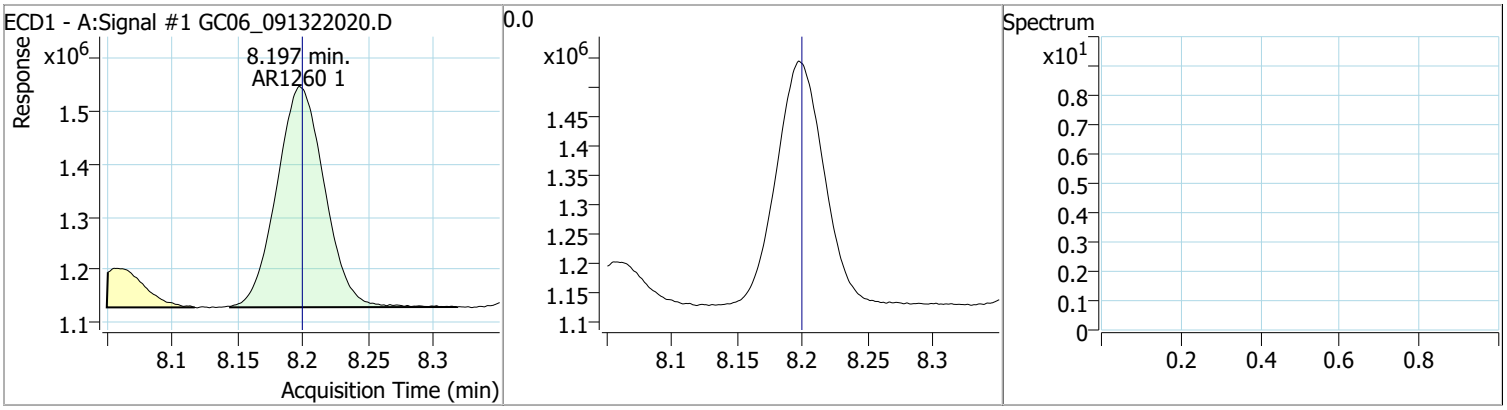
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	238.7401	6.47	0.00	529403				



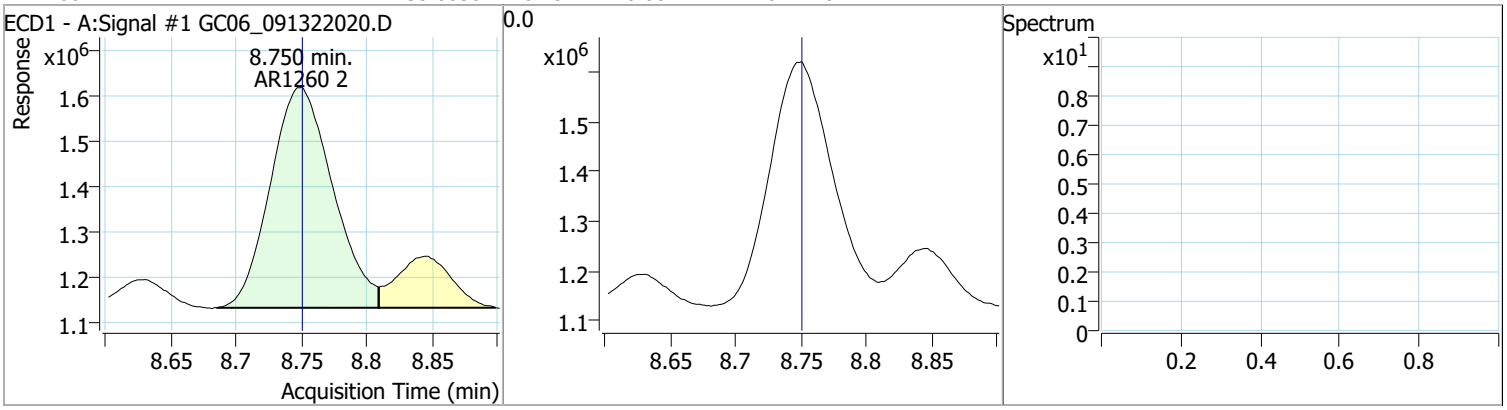
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AR1016 5 #2	247.8612	6.66	0.00	2641588				



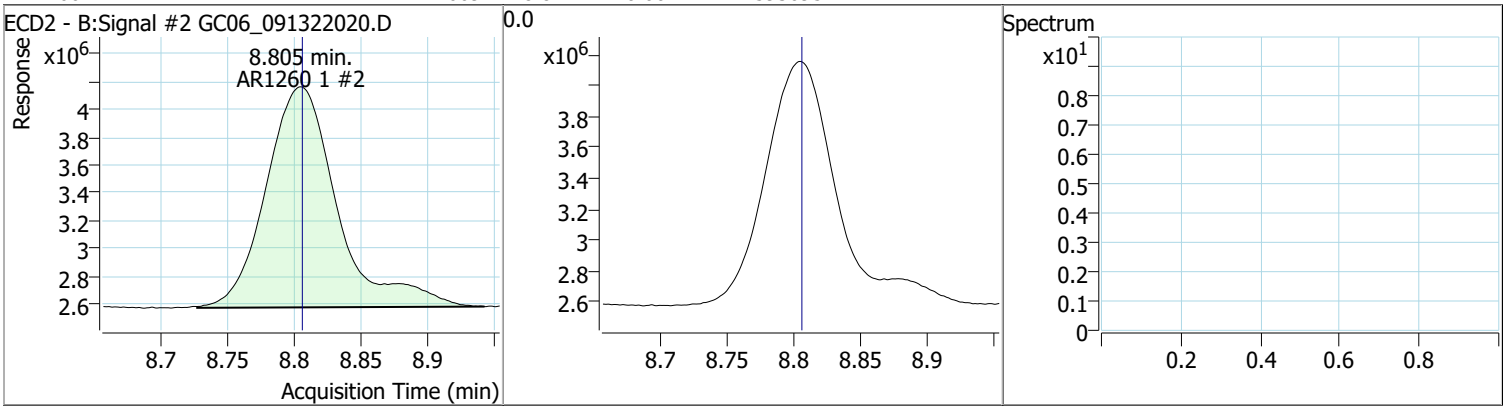
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	241.3663	8.20	-0.01	1058971				



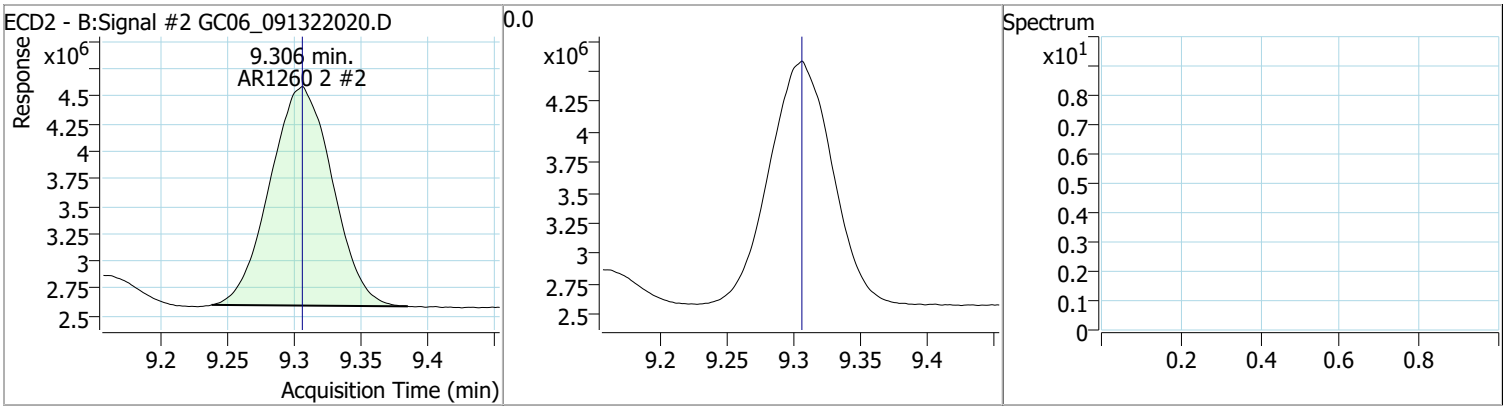
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AR1260 2	235.0838	8.75	0.00	1627428				



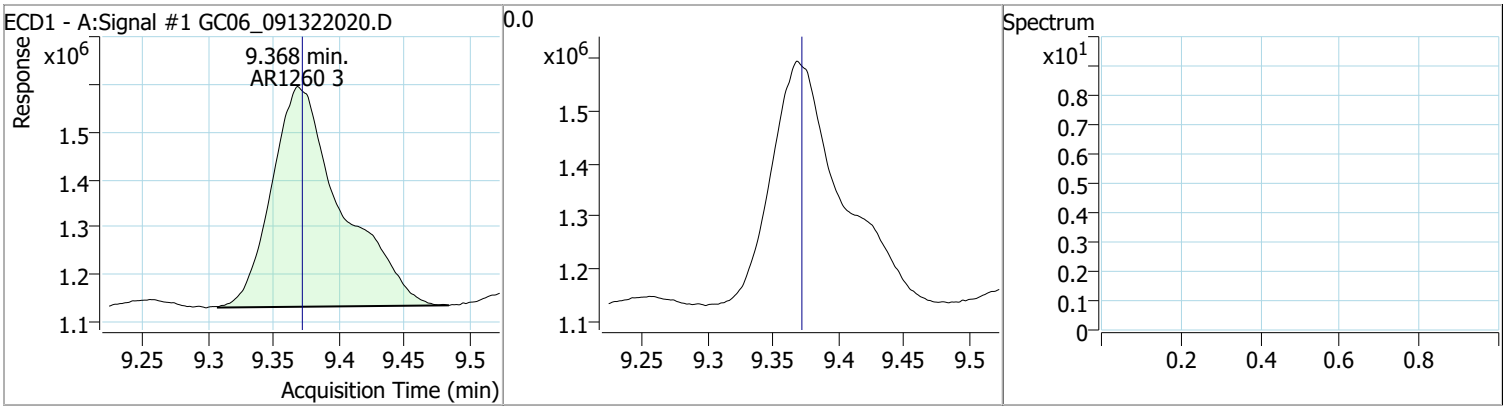
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	244.4609	8.81	0.00	5930954				



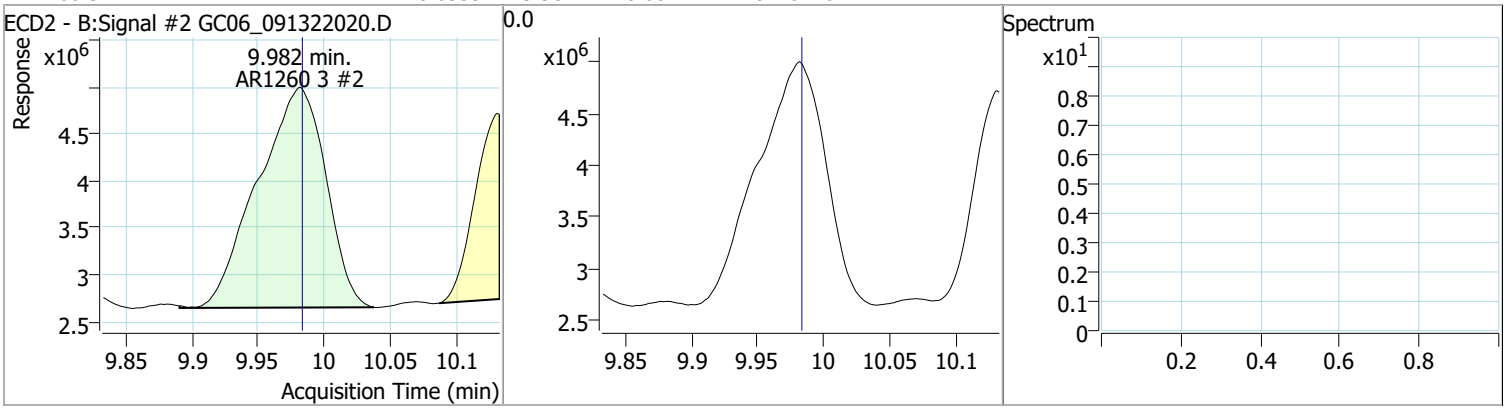
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AR1260 2 #2	239.6897	9.31	0.00	6528251				



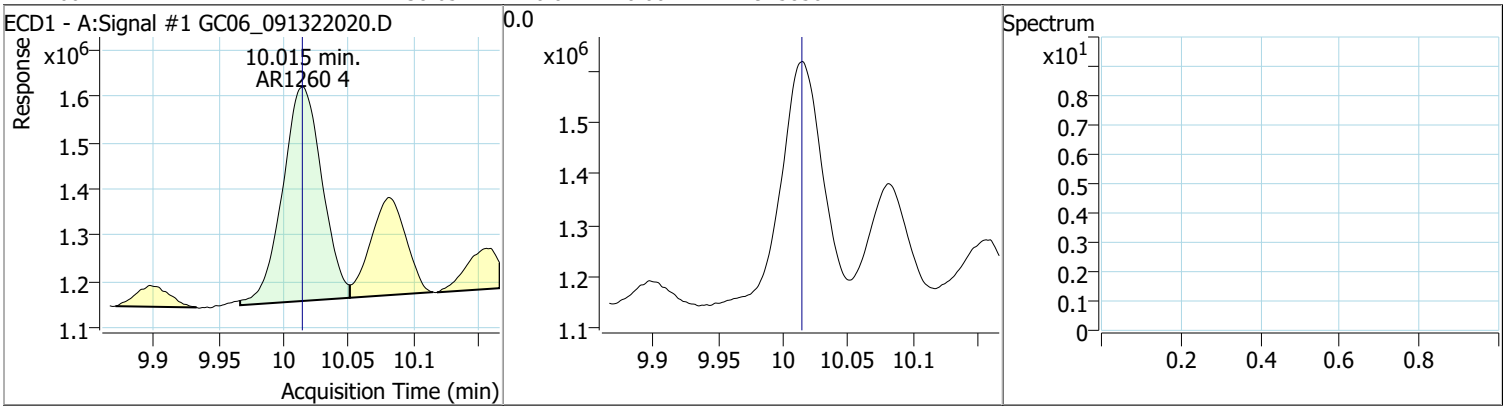
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	238.5453	9.37	-0.01	1729029				



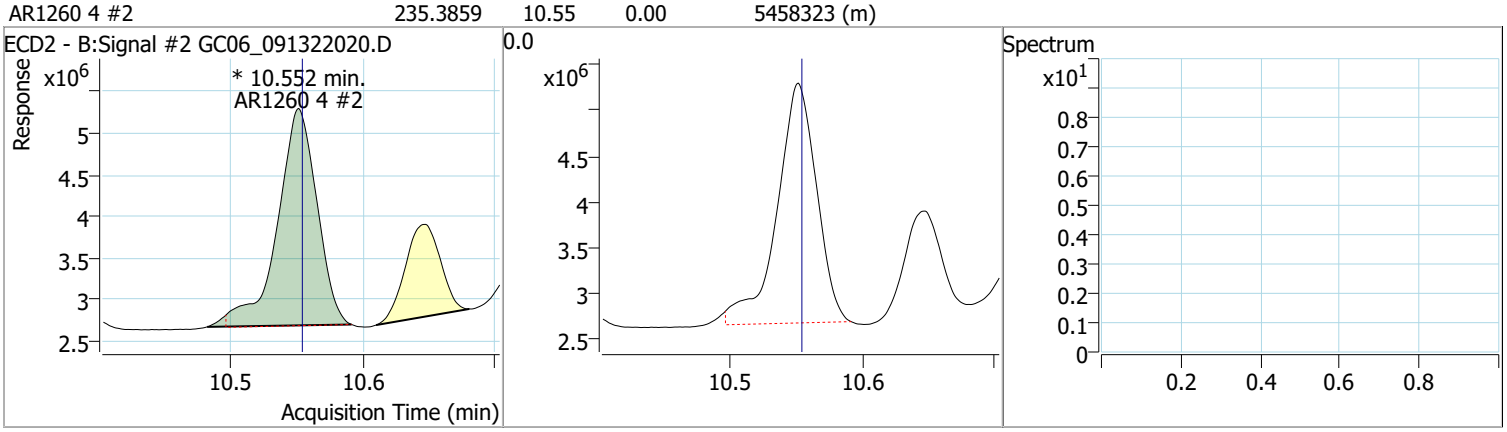
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	240.0353	9.98	0.00	8410140				



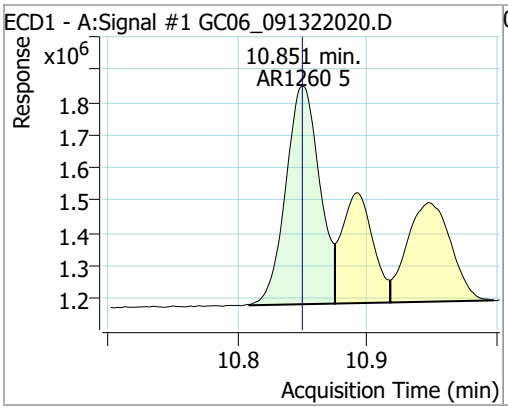
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	238.6521	10.02	0.00	975850				

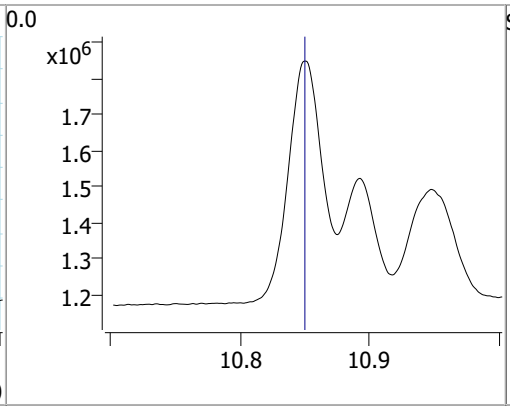


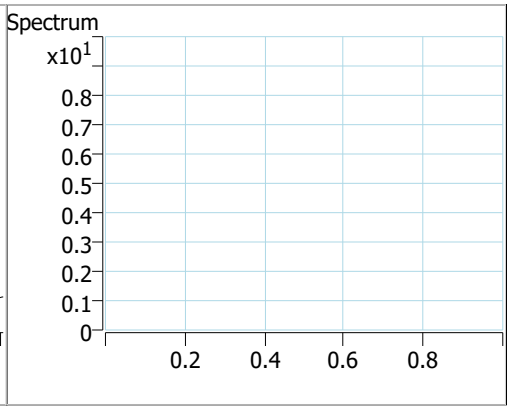
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	235.3859	10.55	0.00	5458323 (m)				



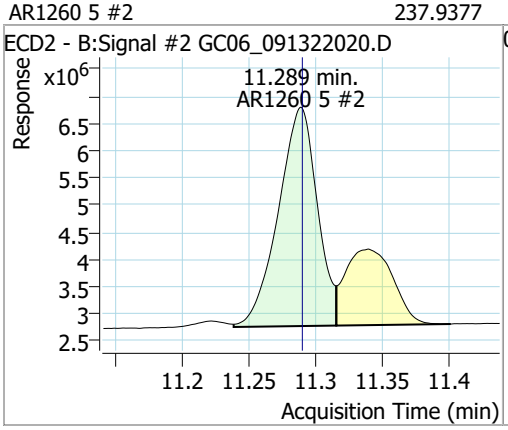
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	239.2026	10.85	0.00	1211015				

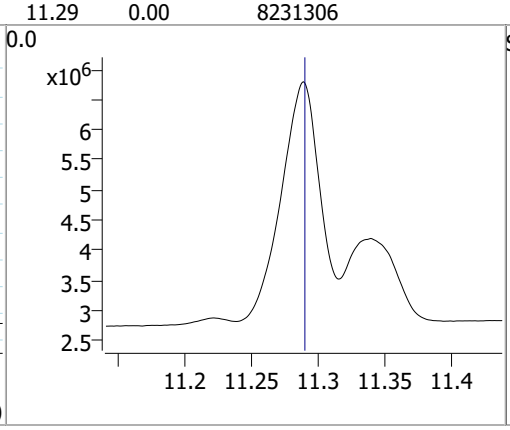


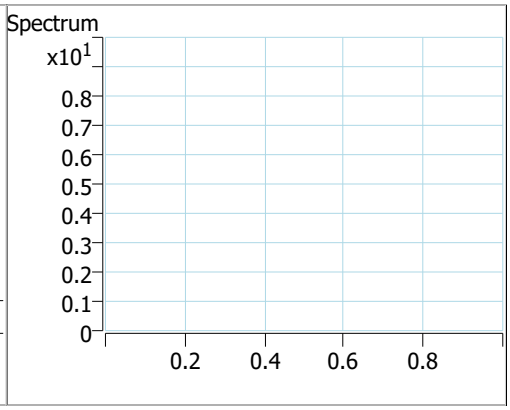




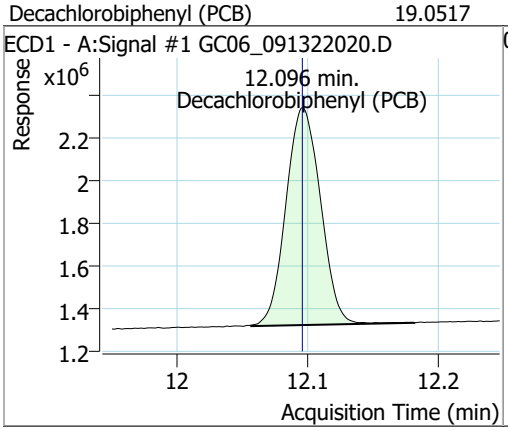
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	237.9377	11.29	0.00	8231306				

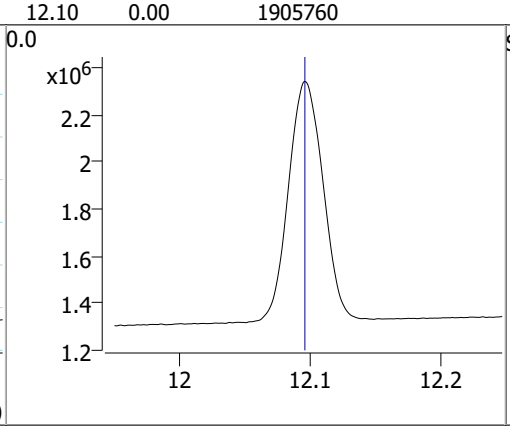


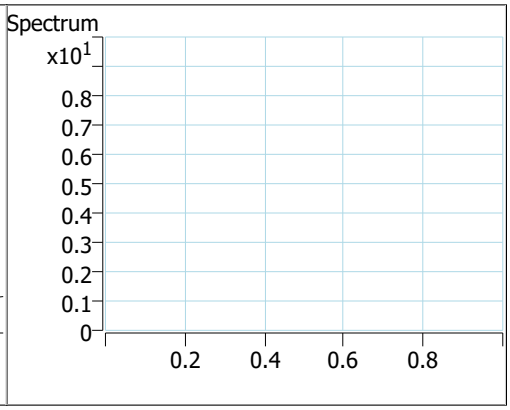




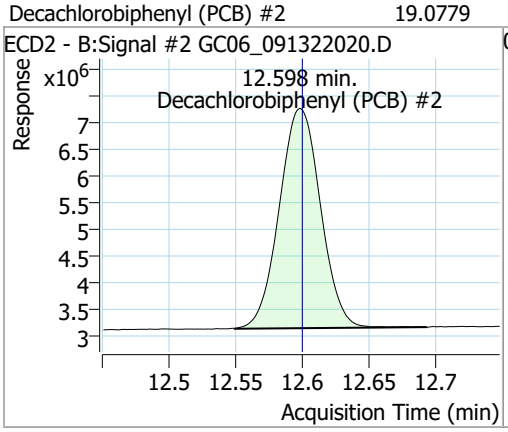
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.0517	12.10	0.00	1905760				

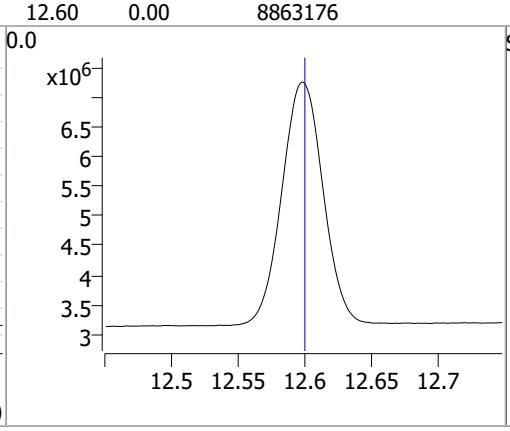


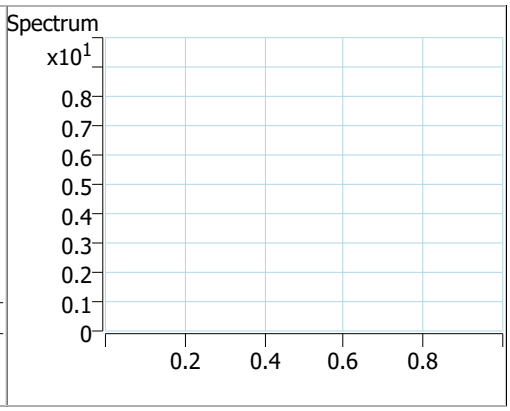




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.0779	12.60	0.00	8863176				

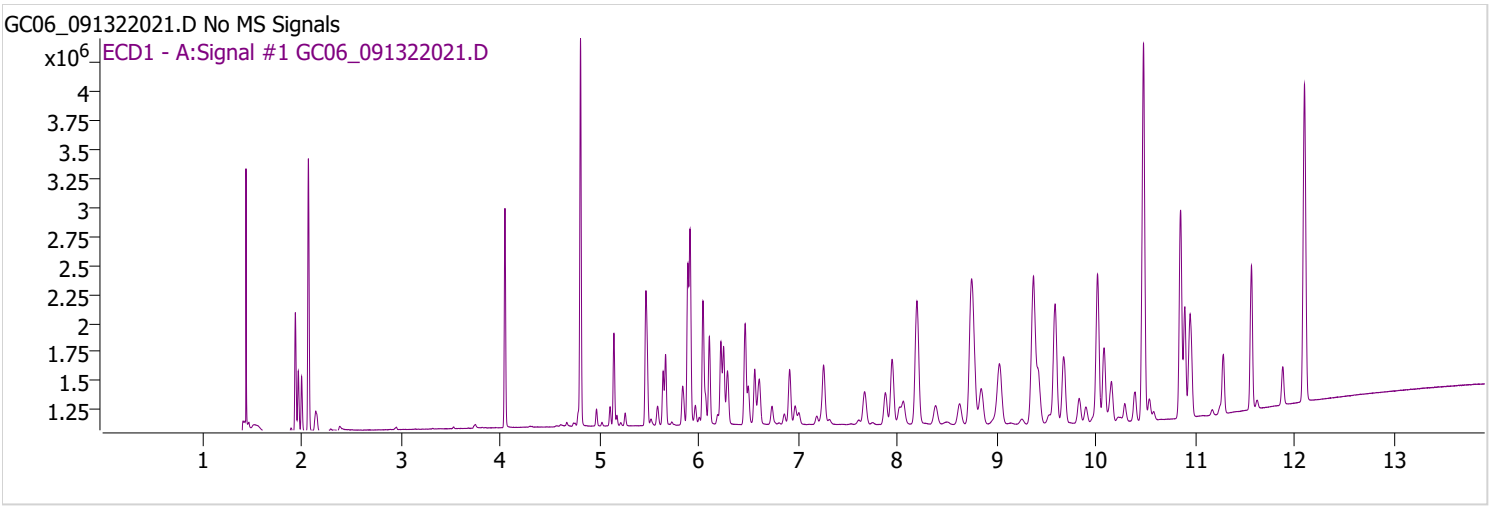


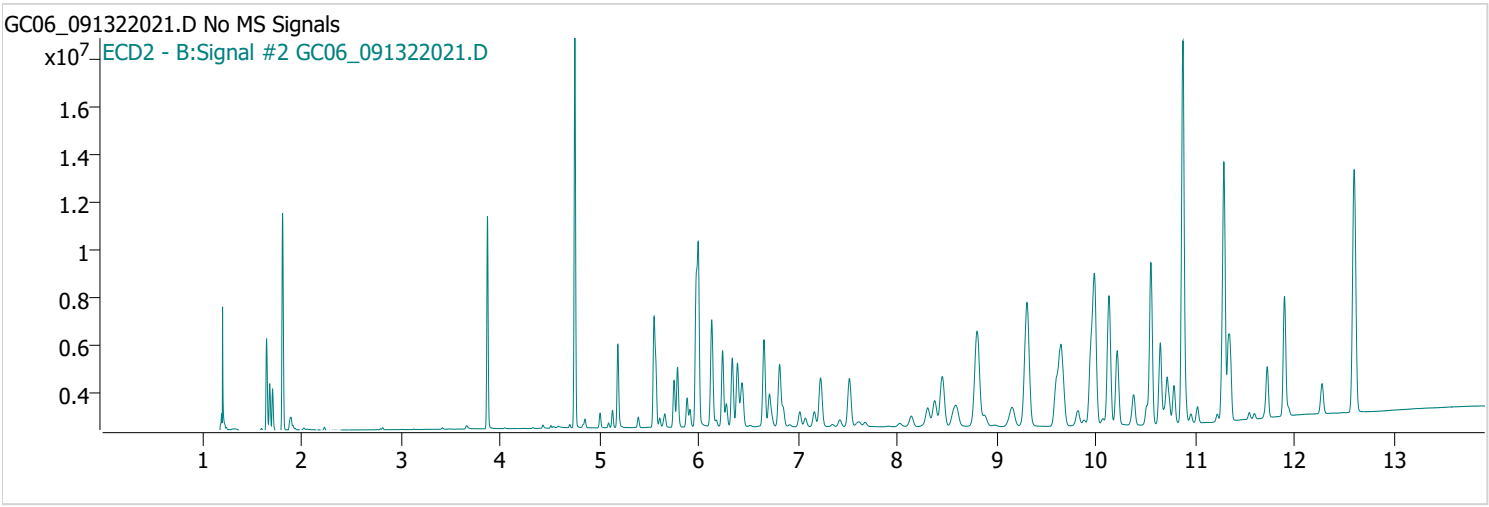




Quantitation Results Report (Not Reviewed)

Data File	GC06_091322021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 1:49:10 AM
Sample Name	ICAL, S16585, 4	Instrument	SVOA-GC06
Vial	45	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



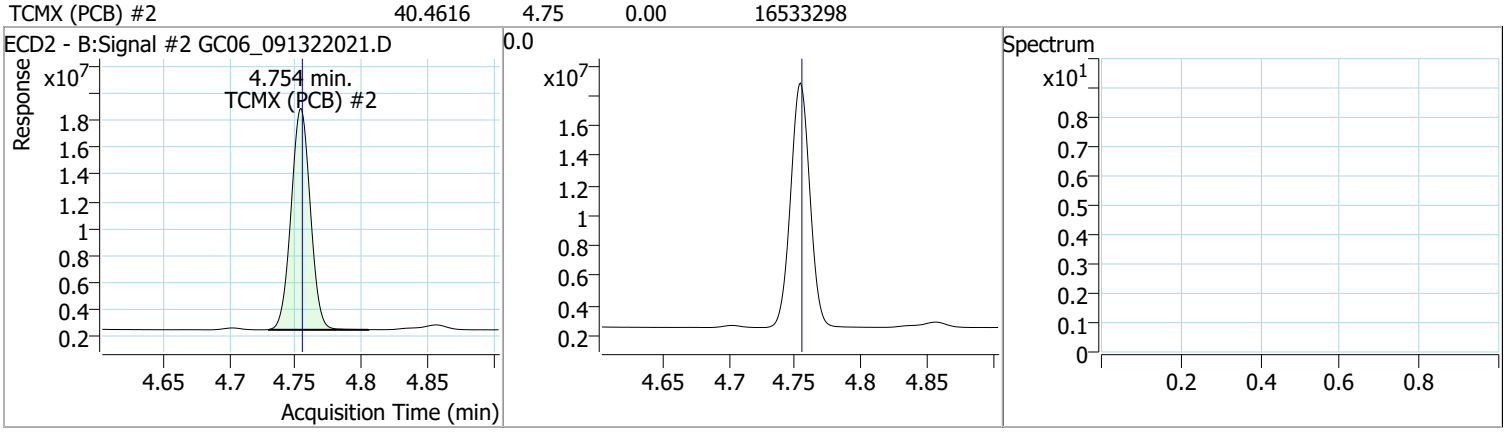


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	8347062.520	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.050	0.0	1775601.985	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.754	0.0	16533298.133	40.4616	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.31%		*	
S TCMX (PCB)	4.811	0.0	3380275.841	39.9671	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.84%		*	
S Decachlorobiphenyl (PCB)	12.098	0.0	5077207.021	42.6340	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 213.17%		*	
S Decachlorobiphenyl (PCB) #2	12.598	0.0	23363130.232	42.1954	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 210.98%		*	
Target Compounds							QValue

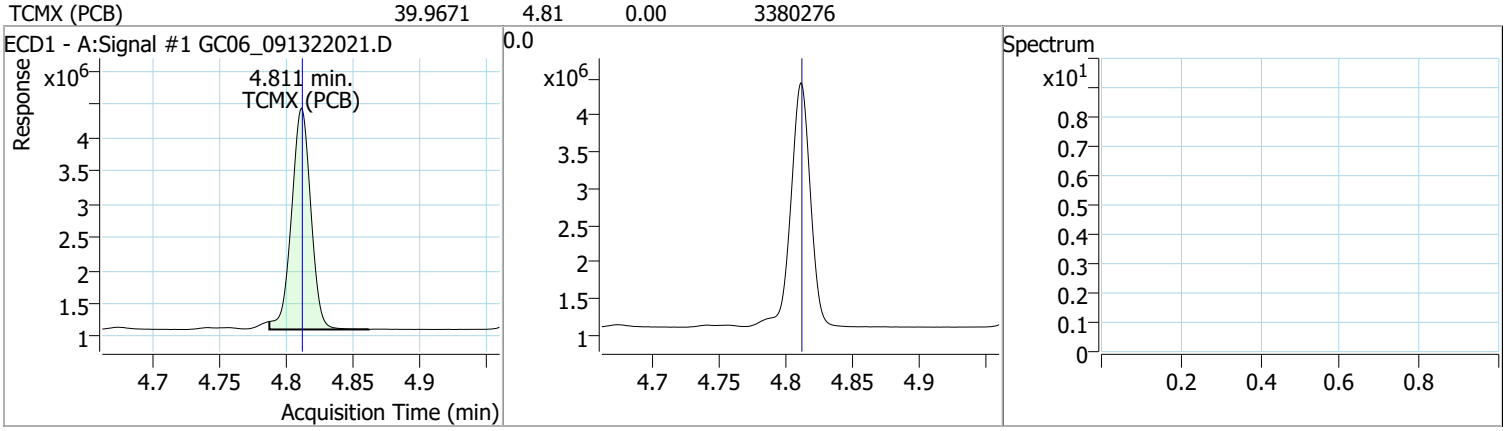
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.148	0.0	878944.468	504.9562	ng/ml		100
T AR1016 1 #2	5.187	0.0	4248761.651	506.3714	ng/ml		100
T AR1016 2	5.469	0.0	1877727.012	504.6906	ng/ml		100
T AR1016 2 #2	5.552	0.0	8735557.887	499.1824	ng/ml		100
T AR1016 3	5.913	0.0	2196582.173	500.8413	ng/ml		100
T AR1016 3 #2	5.995	0.0	11188024.817	491.3888	ng/ml	m	100
T AR1016 4	6.043	0.0	1670279.150	505.9757	ng/ml		100
T AR1016 4 #2	6.132	0.0	7655798.993	508.9036	ng/ml		100
T AR1016 5	6.468	0.0	1349933.275	511.3474	ng/ml		100
T AR1016 5 #2	6.658	0.0	6527423.695	513.9000	ng/ml		100
T AR1260 1	8.198	0.0	2750590.411	526.6029	ng/ml		100
T AR1260 2	8.748	0.0	4263794.935	517.3471	ng/ml		100
T AR1260 1 #2	8.802	0.0	15143035.142	523.7102	ng/ml		100
T AR1260 2 #2	9.305	0.0	16692981.716	514.2565	ng/ml		100
T AR1260 3	9.371	0.0	4510120.950	522.6627	ng/ml	m	100
T AR1260 3 #2	9.983	0.0	22200053.060	531.6418	ng/ml		100
T AR1260 4	10.015	0.0	2651309.794	544.6373	ng/ml		100
T AR1260 4 #2	10.553	0.0	15048874.508	544.5258	ng/ml		100
T AR1260 5	10.852	0.0	3297017.436	547.0189	ng/ml		100
T AR1260 5 #2	11.287	0.0	22217855.291	538.8774	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

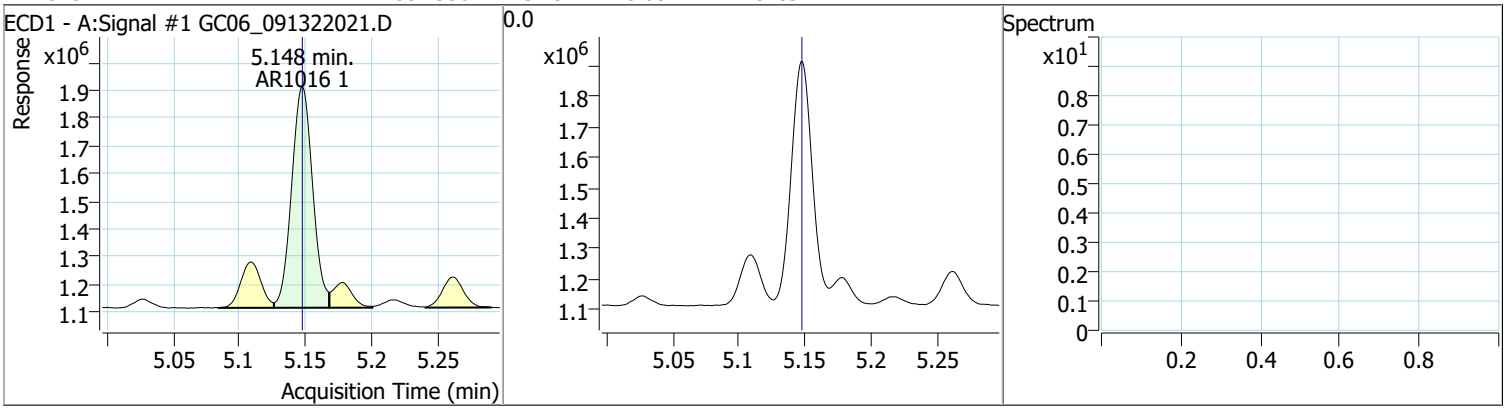
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.4616	4.75	0.00	16533298				



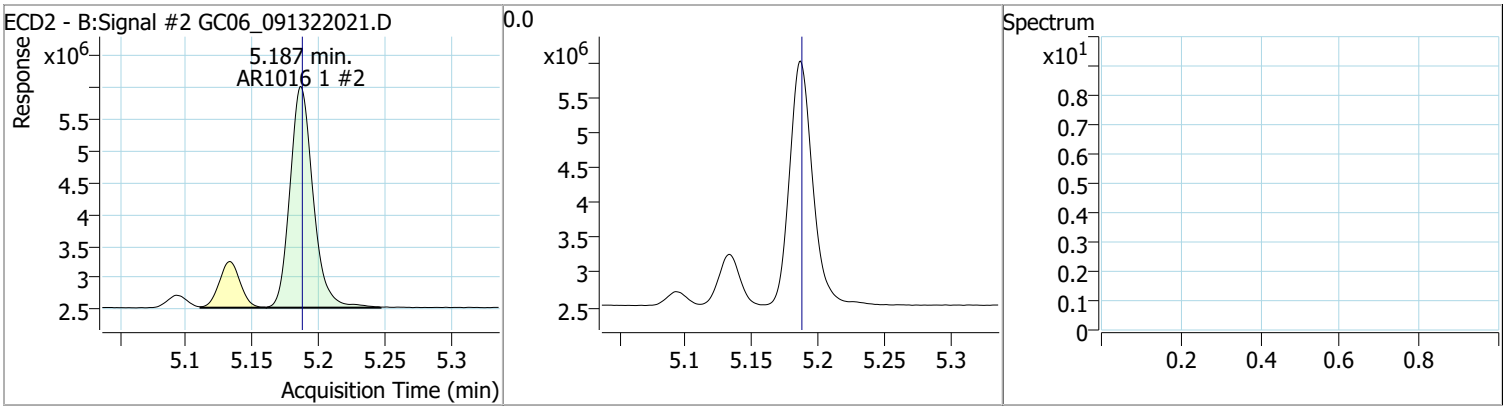
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.9671	4.81	0.00	3380276				



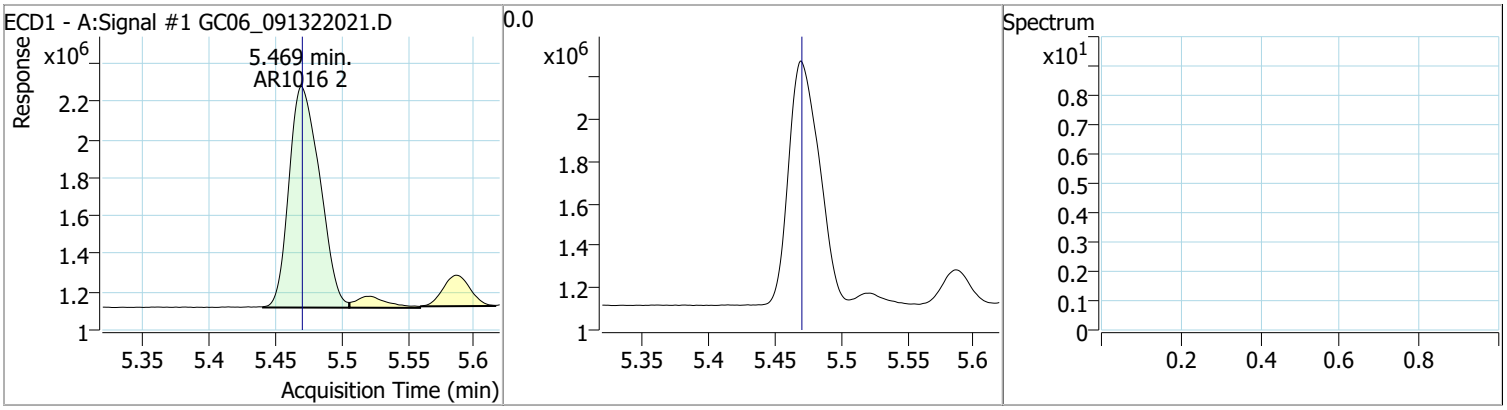
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	504.9562	5.15	0.00	878944				



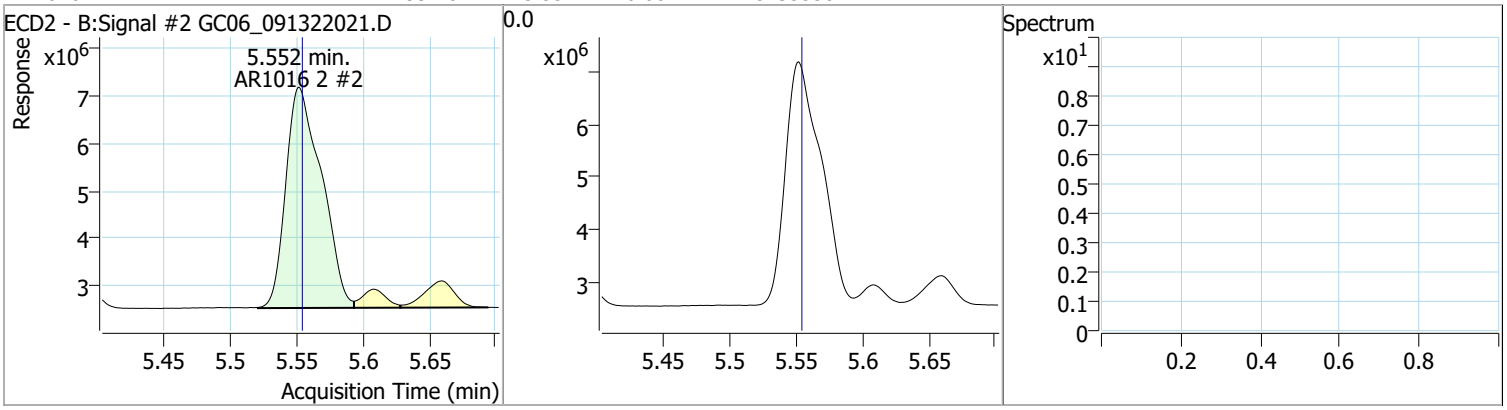
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	506.3714	5.19	0.00	4248762				



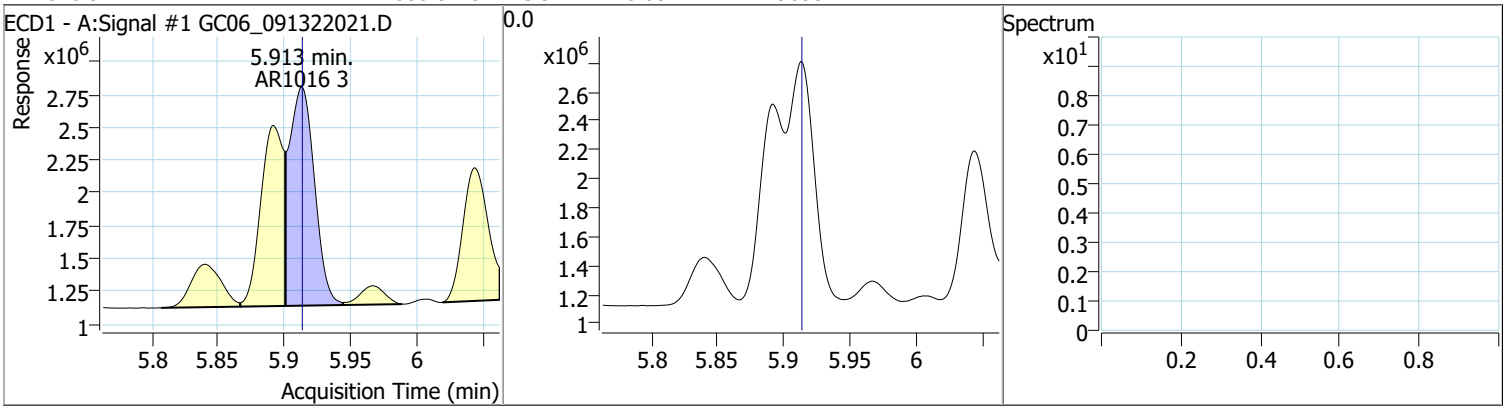
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	504.6906	5.47	0.00	1877727				



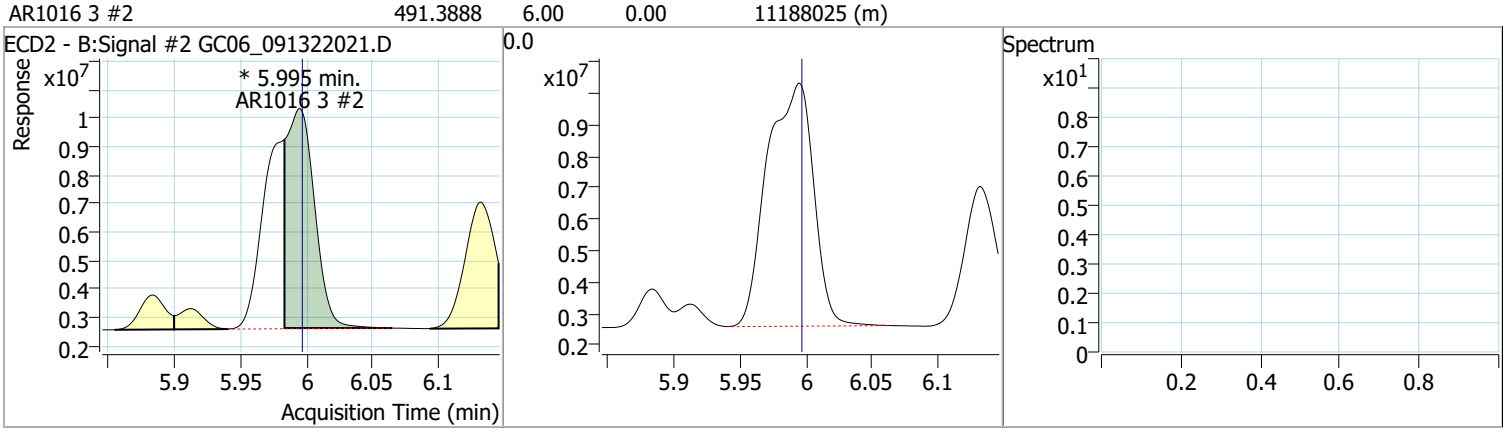
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	499.1824	5.55	0.00	8735558				



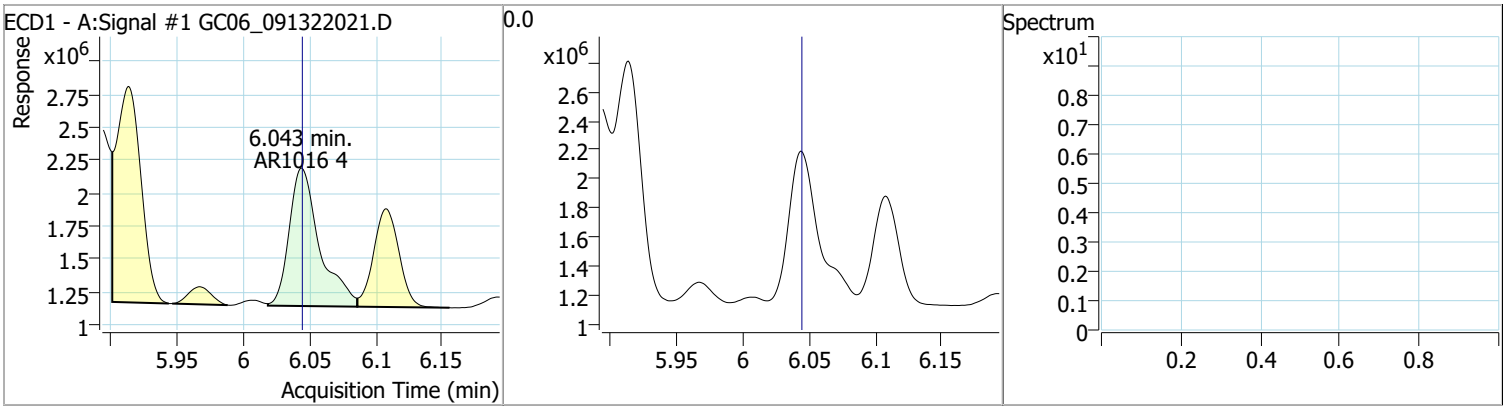
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	500.8413	5.91	0.00	2196582				



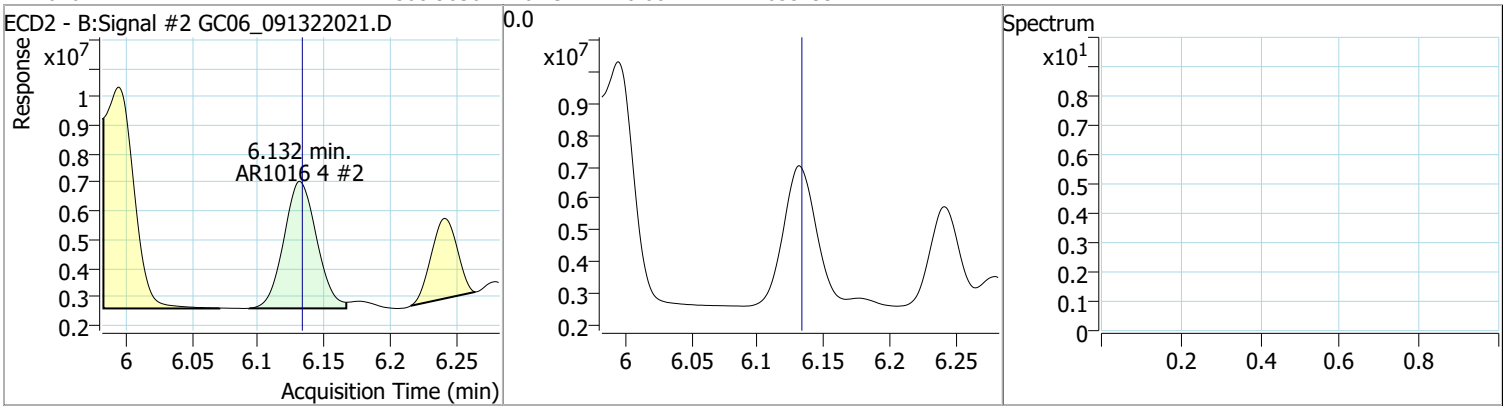
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	491.3888	6.00	0.00	11188025 (m)				



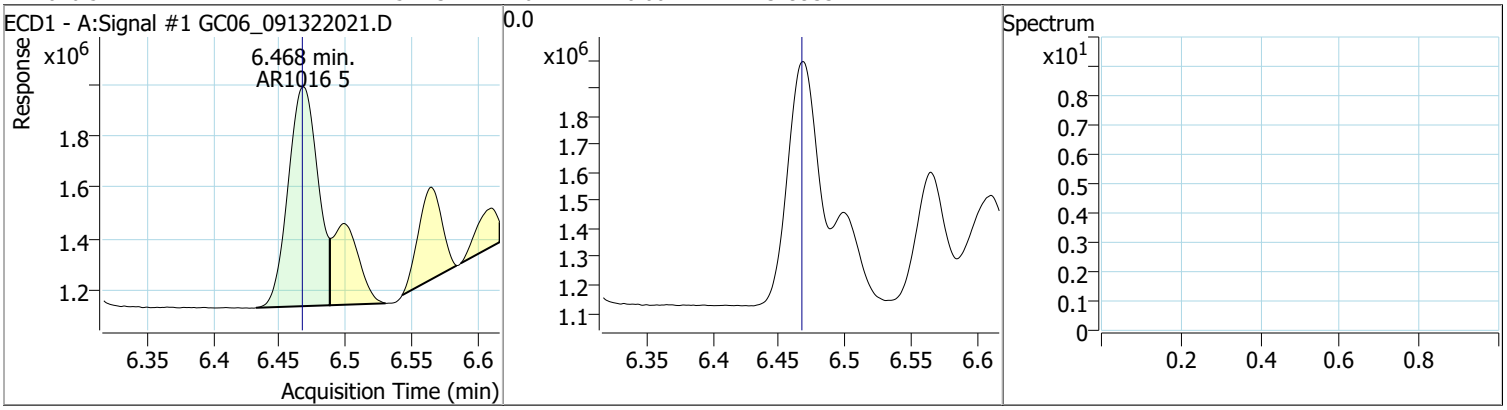
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	505.9757	6.04	0.00	1670279				



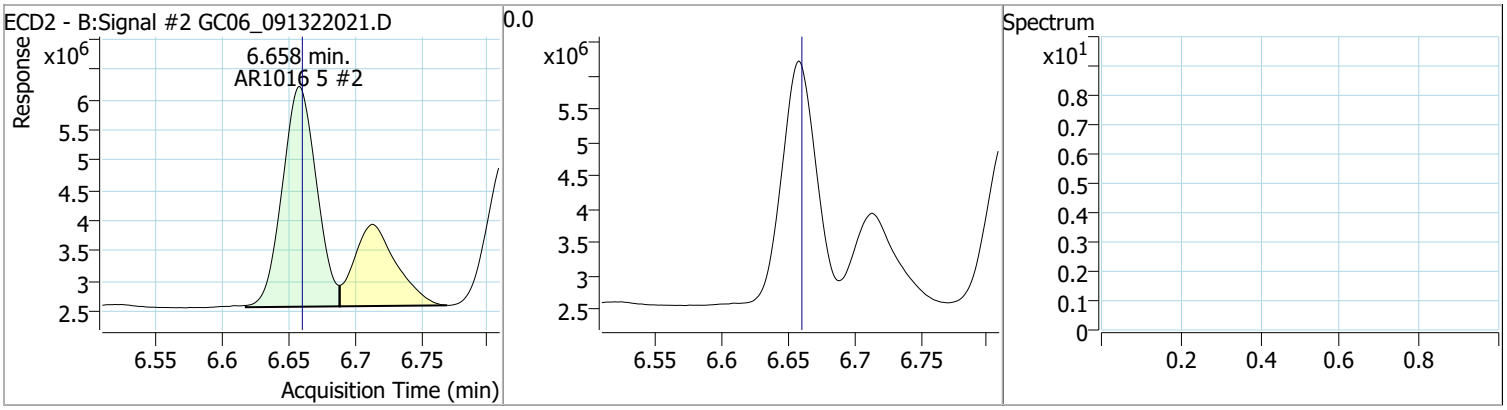
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	508.9036	6.13	0.00	7655799				



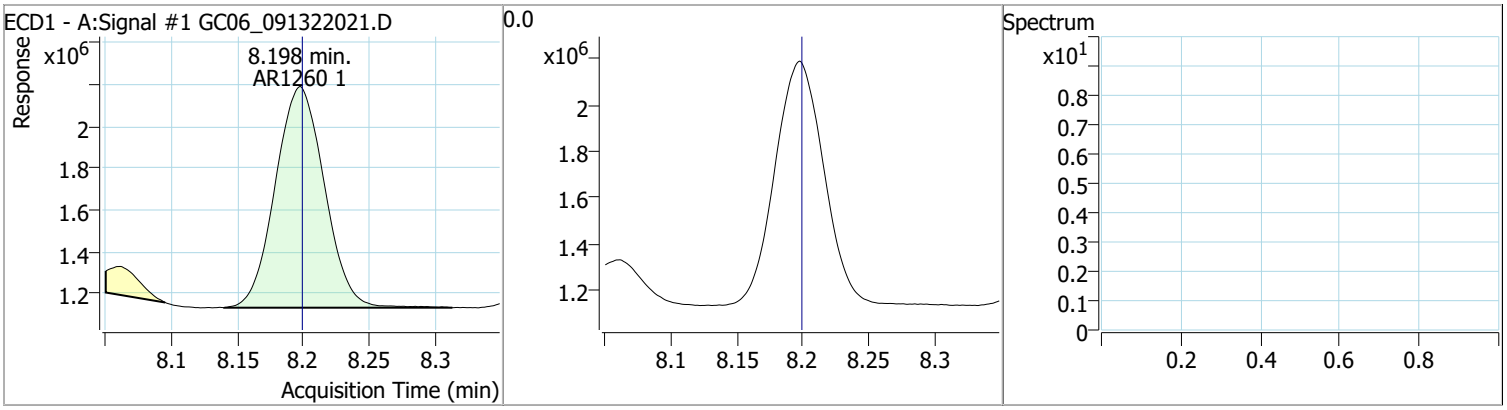
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	511.3474	6.47	0.00	1349933				



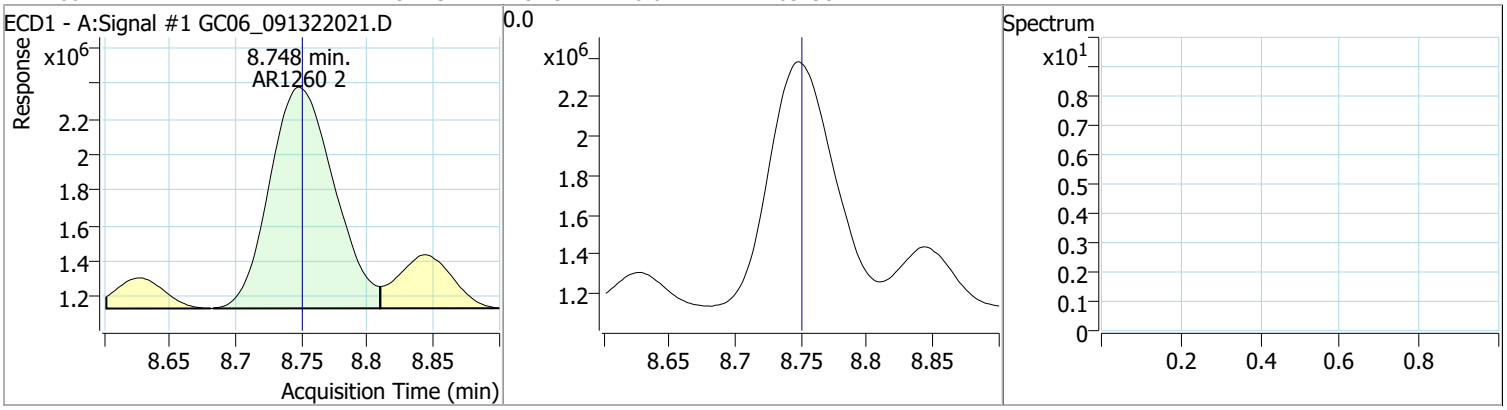
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	513.9000	6.66	0.00	6527424				



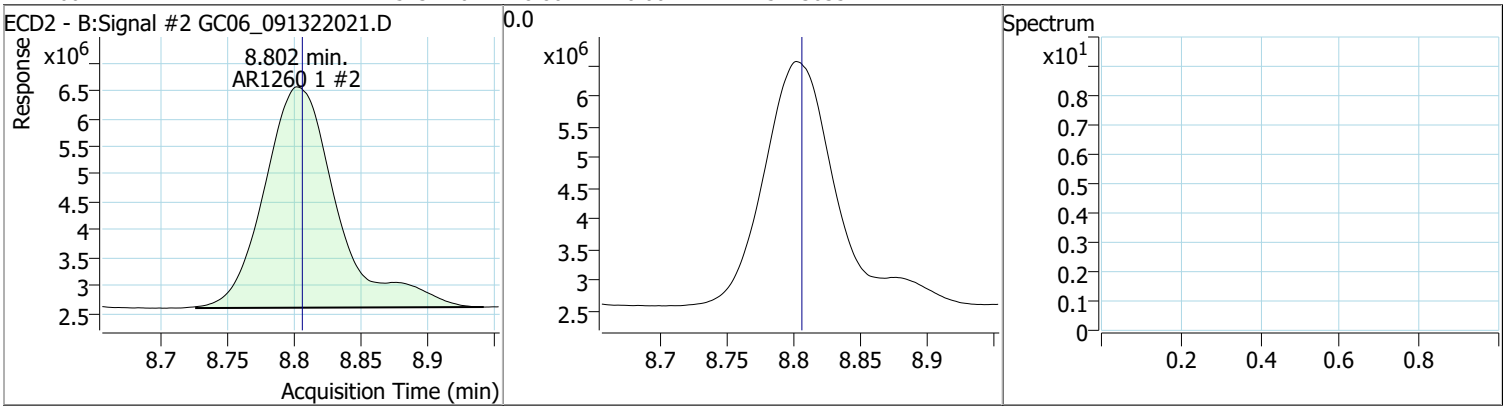
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	526.6029	8.20	0.00	2750590				



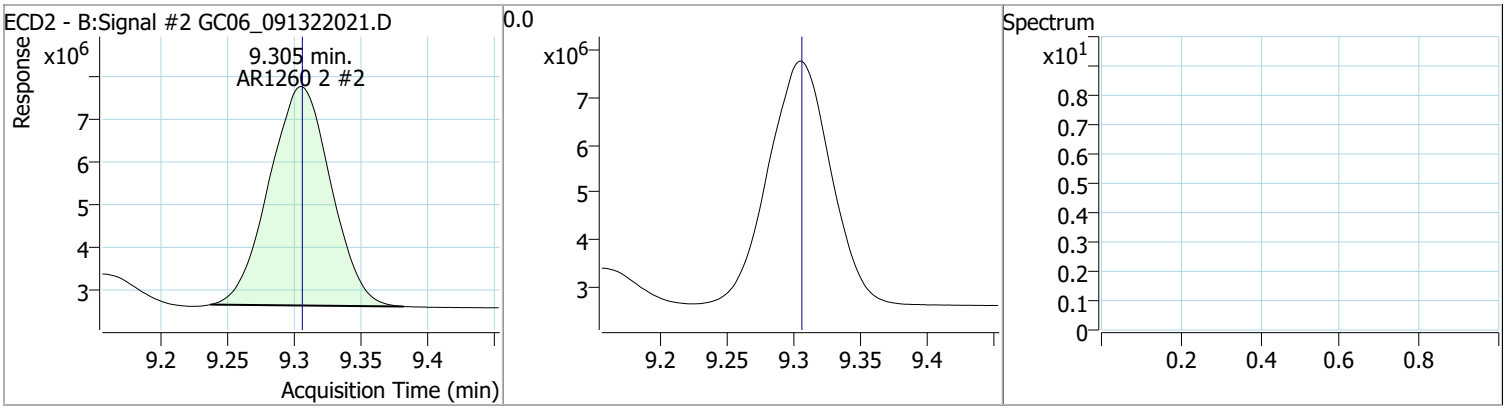
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	517.3471	8.75	-0.01	4263795				



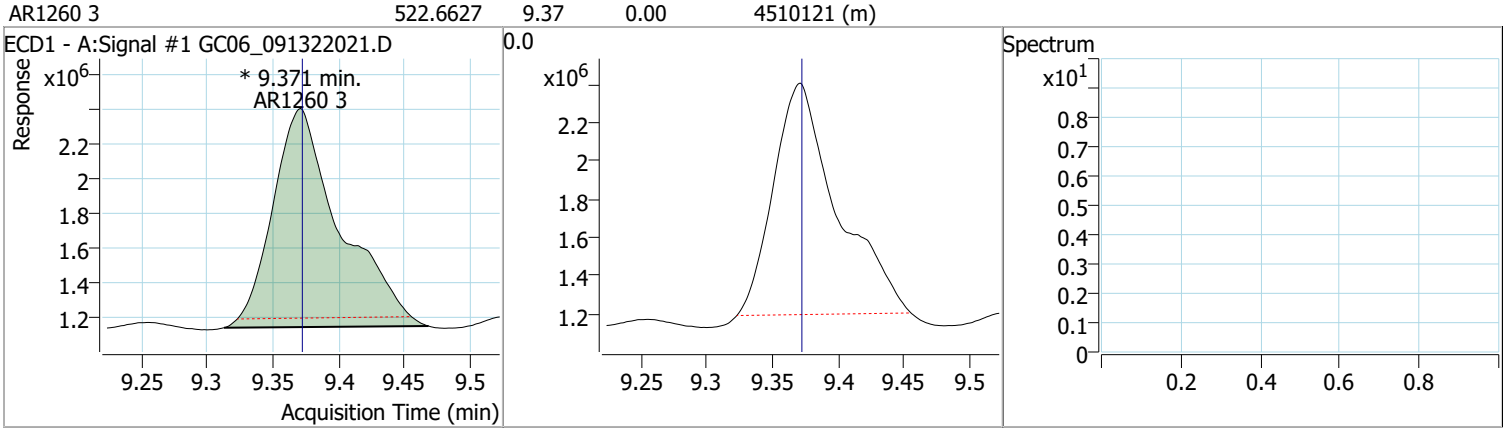
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	523.7102	8.80	0.00	15143035				



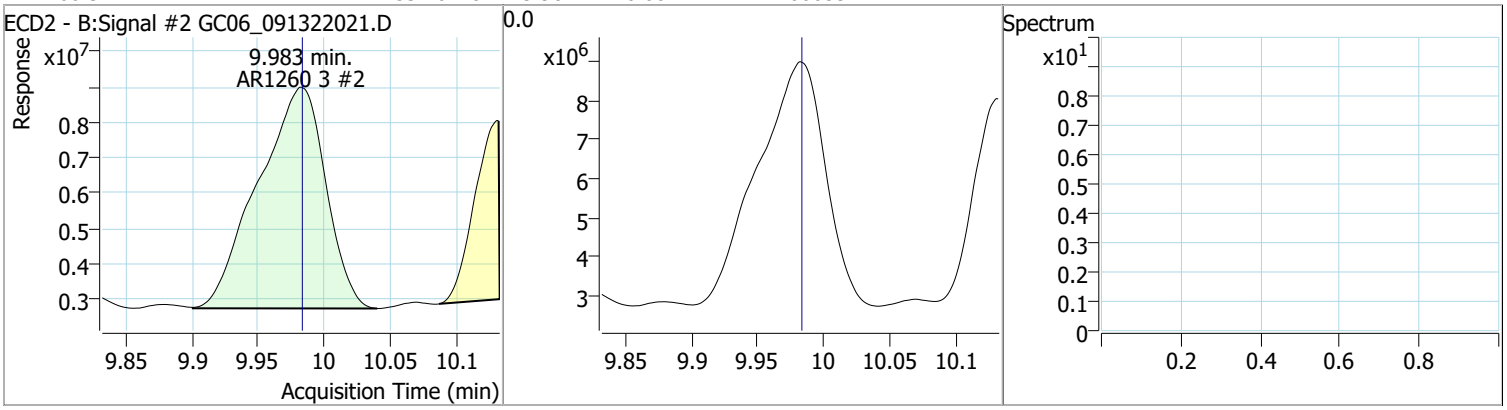
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	514.2565	9.31	0.00	16692982				



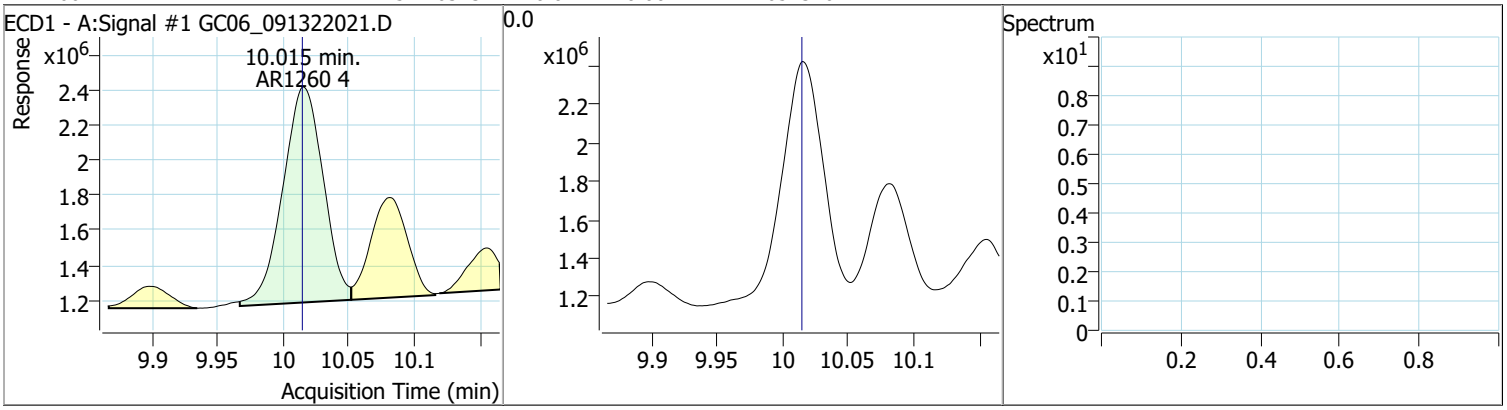
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	522.6627	9.37	0.00	4510121 (m)				



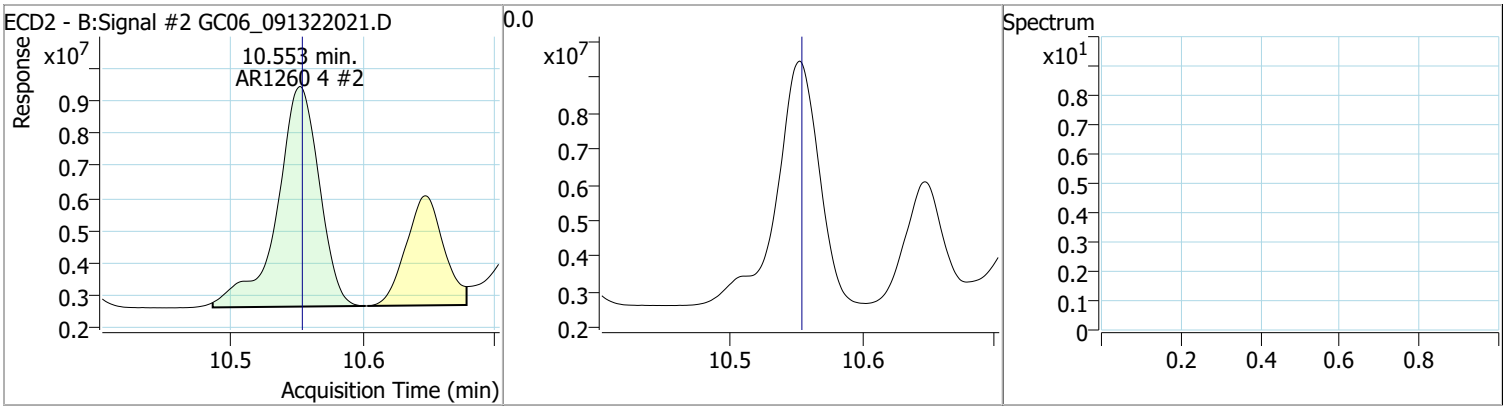
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	531.6418	9.98	0.00	22200053				



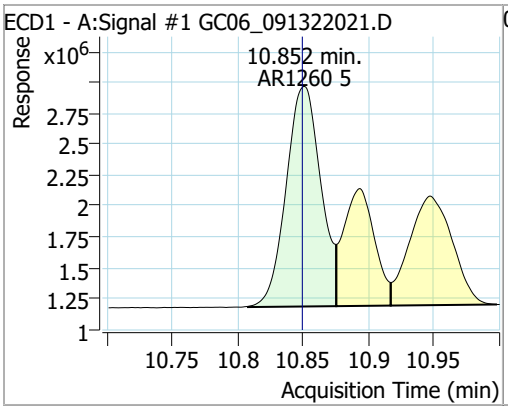
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	544.6373	10.02	0.00	2651310				

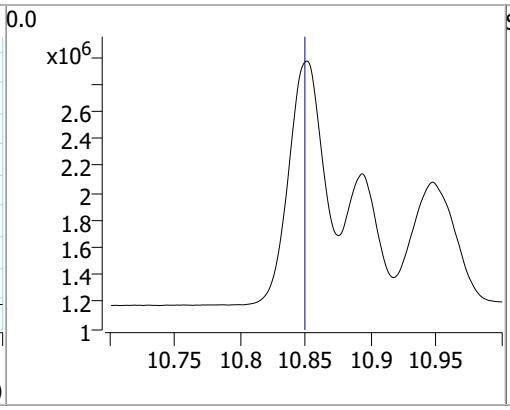


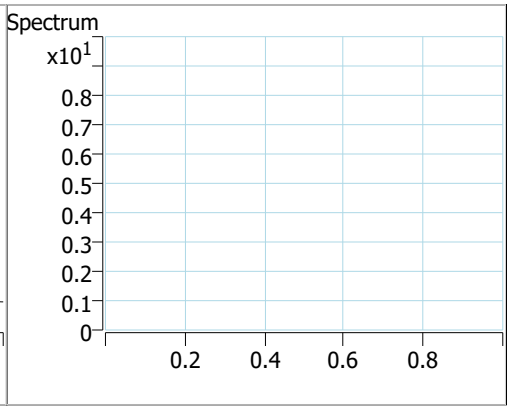
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	544.5258	10.55	0.00	15048875				



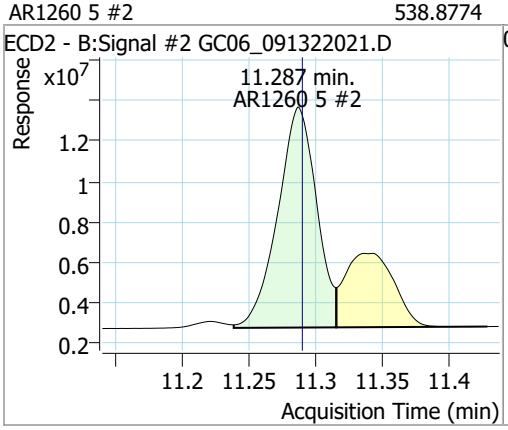
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	547.0189	10.85	0.00	3297017				

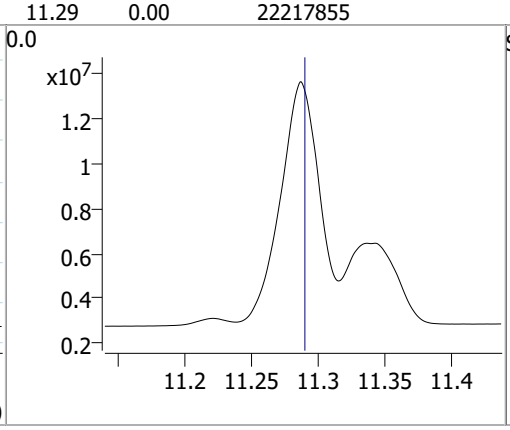


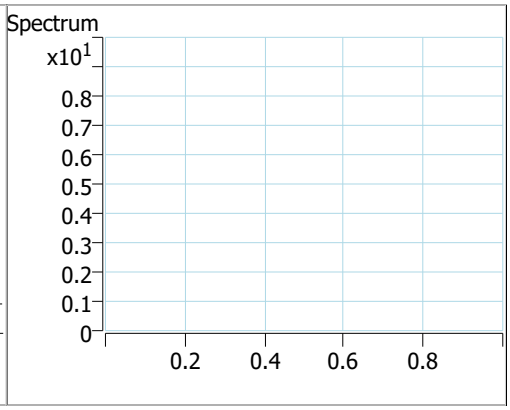




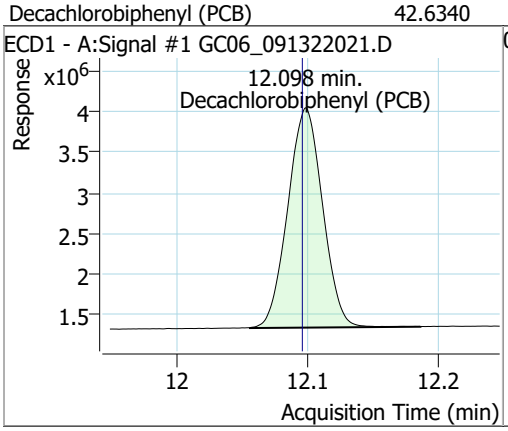
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	538.8774	11.29	0.00	22217855				

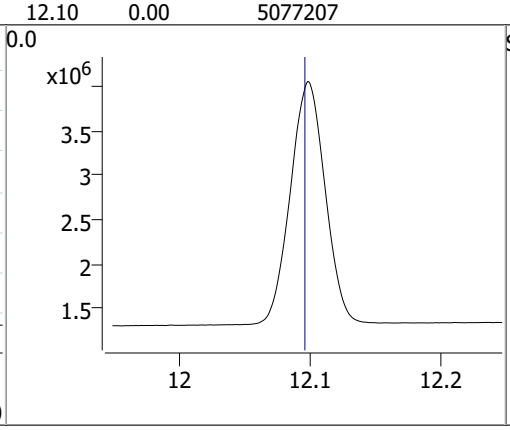


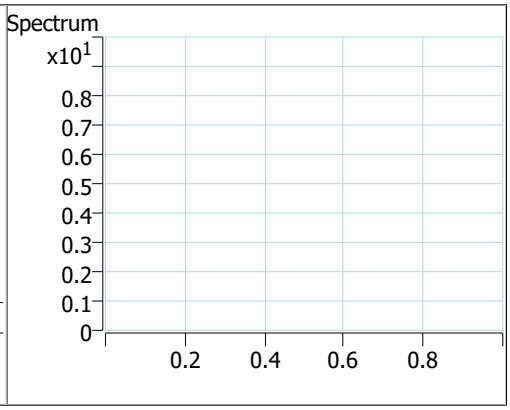




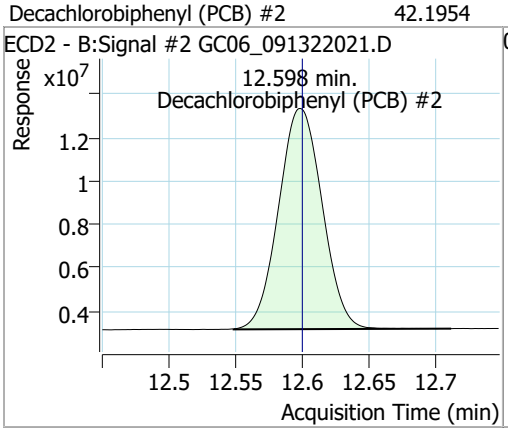
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.6340	12.10	0.00	5077207				

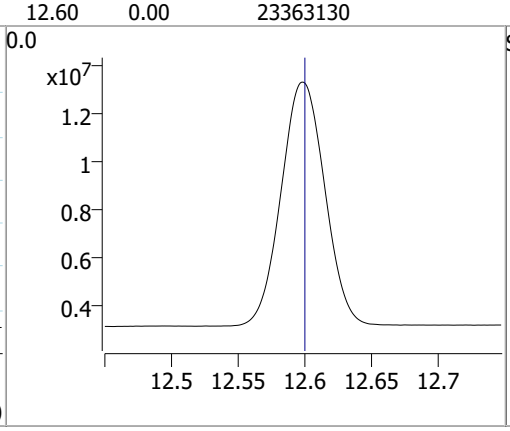


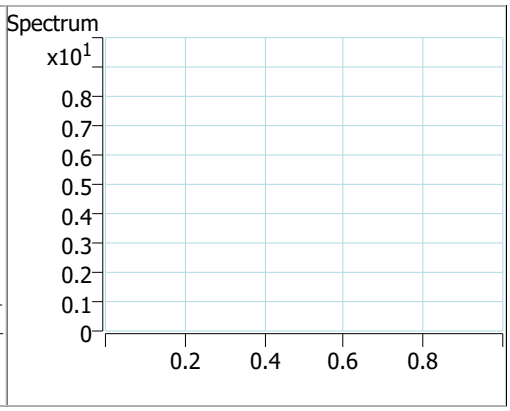




Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	42.1954	12.60	0.00	23363130				

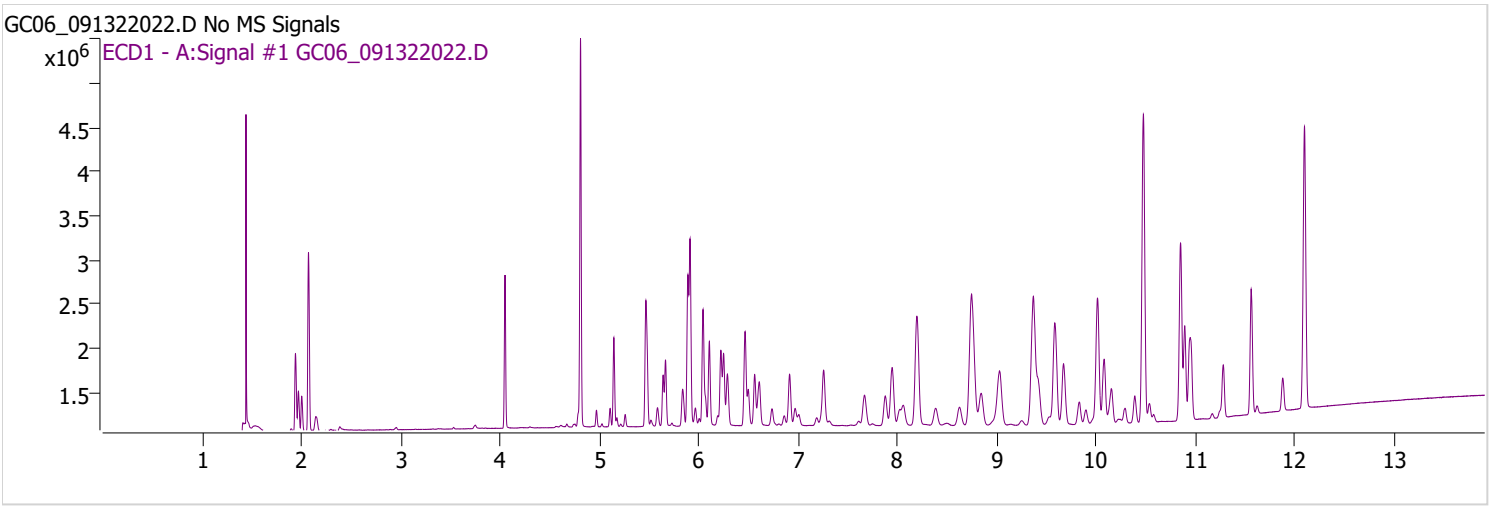


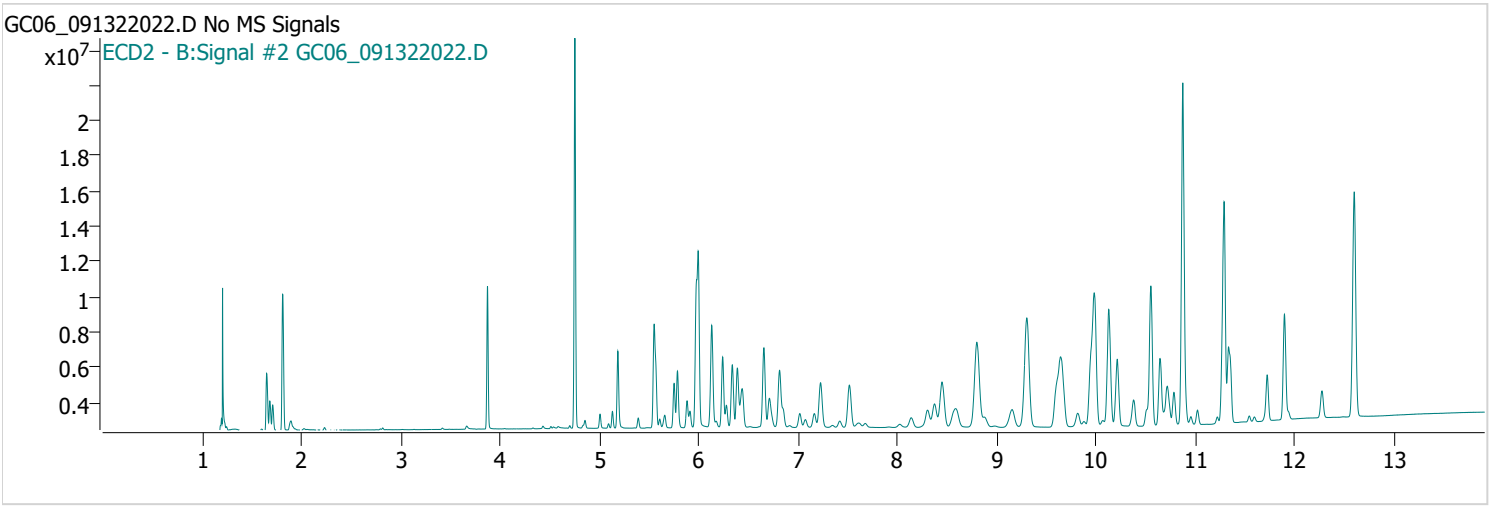




Quantitation Results Report (Not Reviewed)

Data File	GC06_091322022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 2:06:31 AM
Sample Name	ICAL, S16585, 2.667	Instrument	SVOA-GC06
Vial	46	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



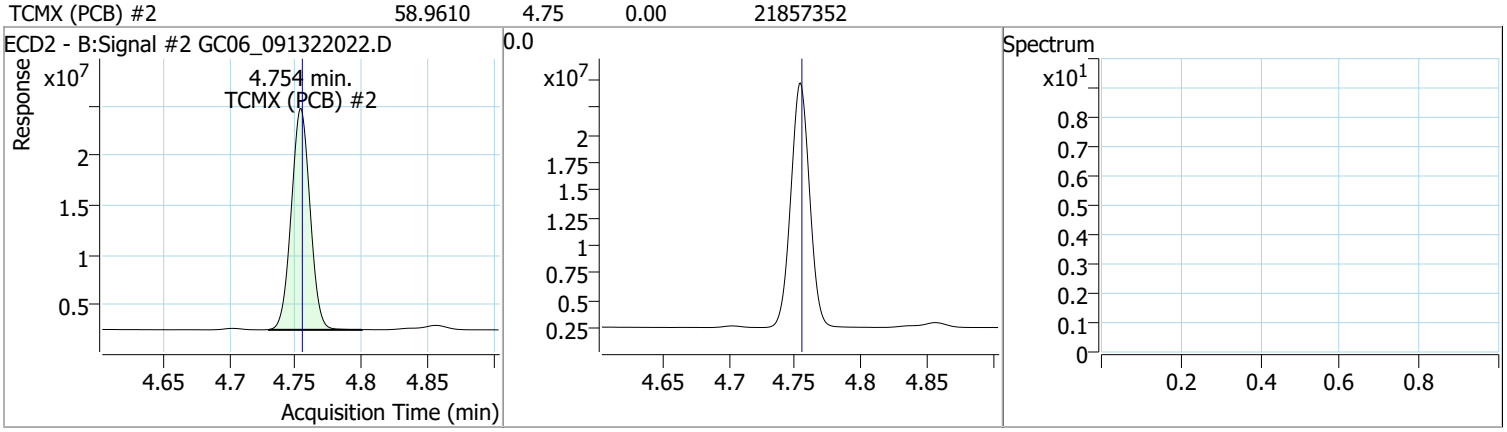


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	7572692.597	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.051	0.0	1597808.552	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	4.754	0.0	21857351.539	58.9610	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 294.80%		*	
S TCMX (PCB)	4.811	0.0	4373712.498	57.4674	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 287.34%		*	
S Decachlorobiphenyl (PCB)	12.098	0.0	5925445.290	55.2934	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 276.47%		*	
S Decachlorobiphenyl (PCB) #2	12.599	0.0	28053410.575	55.8474	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 279.24%		*	
Target Compounds							QValue

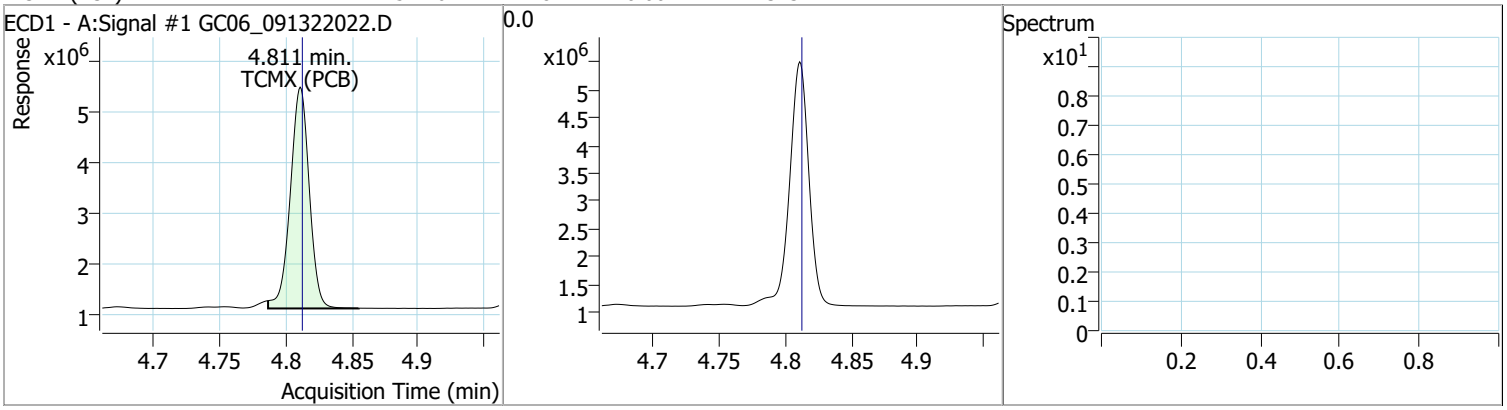
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.147	0.0	1104832.183	705.3579	ng/ml		100
T AR1016 1 #2	5.187	0.0	5378506.836	706.5646	ng/ml		100
T AR1016 2	5.469	0.0	2323877.852	694.1078	ng/ml		100
T AR1016 2 #2	5.553	0.0	11093262.250	698.7330	ng/ml		100
T AR1016 3	5.913	0.0	2694470.737	682.7269	ng/ml		100
T AR1016 3 #2	5.995	0.0	14546161.777	704.2123	ng/ml	m	100
T AR1016 4	6.044	0.0	2057155.045	692.5139	ng/ml		100
T AR1016 4 #2	6.132	0.0	9743774.670	713.9298	ng/ml		100
T AR1016 5	6.468	0.0	1653216.830	695.9121	ng/ml		100
T AR1016 5 #2	6.657	0.0	8186173.869	710.3969	ng/ml		100
T AR1260 1	8.197	0.0	3192355.380	679.1871	ng/ml		100
T AR1260 2	8.748	0.0	4953115.340	667.8594	ng/ml		100
T AR1260 1 #2	8.800	0.0	18367411.403	700.1795	ng/ml		100
T AR1260 2 #2	9.303	0.0	20405244.926	692.9007	ng/ml		100
T AR1260 3	9.369	0.0	5379415.718	692.7704	ng/ml		100
T AR1260 3 #2	9.982	0.0	26644316.271	703.3201	ng/ml		100
T AR1260 4	10.015	0.0	3020553.877	689.5319	ng/ml		100
T AR1260 4 #2	10.552	0.0	17796157.263	709.7804	ng/ml		100
T AR1260 5	10.851	0.0	3768694.193	694.8529	ng/ml		100
T AR1260 5 #2	11.289	0.0	26022014.013	695.6841	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

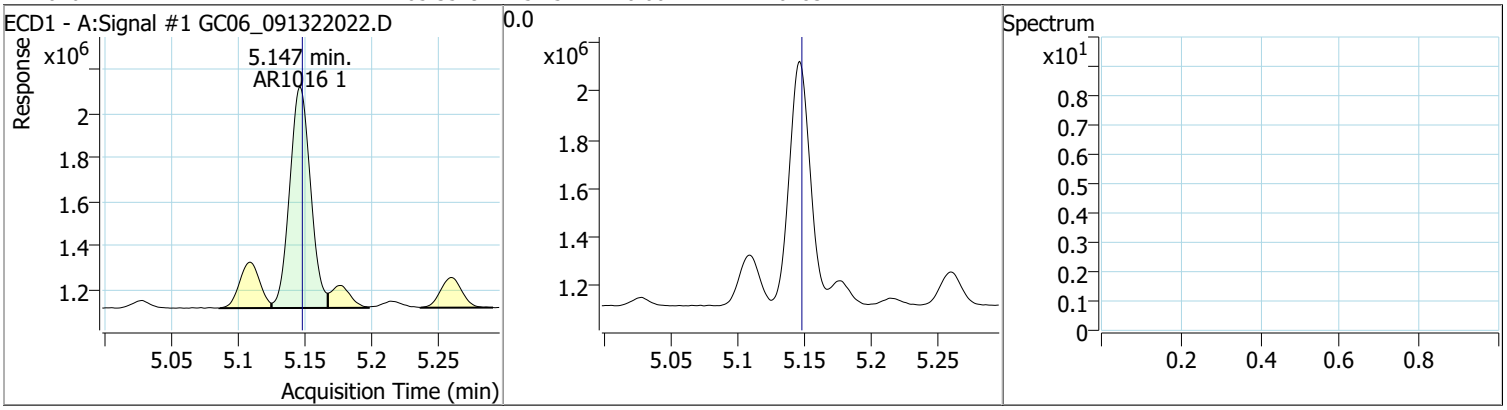
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	58.9610	4.75	0.00	21857352				



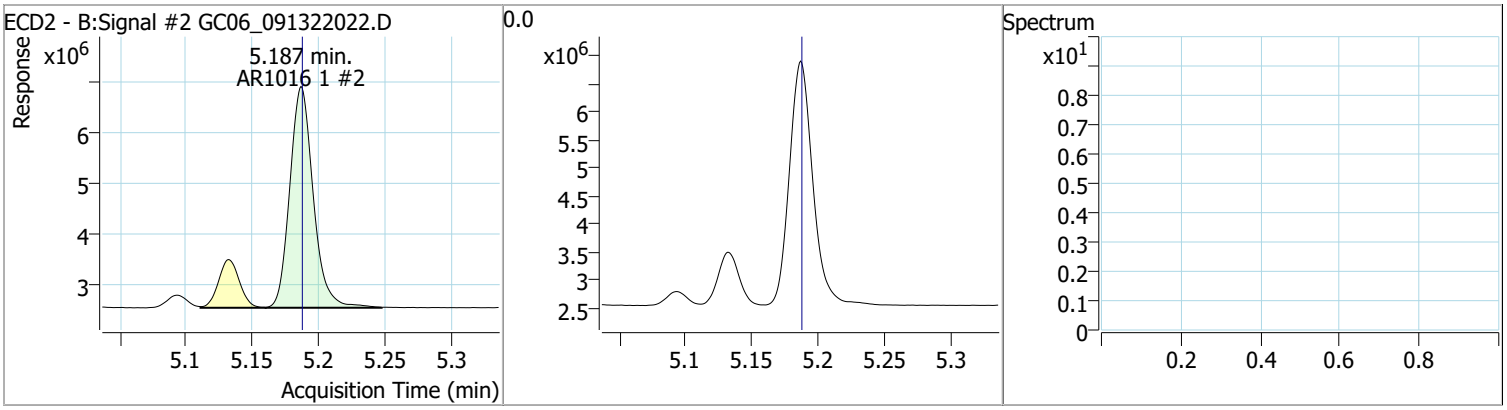
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	57.4674	4.81	0.00	4373712				



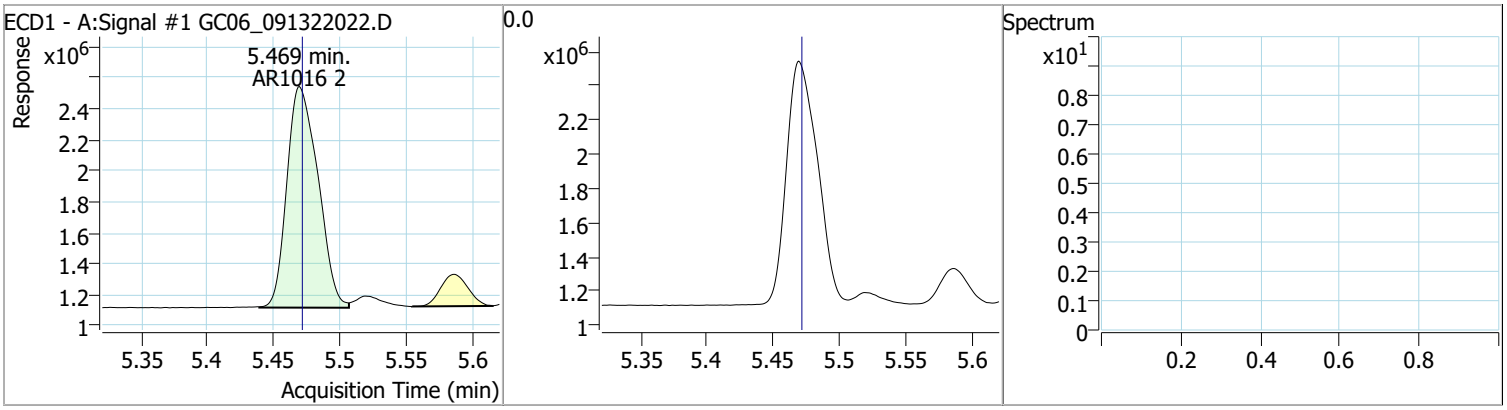
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	705.3579	5.15	0.00	1104832				



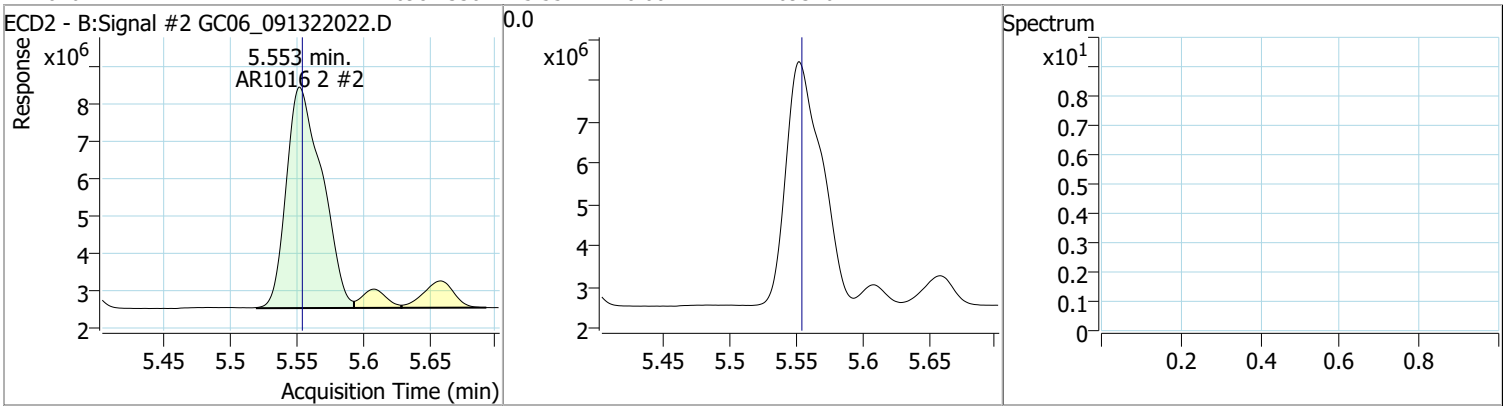
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	706.5646	5.19	0.00	5378507				



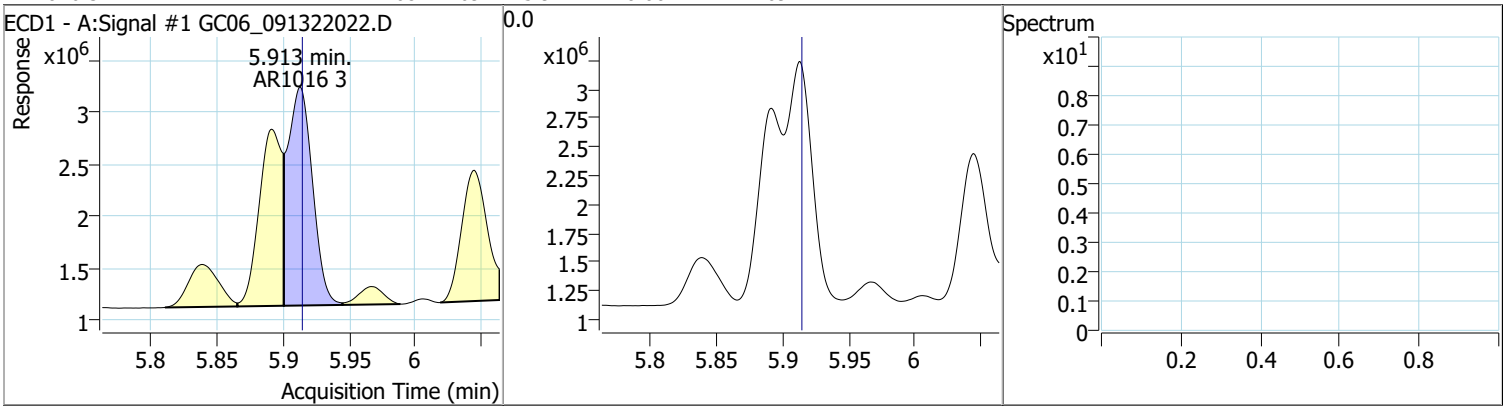
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	694.1078	5.47	0.00	2323878				



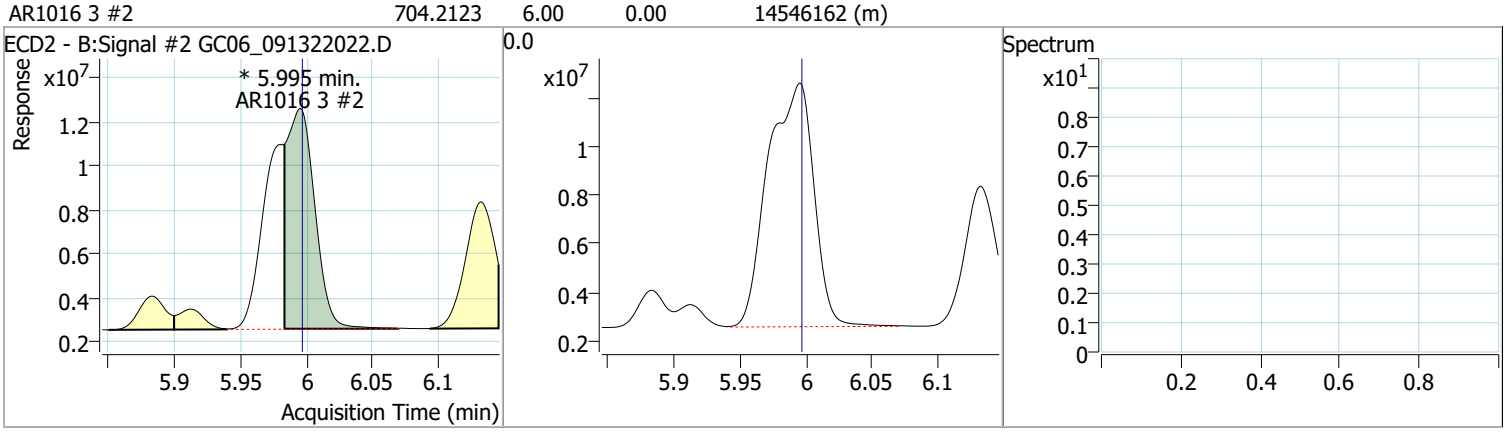
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	698.7330	5.55	0.00	11093262				



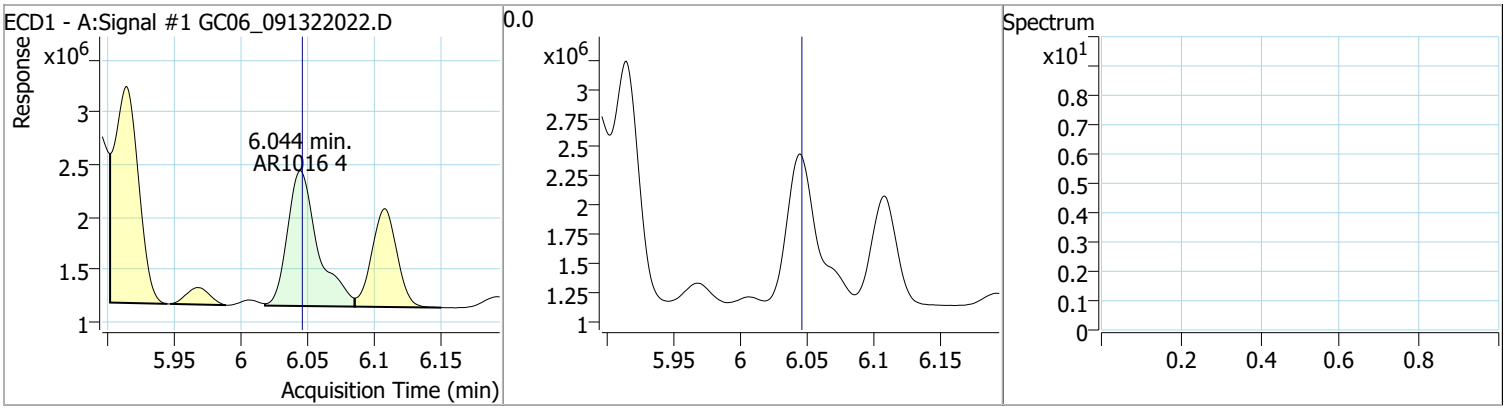
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	682.7269	5.91	0.00	2694471				



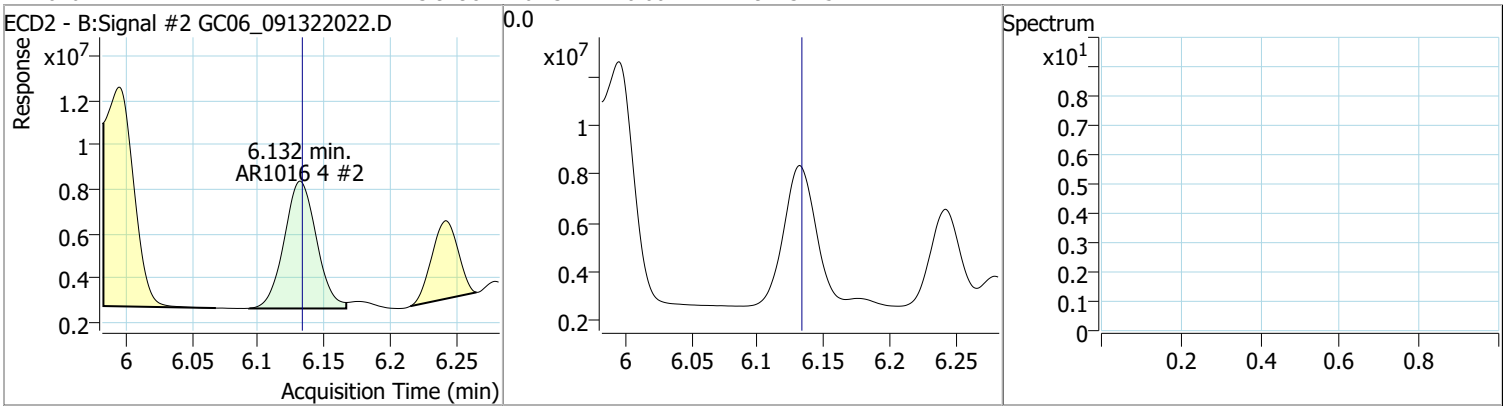
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	704.2123	6.00	0.00	14546162 (m)				



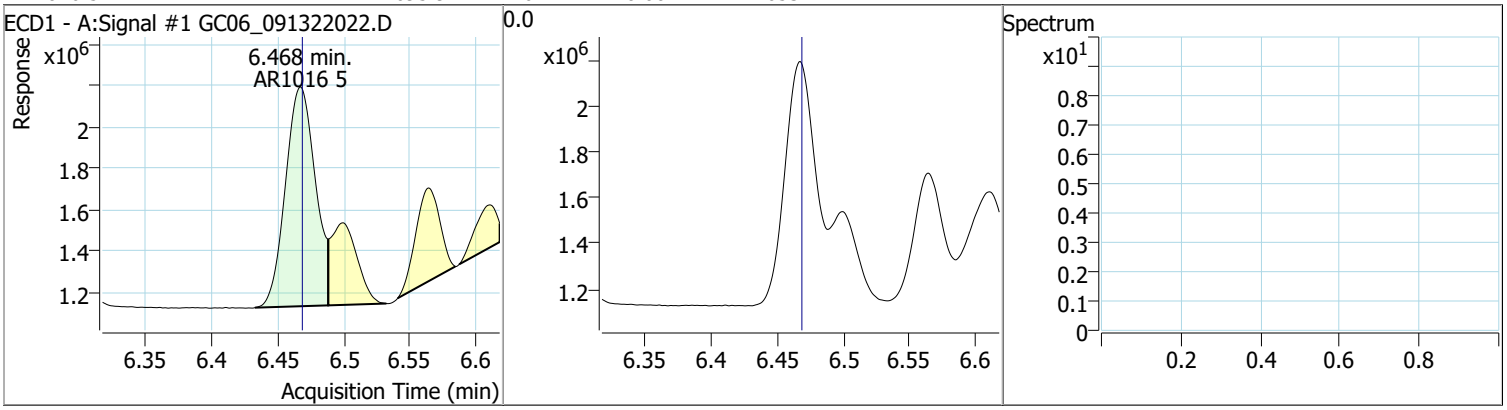
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	692.5139	6.04	0.00	2057155				



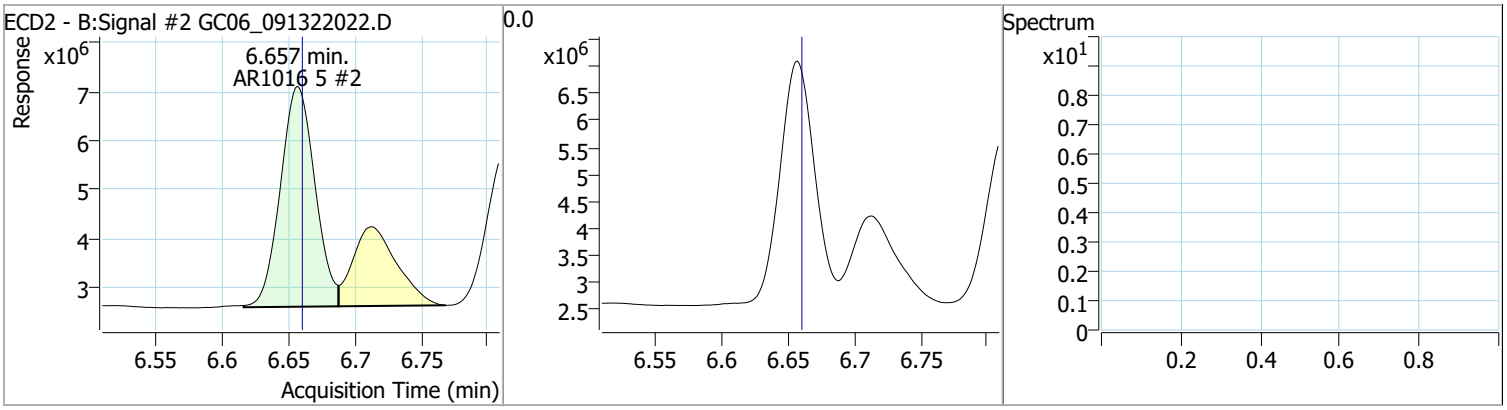
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	713.9298	6.13	0.00	9743775				



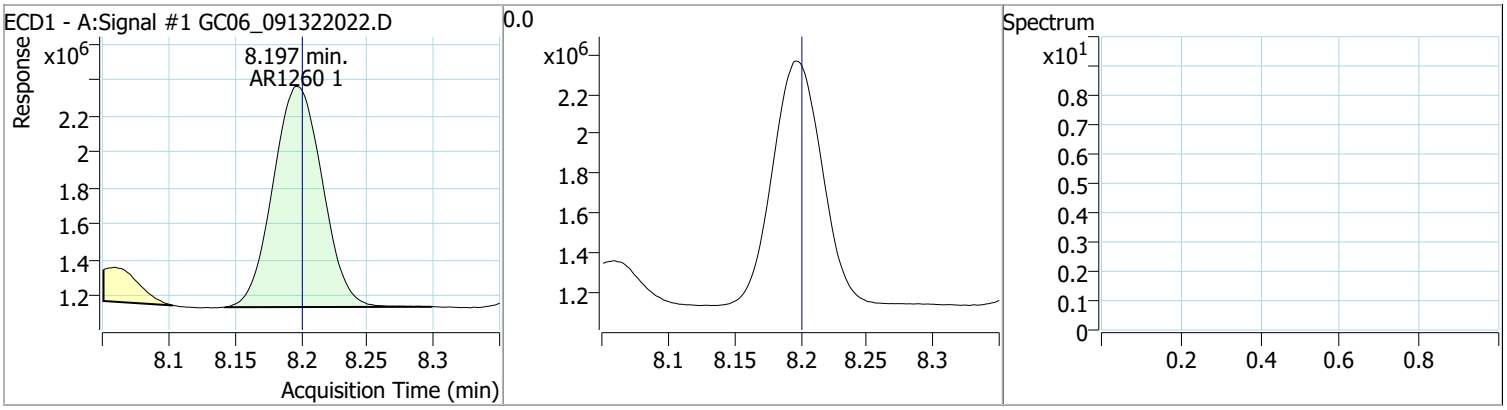
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	695.9121	6.47	0.00	1653217				



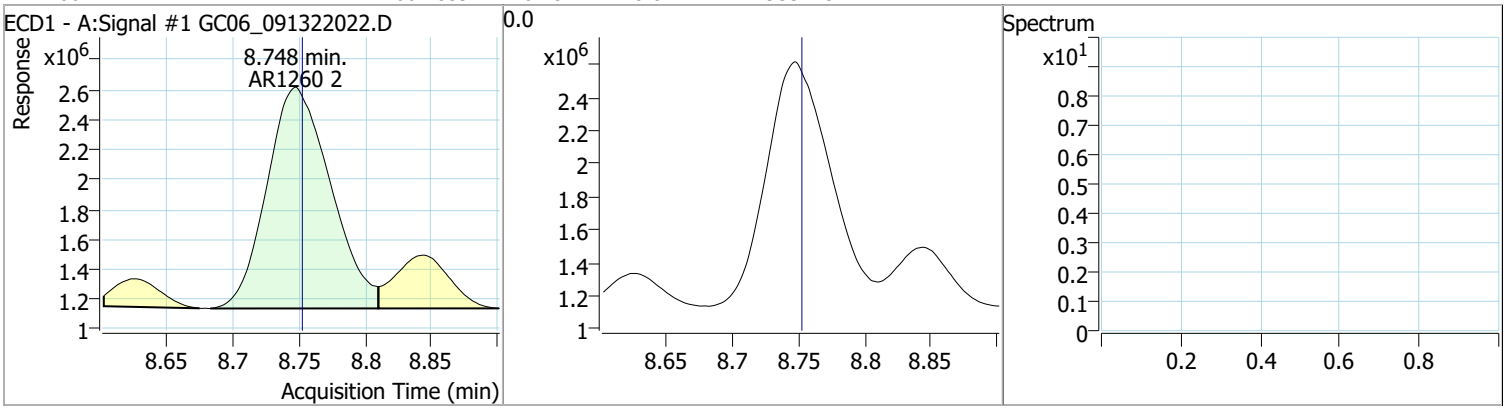
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	710.3969	6.66	0.00	8186174				



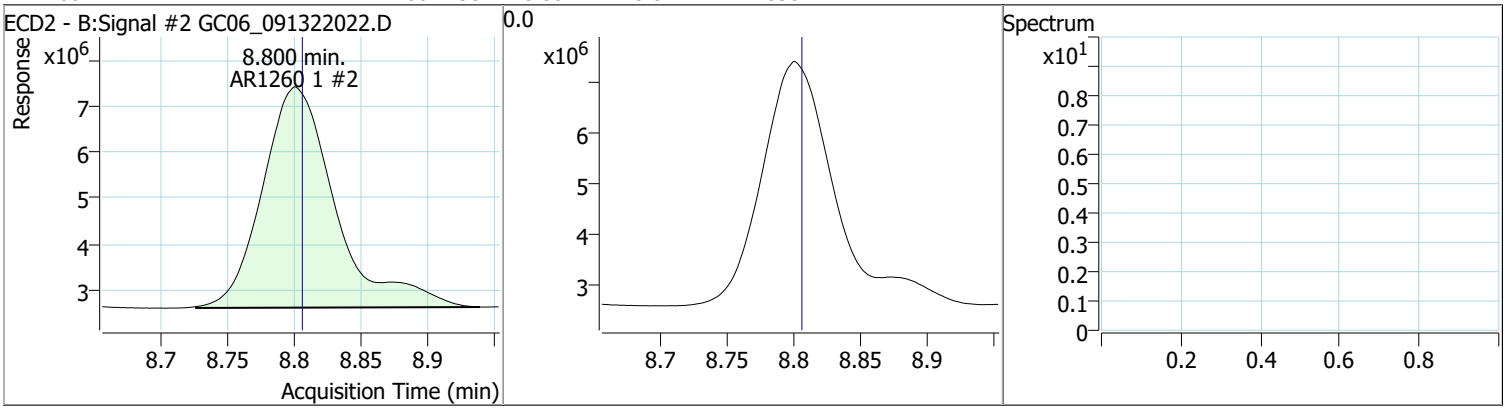
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	679.1871	8.20	-0.01	3192355				



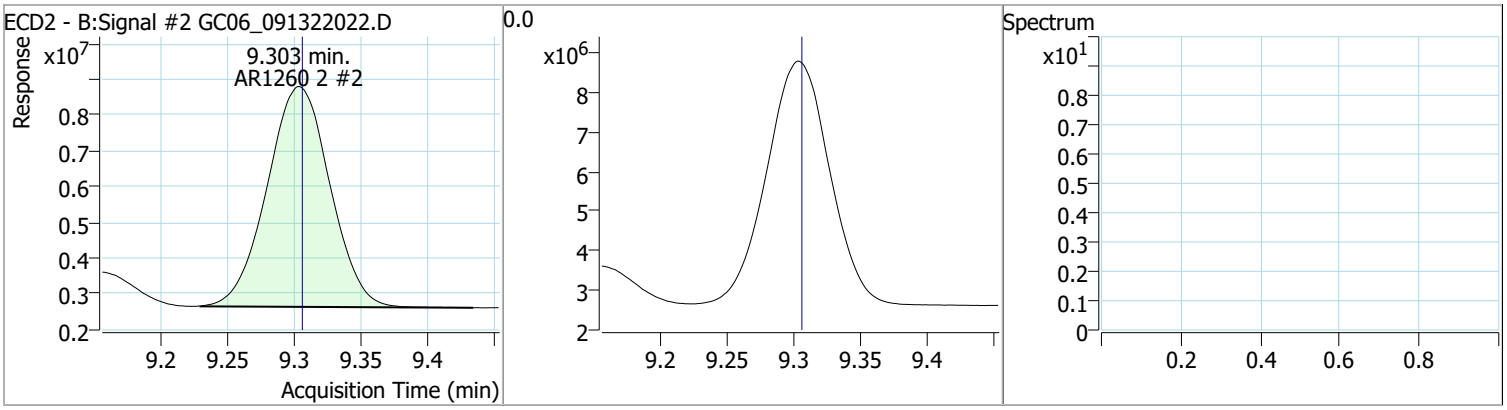
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	667.8594	8.75	-0.01	4953115				



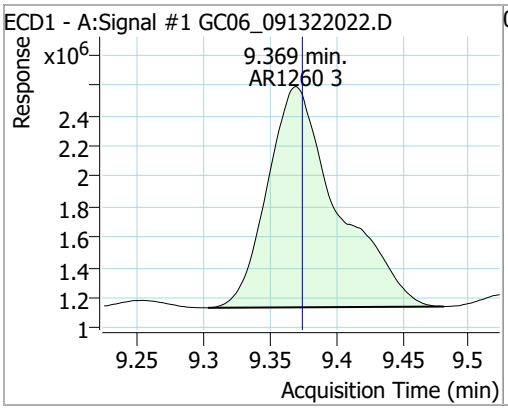
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	700.1795	8.80	-0.01	18367411				

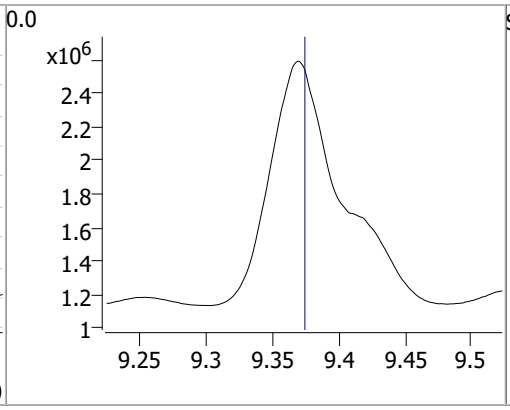


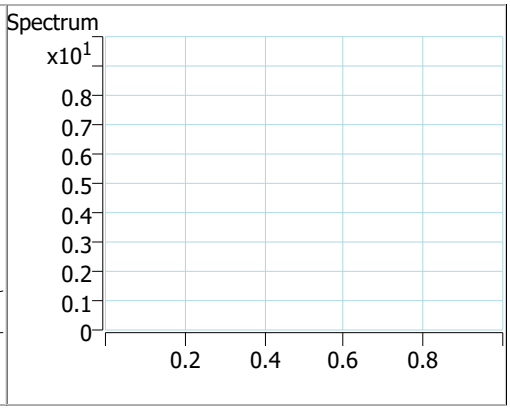
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	692.9007	9.30	0.00	20405245				



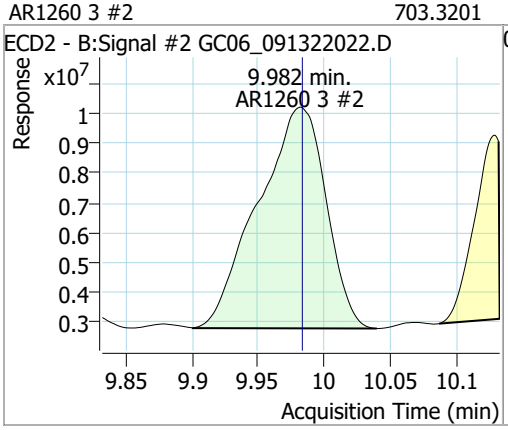
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	692.7704	9.37	-0.01	5379416				

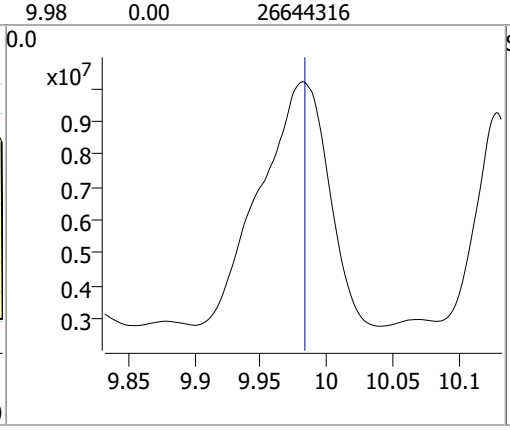


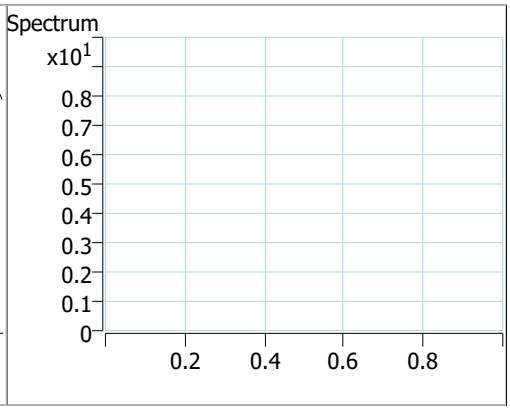




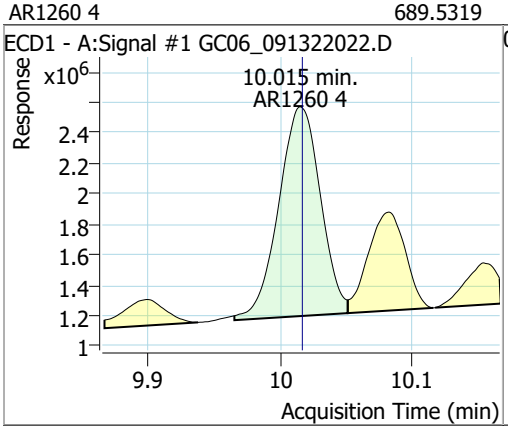
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	703.3201	9.98	0.00	26644316				

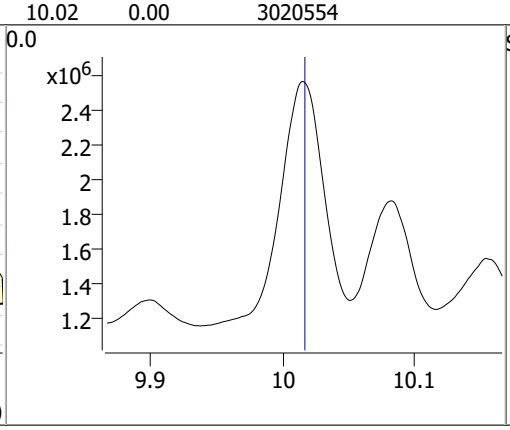


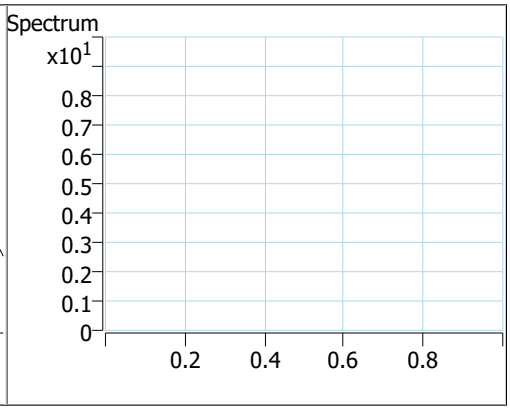




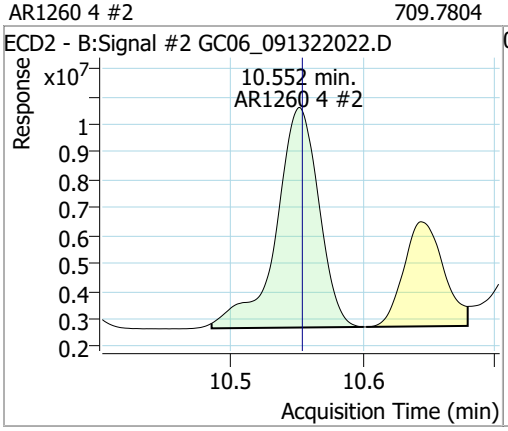
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	689.5319	10.02	0.00	3020554				

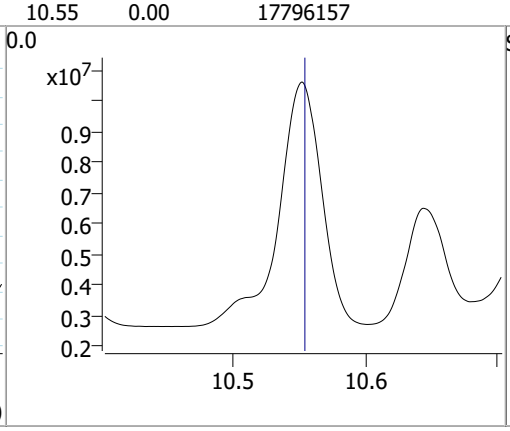


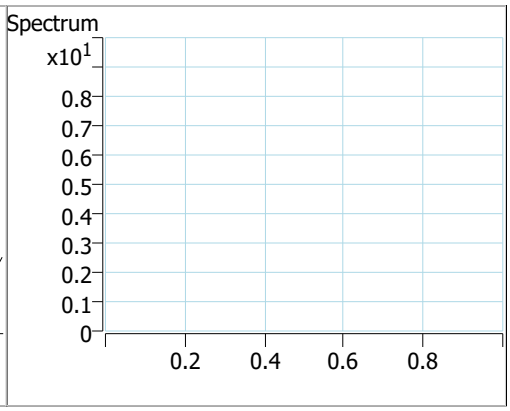




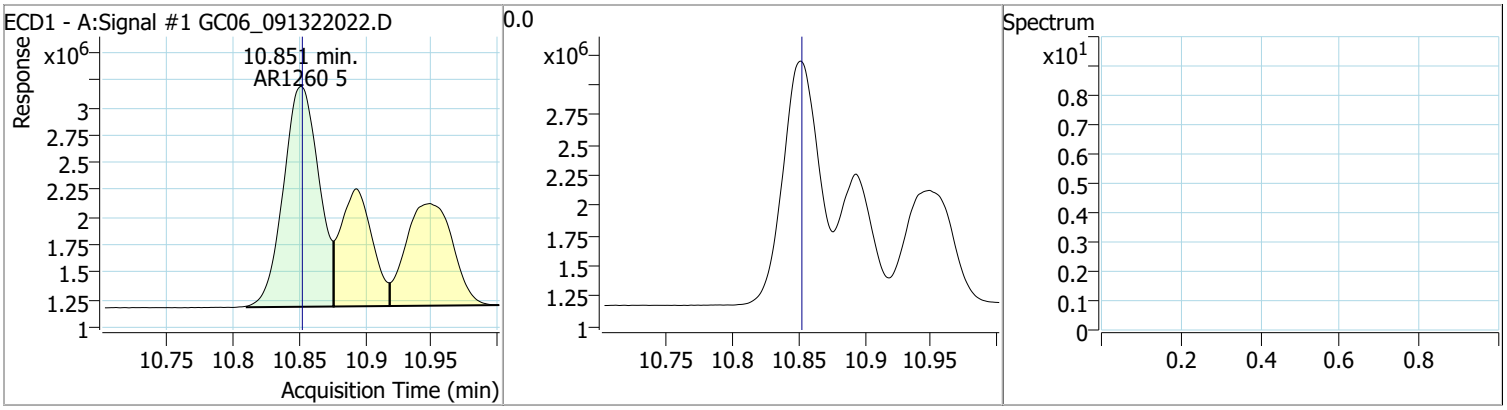
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	709.7804	10.55	0.00	17796157				



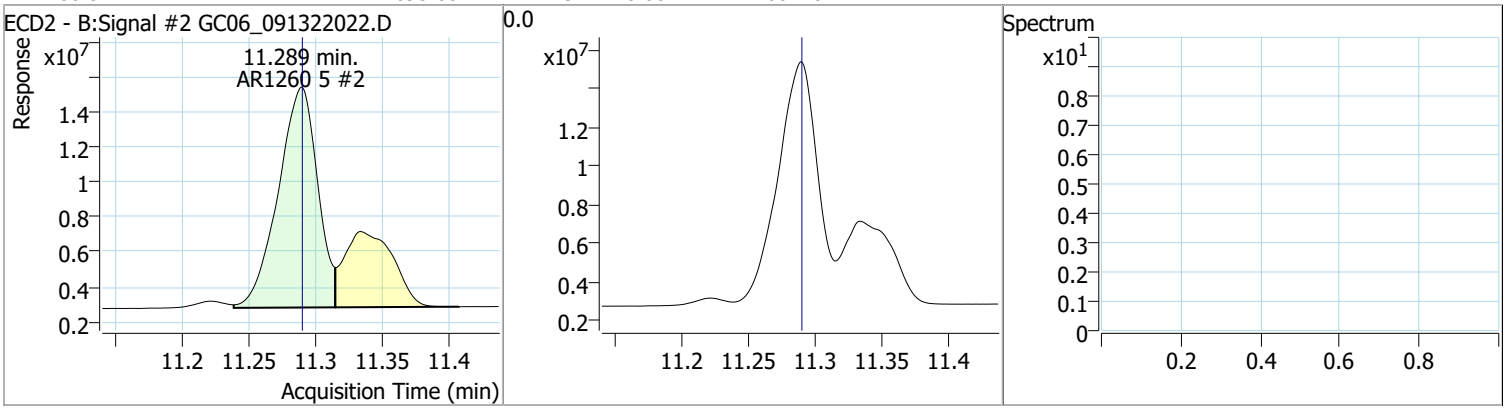




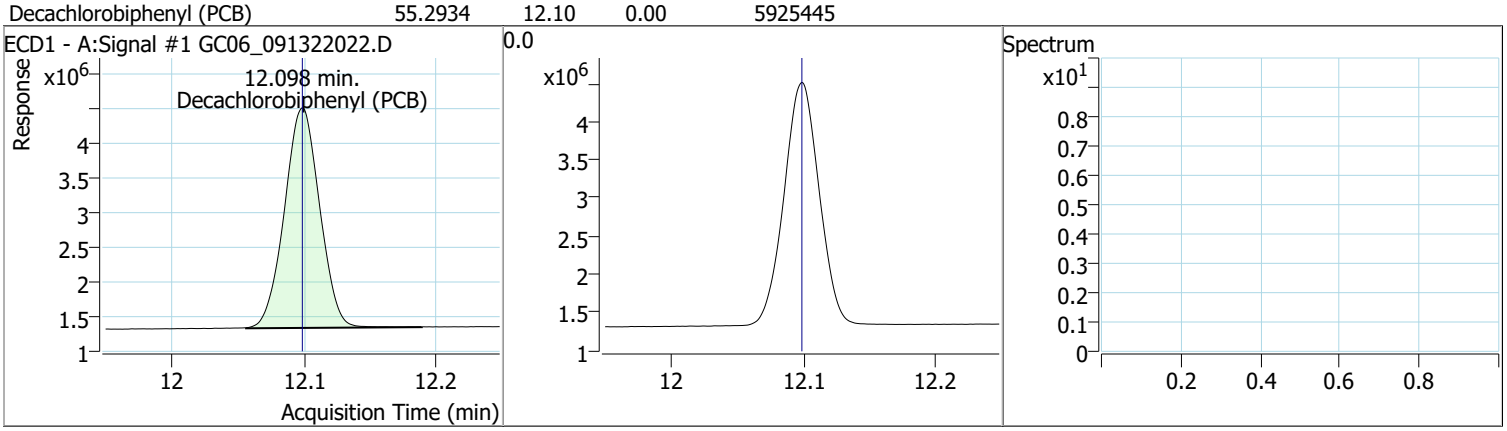
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	694.8529	10.85	0.00	3768694				



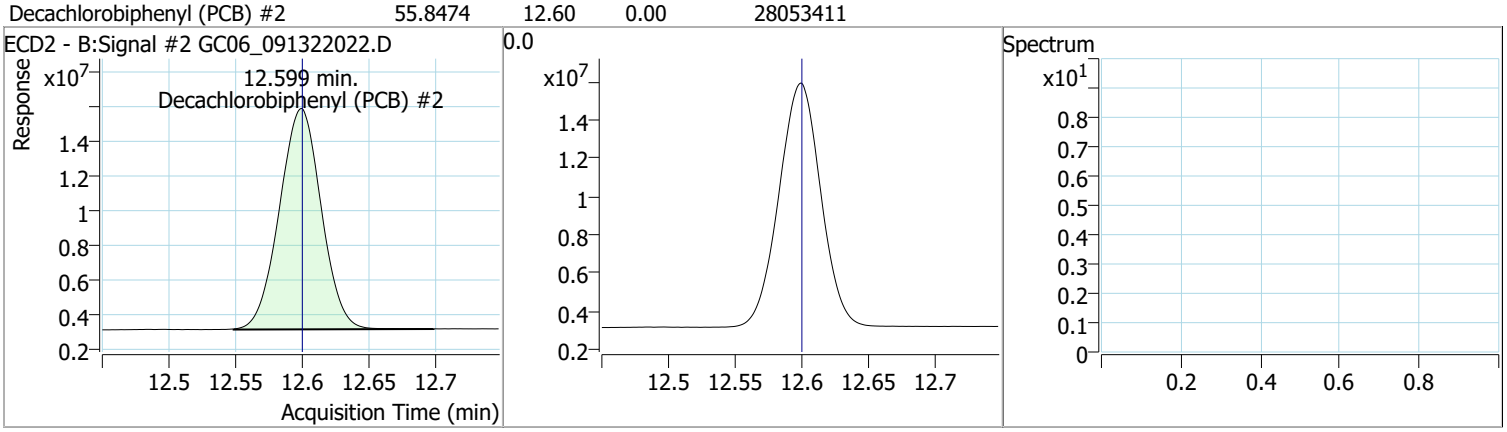
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	695.6841	11.29	0.00	26022014				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	55.2934	12.10	0.00	5925445				

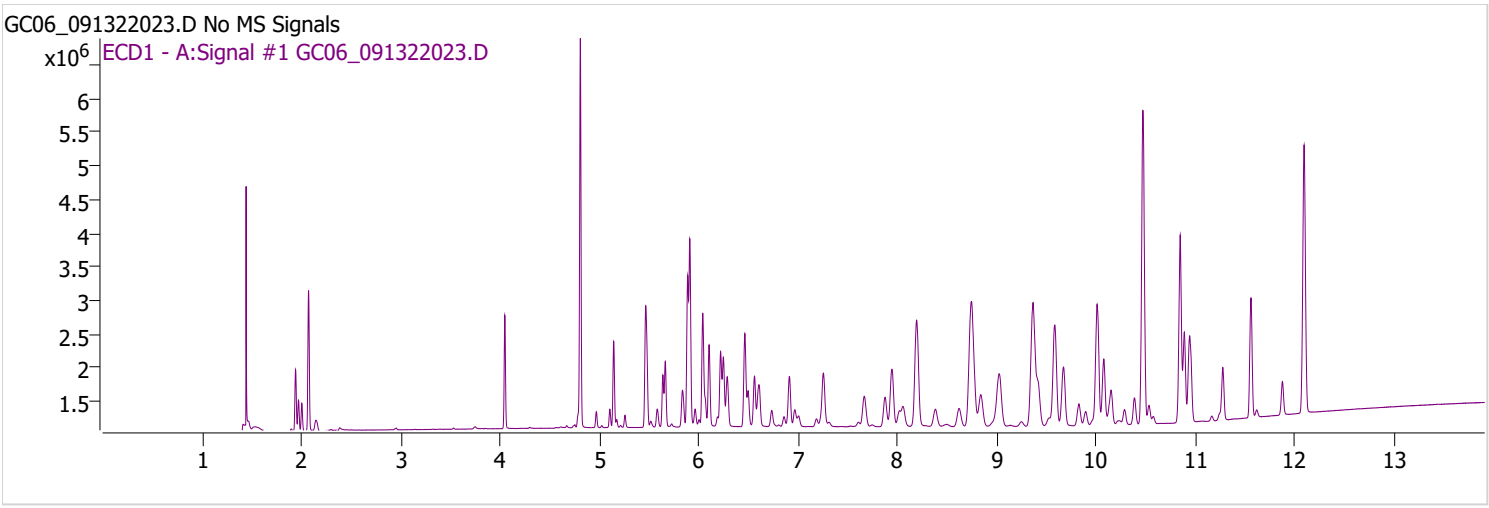


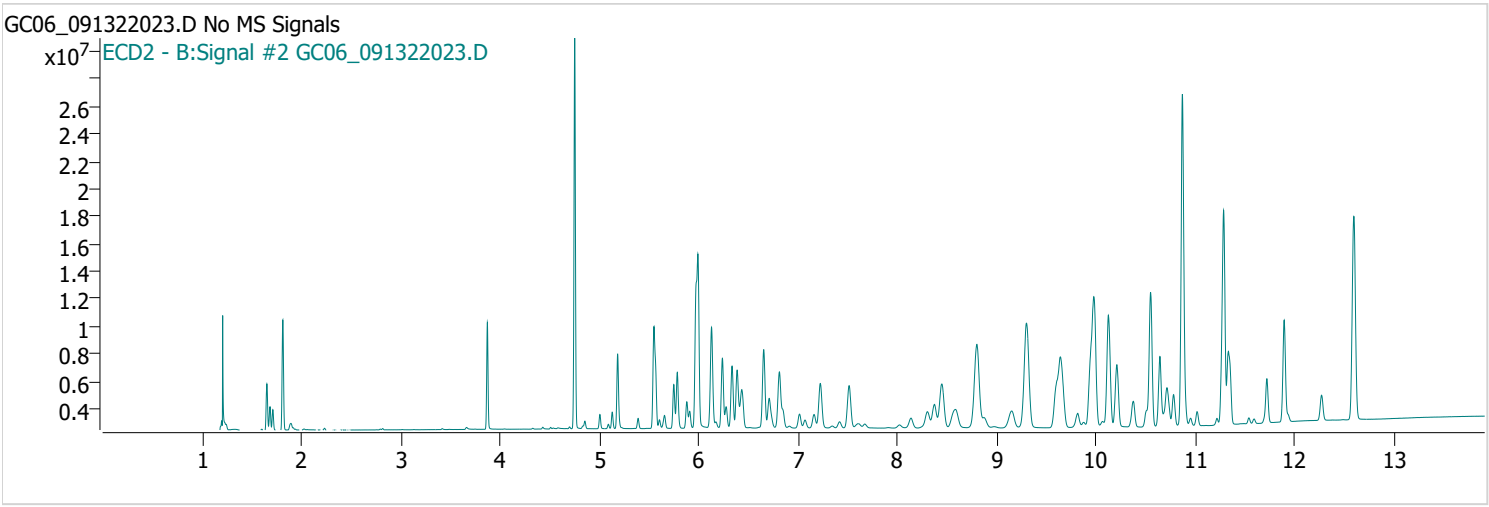
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	55.8474	12.60	0.00	28053411				



Quantitation Results Report (Not Reviewed)

Data File	GC06_091322023.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 2:23:50 AM
Sample Name	ICAL, S16585, 2	Instrument	SVOA-GC06
Vial	47	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



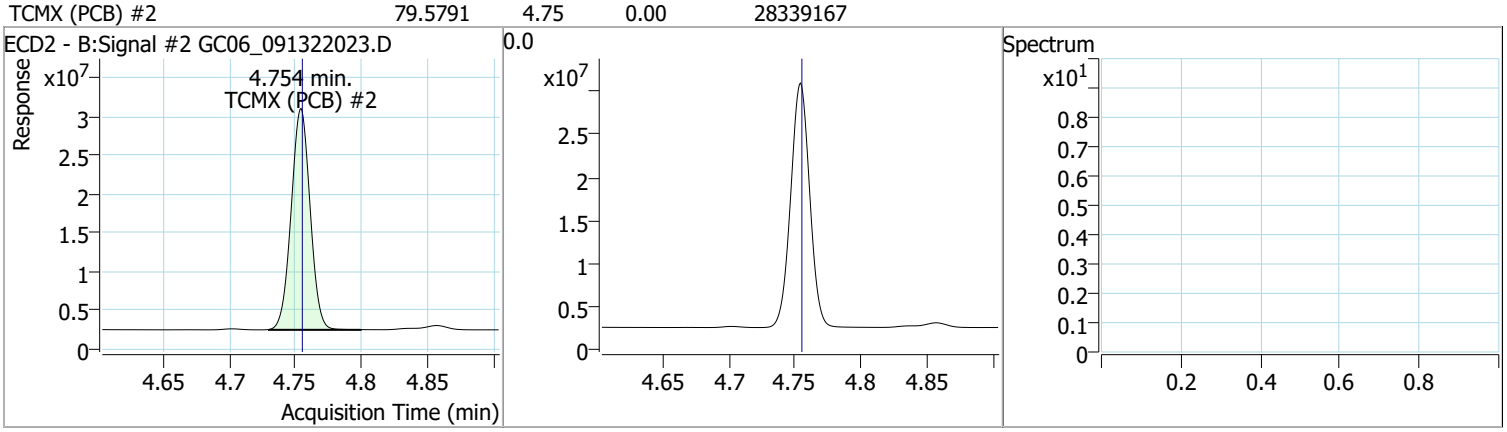


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	7274536.895	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.050	0.0	1550730.821	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.754	0.0	28339167.242	79.5791	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 397.90%		*	
S TCMX (PCB)	4.811	0.0	5723741.729	77.4890	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 387.44%		*	
S Decachlorobiphenyl (PCB)	12.099	0.0	7431472.733	71.4521	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 357.26%		*	
S Decachlorobiphenyl (PCB) #2	12.600	0.0	33751491.533	69.9447	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 349.72%		*	
Target Compounds							QValue

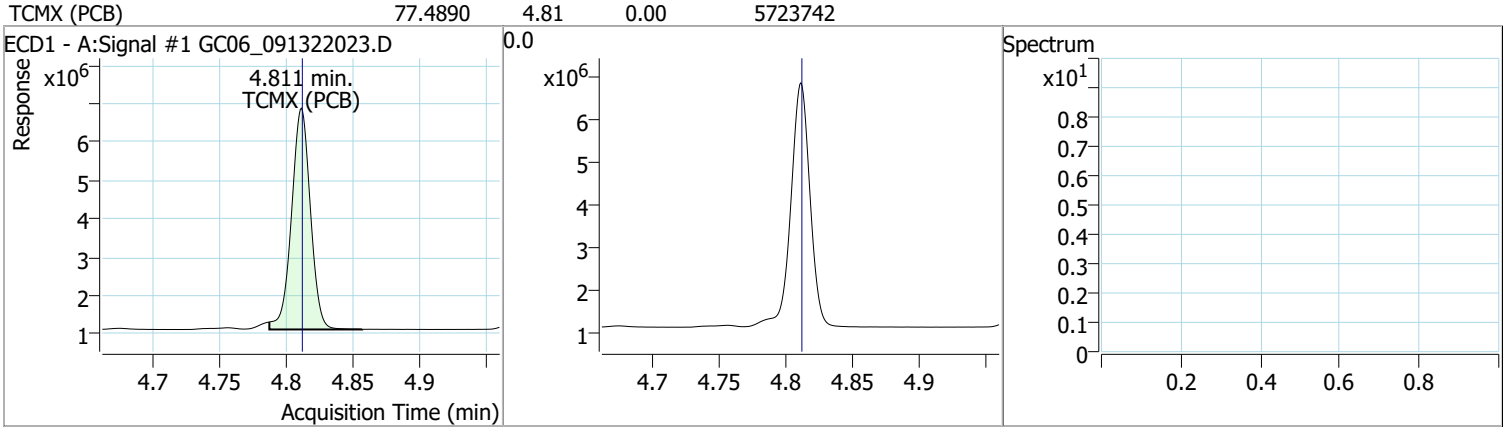
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.147	0.0	1414305.129	930.3463	ng/ml		100
T AR1016 1 #2	5.187	0.0	6727252.754	919.9683	ng/ml		100
T AR1016 2	5.469	0.0	2931245.469	902.0989	ng/ml		100
T AR1016 2 #2	5.553	0.0	13919148.465	912.6613	ng/ml		100
T AR1016 3	5.913	0.0	3513394.692	917.2523	ng/ml		100
T AR1016 3 #2	5.994	0.0	18131017.343	913.7394	ng/ml	m	100
T AR1016 4	6.043	0.0	2650554.735	919.3621	ng/ml		100
T AR1016 4 #2	6.132	0.0	12299925.918	938.1575	ng/ml		100
T AR1016 5	6.468	0.0	2149943.397	932.4809	ng/ml		100
T AR1016 5 #2	6.658	0.0	10312538.133	931.6025	ng/ml		100
T AR1260 1	8.198	0.0	4151764.106	910.1211	ng/ml		100
T AR1260 2	8.749	0.0	6358681.717	883.4094	ng/ml		100
T AR1260 1 #2	8.804	0.0	23010490.522	913.1293	ng/ml		100
T AR1260 2 #2	9.303	0.0	25426645.419	898.8004	ng/ml		100
T AR1260 3	9.370	0.0	6957083.553	923.1446	ng/ml		100
T AR1260 3 #2	9.981	0.0	33438635.943	918.8444	ng/ml		100
T AR1260 4	10.014	0.0	3885732.886	913.9639	ng/ml		100
T AR1260 4 #2	10.553	0.0	22289719.034	925.4380	ng/ml		100
T AR1260 5	10.852	0.0	4846672.063	920.7335	ng/ml		100
T AR1260 5 #2	11.288	0.0	32514070.133	904.8726	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

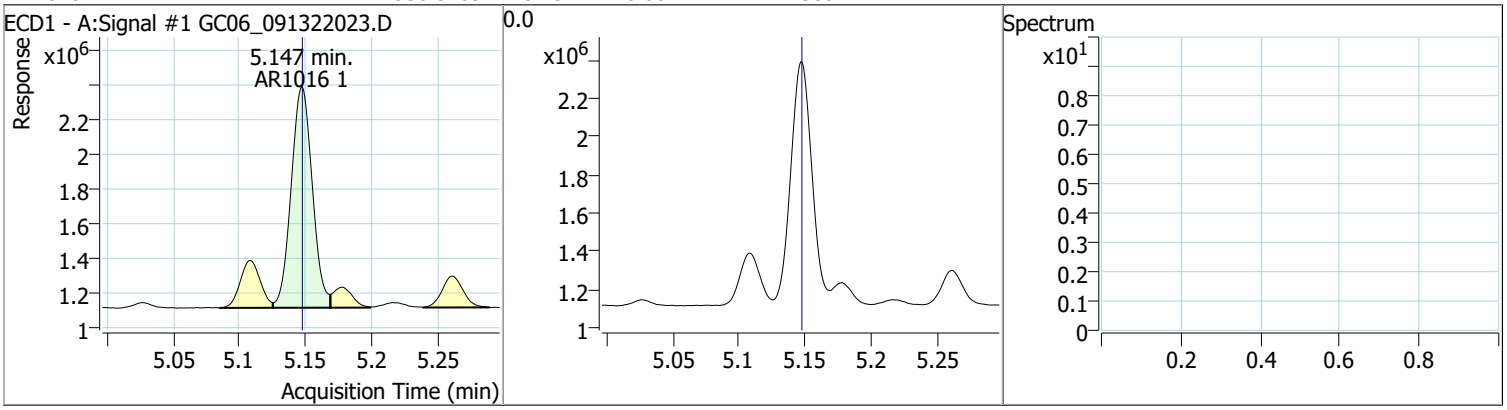
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	79.5791	4.75	0.00	28339167				



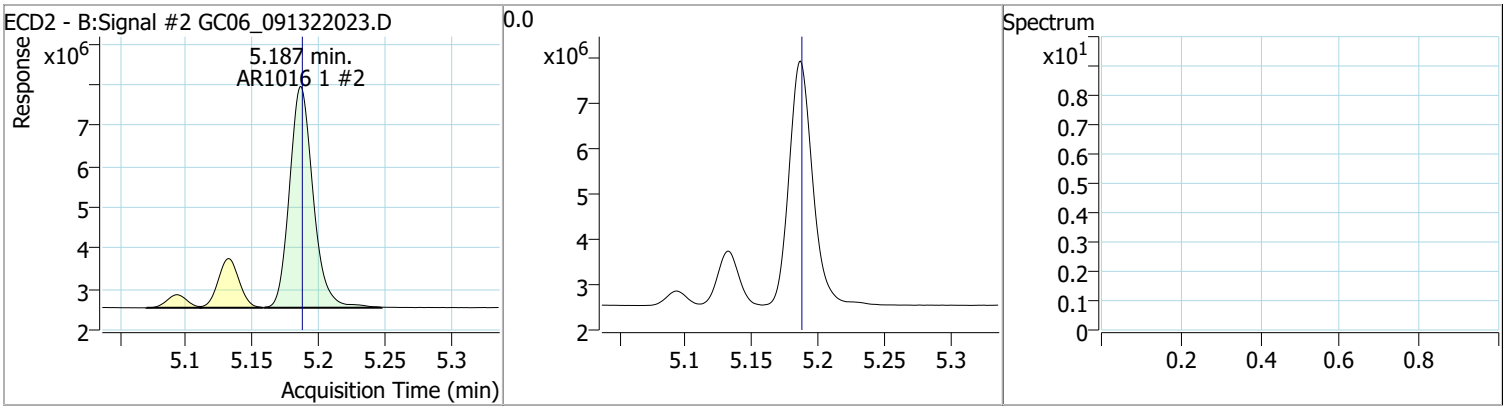
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TCMX (PCB)	77.4890	4.81	0.00	5723742				



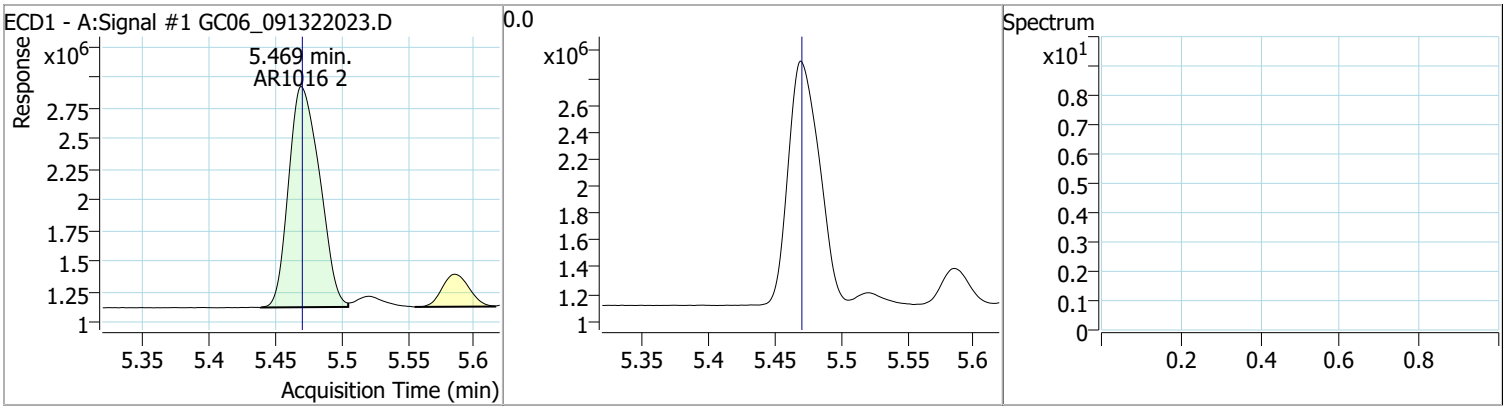
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	930.3463	5.15	0.00	1414305				



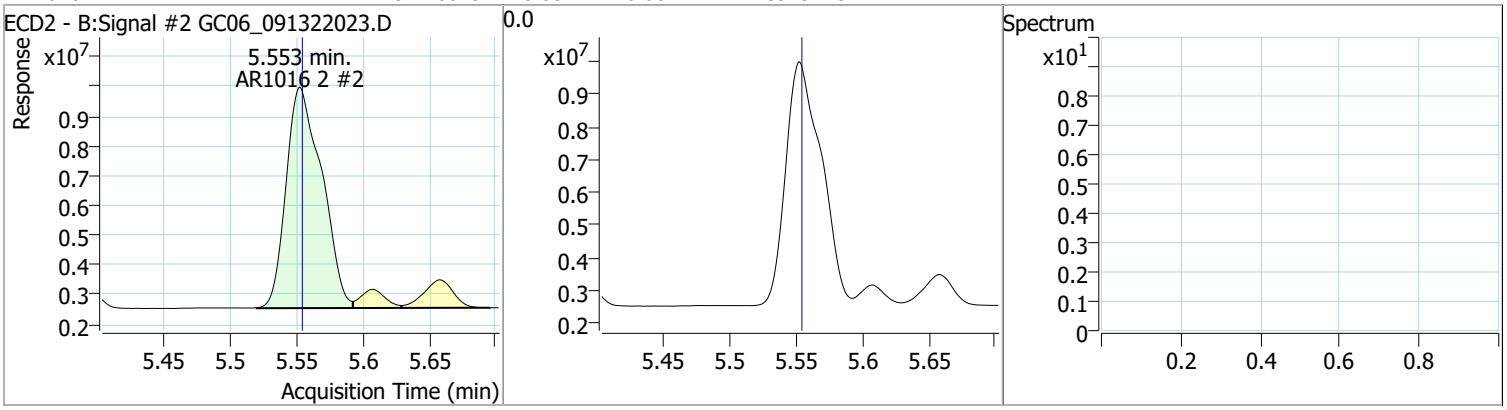
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AR1016 1 #2	919.9683	5.19	0.00	6727253				



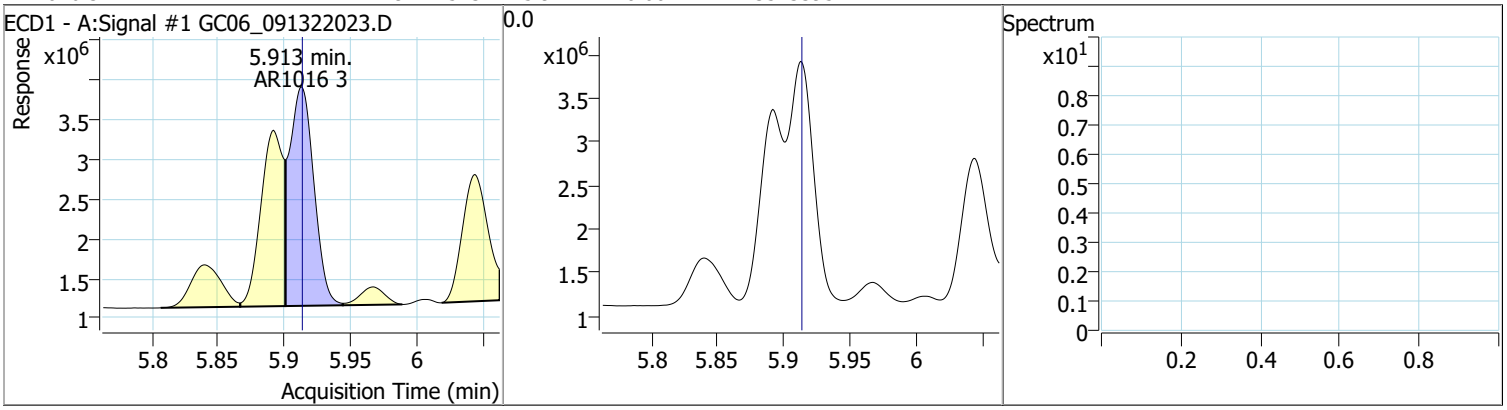
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AR1016 2	902.0989	5.47	0.00	2931245				



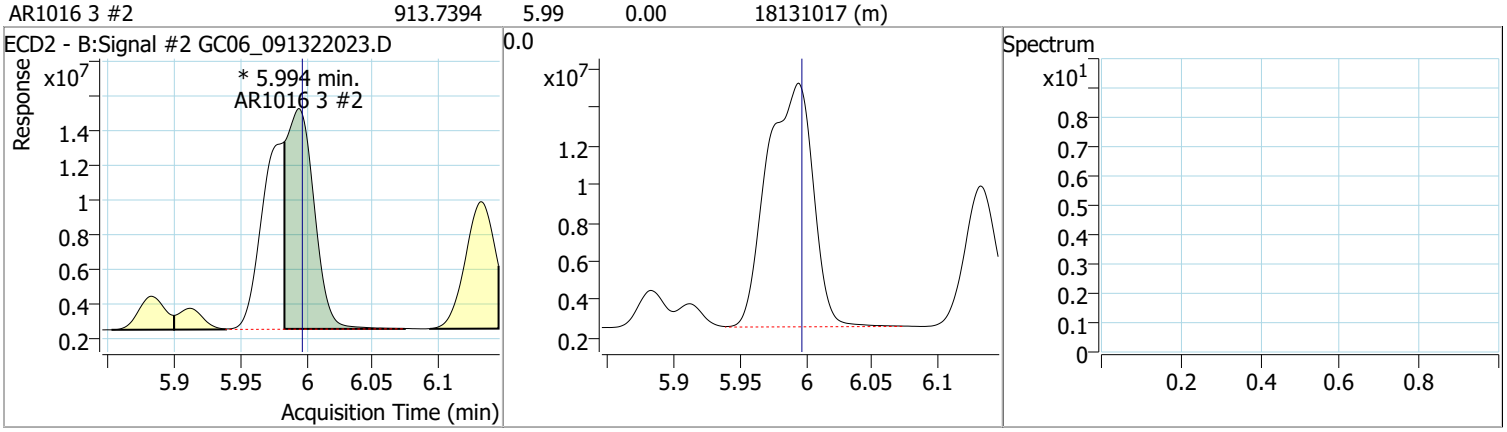
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AR1016 2 #2	912.6613	5.55	0.00	13919148				



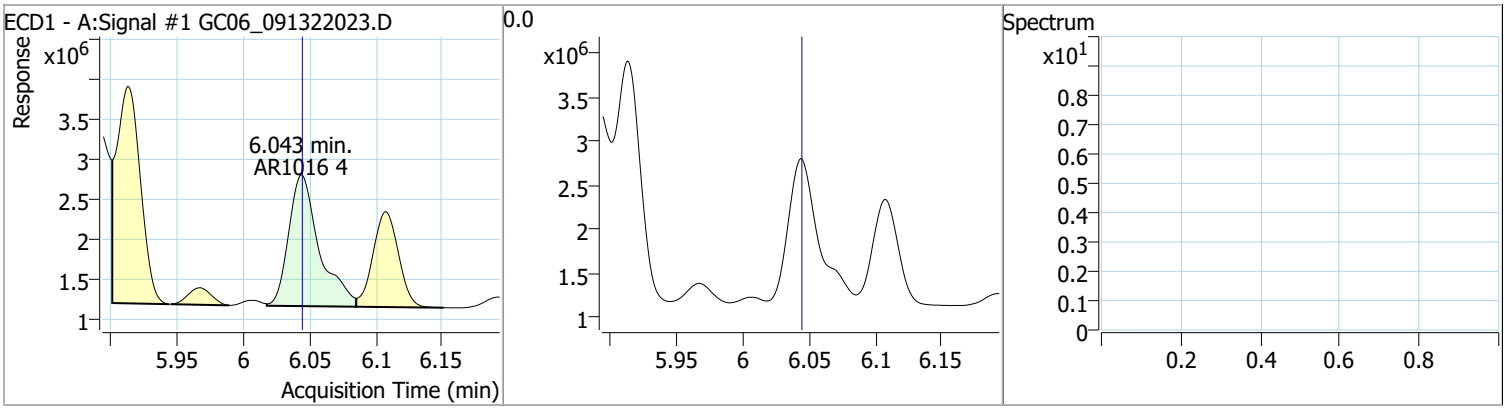
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AR1016 3	917.2523	5.91	0.00	3513395				



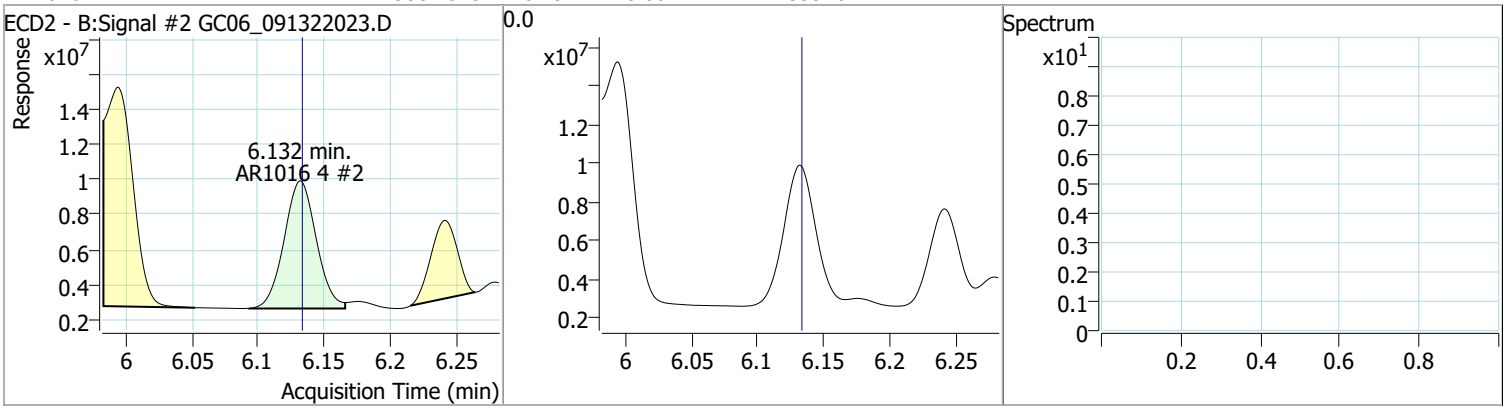
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	913.7394	5.99	0.00	18131017 (m)				



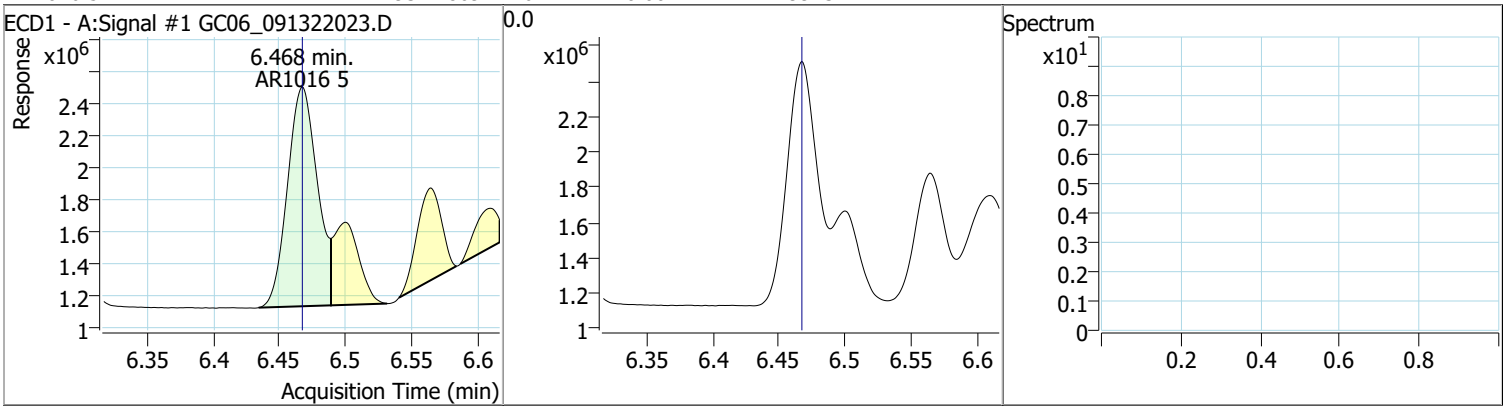
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AR1016 4	919.3621	6.04	0.00	2650555				



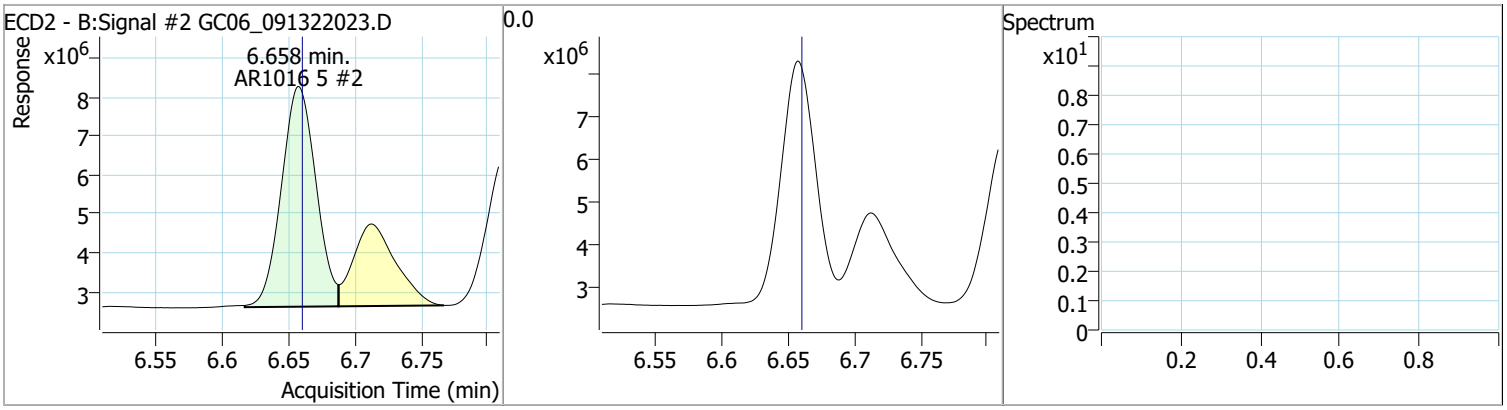
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AR1016 4 #2	938.1575	6.13	0.00	12299926				



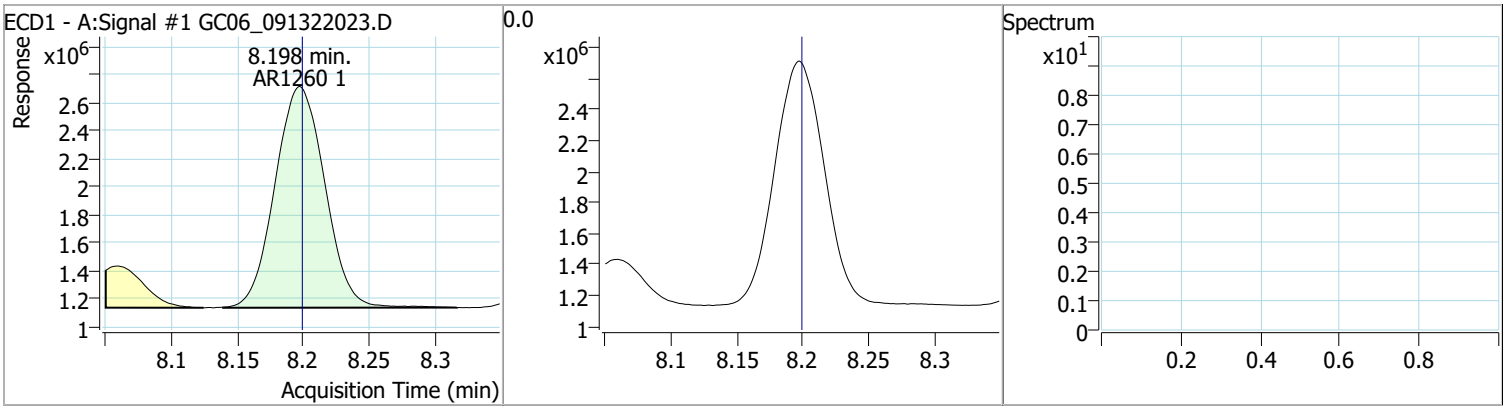
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	932.4809	6.47	0.00	2149943				



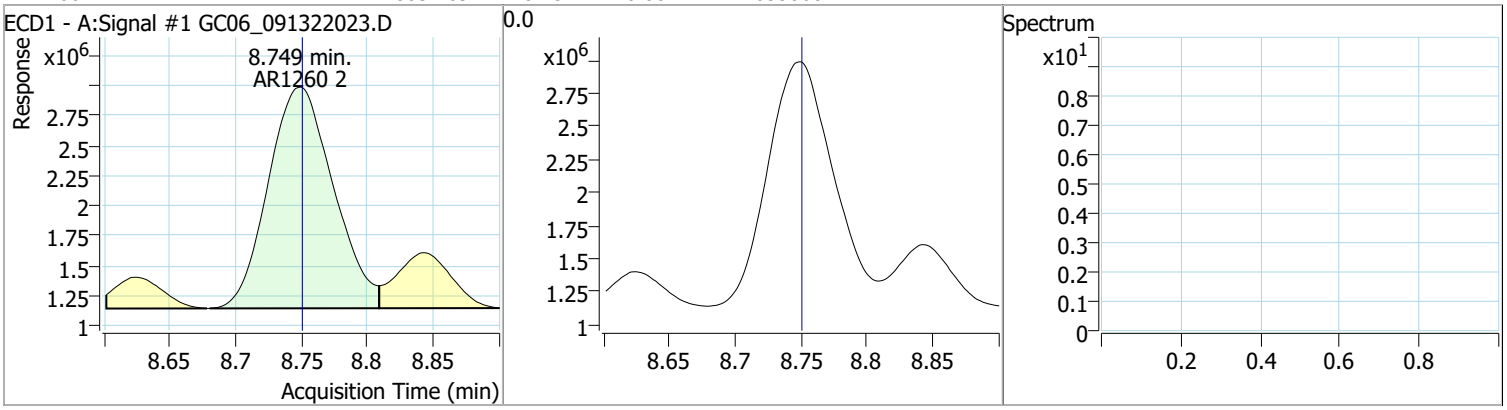
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	931.6025	6.66	0.00	10312538				



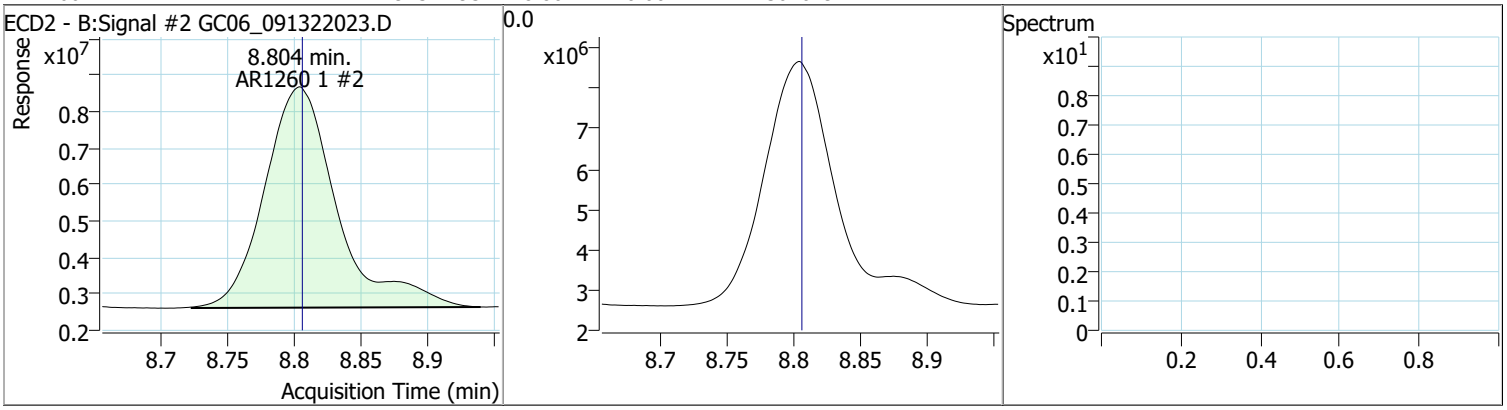
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	910.1211	8.20	0.00	4151764				



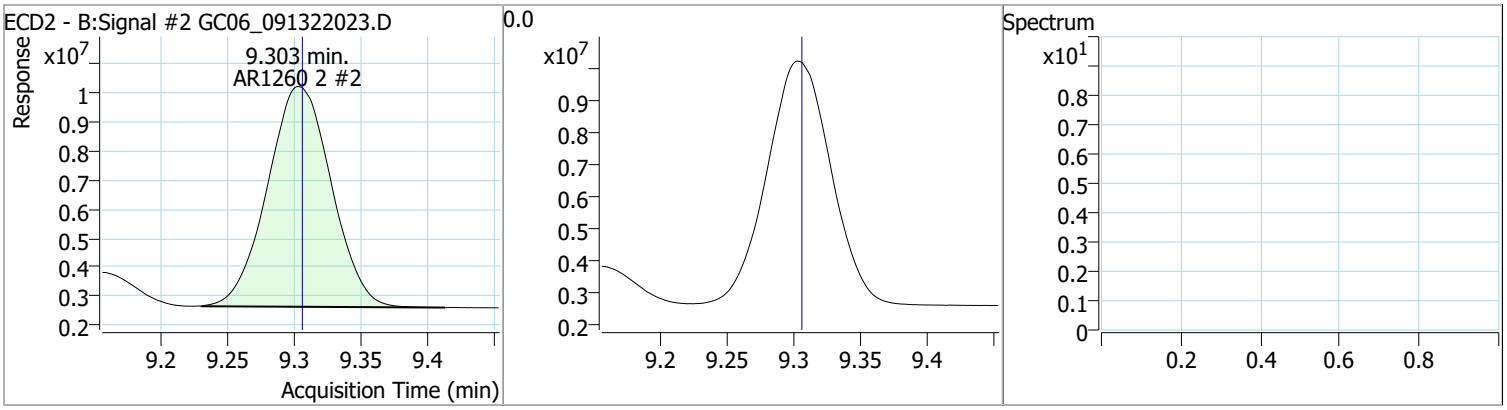
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	883.4094	8.75	0.00	6358682				



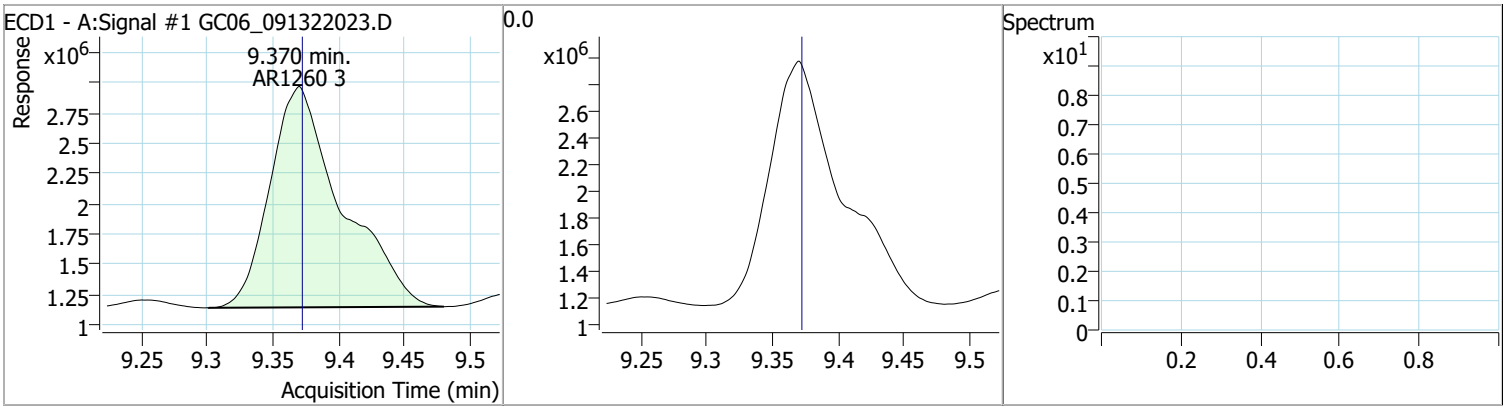
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AR1260 1 #2	913.1293	8.80	0.00	23010491				



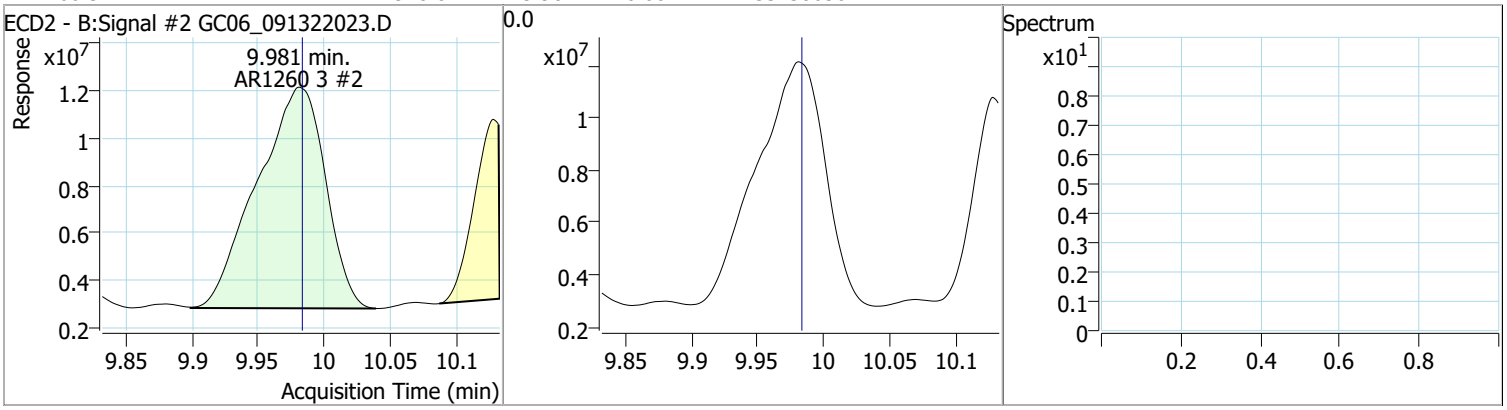
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AR1260 2 #2	898.8004	9.30	0.00	25426645				



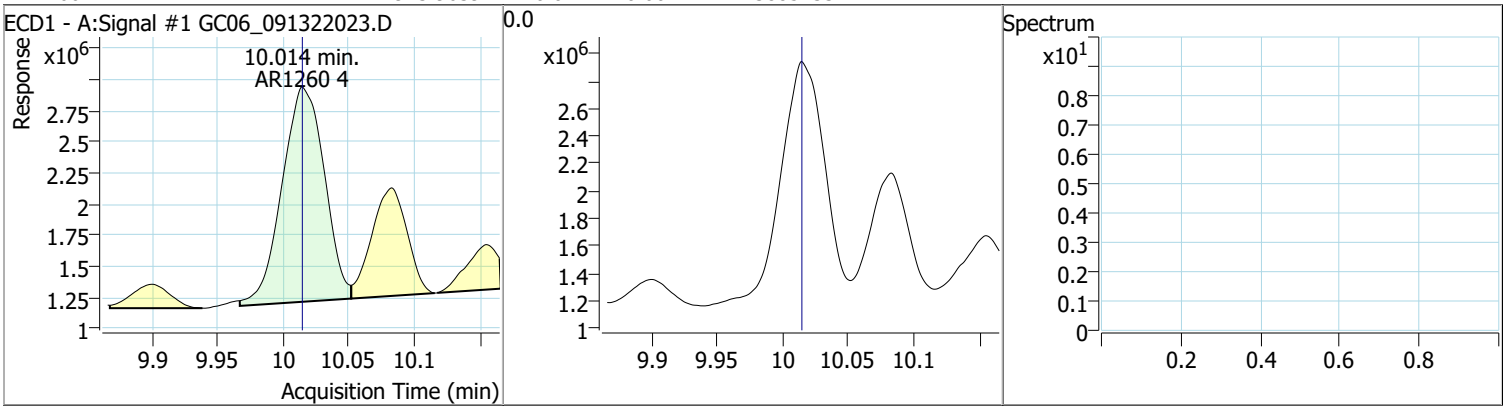
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	923.1446	9.37	-0.01	6957084				



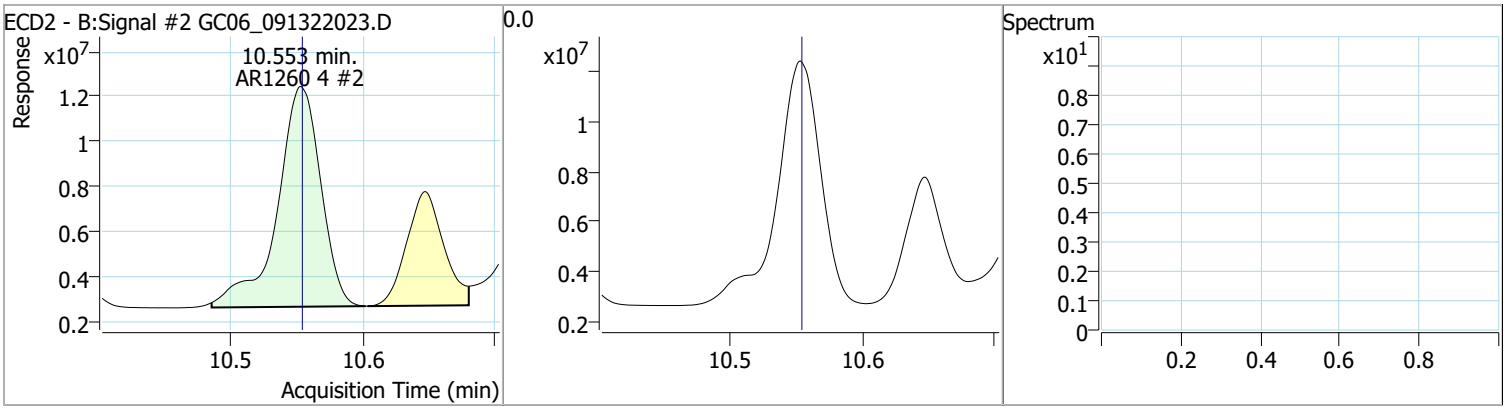
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	918.8444	9.98	0.00	33438636				



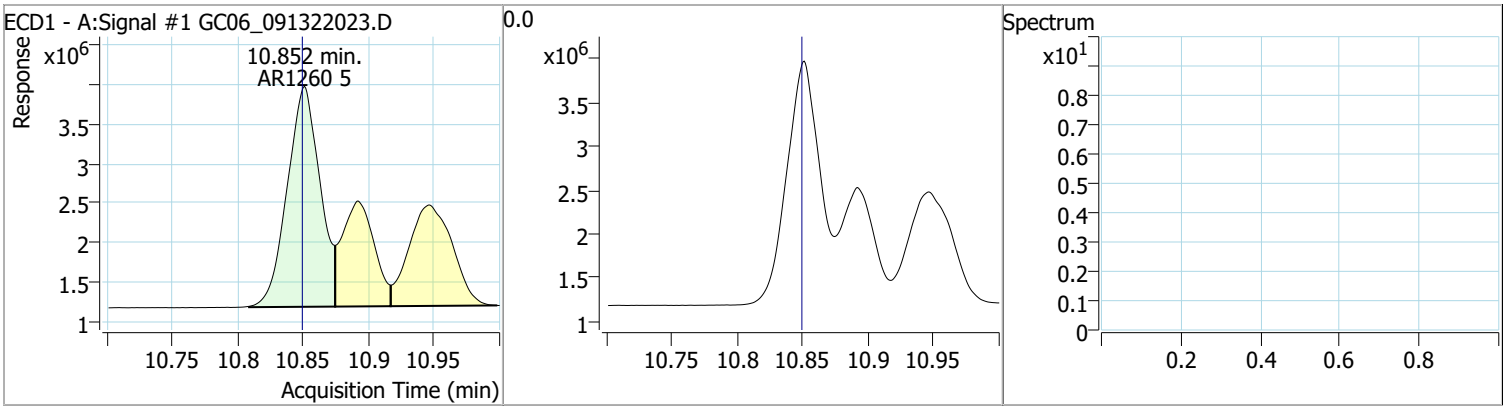
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	913.9639	10.01	0.00	3885733				



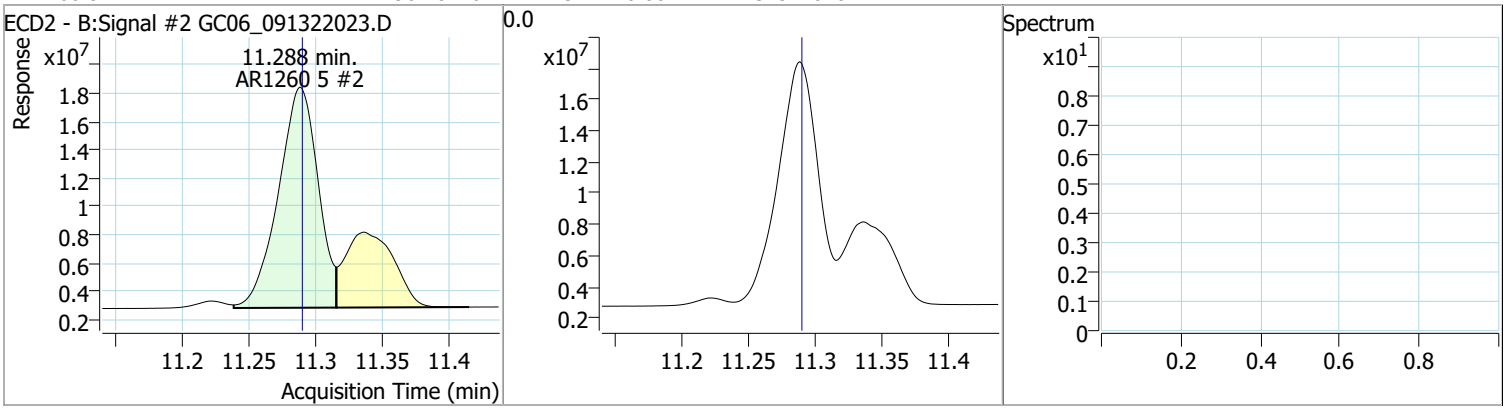
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AR1260 4 #2	925.4380	10.55	0.00	22289719				



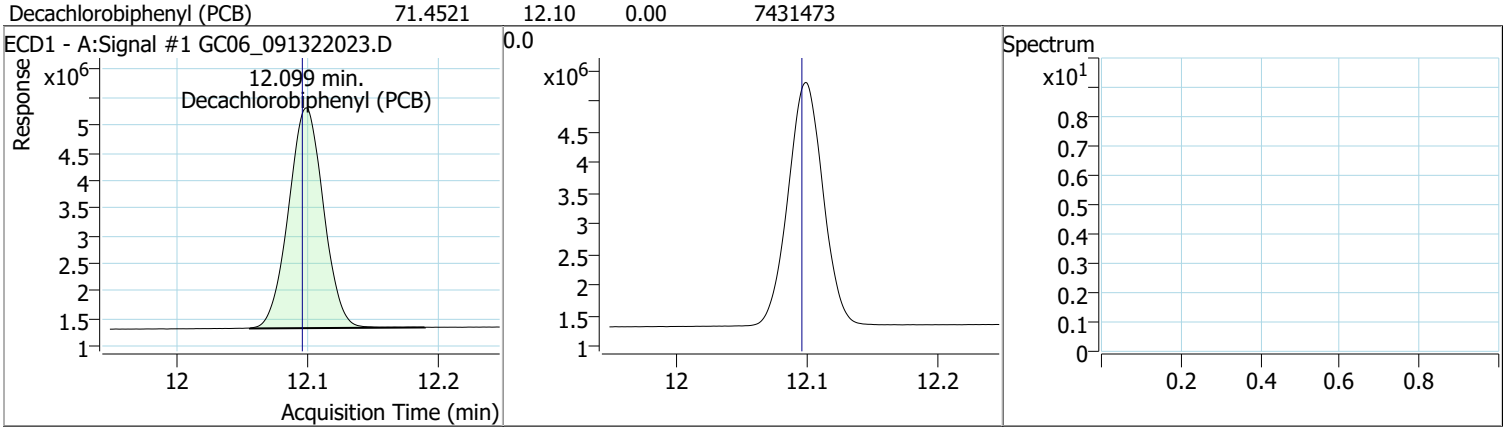
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	920.7335	10.85	0.00	4846672				



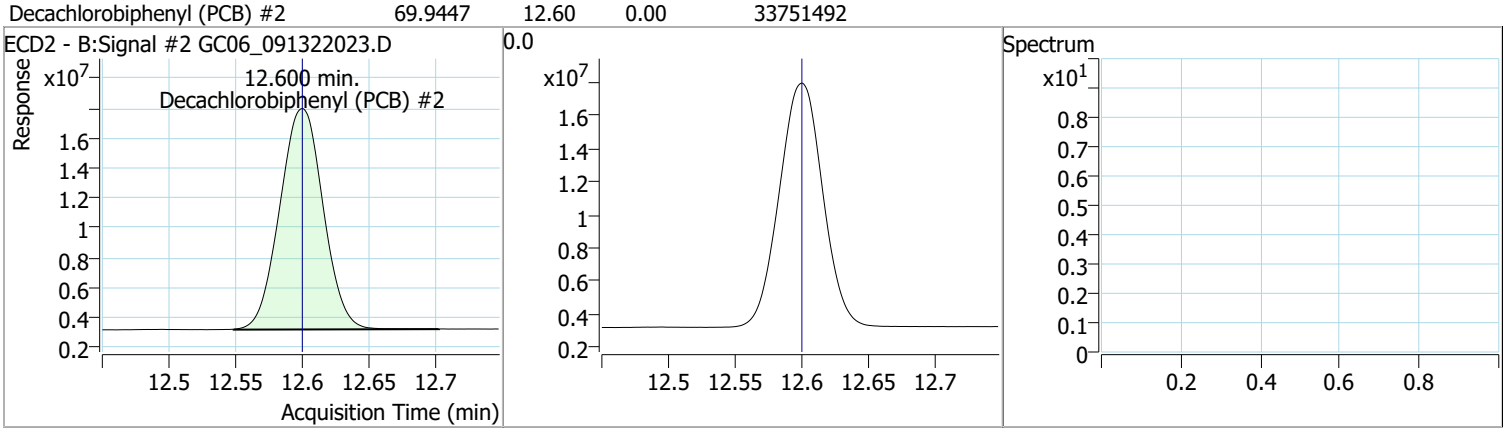
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	904.8726	11.29	0.00	32514070				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	71.4521	12.10	0.00	7431473				

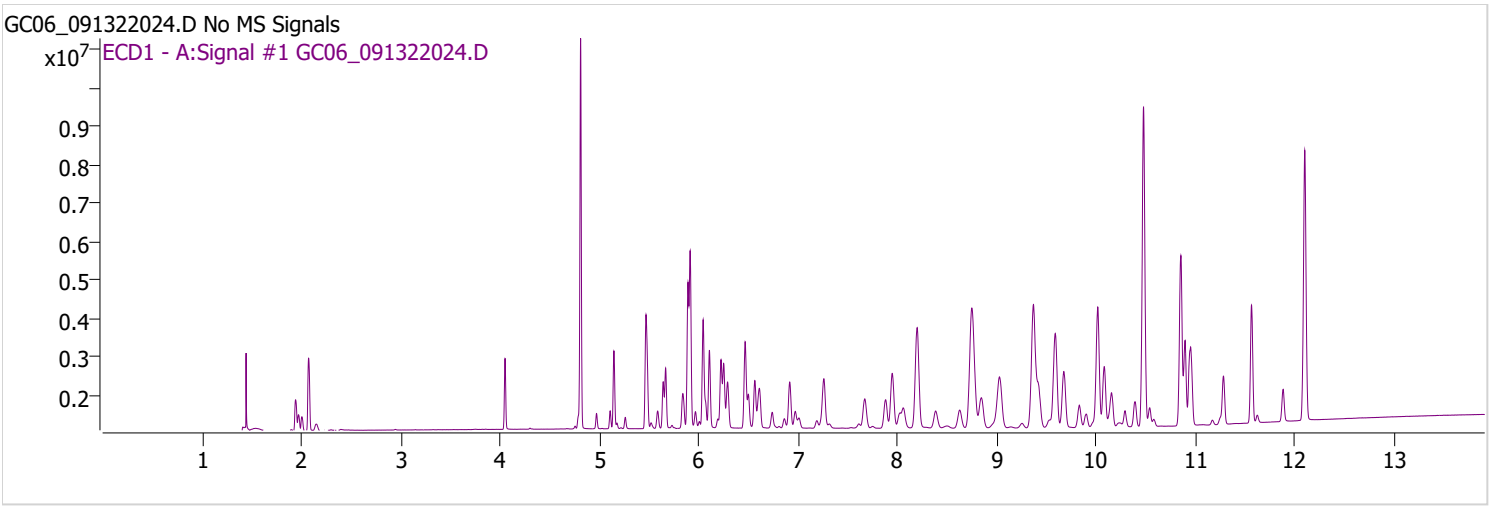


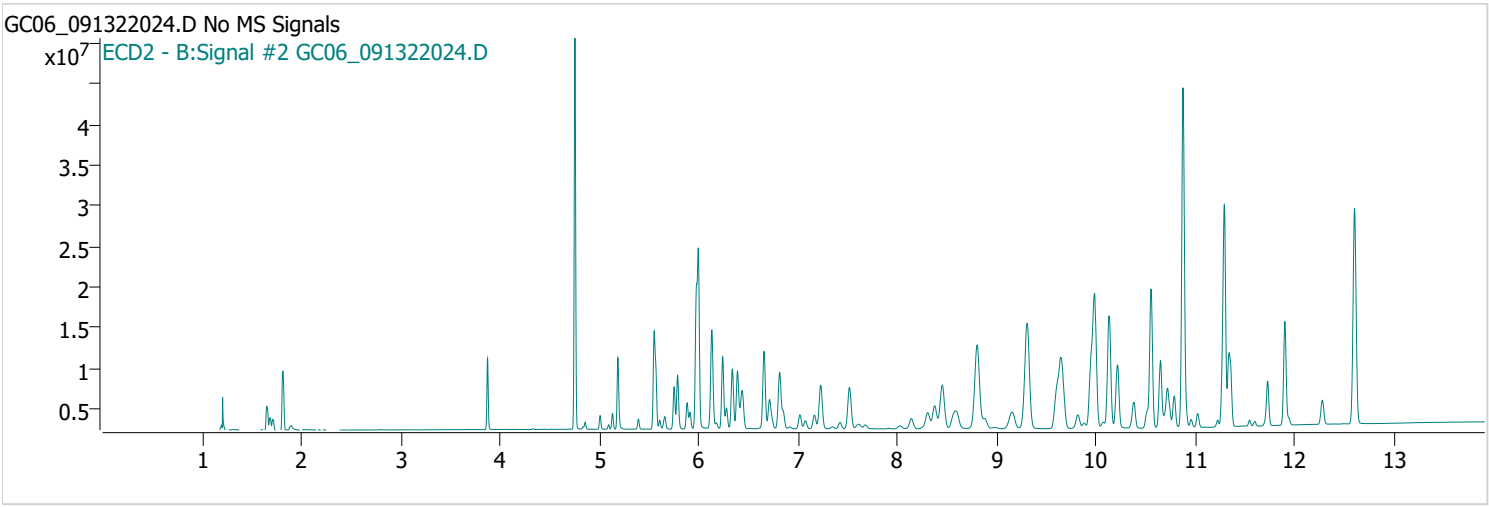
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	69.9447	12.60	0.00	33751492				



Quantitation Results Report (Not Reviewed)

Data File	GC06_091322024.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 2:41:11 AM
Sample Name	ICAL, S16585, 1.33	Instrument	SVOA-GC06
Vial	48	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



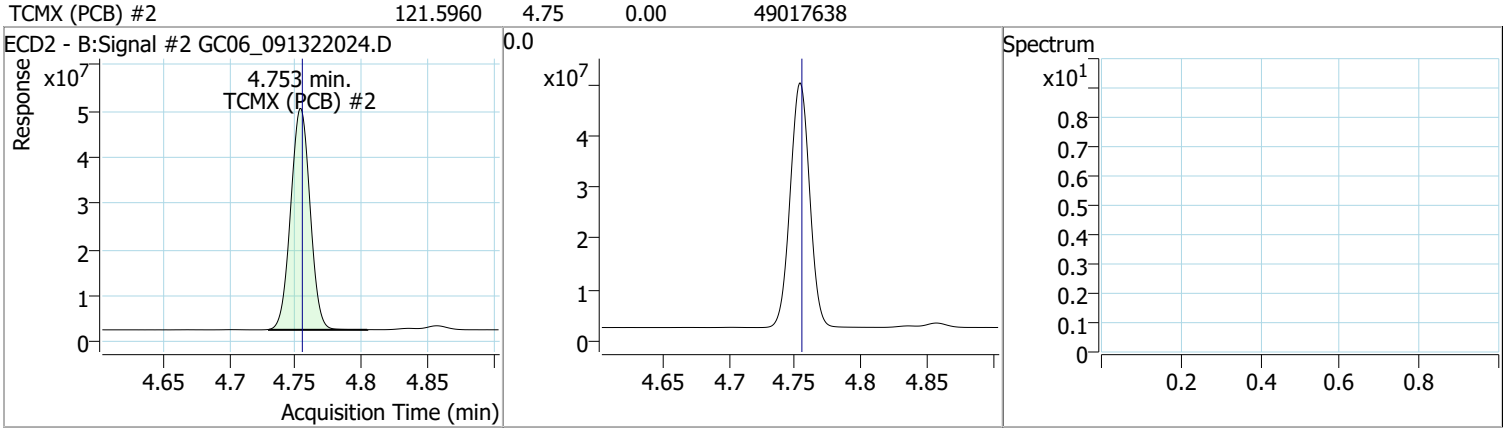


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	8234751.048	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.050	0.0	1752373.311	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.753	0.0	49017638.332	121.5960	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 607.98%		*	
S TCMX (PCB)	4.811	0.0	10001467.085	119.8211	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 599.11%		*	
S Decachlorobiphenyl (PCB)	12.099	0.0	12739350.551	108.3920	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 541.96%		*	
S Decachlorobiphenyl (PCB) #2	12.600	0.0	57203918.676	104.7231	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 523.62%		*	
Target Compounds							QValue

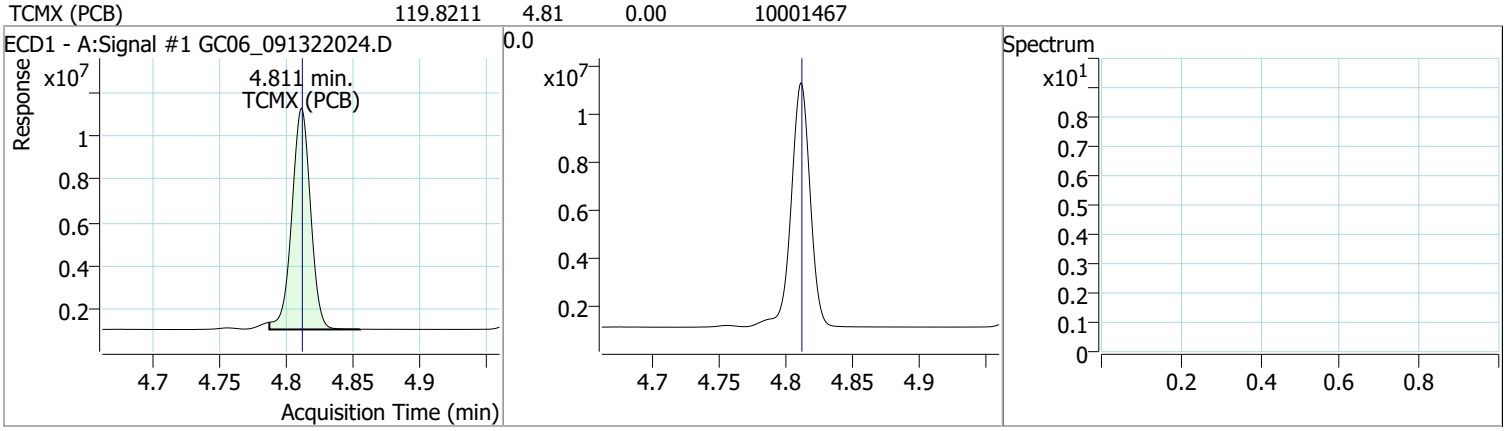
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.146	0.0	2287596.895	1331.6522	ng/ml		100
T AR1016 1 #2	5.186	0.0	10787169.423	1303.1592	ng/ml		100
T AR1016 2	5.469	0.0	4790619.636	1304.6783	ng/ml		100
T AR1016 2 #2	5.552	0.0	22779378.556	1319.4524	ng/ml		100
T AR1016 3	5.913	0.0	5954483.601	1375.6747	ng/ml		100
T AR1016 3 #2	5.995	0.0	32105527.904	1429.3377	ng/ml	m	100
T AR1016 4	6.044	0.0	4388598.095	1347.0552	ng/ml		100
T AR1016 4 #2	6.132	0.0	20606859.288	1388.4811	ng/ml		100
T AR1016 5	6.467	0.0	3522899.067	1352.1439	ng/ml		100
T AR1016 5 #2	6.657	0.0	17200758.370	1372.6745	ng/ml		100
T AR1260 1	8.198	0.0	6763519.527	1312.0460	ng/ml		100
T AR1260 2	8.748	0.0	10601305.659	1303.3591	ng/ml		100
T AR1260 1 #2	8.801	0.0	38537329.387	1350.9612	ng/ml		100
T AR1260 2 #2	9.304	0.0	42100893.772	1314.6810	ng/ml		100
T AR1260 3	9.368	0.0	11728713.732	1377.2180	ng/ml		100
T AR1260 3 #2	9.983	0.0	57383496.473	1392.9493	ng/ml		100
T AR1260 4	10.016	0.0	6581156.231	1369.8344	ng/ml		100
T AR1260 4 #2	10.552	0.0	37956405.217	1392.1393	ng/ml		100
T AR1260 5	10.853	0.0	8403295.539	1412.6994	ng/ml		100
T AR1260 5 #2	11.289	0.0	56137594.244	1380.1452	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

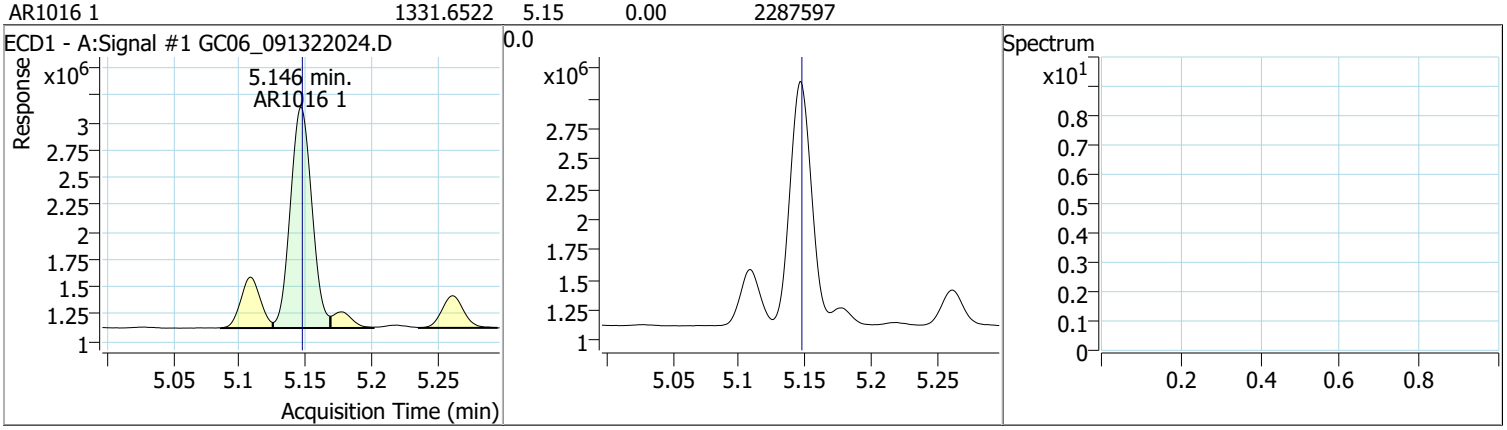
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	121.5960	4.75	0.00	49017638				



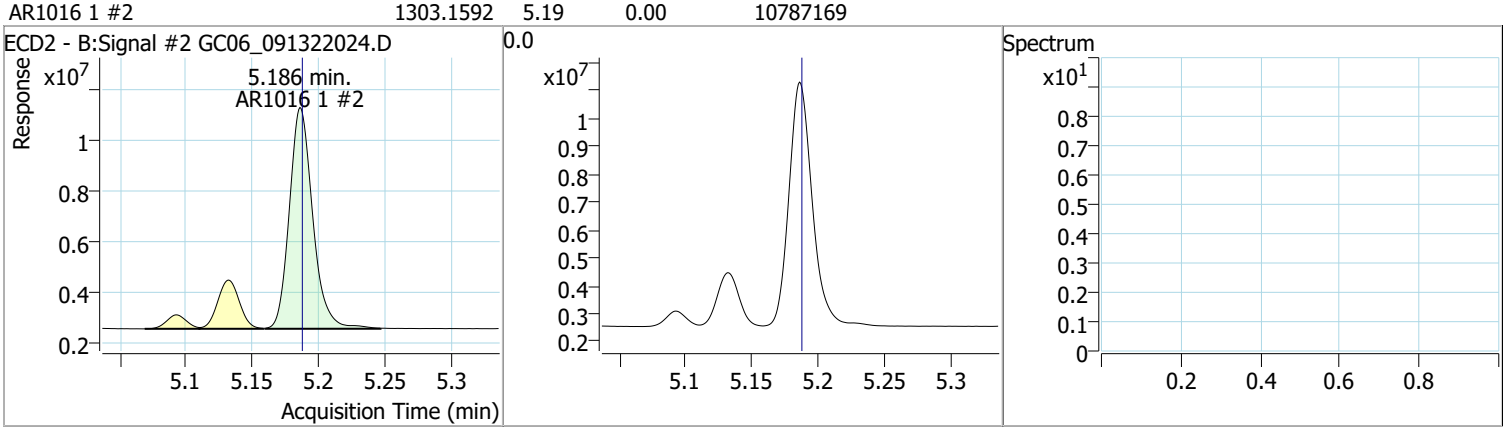
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	119.8211	4.81	0.00	10001467				



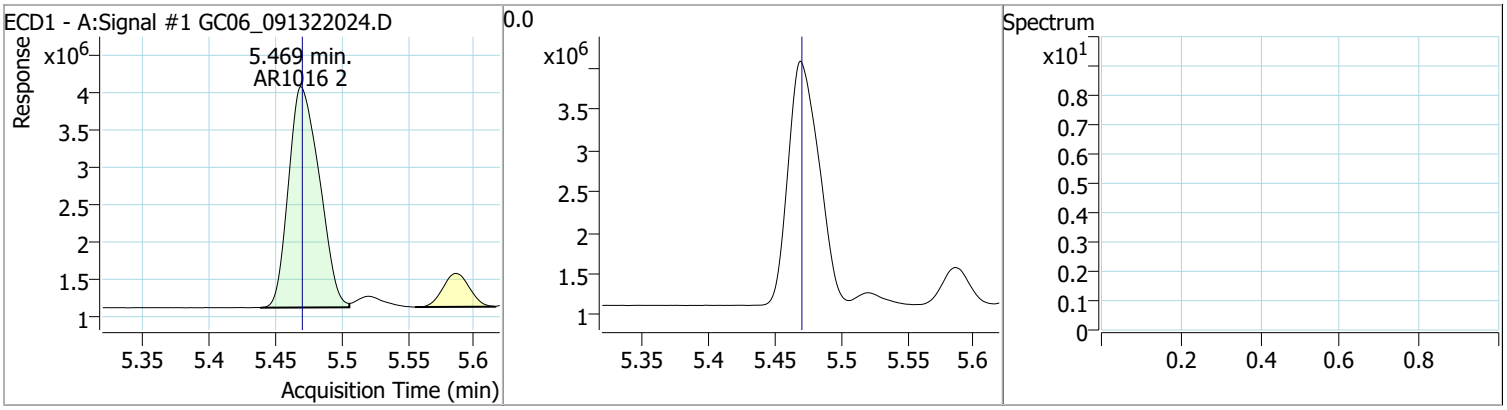
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1331.6522	5.15	0.00	2287597				



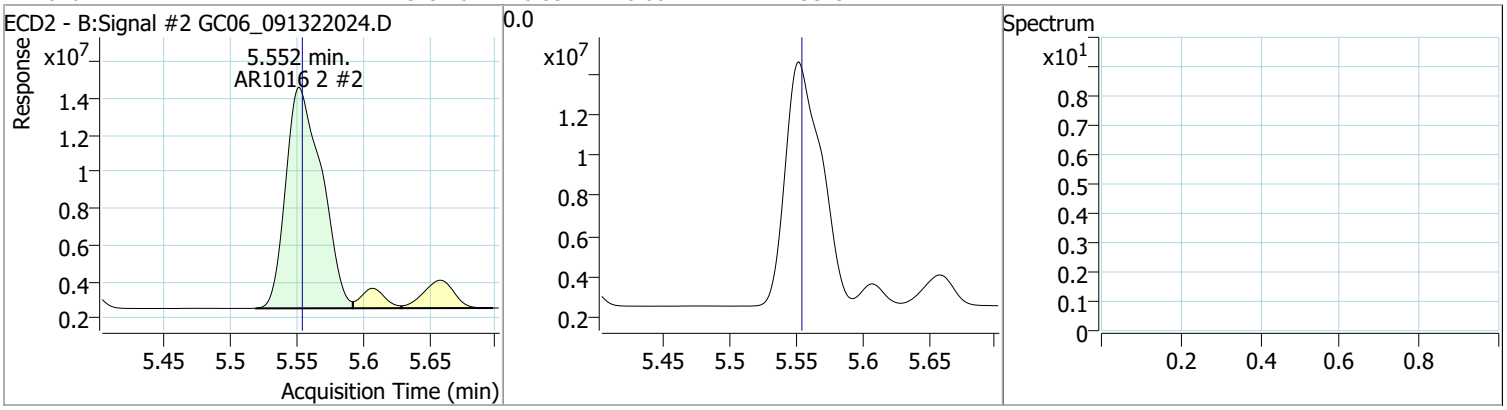
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1303.1592	5.19	0.00	10787169				



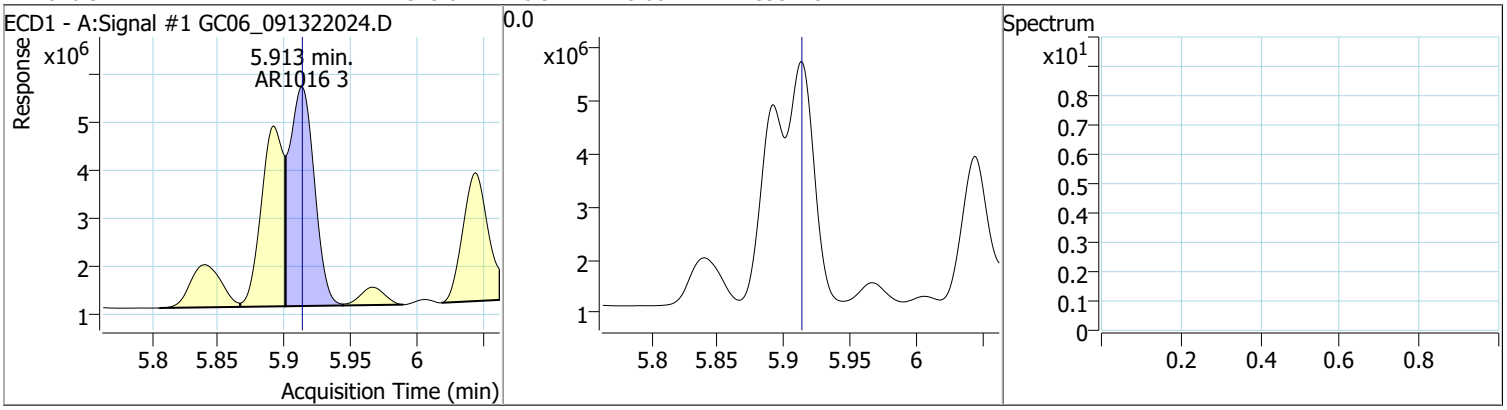
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1304.6783	5.47	0.00	4790620				



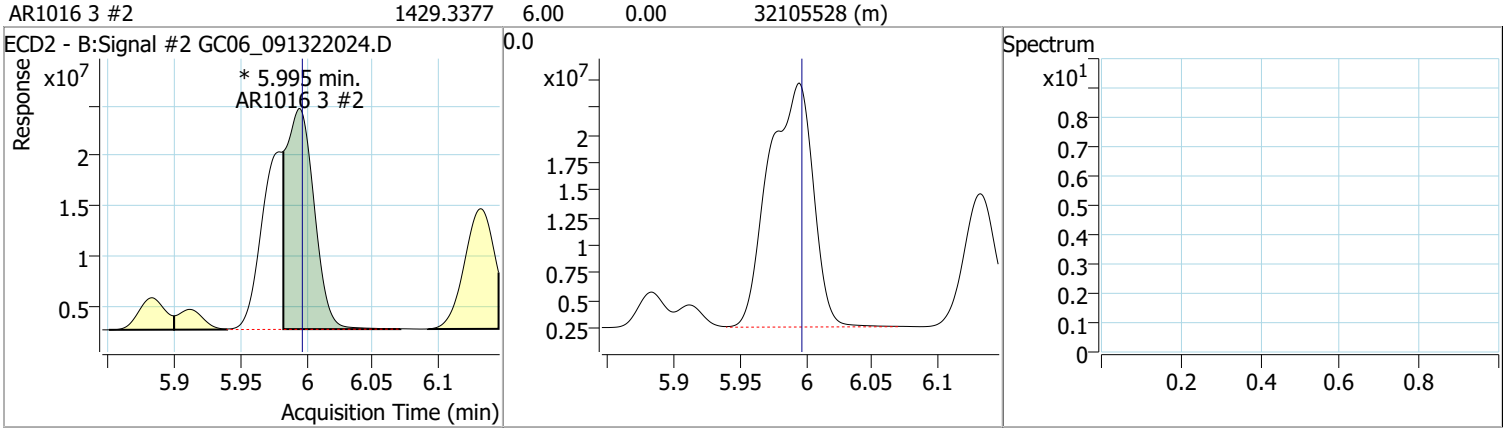
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AR1016 2 #2	1319.4524	5.55	0.00	22779379				



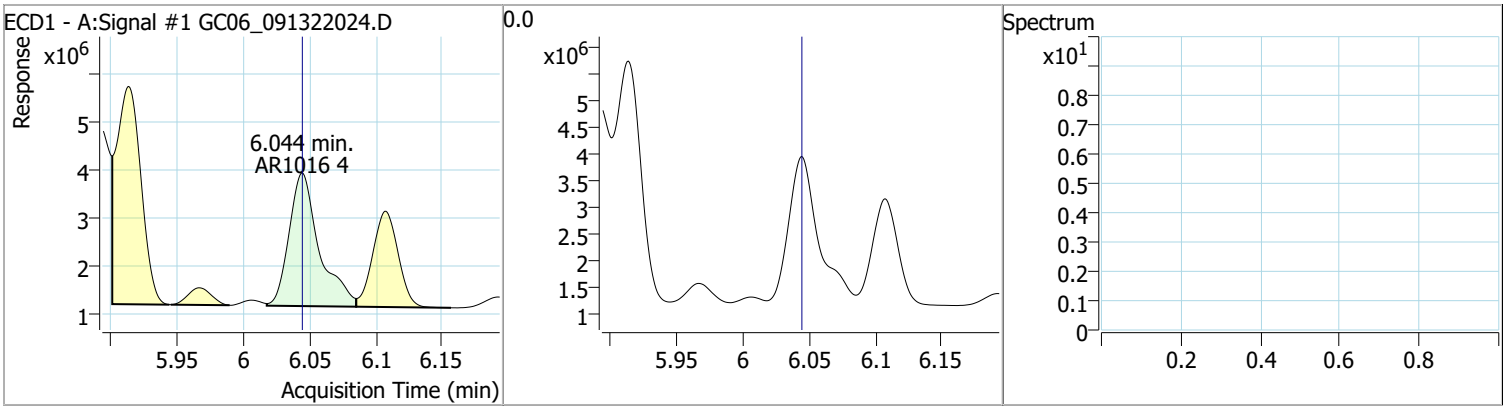
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1375.6747	5.91	0.00	5954484				



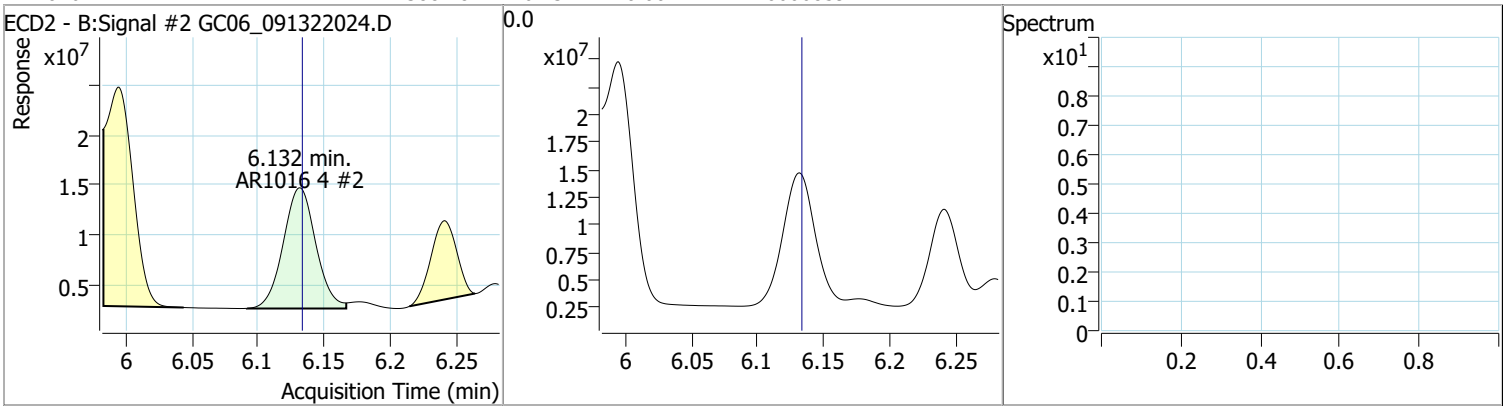
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AR1016 3 #2	1429.3377	6.00	0.00	32105528 (m)				



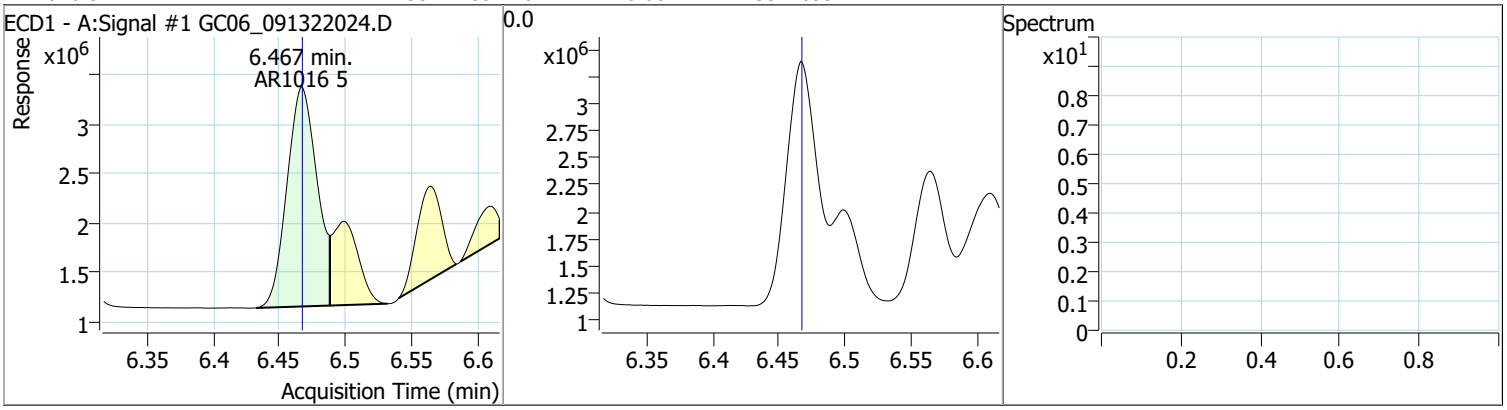
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1347.0552	6.04	0.00	4388598				



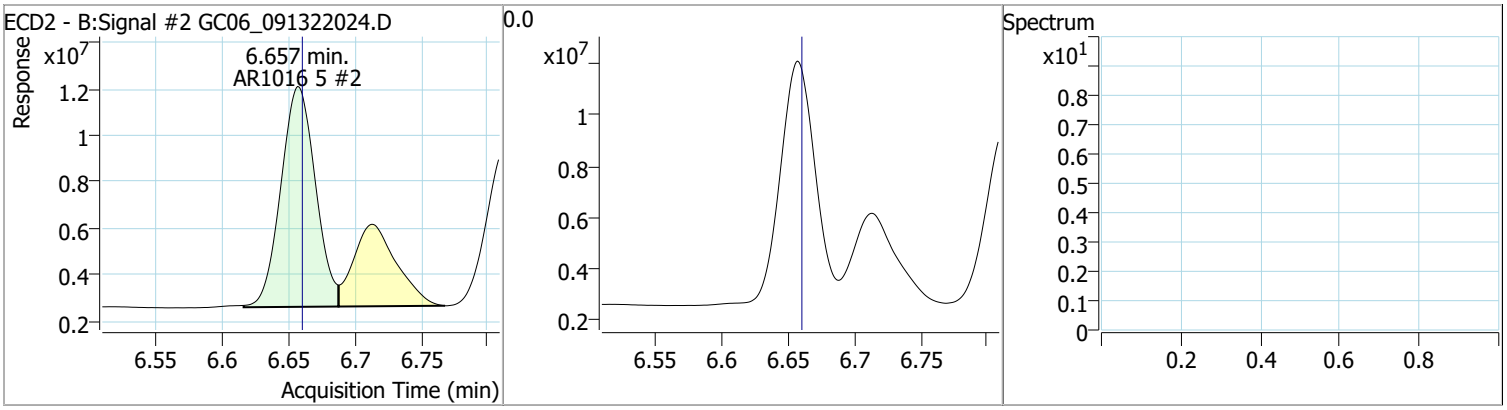
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AR1016 4 #2	1388.4811	6.13	0.00	20606859				



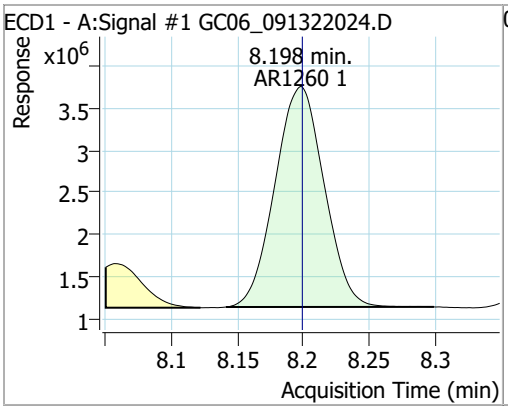
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AR1016 5	1352.1439	6.47	0.00	3522899				

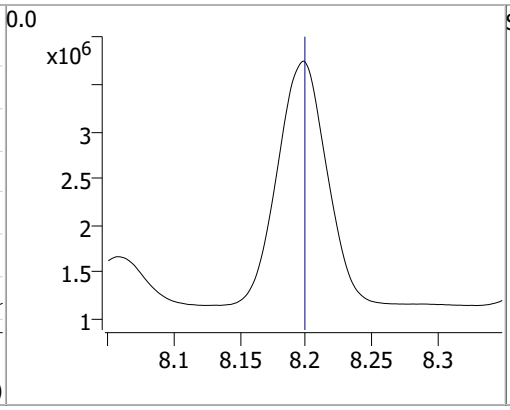


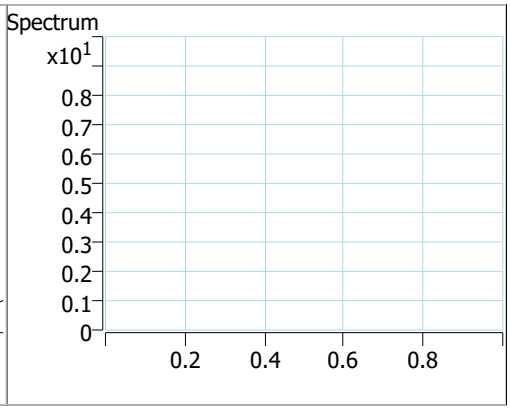
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AR1016 5 #2	1372.6745	6.66	0.00	17200758				



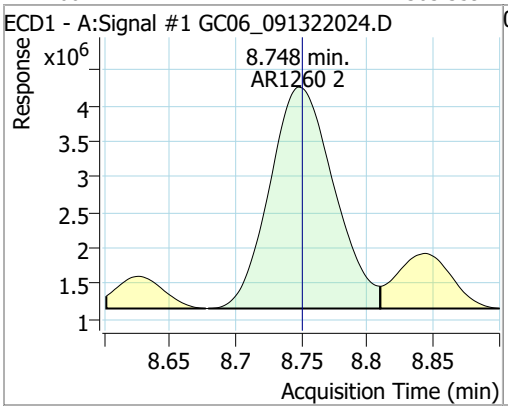
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1312.0460	8.20	0.00	6763520				

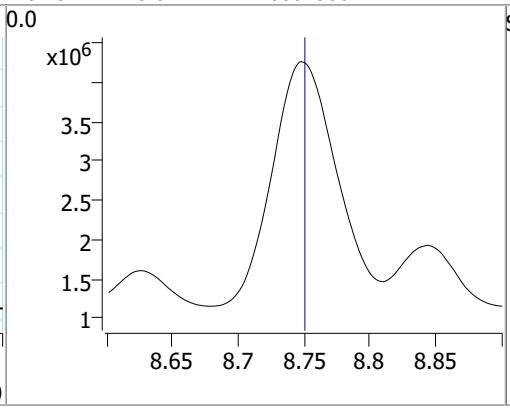


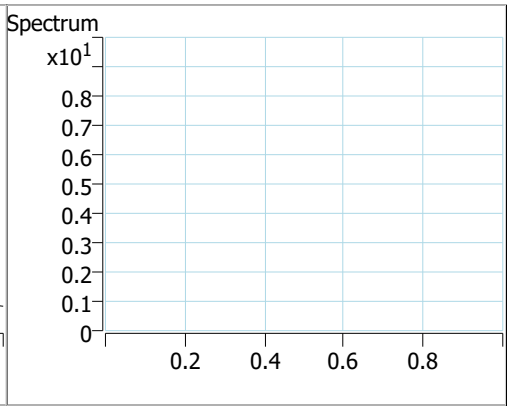




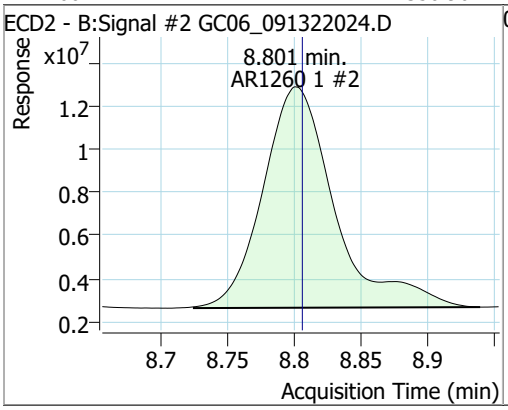
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1303.3591	8.75	-0.01	10601306				

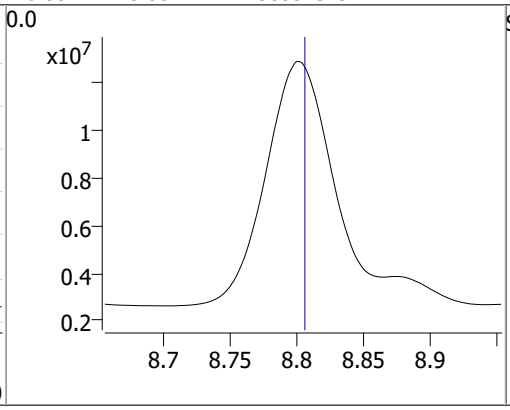


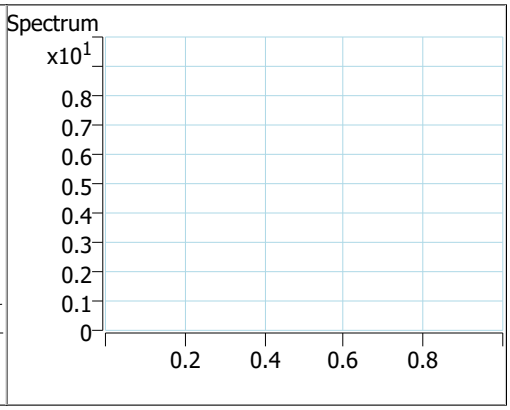




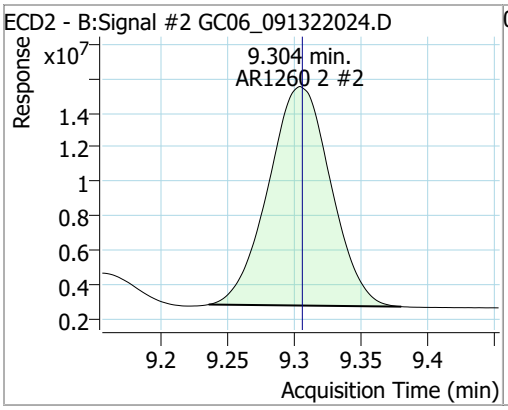
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1350.9612	8.80	0.00	38537329				

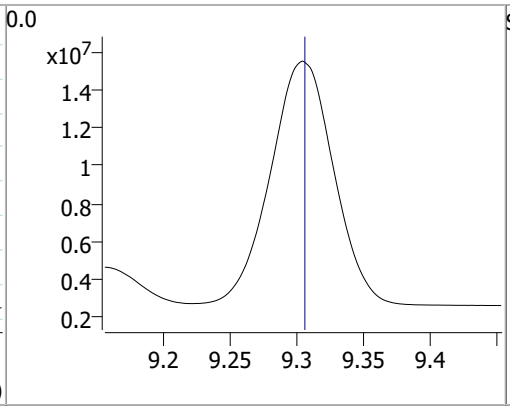


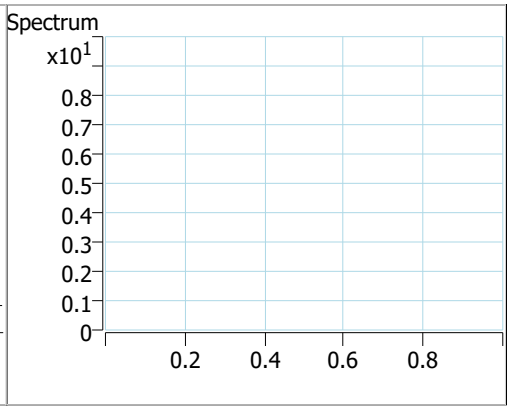




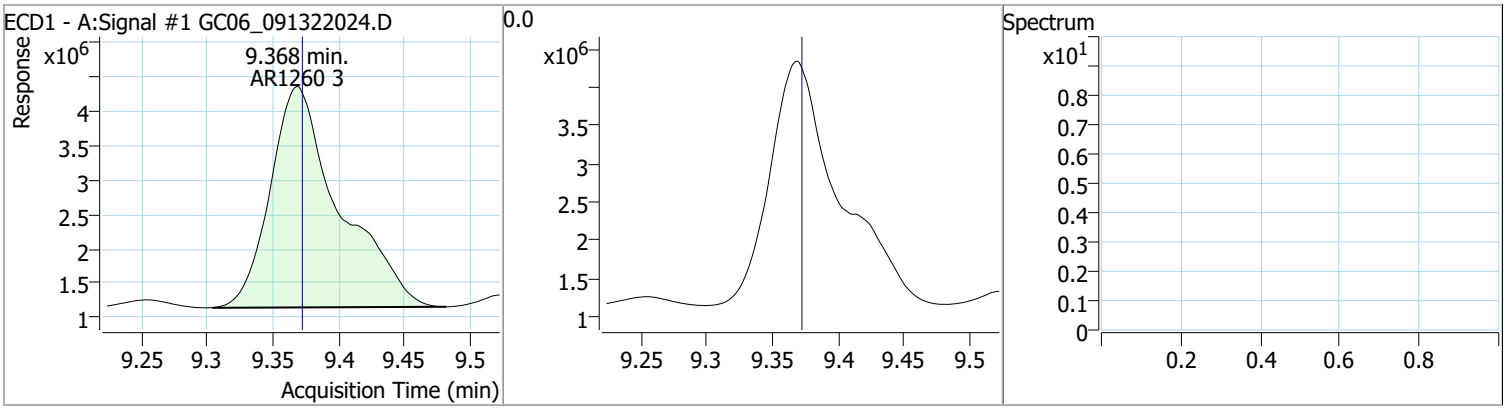
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1314.6810	9.30	0.00	42100894				



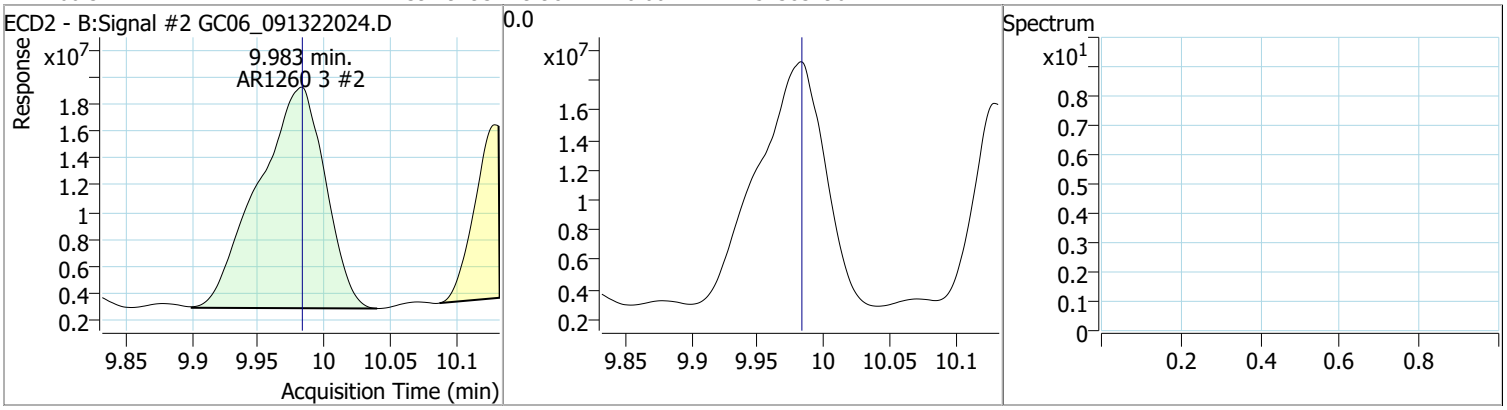




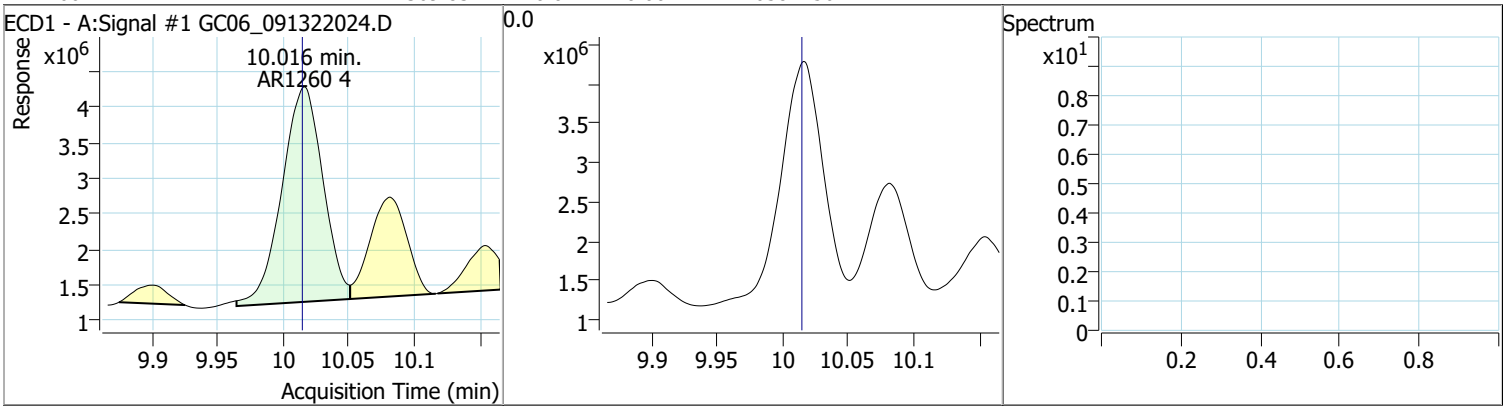
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1377.2180	9.37	-0.01	11728714				



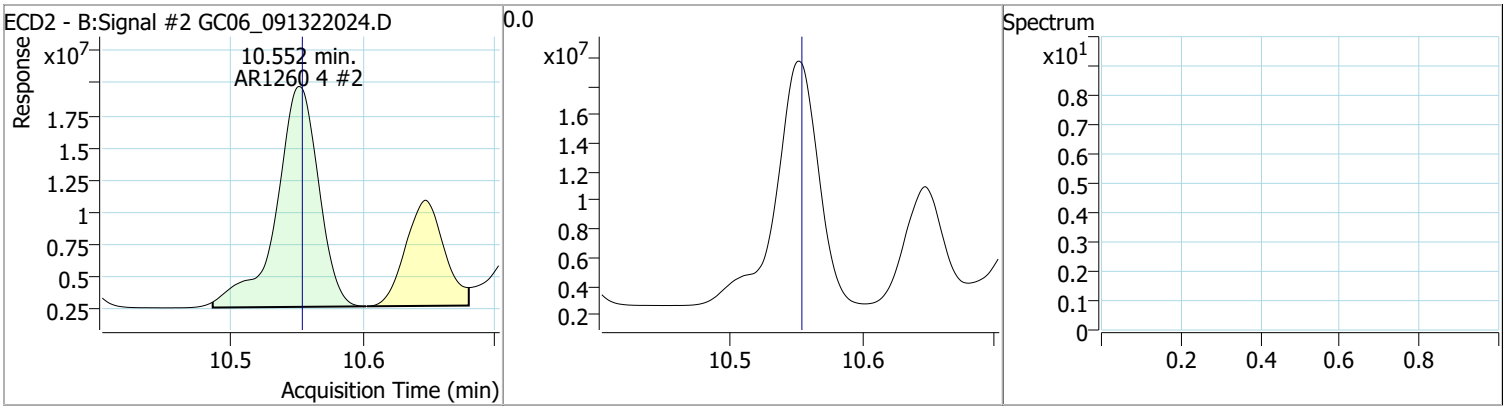
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1392.9493	9.98	0.00	57383496				



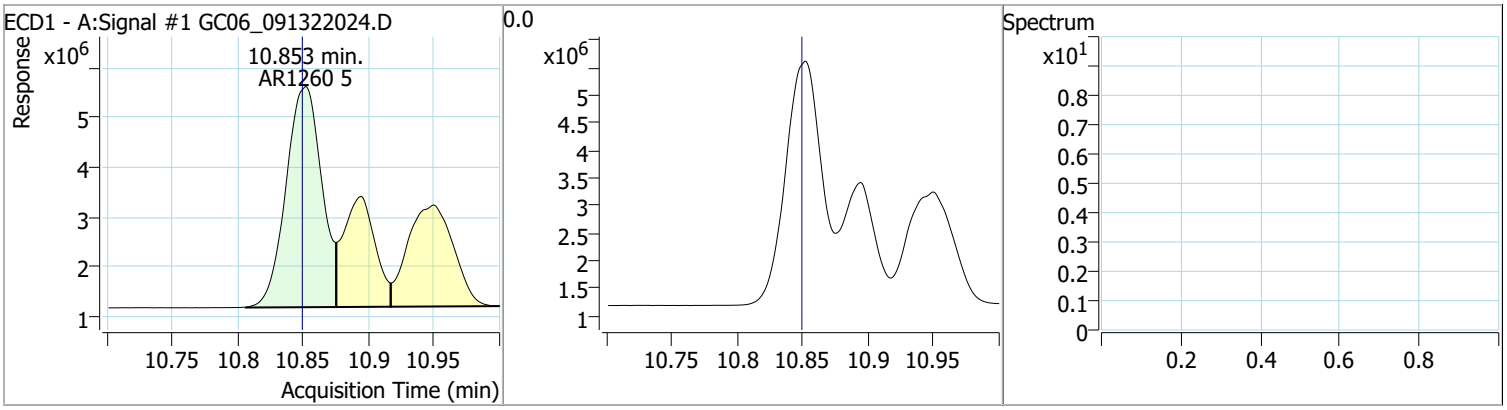
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1369.8344	10.02	0.00	6581156				



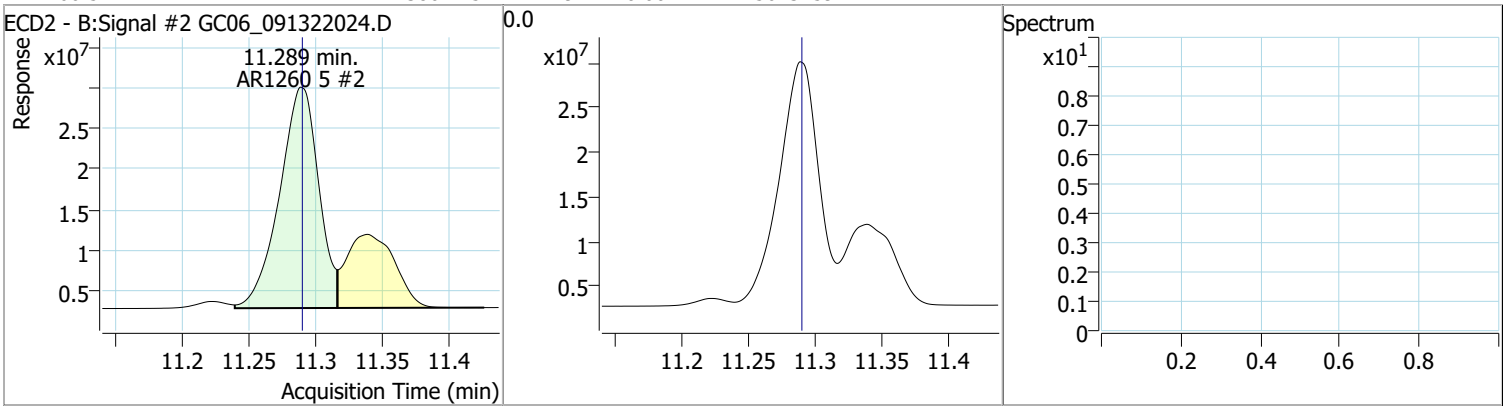
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1392.1393	10.55	0.00	37956405				



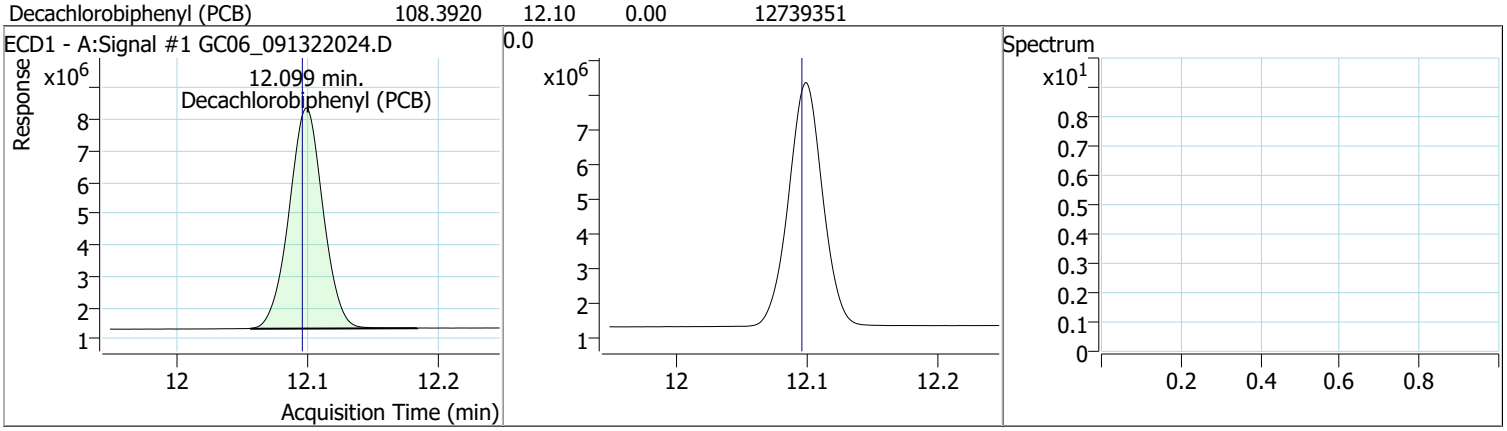
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1412.6994	10.85	0.00	8403296				



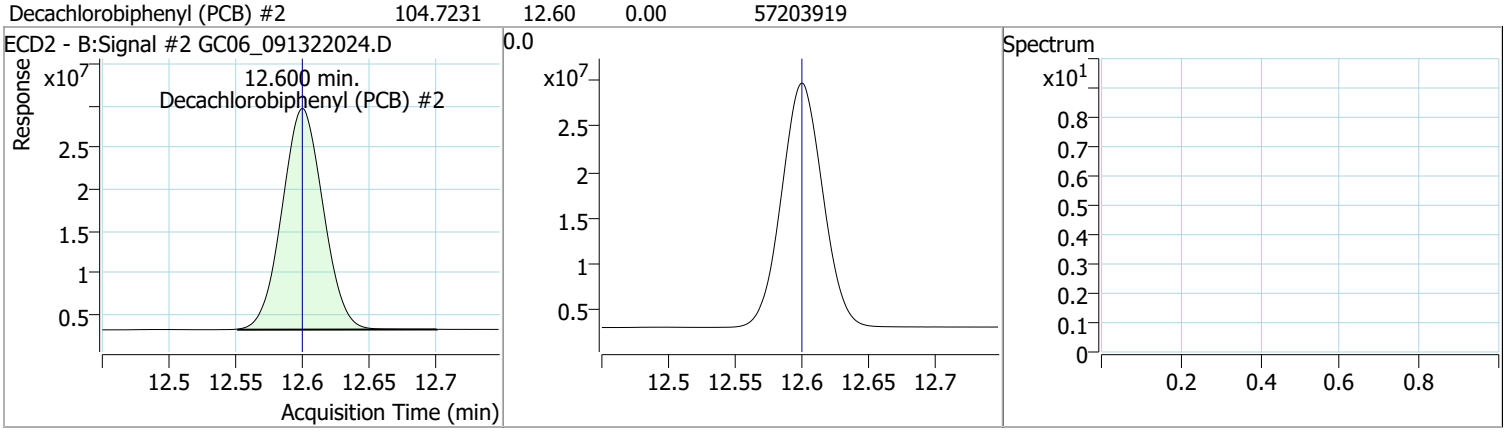
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1380.1452	11.29	0.00	56137594				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	108.3920	12.10	0.00	12739351				

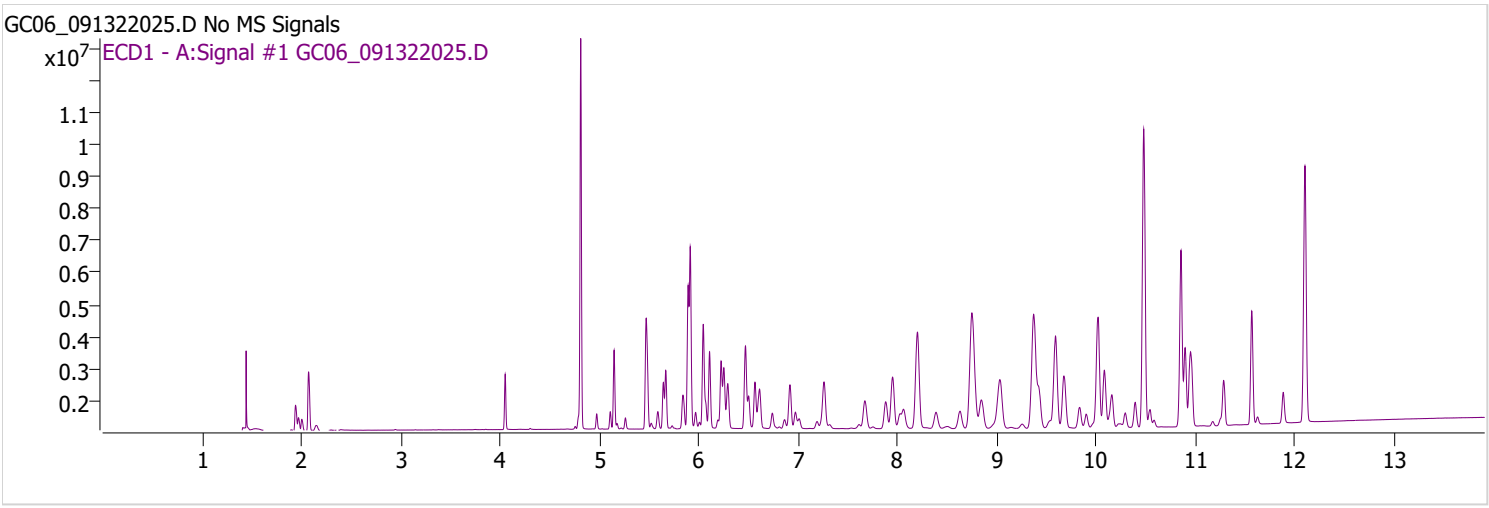


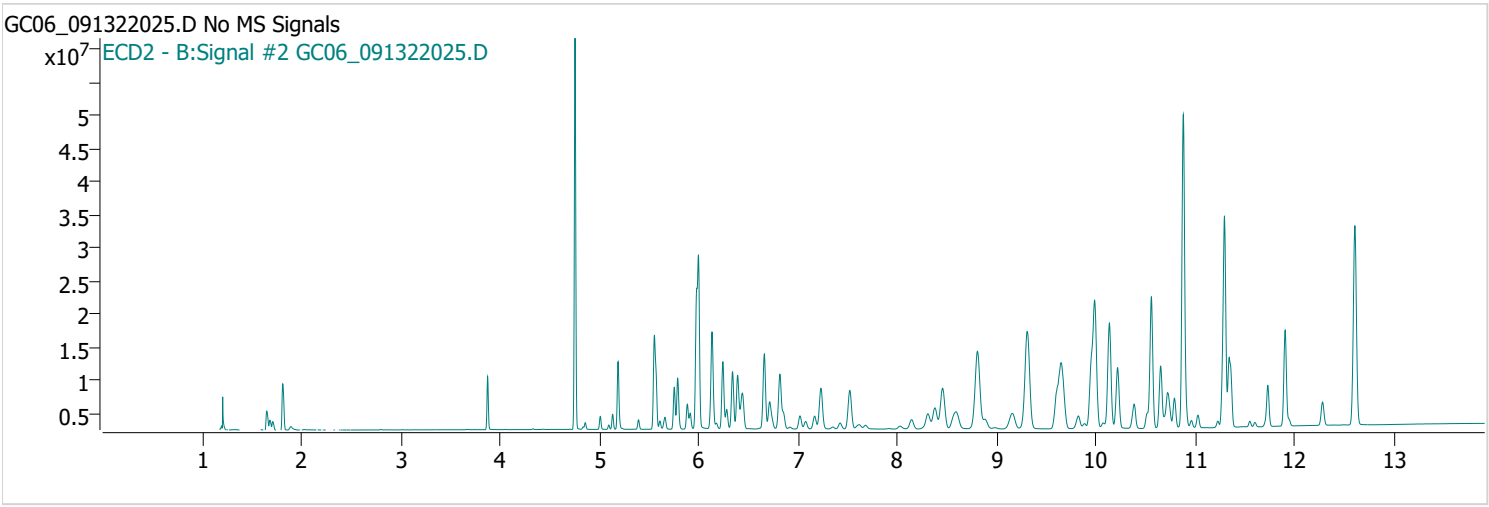
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	104.7231	12.60	0.00	57203919				



Quantitation Results Report (Not Reviewed)

Data File	GC06_091322025.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 2:58:36 AM
Sample Name	ICAL, S16585, 1	Instrument	SVOA-GC06
Vial	49	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



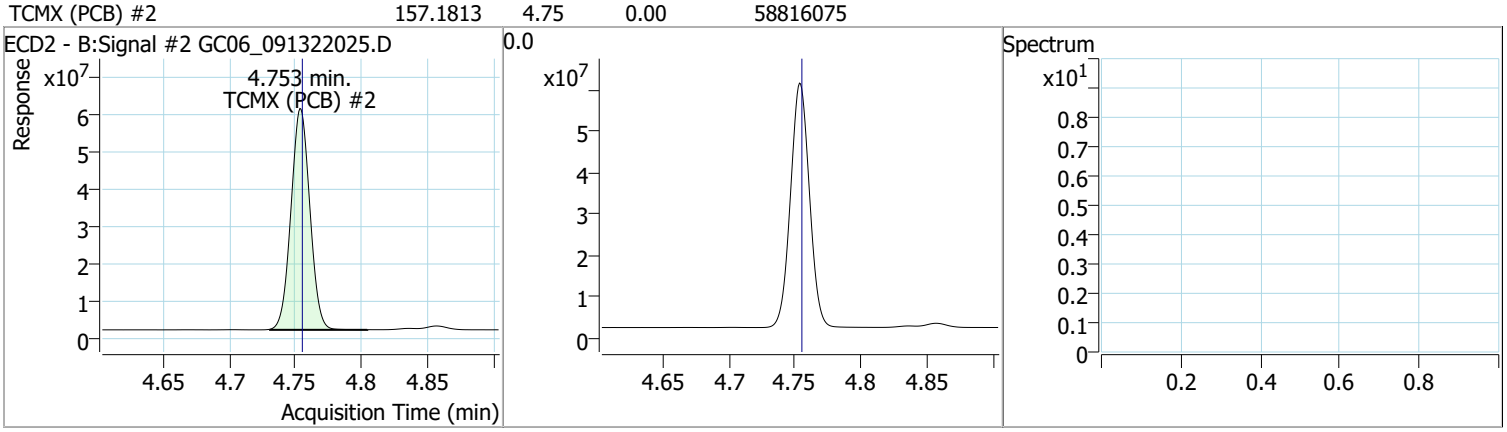


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	7643853.170	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.051	0.0	1631599.843	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB) #2	4.753	0.0	58816074.834	157.1813	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 785.91%		*	
S TCMX (PCB)	4.811	0.0	12189386.739	156.8428	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 784.21%		*	
S Decachlorobiphenyl (PCB)	12.098	0.0	14798821.498	135.2353	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 676.18%		*	
S Decachlorobiphenyl (PCB) #2	12.600	0.0	66361043.197	130.8785	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 654.39%		*	
Target Compounds							QValue

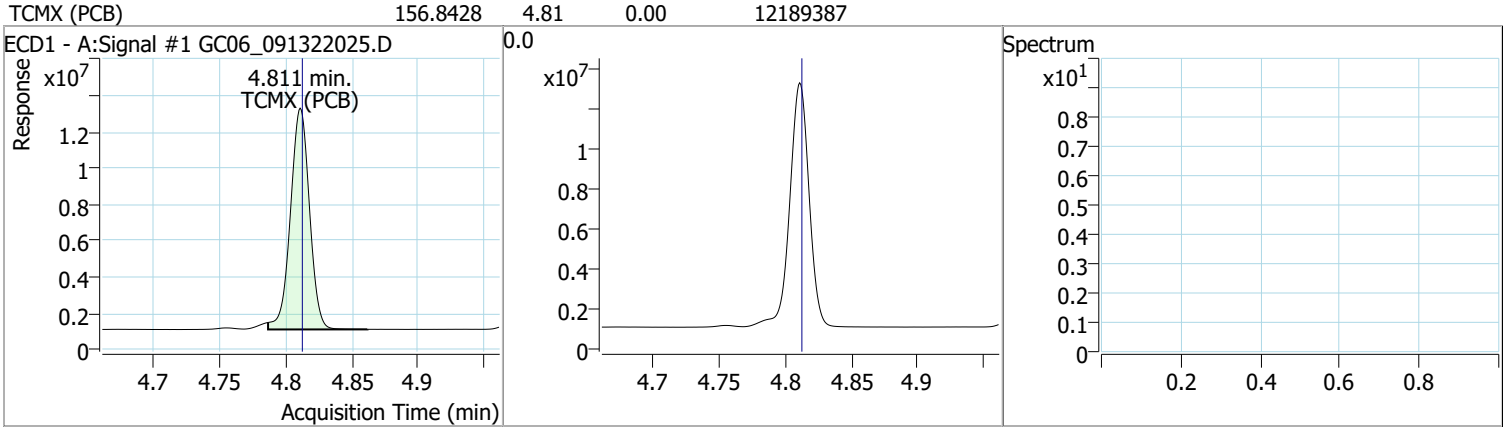
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.147	0.0	2692022.764	1683.0732	ng/ml		100
T AR1016 1 #2	5.187	0.0	12699753.441	1652.8118	ng/ml		100
T AR1016 2	5.470	0.0	5605268.284	1639.5367	ng/ml		100
T AR1016 2 #2	5.552	0.0	26621201.532	1661.1836	ng/ml		100
T AR1016 3	5.913	0.0	7261469.267	1801.8105	ng/ml		100
T AR1016 3 #2	5.995	0.0	35818884.089	1717.9290	ng/ml	m	100
T AR1016 4	6.044	0.0	5146522.602	1696.6273	ng/ml		100
T AR1016 4 #2	6.132	0.0	24174334.700	1754.7725	ng/ml		100
T AR1016 5	6.468	0.0	4122969.308	1699.5963	ng/ml		100
T AR1016 5 #2	6.658	0.0	20069750.443	1725.4409	ng/ml		100
T AR1260 1	8.199	0.0	7843097.071	1634.0934	ng/ml		100
T AR1260 2	8.747	0.0	12122817.595	1600.7417	ng/ml		100
T AR1260 1 #2	8.803	0.0	44254960.813	1671.3267	ng/ml		100
T AR1260 2 #2	9.303	0.0	49038942.956	1649.7127	ng/ml		100
T AR1260 3	9.368	0.0	13549621.875	1708.8048	ng/ml		100
T AR1260 3 #2	9.982	0.0	66348502.585	1735.0723	ng/ml		100
T AR1260 4	10.017	0.0	7505623.911	1677.8984	ng/ml		100
T AR1260 4 #2	10.553	0.0	43492567.580	1718.5051	ng/ml		100
T AR1260 5	10.851	0.0	9666637.450	1745.3741	ng/ml		100
T AR1260 5 #2	11.288	0.0	64498444.034	1708.2773	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

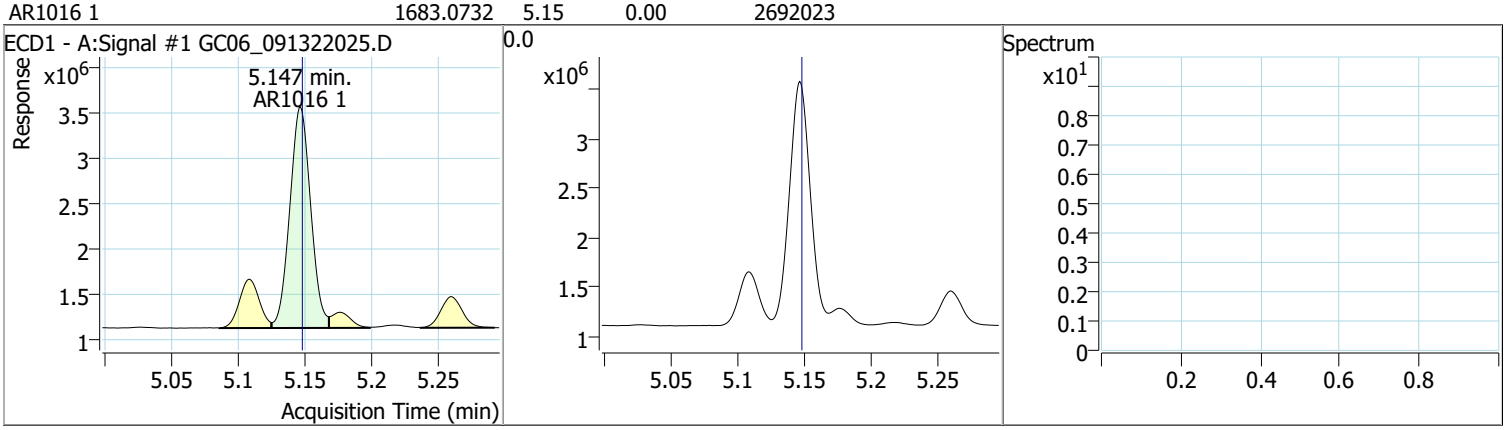
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	157.1813	4.75	0.00	58816075				



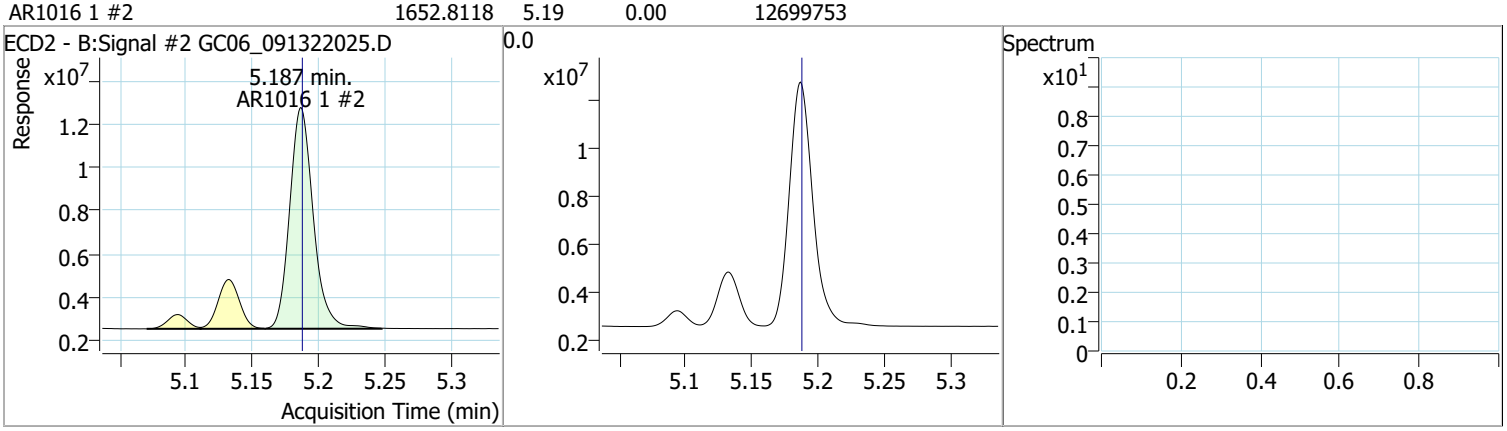
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	156.8428	4.81	0.00	12189387				



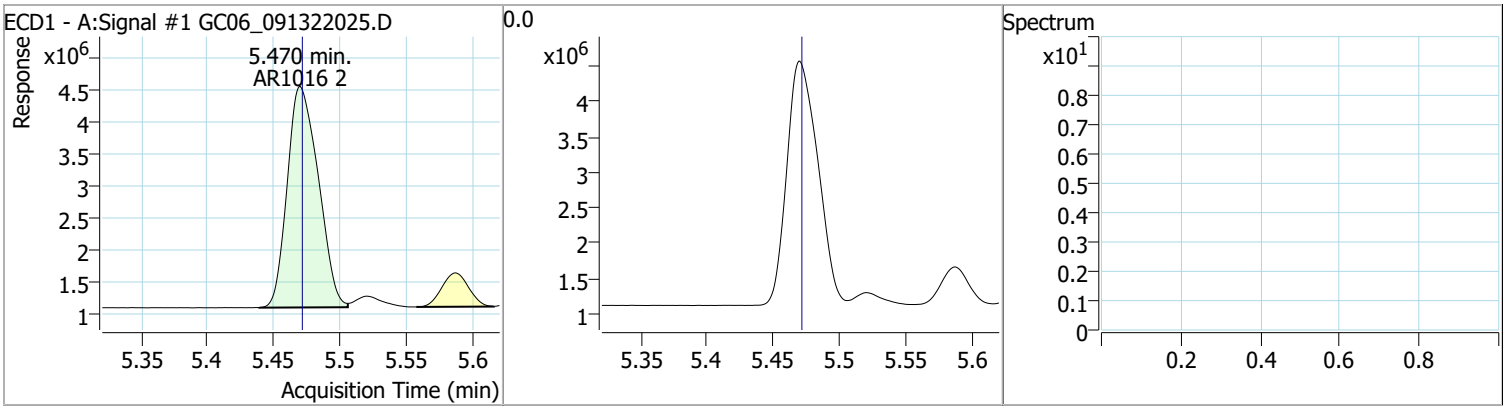
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1683.0732	5.15	0.00	2692023				



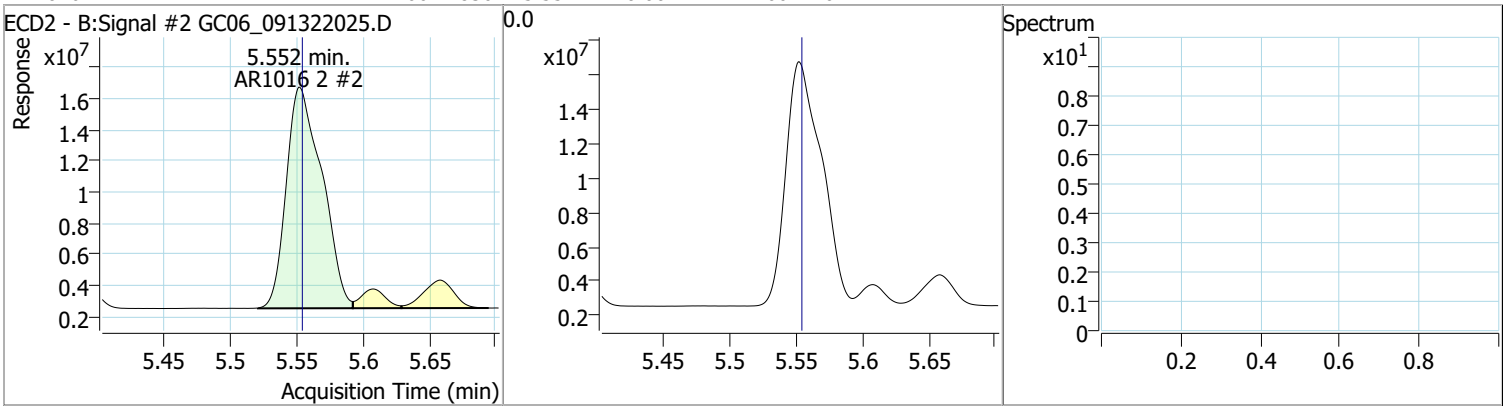
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1652.8118	5.19	0.00	12699753				



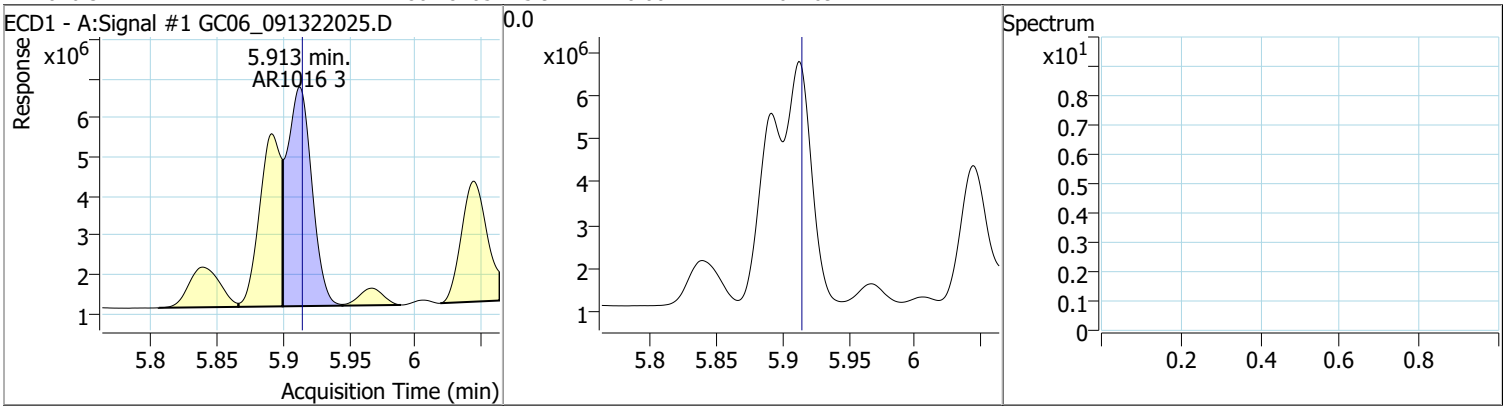
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1639.5367	5.47	0.00	5605268				



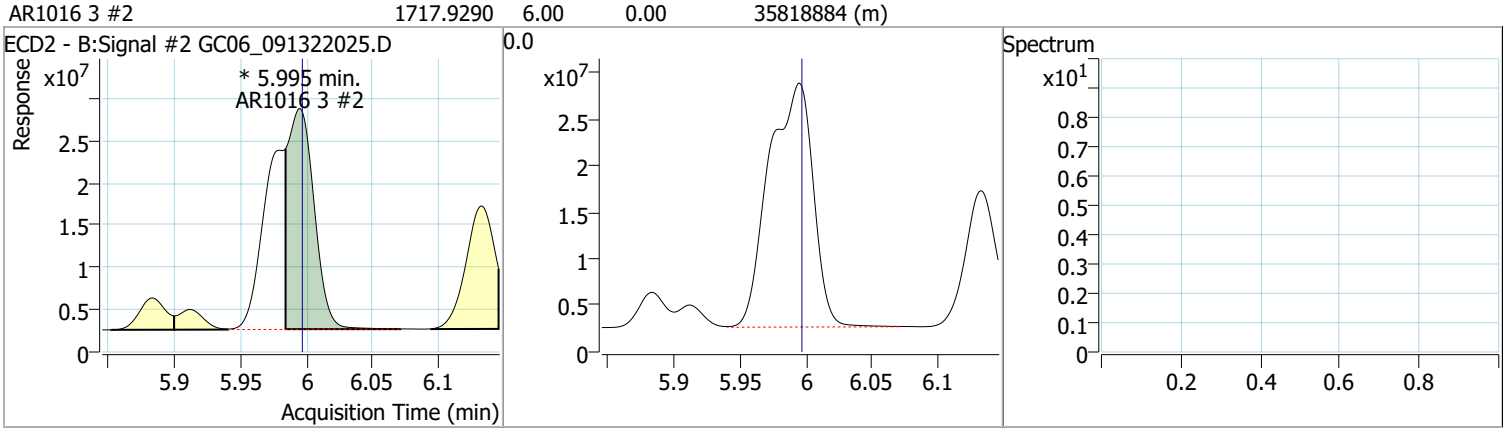
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1661.1836	5.55	0.00	26621202				



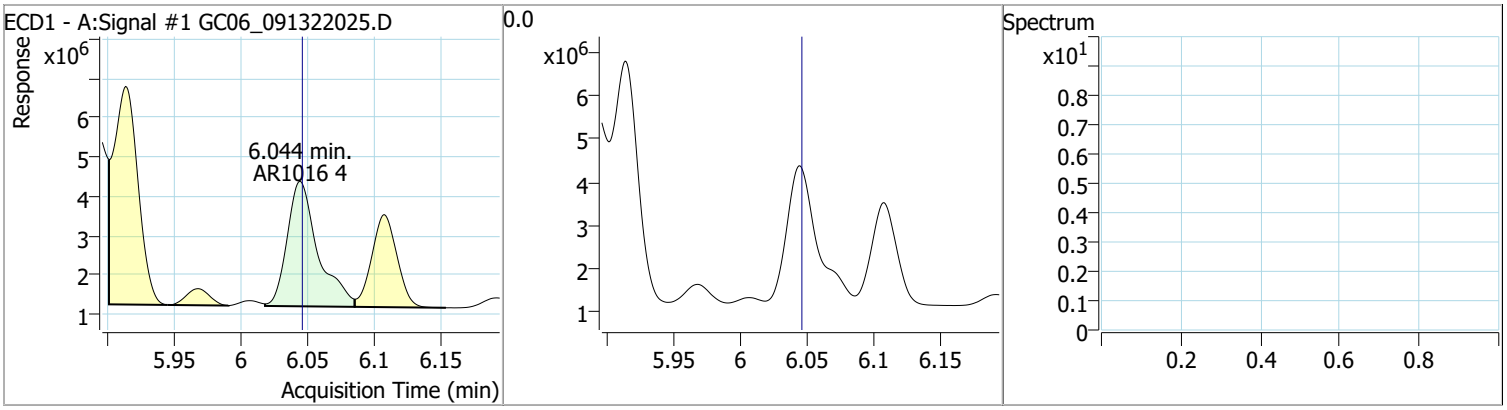
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1801.8105	5.91	0.00	7261469				



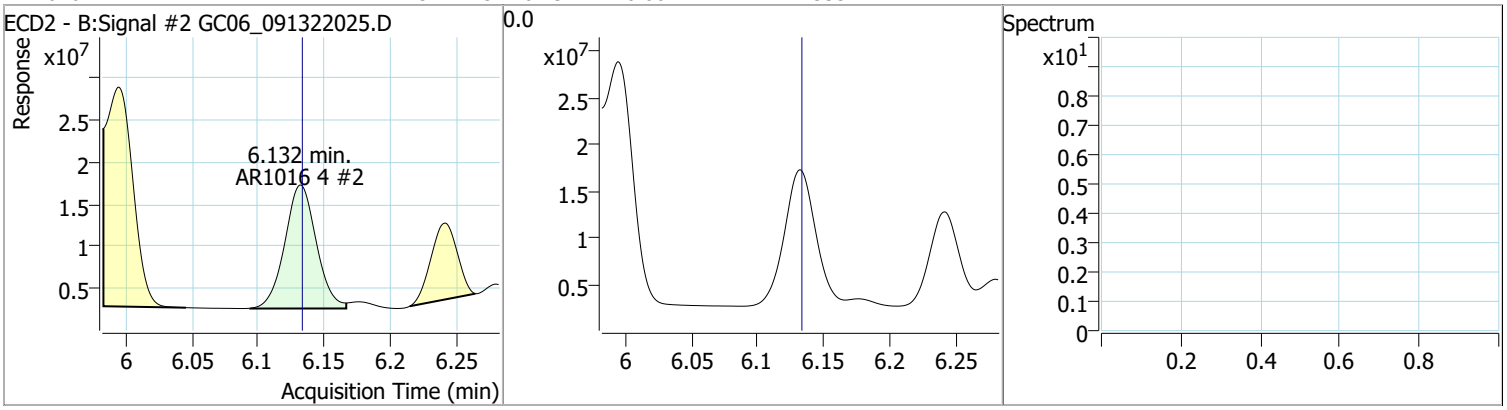
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1717.9290	6.00	0.00	35818884 (m)				



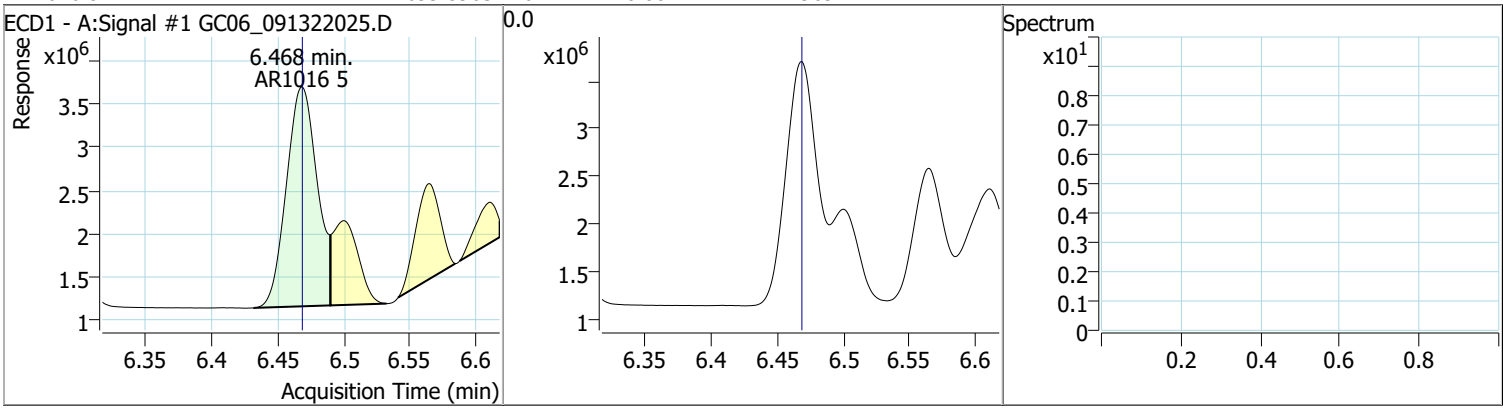
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1696.6273	6.04	0.00	5146523				



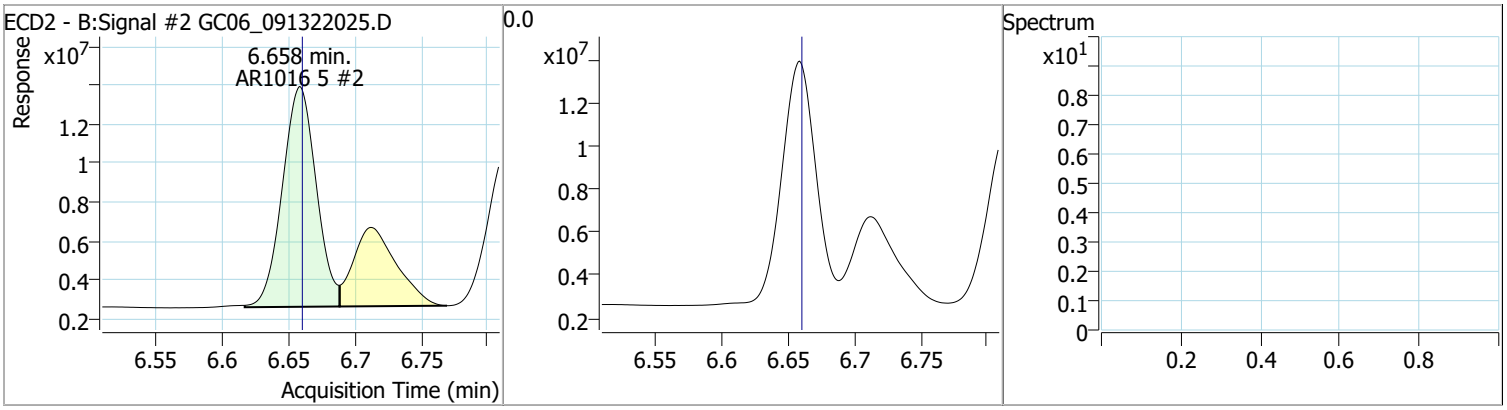
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1754.7725	6.13	0.00	24174335				



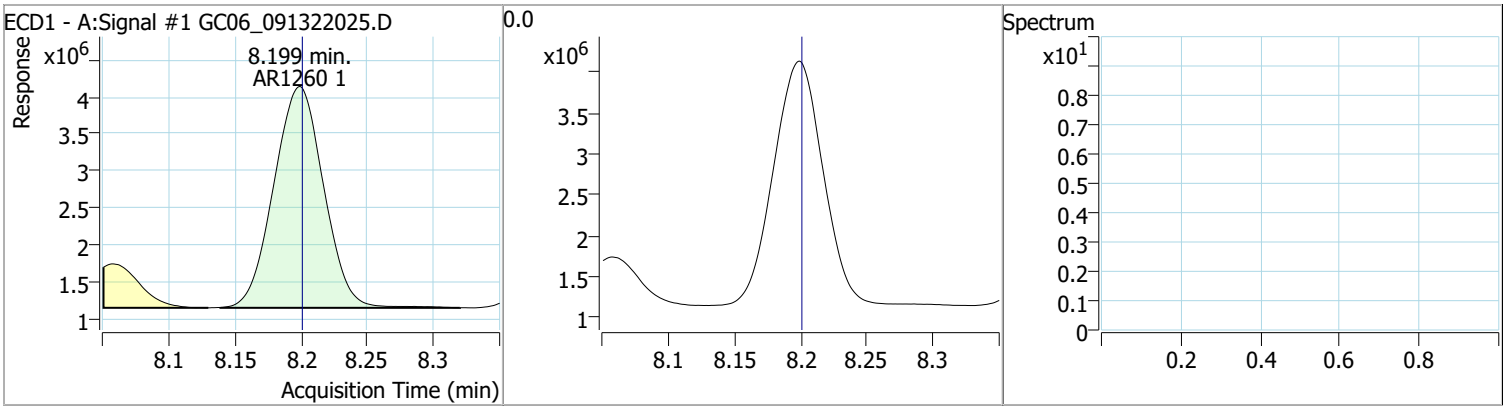
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1699.5963	6.47	0.00	4122969				



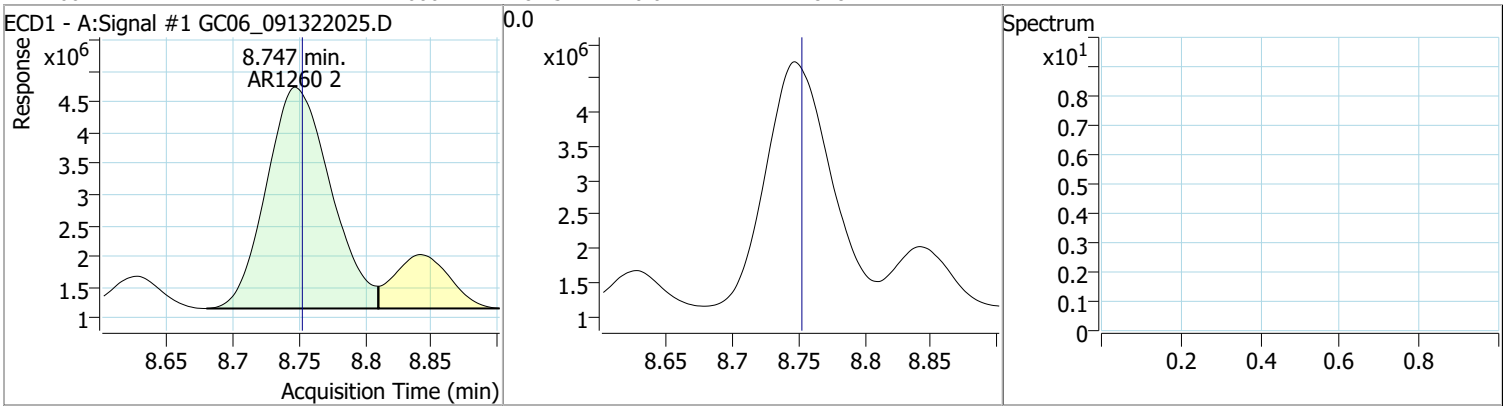
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1725.4409	6.66	0.00	20069750				



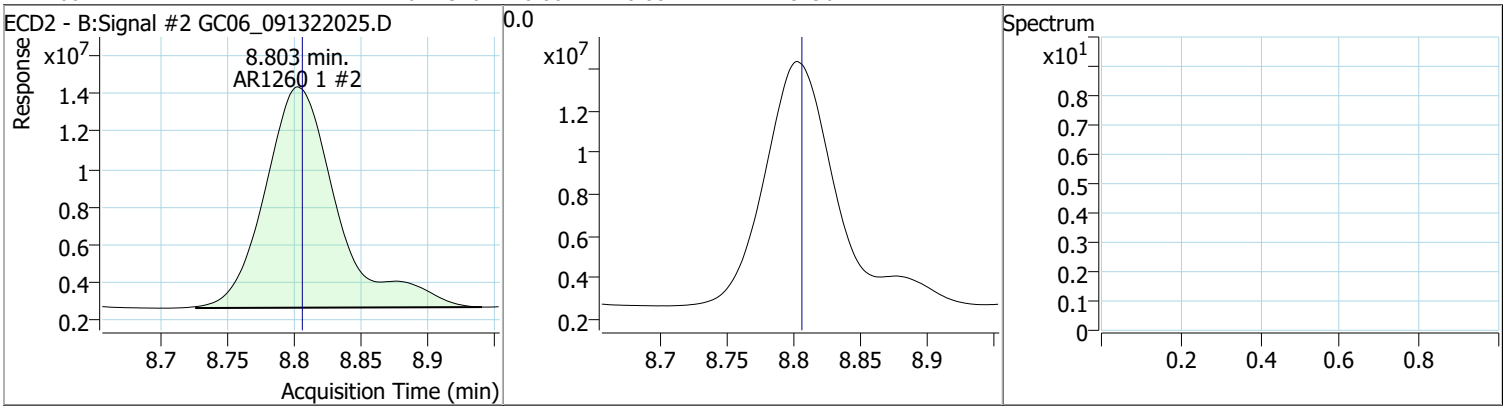
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1634.0934	8.20	0.00	7843097				



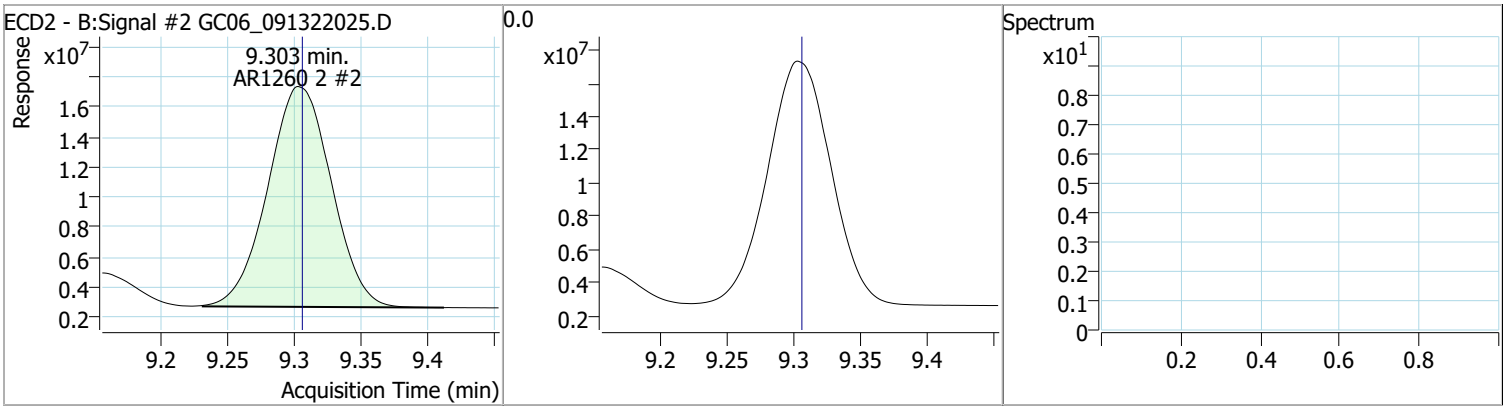
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1600.7417	8.75	-0.01	12122818				



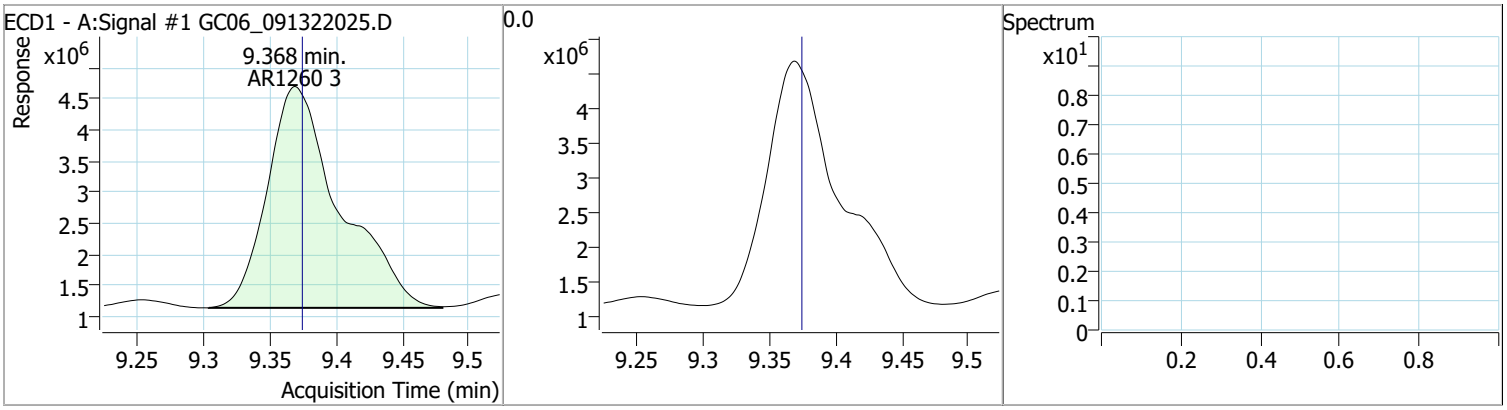
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1671.3267	8.80	0.00	44254961				



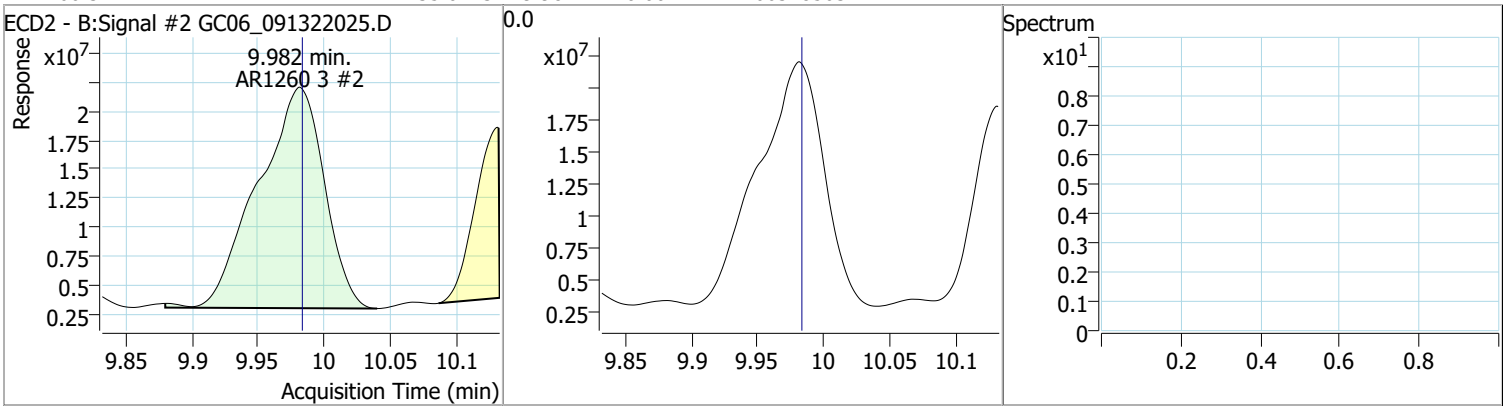
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1649.7127	9.30	0.00	49038943				



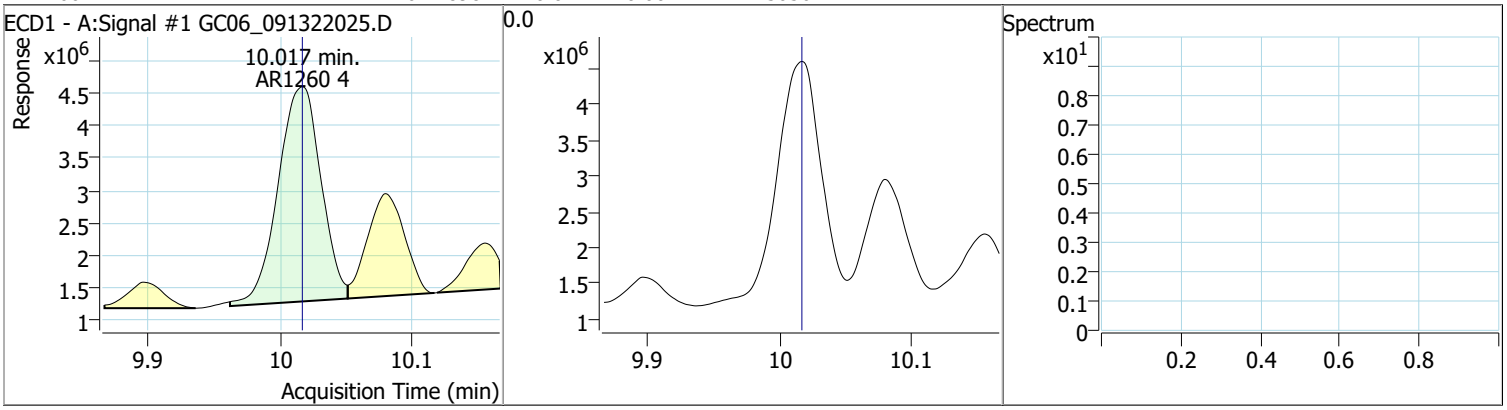
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1708.8048	9.37	-0.01	13549622				



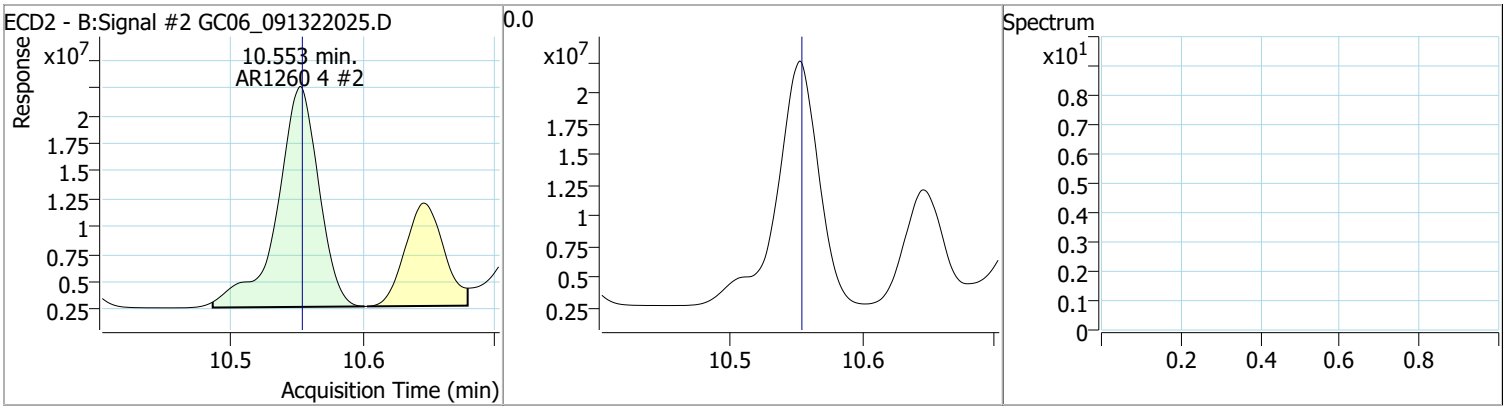
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1735.0723	9.98	0.00	66348503				



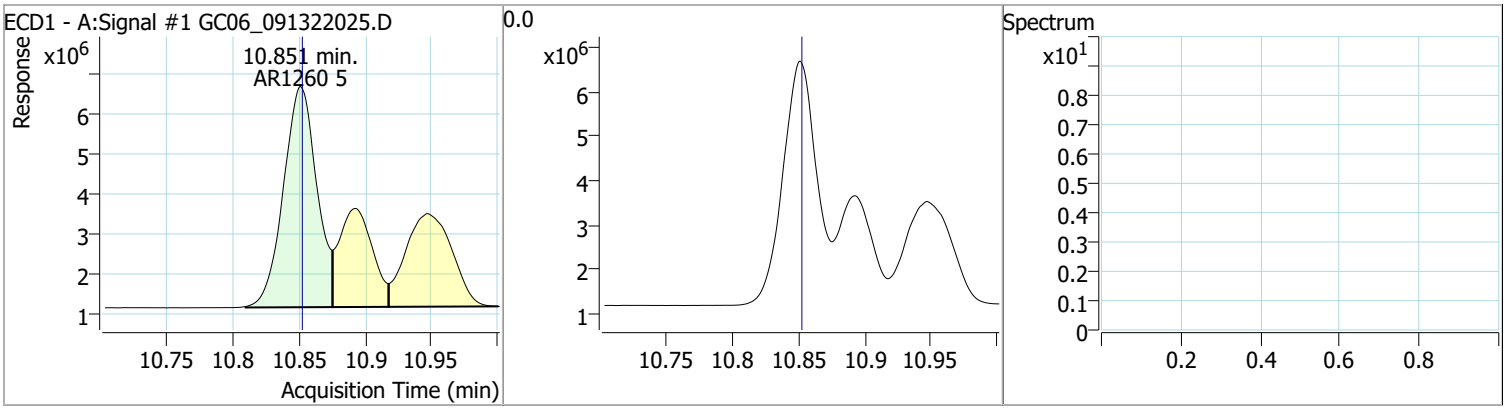
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1677.8984	10.02	0.00	7505624				



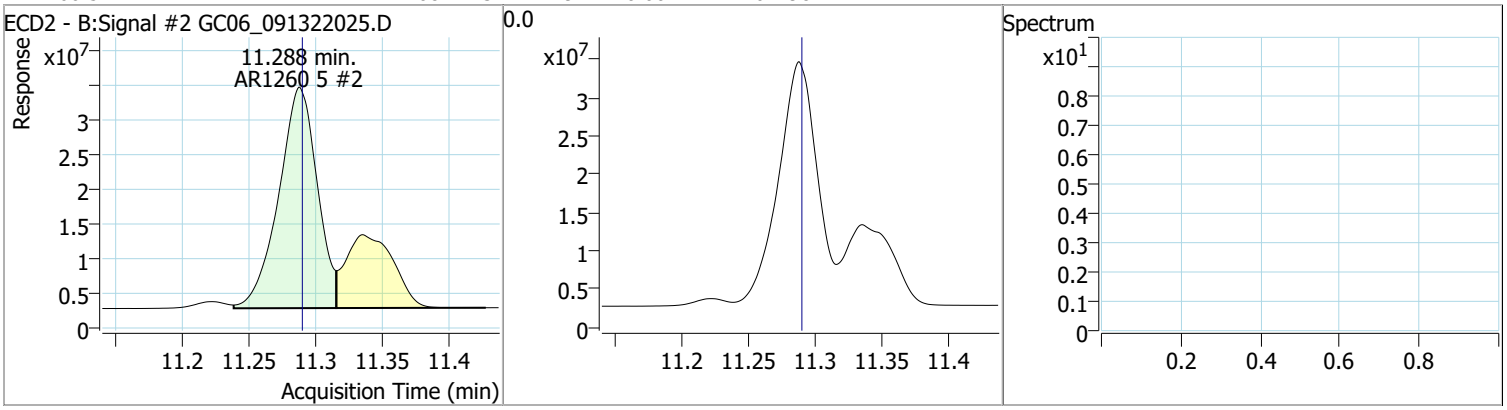
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1718.5051	10.55	0.00	43492568				



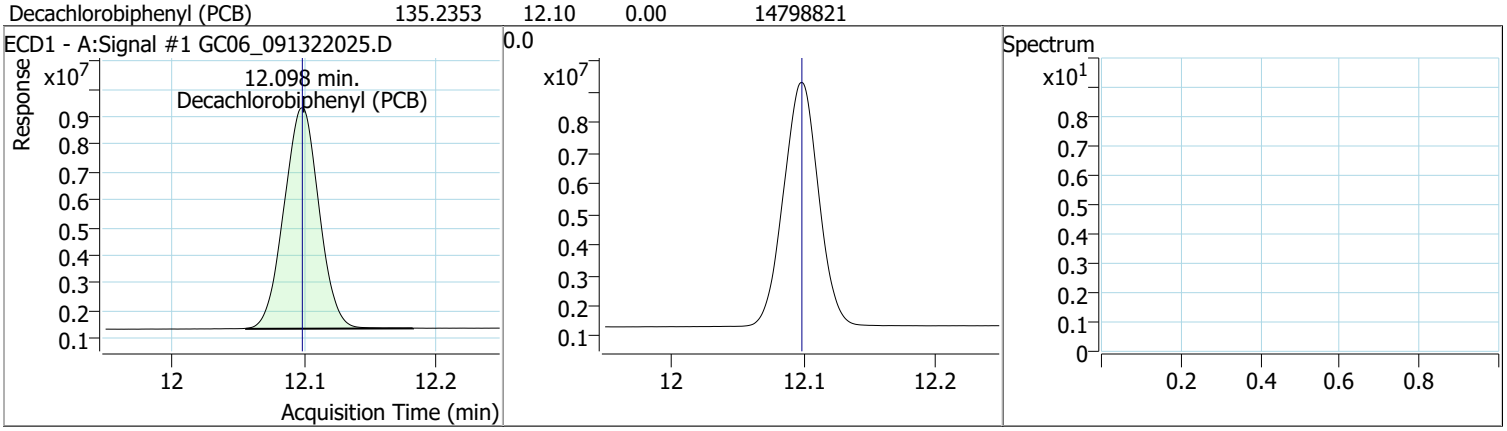
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1745.3741	10.85	0.00	9666637				



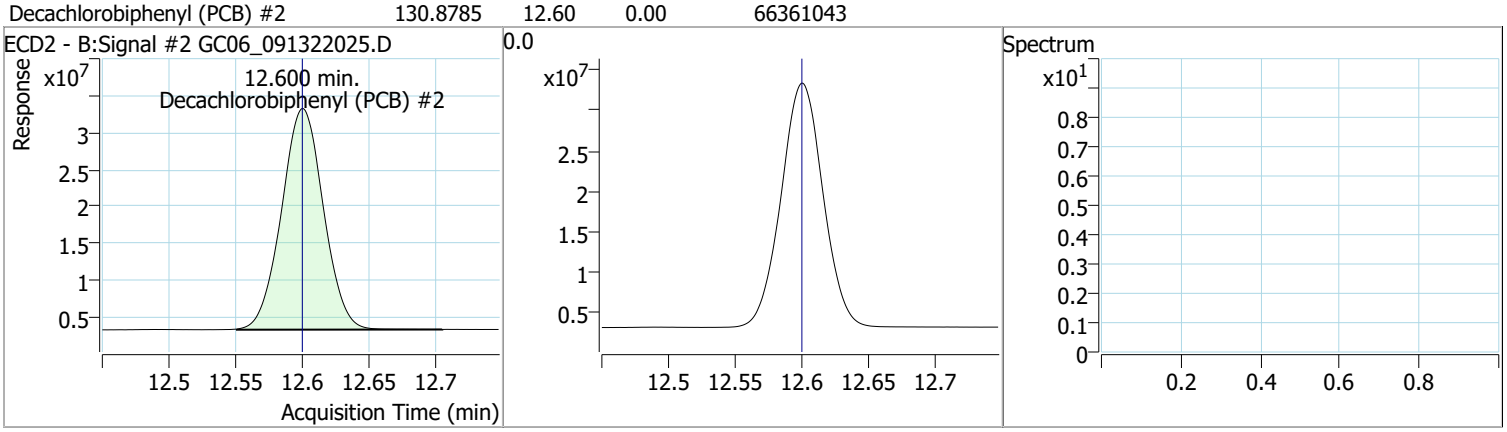
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1708.2773	11.29	0.00	64498444				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	135.2353	12.10	0.00	14798821				

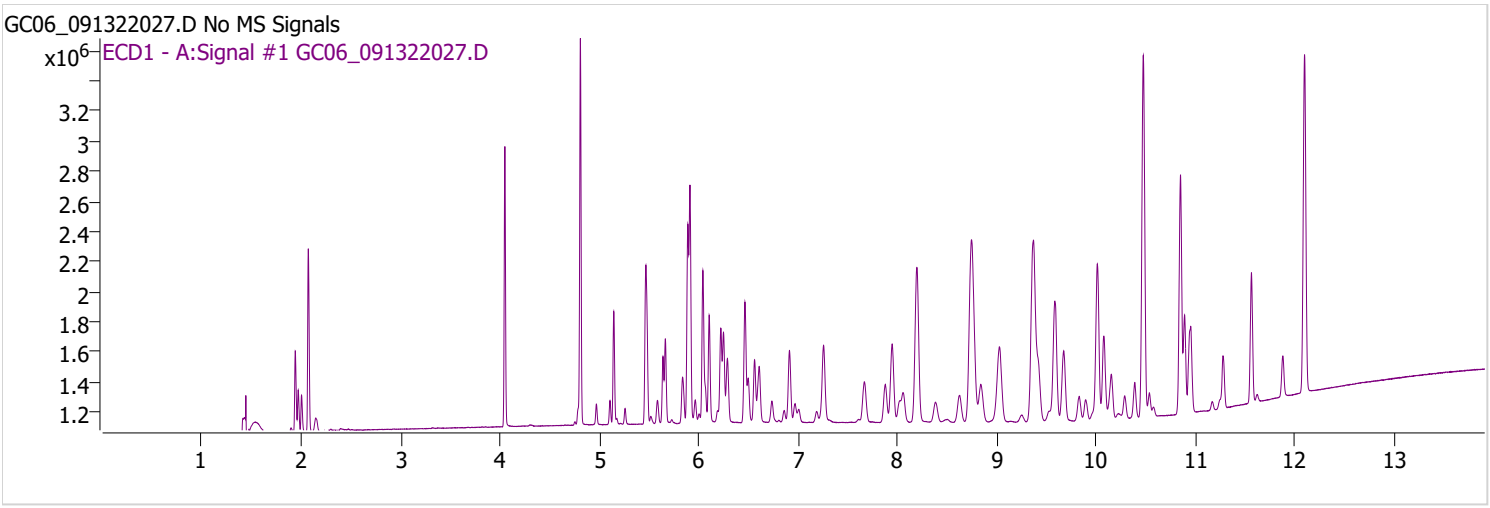


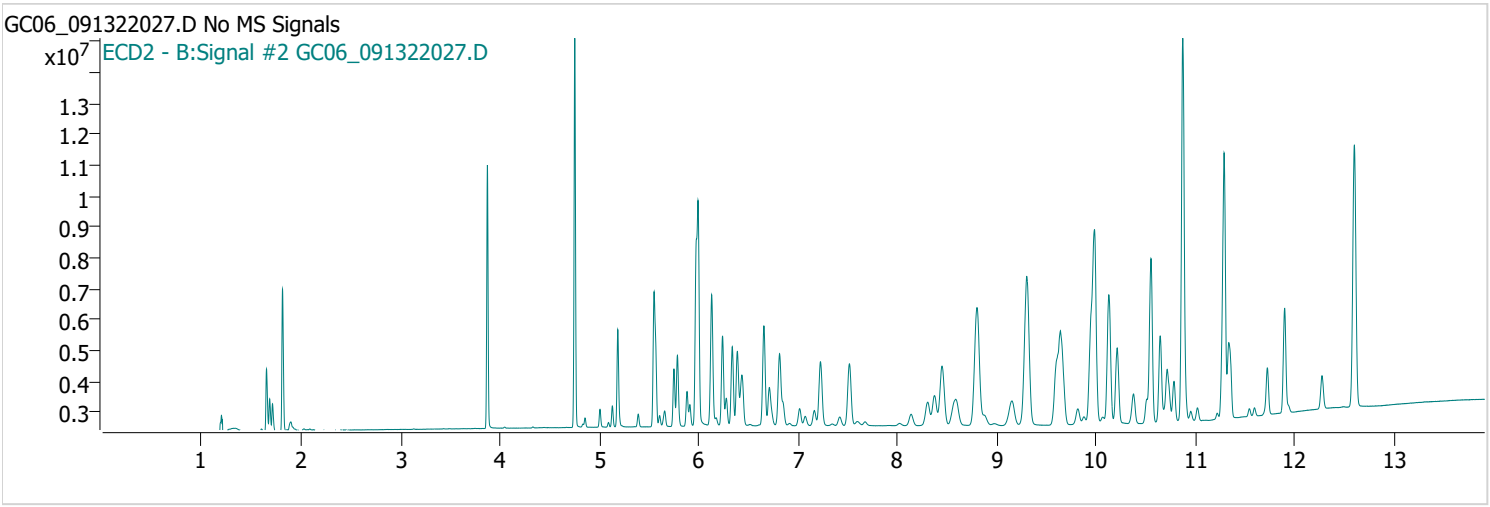
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	130.8785	12.60	0.00	66361043				



Quantitation Results Report (Not Reviewed)

Data File	GC06_091322027.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	9/14/2022 3:33:20 AM
Sample Name	ICV, S16736	Instrument	SVOA-GC06
Vial	50	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	091322_PCB.batch.bin	Last Calib Update	9/14/2022 2:07:22 PM
Ref Library			



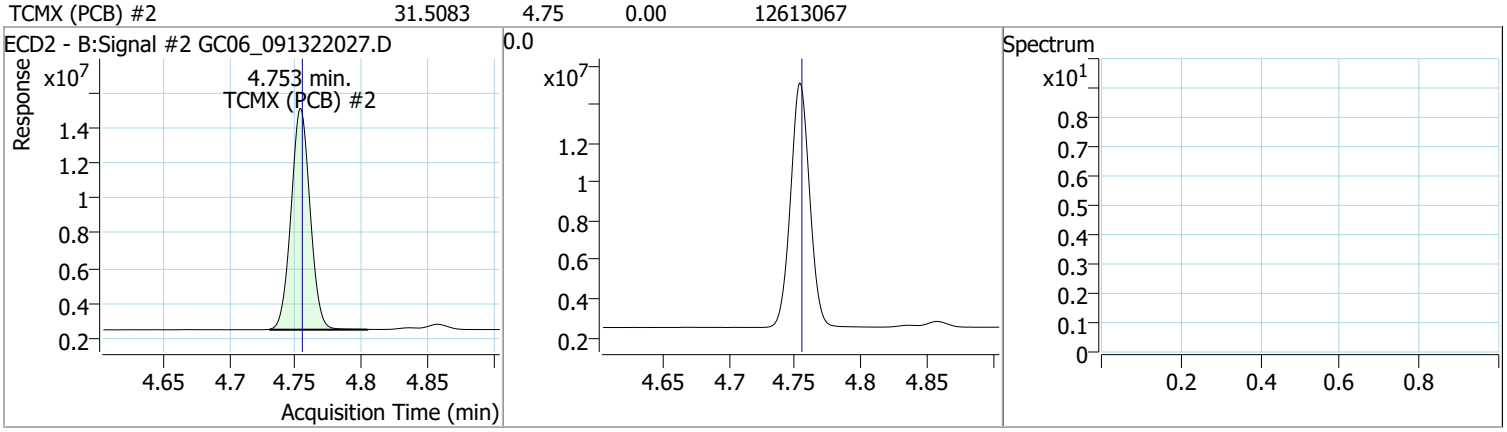


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.874	0.0	8177362.318	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.050	0.0	1712846.456	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB) #2	4.753	0.0	12613066.686	31.5083	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.54%		*	
S TCMX (PCB)	4.810	0.0	2606553.912	31.9481	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.74%		*	
S Decachlorobiphenyl (PCB)	12.100	0.0	4155868.512	36.1760	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.88%		*	
S Decachlorobiphenyl (PCB) #2	12.601	0.0	18671827.279	34.4224	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.11%		*	
Target Compounds							QValue

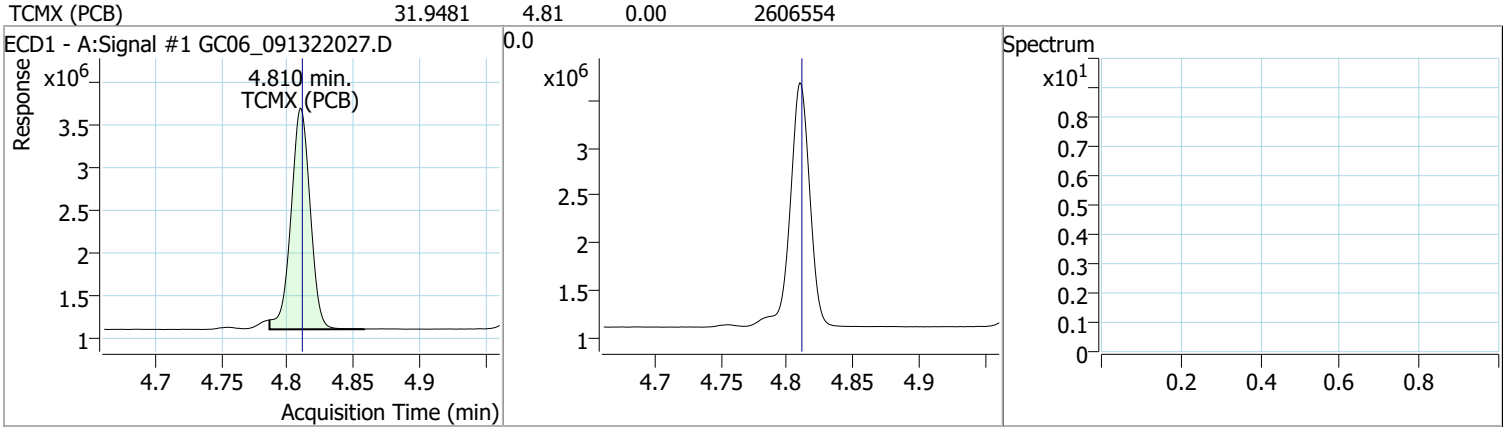
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.147	0.0	835744.962	497.7294	ng/ml		100
T AR1016 1 #2	5.187	0.0	3843297.559	467.5534	ng/ml		100
T AR1016 2	5.470	0.0	1755874.913	489.2305	ng/ml		100
T AR1016 2 #2	5.553	0.0	8106940.559	472.8747	ng/ml		100
T AR1016 3	5.913	0.0	2033105.528	480.5513	ng/ml		100
T AR1016 3 #2	5.994	0.0	10728054.171	480.9647	ng/ml	m	100
T AR1016 4	6.043	0.0	1495109.825	469.5057	ng/ml		100
T AR1016 4 #2	6.132	0.0	7047878.619	478.2157	ng/ml	m	100
T AR1016 5	6.467	0.0	1233230.822	484.2563	ng/ml		100
T AR1016 5 #2	6.658	0.0	5827477.467	468.3147	ng/ml		100
T AR1260 1	8.198	0.0	2642364.058	524.4175	ng/ml		100
T AR1260 2	8.747	0.0	4163633.984	523.7035	ng/ml		100
T AR1260 1 #2	8.803	0.0	13904437.850	490.8535	ng/ml	m	100
T AR1260 2 #2	9.303	0.0	15472948.387	486.5633	ng/ml		100
T AR1260 3	9.372	0.0	4592438.997	551.7012	ng/ml		100
T AR1260 3 #2	9.986	0.0	21517566.548	525.9915	ng/ml		100
T AR1260 4	10.014	0.0	2172191.790	462.5644	ng/ml		100
T AR1260 4 #2	10.554	0.0	12275769.292	453.4022	ng/ml		100
T AR1260 5	10.852	0.0	2869211.421	493.4815	ng/ml		100
T AR1260 5 #2	11.290	0.0	17802178.269	440.7389	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

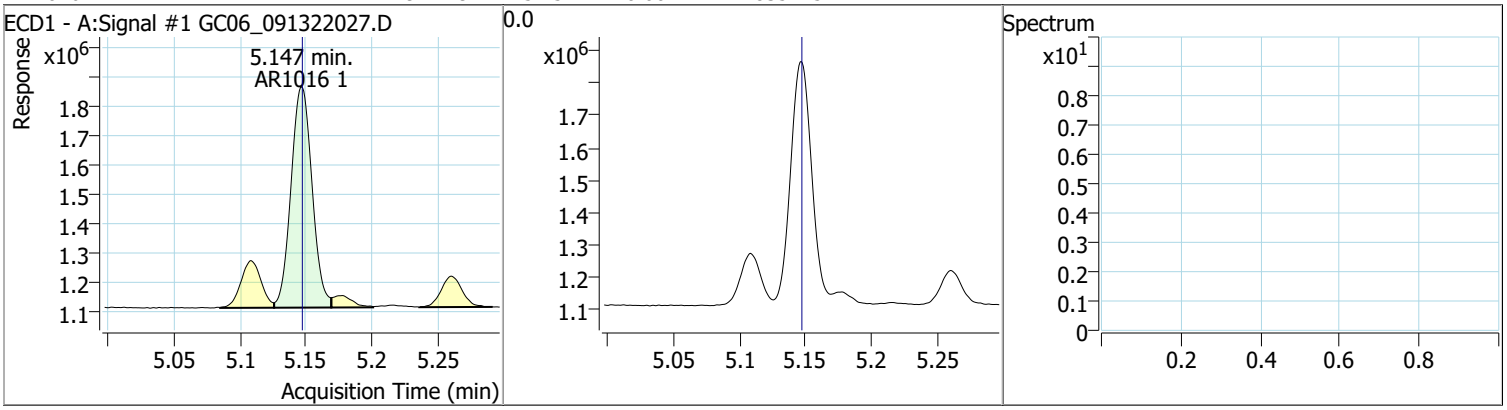
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.5083	4.75	0.00	12613067				



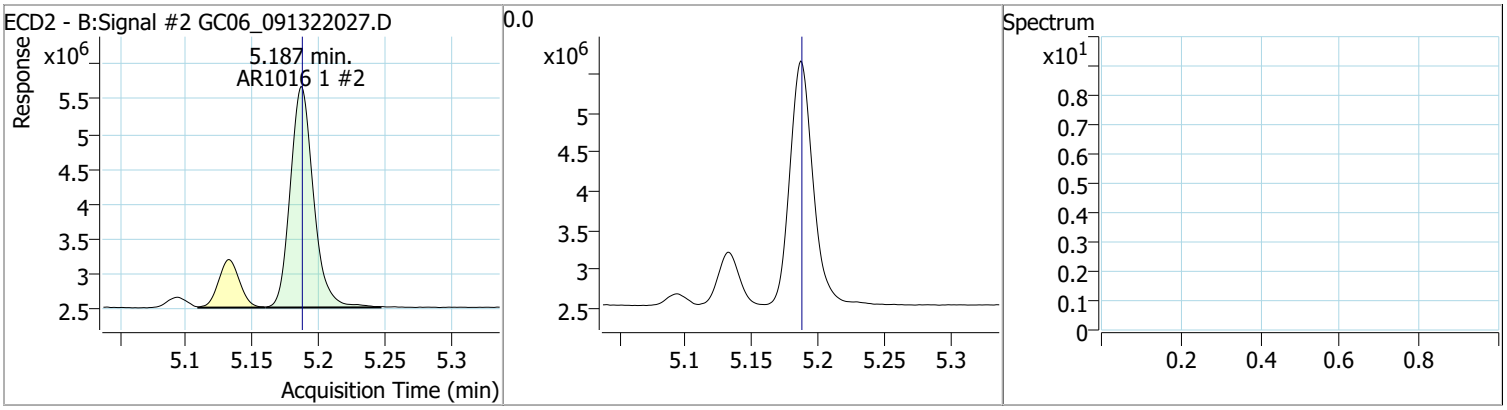
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.9481	4.81	0.00	2606554				



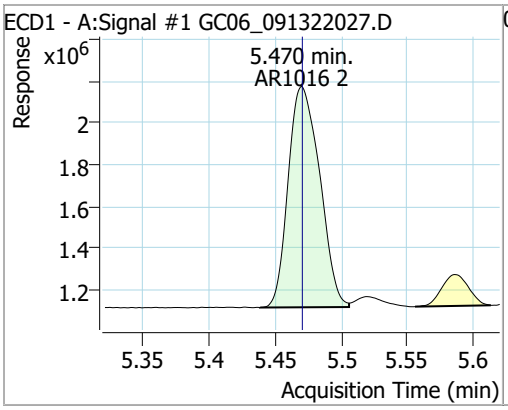
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	497.7294	5.15	0.00	835745				

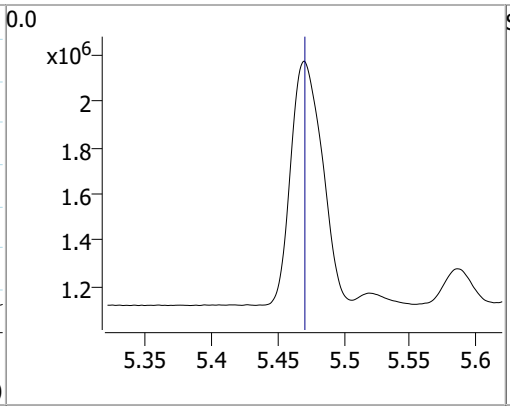


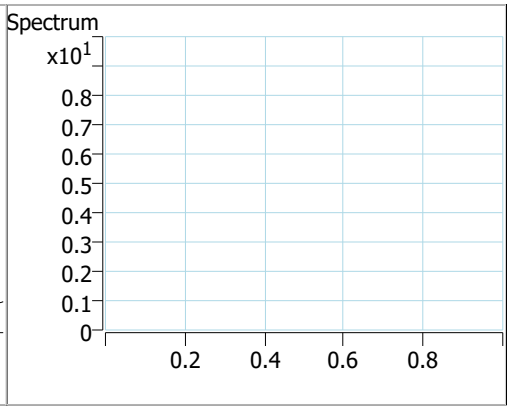
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	467.5534	5.19	0.00	3843298				



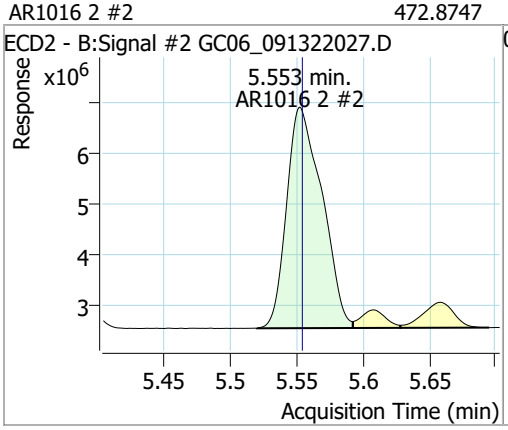
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	489.2305	5.47	0.00	1755875				

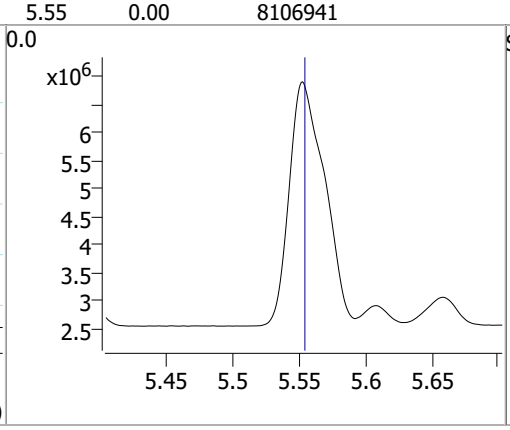


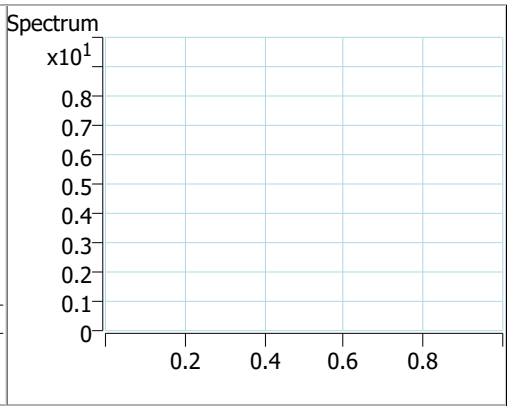




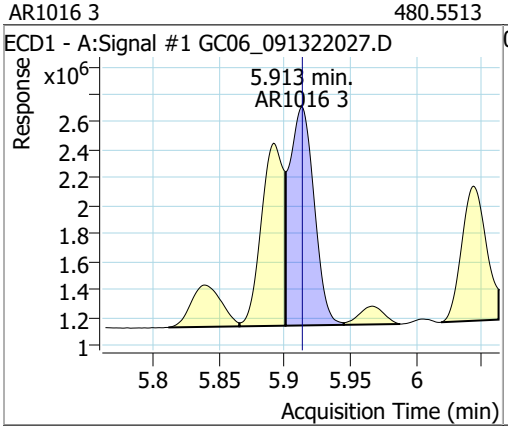
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	472.8747	5.55	0.00	8106941				

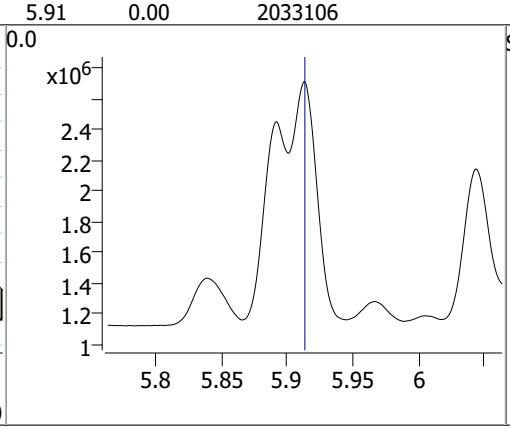


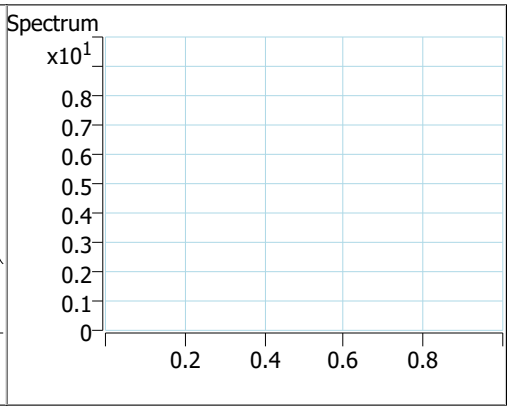




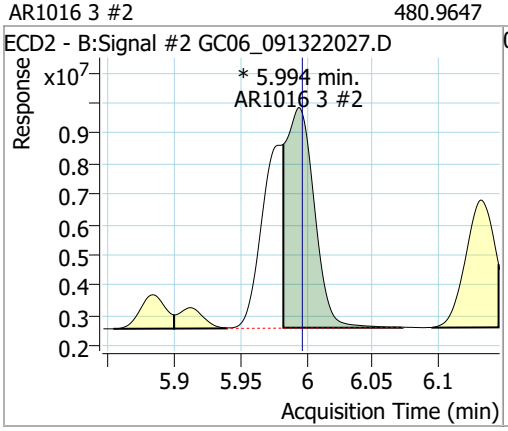
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	480.5513	5.91	0.00	2033106				

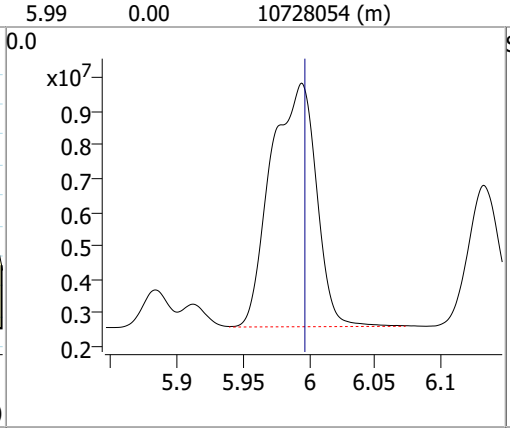


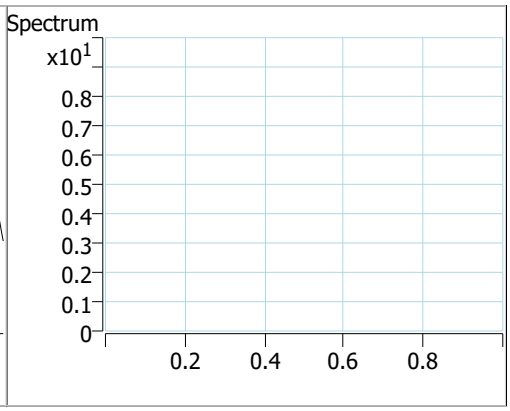




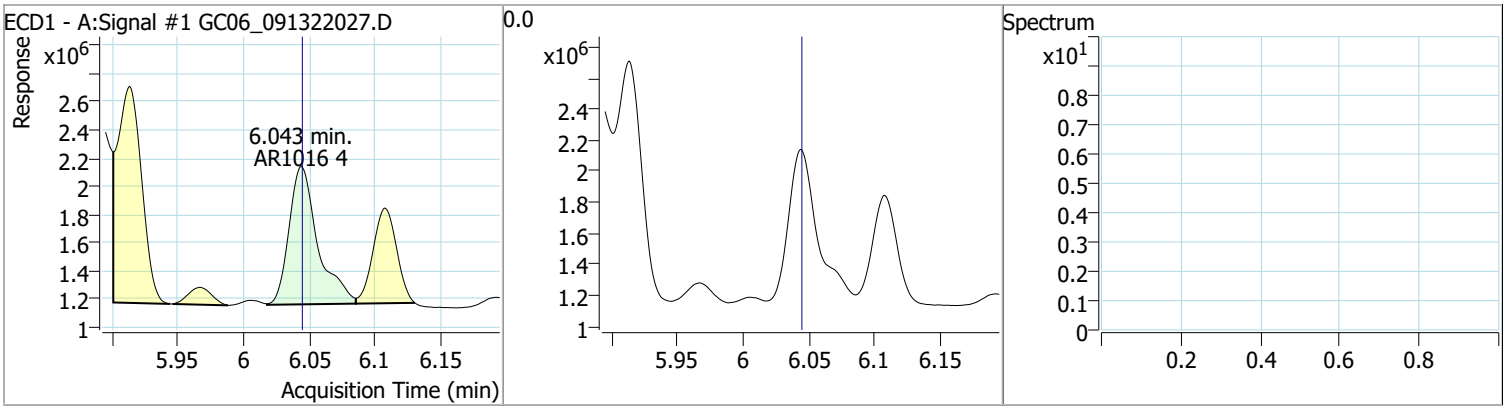
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	480.9647	5.99	0.00	10728054 (m)				



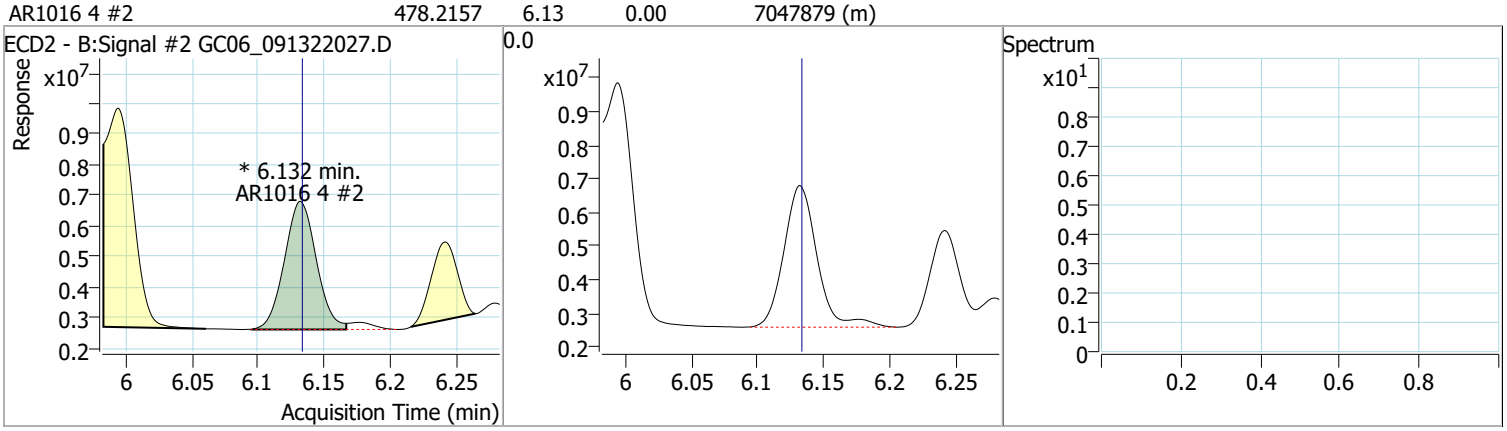




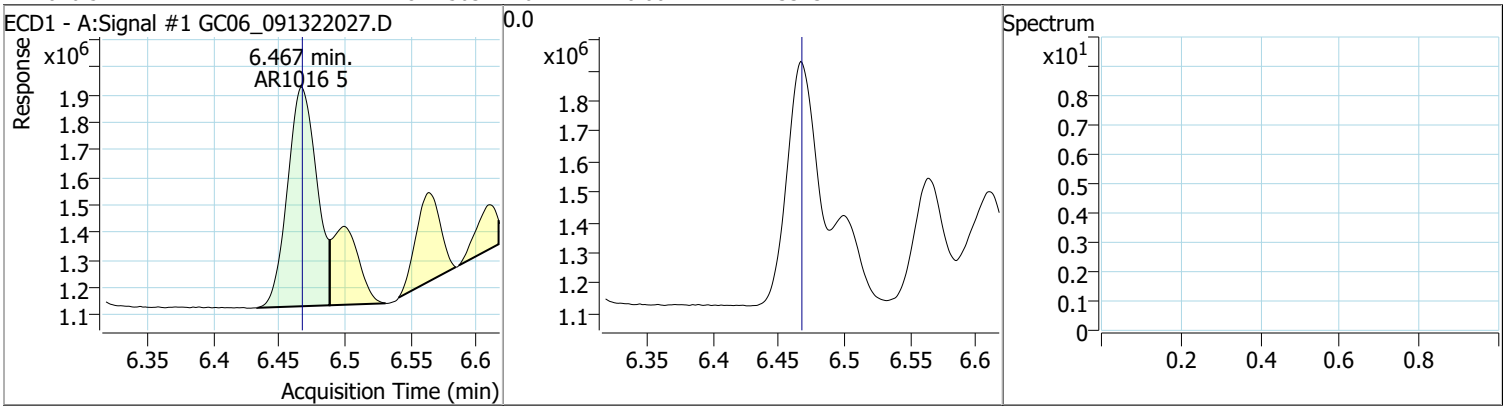
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	469.5057	6.04	0.00	1495110				



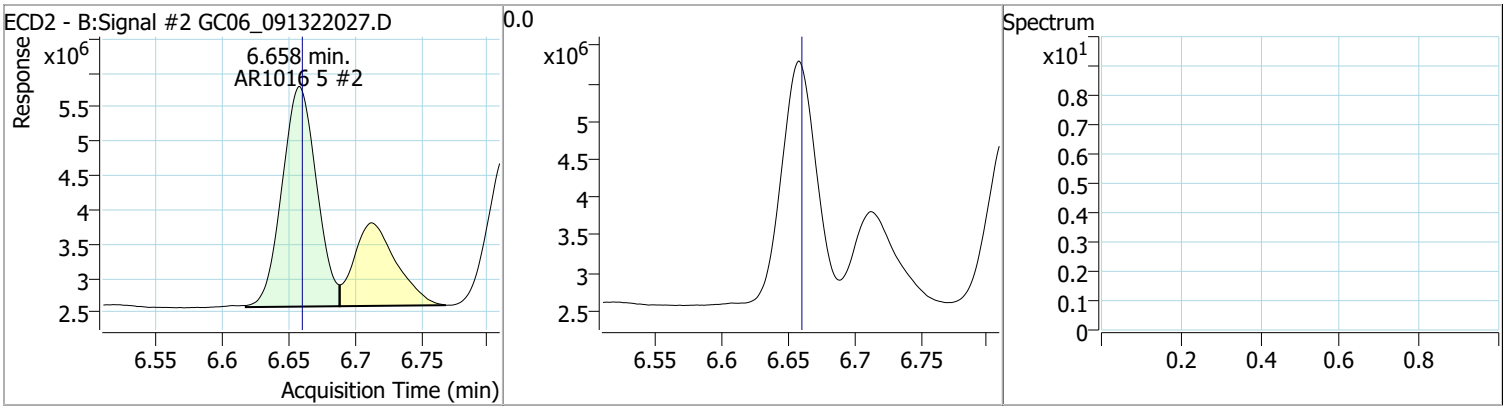
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	478.2157	6.13	0.00	7047879 (m)				



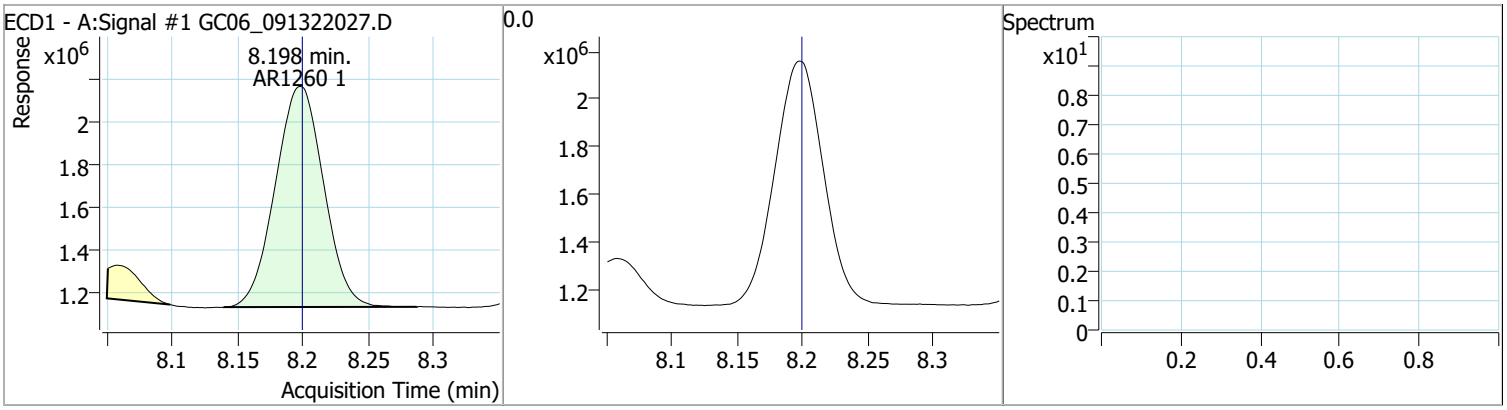
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	484.2563	6.47	0.00	1233231				



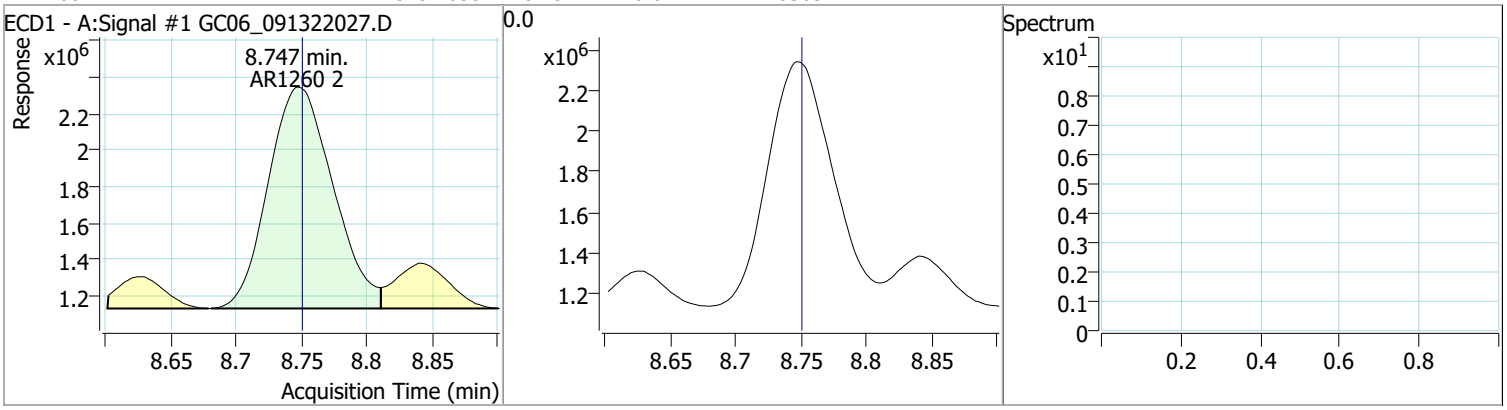
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	468.3147	6.66	0.00	5827477				



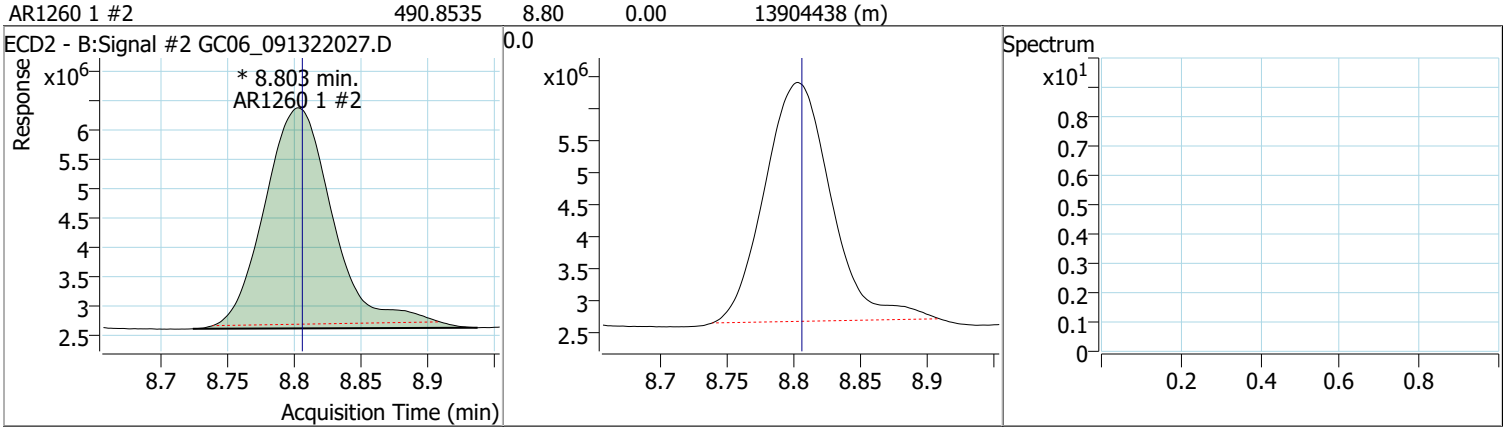
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	524.4175	8.20	0.00	2642364				



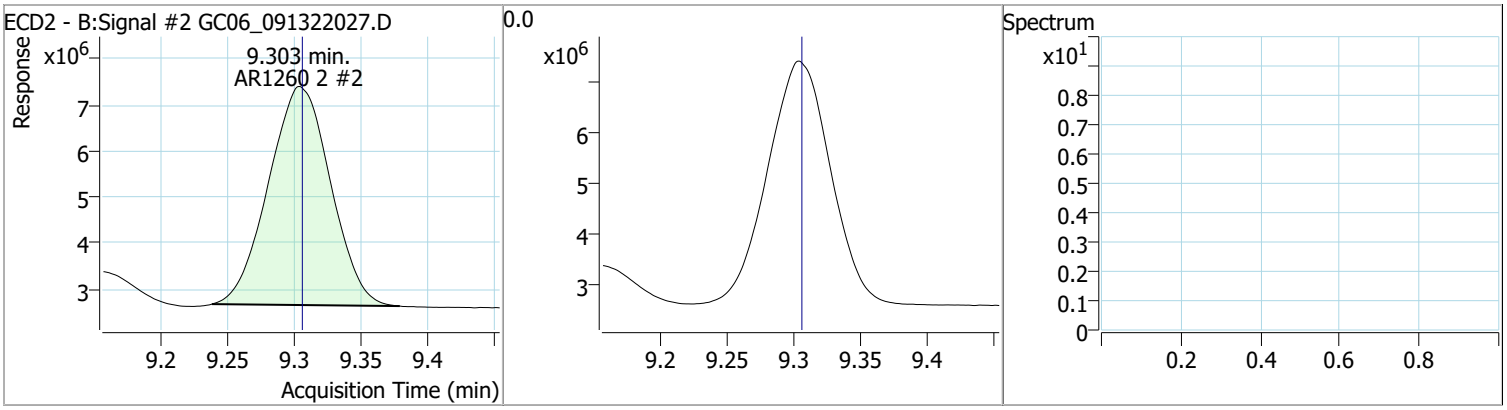
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	523.7035	8.75	-0.01	4163634				



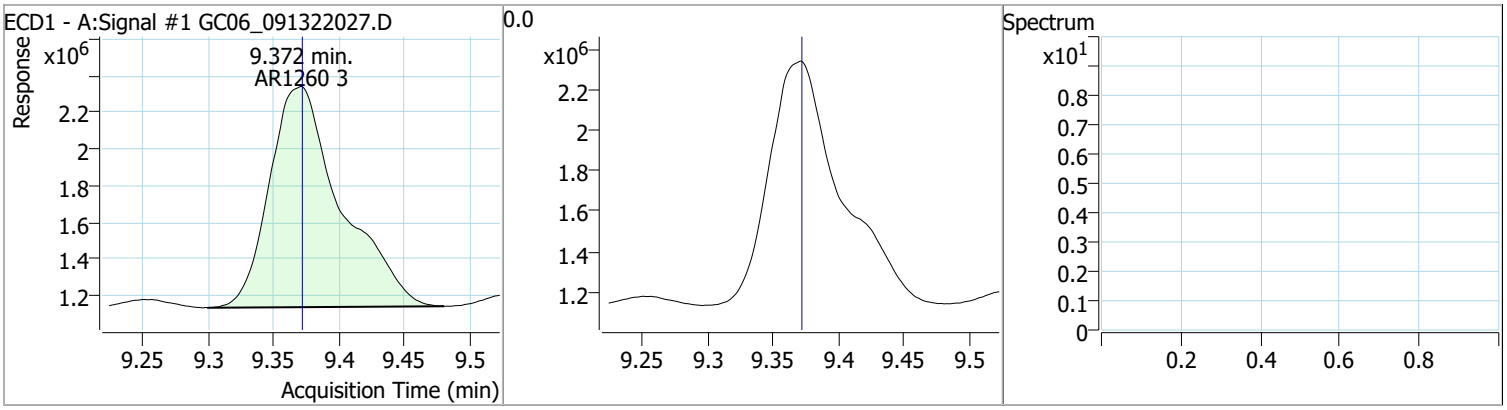
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	490.8535	8.80	0.00	13904438 (m)				



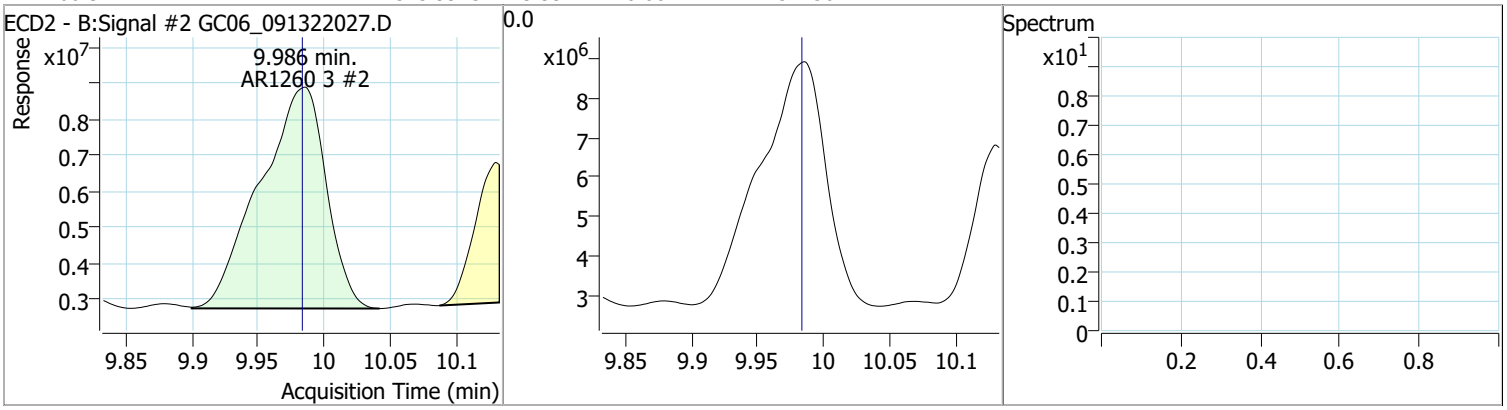
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	486.5633	9.30	0.00	15472948				



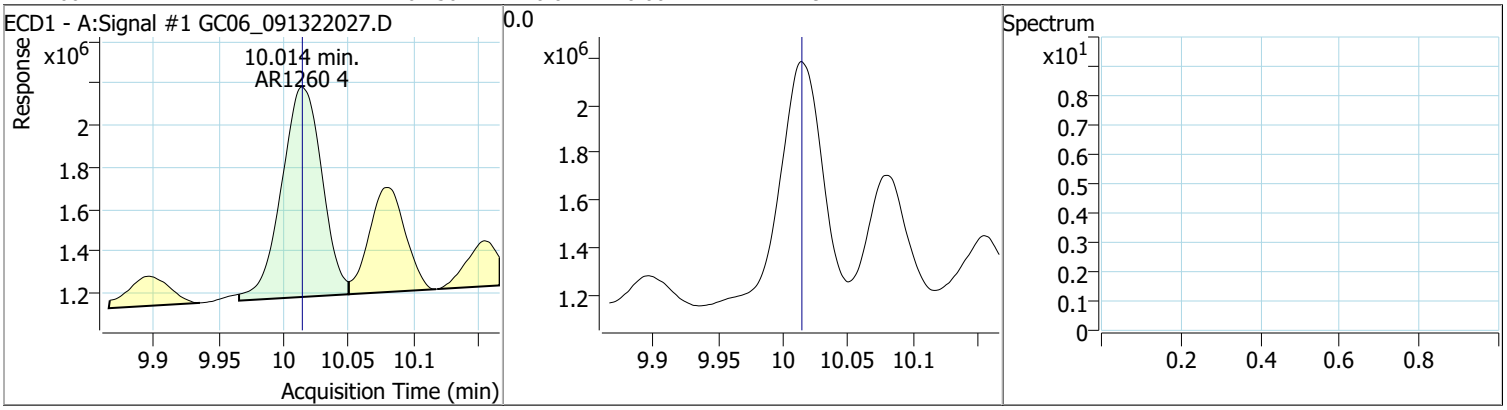
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	551.7012	9.37	0.00	4592439				



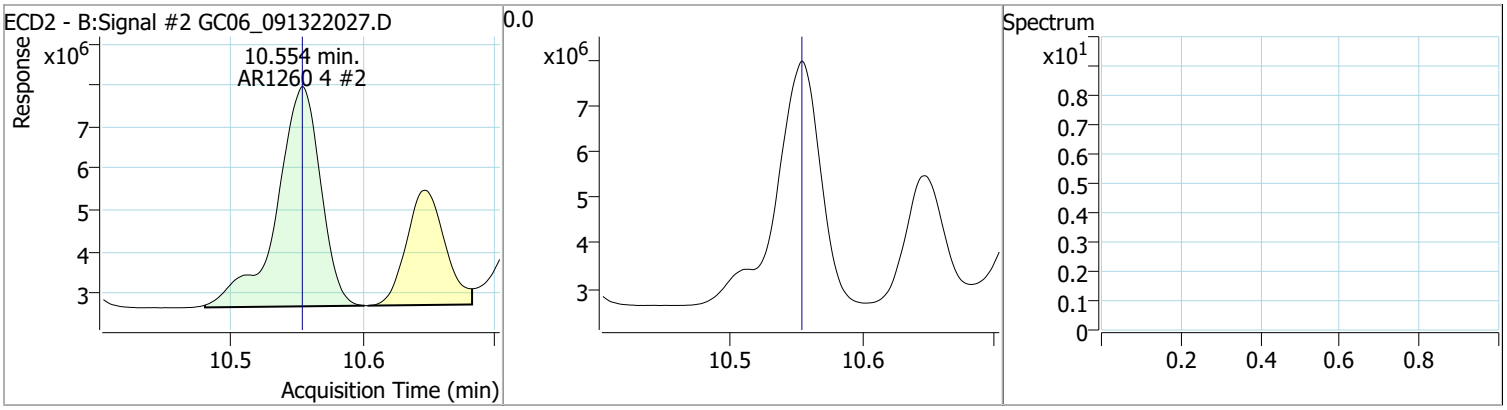
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	525.9915	9.99	0.00	21517567				



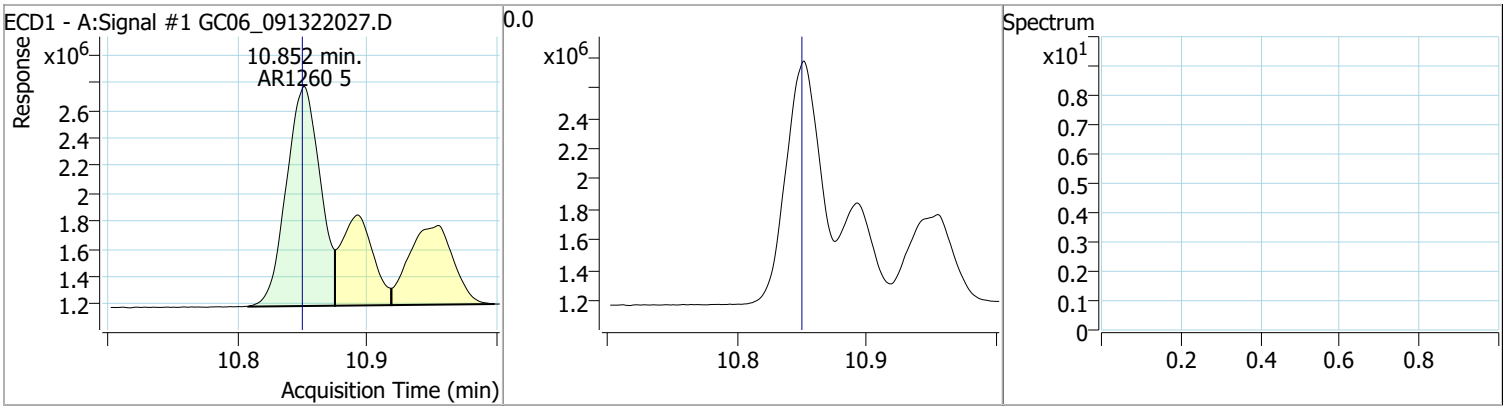
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	462.5644	10.01	0.00	2172192				



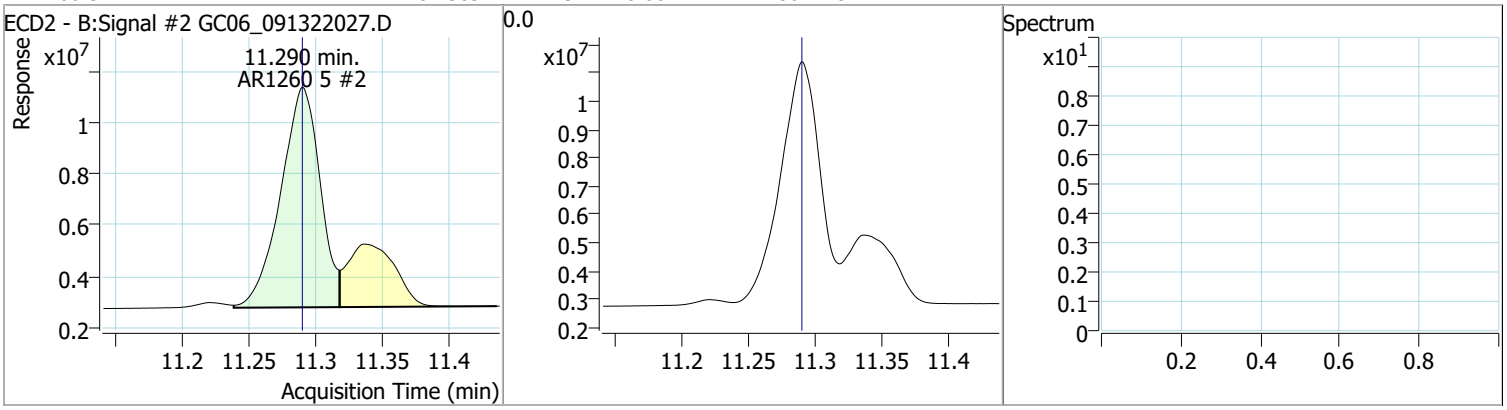
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	453.4022	10.55	0.00	12275769				



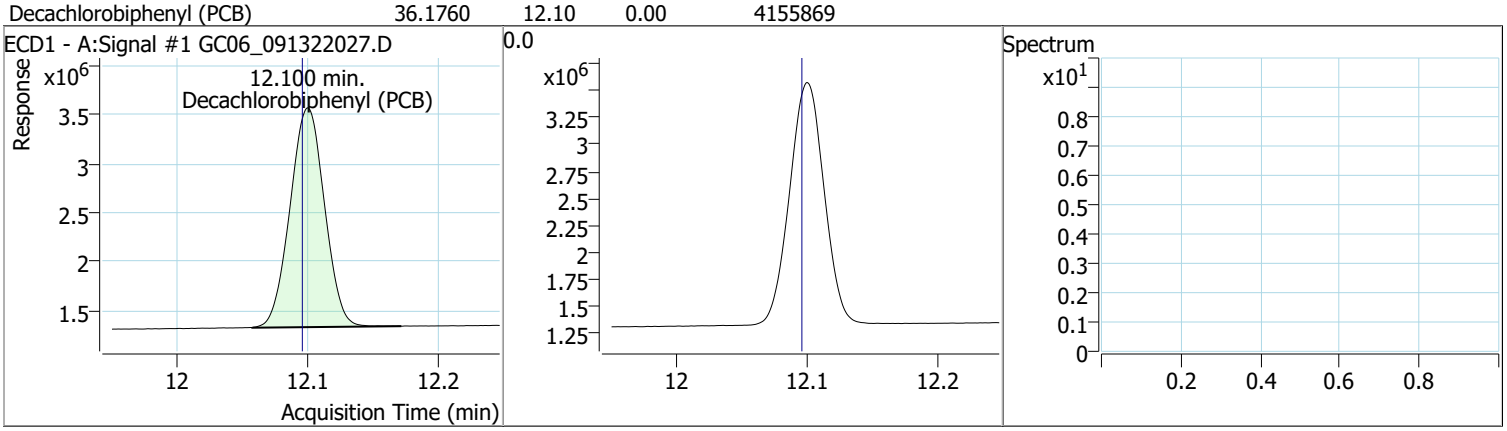
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	493.4815	10.85	0.00	2869211				



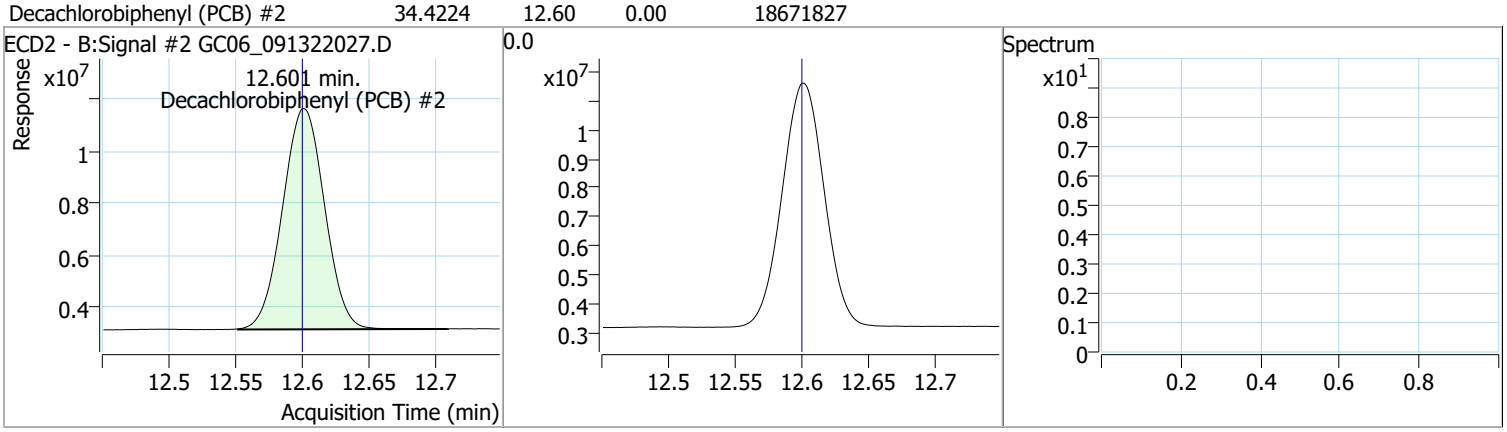
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	440.7389	11.29	0.00	17802178				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.1760	12.10	0.00	4155869				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.4224	12.60	0.00	18671827				



ENTHALPY INITIAL CALIBRATION FOR 470460 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_101222_1
Calibration #:	452410975002	Date:	12-OCT-2022 11:02
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_101222007	452410975007		12-OCT-2022 11:02	S17360

Analyte	Ch	L1 RF	Type	a0	a1	a2	Avg RF	%RSD	Min r^2	Max %RSD	Flags
Aroclor-1268 Peak # 1	A	0.0305	AVRG		32.7464		0.0305	0	.99	20	
Aroclor-1268 Peak # 2	A	0.0411	AVRG		24.3183		0.0411	0	.99	20	
Aroclor-1268 Peak # 3	A	0.1808	AVRG		5.53061		0.1808	0	.99	20	
Aroclor-1268 Peak # 4	A	0.1430	AVRG		6.99234		0.1430	0	.99	20	
Aroclor-1268 Peak # 5	A	0.5139	AVRG		1.94590		0.5139	0	.99	20	
Aroclor-1268 Peak # 1	B	0.0311	AVRG		32.1508		0.0311	0	.99	20	
Aroclor-1268 Peak # 2	B	0.0411	AVRG		24.3092		0.0411	0	.99	20	
Aroclor-1268 Peak # 3	B	0.1750	AVRG		5.71356		0.1750	0	.99	20	
Aroclor-1268 Peak # 4	B	0.1355	AVRG		7.38035		0.1355	0	.99	20	
Aroclor-1268 Peak # 5	B	0.4619	AVRG		2.16505		0.4619	0	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

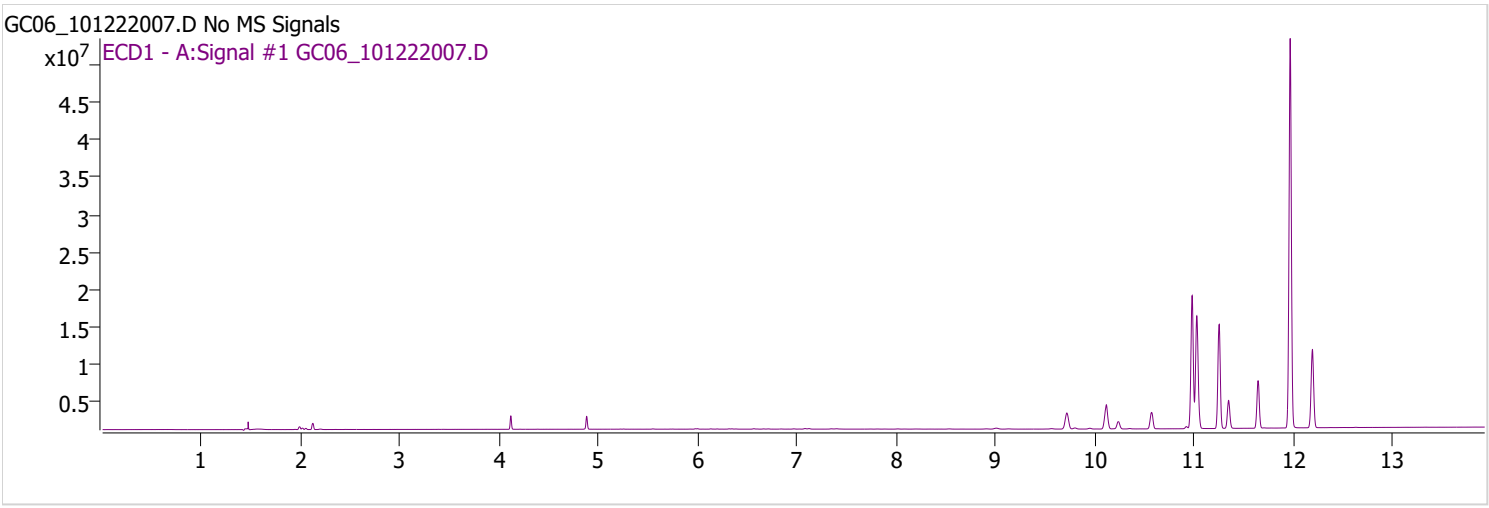
Spiked Amounts / Drifts	Ch	L1	%D
Aroclor-1268 Peak # 1	A	2000.0	0
Aroclor-1268 Peak # 2	A	2000.0	0
Aroclor-1268 Peak # 3	A	2000.0	0
Aroclor-1268 Peak # 4	A	2000.0	0
Aroclor-1268 Peak # 5	A	2000.0	0
Aroclor-1268 Peak # 1	B	2000.0	0
Aroclor-1268 Peak # 2	B	2000.0	0
Aroclor-1268 Peak # 3	B	2000.0	0
Aroclor-1268 Peak # 4	B	2000.0	0
Aroclor-1268 Peak # 5	B	2000.0	0

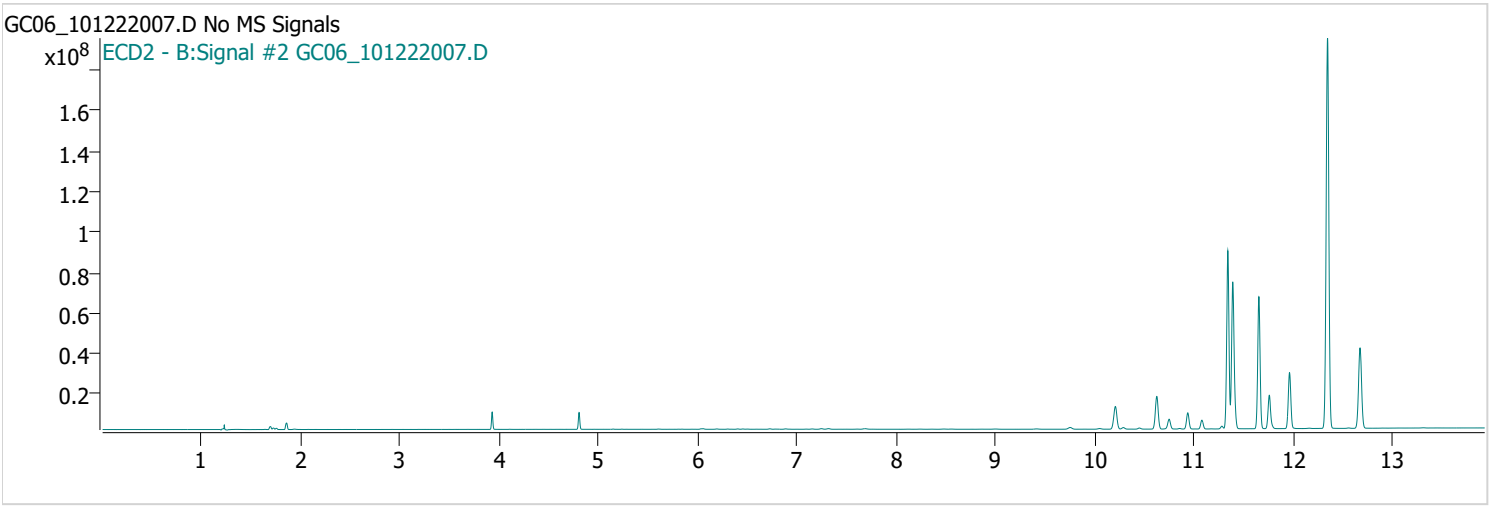
Analyst: TRN 10/14/22

Reviewer: LW 10/14/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_101222007.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 11:02:40 AM
Sample Name	ICAL, S17360	Instrument	SVOA-GC06
Vial	150	Multiplier	1.00
DA Method File	PCB_AR1268_101222_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222ar1268.batch.bin	Last Calib Update	10/14/2022 6:34:16 PM
Ref Library			



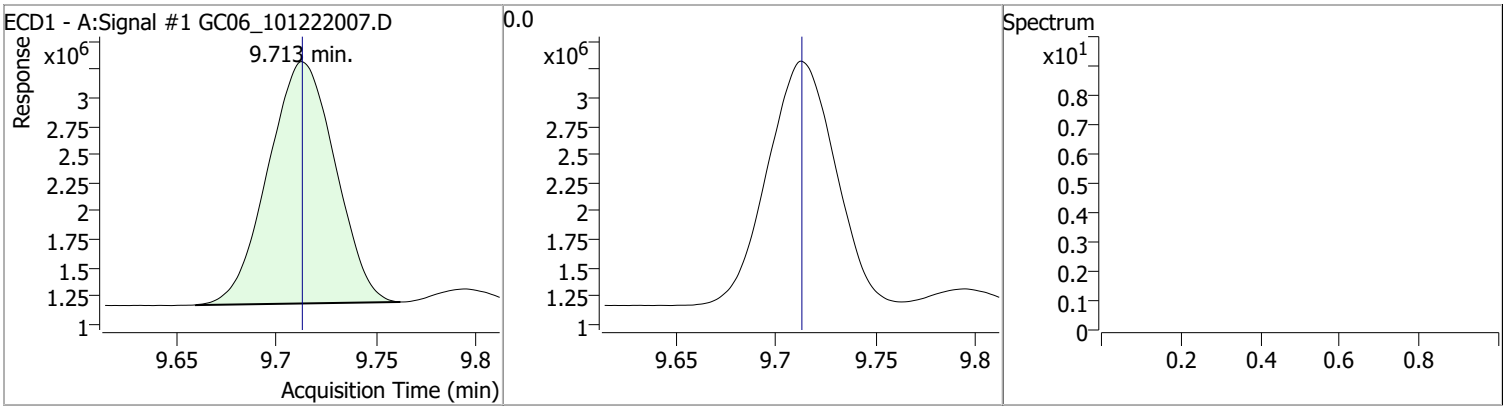


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268) #2	3.924	0.0	7925274.095	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (1268)	4.112	0.0	1655647.062	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	9.713	0.0	5055961.966	2000.0000	ng/ml	100
T AR1268 2	10.111	0.0	6808241.166	2000.0000	ng/ml	100
T AR1268 1 #2	10.202	0.0	24650346.144	2000.0000	ng/ml	100
T AR1268 2 #2	10.619	0.0	32601921.137	2000.0000	ng/ml	100
T Aroclor-1268	10.802	0.0	30112447.594	2000.0000	ng/ml	
T AR1268 3	10.975	0.0	29936079.284	2000.0000	ng/ml	100

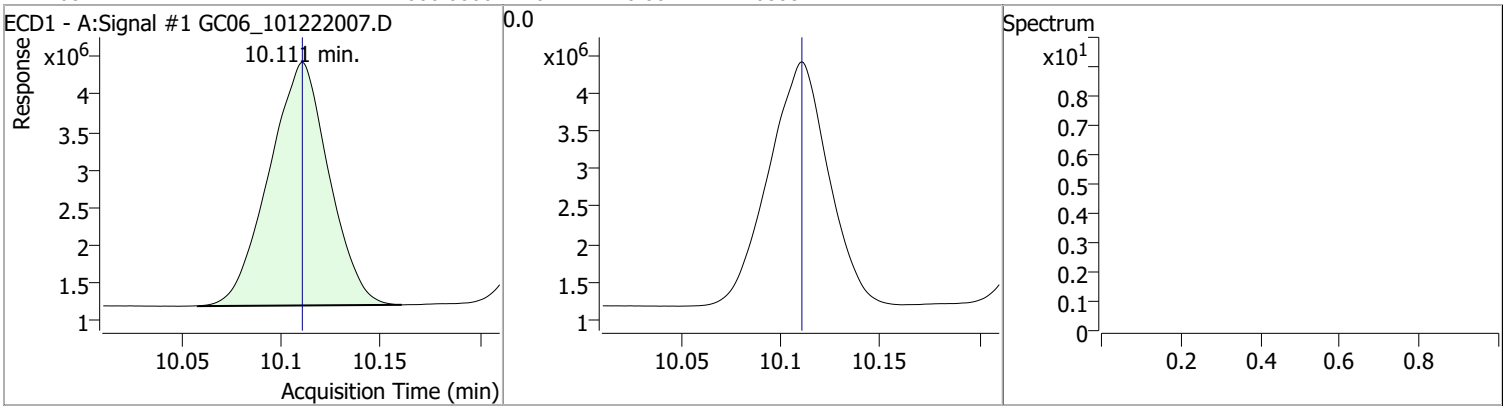
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 4	11.248	0.0	23678018.832	2000.0000	ng/ml	100
T AR1268 3 #2	11.334	0.0	138709913.510	2000.0000	ng/ml	100
T AR1268 4 #2	11.647	0.0	107383426.980	2000.0000	ng/ml	100
T Aroclor-1268 #2	11.228	0.0	133880157.166	2000.0000	ng/ml	
T AR1268 5	11.963	0.0	85083936.725	2000.0000	ng/ml	100
T AR1268 5 #2	12.339	0.0	366055178.058	2000.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

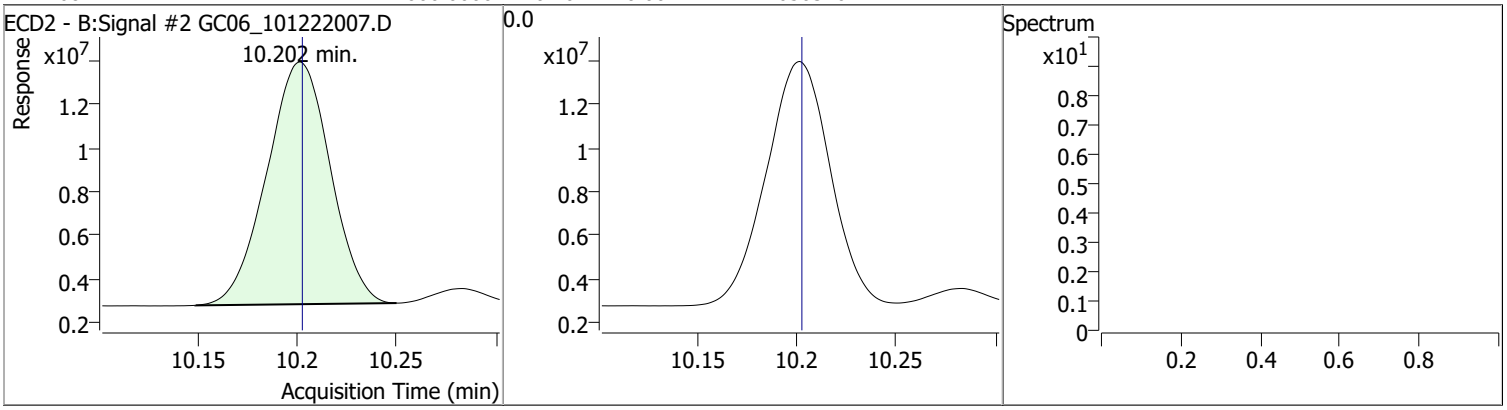
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	2000.0000	9.71	0.00	5055962				



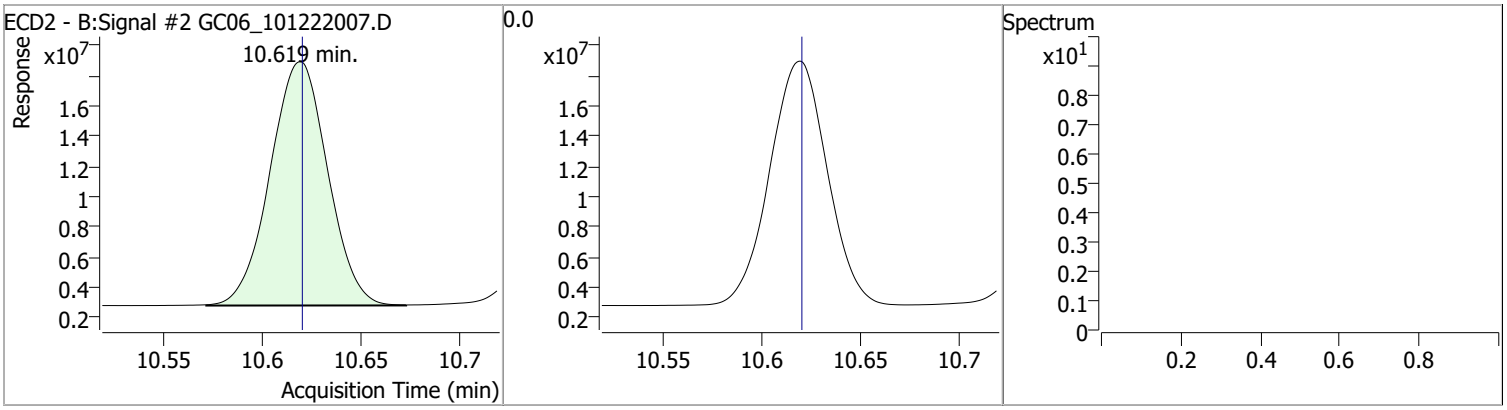
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	2000.0000	10.11	0.00	6808241				



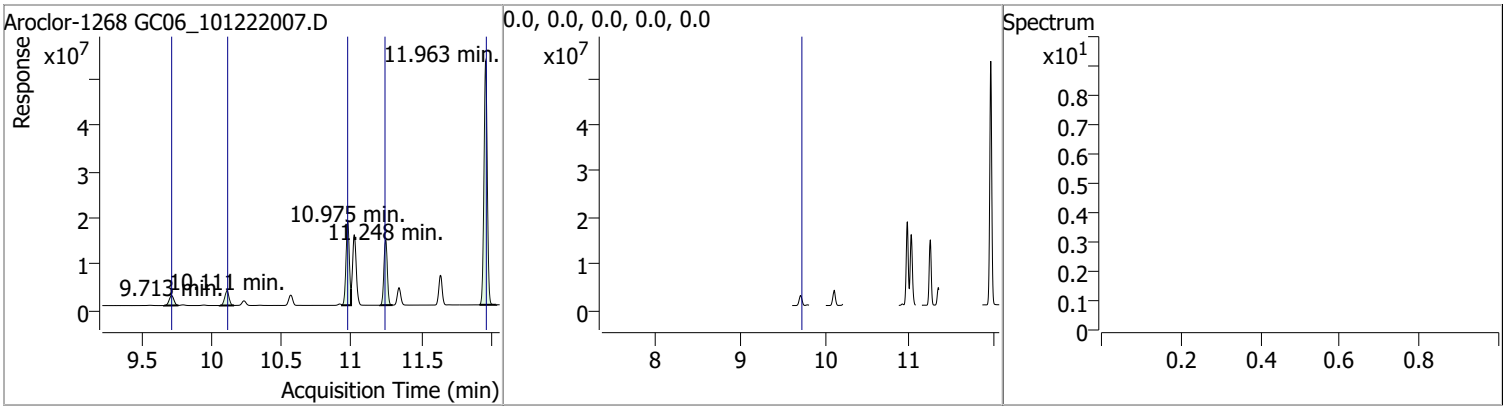
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	2000.0000	10.20	0.00	24650346				



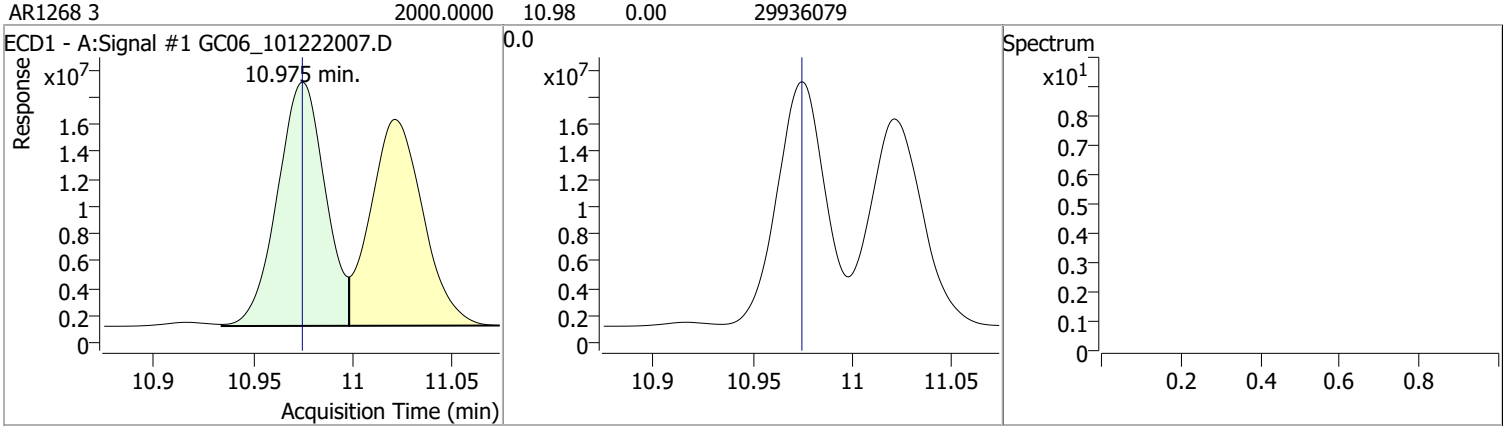
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	2000.0000	10.62	0.00	32601921				



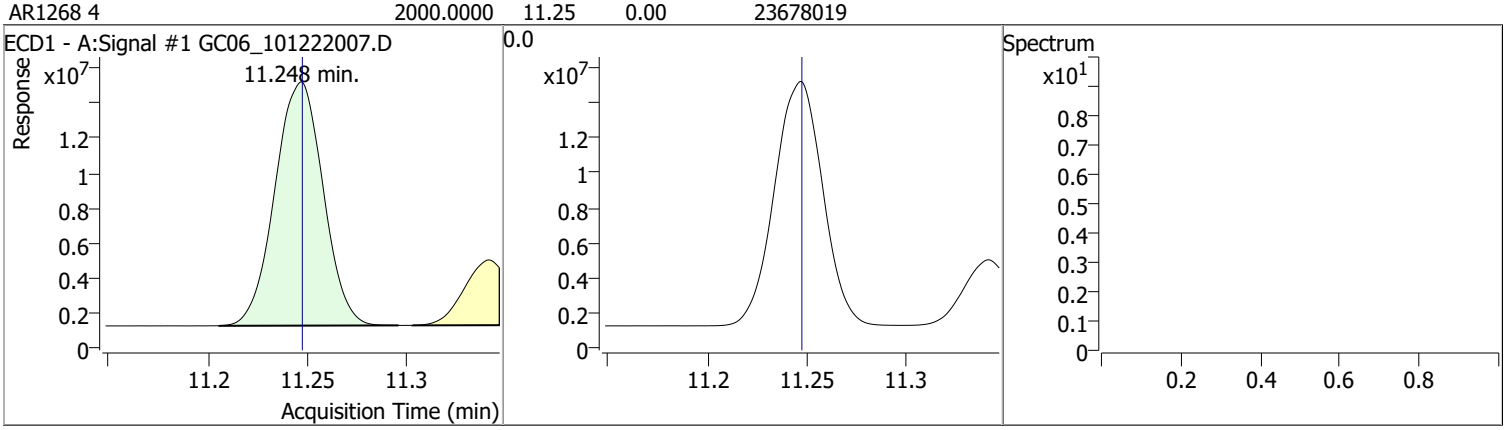
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	2000.0000	10.80	0.16	30112448				



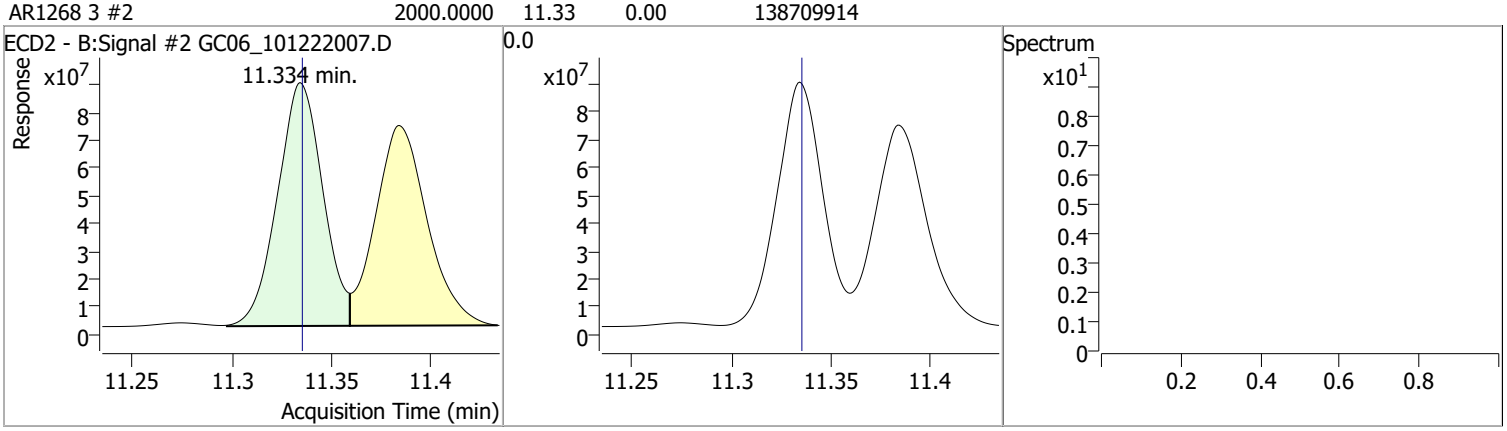
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	2000.0000	10.98	0.00	29936079				



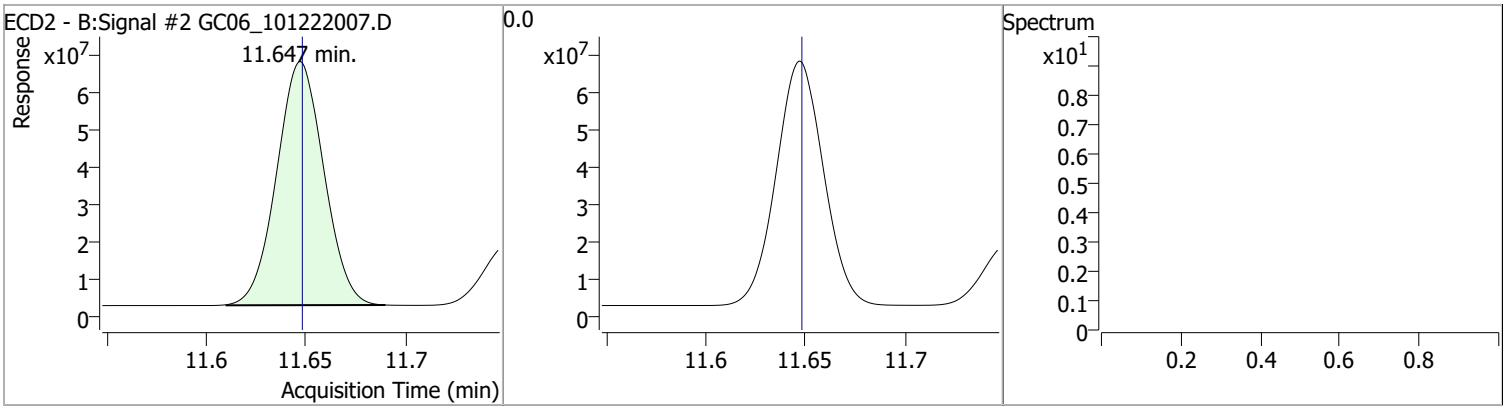
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	2000.0000	11.25	0.00	23678019				



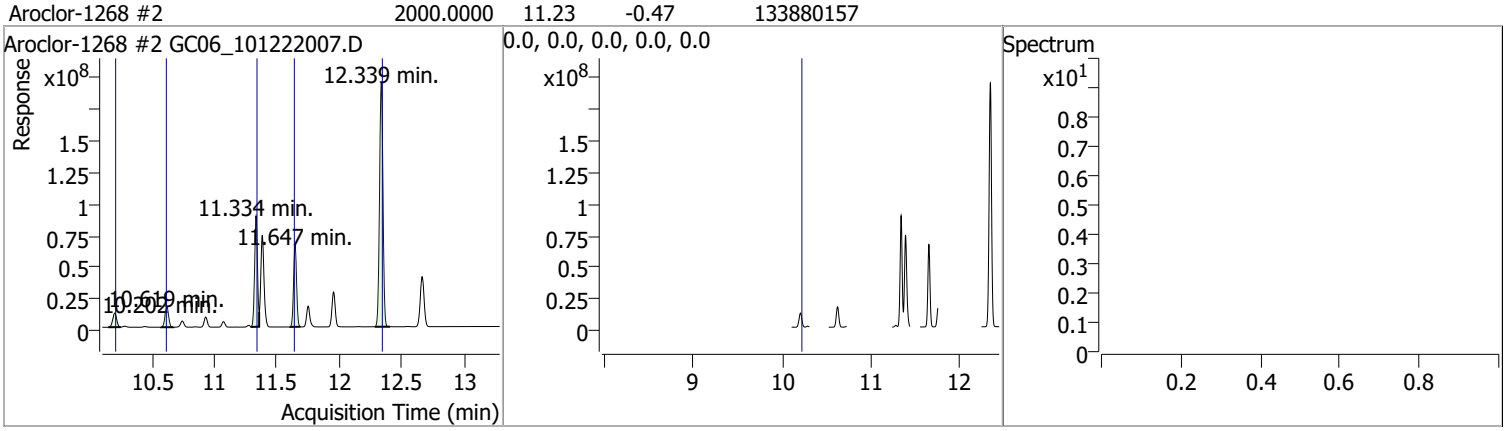
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	2000.0000	11.33	0.00	138709914				



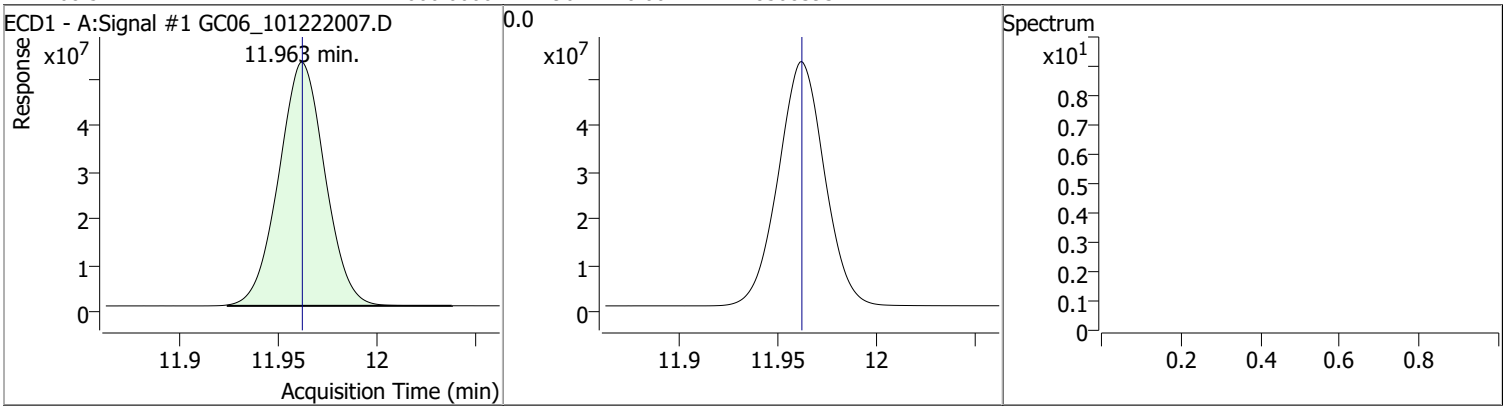
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	2000.0000	11.65	0.00	107383427				



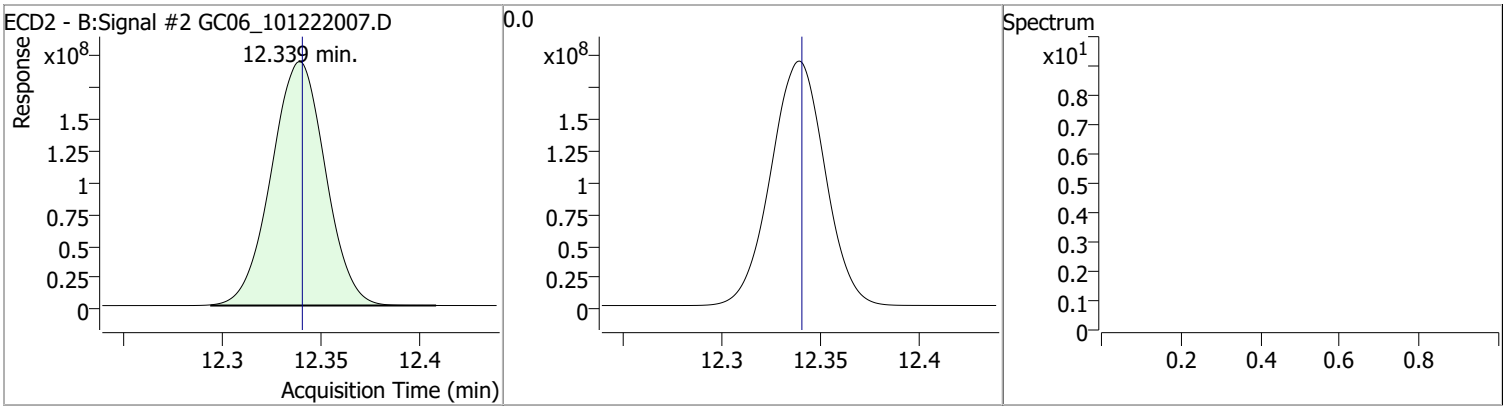
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	2000.0000	11.23	-0.47	133880157				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	2000.0000	11.96	0.00	85083937				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	2000.0000	12.34	0.00	366055178				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 470460 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452410975003	File:	gc06_101222003	Time:	12-OCT-2022 09:53
Cal:	452369928002	Caldate:	14-SEP-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	496.2	ug/L	-1	15	0.0000	
Aroclor-1260	A			500.0	500.1	ug/L	0	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.3414	1.2716	40.00	37.92	ug/L	-5	15	0.0000	
TCMX (PCB)	A	0.9527	0.8976	40.00	37.69	ug/L	-6	15	0.0000	
Aroclor-1016	B			500.0	485.9	ug/L	-3	15	0.0000	
Aroclor-1260	B			500.0	469.3	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.3267	1.1889	40.00	35.85	ug/L	-10	15	0.0000	
TCMX (PCB)	B	0.9791	0.9056	40.00	37.00	ug/L	-8	15	0.0000	

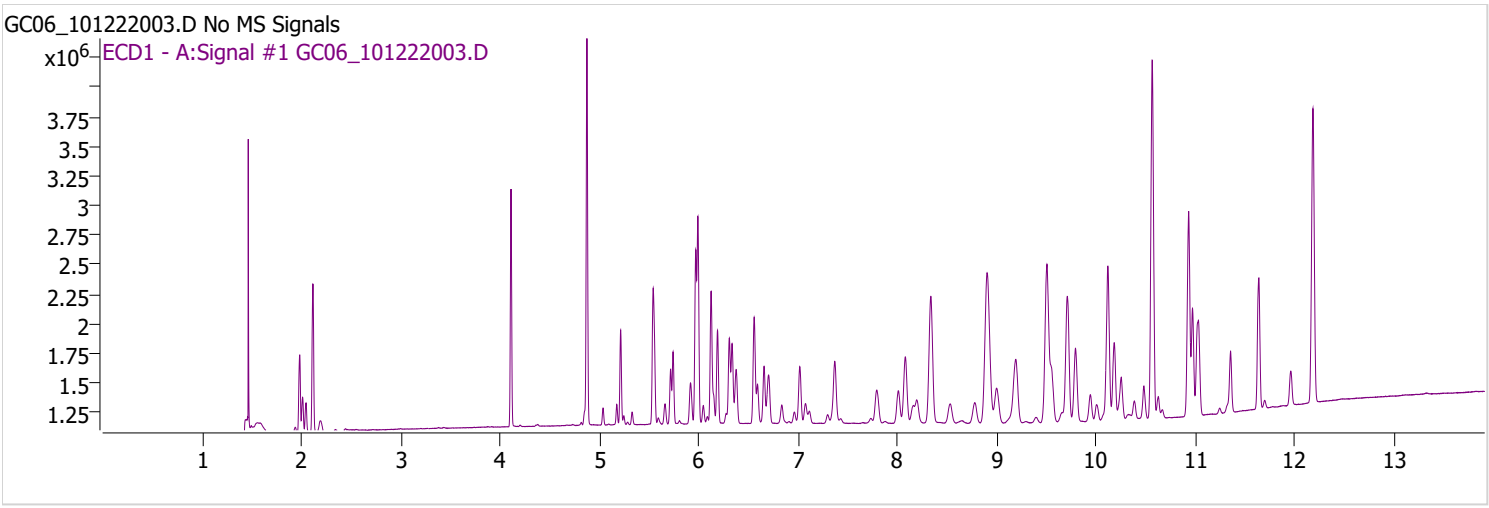
ISTD (ICAL gc06_091322018)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7396287	9052455	22.39
1-bromo-2-nitrobenzene (PCB)	A	1574602	1846693	17.28

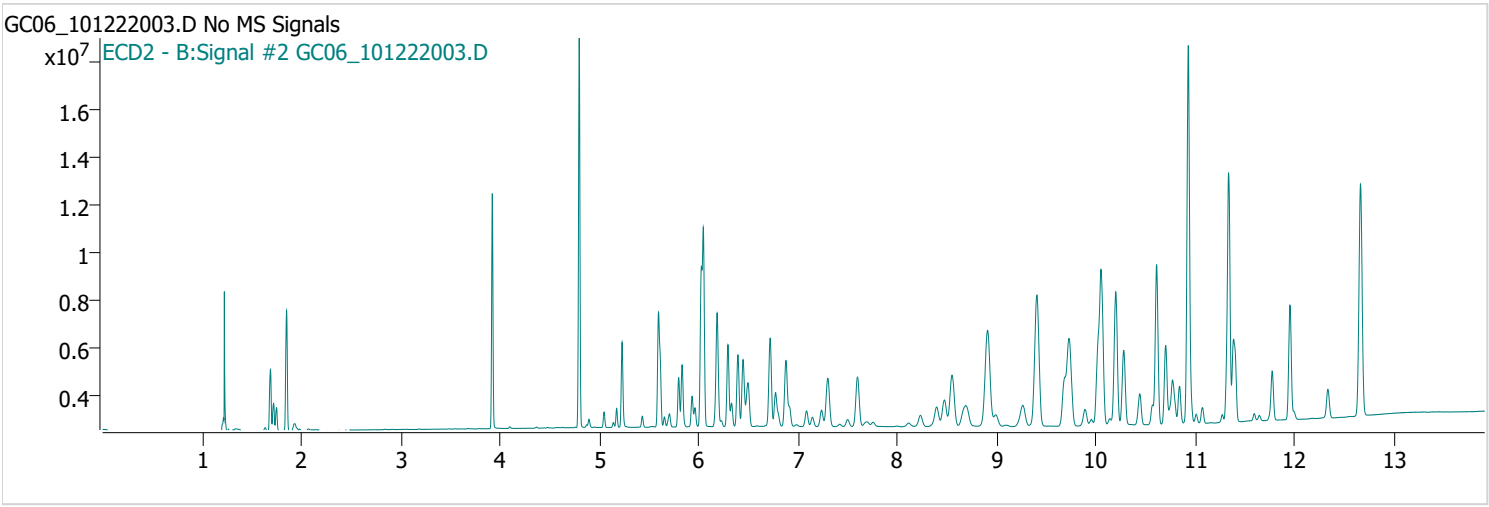
TRN 10/14/22 [Aroclor-1016 B]: Separated from coeluting peak for Ch. B.

Analyst: TRN 10/14/22 **Reviewer:** LW 10/14/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_101222003.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_1	Acq. Date-Time	10/12/2022 9:53:00 AM
Sample Name	CCV, S17386	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_091322_GC06_7.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	101222_pcb.batch.bin	Last Calib Update	9/14/2022 2:06:15 PM
Ref Library			



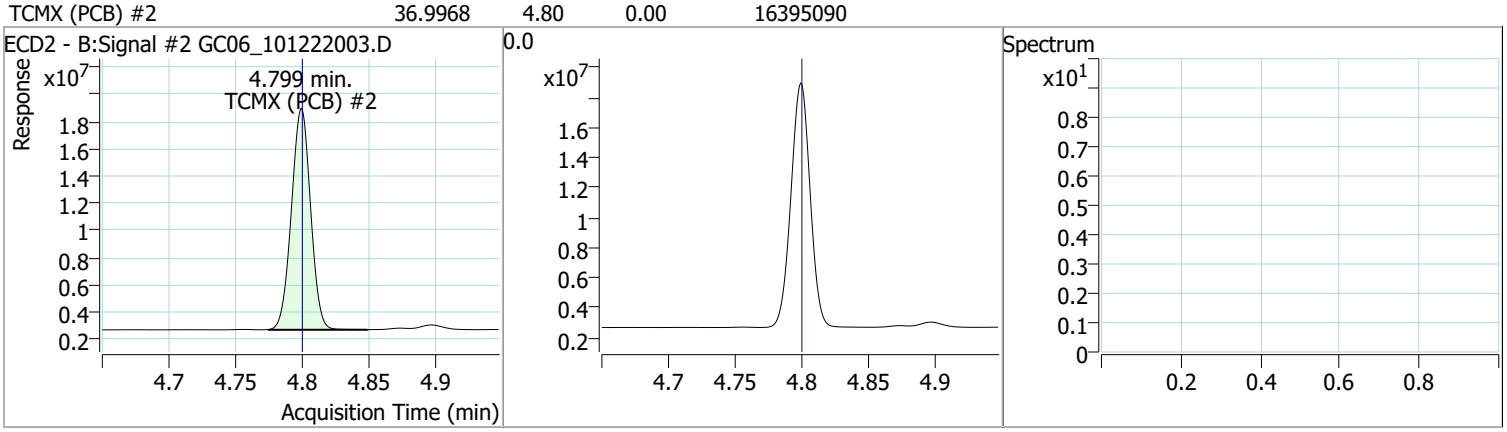


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB) #2	3.924	0.0	9052454.841	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB)	4.113	0.0	1846693.226	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB) #2	4.799	0.0	16395090.323	36.9968	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.98%		*	
S TCMX (PCB)	4.877	0.0	3315287.611	37.6897	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.45%		*	
S Decachlorobiphenyl (PCB)	12.188	0.0	4696412.521	37.9182	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.59%		*	
S Decachlorobiphenyl (PCB) #2	12.666	0.0	21525779.339	35.8476	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.24%		*	
Target Compounds							QValue

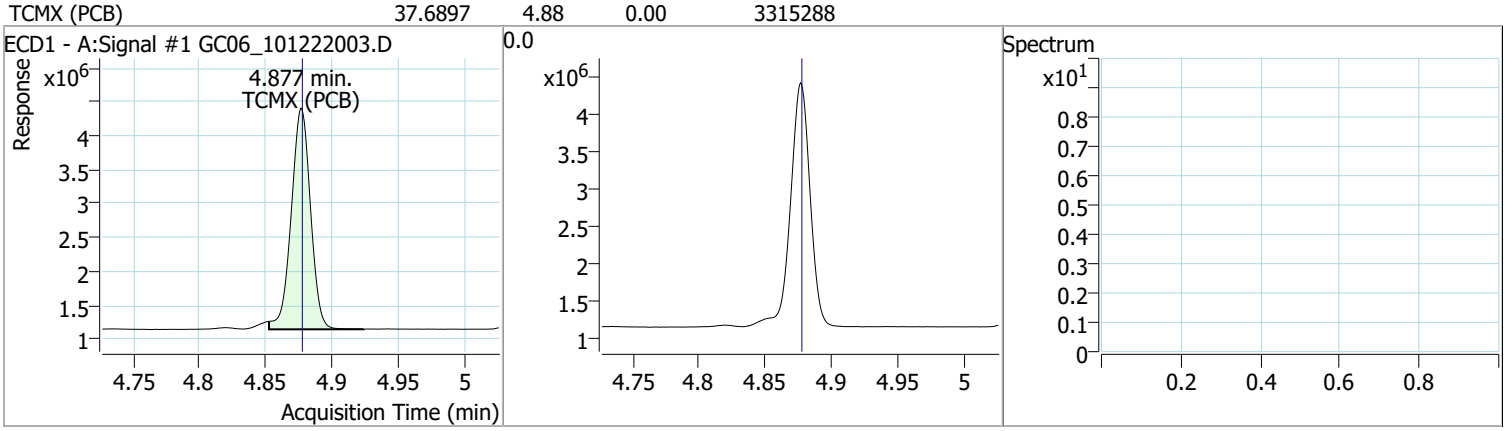
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.217	0.0	883290.280	487.9178	ng/ml		100
T AR1016 1 #2	5.231	0.0	4299747.692	472.5166	ng/ml		100
T AR1016 2	5.544	0.0	1891092.084	488.7157	ng/ml		100
T AR1016 2 #2	5.598	0.0	8886985.852	468.2636	ng/ml		100
T AR1016 3	5.994	0.0	2246689.839	492.5458	ng/ml		100
T AR1016 3 #2	6.048	0.0	12055715.904	488.2386	ng/ml	m	100
T AR1016 4	6.128	0.0	1730161.764	503.9392	ng/ml		100
T AR1016 4 #2	6.188	0.0	8337556.999	511.0355	ng/ml		100
T AR1016 5	6.561	0.0	1394811.326	508.0074	ng/ml		100
T AR1016 5 #2	6.722	0.0	6743868.874	489.5682	ng/ml		100
T AR1260 1	8.340	0.0	2748568.060	505.9582	ng/ml		100
T AR1260 2	8.906	0.0	4238514.708	494.4818	ng/ml		100
T AR1260 1 #2	8.912	0.0	14078389.000	448.9504	ng/ml		100
T AR1260 2 #2	9.408	0.0	16823371.067	477.8881	ng/ml		100
T AR1260 3	9.509	0.0	4516529.229	503.2561	ng/ml		100
T AR1260 3 #2	10.053	0.0	21689525.292	478.9415	ng/ml		100
T AR1260 4	10.123	0.0	2548263.193	503.3175	ng/ml		100
T AR1260 4 #2	10.613	0.0	14403905.920	480.5759	ng/ml		100
T AR1260 5	10.936	0.0	3094461.016	493.6476	ng/ml		100
T AR1260 5 #2	11.338	0.0	20565887.273	459.9415	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

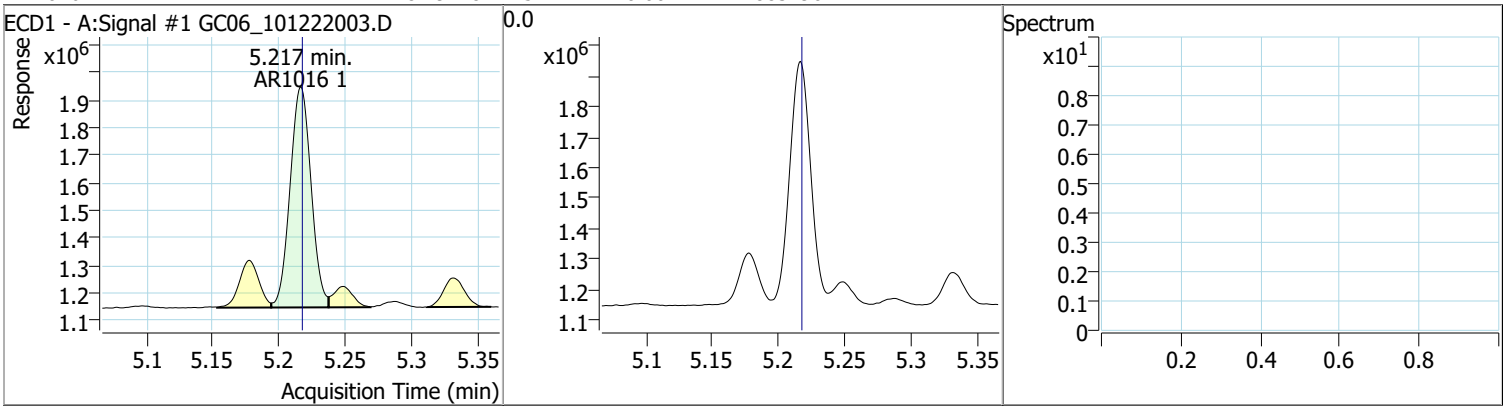
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.9968	4.80	0.00	16395090				



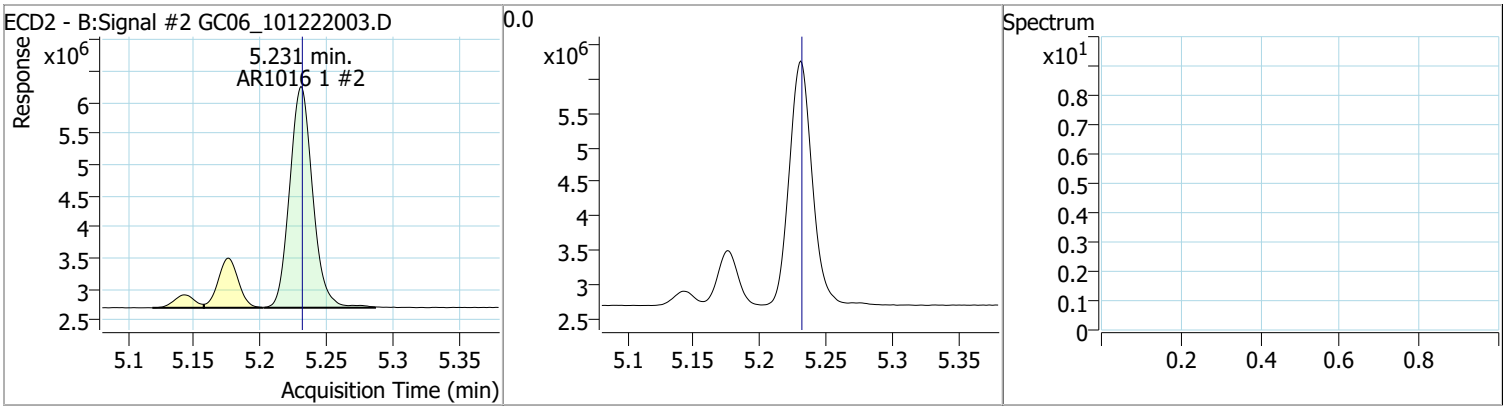
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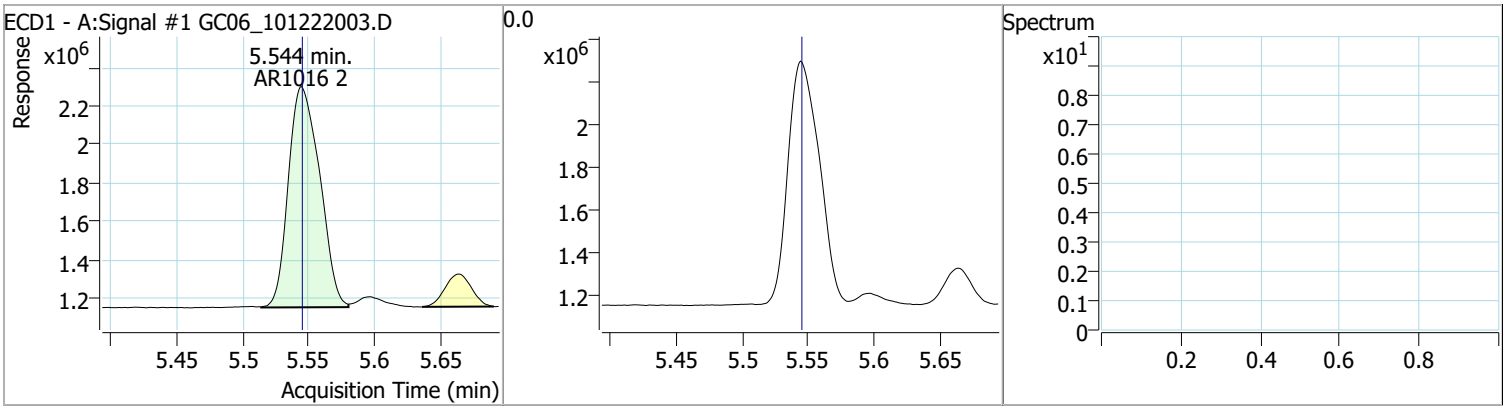
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	487.9178	5.22	0.00	883290				



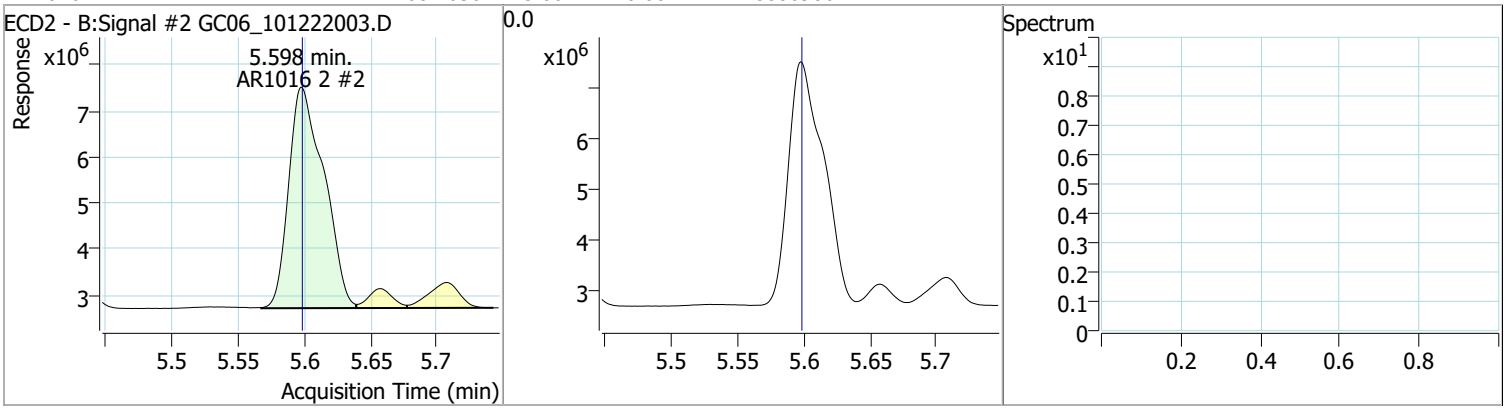
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AR1016 1 #2	472.5166	5.23	0.00	4299748				



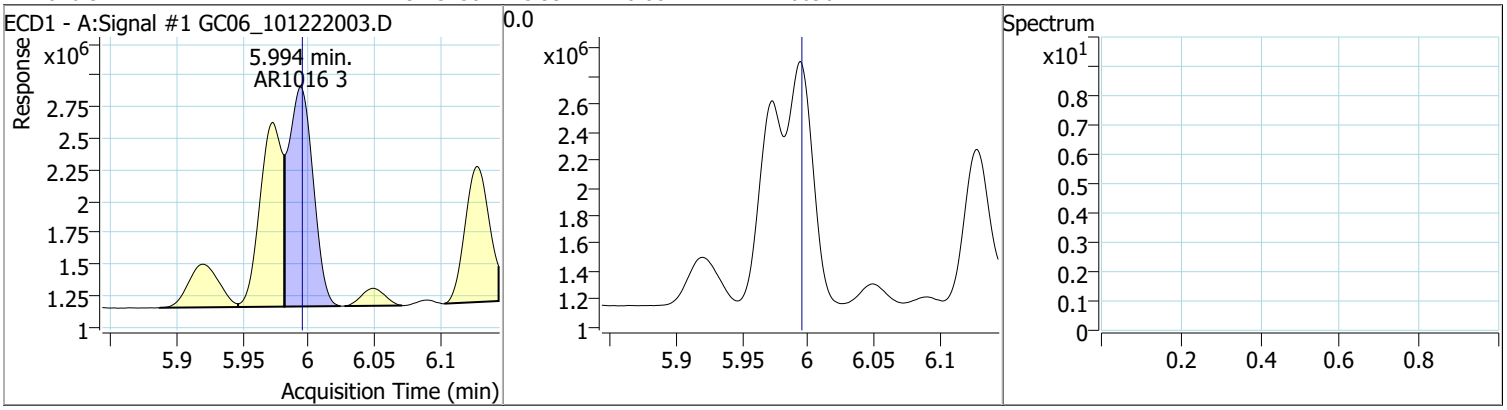
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AR1016 2	488.7157	5.54	0.00	1891092				



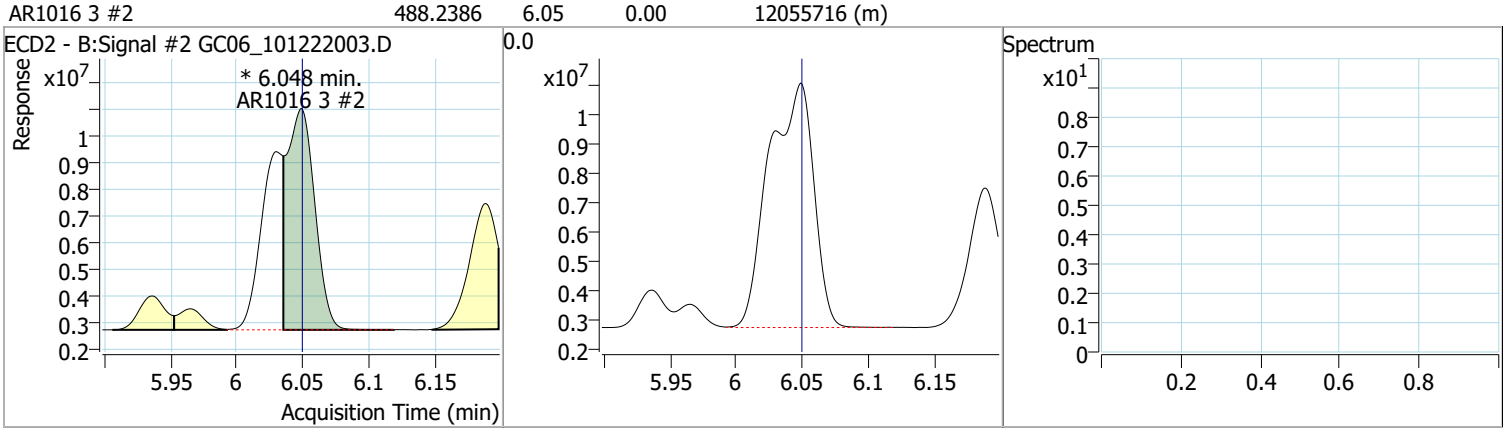
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AR1016 2 #2	468.2636	5.60	0.00	8886986				



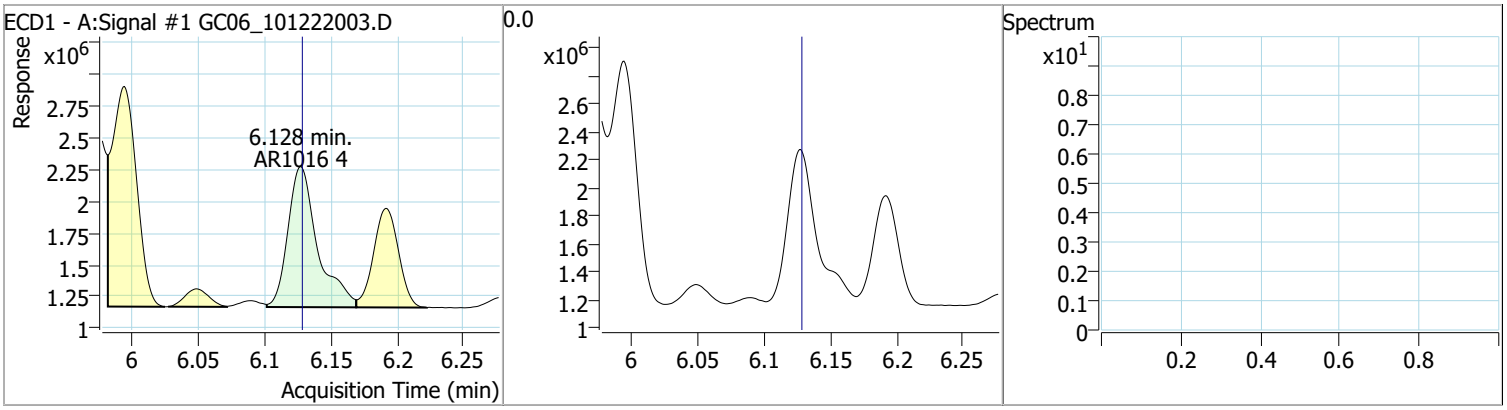
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	492.5458	5.99	0.00	2246690				



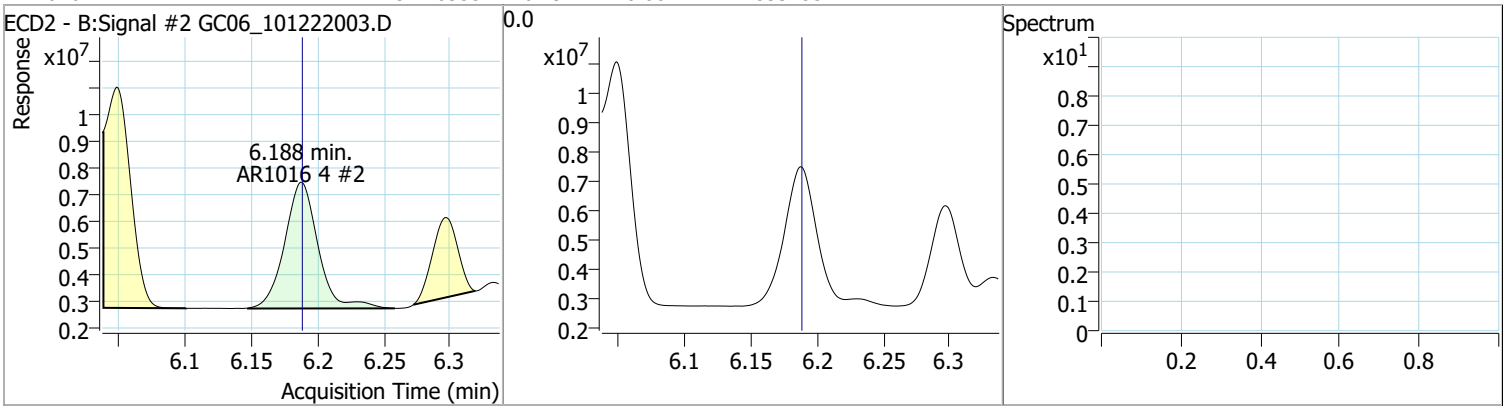
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	488.2386	6.05	0.00	12055716 (m)				



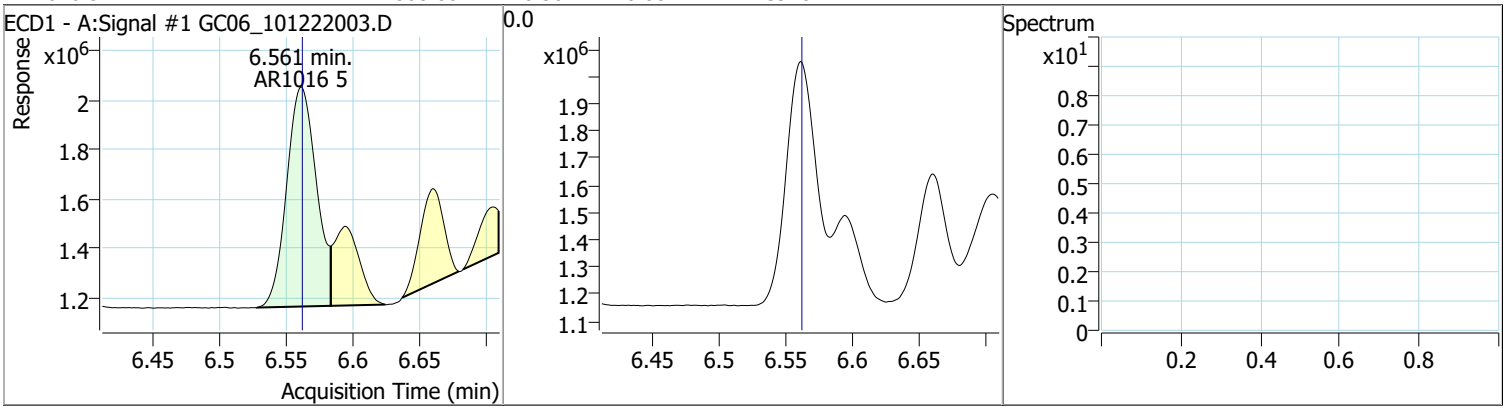
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AR1016 4	503.9392	6.13	0.00	1730162				



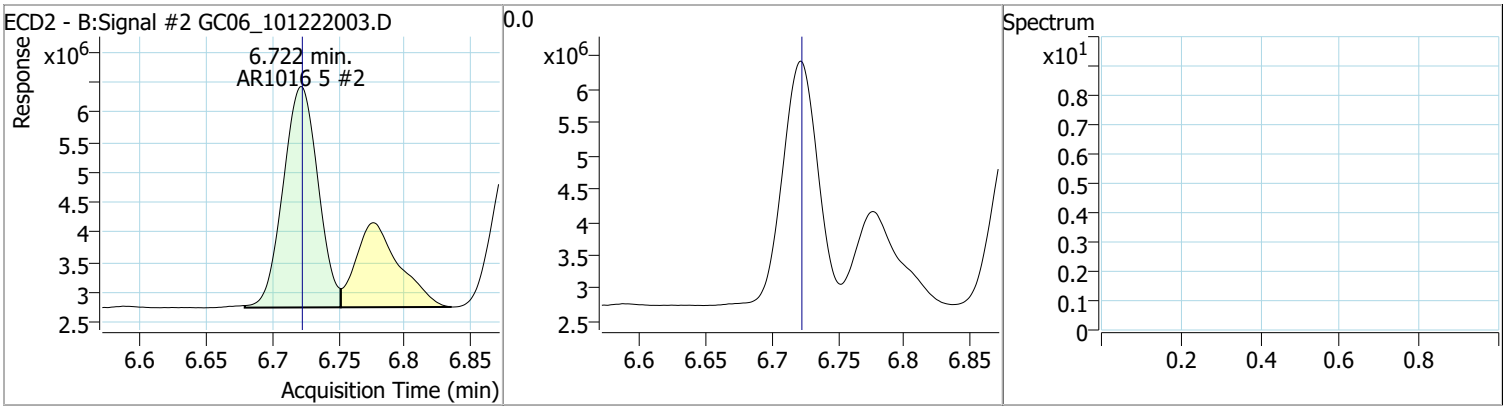
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	511.0355	6.19	0.00	8337557				



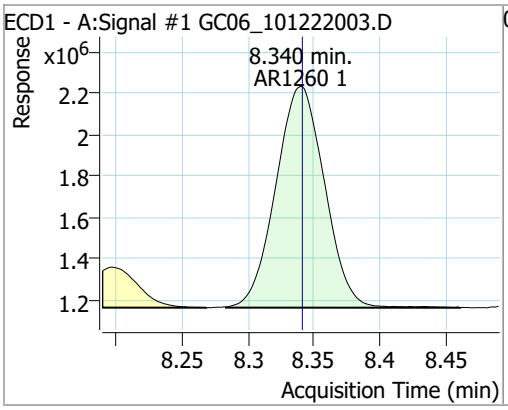
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	508.0074	6.56	0.00	1394811				

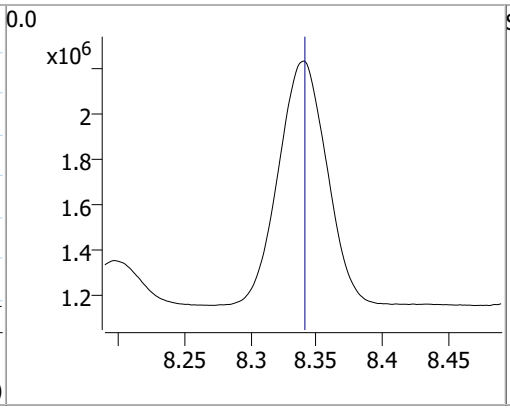


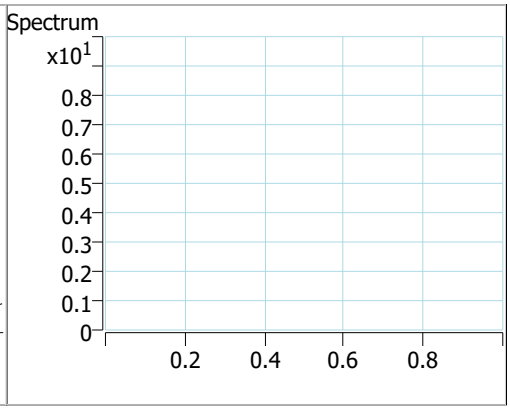
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	489.5682	6.72	0.00	6743869				



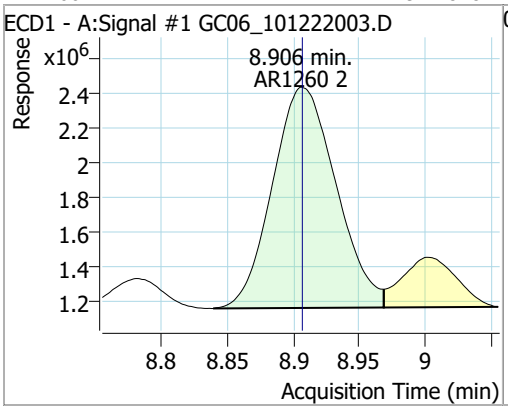
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	505.9582	8.34	0.00	2748568				

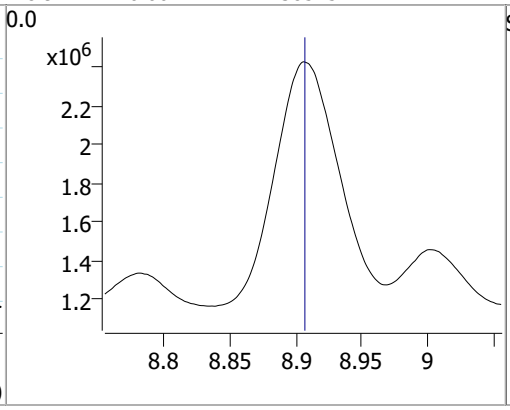


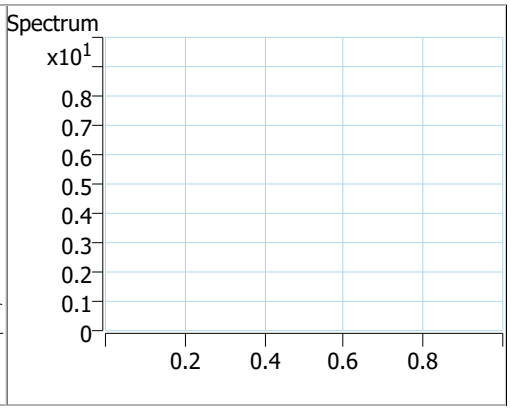




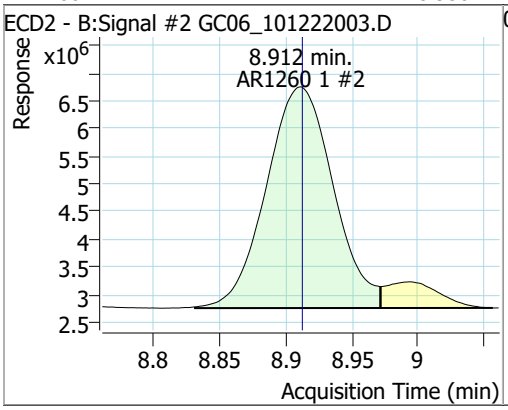
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	494.4818	8.91	0.00	4238515				

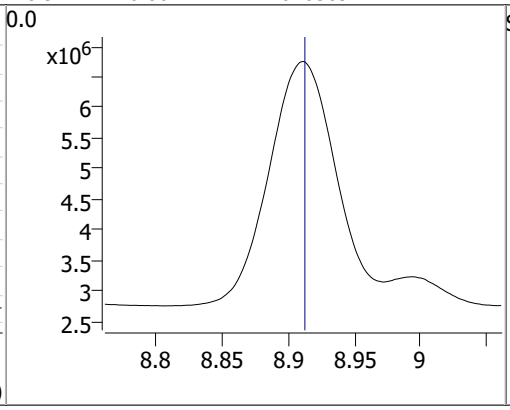


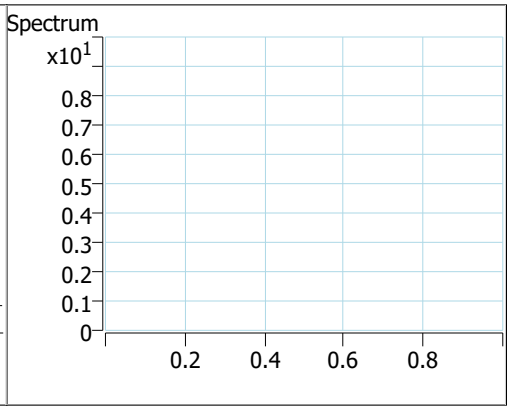




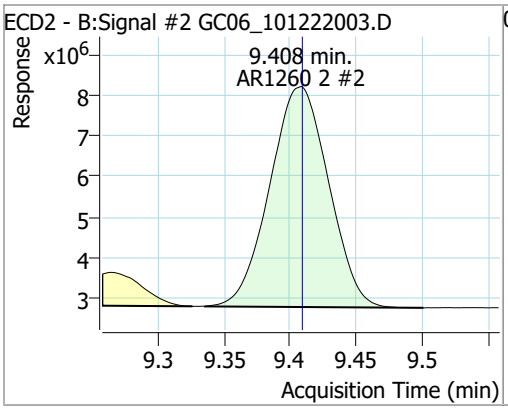
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	448.9504	8.91	0.00	14078389				

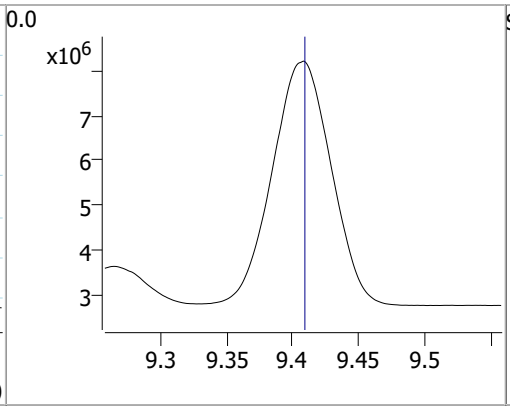


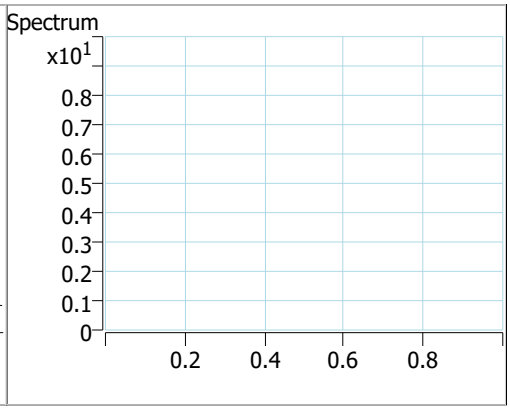




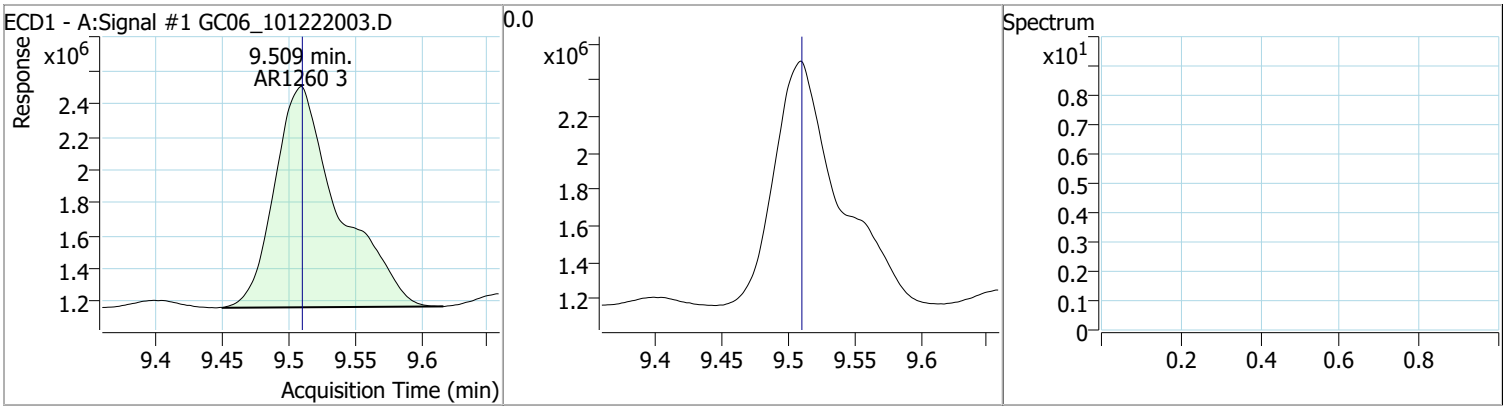
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	477.8881	9.41	0.00	16823371				



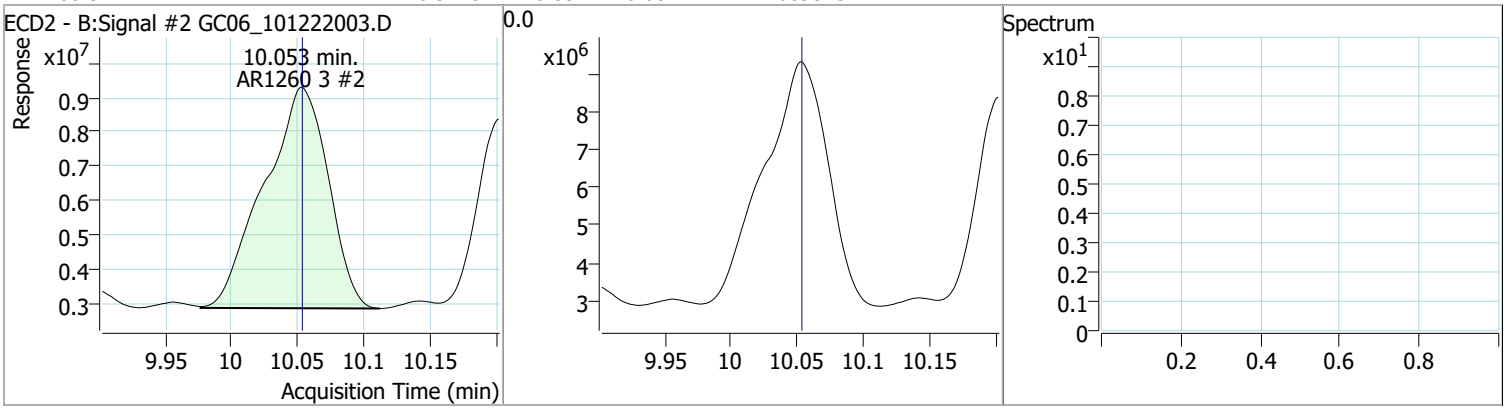




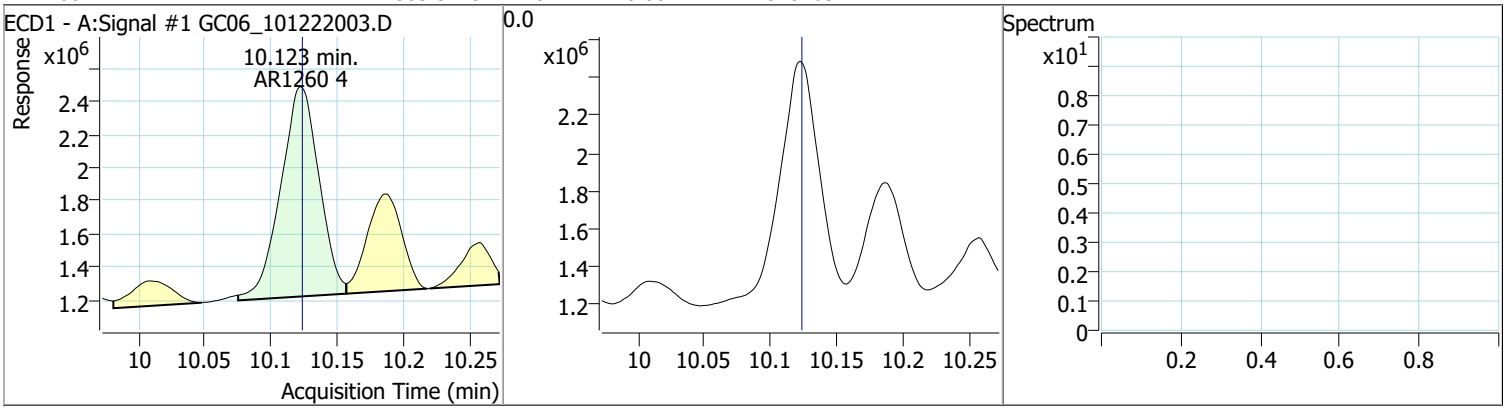
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	503.2561	9.51	0.00	4516529				



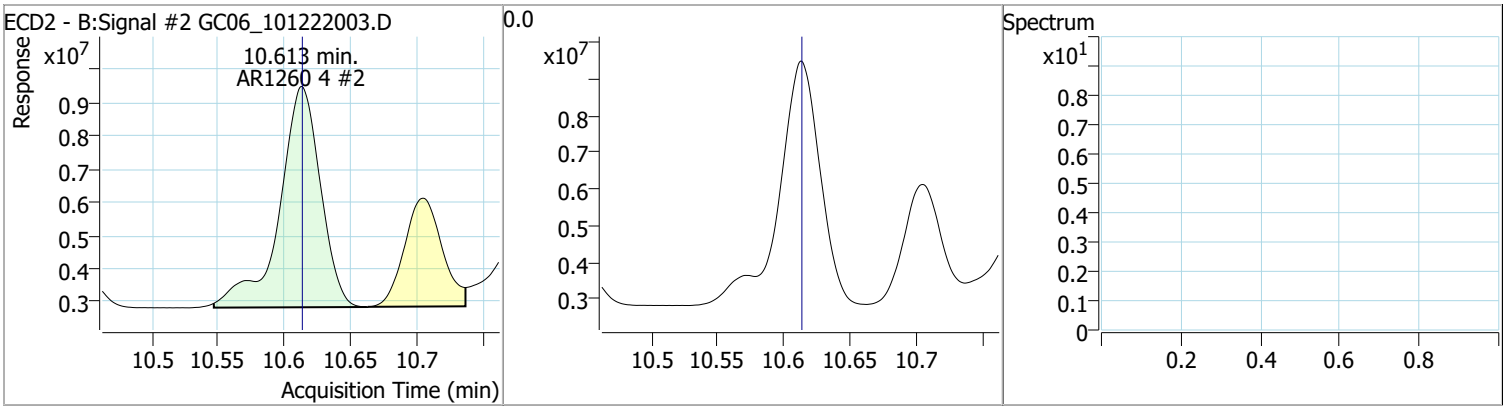
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	478.9415	10.05	0.00	21689525				



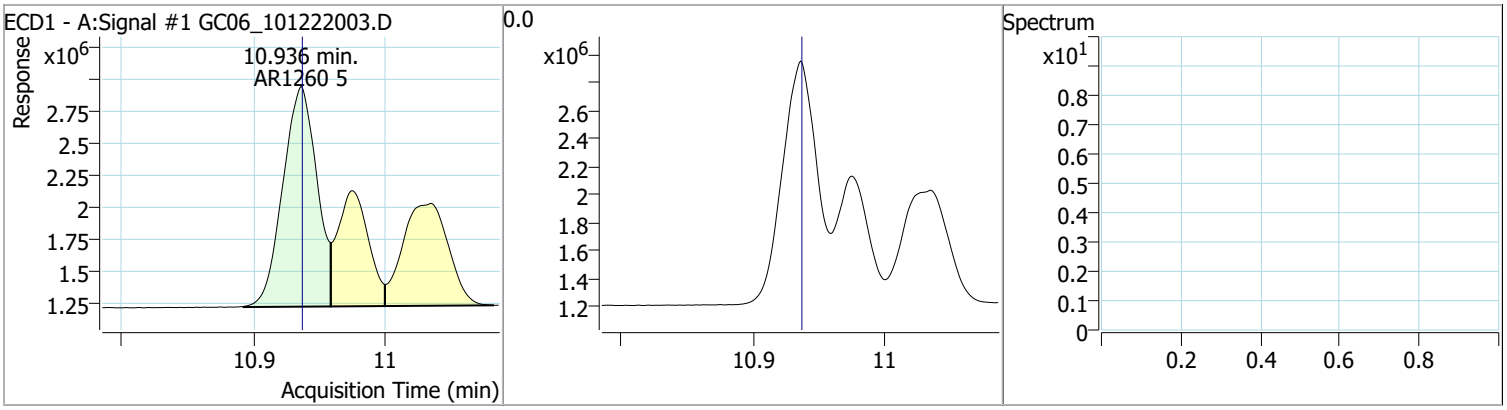
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	503.3175	10.12	0.00	2548263				



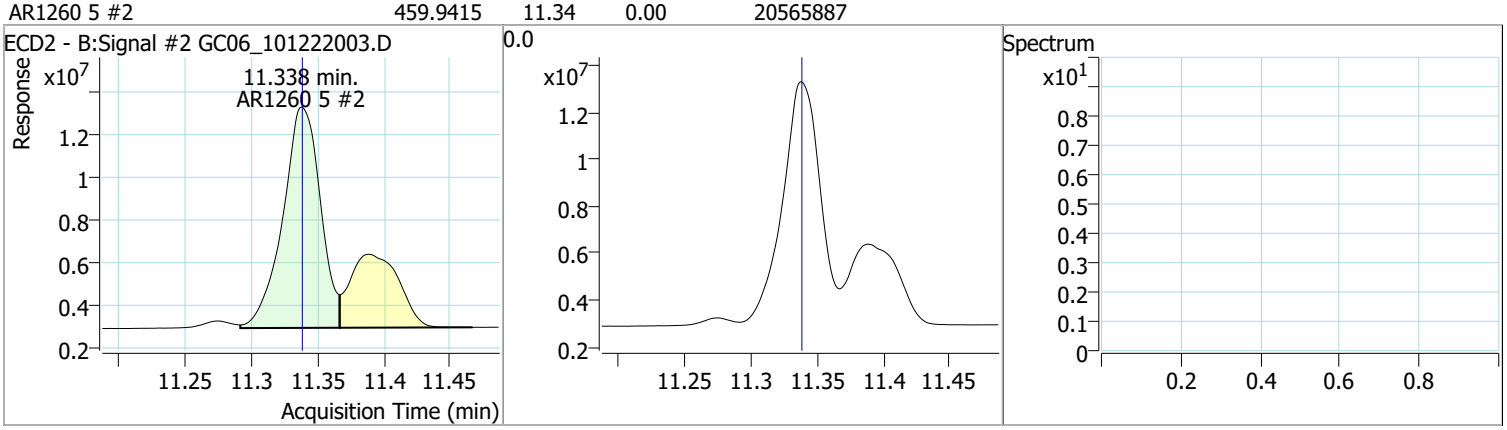
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	480.5759	10.61	0.00	14403906				



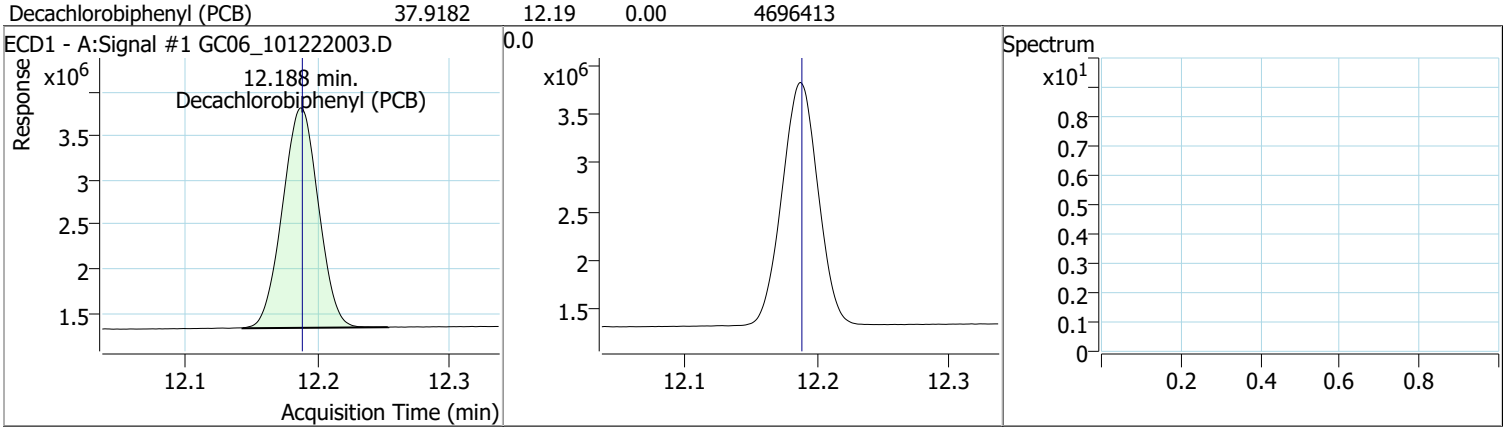
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	493.6476	10.94	0.00	3094461				



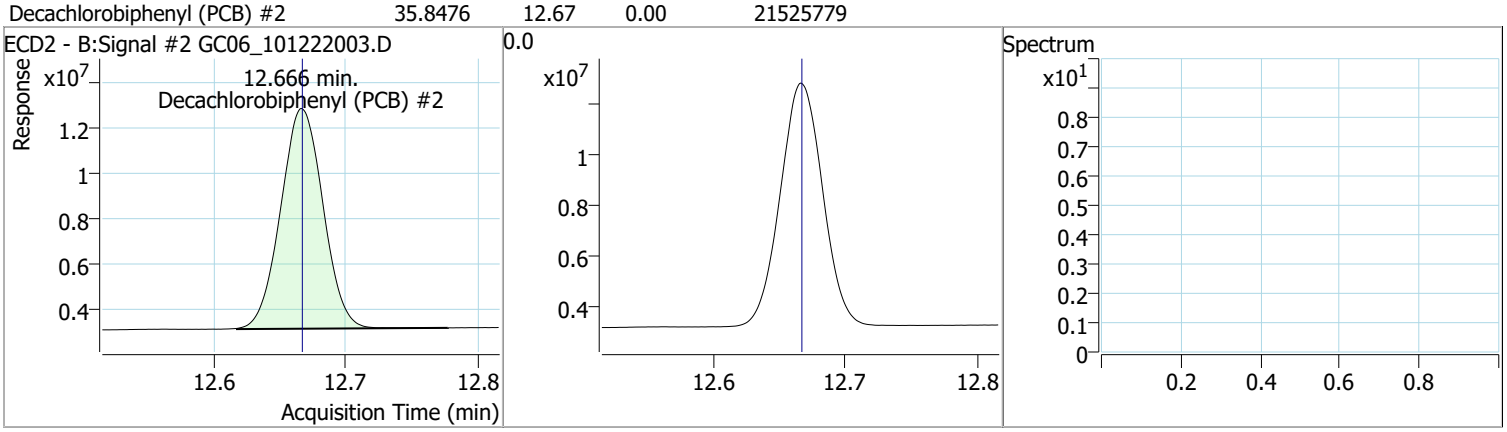
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	459.9415	11.34	0.00	20565887				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.9182	12.19	0.00	4696413				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	35.8476	12.67	0.00	21525779				



Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number: 470460
Report Level: IV
Report Date: 01/24/2023

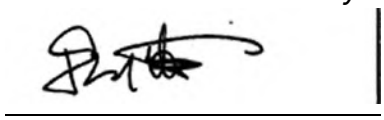
Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	470460
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/10/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-L-LA	470460-003	10/08/22 08:15	Wipe
ARCH-C2W-EXT-1 TO 2-221008-L-WF	470460-005	10/08/22 07:40	Wipe
ARCH-C2W-DG-1.5 TO 2-221008-L-FB	470460-007	10/08/22 07:55	Wipe
ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-L-LA	470460-009	10/08/22 08:06	Wipe
ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008-L-LA	470460-011	10/08/22 09:00	Wipe
ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-L-LA	470460-013	10/08/22 08:48	Wipe

ENTHALPY ANALYTICAL

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 470460 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/10/22

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 10/11/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

470460

JG

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	T. Sinnott + D. Welsh

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-P- LA	10/8/2022	0815	WP	1		X			Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 2 Enclosure B/C
2	ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008 -P-DUP- LA	10/8/2022	0815	WP	1		X			
3	ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-L- LA	10/8/2022	0815	WP	1			X		
4	ARCH-C2W-EXT-1 TO 2-221008-P- WF	10/8/2022	0740	WP	1		X			
5	ARCH-C2W-EXT-1 TO 2-221008-L- WF	10/8/2022	0740	WP	1			X		
6	ARCH-C2W-DG-1.5 TO 2-221008-P- FB	10/8/2022	0755	WP	1		X			
7	ARCH-C2W-DG-1.5 TO 2-221008-L- FB	10/8/2022	0755	WP	1			X		
8	ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-P- LA	10/8/2022	0806	WP	1		X			
9	ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-L- LA	10/8/2022	0806	WP	1			X		
10	ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008 -P- LA	10/8/2022	0900	WP	1		X			
11	ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008-L- LA	10/8/2022	0900	WP	1			X		2x Rivet Type 2 = 0.0200 ft²
12	ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008 -P- LA	10/8/2022	0848	WP	1		X			
13	ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-L- LA	10/8/2022	0848	WP	1			X		2x Rivet Type 2 = 0.0200 ft²
14										
15										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TSinnott	Tyler Sinnott	Rincon / Envi. Scientist	10/10/22 / 1210
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/10/22 12:10
2 Relinquished By:	Audrey Hudson	" "	" "	10/10/22 13:48
2 Received By:		Marcus Millan	EA	10/10/22 13:48
3 Relinquished By:		Marcus Millan	EA	10/10/22 15:33
3 Received By:		Elizabeth Hamm	EA	10/11/22 13:00

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 470460 Client: Ron con

Date Received: 10/10/22 Project: _____

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 10/10/22 By (print) MM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 7.5, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 10/10/22 **By (print)** MM (sign) _____

Date Labeled 10/10/22 **By (print)** MM (sign) _____

470460

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Ricon Berkeley Project: Hangar 1 NTCRA

Date Received: 10/11/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 4.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?	✔		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: OCT 11 2022

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 557946887 **PDS**

ORANGE

S10003H

73162559

ORC CA927-EH0

Print Date: 10/10/2022 10:29 AM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

13:28 4.2/1.2
#2

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 470460 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-L-LA **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470460-003 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470460-003 Analyte	Result	RL	Units
Lead	**210**	0.54	ug/ft2

Field ID: ARCH-C2W-EXT-1 TO 2-221008-L-WF **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470460-005 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470460-005 Analyte	Result	RL	Units
Lead	**290**	0.54	ug/ft2

Field ID: ARCH-C2W-DG-1.5 TO 2-221008-L-FB **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470460-007 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470460-007 Analyte	Result	RL	Units
Lead	**130**	0.54	ug/ft2

Field ID: ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-L-LA **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470460-009 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470460-009 Analyte	Result	RL	Units
Lead	**170**	0.54	ug/ft2

Field ID: ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008-L-LA **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470460-011 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470460-011 Analyte	Result	RL	Units
Lead	**190**	0.53	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 470460 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-L-LA **Batch#:** 298738 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B

Lab ID: 470460-013 **Received:** 10/10/22 **Analyst:** SBW

Matrix: Wipe **Prepared:** 10/12/22

Dil n Fac: 1.000 **Analyzed:** 10/12/22

470460-013 Analyte	Result	RL	Units
Lead	**130**	0.53	ug/ft2

Type: BLANK **Batch#:** 298738 **Analysis:** EPA 6010B

Lab ID: QC1018350 **Prepared:** 10/12/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/12/22

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1018350 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 470460 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298738 **Analysis:** EPA 6010B

Lab ID: QC1018351 **Prepared:** 10/12/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/12/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1018351 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	110.2	110	80-120	ug/ft2

Type: BSD **Batch#:** 298738 **Analysis:** EPA 6010B

Lab ID: QC1018352 **Prepared:** 10/12/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/12/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1018352 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	111.2	111	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 470460 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
470460-003	MET09	10/12/22 12:40	1.0	+	
470460-005	MET09	10/12/22 12:43	1.0	+	
470460-007	MET09	10/12/22 12:46	1.0	+	
470460-009	MET09	10/12/22 12:50	1.0	+	
470460-011	MET09	10/12/22 12:53	1.0	+	
470460-013	MET09	10/12/22 12:56	1.0	+	
QC1018350	MET09	10/12/22 12:23	1.0		
QC1018350	MET06	10/12/22 13:53	1.0	+	
QC1018351	MET09	10/12/22 12:33	1.0	+	
QC1018352	MET09	10/12/22 12:36	1.0	+	

Enthalpy Sequence Summary for Sequence 672410953

Instrument : MET09 Begun : 10/12/22 09:13
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				10/12/22 09:13	1.0		
002	icp data	ICAL	L1			10/12/22 09:16	1.0	1	
003	icp data	ICAL	L2			10/12/22 09:20	1.0	2	
004	icp data	ICAL	L3			10/12/22 09:23	1.0	2	
005	icp data	ICAL	L4			10/12/22 09:26	1.0	3	
006	icp data	ICAL	L5			10/12/22 09:30	1.0	4	
007	icp data	ICAL	L6			10/12/22 09:33	1.0	4	
008	icp data	ICAL	L7			10/12/22 09:36	1.0	5	
009	icp data	ICAL	L8			10/12/22 09:40	1.0	6	
010	icp data	ICAL	L9			10/12/22 09:43	1.0	7	
011	icp data	ICAL	L10			10/12/22 09:46	1.0	8	
012	icp data	ICV				10/12/22 09:50	1.0	9	
013	icp data	ICB				10/12/22 09:53	1.0		
014	icp data	CRI				10/12/22 09:57	1.0	10	
015	icp data	ICSA				10/12/22 11:01	1.0	11	8:MGASMGCO3=1400
016	icp data	ICSAB				10/12/22 11:04	1.0	12	8:MGASMGCO3=1400
017	icp data	SAMPLE	470343-001	Water	298566	10/12/22 11:08	50.0		2:NA=540
018	icp data	SAMPLE	470343-007	Water	298566	10/12/22 11:11	50.0		2:NA=430
019	icp data	SAMPLE	470343-008	Water	298566	10/12/22 11:14	50.0		2:NA=430
020	icp data	SAMPLE	470343-009	Water	298566	10/12/22 11:18	100.0		1:SULFUR=120
021	icp data	SAMPLE	470343-010	Water	298566	10/12/22 11:21	100.0		1:SULFUR=120
022	icp data	CCV				10/12/22 11:24	1.0	9	
023	icp data	CCB				10/12/22 11:28	1.0		
024	icp data	BLANK	QC1018353	Wipe	298739	10/12/22 12:09	1.0		
025	icp data	BS	QC1018354	Wipe	298739	10/12/22 12:13	1.0		
026	icp data	BSD	QC1018355	Wipe	298739	10/12/22 12:16	1.0		
027	icp data	SAMPLE	470473-029	Wipe	298739	10/12/22 12:19	1.0		
028	icp data	BLANK	QC1018350	Wipe	298738	10/12/22 12:23	1.0		
029	icp data	CCV				10/12/22 12:26	1.0	9	
030	icp data	CCB				10/12/22 12:29	1.0		
031	icp data	BS	QC1018351	Wipe	298738	10/12/22 12:33	1.0		
032	icp data	BSD	QC1018352	Wipe	298738	10/12/22 12:36	1.0		
033	icp data	SAMPLE	470460-003	Wipe	298738	10/12/22 12:40	1.0		1:FE=74
034	icp data	SAMPLE	470460-005	Wipe	298738	10/12/22 12:43	1.0		1:FE=31
035	icp data	SAMPLE	470460-007	Wipe	298738	10/12/22 12:46	1.0		1:FE=40
036	icp data	SAMPLE	470460-009	Wipe	298738	10/12/22 12:50	1.0		1:FE=35
037	icp data	SAMPLE	470460-011	Wipe	298738	10/12/22 12:53	1.0		1:FE=31
038	icp data	SAMPLE	470460-013	Wipe	298738	10/12/22 12:56	1.0		
039	icp data	SAMPLE	470473-002	Wipe	298738	10/12/22 13:00	1.0		1:FE=43
040	icp data	SAMPLE	470473-004	Wipe	298738	10/12/22 13:03	1.0		1:FE=46
041	icp data	CCV				10/12/22 13:07	1.0	9	
042	icp data	CCB				10/12/22 13:10	1.0		
043	icp data	SAMPLE	470473-006	Wipe	298738	10/12/22 13:13	1.0		1:FE=52
044	icp data	SAMPLE	470473-008	Wipe	298738	10/12/22 13:17	1.0		1:FE=40
045	icp data	SAMPLE	470473-010	Wipe	298738	10/12/22 13:20	1.0		1:FE=44
046	icp data	SAMPLE	470473-012	Wipe	298738	10/12/22 13:23	1.0		
047	icp data	SAMPLE	470473-013	Wipe	298738	10/12/22 13:27	1.0		1:FE=24
048	icp data	SAMPLE	470473-015	Wipe	298738	10/12/22 13:30	1.0		1:FE=69
049	icp data	SAMPLE	470473-017	Wipe	298738	10/12/22 13:33	1.0		1:FE=43
050	icp data	SAMPLE	470473-018	Wipe	298738	10/12/22 13:37	1.0		1:FE=56
051	icp data	SAMPLE	470473-020	Wipe	298738	10/12/22 13:40	1.0		1:FE=36
052	icp data	SAMPLE	470473-022	Wipe	298738	10/12/22 13:44	1.0		1:FE=26

Enthalpy Sequence Summary for Sequence 672410953

Instrument : MET09 Begun : 10/12/22 09:13
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	icp data	CCV				10/12/22 13:47	1.0	9	
054	icp data	CCB				10/12/22 13:50	1.0		
055	icp data	SAMPLE	470473-024	Wipe	298738	10/12/22 13:54	1.0		1:FE=34
056	icp data	SAMPLE	470473-027	Wipe	298738	10/12/22 13:57	1.0		1:FE=56
057	icp data	CCV				10/12/22 14:00	1.0	9	
058	icp data	CCB				10/12/22 14:04	1.0		

Standards used: 1=S17110 2=S17109 3=S17108 4=S17107 5=S17316 6=S17115 7=S17113 8=S17048 9=S17413 10=S17318 11=S17207 12=S17208

Enthalpy Internal Standard Summary for Sequence 672410953

Date : 10/12/22 Reference : icp data
Sequence : MET09 10/12/22 Analyzed : 10/12/22 09:13

#	Type	Sample ID	Y A	Y R
		ICALBLK STD	871200	200193
		LOWER LIMIT	261360	60058
		UPPER LIMIT	1742400	400387
013	ICB		882917	203738
015	ICSA		808254	187825
016	ICSAB		810031	188673
017	SAMPLE	470343-001	886865	199737
018	SAMPLE	470343-007	887538	200804
019	SAMPLE	470343-008	885029	200461
020	SAMPLE	470343-009	899951	205861
021	SAMPLE	470343-010	901926	206146
022	CCV		848491	197175
023	CCB		885363	205991
024	BLANK	QC1018353	866227	203673
025	BS	QC1018354	859974	203092
026	BSD	QC1018355	858524	202970
027	SAMPLE	470473-029	847894	202243
028	BLANK	QC1018350	864519	203888
029	CCV		853677	198554
030	CCB		891031	207271
031	BS	QC1018351	853803	202672
032	BSD	QC1018352	856190	202010
033	SAMPLE	470460-003	852564	200568
034	SAMPLE	470460-005	853590	202978
035	SAMPLE	470460-007	851651	203711
036	SAMPLE	470460-009	853304	203462
037	SAMPLE	470460-011	855389	203936
038	SAMPLE	470460-013	851407	203730
039	SAMPLE	470473-002	861332	205474
040	SAMPLE	470473-004	858041	203843
041	CCV		851749	199175
042	CCB		892687	207957
043	SAMPLE	470473-006	863496	203301
044	SAMPLE	470473-008	849997	201977
045	SAMPLE	470473-010	859073	204608
046	SAMPLE	470473-012	858875	204746
047	SAMPLE	470473-013	861474	204027
048	SAMPLE	470473-015	851773	204143
049	SAMPLE	470473-017	849900	202032
050	SAMPLE	470473-018	862145	204602
051	SAMPLE	470473-020	861076	205694
052	SAMPLE	470473-022	847399	202418
053	CCV		857027	199091
054	CCB		892859	209653
055	SAMPLE	470473-024	849628	203383
056	SAMPLE	470473-027	859828	205261
057	CCV		857613	200077
058	CCB		893976	209334

ENTHALPY INITIAL CALIBRATION FOR 470460 METALS Wipe: EPA 6010B

Instrument:	MET09		
Calibration #:	672410953001	Date:	12-OCT-2022 09:13
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	672410953002	L1	12-OCT-2022 09:16	S17110
L2	icp data	672410953003	L2	12-OCT-2022 09:20	S17109 (10X)
L3	icp data	672410953004	L3	12-OCT-2022 09:23	S17109
L4	icp data	672410953005	L4	12-OCT-2022 09:26	S17108
L5	icp data	672410953006	L5	12-OCT-2022 09:30	S17107 (2X)
L6	icp data	672410953007	L6	12-OCT-2022 09:33	S17107

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	-0.0024	8.66E-5		13325	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	19346	13769	12022	11708	11568	11538

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-4	0.0100	-4	0.1000	2	1.0000	1	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09
Calnum : 672410953001 Cal Date : 12-OCT-2022

ICV 672410953012 (12-OCT-2022) stds: S17413

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9776	mg/L	-2	

ENTHALPY INSTRUMENT BLANK FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672410953013 File : icp data Time : 12-OCT-2022 09:53
Cal : 672410953001 Caldate : 12-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	871200	882917	1.34
Yttrium	R	200193	203738	1.77

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672410953015 File : icp data Time : 12-OCT-2022 11:01
Cal : 672410953001 Caldate : 12-OCT-2022
Standards: S17207

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.004081	0.003333	mg/L	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	378.3	mg/L	95	
Aluminum as Al2O3	A	755.8	714.8	mg/L	95	
Iron	A	160.0	141.7	mg/L	89	
Iron as Fe2O3	A	228.8	202.5	mg/L	89	
Calcium	R	400.0	389.5	mg/L	97	
Calcium as CaCO3	R	998.9	972.6	mg/L	97	
Magnesium	R	400.0	401.0	mg/L	100	
Magnesium as MgCO3	R	1388	1391	mg/L	100	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	871200	808254	-7.23
Yttrium	R	200193	187825	-6.18

!=warning +=high bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672410953016 File : icp data Time : 12-OCT-2022 11:04
Cal : 672410953001 Caldate : 12-OCT-2022
Standards: S17208

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9655	mg/L	-3	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	871200	810031	-7.02
Yttrium	R	200193	188673	-5.75

ENTHALPY CONTINUING CALIBRATION FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672410953029 File : icp data Time : 12-OCT-2022 12:26
Cal : 672410953001 Caldate : 12-OCT-2022
Standards: S17413

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	13325	11449	1.000	0.9886	mg/L	-1	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	871200	853677	-2.01
Yttrium	R	200193	198554	-0.82

ENTHALPY INSTRUMENT BLANK FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672410953030 File : icp data Time : 12-OCT-2022 12:29
Cal : 672410953001 Caldate : 12-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	871200	891031	2.28
Yttrium	R	200193	207271	3.54

ENTHALPY CONTINUING CALIBRATION FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672410953041 File : icp data Time : 12-OCT-2022 13:07
Cal : 672410953001 Caldate : 12-OCT-2022
Standards: S17413

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	13325	11538	1.000	0.9963	mg/L	0	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	871200	851749	-2.23
Yttrium	R	200193	199175	-0.51

ENTHALPY INSTRUMENT BLANK FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672410953042 File : icp data Time : 12-OCT-2022 13:10
Cal : 672410953001 Caldate : 12-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	871200	892687	2.47
Yttrium	R	200193	207957	3.88

Enthalpy Sequence Summary for Sequence 482410953

Instrument : MET06 Begun : 10/12/22 09:13
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			10/12/22 09:13	1.0	1	
002	met06_master	ICAL	L1			10/12/22 09:16	1.0	2 1	
003	met06_master	ICAL	L2			10/12/22 09:20	1.0	3 1	
004	met06_master	ICAL	L3			10/12/22 09:23	1.0	4 1	
005	met06_master	ICAL	L4			10/12/22 09:26	1.0	5 1	
006	met06_master	ICAL	L5			10/12/22 09:29	1.0	6 1	
007	met06_master	ICAL	L6			10/12/22 09:33	1.0	7 1	
008	met06_master	ICAL	L7			10/12/22 09:36	1.0	8 1	
009	met06_master	ICAL	L8			10/12/22 09:39	1.0	9 1	
010	met06_master	ICV				10/12/22 09:43	1.0	10 1	
011	met06_master	CRI				10/12/22 09:46	1.0	11 1	
012	met06_master	ICB				10/12/22 09:49	1.0	1	
013	met06_master	ICSA				10/12/22 09:53	1.0	12 1	4:MGASMGCO3=1400
014	met06_master	ICSAB				10/12/22 09:56	1.0	13 1	4:MGASMGCO3=1400
015	met06_master	XBLANK	QC1018121	Soil	298655	10/12/22 10:06	1.0	1	1:MGASMGCO3=730
016	met06_master	XBLANK	QC1018151	Water	298680	10/12/22 10:08	1.0	1	3:MGASMGCO3=2200
017	met06_master	XBLANK	QC1017816	Water	298566	10/12/22 10:11	1.0	1	2:MGASMGCO3=1000
018	met06_master	XLCS	QC1018152	Water	298680	10/12/22 10:13	1.0	1	1:MGASMGCO3=1100
019	met06_master	XSAMPLE	470307-002	Water	298680	10/12/22 10:16	1.0	1	1:P=12
020	met06_master	XMSS	470316-001	Water	298680	10/12/22 10:18	1.0	1	2:MGASMGCO3=2600
021	met06_master	XMS	QC1018153	Water	298680	10/12/22 10:21	1.0	1	1:MGASMGCO3=1100
022	met06_master	XMSD	QC1018154	Water	298680	10/12/22 10:23	1.0	1	1:MGASMGCO3=900
023	met06_master	XSAMPLE	470466-001	Water	298680	10/12/22 10:26	1.0	1	
024	met06_master	CCV				10/12/22 10:34	1.0	10 1	
025	met06_master	CCB				10/12/22 10:38	1.0	1	
026	met06_master	BLANK	QC1018121	Soil	298655	10/12/22 10:41	1.0	1	
027	met06_master	BLANK	QC1018151	Water	298680	10/12/22 10:44	1.0	1	
028	met06_master	BLANK	QC1017816	Water	298566	10/12/22 10:47	1.0	1	
029	met06_master	LCS	QC1018152	Water	298680	10/12/22 10:51	1.0	1	
030	met06_master	SAMPLE	470307-002	Water	298680	10/12/22 10:54	1.0	1	
031	met06_master	MSS	470316-001	Water	298680	10/12/22 10:57	1.0	1	
032	met06_master	MS	QC1018153	Water	298680	10/12/22 11:00	1.0	1	
033	met06_master	MSD	QC1018154	Water	298680	10/12/22 11:04	1.0	1	
034	met06_master	SAMPLE	470466-001	Water	298680	10/12/22 11:07	1.0	1	1:SULFUR=430
035	met06_master	SAMPLE	470098-020	Soil	298573	10/12/22 11:10	1.0	1	1:FE=200
036	met06_master	CCV				10/12/22 11:14	1.0	10 1	
037	met06_master	CCB				10/12/22 11:17	1.0	1	
038	met06_master	BLANK	QC1018398	Drinking Water	298753	10/12/22 11:20	1.0	1	
039	met06_master	LCS	QC1018399	Drinking Water	298753	10/12/22 11:23	1.0	1	
040	met06_master	MSS	470405-001	Drinking Water	298753	10/12/22 11:27	1.0	1	
041	met06_master	MS	QC1018402	Drinking Water	298753	10/12/22 11:30	1.0	1	
042	met06_master	MSD	QC1018403	Drinking Water	298753	10/12/22 11:33	1.0	1	
043	met06_master	SAMPLE	470454-001	Drinking Water	298753	10/12/22 11:36	1.0	1	
044	met06_master	SAMPLE	470485-001	Drinking Water	298753	10/12/22 11:40	1.0	1	
045	met06_master	SAMPLE	470487-001	Drinking Water	298753	10/12/22 11:43	1.0	1	
046	met06_master	SAMPLE	470490-001	Drinking Water	298753	10/12/22 11:46	1.0	1	
047	met06_master	SAMPLE	470498-001	Drinking Water	298753	10/12/22 11:49	1.0	1	
048	met06_master	CCV				10/12/22 11:53	1.0	10 1	
049	met06_master	CCB				10/12/22 11:56	1.0	1	
050	met06_master	SAMPLE	470498-002	Drinking Water	298753	10/12/22 11:59	1.0	1	
051	met06_master	SAMPLE	470498-003	Drinking Water	298753	10/12/22 12:02	1.0	1	
052	met06_master	SAMPLE	470498-004	Drinking Water	298753	10/12/22 12:06	1.0	1	

Enthalpy Sequence Summary for Sequence 482410953

Instrument : MET06 Begun : 10/12/22 09:13
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	470564-001	Drinking Water	298753	10/12/22 12:09	1.0	1	
054	met06_master	BLANK	QC1017996	Soil	298619	10/12/22 12:12	1.0	1	
055	met06_master	LCS	QC1017997	Soil	298619	10/12/22 12:15	1.0	1	
056	met06_master	MSS	470443-001	Soil	298619	10/12/22 12:19	1.0	1	5:CAASCACO3=2600
057	met06_master	MS	QC1017998	Soil	298619	10/12/22 12:22	1.0	1	4:CAASCACO3=2400
058	met06_master	MSD	QC1017999	Soil	298619	10/12/22 12:25	1.0	1	4:CAASCACO3=2200
059	met06_master	PDS	QC1018000	Soil	298619	10/12/22 12:28	1.0	1	2:CA=1000
060	met06_master	CCV				10/12/22 12:32	1.0	10 1	
061	met06_master	CCB				10/12/22 12:36	1.0	1	
062	met06_master	SAMPLE	470474-003	TCLP Leachate	298690	10/12/22 12:39	10.0	1	
063	met06_master	SAMPLE	470469-001	Sea Water	298680	10/12/22 12:43	1.0	1	1:SULFUR=520
064	met06_master	CCV				10/12/22 12:46	1.0	10 1	
065	met06_master	CCB				10/12/22 12:49	1.0	1	
066	met06_master	BLANK	QC1018447	Filtrate	298773	10/12/22 13:00	1.0	1	
067	met06_master	LCS	QC1018448	Filtrate	298773	10/12/22 13:04	1.0	1	
068	met06_master	MSS	470503-001	Filtrate	298773	10/12/22 13:07	1.0	1	2:CAASCACO3=1500
069	met06_master	MS	QC1018449	Filtrate	298773	10/12/22 13:10	1.0	1	2:CAASCACO3=1500
070	met06_master	MSD	QC1018450	Filtrate	298773	10/12/22 13:13	1.0	1	2:CAASCACO3=1500
071	met06_master	SAMPLE	470503-002	Filtrate	298773	10/12/22 13:17	1.0	1	1:SULFUR=910
072	met06_master	SAMPLE	470503-003	Filtrate	298773	10/12/22 13:20	1.0	1	1:SULFUR=560
073	met06_master	SAMPLE	470503-004	Filtrate	298773	10/12/22 13:23	1.0	1	1:SULFUR=1200
074	met06_master	SAMPLE	470503-005	Filtrate	298773	10/12/22 13:26	1.0	1	1:SULFUR=250
075	met06_master	SAMPLE	470503-006	Filtrate	298773	10/12/22 13:30	1.0	1	2:SULFUR=1200
076	met06_master	CCV				10/12/22 13:33	1.0	10 1	
077	met06_master	CCB				10/12/22 13:36	1.0	1	
078	met06_master	SAMPLE	470503-007	Filtrate	298773	10/12/22 13:39	1.0	1	1:SULFUR=910
079	met06_master	SAMPLE	470503-009	Filtrate	298773	10/12/22 13:43	1.0	1	
080	met06_master	SAMPLE	470503-010	Filtrate	298773	10/12/22 13:46	1.0	1	
081	met06_master	SAMPLE	470503-011	Filtrate	298773	10/12/22 13:49	1.0	1	1:SULFUR=230
082	met06_master	BLANK	QC1018350	Wipe	298738	10/12/22 13:53	1.0	1	
083	met06_master	BLANK	QC1018353	Wipe	298739	10/12/22 13:56	1.0	1	
084	met06_master	CCV				10/12/22 14:00	1.0	10 1	
085	met06_master	CCB				10/12/22 14:03	1.0	1	
086	met06_master	BLANK	QC1018396	Water	298752	10/12/22 14:06	1.0	1	
087	met06_master	LCS	QC1018397	Water	298752	10/12/22 14:09	1.0	1	
088	met06_master	SAMPLE	470224-001	Water	298752	10/12/22 14:13	1.0	1	3:NA=2500
089	met06_master	MSS	470513-001	Water	298752	10/12/22 14:16	1.0	1	
090	met06_master	MS	QC1018400	Water	298752	10/12/22 14:19	1.0	1	
091	met06_master	MSD	QC1018401	Water	298752	10/12/22 14:22	1.0	1	
092	met06_master	SAMPLE	470513-002	Water	298752	10/12/22 14:26	1.0	1	
093	met06_master	SAMPLE	470513-003	Water	298752	10/12/22 14:29	1.0	1	
094	met06_master	SAMPLE	470513-005	Water	298752	10/12/22 14:32	1.0	1	
095	met06_master	SAMPLE	470513-007	Water	298752	10/12/22 14:35	1.0	1	
096	met06_master	CCV				10/12/22 14:39	1.0	10 1	
097	met06_master	CCB				10/12/22 14:42	1.0	1	
098	met06_master	SAMPLE	470528-001	Water	298752	10/12/22 14:45	1.0	1	
099	met06_master	CCV				10/12/22 14:48	1.0	10 1	
100	met06_master	CCB				10/12/22 14:52	1.0	1	
101	met06_master	BLANK	QC1017949	WET Leachate	298610	10/12/22 15:13	1.0	1	
102	met06_master	BS	QC1017950	WET Leachate	298610	10/12/22 15:16	1.0	1	

Enthalpy Sequence Summary for Sequence 482410953

Instrument : MET06 Begun : 10/12/22 09:13
Method : EPA 6010B

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S17316 7=S17115 8=S17113 9=S17048 10=S17366 11=S17318 12=S17207 13=S17208

Enthalpy Internal Standard Summary for Sequence 482410953

Date : 10/12/22 Reference : met06_master
Sequence : MET06 10/12/22 Analyzed : 10/12/22 09:13

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	29500400	1431710	329409
		LOWER LIMIT	8850120	429513	98823
		UPPER LIMIT	59000800	2863420	658818
012	ICB		28731300	1418880	313230
013	ICSA		24560500	1280530	285772
014	ICSAB		24659400	1285270	287717
024	CCV		25696700	1311140	318908
025	CCB		28550700	1354160	332431
026	BLANK	QC1018121	29028100	1381180	335324
027	BLANK	QC1018151	29821100	1431360	333824
028	BLANK	QC1017816	28524600	1361650	325988
029	LCS	QC1018152	28545000	1386580	320350
030	SAMPLE	470307-002	28684000	1407340	322446
031	MSS	470316-001	28127000	1365280	321853
032	MS	QC1018153	27980800	1364840	322210
033	MSD	QC1018154	27823100	1364330	318730
034	SAMPLE	470466-001	24251800	1288570	282782
035	SAMPLE	470098-020	26651600	1386220	296601
036	CCV		26172700	1367920	295214
037	CCB		29073000	1438950	312438
038	BLANK	QC1018398	29384500	1441760	313893
039	LCS	QC1018399	27984200	1393500	305802
040	MSS	470405-001	29078300	1457150	315055
041	MS	QC1018402	28673500	1438770	311604
042	MSD	QC1018403	28435500	1415110	309972
043	SAMPLE	470454-001	30463600	1492910	323720
044	SAMPLE	470485-001	29072800	1458840	315857
045	SAMPLE	470487-001	29128800	1454610	310577
046	SAMPLE	470490-001	29154500	1446930	312672
047	SAMPLE	470498-001	28204700	1430960	310378
048	CCV		26040000	1376050	293146
049	CCB		28899200	1430790	308180
050	SAMPLE	470498-002	30610200	1517090	324516
051	SAMPLE	470498-003	28267800	1433820	308209
052	SAMPLE	470498-004	30402600	1510580	317057
053	SAMPLE	470564-001	28974900	1454010	311635
054	BLANK	QC1017996	29217700	1425570	311854
055	LCS	QC1017997	28458700	1402420	307113
056	MSS	470443-001	24967000	1308370	287902
057	MS	QC1017998	25185600	1321960	287543
058	MSD	QC1017999	25281300	1333950	288430
060	CCV		26965500	1406380	292608
061	CCB		29934900	1476450	315039
062	SAMPLE	470474-003	28832200	1471220	314254
063	SAMPLE	470469-001	25791800	1381480	298899
064	CCV		27026200	1375800	300086
065	CCB		30226700	1496590	319542
066	BLANK	QC1018447	31002100	1526570	318287
067	LCS	QC1018448	28679500	1439010	304086
068	MSS	470503-001	28230500	1425040	317632
069	MS	QC1018449	28290600	1390630	311834

Enthalpy Internal Standard Summary for Sequence 482410953

Date : 10/12/22 Reference : met06_master
Sequence : MET06 10/12/22 Analyzed : 10/12/22 09:13

#	Type	Sample ID	Y H	Y A	Y R
070	MSD	QC1018450	26273600	1394700	309013
071	SAMPLE	470503-002	24591800	1295880	259672
072	SAMPLE	470503-003	26024000	1379620	272281
073	SAMPLE	470503-004	23269200	1283090	291634
074	SAMPLE	470503-005	26849300	1364370	286172
075	SAMPLE	470503-006	23893900	1227100	243980
076	CCV		24341000	1309040	249259
077	CCB		27358100	1360980	265161
078	SAMPLE	470503-007	21596400	1195910	232993
079	SAMPLE	470503-009	25874300	1382360	245034
080	SAMPLE	470503-010	26969000	1382970	259865
081	SAMPLE	470503-011	24469700	1317310	247188
082	BLANK	QC1018350	25895400	1362700	251986
083	BLANK	QC1018353	25468500	1357150	249610
084	CCV		23367100	1285910	237400
085	CCB		25994400	1383350	251904
086	BLANK	QC1018396	25863800	1367370	250199
087	LCS	QC1018397	24713200	1333300	244552
088	SAMPLE	470224-001	19322700	1150500	222022
089	MSS	470513-001	25279000	1345370	246273
090	MS	QC1018400	24878500	1335770	243354
091	MSD	QC1018401	24933300	1336550	246156
092	SAMPLE	470513-002	25077800	1354750	245975
093	SAMPLE	470513-003	24691000	1337650	246153
094	SAMPLE	470513-005	25368900	1371230	249426
095	SAMPLE	470513-007	25192500	1357330	245665
096	CCV		23888300	1305920	241496
097	CCB		26477800	1796980	377033
098	SAMPLE	470528-001	24440200	1322510	247771
099	CCV		23894000	1301840	241421
100	CCB		55272900	2787350	445520
101	BLANK	QC1017949	24946300	1354870	243919
102	BS	QC1017950	24803600	1365480	243859

ENTHALPY INITIAL CALIBRATION FOR 470460 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482410953001	Date:	12-OCT-2022 09:13
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482410953002	L1	12-OCT-2022 09:16	S17110, S13369 (100X)
L2	met06_master	482410953003	L2	12-OCT-2022 09:20	S17109, S13369 (100X)
L3	met06_master	482410953004	L3	12-OCT-2022 09:23	S17108, S13369 (100X)
L4	met06_master	482410953005	L4	12-OCT-2022 09:26	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0343	0.0379	0.0372	0.0349	WB1K	-0.0002	28.6578		0.0361	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	-9	0.1000	8	1.0000	7	10.000	0

SBW 10/12/22 : Sn Al std 1 out

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482410953001 Cal Date : 12-OCT-2022

ICV 482410953010 (12-OCT-2022) stds: S17366, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9504	mg/l	-5	

ENTHALPY INSTRUMENT BLANK FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482410953012 File : met06_master Time : 12-OCT-2022 09:49
Cal : 482410953001 Caldate : 12-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29500400	28731300	-2.61
Yttrium	A	1431710	1418880	-0.90
Yttrium	R	329409	313230	-4.91

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482410953013 File : met06_master Time : 12-OCT-2022 09:53
Cal : 482410953001 Caldate : 12-OCT-2022
Standards: S17207, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01090]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	132.3	mg/l	83	
Iron as Fe2O3	A	228.8	189.1	mg/l	83	
Aluminum	R	400.0	368.4	mg/l	92	
Aluminum as Al2O3	R	755.8	696.1	mg/l	92	
Calcium	R	400.0	396.4	mg/l	99	
Calcium as CaCO3	R	998.9	989.9	mg/l	99	
Magnesium	R	400.0	414.2	mg/l	104	
Magnesium as MgCO3	R	1388	1437	mg/l	104	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29500400	24560500	-16.75
Yttrium	A	1431710	1280530	-10.56
Yttrium	R	329409	285772	-13.25

-=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482410953014 File : met06_master Time : 12-OCT-2022 09:56
Cal : 482410953001 Caldate : 12-OCT-2022
Standards: S17208, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9277	mg/l	-7	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29500400	24659400	-16.41
Yttrium	A	1431710	1285270	-10.23
Yttrium	R	329409	287717	-12.66

ENTHALPY CONTINUING CALIBRATION FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482410953076 File : met06_master Time : 12-OCT-2022 13:33
Cal : 482410953001 Caldate : 12-OCT-2022
Standards: S17366, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0361	0.0329	1.000	0.9435	mg/l	-6	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29500400	24341000	-17.49
Yttrium	A	1431710	1309040	-8.57
Yttrium	R	329409	249259	-24.33

ENTHALPY INSTRUMENT BLANK FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482410953077 File : met06_master Time : 12-OCT-2022 13:36
Cal : 482410953001 Caldate : 12-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29500400	27358100	-7.26
Yttrium	A	1431710	1360980	-4.94
Yttrium	R	329409	265161	-19.50

ENTHALPY CONTINUING CALIBRATION FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482410953084 File : met06_master Time : 12-OCT-2022 14:00
Cal : 482410953001 Caldate : 12-OCT-2022
Standards: S17366, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0361	0.0330	1.000	0.9439	mg/l	-6	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29500400	23367100	-20.79
Yttrium	A	1431710	1285910	-10.18
Yttrium	R	329409	237400	-27.93

ENTHALPY INSTRUMENT BLANK FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482410953085 File : met06_master Time : 12-OCT-2022 14:03
Cal : 482410953001 Caldate : 12-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29500400	25994400	-11.88
Yttrium	A	1431710	1383350	-3.38
Yttrium	R	329409	251904	-23.53

SAMPLE PREPARATION SUMMARY

Batch # : 298738 Analysis : ICP
Started By : DLS Prep Date : 12-OCT-2022 08:20 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S16855 Spike #2 ID : S16906

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
470460-003		Wipe	1	100	1	100.0						6010	
470460-005		Wipe	1	100	1	100.0						6010	
470460-007		Wipe	1	100	1	100.0						6010	
470460-009		Wipe	1	100	1	100.0						6010	
470460-011		Wipe	1.02	100	1	98.04						6010	
470460-013		Wipe	1.02	100	1	98.04						6010	
470473-002		Wipe	1.02	100	1	98.04						6010	
470473-004		Wipe	1.02	100	1	98.04						6010	
470473-006		Wipe	1.02	100	1	98.04						6010	
470473-008		Wipe	1	100	1	100.0						6010	
470473-010		Wipe	1.02	100	1	98.04						6010	
470473-012		Wipe	1	100	1	100.0						6010	
470473-013		Wipe	1	100	1	100.0						6010	
470473-015		Wipe	1.0966	100	1	91.19						6010	
470473-017		Wipe	1	100	1	100.0						6010	
470473-018		Wipe	1	100	1	100.0						6010	
470473-020		Wipe	1	100	1	100.0						6010	
470473-022		Wipe	1	100	1	100.0						6010	
470473-024		Wipe	1.02	100	1	98.04						6010	
470473-027		Wipe	1.04	100	1	96.15						6010	
QC1018350	BLANK	Wipe	1	100	1	100.0						ICP	
QC1018351	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1018352	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: SBW Date: 10/12/22 Reviewer: _____ Date: _____

ICP Prep Log

Initials: DS Prep Method: 3050B / 3010A / 200.7 / STLC QC Batch #: 298138 Thermometer ID: 918825

Prep Start, Date/Time: 10/17/22 8:?? Prep End, Date/Time: 10/12/22 9:45 HotBlock Temperature, °C: 97

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	NA	NA	100	037422	
LCS	-----	-----	-----	↓	↓	↓	↓	
LCSD	—	—	—	↓	↓	↓	↓	
470460-3	A	NA	wipe	1 wipe	↓	↓	↓	
-5	A	↓	↓	↓	↓	↓	↓	
-7	A	↓	↓	↓	↓	↓	↓	
-9	A	↓	↓	↓	↓	↓	↓	
-11	A	↓	↓	↓	↓	↓	↓	
-13	A	↓	↓	↓	↓	↓	↓	
470473-2	A	↓	↓	↓	↓	↓	↓	
-4	A	↓	↓	↓	↓	↓	↓	
-6	A	↓	↓	↓	↓	↓	↓	
-8	A	↓	↓	↓	↓	↓	↓	
-10	A	↓	↓	↓	↓	↓	↓	
-12	A	↓	↓	↓	↓	↓	↓	
-13	A	↓	↓	↓	↓	↓	↓	
-15	A	↓	↓	↓	↓	↓	↓	
-17	A	↓	↓	↓	↓	↓	↓	
-18	A	↓	↓	↓	↓	↓	↓	
-20	A	↓	↓	↓	↓	↓	↓	
-22	A	↓	↓	↓	↓	↓	↓	
-24	A	↓	↓	↓	↓	↓	↓	
-27	A	↓	↓	↓	↓	↓	↓	
								DS 10/12/22
								DS 10/12/22

DS 10/12/22

Hydrochloric Acid ID: 10mV - 22160149

Nitric Acid ID: 10mV - 20220616?3

H_2O_2 ID: 3mL - 223401

LCS Spike ID: 1mL - 516956 / 516906

MS/MSD Spike ID: ↓

ICP Raw Data

Enthalpy Sequence Summary for Sequence 672410953

Instrument : MET09 Begun : 10/12/22 09:13
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				10/12/22 09:13	1.0		
002	icp data	ICAL	L1			10/12/22 09:16	1.0	1	
003	icp data	ICAL	L2			10/12/22 09:20	1.0	2	
004	icp data	ICAL	L3			10/12/22 09:23	1.0	2	
005	icp data	ICAL	L4			10/12/22 09:26	1.0	3	
006	icp data	ICAL	L5			10/12/22 09:30	1.0	4	
007	icp data	ICAL	L6			10/12/22 09:33	1.0	4	
008	icp data	ICAL	L7			10/12/22 09:36	1.0	5	
009	icp data	ICAL	L8			10/12/22 09:40	1.0	6	
010	icp data	ICAL	L9			10/12/22 09:43	1.0	7	
011	icp data	ICAL	L10			10/12/22 09:46	1.0	8	
012	icp data	ICV				10/12/22 09:50	1.0	9	
013	icp data	ICB				10/12/22 09:53	1.0		
014	icp data	CRI				10/12/22 09:57	1.0	10	
015	icp data	ICSA				10/12/22 11:01	1.0	11	8:MGASMGCO3=1400
016	icp data	ICSAB				10/12/22 11:04	1.0	12	8:MGASMGCO3=1400
017	icp data	SAMPLE	470343-001	Water	298566	10/12/22 11:08	50.0		2:NA=540
018	icp data	SAMPLE	470343-007	Water	298566	10/12/22 11:11	50.0		2:NA=430
019	icp data	SAMPLE	470343-008	Water	298566	10/12/22 11:14	50.0		2:NA=430
020	icp data	SAMPLE	470343-009	Water	298566	10/12/22 11:18	100.0		1:SULFUR=120
021	icp data	SAMPLE	470343-010	Water	298566	10/12/22 11:21	100.0		1:SULFUR=120
022	icp data	CCV				10/12/22 11:24	1.0	9	
023	icp data	CCB				10/12/22 11:28	1.0		
024	icp data	BLANK	QC1018353	Wipe	298739	10/12/22 12:09	1.0		
025	icp data	BS	QC1018354	Wipe	298739	10/12/22 12:13	1.0		
026	icp data	BSD	QC1018355	Wipe	298739	10/12/22 12:16	1.0		
027	icp data	SAMPLE	470473-029	Wipe	298739	10/12/22 12:19	1.0		
028	icp data	BLANK	QC1018350	Wipe	298738	10/12/22 12:23	1.0		
029	icp data	CCV				10/12/22 12:26	1.0	9	
030	icp data	CCB				10/12/22 12:29	1.0		
031	icp data	BS	QC1018351	Wipe	298738	10/12/22 12:33	1.0		
032	icp data	BSD	QC1018352	Wipe	298738	10/12/22 12:36	1.0		
033	icp data	SAMPLE	470460-003	Wipe	298738	10/12/22 12:40	1.0		1:FE=74
034	icp data	SAMPLE	470460-005	Wipe	298738	10/12/22 12:43	1.0		1:FE=31
035	icp data	SAMPLE	470460-007	Wipe	298738	10/12/22 12:46	1.0		1:FE=40
036	icp data	SAMPLE	470460-009	Wipe	298738	10/12/22 12:50	1.0		1:FE=35
037	icp data	SAMPLE	470460-011	Wipe	298738	10/12/22 12:53	1.0		1:FE=31
038	icp data	SAMPLE	470460-013	Wipe	298738	10/12/22 12:56	1.0		
039	icp data	SAMPLE	470473-002	Wipe	298738	10/12/22 13:00	1.0		1:FE=43
040	icp data	SAMPLE	470473-004	Wipe	298738	10/12/22 13:03	1.0		1:FE=46
041	icp data	CCV				10/12/22 13:07	1.0	9	
042	icp data	CCB				10/12/22 13:10	1.0		
043	icp data	SAMPLE	470473-006	Wipe	298738	10/12/22 13:13	1.0		1:FE=52
044	icp data	SAMPLE	470473-008	Wipe	298738	10/12/22 13:17	1.0		1:FE=40
045	icp data	SAMPLE	470473-010	Wipe	298738	10/12/22 13:20	1.0		1:FE=44
046	icp data	SAMPLE	470473-012	Wipe	298738	10/12/22 13:23	1.0		
047	icp data	SAMPLE	470473-013	Wipe	298738	10/12/22 13:27	1.0		1:FE=24
048	icp data	SAMPLE	470473-015	Wipe	298738	10/12/22 13:30	1.0		1:FE=69
049	icp data	SAMPLE	470473-017	Wipe	298738	10/12/22 13:33	1.0		1:FE=43
050	icp data	SAMPLE	470473-018	Wipe	298738	10/12/22 13:37	1.0		1:FE=56
051	icp data	SAMPLE	470473-020	Wipe	298738	10/12/22 13:40	1.0		1:FE=36
052	icp data	SAMPLE	470473-022	Wipe	298738	10/12/22 13:44	1.0		1:FE=26

Enthalpy Sequence Summary for Sequence 672410953

Instrument : MET09 Begun : 10/12/22 09:13
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	icp data	CCV				10/12/22 13:47	1.0	9	
054	icp data	CCB				10/12/22 13:50	1.0		
055	icp data	SAMPLE	470473-024	Wipe	298738	10/12/22 13:54	1.0		1:FE=34
056	icp data	SAMPLE	470473-027	Wipe	298738	10/12/22 13:57	1.0		1:FE=56
057	icp data	CCV				10/12/22 14:00	1.0	9	
058	icp data	CCB				10/12/22 14:04	1.0		

Standards used: 1=S17110 2=S17109 3=S17108 4=S17107 5=S17316 6=S17115 7=S17113 8=S17048 9=S17413 10=S17318 11=S17207 12=S17208

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 470460-003	Client ID	: ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-L-LA
Seqnum	: 672410953033	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 298738	Time	: 12-OCT-2022 12:40
Cal	: 672410953001	Caldate	: 12-OCT-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.127	210	**0.54**		**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	871200	852564	-2.14

u=use y=RL raised

Instrument ID: MET09

Label: 470460-003,298738 | Rack:Tube: 1:13 | Type: Sample
Date Time: 10/12/2022 12:40:04 PM | Weight: 1 | Volume: 1
Dilution: 1 | LIMSID: | Customer:
Customer Ref.: | Sample Date Time: | Sample Site:
Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	-0.00096292	mg/L	170.41716960	26.87700827	-0.00125769	-0.00085810	-0.00077297	145.99809977	179.10060828	186.15280076	u	u	u
Al 396.152	Al		2.09802136	mg/L	79360.89771588	2.75888946	2.03464546	2.11132570	2.14809294	77000.65315871	79856.37742885	81225.66256007			
As 188.980	As		0.05795730	mg/L	284.70771026	3.34887236	0.05571835	0.05916325	0.05899030	274.54727894	290.18035059	289.39550125			
B 249.678	B		0.00704280	mg/L	427.77163230	5.57901067	0.00733757	0.00659672	0.00719411	437.86297045	412.50032437	432.95160209			
Ba 230.424	Ba		0.01154212	mg/L	1298.42011493	2.31662248	0.01126923	0.01155350	0.01180364	1271.07158582	1299.56024680	1324.62851216			
Be 313.107	Be		0.00009146	mg/L	326.93946230	21.03361460	0.00009677	0.00010749	0.00007013	338.24940174	361.09812843	281.47085673			
Ca 317.933	Ca-R		6.86273767	mg/L	78084.86588313	1.47021431	6.75415892	6.88044581	6.95360827	76885.58250765	78280.45738291	79088.55775883			
Cd 214.439	Cd		0.00025178	mg/L	431.44602962	34.88365947	0.00015441	0.00027591	0.00032502	411.47199262	436.39557403	446.47052221			
Co 230.786	Co		0.00931197	mg/L	432.28306060	2.35744237	0.00941568	0.00946042	0.00905980	436.24923630	437.96046046	422.63948504			
Cr 267.716	Cr		0.03410996	mg/L	2197.61550901	2.49848891	0.03330139	0.03402848	0.03500001	2146.25900042	2192.44003834	2254.14748827			
Cu 324.754	Cu		0.43376126	mg/L	19058.65657409	2.97852203	0.41961034	0.43674628	0.44492715	18471.41767141	19182.53006288	19522.02198798			
Fe 259.940	Fe	o	74.11538594	mg/L	4346217.29413350	2.85114183	71.89782799	74.34259468	76.10573517	4216184.42731287	4359540.32942008	4462927.12566754	o	o	o
K 766.491	K-R		1.60707346	mg/L	2443.54521823	2.83458589	1.56457976	1.60147130	1.65516933	2382.02634517	2435.43487032	2513.17443919			
Li 670.783	Li-R		0.00112378	mg/L	140.86913219	10.09273167	0.00110332	0.00124604	0.00102198	138.64643389	154.15194666	129.80901603			
Mg 279.800	Mg-R		2.94357990	mg/L	6570.73427283	1.34988351	2.90070837	2.95085991	2.97917144	6476.76845783	6586.69058306	6648.74377762			
Mn 257.610	Mn		0.47126092	mg/L	218778.70260303	2.70685750	0.45695316	0.47538314	0.48144644	212140.06164547	220691.37040160	223504.67576204			
Mo 204.598	Mo		0.00254547	mg/L	52.84424147	50.21494938	0.00178725	0.00402123	0.00182794	43.99553690	70.06682693	44.47036057			
Na 589.592	Na-R		3.86917239	mg/L	41120.87177005	1.30558513	3.81674199	3.87324961	3.91752556	40597.41549698	41161.57810778	41603.62170538			
Ni 231.604	Ni		0.11682600	mg/L	2571.77765065	2.76451403	0.11334313	0.11741290	0.11972198	2495.45983332	2584.63786050	2635.23525814			
P 177.434	P		0.38828584	mg/L	59.82031375	3.44514083	0.37566722	0.38688012	0.40231018	57.93398441	59.61017561	61.91678123			
Pb 220.353	Pb		2.12701549	mg/L	24619.82350925	2.73314831	2.06265715	2.14266828	2.17572105	23876.11311800	24800.70352568	25182.65388406			
S 181.972	S		2.62858059	mg/L	3218.73519347	2.63407585	2.55178987	2.64770417	2.68624773	3131.31412227	3240.50610123	3284.38535693			
Sb 206.834	Sb		0.01734426	mg/L	61.63068170	23.66647130	0.01265261	0.02027360	0.01910656	40.77239154	74.65405722	69.46559634			
Se 196.026	Se		0.00452123	mg/L	31.07962754	90.57664376	0.00102642	0.00350998	0.00902730	18.27205362	27.37363530	47.59319371			
Si 251.611	Si		2.50021624	mg/L	20357.03438294	1.76293012	2.45514081	2.50228588	2.54322202	19992.04765773	20373.79279410	20705.26269700			
Sn 189.925	Sn		0.06455633	mg/L	761.11891603	4.19382714	0.06187399	0.06450692	0.06728808	730.07597125	760.54704598	792.73373085			
Sr 421.552	Sr-R		0.01058752	mg/L	4765.73902248	2.18901978	0.01036821	0.01056436	0.01082999	4670.64101621	4755.69502020	4870.88103103			
Ti 334.941	Ti		0.10786352	mg/L	35732.18724062	2.77189550	0.10456156	0.10864154	0.11038747	34645.03931925	35988.34503929	36563.17736332			
Tl 190.794	Tl		0.00584676	mg/L	11.76704164	49.73174120	0.00322865	0.00533543	0.00897620	2.83310311	10.02219195	22.44582985			
V 292.401	V		0.00730188	mg/L	103.70622509	5.97052329	0.00701323	0.00708903	0.00780338	93.04724708	95.84650223	122.22492596			
Zn 206.200	Zn		0.87544665	mg/L	55050.18464349	2.46187293	0.85252469	0.87851460	0.89530066	53611.57497195	55242.73278891	56296.24616960			
Y 371.029	Y		0.98	Ratio	852563.83	0.74	0.97	0.98	0.99	847089.74	851198.54	859403.22			
Y 371.029	Y-R		1.00	Ratio	200568.15	1.43	1.02	1.00	0.99	203835.77	199344.34	198524.32			

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 470460-005	Client ID	: ARCH-C2W-EXT-1 TO 2-221008-L-WF
Seqnum	: 672410953034	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 298738	Time	: 12-OCT-2022 12:43
Cal	: 672410953001	Caldate	: 12-OCT-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.891	290	**0.54**		**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	871200	853590	-2.02

u=use y=RL raised

Instrument ID: MET09

Label: 470460-005,298738 | Rack:Tube: 1:14 | Type: Sample
Date Time: 10/12/2022 12:43:26 PM | Weight: 1 | Volume: 1
Dilution: 1 | LIMSID: | Customer:
Customer Ref.: | Sample Date Time: | Sample Site:
Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	-0.00083404	mg/L	186.86258132	149.13957962	0.00040702	-0.00208074	-0.00082841	289.67265966	83.58562954	187.32945476		u	u
Al 396.152	Al		1.19723795	mg/L	45777.78027523	3.25356275	1.15699296	1.19996553	1.23475536	44278.97686731	45879.36083049	47175.00312789			
As 188.980	As		0.01991059	mg/L	111.86110246	5.09625473	0.02106913	0.01948281	0.01917984	117.11858453	109.91979712	108.54492575			
B 249.678	B		0.00713884	mg/L	405.06522278	7.04575373	0.00731178	0.00657220	0.00753254	410.98572812	385.66656597	418.54337426			
Ba 230.424	Ba		0.00953167	mg/L	1095.05266855	3.48958447	0.00923562	0.00946781	0.00989159	1065.38318397	1088.65248465	1131.12233702			
Be 313.107	Be		0.00003840	mg/L	218.61134889	19.65745780	0.00004418	0.00004117	0.00002986	230.91997401	224.50765156	200.40642110			
Ca 317.933	Ca-R		5.67265389	mg/L	64881.84614295	1.03199888	5.66349816	5.73523402	5.61922948	64780.71852534	65573.06161834	64291.75828518			
Cd 214.439	Cd		0.00018650	mg/L	219.93715876	1.89808170	0.00018251	0.00018772	0.00018926	219.11877840	220.18833544	220.50436245			
Co 230.786	Co		0.00770840	mg/L	361.97539547	5.86377902	0.00721820	0.00779829	0.00810870	343.22875527	365.41329829	377.28413284			
Cr 267.716	Cr		0.01380372	mg/L	897.03881351	3.01066150	0.01337839	0.01382396	0.01420881	870.02356375	898.32423992	922.76863687			
Cu 324.754	Cu		0.19398815	mg/L	9174.43928181	2.96817736	0.18772156	0.19519768	0.19904522	8914.38628368	9224.63258634	9384.29897543			
Fe 259.940	Fe	o	30.65126232	mg/L	1797570.96960526	3.21678144	29.62475323	30.73805000	31.59098374	1737378.66675663	1802660.01364902	1852674.22841014	o	o	o
K 766.491	K-R		1.59227868	mg/L	2429.86657804	5.16102998	1.55765965	1.68610200	1.53307440	2379.74799941	2565.69622923	2344.15550547			
Li 670.783	Li-R		0.00100532	mg/L	117.32360163	37.31078325	0.00067977	0.00141549	0.00092069	81.95363244	161.88778200	108.12939045			
Mg 279.800	Mg-R		2.15705569	mg/L	4814.64617888	1.15163382	2.14762054	2.18523233	2.13831420	4793.96623164	4876.40372318	4773.56858182			
Mn 257.610	Mn		0.24928377	mg/L	115790.72113644	3.38251610	0.24024435	0.25067036	0.25693659	111596.53054391	116434.08609288	119341.54677252			
Mo 204.598	Mo		0.00131619	mg/L	38.07328873	27.21224672	0.00091663	0.00142351	0.00160842	33.41034173	39.32580810	41.48371634			
Na 589.592	Na-R		3.95010306	mg/L	41889.14374709	1.14021831	3.94856046	3.99589435	3.90585438	41873.74264724	42346.31624546	41447.37234857			
Ni 231.604	Ni		0.03420916	mg/L	761.83499907	3.48099682	0.03558217	0.03358742	0.03345790	791.92072101	748.21123328	745.37304292			
P 177.434	P		0.35931562	mg/L	55.44854026	8.10821454	0.32627244	0.38130585	0.37036856	50.50899090	58.73581082	57.10081907			
Pb 220.353	Pb		2.89140921	mg/L	33442.86919693	3.11761629	2.80088126	2.89218402	2.98116236	32396.74876744	33451.82267466	34480.03614868			
S 181.972	S		2.59373776	mg/L	3179.08584105	2.90109271	2.51017586	2.61490010	2.65613734	3083.95622911	3203.17773305	3250.12356098			
Sb 206.834	Sb	u	0.00212089	mg/L	-18.01310770	106.68144915	-0.00013360	0.00439149	0.00210476	-28.03618106	-7.91835539	-18.08478666	u		
Se 196.026	Se		0.00511394	mg/L	43.45173382	38.24045963	0.00498699	0.00712991	0.00322491	42.98651981	50.83974639	36.52893528			
Si 251.611	Si		2.01259552	mg/L	16414.52942996	2.64263414	1.95666014	2.01860583	2.06252059	15961.60705685	16463.19638936	16818.78484368			
Sn 189.925	Sn		0.03347086	mg/L	401.85639536	4.18925875	0.03190679	0.03389043	0.03461536	383.75527105	406.71214809	415.10176695			
Sr 421.552	Sr-R		0.00954692	mg/L	4288.68582615	1.83084321	0.00947974	0.00974533	0.00941568	4259.55856496	4374.72076982	4231.77814367			
Ti 334.941	Ti		0.07211469	mg/L	23965.72043511	13.79818026	0.06277101	0.07099563	0.08257742	20889.38151457	23597.27907443	27410.50071634			
Tl 190.794	Tl		0.00561094	mg/L	10.80495826	33.02780758	0.00598485	0.00359932	0.00724864	12.08088672	3.94060167	16.39338637			
V 292.401	V		0.00372980	mg/L	79.67784286	2.74888759	0.00372200	0.00363140	0.00383601	79.38973165	76.04409832	83.59969860			
Zn 206.200	Zn		1.02357889	mg/L	64338.03924795	3.31244051	0.98946361	1.02400254	1.05727052	62196.92362724	64364.62782960	66452.56628702			
Y 371.029	Y		0.98	Ratio	853590.28	0.66	0.97	0.98	0.98	847156.55	856315.41	857298.88			
Y 371.029	Y-R		1.01	Ratio	202977.71	1.23	1.02	1.00	1.02	203645.88	200207.45	205079.79			

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 470460-007	Client ID	: ARCH-C2W-DG-1.5 TO 2-221008-L-FB
Seqnum	: 672410953035	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 298738	Time	: 12-OCT-2022 12:46
Cal	: 672410953001	Caldate	: 12-OCT-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.348	130	**0.54**		**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	871200	851651	-2.24

u=use y=RL raised

Instrument ID: MET09

Label: 470460-007,298738 | Rack:Tube: 1:15 | Type: Sample
Date Time: 10/12/2022 12:46:48 PM | Weight: 1 | Volume: 1
Dilution: 1 | LIMSID: | Customer:
Customer Ref.: | Sample Date Time: | Sample Site:
Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	-0.00056407	mg/L	207.58613387	249.22479130	-0.00027262	0.00067316	-0.00209275	231.73022794	310.07863319	80.94954049	u		u
Al 396.152	Al		0.97460287	mg/L	37493.31945577	3.45652919	0.93860751	0.97982975	1.00537137	36152.78066775	37687.97852684	38639.19917273			
As 188.980	As		0.02806617	mg/L	148.90546522	3.56229211	0.02694045	0.02885073	0.02840734	143.79687276	152.46582699	150.45369591			
B 249.678	B		0.00582715	mg/L	363.09641895	5.47297385	0.00557827	0.00571652	0.00618665	354.57633839	359.30913894	375.40377951			
Ba 230.424	Ba		0.00634643	mg/L	775.98308432	4.08903164	0.00604782	0.00651740	0.00647406	746.05768776	793.11717345	788.77439174			
Be 313.107	Be		0.00003182	mg/L	203.45575521	45.53033891	0.00003122	0.00004661	0.00001765	202.16528709	234.96177426	173.24020427			
Ca 317.933	Ca-R		4.52008507	mg/L	52162.68651838	0.26842220	4.53072824	4.52265334	4.50687363	52280.24333965	52191.05381410	52016.76240137			
Cd 214.439	Cd		0.00010559	mg/L	242.84151202	36.24795517	0.00008373	0.00014978	0.00008326	238.35684737	251.90696055	238.26072815			
Co 230.786	Co		0.00449971	mg/L	241.12468089	8.28073491	0.00419623	0.00438733	0.00491558	229.51846512	236.82694997	257.02862758			
Cr 267.716	Cr		0.01410679	mg/L	918.33787470	4.71762776	0.01334805	0.01459167	0.01438064	870.14609039	949.13575132	935.73178239			
Cu 324.754	Cu		0.26677389	mg/L	12181.39466728	3.19667138	0.25753867	0.26843213	0.27435087	11798.14884357	12250.20887299	12495.82628529			
Fe 259.940	Fe	o	39.71159675	mg/L	2328848.85429948	3.24453184	38.32955058	39.92556783	40.87967184	2247808.61582011	2341395.66194243	2397342.28513588	o	o	o
K 766.491	K-R		1.08899680	mg/L	1699.63681938	3.29480464	1.09420102	1.12199082	1.05079856	1707.17106189	1747.40282805	1644.33656821			
Li 670.783	Li-R		0.00076752	mg/L	93.46662166	41.00348027	0.00071046	0.00110685	0.00048524	87.26770517	130.33414866	62.79801115			
Mg 279.800	Mg-R		2.08895757	mg/L	4671.79602014	0.37648509	2.08058075	2.09618306	2.09010889	4653.43572344	4687.63285178	4674.31948519			
Mn 257.610	Mn		0.16378508	mg/L	76118.26479839	3.58714919	0.15713364	0.16595453	0.16826706	73032.07120316	77124.86687965	78197.85631237			
Mo 204.598	Mo		0.00190437	mg/L	44.95048112	79.88166147	0.00255904	0.00298868	0.00016539	52.59064811	57.60470325	24.65609200			
Na 589.592	Na-R		3.10924220	mg/L	33471.50275262	0.43492802	3.12279416	3.10918403	3.09574841	33606.80320349	33470.92201854	33336.78303583			
Ni 231.604	Ni		0.10247076	mg/L	2257.44825378	4.32404939	0.09736367	0.10475789	0.10529072	2145.54010723	2307.56453297	2319.24012115			
P 177.434	P		0.30736909	mg/L	47.69213844	7.53062363	0.28685053	0.33246131	0.30279542	44.62486532	51.44311844	47.00843155			
Pb 220.353	Pb		1.34811764	mg/L	15612.04653472	3.21935393	1.30084518	1.35734535	1.38616238	15065.77679787	15718.67991390	16051.68289240			
S 181.972	S		2.09828522	mg/L	2615.01014328	3.02550339	2.02808407	2.11510934	2.15166223	2535.09085838	2634.16328323	2675.77628825			
Sb 206.834	Sb	u	0.00272837	mg/L	-12.91473708	110.77498345	-0.00039986	0.00295263	0.00563236	-26.82235388	-11.91774273	-0.00411464	u		
Se 196.026	Se		0.00472686	mg/L	39.95514647	10.44022675	0.00496147	0.00505928	0.00415983	40.81493318	41.17339006	37.87711617			
Si 251.611	Si		1.80777031	mg/L	14754.71163751	2.52063485	1.75957086	1.81359471	1.85014536	14364.42894581	14801.87324087	15097.83272585			
Sn 189.925	Sn		0.04293656	mg/L	511.30268932	2.63203550	0.04171497	0.04314994	0.04394476	497.16516811	513.77215182	522.97074802			
Sr 421.552	Sr-R		0.00759084	mg/L	3431.51073046	0.49400514	0.00758817	0.00762960	0.00755474	3430.35340401	3448.31886757	3415.85991981			
Ti 334.941	Ti		0.07349829	mg/L	24420.46577491	30.22663579	0.05854016	0.06292898	0.09902574	19495.60824946	20940.59519947	32825.19387582			
Tl 190.794	Tl		0.00720468	mg/L	16.26205431	25.97200102	0.00725771	0.00530754	0.00904881	16.44297955	9.78830142	22.55488194			
V 292.401	V		0.00363241	mg/L	54.42684474	15.31119511	0.00317330	0.00347307	0.00425085	37.47355595	48.54299009	77.26398819			
Zn 206.200	Zn		0.47804476	mg/L	30101.22100907	3.18865171	0.46152526	0.48104293	0.49156609	29064.43760036	30289.38961562	30949.83581124			
Y 371.029	Y		0.98	Ratio	851650.88	0.65	0.97	0.98	0.98	845546.04	853002.92	856403.67			
Y 371.029	Y-R		1.02	Ratio	203711.31	0.24	1.02	1.01	1.02	204128.36	203167.10	203838.48			

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 470460-009	Client ID	: ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-L-LA
Seqnum	: 672410953036	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 298738	Time	: 12-OCT-2022 12:50
Cal	: 672410953001	Caldate	: 12-OCT-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.683	170	**0.54**		**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	871200	853304	-2.05

u=use y=RL raised

Instrument ID: MET09

Label: 470460-009,298738 | Rack:Tube: 1:16 | Type: Sample
Date Time: 10/12/2022 12:50:10 PM | Weight: 1 | Volume: 1
Dilution: 1 | LIMSID: | Customer:
Customer Ref.: | Sample Date Time: | Sample Site:
Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	-0.00066138	mg/L	200.76281412	207.52756340	-0.00056016	0.00065776	-0.00208173	209.14748324	310.04066974	83.10028938	u		u
Al 396.152	Al		1.16121999	mg/L	44439.44947083	3.05755111	1.12314893	1.16708192	1.19342911	43021.60771271	44657.75955302	45638.98114676			
As 188.980	As		0.03193029	mg/L	166.41907313	3.36204902	0.03162365	0.03104345	0.03312375	165.02756040	162.39460133	171.83505767			
B 249.678	B		0.00669429	mg/L	392.82461795	7.69014324	0.00645056	0.00634662	0.00728570	384.48051177	380.92227201	413.07107007			
Ba 230.424	Ba		0.00761047	mg/L	902.64083548	3.25166192	0.00735045	0.00763786	0.00784311	876.58249340	905.38521173	925.95480130			
Be 313.107	Be		0.00003418	mg/L	209.25058506	23.37577812	0.00004057	0.00003675	0.00002522	222.86492563	214.73174111	190.15508844			
Ca 317.933	Ca-R		6.28781327	mg/L	71681.12569819	1.33618032	6.23330785	6.24556314	6.38456883	71079.09770785	71214.46084675	72749.81853997			
Cd 214.439	Cd	u	0.00003446	mg/L	204.93499478	127.41557054	-0.00000489	0.00008182	0.00002646	196.86210416	214.64988228	203.29299790	u		
Co 230.786	Co		0.00477264	mg/L	250.42788583	3.10589692	0.00482241	0.00488958	0.00460592	252.33144486	254.90001540	244.05219721			
Cr 267.716	Cr		0.01822427	mg/L	1178.70085184	2.81688285	0.01763957	0.01860106	0.01843217	1141.56337742	1202.63295765	1191.90622045			
Cu 324.754	Cu		0.19895403	mg/L	9375.09345270	2.93636845	0.19258641	0.20020929	0.20406639	9110.84819179	9427.18439293	9587.24777340			
Fe 259.940	Fe	o	34.56372890	mg/L	2026989.70935483	2.76464237	33.55672095	34.67665275	35.45781300	1967940.91179073	2033611.32304843	2079416.89322533	o	o	o
K 766.491	K-R		1.56033346	mg/L	2383.02029030	3.68821228	1.54506804	1.51195683	1.62397549	2360.92028686	2312.98461525	2475.15596880			
Li 670.783	Li-R		0.00062410	mg/L	76.83417231	14.73153416	0.00053668	0.00061563	0.00071998	67.33696068	75.91441102	87.25114523			
Mg 279.800	Mg-R		2.17820568	mg/L	4863.64881340	1.50380534	2.15136432	2.16854802	2.21470470	4804.81793065	4842.48116127	4943.64734829			
Mn 257.610	Mn		0.23038058	mg/L	107019.44504259	2.43143092	0.22439725	0.23124454	0.23549995	104243.24485920	107420.31490995	109394.77535863			
Mo 204.598	Mo		0.00123721	mg/L	37.15534353	52.90256366	0.00182447	0.00053159	0.00135557	44.00882038	28.92052743	38.53668277			
Na 589.592	Na-R		3.45848360	mg/L	36964.41276011	1.00590120	3.43203116	3.44552832	3.49789131	36700.31600939	36835.06946649	37357.85280443			
Ni 231.604	Ni		0.05571418	mg/L	1233.02375902	15.24323075	0.04877990	0.06518647	0.05317617	1081.07772084	1440.58346179	1177.41009444			
P 177.434	P		0.36957330	mg/L	56.98514657	0.39118041	0.37115574	0.36832169	0.36924249	57.22170110	56.79804489	56.93569373			
Pb 220.353	Pb		1.68341293	mg/L	19484.70541594	2.94057976	1.62935805	1.69434657	1.72653417	18860.05949586	19611.05210526	19983.00464670			
S 181.972	S		2.47244959	mg/L	3041.00874495	2.78882741	2.40034239	2.47926552	2.53774085	2958.91954895	3048.76822654	3115.33845935			
Sb 206.834	Sb	u	-0.00091048	mg/L	-30.49573422	255.25529789	-0.00099422	0.00145430	-0.00319152	-30.86802287	-19.98230128	-40.63687852	u		u
Se 196.026	Se		0.00370856	mg/L	37.45109508	36.41179320	0.00485251	0.00221899	0.00405419	41.64337302	31.99218777	38.71772443			
Si 251.611	Si		1.86728129	mg/L	15237.39574352	2.36388726	1.81747190	1.88282403	1.90154793	14834.07703966	15363.24912445	15514.86106646			
Sn 189.925	Sn		0.03352317	mg/L	402.41489851	1.23388970	0.03326994	0.03329907	0.03400051	399.48423018	399.82134373	407.93912164			
Sr 421.552	Sr-R		0.00881693	mg/L	3974.95629050	2.25257188	0.00865626	0.00875555	0.00903898	3905.28524649	3948.34116270	4071.24246230			
Ti 334.941	Ti		0.06918676	mg/L	23001.38362315	6.68574309	0.06707611	0.06599292	0.07449127	22306.46591896	21949.83239675	24747.85255375			
Tl 190.794	Tl		0.00608982	mg/L	12.45130684	8.83559254	0.00653583	0.00624142	0.00549221	13.97325087	12.96861914	10.41205052			
V 292.401	V		0.00402912	mg/L	81.86809614	9.35696514	0.00423205	0.00359412	0.00426118	89.36183280	65.80491354	90.43754209			
Zn 206.200	Zn		0.70852312	mg/L	44565.52622192	2.84826881	0.68673552	0.71225914	0.72657470	43198.11061661	44800.00337008	45698.46467905			
Y 371.029	Y		0.98	Ratio	853303.56	0.49	0.97	0.98	0.98	848544.85	854855.98	856509.87			
Y 371.029	Y-R		1.02	Ratio	203461.99	1.60	1.03	1.02	1.00	206413.19	203998.40	199974.38			

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 470460-011	Client ID	: ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008-L-LA
Seqnum	: 672410953037	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 298738	Time	: 12-OCT-2022 12:53
Cal	: 672410953001	Caldate	: 12-OCT-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.02 ft2 --> 100.0 ml = 98.04 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.982	190	**0.53**		**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	871200	855389	-1.81

u=use y=RL raised

Instrument ID: MET09

Label: 470460-011,298738 | Rack:Tube: 1:17 | Type: Sample
Date Time: 10/12/2022 12:53:32 PM | Weight: 1 | Volume: 1
Dilution: 1 | LIMSID: | Customer:
Customer Ref.: | Sample Date Time: | Sample Site:
Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	-0.00139221	mg/L	140.46635710	71.98364677	-0.00182101	-0.00210863	-0.00024699	104.94416885	81.11784044	235.33706200	u	u	u
Al 396.152	Al		1.04010942	mg/L	39925.72075145	2.74737934	1.00797714	1.04967856	1.06267256	38729.05080251	40282.09457925	40766.01687259			
As 188.980	As		0.02504737	mg/L	135.17050340	8.48410559	0.02284503	0.02521149	0.02708560	125.17618285	135.91528495	144.42004239			
B 249.678	B		0.00665644	mg/L	387.43156742	6.20830006	0.00647169	0.00712983	0.00636779	381.10670851	403.63809328	377.54990046			
Ba 230.424	Ba		0.00914312	mg/L	1056.01448592	2.22539080	0.00891574	0.00920557	0.00930804	1033.22753161	1062.27351576	1072.54241040			
Be 313.107	Be		0.00002573	mg/L	191.53375067	36.48209747	0.00003193	0.00003032	0.00001493	204.75795673	201.32034902	168.52294627			
Ca 317.933	Ca-R		5.03843354	mg/L	57876.36110328	0.47406471	5.06551716	5.02940524	5.02037821	58175.50754058	57776.64094687	57676.93482240			
Cd 214.439	Cd	u	0.00002234	mg/L	185.28932629	453.41886689	0.00005828	-0.00009201	0.00010074	192.66277888	161.83234051	201.37285946		u	
Co 230.786	Co		0.00415153	mg/L	225.92784199	5.67966513	0.00424715	0.00432449	0.00388295	229.58474328	232.54242926	215.65635343			
Cr 267.716	Cr		0.01520552	mg/L	985.98264802	1.81262945	0.01489769	0.01542941	0.01528945	966.43067155	1000.20333826	991.31393426			
Cu 324.754	Cu		0.13941985	mg/L	6910.14536688	2.58736803	0.13536538	0.14062025	0.14227390	6741.89204901	6959.96022412	7028.58382750			
Fe 259.940	Fe	o	30.63066843	mg/L	1796362.98507491	2.74452046	29.68865628	30.89875235	31.30459667	1741125.40217210	1812082.85410350	1835880.69894912	o	o	o
K 766.491	K-R		1.38929336	mg/L	2136.02180131	2.96469008	1.40668371	1.41893424	1.34226213	2161.19811568	2178.93341513	2067.93387312			
Li 670.783	Li-R		0.00145250	mg/L	165.78760762	36.03253041	0.00199422	0.00094964	0.00141366	224.64325085	111.15265783	161.56691417			
Mg 279.800	Mg-R		2.19345323	mg/L	4894.25989288	0.56757128	2.20774178	2.18494295	2.18767498	4925.57751214	4875.60705330	4881.59511321			
Mn 257.610	Mn		0.21922106	mg/L	101841.75286945	2.79030482	0.21243216	0.22092729	0.22430372	98691.77883088	102633.42823471	104200.05154276			
Mo 204.598	Mo		0.00153515	mg/L	40.60080722	88.07378622	0.00269703	0.00005110	0.00185732	54.16027142	23.28150777	44.36064246			
Na 589.592	Na-R		3.36918950	mg/L	36082.13557180	0.61102390	3.39119506	3.36597278	3.35040066	36301.83537312	36050.02039177	35894.55095052			
Ni 231.604	Ni		0.03664519	mg/L	815.20799611	3.15281606	0.03534430	0.03703950	0.03755178	786.70245885	823.84814155	835.07338794			
P 177.434	P		0.34211595	mg/L	52.87750129	6.65862846	0.31929249	0.34220267	0.36485270	49.46567319	52.89046456	56.27636613			
Pb 220.353	Pb		1.98218556	mg/L	22936.45723740	2.75858658	1.92028808	2.00234253	2.02392608	22221.18404160	23169.38653435	23418.80113624			
S 181.972	S		2.41461888	mg/L	2975.16044034	2.40298436	2.35074260	2.42904917	2.46406485	2902.44159245	2991.58836438	3031.45136418			
Sb 206.834	Sb	u	0.00287612	mg/L	-14.71155622	118.64454137	-0.00085453	0.00583956	0.00364332	-31.29738975	-1.53658048	-11.30069843	u		
Se 196.026	Se	u	0.00363479	mg/L	38.06933843	145.50247433	0.00954430	-0.00065365	0.00201371	59.72615682	22.35333874	32.12851974		u	
Si 251.611	Si		1.87955638	mg/L	15337.25366169	2.28580419	1.83242025	1.88972832	1.91652058	14955.58093247	15419.61827248	15636.56178014			
Sn 189.925	Sn		0.02386143	mg/L	290.64907081	3.25997514	0.02298721	0.02447714	0.02411996	280.53161387	297.77464783	293.64095075			
Sr 421.552	Sr-R		0.00889874	mg/L	4001.59129278	0.56471472	0.00891654	0.00884201	0.00893767	4009.30972358	3976.99211563	4018.47203911			
Ti 334.941	Ti		0.08823169	mg/L	29272.12249486	15.04490933	0.10347427	0.07921145	0.08200936	34290.62985877	26302.27234967	27223.46527615			
Tl 190.794	Tl		0.00561675	mg/L	10.81946662	42.18112213	0.00288771	0.00681572	0.00714682	1.50699796	14.91079512	16.04060677			
V 292.401	V		0.00367626	mg/L	78.17725083	11.57650568	0.00330408	0.00358443	0.00414025	64.43401114	74.78652579	95.31121556			
Zn 206.200	Zn		0.74667378	mg/L	46959.00979358	2.97217465	0.72203948	0.75287798	0.76510389	45412.93173368	47348.39254889	48115.70509817			
Y 371.029	Y		0.98	Ratio	855388.75	0.63	0.98	0.98	0.99	852239.41	852357.72	861569.11			
Y 371.029	Y-R		1.02	Ratio	203936.26	0.38	1.01	1.02	1.02	203072.81	204552.80	204183.18			

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 470460-013	Client ID	: ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-L-LA
Seqnum	: 672410953038	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 298738	Time	: 12-OCT-2022 12:56
Cal	: 672410953001	Caldate	: 12-OCT-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.02 ft2 --> 100.0 ml = 98.04 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.278	130	**0.53**		**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	871200	851407	-2.27

u=use y=RL raised

Instrument ID: MET09

Label: 470460-013,298738 | Rack:Tube: 1:18 | Type: Sample
Date Time: 10/12/2022 12:56:54 PM | Weight: 1 | Volume: 1
Dilution: 1 | LIMSID: | Customer:
Customer Ref.: | Sample Date Time: | Sample Site:
Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	-0.00064332	mg/L	204.29179864	85.49205279	-0.00035793	-0.00029469	-0.00127735	227.93408623	233.17240742	151.76890227	u	u	u
Al 396.152	Al		0.75671435	mg/L	29363.54918338	3.19761562	0.73080763	0.76060585	0.77872957	28398.73141842	29508.47647638	30183.43965534			
As 188.980	As		0.01818754	mg/L	103.98957603	3.86311633	0.01769174	0.01899158	0.01787931	101.73958265	107.63832964	102.59081580			
B 249.678	B		0.00549150	mg/L	345.03146372	7.22745454	0.00506440	0.00584897	0.00556112	330.40985175	357.26949687	347.41504255			
Ba 230.424	Ba		0.00678225	mg/L	819.03392525	3.47374882	0.00651575	0.00686816	0.00696284	792.32649038	827.64342734	837.13185804			
Be 313.107	Be	u	0.00001590	mg/L	171.85802049	151.01120079	0.00003898	0.00001765	-0.00000894	221.05085185	175.59831613	118.92489348			u
Ca 317.933	Ca-R		6.87764398	mg/L	78177.38322109	0.83827999	6.81176384	6.91888034	6.90228778	77449.71810117	78632.85056957	78449.58099254			
Cd 214.439	Cd		0.00010999	mg/L	157.27978440	69.17196248	0.00002621	0.00012899	0.00017476	140.09359821	161.17874980	170.56700518			
Co 230.786	Co		0.00303705	mg/L	181.16260797	7.61518495	0.00329572	0.00285022	0.00296519	191.05513606	174.01796399	178.41472386			
Cr 267.716	Cr		0.01020555	mg/L	665.96741353	3.81964372	0.00978185	0.01054899	0.01028579	639.05629335	687.78179438	671.06415287			
Cu 324.754	Cu		0.08760018	mg/L	4775.14753159	3.22390694	0.08462249	0.08793758	0.09024047	4651.57836017	4789.14918036	4884.71505424			
Fe 259.940	Fe		19.95899219	mg/L	1170598.21479644	3.31610658	19.25482654	20.05383266	20.56831738	1129307.44345512	1176159.45711036	1206327.74382385			
K 766.491	K-R		1.65201117	mg/L	2518.27793282	1.35472906	1.65283440	1.62923063	1.67396847	2519.46974618	2485.29815726	2550.06589502			
Li 670.783	Li-R		0.00076482	mg/L	88.83506397	35.53919821	0.00103866	0.00076069	0.00049509	118.58777206	88.38700127	59.53041859			
Mg 279.800	Mg-R		1.95085694	mg/L	4355.11504760	1.03267997	1.92938740	1.96934799	1.95383545	4308.05811217	4395.64370240	4361.64332824			
Mn 257.610	Mn		0.13731025	mg/L	63838.42404580	3.10273465	0.13261899	0.13837336	0.14093840	61661.73261520	64331.69339287	65521.84612934			
Mo 204.598	Mo		0.00197332	mg/L	45.57716382	12.33574150	0.00211915	0.00210851	0.00169231	47.27900864	47.15484315	42.29763967			
Na 589.592	Na-R		4.89459652	mg/L	51291.50046406	0.73704591	4.85310384	4.91853730	4.91214842	50877.24452497	51530.52118990	51466.73567731			
Ni 231.604	Ni		0.03087356	mg/L	688.84470134	4.16116578	0.02949620	0.03108515	0.03203933	658.66359540	693.48105842	714.38945020			
P 177.434	P		0.29937784	mg/L	46.47829345	1.55883702	0.29939748	0.29470124	0.30403481	46.48122864	45.77919925	47.17445247			
Pb 220.353	Pb		1.27822043	mg/L	14799.48763145	3.19285604	1.23477772	1.28412578	1.31575780	14297.47353154	14867.72847348	15233.26088933			
S 181.972	S		2.55691355	mg/L	3137.18138403	3.04183787	2.46948183	2.58285138	2.61840744	3037.64624846	3166.70986392	3207.18803971			
Sb 206.834	Sb	u	-0.00047022	mg/L	-32.32915547	333.94151278	0.00128060	-0.00175390	-0.00093735	-24.54532108	-38.03618468	-34.40596064		u	u
Se 196.026	Se		0.00328357	mg/L	39.12852050	60.74995492	0.00141358	0.00305390	0.00538322	32.27549383	38.28685122	46.82321645			
Si 251.611	Si		1.60558008	mg/L	13120.22200548	3.18166982	1.55267004	1.60945199	1.65461822	12691.79652276	13151.57378263	13517.29571104			
Sn 189.925	Sn		0.02026141	mg/L	249.08346458	1.55948677	0.02060955	0.01999280	0.02018188	253.11252427	245.97477404	248.16309542			
Sr 421.552	Sr-R		0.00865039	mg/L	3898.06265801	0.60582417	0.00861177	0.00871005	0.00862936	3881.31427402	3923.93018093	3888.94351906			
Ti 334.941	Ti		0.05397104	mg/L	17992.80894557	2.18029208	0.05303246	0.05358946	0.05529121	17683.78903658	17867.17432309	18427.46347703			
Tl 190.794	Tl		0.00641853	mg/L	13.52441466	30.70151492	0.00416430	0.00781405	0.00727724	5.83216688	18.28643712	16.45463998			
V 292.401	V		0.00286010	mg/L	73.03824661	1.06642502	0.00282998	0.00285936	0.00289097	71.92595708	73.01073061	74.17805214			
Zn 206.200	Zn		0.51222724	mg/L	32242.94238443	2.87719257	0.49584426	0.51643122	0.52440623	31214.72719518	32506.78920590	33007.31075222			
Y 371.029	Y		0.98	Ratio	851406.86	0.56	0.97	0.98	0.98	846132.53	852776.00	855312.05			
Y 371.029	Y-R		1.02	Ratio	203729.52	1.10	1.03	1.01	1.01	206312.11	202361.47	202514.97			

ENTHALPY SPIKE USER REPORT FOR 470460 METALS Wipe
EPA 6010B

Type : BS
Inst : MET09
Seqnum : 672410953031.1
File : icp data
IDF : 1.0
Lab ID : QC1018351
Matrix : Wipe
Batch : 298738
Time : 12-OCT-2022 12:33
Cal : 672410953001
Units : ug/ft2

Type : BSD
Inst : MET09
Seqnum : 672410953032.1
File : icp data
IDF : 1.0
Lab ID : QC1018352
Matrix : Wipe
Batch : 298738
Time : 12-OCT-2022 12:36
Cal : 672410953001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	1.102	110.2	A	110	1.112	111.2	A	111	80-120	1	20	**y** u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	871200	853803	-2.00

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	871200	856190	-1.72

u=use y=RL raised

Instrument ID: MET09

Label: BS,QC1018351,298738 | Rack:Tube: 1:11 | Type: Sample
Date Time: 10/12/2022 12:33:20 PM | Weight: 1 | Volume: 1
Dilution: 1 | LIMS ID: | Customer:
Customer Ref.: | Sample Date Time: | Sample Site:
Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag		0.51400832	mg/L	42839.51510219	3.18017753	0.49584223	0.51865302	0.52752971	41334.62594946	43224.28491860	43959.63443852			
Al 396.152	Al		1.03041762	mg/L	39545.48716326	3.28837168	0.99428187	1.03549400	1.06147698	38199.72023259	39734.54176777	40702.19948942			
As 188.980	As		1.08064199	mg/L	4925.34922536	3.21151241	1.04356441	1.08601363	1.11234792	4757.09002423	4949.72590587	5069.23174596			
B 249.678	B		1.04115921	mg/L	35777.79358683	3.22163635	1.00401149	1.05023965	1.06922650	34506.05786012	36088.65825364	36738.66464674			
Ba 230.424	Ba		1.08090474	mg/L	108463.21397910	3.57918049	1.04188214	1.08158381	1.11924826	104552.50033104	108531.26872420	112305.87288206			
Be 313.107	Be		1.11226254	mg/L	2370644.85642152	3.92099901	1.06631306	1.11739144	1.15308310	2272715.20864773	2381575.81865737	2457643.54195947			
Ca 317.933	Ca-R		1.30758300	mg/L	16636.81618270	0.61852426	1.31428349	1.29859904	1.30986647	16710.82501063	16537.58575435	16662.03778312			
Cd 214.439	Cd		1.08934442	mg/L	223511.41356699	3.24722938	1.05263803	1.09218099	1.12321425	215981.80258209	224093.27982988	230459.15828900			
Co 230.786	Co		1.14160802	mg/L	43719.81544712	3.53404733	1.10065499	1.14285298	1.18131611	42153.64346071	43767.42631824	45238.37656241			
Cr 267.716	Cr		1.09494745	mg/L	69559.23856791	3.37183894	1.05570174	1.10015130	1.12898930	67066.52421695	69889.76426437	71721.42722241			
Cu 324.754	Cu		1.08543560	mg/L	46210.83788584	3.43706020	1.04535175	1.09181071	1.11914433	44547.42669176	46475.39419535	47609.69277041			
Fe 259.940	Fe		1.10322922	mg/L	64937.51546748	3.54984905	1.06138222	1.10930821	1.13899724	62483.69655610	65293.97407823	67034.87576810			
K 766.491	K-R		9.65643943	mg/L	14108.65379317	0.64431890	9.72725616	9.61054989	9.63151223	14211.17640787	14042.21870848	14072.56626314			
Li 670.783	Li-R		1.05585751	mg/L	114717.92705168	0.52559270	1.05868580	1.04946364	1.05942308	115025.21262043	114023.25332152	115105.31521309			
Mg 279.800	Mg-R		1.10256034	mg/L	2482.63919981	0.27677807	1.10594026	1.10000747	1.10173328	2490.04732291	2477.04382107	2480.82645543			
Mn 257.610	Mn		1.08688371	mg/L	504431.67796644	3.74403370	1.04374204	1.09232875	1.12458034	484414.41566487	506958.11546893	521922.50276550			
Mo 204.598	Mo		1.11950643	mg/L	13087.52332029	3.46281544	1.07727739	1.12776141	1.15348050	12594.69736648	13183.86148937	13484.01110504			
Na 589.592	Na-R		0.74130937	mg/L	18914.50041786	1.93732533	0.75749627	0.73009453	0.73633732	19076.10768673	18802.53333542	18864.86023142			
Ni 231.604	Ni		1.10272942	mg/L	24175.79293949	3.38552149	1.06276599	1.10871269	1.13670958	23300.10172433	24306.90026830	24920.37682584			
P 177.434	P		0.00879442	mg/L	3.01345832	112.65034049	0.00414902	0.02017044	0.00206379	2.31902800	4.71403435	2.00731260			
Pb 220.353	Pb		1.10218468	mg/L	12759.46929385	3.10174633	1.06558275	1.10768044	1.13329084	12336.50570959	12822.97709186	13118.92508011			
S 181.972	S	u	-0.02528096	mg/L	197.46271794	16.44493250	-0.02707090	-0.02052836	-0.02824364	195.42499741	202.87324189	194.08991452	u	u	u
Sb 206.834	Sb		1.03405579	mg/L	4561.75863250	3.32922579	0.99583949	1.04368821	1.06263965	4391.85532502	4604.58280779	4688.83776470			
Se 196.026	Se		0.97727497	mg/L	3612.83951268	3.15729153	0.94449463	0.98157612	1.00575414	3492.70814644	3628.60213937	3717.20825224			
Si 251.611	Si		3.81564408	mg/L	31018.92066342	3.25376891	3.68507788	3.82966189	3.93219247	29961.69437593	31132.42627059	31962.64134373			
Sn 189.925	Sn	u	0.00003897	mg/L	15.36702129	872.04779861	-0.00028183	0.00039509	0.00000365	11.65441390	19.48841493	14.95823503	u		
Sr 421.552	Sr-R		1.09849905	mg/L	476458.66171551	0.73176530	1.09755532	1.09097413	1.10696769	476049.44344586	473195.70300897	480130.83869171			
Ti 334.941	Ti		1.14132717	mg/L	376000.59491058	3.06196919	1.10425612	1.14605683	1.17366855	363795.21942521	377557.80294427	386648.76236226			
Tl 190.794	Tl		1.16542553	mg/L	3968.45049957	3.26027505	1.12387107	1.17401173	1.19839381	3826.65164738	3997.74968305	4080.95016828			
V 292.401	V		1.11367148	mg/L	41136.67466804	3.59341951	1.07027451	1.12162082	1.14911910	39534.16364727	41430.21837977	42445.64197707			
Zn 206.200	Zn		1.07901984	mg/L	67811.63318382	3.28334555	1.04359459	1.07901443	1.11445049	65588.30264388	67811.29363736	70035.30327022			
Y 371.029	Y		0.98	Ratio	853803.21	0.78	0.97	0.98	0.99	846444.57	855661.34	859303.73			
Y 371.029	Y-R		1.01	Ratio	202672.47	0.32	1.01	1.02	1.01	202013.97	203299.51	202703.92			

Instrument ID: MET09

Label: BSD,QC1018352,298738 Rack:Tube: 1:12 Type: Sample

Date Time: 10/12/2022 12:36:42 PM Weight: 1 Volume: 1

Dilution: 1 LIMS ID: Customer:

Customer Ref.: Sample Date Time: Sample Site:

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag		0.51930830	mg/L	43278.56764509	2.81018747	0.50319418	0.52309656	0.53163416	41943.66488453	43592.38932722	44299.64872352			
Al 396.152	Al		1.04311856	mg/L	40018.55159569	3.17401081	1.00776352	1.04819839	1.07339376	38701.85971581	40207.73470401	41146.06036726			
As 188.980	As		1.08524643	mg/L	4946.24415061	2.75841922	1.05376584	1.08862258	1.11335087	4803.38423364	4961.56522028	5073.78299789			
B 249.678	B		1.05425684	mg/L	36226.17486792	3.37885120	1.01496800	1.06335608	1.08444644	34881.13905618	36537.68309726	37259.70245031			
Ba 230.424	Ba		1.09090030	mg/L	109464.93843581	2.97030184	1.05726404	1.09352662	1.12191025	106094.02510271	109728.13875173	112572.65145297			
Be 313.107	Be		1.11408845	mg/L	2374536.33337016	3.42089774	1.07626471	1.11351868	1.15248197	2293924.61511614	2373322.00692088	2456362.37807345			
Ca 317.933	Ca-R		1.32258101	mg/L	16802.55207554	1.32407871	1.30272624	1.32919003	1.33582677	16583.25040098	16875.55058971	16948.85523593			
Cd 214.439	Cd		1.09411037	mg/L	224489.13471976	2.16472208	1.06974995	1.09552579	1.11705537	219492.06318502	224779.48124782	229195.85972644			
Co 230.786	Co		1.14774659	mg/L	43954.57364176	2.90546522	1.11341568	1.14980941	1.18001467	42641.65270529	44033.46232691	45188.60589310			
Cr 267.716	Cr		1.10177011	mg/L	69992.58786094	3.04751929	1.06595827	1.10681034	1.13254172	67717.97733893	70312.72101374	71947.06523015			
Cu 324.754	Cu		1.09481651	mg/L	46600.10834522	3.09958469	1.05872117	1.09965760	1.12607074	45102.21374661	46801.00548609	47897.10580296			
Fe 259.940	Fe		1.12207905	mg/L	66042.86111649	3.16262721	1.08471672	1.12618687	1.15533355	63852.01404319	66283.73517297	67992.83413333			
K 766.491	K-R		9.72224224	mg/L	14203.90995761	1.68318704	9.54438777	9.75589703	9.86644191	13946.42695429	14252.63258960	14412.67032894			
Li 670.783	Li-R		1.06278857	mg/L	115470.98300297	1.37902972	1.04697510	1.06547475	1.07591584	113752.89985296	115762.82874039	116897.22041557			
Mg 279.800	Mg-R		1.11629875	mg/L	2512.76545108	1.45265771	1.09889379	1.11902134	1.13098113	2474.61726563	2518.73281390	2544.94627371			
Mn 257.610	Mn		1.09609612	mg/L	508706.14370866	3.74014906	1.05452138	1.09728001	1.13648699	489415.91516464	509255.45358713	527447.06237422			
Mo 204.598	Mo		1.12723010	mg/L	13177.66164068	3.24101390	1.08773347	1.13414399	1.15981284	12716.72384928	13258.34885646	13557.91221630			
Na 589.592	Na-R		0.75246271	mg/L	19104.46590134	3.25136066	0.72572901	0.75792186	0.77373726	18837.56110819	19158.96918019	19316.86741564			
Ni 231.604	Ni		1.11085454	mg/L	24353.83406879	3.06882364	1.07458244	1.11574709	1.14223409	23559.02844054	24461.04109960	25041.43266624			
P 177.434	P		0.00475615	mg/L	2.40970162	58.10783592	0.00726250	0.00179222	0.00521374	2.78436976	1.96663016	2.47810493			
Pb 220.353	Pb		1.11180567	mg/L	12870.64301381	2.76828426	1.07867132	1.11724326	1.13950243	12487.74995874	12933.47857985	13190.70050286			
S 181.972	S	u	-0.02534985	mg/L	197.38439299	6.48027890	-0.02551480	-0.02690390	-0.02363086	197.19661158	195.61521725	199.34135015	u	u	u
Sb 206.834	Sb		1.04100646	mg/L	4592.66294744	2.66912591	1.01078460	1.04678850	1.06544629	4458.30154138	4618.36891634	4701.31838460			
Se 196.026	Se		0.98795179	mg/L	3651.96377685	2.17264264	0.96459173	0.99245810	1.00680554	3566.35524521	3668.47823174	3721.05785359			
Si 251.611	Si		3.78934324	mg/L	30805.96261903	3.17486777	3.66260014	3.80346210	3.90196748	29779.69290262	30920.28646451	31717.90848994			
Sn 189.925	Sn		0.00090586	mg/L	25.40011459	92.04817198	0.00071572	0.00181833	0.00018353	23.19957394	35.96029460	17.04047523			
Sr 421.552	Sr-R		1.09987322	mg/L	477054.70044944	0.52345396	1.10200829	1.09335334	1.10425801	477980.51428004	474227.55004844	478956.03701984			
Ti 334.941	Ti		1.15492076	mg/L	380476.20393722	3.16268203	1.11666296	1.15867309	1.18942623	367880.10036597	381711.63220667	391836.87923900			
Tl 190.794	Tl		1.17046038	mg/L	3985.63179618	3.19458138	1.13006788	1.17744890	1.20386437	3847.79798964	4009.47913492	4099.61826399			
V 292.401	V		1.12016970	mg/L	41376.59458754	3.03753649	1.08411629	1.12467411	1.15171871	40045.25750235	41542.92792171	42541.59833855			
Zn 206.200	Zn		1.08061727	mg/L	67911.89797945	2.35954890	1.05288887	1.08590920	1.10305375	66171.63013958	68244.02555624	69320.03824253			
Y 371.029	Y		0.98	Ratio	856190.48	0.74	0.97	0.99	0.99	848872.42	859187.14	860511.89			
Y 371.029	Y-R		1.01	Ratio	202010.19	1.27	1.02	1.01	1.00	204856.61	201284.60	199889.35			

ENTHALPY INITIAL CALIBRATION FOR 470460 METALS Wipe: EPA 6010B

Instrument:	MET09		
Calibration #:	672410953001	Date:	12-OCT-2022 09:13
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	672410953002	L1	12-OCT-2022 09:16	S17110
L2	icp data	672410953003	L2	12-OCT-2022 09:20	S17109 (10X)
L3	icp data	672410953004	L3	12-OCT-2022 09:23	S17109
L4	icp data	672410953005	L4	12-OCT-2022 09:26	S17108
L5	icp data	672410953006	L5	12-OCT-2022 09:30	S17107 (2X)
L6	icp data	672410953007	L6	12-OCT-2022 09:33	S17107

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	-0.0024	8.66E-5		13325	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	19346	13769	12022	11708	11568	11538

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-4	0.0100	-4	0.1000	2	1.0000	1	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09
Calnum : 672410953001 Cal Date : 12-OCT-2022

ICV 672410953012 (12-OCT-2022) stds: S17413

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9776	mg/L	-2	

Instrument ID: MET09

Label: ICALBLK | Rack:Tube: S1:1 | Type: BLK

Date Time: 10/12/2022 9:13:18 AM | Flags: | Weight: -

Volume: - | Dilution: - | LIMS ID:

Customer: | Customer Ref.: | Sample Date Time:

Sample Site: | Description: | Flags Replicate 1:

Flags Replicate 2: | Flags Replicate 3:

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.00000000	mg/L	258.24716494	-	0.00000000	0.00000000	0.00000000	316.75030550	239.20871600	218.78247333
Al 396.152	Al	0.00000000	mg/L	1076.26461700	-	0.00000000	0.00000000	0.00000000	1091.12190283	1056.73623741	1080.93571077
As 188.980	As	0.00000000	mg/L	20.63919843	-	0.00000000	0.00000000	0.00000000	22.20102655	15.82012675	23.89644200
B 249.678	B	0.00000000	mg/L	131.05845555	-	0.00000000	0.00000000	0.00000000	168.18790232	97.19502951	127.79243482
Ba 230.424	Ba	0.00000000	mg/L	116.73390070	-	0.00000000	0.00000000	0.00000000	119.01100410	102.36271644	128.82798155
Be 313.107	Be	0.00000000	mg/L	144.40015857	-	0.00000000	0.00000000	0.00000000	181.15604641	129.28251459	122.76191473
Ca 317.933	Ca-R	0.00000000	mg/L	2149.09400710	-	0.00000000	0.00000000	0.00000000	2174.17781273	2126.43304417	2146.67116440
Cd 214.439	Cd	0.00000000	mg/L	47.05553881	-	0.00000000	0.00000000	0.00000000	45.01061910	42.13105078	54.02494654
Co 230.786	Co	0.00000000	mg/L	69.09393617	-	0.00000000	0.00000000	0.00000000	51.92081173	81.10940416	74.25159261
Cr 267.716	Cr	0.00000000	mg/L	8.17819730	-	0.00000000	0.00000000	0.00000000	25.72123100	-1.61421797	0.42757888
Cu 324.754	Cu	0.00000000	mg/L	1161.01539832	-	0.00000000	0.00000000	0.00000000	1163.33639075	1145.49536594	1174.21443826
Fe 259.940	Fe	0.00000000	mg/L	103.07277785	-	0.00000000	0.00000000	0.00000000	137.47714550	83.89306913	87.84811892
K 766.491	K-R	0.00000000	mg/L	138.04893161	-	0.00000000	0.00000000	0.00000000	142.35484974	157.27501127	114.51693383
Li 670.783	Li-R	0.00000000	mg/L	0.00000000	-	0.00000000	0.00000000	0.00000000	118.74760383	-73.52467093	-45.22293290
Mg 279.800	Mg-R	0.00000000	mg/L	64.10665470	-	0.00000000	0.00000000	0.00000000	68.05087479	64.08548686	60.18360246
Mn 257.610	Mn	0.00000000	mg/L	124.29464384	-	0.00000000	0.00000000	0.00000000	126.87224436	138.91155587	107.10013129
Mo 204.598	Mo	0.00000000	mg/L	26.13037826	-	0.00000000	0.00000000	0.00000000	18.28007533	23.88542584	36.22563361
Na 589.592	Na-R	0.00000000	mg/L	2347.16099364	-	0.00000000	0.00000000	0.00000000	2526.23602448	2383.37811956	2131.86883688
Ni 231.604	Ni	0.00000000	mg/L	12.00459794	-	0.00000000	0.00000000	0.00000000	16.96887100	10.36179952	8.68312331
P 177.434	P	0.00000000	mg/L	1.43379729	-	0.00000000	0.00000000	0.00000000	1.35524653	0.35763900	2.58850632
Pb 220.353	Pb	0.00000000	mg/L	27.19388914	-	0.00000000	0.00000000	0.00000000	26.06248968	23.84422146	31.67495629
S 181.972	S	0.00000000	mg/L	226.04452348	-	0.00000000	0.00000000	0.00000000	233.95458944	226.95795371	217.22102729
Sb 206.834	Sb	0.00000000	mg/L	-23.54860390	-	0.00000000	0.00000000	0.00000000	-16.84618217	-19.77968194	-34.01994757
Se 196.026	Se	0.00000000	mg/L	31.35043363	-	0.00000000	0.00000000	0.00000000	30.44827566	31.30568844	32.29733680
Si 251.611	Si	0.00000000	mg/L	150.80126167	-	0.00000000	0.00000000	0.00000000	208.33297833	148.29609633	95.77471035
Sn 189.925	Sn	0.00000000	mg/L	15.49520236	-	0.00000000	0.00000000	0.00000000	18.99013565	11.40342117	16.09205025
Sr 421.552	Sr-R	0.00000000	mg/L	93.20394066	-	0.00000000	0.00000000	0.00000000	104.45813209	92.67806914	82.47562074
Ti 334.941	Ti	0.00000000	mg/L	232.64470328	-	0.00000000	0.00000000	0.00000000	220.43297125	254.23490253	223.26623606
Tl 190.794	Tl	0.00000000	mg/L	0.10957346	-	0.00000000	0.00000000	0.00000000	-2.83220521	0.06625301	3.09467257
V 292.401	V	0.00000000	mg/L	29.55724876	-	0.00000000	0.00000000	0.00000000	33.48383065	12.78734070	42.40057494
Zn 206.200	Zn	0.00000000	mg/L	86.09798900	-	0.00000000	0.00000000	0.00000000	80.89901686	82.43257396	94.96237618
Y 371.029	Y	1.00	Ratio	871200.02	0.00	1.00	1.00	1.00	862451.18	874360.43	876788.46
Y 371.029	Y-R	1.00	Ratio	200193.47	0.00	1.00	1.00	1.00	201893.71	201163.83	197522.88

Instrument ID: MET09

Label:	ICAL,L1,S17110	Rack:Tube:	S1:2	Type:	STD
Date Time:	10/12/2022 9:16:39 AM	Flags:		Weight:	-
Volume:	-	Dilution:	-	LIMSID:	
Customer:		Customer Ref.:		Sample Date Time:	
Sample Site:		Description:		Flags Replicate 1:	
Flags Replicate 2:		Flags Replicate 3:			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	184.58282013	-				181.47441952	210.70905730	161.56498357
Al 396.152	Al	0.00666667	mg/L	1428.51993190	-	0.00666667	0.00666667	0.00666667	1431.06040560	1434.84118531	1419.65820478
As 188.980	As	0.00333333	mg/L	33.88270227	-	0.00333333	0.00333333	0.00333333	37.27302591	25.14577008	39.22931083
B 249.678	B	0.00333333	mg/L	251.14696911	-	0.00333333	0.00333333	0.00333333	247.89235963	260.76810366	244.78044403
Ba 230.424	Ba	0.00333333	mg/L	517.68156961	-	0.00333333	0.00333333	0.00333333	537.92928546	516.42577987	498.68964350
Be 313.107	Be	0.00166667	mg/L	3598.88553770	-	0.00166667	0.00166667	0.00166667	3449.81734420	3581.26025573	3765.57901315
Ca 317.933	Ca-R	0.10000000	mg/L	3385.05798711	-	0.10000000	0.10000000	0.10000000	3339.20106739	3403.69956681	3412.27332714
Cd 214.439	Cd	0.00166667	mg/L	396.97302532	-	0.00166667	0.00166667	0.00166667	381.73222444	396.81232822	412.37452331
Co 230.786	Co	0.00166667	mg/L	128.34716653	-	0.00166667	0.00166667	0.00166667	116.45657294	130.54017788	138.04474876
Cr 267.716	Cr	0.00333333	mg/L	229.62760184	-	0.00333333	0.00333333	0.00333333	220.86007947	224.20081260	243.82191346
Cu 324.754	Cu	0.00333333	mg/L	1306.32313274	-	0.00333333	0.00333333	0.00333333	1320.09624321	1306.73705985	1292.13609515
Fe 259.940	Fe	0.00666667	mg/L	661.29227595	-	0.00666667	0.00666667	0.00666667	646.77061878	673.10280524	664.00340382
K 766.491	K-R	0.50000000	mg/L	741.88860657	-	0.50000000	0.50000000	0.50000000	857.20465939	704.89591825	663.56524207
Li 670.783	Li-R	0.00333333	mg/L	363.03241605	-	0.00333333	0.00333333	0.00333333	309.20803596	446.41146466	333.47774754
Mg 279.800	Mg-R	0.10000000	mg/L	287.69746391	-	0.10000000	0.10000000	0.10000000	295.57630376	287.93299111	279.58309684
Mn 257.610	Mn	0.00333333	mg/L	1785.19317259	-	0.00333333	0.00333333	0.00333333	1701.10610298	1777.95413941	1876.51927538
Mo 204.598	Mo	0.00333333	mg/L	61.20049189	-	0.00333333	0.00333333	0.00333333	61.01908104	60.12272638	62.45966827
Na 589.592	Na-R	0.50000000	mg/L	7357.55132700	-	0.50000000	0.50000000	0.50000000	7461.16484296	7326.93846706	7284.55067098
Ni 231.604	Ni	0.00333333	mg/L	251.82452576	-	0.00333333	0.00333333	0.00333333	76.09533339	586.44979591	92.92844799
P 177.434	P	1.00000000	mg/L	165.44719521	-	1.00000000	1.00000000	1.00000000	158.16856030	164.81885350	173.35417183
Pb 220.353	Pb	0.00333333	mg/L	64.48541325	-	0.00333333	0.00333333	0.00333333	56.20864113	55.35271742	81.89488121
S 181.972	S	1.00000000	mg/L	1371.45735838	-	1.00000000	1.00000000	1.00000000	1309.63405571	1386.41400670	1418.32401272
Sb 206.834	Sb	0.01000010	mg/L	3.55288572	-	0.01000010	0.01000010	0.01000010	6.09067534	3.36553521	1.20244661
Se 196.026	Se	0.01000001	mg/L	80.63801375	-	0.01000001	0.01000001	0.01000001	84.09963172	68.96743781	88.84697173
Si 251.611	Si	0.10000000	mg/L	912.43429227	-	0.10000000	0.10000000	0.10000000	863.02264954	921.91610807	952.36411921
Sn 189.925	Sn	0.00333333	mg/L	52.66870347	-	0.00333333	0.00333333	0.00333333	60.12424724	46.82606430	51.05579885
Sr 421.552	Sr-R	0.01666667	mg/L	7393.73585265	-	0.01666667	0.01666667	0.01666667	7363.89252776	7353.74730623	7463.56772396
Ti 334.941	Ti	0.00333333	mg/L	1228.94994086	-	0.00333333	0.00333333	0.00333333	1153.10820810	1300.89526182	1232.84635266
Tl 190.794	Tl	0.01000010	mg/L	22.35710316	-	0.01000010	0.01000010	0.01000010	20.07981065	26.95705692	20.03444191
V 292.401	V	0.00166667	mg/L	69.26186431	-	0.00166667	0.00166667	0.00166667	58.28821407	56.41317582	93.08420303
Zn 206.200	Zn	0.01000010	mg/L	769.94448767	-	0.01000010	0.01000010	0.01000010	740.57595525	766.32365608	802.93385169
Y 371.029	Y	1.00	Ratio	874949.79	1.00	0.99	1.00	1.01	866475.98	874371.40	884001.98
Y 371.029	Y-R	1.01	Ratio	202020.45	1.10	1.02	1.01	1.00	204423.14	201600.98	200037.22

Instrument ID: MET09

Label:	ICAL,L2,S17109,10x	**Rack:Tube:**	S1:3	**Type:**	STD
Date Time:	10/12/2022 9:20:01 AM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	240.51812621	-				280.61203080	232.05026267	208.89208517
Al 396.152	Al	0.02000000	mg/L	1959.78508722	-	0.02000000	0.02000000	0.02000000	1926.92770000	2001.05525800	1951.37230366
As 188.980	As	0.01000000	mg/L	72.45072189	-	0.01000000	0.01000000	0.01000000	67.62405138	83.11432114	66.61379315
B 249.678	B	0.01000000	mg/L	462.90282116	-	0.01000000	0.01000000	0.01000000	489.57484209	438.86539747	460.26822394
Ba 230.424	Ba	0.01000000	mg/L	1144.73248357	-	0.01000000	0.01000000	0.01000000	1086.99386871	1164.43830498	1182.76527701
Be 313.107	Be	0.00500000	mg/L	10556.15506646	-	0.00500000	0.00500000	0.00500000	10050.42866480	10668.97432598	10949.06220861
Ca 317.933	Ca-R		mg/L	3453.95926294	-				3457.60782580	3444.44542624	3459.82453677
Cd 214.439	Cd	0.00500000	mg/L	1060.55561828	-	0.00500000	0.00500000	0.00500000	1015.56589776	1076.86986917	1089.23108791
Co 230.786	Co	0.00500000	mg/L	249.07383337	-	0.00500000	0.00500000	0.00500000	244.44257454	244.50056574	258.27835982
Cr 267.716	Cr	0.01000000	mg/L	637.50018054	-	0.01000000	0.01000000	0.01000000	614.30754174	633.23630973	664.95669015
Cu 324.754	Cu	0.01000000	mg/L	1589.92782720	-	0.01000000	0.01000000	0.01000000	1574.63825838	1592.40997436	1602.73524886
Fe 259.940	Fe	0.02000000	mg/L	1359.18469001	-	0.02000000	0.02000000	0.02000000	1291.68586801	1374.64113120	1411.22707081
K 766.491	K-R		mg/L	753.85067635	-				647.89796272	801.20602038	812.44804594
Li 670.783	Li-R	0.01000000	mg/L	1092.40905154	-	0.01000000	0.01000000	0.01000000	1083.47920212	1066.90631130	1126.84164121
Mg 279.800	Mg-R		mg/L	285.56925847	-				285.67661834	286.27541271	284.75574435
Mn 257.610	Mn	0.01000000	mg/L	4818.29509575	-	0.01000000	0.01000000	0.01000000	4562.27156992	4892.18215662	5000.43156073
Mo 204.598	Mo	0.01000000	mg/L	137.83172551	-	0.01000000	0.01000000	0.01000000	129.53010183	136.13771095	147.82736375
Na 589.592	Na-R		mg/L	7174.85331063	-				7290.56545359	7176.25549529	7057.73898302
Ni 231.604	Ni	0.01000000	mg/L	346.82066031	-	0.01000000	0.01000000	0.01000000	216.58827363	244.27613120	579.59757608
P 177.434	P		mg/L	161.93563175	-				154.86753450	164.29053442	166.64882633
Pb 220.353	Pb	0.01000000	mg/L	137.68970160	-	0.01000000	0.01000000	0.01000000	137.76650684	133.10145545	142.20114251
S 181.972	S		mg/L	1365.05340371	-				1322.31830605	1371.96320832	1400.87869676
Sb 206.834	Sb	0.03000030	mg/L	112.08709126	-	0.03000030	0.03000030	0.03000030	111.87165293	107.88807353	116.50154732
Se 196.026	Se	0.03000003	mg/L	143.47394803	-	0.03000003	0.03000003	0.03000003	139.74519991	150.55193232	140.12471186
Si 251.611	Si		mg/L	893.73348163	-				854.26778327	891.60608149	935.32658012
Sn 189.925	Sn	0.01000000	mg/L	127.42072028	-	0.01000000	0.01000000	0.01000000	118.38650634	136.90318514	126.97246935
Sr 421.552	Sr-R	0.05000000	mg/L	21841.96058875	-	0.05000000	0.05000000	0.05000000	21860.16554442	22068.90241105	21596.81381079
Ti 334.941	Ti	0.01000000	mg/L	3370.28596155	-	0.01000000	0.01000000	0.01000000	3218.91803639	3351.59877083	3540.34107742
Tl 190.794	Tl	0.03000030	mg/L	92.61092660	-	0.03000030	0.03000030	0.03000030	91.28418397	93.81190366	92.73669218
V 292.401	V	0.00500000	mg/L	196.01341664	-	0.00500000	0.00500000	0.00500000	186.82502993	201.95813224	199.25708775
Zn 206.200	Zn	0.03000030	mg/L	2031.79326970	-	0.03000030	0.03000030	0.03000030	1952.26289897	2069.26995160	2073.84695853
Y 371.029	Y	1.00	Ratio	870397.42	0.39	0.99	1.00	1.00	866657.11	871201.77	873333.38
Y 371.029	Y-R	1.00	Ratio	200553.49	0.44	1.00	1.00	1.01	200437.53	199734.96	201487.98

Instrument ID: MET09

Label:	ICAL,L3,S17109	**Rack:Tube:**	S1:4	**Type:**	STD
Date Time:	10/12/2022 9:23:23 AM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	196.02616302	-				195.28873545	171.63384904	221.15590458
Al 396.152	Al	0.20000000	mg/L	8380.71204855	-	0.20000000	0.20000000	0.20000000	8085.35767879	8363.69812220	8693.08034466
As 188.980	As	0.10000000	mg/L	479.10175193	-	0.10000000	0.10000000	0.10000000	463.79507933	483.51238082	489.99779564
B 249.678	B	0.10000000	mg/L	3511.16095045	-	0.10000000	0.10000000	0.10000000	3376.53629263	3535.21398591	3621.73257282
Ba 230.424	Ba	0.10000000	mg/L	10065.94136747	-	0.10000000	0.10000000	0.10000000	9579.37677891	10122.73202672	10495.71529679
Be 313.107	Be	0.05000000	mg/L	107349.85116404	-	0.05000000	0.05000000	0.05000000	102303.10346782	107987.52804571	111758.92197857
Ca 317.933	Ca-R		mg/L	2396.56069432	-				2400.23166155	2369.38246405	2420.06795737
Cd 214.439	Cd	0.05000000	mg/L	10451.53413752	-	0.05000000	0.05000000	0.05000000	10003.23449034	10514.57669185	10836.79123038
Co 230.786	Co	0.05000000	mg/L	1939.66824133	-	0.05000000	0.05000000	0.05000000	1848.29623863	1966.18658856	2004.52189680
Cr 267.716	Cr	0.10000000	mg/L	6441.85300740	-	0.10000000	0.10000000	0.10000000	6159.36649541	6477.73068090	6688.46184590
Cu 324.754	Cu	0.10000000	mg/L	5213.47845041	-	0.10000000	0.10000000	0.10000000	5069.72001126	5210.96180479	5359.75353518
Fe 259.940	Fe	0.20000000	mg/L	11918.33625225	-	0.20000000	0.20000000	0.20000000	11416.14891898	11995.66927587	12343.19056189
K 766.491	K-R		mg/L	26.44073447	-				7.36281002	-4.75384668	76.71324007
Li 670.783	Li-R	0.10000000	mg/L	10856.75715447	-	0.10000000	0.10000000	0.10000000	10896.37107473	10823.62175100	10850.27863768
Mg 279.800	Mg-R		mg/L	57.32808121	-				51.87768609	61.44593607	58.66062149
Mn 257.610	Mn	0.10000000	mg/L	46667.70946769	-	0.10000000	0.10000000	0.10000000	44247.27859054	47164.53093856	48591.31887398
Mo 204.598	Mo	0.10000000	mg/L	1188.14531742	-	0.10000000	0.10000000	0.10000000	1143.43834463	1191.90401411	1229.09359353
Na 589.592	Na-R		mg/L	2445.01293394	-				2593.30731397	2411.96523738	2329.76625046
Ni 231.604	Ni	0.10000000	mg/L	2195.73601456	-	0.10000000	0.10000000	0.10000000	2105.08872371	2195.73340029	2286.38591967
P 177.434	P		mg/L	1.73641318	-				2.23027072	2.01692422	0.96204459
Pb 220.353	Pb	0.10000000	mg/L	1202.15437960	-	0.10000000	0.10000000	0.10000000	1147.74437080	1219.01283168	1239.70593632
S 181.972	S		mg/L	206.76158367	-				210.68968104	207.26538829	202.32968169
Sb 206.834	Sb	0.30000300	mg/L	1257.37306083	-	0.30000300	0.30000300	0.30000300	1192.13874621	1266.30942751	1313.67100876
Se 196.026	Se	0.30000030	mg/L	1132.72184633	-	0.30000030	0.30000030	0.30000030	1082.21262233	1138.85268159	1177.10023507
Si 251.611	Si		mg/L	99.59032642	-				111.89023185	83.56836310	103.31238431
Sn 189.925	Sn	0.10000000	mg/L	1184.94285897	-	0.10000000	0.10000000	0.10000000	1136.45622627	1198.64835633	1219.72399430
Sr 421.552	Sr-R	0.50000000	mg/L	218063.17828193	-	0.50000000	0.50000000	0.50000000	219418.61738120	217812.67280418	216958.24466042
Ti 334.941	Ti	0.10000000	mg/L	33690.43716786	-	0.10000000	0.10000000	0.10000000	32152.70580515	34003.67288550	34914.93281295
Tl 190.794	Tl	0.30000300	mg/L	1086.26981495	-	0.30000300	0.30000300	0.30000300	1021.52232298	1098.78784625	1138.49927563
V 292.401	V	0.05000000	mg/L	1859.39071547	-	0.05000000	0.05000000	0.05000000	1766.68976104	1860.79474647	1950.68763890
Zn 206.200	Zn	0.30000300	mg/L	18886.11902922	-	0.30000300	0.30000300	0.30000300	18052.31907851	19006.23331428	19599.80469486
Y 371.029	Y	1.01	Ratio	877323.23	0.92	1.00	1.01	1.02	868672.48	878693.01	884604.21
Y 371.029	Y-R	1.02	Ratio	203317.15	0.21	1.01	1.02	1.02	202857.26	203376.71	203717.46

Instrument ID: MET09

Label:	ICAL,L4,S17108	**Rack:Tube:**	S1:5	**Type:**	STD
Date Time:	10/12/2022 9:26:45 AM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	193.37131786	-				201.06243678	191.31262789	187.73888891
Al 396.152	Al	2.00000000	mg/L	71259.71979352	-	2.00000000	2.00000000	2.00000000	68279.40735860	71584.97276438	73914.77925757
As 188.980	As	1.00000000	mg/L	4482.44984679	-	1.00000000	1.00000000	1.00000000	4281.27439558	4511.40662877	4654.66851601
B 249.678	B	1.00000000	mg/L	34259.90471692	-	1.00000000	1.00000000	1.00000000	32813.64341569	34380.61018870	35585.46054638
Ba 230.424	Ba	1.00000000	mg/L	98393.14172704	-	1.00000000	1.00000000	1.00000000	94849.67416243	98659.31123868	101670.43978002
Be 313.107	Be	0.50000000	mg/L	1073103.35651673	-	0.50000000	0.50000000	0.50000000	1019449.87466840	1084236.07789406	1115624.11698774
Ca 317.933	Ca-R		mg/L	2385.36433897	-				2409.05669600	2369.83968619	2377.19663472
Cd 214.439	Cd	0.50000000	mg/L	103107.18029337	-	0.50000000	0.50000000	0.50000000	99480.03673240	103443.97313192	106397.53101580
Co 230.786	Co	0.50000000	mg/L	19392.75505137	-	0.50000000	0.50000000	0.50000000	18492.82529167	19517.31885466	20168.12100778
Cr 267.716	Cr	1.00000000	mg/L	63213.74035231	-	1.00000000	1.00000000	1.00000000	60427.18083011	63591.11740393	65622.92282289
Cu 324.754	Cu	1.00000000	mg/L	42185.36512001	-	1.00000000	1.00000000	1.00000000	40292.07723438	42487.63250677	43776.38561888
Fe 259.940	Fe	2.00000000	mg/L	114683.83231319	-	2.00000000	2.00000000	2.00000000	109639.60395423	115204.88177559	119207.01120977
K 766.491	K-R		mg/L	149.50024403	-				159.97586619	98.42147932	190.10338657
Li 670.783	Li-R	1.00000000	mg/L	108851.48805918	-	1.00000000	1.00000000	1.00000000	108789.97156036	107926.78060573	109837.71201145
Mg 279.800	Mg-R		mg/L	71.68671510	-				66.40192086	71.57344903	77.08477541
Mn 257.610	Mn	1.00000000	mg/L	460025.43145129	-	1.00000000	1.00000000	1.00000000	441982.89984408	461954.40263892	476138.99187088
Mo 204.598	Mo	1.00000000	mg/L	11622.30190869	-	1.00000000	1.00000000	1.00000000	11072.24940750	11693.42387683	12101.23244174
Na 589.592	Na-R		mg/L	7863.99251911	-				8044.77689516	7740.82088139	7806.37978077
Ni 231.604	Ni	1.00000000	mg/L	21961.27928173	-	1.00000000	1.00000000	1.00000000	20914.76593160	22151.64826488	22817.42364870
P 177.434	P		mg/L	1.74943817	-				2.55252274	2.07692349	0.61886829
Pb 220.353	Pb	1.00000000	mg/L	11707.67117035	-	1.00000000	1.00000000	1.00000000	11181.00465717	11803.61682333	12138.39203055
S 181.972	S		mg/L	210.45531948	-				212.09699145	207.16643177	212.10253522
Sb 206.834	Sb	3.00003000	mg/L	12763.73381603	-	3.00003000	3.00003000	3.00003000	12189.54159488	12847.55005433	13254.10979887
Se 196.026	Se	3.00000300	mg/L	10831.13498204	-	3.00000300	3.00000300	3.00000300	10350.23827416	10930.79515391	11212.37151804
Si 251.611	Si		mg/L	215.20718027	-				220.48720583	207.56926993	217.56506506
Sn 189.925	Sn	1.00000000	mg/L	11541.33899711	-	1.00000000	1.00000000	1.00000000	11058.84516039	11612.28036034	11952.89147060
Sr 421.552	Sr-R	5.00000000	mg/L	2182500.69284189	-	5.00000000	5.00000000	5.00000000	2209961.27863097	2166573.45731505	2170967.34257965
Ti 334.941	Ti	1.00000000	mg/L	336268.29801061	-	1.00000000	1.00000000	1.00000000	320304.66543175	337394.53141136	351105.69718871
Tl 190.794	Tl	3.00003000	mg/L	10930.63641928	-	3.00003000	3.00003000	3.00003000	10376.66567705	11005.70310756	11409.54047323
V 292.401	V	0.50000000	mg/L	18424.53677995	-	0.50000000	0.50000000	0.50000000	17582.22872822	18524.57617522	19166.80543640
Zn 206.200	Zn	3.00003000	mg/L	185038.41616061	-	3.00003000	3.00003000	3.00003000	178315.53104569	185383.23333090	191416.48410522
Y 371.029	Y	1.01	Ratio	875828.65	0.96	1.00	1.01	1.01	866988.95	876832.55	883664.45
Y 371.029	Y-R	1.01	Ratio	202230.66	0.70	1.01	1.02	1.01	201516.12	203869.57	201306.27

Instrument ID: MET09

Label:	ICAL,L5,S17107,2X	**Rack:Tube:**	S1:6	**Type:**	STD
Date Time:	10/12/2022 9:30:07 AM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	117.43823728	-				70.97251954	162.76085099	118.58134131
Al 396.152	Al	10.00000000	mg/L	361783.45375915	-	10.00000000	10.00000000	10.00000000	343606.83080892	364242.12532602	377501.40514250
As 188.980	As	5.00000000	mg/L	22630.81812688	-	5.00000000	5.00000000	5.00000000	21528.59150932	22817.88269163	23545.98017969
B 249.678	B	5.00000000	mg/L	173636.48463126	-	5.00000000	5.00000000	5.00000000	164585.12682293	174988.89597865	181335.43109221
Ba 230.424	Ba	5.00000000	mg/L	488528.95967236	-	5.00000000	5.00000000	5.00000000	460287.10559255	493890.06894321	511409.70448133
Be 313.107	Be	2.50000000	mg/L	5441443.77266758	-	2.50000000	2.50000000	2.50000000	5160033.30022889	5467800.94149673	5696497.07627713
Ca 317.933	Ca-R		mg/L	2292.63474805	-				2281.64903290	2319.75471651	2276.50049474
Cd 214.439	Cd	2.50000000	mg/L	502684.97797314	-	2.50000000	2.50000000	2.50000000	468815.50801989	511279.52226275	527959.90363679
Co 230.786	Co	2.50000000	mg/L	96823.82142687	-	2.50000000	2.50000000	2.50000000	92375.79051068	97433.81253809	100661.86123184
Cr 267.716	Cr	5.00000000	mg/L	317253.88982413	-	5.00000000	5.00000000	5.00000000	302090.35737859	319541.05517272	330130.25692109
Cu 324.754	Cu	5.00000000	mg/L	209815.40297061	-	5.00000000	5.00000000	5.00000000	199568.35654038	211110.70515525	218767.14721621
Fe 259.940	Fe	10.00000000	mg/L	569826.59493174	-	10.00000000	10.00000000	10.00000000	543442.74917189	573362.97019197	592674.06543135
K 766.491	K-R		mg/L	95.41403235	-				112.96160350	128.85571234	44.42478121
Li 670.783	Li-R	5.00000000	mg/L	543992.06402626	-	5.00000000	5.00000000	5.00000000	537675.99307428	549089.19609740	545211.00290710
Mg 279.800	Mg-R		mg/L	136.28842633	-				136.79482902	128.20654914	143.86390083
Mn 257.610	Mn	5.00000000	mg/L	2281258.82422600	-	5.00000000	5.00000000	5.00000000	2173861.40299479	2297640.43528162	2372274.63440159
Mo 204.598	Mo	5.00000000	mg/L	58373.45552899	-	5.00000000	5.00000000	5.00000000	55291.04085315	59002.07846124	60827.24727258
Na 589.592	Na-R		mg/L	31330.46137745	-				31235.72511724	31612.77831649	31142.88069861
Ni 231.604	Ni	5.00000000	mg/L	109537.03403402	-	5.00000000	5.00000000	5.00000000	104603.20559576	110047.31961653	113960.57688977
P 177.434	P		mg/L	0.19918122	-				0.39276647	0.10613689	0.09864030
Pb 220.353	Pb	5.00000000	mg/L	57842.07002236	-	5.00000000	5.00000000	5.00000000	55022.57331596	58358.05753475	60145.57921637
S 181.972	S		mg/L	215.59923205	-				208.45427027	216.97312034	221.37030556
Sb 206.834	Sb	15.00015000	mg/L	64830.38171729	-	15.00015000	15.00015000	15.00015000	61626.08142971	65235.86967216	67629.19405000
Se 196.026	Se		mg/L	31.38986253	-				25.79787023	34.15171441	34.22000295
Si 251.611	Si		mg/L	1063.99538251	-				989.17611762	1076.57692491	1126.23310499
Sn 189.925	Sn	5.00000000	mg/L	57750.48691107	-	5.00000000	5.00000000	5.00000000	55260.50202157	58411.41138646	59579.54732518
Sr 421.552	Sr-R	25.00000000	mg/L	10775583.31761570	-	25.00000000	25.00000000	25.00000000	10651951.69642440	10892263.13506510	10782535.12135750
Ti 334.941	Ti	5.00000000	mg/L	1692797.50526762	-	5.00000000	5.00000000	5.00000000	1605761.00445809	1693730.39451109	1778901.11683369
Tl 190.794	Tl	15.00015000	mg/L	54092.51722082	-	15.00015000	15.00015000	15.00015000	51112.49830471	54457.51009465	56707.54326311
V 292.401	V	2.50000000	mg/L	93107.62805209	-	2.50000000	2.50000000	2.50000000	88465.89618982	93878.22523506	96978.76273139
Zn 206.200	Zn	15.00015000	mg/L	907715.32687285	-	15.00015000	15.00015000	15.00015000	862051.14668381	912984.58892030	948110.24501444
Y 371.029	Y	1.02	Ratio	889045.08	0.70	1.01	1.02	1.03	882223.71	890437.16	894474.36
Y 371.029	Y-R	1.02	Ratio	204791.48	1.21	1.04	1.01	1.02	207260.90	202323.37	204790.16

Instrument ID: MET09

Label:	ICAL,L6,S17107	**Rack:Tube:**	S1:7	**Type:**	STD
Date Time:	10/12/2022 9:33:29 AM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	141.44737124	-				113.34545817	140.17350004	170.82315550
Al 396.152	Al	20.00000000	mg/L	724363.00137472	-	20.00000000	20.00000000	20.00000000	688455.29362075	728926.17962315	755707.53088027
As 188.980	As	10.00000000	mg/L	45370.36826996	-	10.00000000	10.00000000	10.00000000	43065.04266261	45763.72029181	47282.34185545
B 249.678	B	10.00000000	mg/L	352273.20621581	-	10.00000000	10.00000000	10.00000000	333026.85545912	357310.30792565	366482.45526266
Ba 230.424	Ba	10.00000000	mg/L	980495.27762086	-	10.00000000	10.00000000	10.00000000	930002.49570186	992725.39224376	1018757.94491695
Be 313.107	Be	5.00000000	mg/L	10914669.14264510	-	5.00000000	5.00000000	5.00000000	10379787.18291830	10966309.56586340	11397910.67915370
Ca 317.933	Ca-R		mg/L	2341.37049934	-				2366.45744075	2322.36110650	2335.29295078
Cd 214.439	Cd	5.00000000	mg/L	1005868.50195282	-	5.00000000	5.00000000	5.00000000	952510.41204353	1020731.63761403	1044363.45620089
Co 230.786	Co	5.00000000	mg/L	193938.14955059	-	5.00000000	5.00000000	5.00000000	184536.27928584	195498.46488991	201779.70447601
Cr 267.716	Cr	10.00000000	mg/L	634231.69418650	-	10.00000000	10.00000000	10.00000000	603126.42663605	638911.98243104	660656.67349241
Cu 324.754	Cu	10.00000000	mg/L	427033.73018418	-	10.00000000	10.00000000	10.00000000	403164.22855258	431661.80903173	446275.15296822
Fe 259.940	Fe	20.00000000	mg/L	1136199.59228711	-	20.00000000	20.00000000	20.00000000	1080624.17615911	1144639.06614353	1183335.53455871
K 766.491	K-R		mg/L	165.97234876	-				153.76303468	212.12828810	132.02572351
Li 670.783	Li-R	10.00000000	mg/L	1087609.50888616	-	10.00000000	10.00000000	10.00000000	1095788.11652840	1082168.09591361	1084872.31421648
Mg 279.800	Mg-R		mg/L	222.97671197	-				232.60200828	226.60425807	209.72386955
Mn 257.610	Mn	10.00000000	mg/L	4477541.63136559	-	10.00000000	10.00000000	10.00000000	4207722.11337432	4535542.57416600	4689360.20655647
Mo 204.598	Mo	10.00000000	mg/L	118593.11029801	-	10.00000000	10.00000000	10.00000000	112495.63628235	119430.51980326	123853.17480842
Na 589.592	Na-R		mg/L	61383.46089475	-				61975.15325592	61028.30297934	61146.92644897
Ni 231.604	Ni	10.00000000	mg/L	219382.85082954	-	10.00000000	10.00000000	10.00000000	208902.13104192	221024.89711140	228221.52433529
P 177.434	P		mg/L	0.50962832	-				2.66335088	-0.10194157	-1.03252436
Pb 220.353	Pb	10.00000000	mg/L	115380.81898803	-	10.00000000	10.00000000	10.00000000	109690.57582174	116414.23826111	120037.64288123
S 181.972	S		mg/L	255.02390011	-				257.45566653	255.62228366	251.99375015
Sb 206.834	Sb	30.00030000	mg/L	130598.26105853	-	30.00030000	30.00030000	30.00030000	124020.66085650	131601.97611821	136172.14620087
Se 196.026	Se		mg/L	46.04781856	-				40.55398782	43.30609176	54.28337611
Si 251.611	Si		mg/L	1508.75295570	-				1407.44282522	1523.71023364	1595.10580824
Sn 189.925	Sn	10.00000000	mg/L	116005.92961792	-	10.00000000	10.00000000	10.00000000	110298.34074373	117013.58759711	120705.86051291
Sr 421.552	Sr-R	50.00000000	mg/L	20992550.38596760	-	50.00000000	50.00000000	50.00000000	21064811.07011120	20753447.41187350	21159392.67591820
Ti 334.941	Ti	10.00000000	mg/L	3382703.08184600	-	10.00000000	10.00000000	10.00000000	3188801.63297881	3402262.84080702	3557044.77175217
Tl 190.794	Tl	30.00030000	mg/L	109004.28963153	-	30.00030000	30.00030000	30.00030000	103045.94337473	110088.47344774	113878.45207212
V 292.401	V	5.00000000	mg/L	188068.27037001	-	5.00000000	5.00000000	5.00000000	178662.61082231	189245.54265687	196296.65763084
Zn 206.200	Zn	30.00030000	mg/L	1777228.01845106	-	30.00030000	30.00030000	30.00030000	1676432.70285324	1803040.62610368	1852210.72639624
Y 371.029	Y	0.98	Ratio	857530.40	0.63	0.98	0.98	0.99	852549.88	856740.29	863301.03
Y 371.029	Y-R	1.00	Ratio	200561.58	0.72	0.99	1.01	1.01	198904.38	201262.37	201517.99

Instrument ID: MET09

Label:	ICAL,L7,S17316	**Rack:Tube:**	S1:8	**Type:**	STD
Date Time:	10/12/2022 9:36:50 AM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	2.00000000	mg/L	165939.36232340	-	2.00000000	2.00000000	2.00000000	157716.25351614	167059.03744113	173042.79601293
Al 396.152	Al		mg/L	1162.01732407	-				1173.62251764	1167.56818503	1144.86126954
As 188.980	As		mg/L	21.34304008	-				25.38435236	21.68248286	16.96228502
B 249.678	B		mg/L	428.32505373	-				520.76376473	427.83184911	336.37954736
Ba 230.424	Ba		mg/L	214.36021449	-				228.88846569	198.89371331	215.29846449
Be 313.107	Be		mg/L	578.16483131	-				681.82883587	603.78956953	448.87608852
Ca 317.933	Ca-R		mg/L	2295.11152993	-				2288.30619381	2291.26356835	2305.76482761
Cd 214.439	Cd		mg/L	83.37943413	-				96.29523749	76.99508918	76.84797573
Co 230.786	Co		mg/L	79.28657908	-				70.66532436	87.31762096	79.87679191
Cr 267.716	Cr		mg/L	48.97651951	-				59.42558540	36.85402959	50.64994353
Cu 324.754	Cu		mg/L	1170.25068625	-				1181.60187238	1191.72181365	1137.42837274
Fe 259.940	Fe		mg/L	318.40945667	-				353.38104173	292.76314929	309.08417898
K 766.491	K-R		mg/L	105.22084451	-				63.79202207	101.00583918	150.86467227
Li 670.783	Li-R		mg/L	24.61298739	-				11.89773298	22.58297032	39.35825886
Mg 279.800	Mg-R		mg/L	59.75425006	-				51.40102716	68.96508534	58.89663768
Mn 257.610	Mn		mg/L	358.58126926	-				402.88637758	369.99218828	302.86524192
Mo 204.598	Mo		mg/L	38.53292045	-				39.05482538	41.77281762	34.77111835
Na 589.592	Na-R		mg/L	1600.25008512	-				1750.59040878	1536.83244141	1513.32740519
Ni 231.604	Ni		mg/L	27.54938977	-				32.22128930	31.28239927	19.14448074
P 177.434	P		mg/L	1.72580285	-				1.47595859	1.96886020	1.73258976
Pb 220.353	Pb		mg/L	29.63445035	-				32.71074316	21.44759306	34.74501484
S 181.972	S		mg/L	202.18413255	-				204.12297155	205.48391658	196.94550953
Sb 206.834	Sb		mg/L	-16.10405318	-				1.87748518	-15.12426300	-35.06538171
Se 196.026	Se		mg/L	32.52173657	-				31.96123678	38.45313875	27.15083417
Si 251.611	Si		mg/L	84.33642261	-				96.78162310	80.15315759	76.07448714
Sn 189.925	Sn		mg/L	25.98105262	-				30.32743310	26.75086893	20.86485583
Sr 421.552	Sr-R		mg/L	309.97653570	-				315.69863211	326.63354621	287.59742879
Ti 334.941	Ti		mg/L	440.66737176	-				432.66709278	444.15526151	445.17976099
Tl 190.794	Tl		mg/L	9.36377727	-				7.36260047	13.07793596	7.65079537
V 292.401	V		mg/L	20.72512818	-				16.24068802	14.85983434	31.07486219
Zn 206.200	Zn		mg/L	205.53630447	-				229.52910505	213.81982387	173.25998451
Y 371.029	Y	1.01	Ratio	878229.64	0.92	1.00	1.01	1.02	869107.50	881154.26	884427.15
Y 371.029	Y-R	1.01	Ratio	203013.80	0.64	1.02	1.01	1.01	204505.24	202157.72	202378.45

Instrument ID: MET09

Label:	ICAL,L8,S17115	**Rack:Tube:**	S1:9	**Type:**	STD
Date Time:	10/12/2022 9:40:12 AM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	279.52655638	-				287.26525664	271.97599383	279.33841867
Al 396.152	Al		mg/L	1363.85675568	-				1391.07733340	1368.32619167	1332.16674197
As 188.980	As		mg/L	18.79635534	-				15.52138410	20.20369857	20.66398336
B 249.678	B		mg/L	259.81457486	-				256.34687776	248.87641290	274.22043392
Ba 230.424	Ba		mg/L	201.72831858	-				208.14659043	188.69540621	208.34295912
Be 313.107	Be		mg/L	395.46105986	-				436.29248129	392.74140736	357.34929094
Ca 317.933	Ca-R	10.00000000	mg/L	114579.54012454	-	10.00000000	10.00000000	10.00000000	113984.23997885	115392.77548553	114361.60490924
Cd 214.439	Cd		mg/L	74.09624193	-				69.81266178	87.02684652	65.44921749
Co 230.786	Co		mg/L	82.77134403	-				77.48592863	88.76577089	82.06233258
Cr 267.716	Cr		mg/L	42.87072033	-				58.95284654	30.56734789	39.09196654
Cu 324.754	Cu		mg/L	1163.70209313	-				1176.60285051	1150.77541507	1163.72801381
Fe 259.940	Fe		mg/L	425.77927345	-				418.71236122	441.70928629	416.91617284
K 766.491	K-R	50.00000000	mg/L	69071.78723430	-	50.00000000	50.00000000	50.00000000	68580.09104141	69719.88111425	68915.38954723
Li 670.783	Li-R		mg/L	-17.77268151	-				-3.04358999	-3.70057658	-46.57387796
Mg 279.800	Mg-R	10.00000000	mg/L	22023.86661203	-	10.00000000	10.00000000	10.00000000	21914.81175338	22156.99344946	21999.79463326
Mn 257.610	Mn		mg/L	337.20327874	-				344.00291482	344.88881694	322.71810446
Mo 204.598	Mo		mg/L	29.93033267	-				25.86608604	33.65459474	30.27031722
Na 589.592	Na-R	50.00000000	mg/L	486198.75847712	-	50.00000000	50.00000000	50.00000000	483368.18322660	489692.45240028	485535.63980446
Ni 231.604	Ni		mg/L	32.79515364	-				23.24145034	37.02907146	38.11493911
P 177.434	P		mg/L	2.23632207	-				1.63901352	2.48241243	2.58754026
Pb 220.353	Pb		mg/L	28.37624533	-				33.77534915	26.24687114	25.10651569
S 181.972	S		mg/L	193.44368209	-				194.63833259	191.25597119	194.43674250
Sb 206.834	Sb		mg/L	-21.30119128	-				-23.82078511	-24.48297200	-15.59981674
Se 196.026	Se		mg/L	34.35351034	-				39.48367254	33.84924920	29.72760928
Si 251.611	Si	10.00000000	mg/L	82185.78848279	-	10.00000000	10.00000000	10.00000000	78793.74638417	82098.31904624	85665.30001796
Sn 189.925	Sn		mg/L	29.96761724	-				26.73503007	26.40899675	36.75882490
Sr 421.552	Sr-R		mg/L	278.74609106	-				286.63857861	297.67500456	251.92469003
Ti 334.941	Ti		mg/L	382.47182871	-				416.88871815	442.30004381	288.22672417
Tl 190.794	Tl		mg/L	1.92026192	-				-3.13364646	-2.05625677	10.95068900
V 292.401	V		mg/L	31.65080681	-				26.27579877	32.51753303	36.15908862
Zn 206.200	Zn		mg/L	210.98670716	-				220.31975377	212.97855610	199.66181161
Y 371.029	Y	1.01	Ratio	879031.52	0.49	1.00	1.01	1.01	874225.65	880263.30	882605.60
Y 371.029	Y-R	1.02	Ratio	203223.89	0.71	1.02	1.01	1.01	204788.35	201941.74	202941.59

Instrument ID: MET09

Label: ICAL,L9,S17113 | Rack:Tube: S1:10 | Type: STD

Date Time: 10/12/2022 9:43:34 AM | Flags: | Weight: -

Volume: - | Dilution: - | LIMS ID:

Customer: | Customer Ref.: | Sample Date Time:

Sample Site: | Description: | Flags Replicate 1:

Flags Replicate 2: | Flags Replicate 3:

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	209.75920052	-				106.00895373	312.74895798	210.51968985
Al 396.152	Al		mg/L	1158.89143609	-				1180.24426320	1148.93347601	1147.49656907
As 188.980	As		mg/L	29.81091139	-				31.01835369	32.63511862	25.77926187
B 249.678	B		mg/L	197.30868845	-				205.11042851	174.74955471	212.06608214
Ba 230.424	Ba		mg/L	189.16251102	-				196.55980462	185.09303471	185.83469374
Be 313.107	Be		mg/L	275.76062640	-				282.65264335	277.58987041	267.03936544
Ca 317.933	Ca-R		mg/L	2222.26005949	-				2250.29935728	2233.47037799	2183.01044319
Cd 214.439	Cd		mg/L	73.62919799	-				80.32070149	81.29217057	59.27472192
Co 230.786	Co		mg/L	75.79205600	-				90.13717812	70.27760344	66.96138643
Cr 267.716	Cr		mg/L	38.85032677	-				49.35691527	23.31428527	43.87977977
Cu 324.754	Cu		mg/L	1153.79629506	-				1162.45754717	1164.69442070	1134.23691730
Fe 259.940	Fe		mg/L	277.33888593	-				271.08541989	284.31951069	276.61172720
K 766.491	K-R		mg/L	119.96570395	-				141.46687598	127.72922942	90.70100645
Li 670.783	Li-R		mg/L	9.94460697	-				65.18863364	-42.63923899	7.28442627
Mg 279.800	Mg-R		mg/L	57.74889993	-				61.36353238	54.57147729	57.31169012
Mn 257.610	Mn		mg/L	211.99083115	-				219.04890915	217.93963097	198.98395334
Mo 204.598	Mo		mg/L	31.75018893	-				32.93547405	24.80913661	37.50595612
Na 589.592	Na-R		mg/L	1444.55767637	-				1582.34981917	1398.97277106	1352.35043888
Ni 231.604	Ni		mg/L	4.42224470	-				-1.60199477	16.67569008	-1.80696121
P 177.434	P	10.00000000	mg/L	1427.66890445	-	10.00000000	10.00000000	10.00000000	1371.72125812	1434.31031080	1476.97514443
Pb 220.353	Pb		mg/L	17.87777339	-				12.82326312	27.98423530	12.82582174
S 181.972	S	10.00000000	mg/L	11571.58266493	-	10.00000000	10.00000000	10.00000000	11108.22283134	11674.45623456	11932.06892889
Sb 206.834	Sb		mg/L	-21.08337035	-				-26.27789540	-18.49040273	-18.48181291
Se 196.026	Se		mg/L	37.04451645	-				35.62540479	41.84798322	33.66016133
Si 251.611	Si		mg/L	91.84468482	-				93.37961045	89.65918222	92.49526180
Sn 189.925	Sn		mg/L	16.59120155	-				22.25011152	11.00821099	16.51528213
Sr 421.552	Sr-R		mg/L	126.82851869	-				145.89893526	139.82570298	94.76091781
Ti 334.941	Ti		mg/L	159.87813276	-				85.70354249	272.52252123	121.40833456
Tl 190.794	Tl		mg/L	1.27182930	-				-0.86942537	4.64107589	0.04383737
V 292.401	V		mg/L	19.49169146	-				23.09165288	13.78549176	21.59792974
Zn 206.200	Zn		mg/L	167.82944299	-				175.85438955	180.16553069	147.46840871
Y 371.029	Y	1.03	Ratio	893774.96	0.62	1.02	1.03	1.03	887400.21	896453.70	897470.98
Y 371.029	Y-R	1.03	Ratio	206665.59	0.77	1.02	1.04	1.04	204882.58	207215.10	207899.10

Instrument ID: MET09

Label:	ICAL,L10,S17048	**Rack:Tube:**	S1:11	**Type:**	STD
Date Time:	10/12/2022 9:46:56 AM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	189.75850282	-				211.21695364	141.06146797	216.99708686
Al 396.152	Al		mg/L	14003.85703879	-				13362.13393935	14072.52268905	14576.91448798
As 188.980	As		mg/L	19.13050083	-				21.31184432	25.48642380	10.59323439
B 249.678	B		mg/L	193.65914113	-				199.50601591	196.96905282	184.50235465
Ba 230.424	Ba		mg/L	281.58908384	-				286.27443871	268.07991982	290.41289301
Be 313.107	Be		mg/L	296.36903500	-				326.46303067	323.50015442	239.14391991
Ca 317.933	Ca-R	200.00000000	mg/L	2200904.27565490	-	200.00000000	200.00000000	200.00000000	2195895.69742651	2208872.52528303	2197944.60425516
Cd 214.439	Cd		mg/L	81.62593378	-				81.83105307	78.73245969	84.31428856
Co 230.786	Co		mg/L	65.47068533	-				67.31269360	57.17270446	71.92665792
Cr 267.716	Cr		mg/L	50.86483780	-				55.44123599	38.98678331	58.16649411
Cu 324.754	Cu		mg/L	1244.82289580	-				1263.86366915	1239.88924712	1230.71577115
Fe 259.940	Fe		mg/L	1907.28296923	-				1836.12917328	1905.39651880	1980.32321560
K 766.491	K-R	200.00000000	mg/L	292135.11175114	-	200.00000000	200.00000000	200.00000000	291194.01982844	293159.50276522	292051.81265977
Li 670.783	Li-R		mg/L	178.85191333	-				200.14669438	230.64215534	105.76689028
Mg 279.800	Mg-R	200.00000000	mg/L	437901.45908903	-	200.00000000	200.00000000	200.00000000	436100.99046289	439686.26392940	437917.12287479
Mn 257.610	Mn		mg/L	846.86051234	-				822.99390291	831.76669960	885.82093451
Mo 204.598	Mo		mg/L	30.98923791	-				22.69922511	35.46380064	34.80468799
Na 589.592	Na-R	200.00000000	mg/L	2019678.41005594	-	200.00000000	200.00000000	200.00000000	2011556.40437761	2026260.38601249	2021218.43977773
Ni 231.604	Ni		mg/L	132.17360058	-				72.28229621	83.40374438	240.83476116
P 177.434	P		mg/L	2.93835371	-				1.95374766	3.76900005	3.09231341
Pb 220.353	Pb		mg/L	34.19064088	-				51.63906003	18.23402016	32.69884244
S 181.972	S		mg/L	228.46607316	-				226.29078043	225.36932152	233.73811754
Sb 206.834	Sb		mg/L	-31.05513564	-				-31.03771994	-27.37470471	-34.75298227
Se 196.026	Se		mg/L	27.83326676	-				27.84356866	33.82710266	21.82912897
Si 251.611	Si		mg/L	95.75558951	-				99.61067173	101.92577086	85.73032594
Sn 189.925	Sn		mg/L	17.96176626	-				15.22142074	16.14755440	22.51632364
Sr 421.552	Sr-R		mg/L	1299.93153212	-				1263.98640755	1343.26226389	1292.54592492
Ti 334.941	Ti		mg/L	125.11025798	-				116.39623489	186.91447473	72.02006433
Tl 190.794	Tl		mg/L	1.42405082	-				0.02574983	3.35228127	0.89412137
V 292.401	V		mg/L	15.90600747	-				17.97144508	14.41930099	15.32727636
Zn 206.200	Zn		mg/L	714.02331936	-				692.45670362	717.63938153	731.97387293
Y 371.029	Y	0.96	Ratio	836810.41	0.68	0.95	0.96	0.96	830216.76	840375.12	839839.35
Y 371.029	Y-R	0.96	Ratio	191941.94	0.58	0.97	0.95	0.96	193217.50	191175.00	191433.33

Instrument ID: MET09

Label:	ICV,S17413	**Rack:Tube:**	S1:12	**Type:**	QC
Date Time:	10/12/2022 9:50:18 AM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.49708595	mg/L	41479.56655327	3.91383613	0.47611902	0.50058422	0.51455461	39742.65440751	41769.36514272	42926.68010959
Al 396.152	Al	1.04242563	mg/L	40032.22607836	3.99358032	0.99874810	1.04687846	1.08165033	38405.58817178	40198.05818833	41493.03187496
As 188.980	As	1.03730965	mg/L	4728.99009163	3.57001906	0.99757507	1.04349293	1.07086097	4548.67329808	4757.04997679	4881.24700003
B 249.678	B	1.04211662	mg/L	35992.35800918	4.16728684	0.99570295	1.04888210	1.08176482	34403.40656907	36223.97114124	37349.69631722
Ba 230.424	Ba	0.96495644	mg/L	96850.23448288	3.87052874	0.92631057	0.96770187	1.00085689	92977.27474553	97125.37236796	100448.05633514
Be 313.107	Be	1.04041688	mg/L	2217530.17502159	4.09215148	0.99852482	1.03908155	1.08364427	2128247.87960789	2214684.24750118	2309658.39795570
Ca 317.933	Ca-R	101.42498094	mg/L	1122510.36645830	0.22671752	101.50667347	101.16534043	101.60292892	1123412.68389817	1119642.56260365	1124475.85287308
Cd 214.439	Cd	0.98219833	mg/L	201525.38678608	4.10404566	0.93946395	0.98759004	1.01954098	192759.25171789	202631.39433118	209185.51430917
Co 230.786	Co	0.99864915	mg/L	38243.95845506	3.78042856	0.95883719	1.00317459	1.03393568	36721.42465496	38417.02526866	39593.42544157
Cr 267.716	Cr	0.98012417	mg/L	62274.14223505	3.98842428	0.93887651	0.98486974	1.01662626	59654.27236611	62575.55988092	64592.59445812
Cu 324.754	Cu	1.02907795	mg/L	43903.53982762	3.86903978	0.98698407	1.03411401	1.06613576	42156.71590481	44112.52784930	45441.37572874
Fe 259.940	Fe	0.98734505	mg/L	58286.52874999	3.96086430	0.94617718	0.99185747	1.02400050	55872.53283684	58551.12740999	60435.92600313
K 766.491	K-R	108.05210352	mg/L	156577.64664093	0.28097631	107.94455402	107.81691758	108.39483897	156421.94535298	156237.16387510	157073.83069470
Li 670.783	Li-R	1.00329251	mg/L	109015.84367884	0.31580972	1.00138801	1.00153938	1.00695013	108808.92615777	108825.37237404	109413.23250471
Mg 279.800	Mg-R	101.15854226	mg/L	221787.29361044	0.29087195	101.16182701	100.86267181	101.45112795	221794.49312322	221138.80492162	222428.58278647
Mn 257.610	Mn	0.97539328	mg/L	452764.61851910	3.97869888	0.93419835	0.98071685	1.01126463	433650.62584211	455234.69706921	469408.53264598
Mo 204.598	Mo	1.06133173	mg/L	12408.37724651	3.86971719	1.01721602	1.06831834	1.09846082	11893.53337162	12489.91317095	12841.68519695
Na 589.592	Na-R	98.03912645	mg/L	989718.94569308	0.25066705	98.07187977	97.77864048	98.26685909	990045.94935195	987118.29746742	991992.59025987
Ni 231.604	Ni	0.97034418	mg/L	21295.73186638	3.80758785	0.93078911	0.97627952	1.00396391	20428.98878445	21425.78892358	22032.41789109
P 177.434	P	5.10736685	mg/L	765.12184931	3.85012605	4.89512461	5.14361499	5.28336097	733.39423672	770.54050042	791.43081079
Pb 220.353	Pb	0.97760791	mg/L	11322.10761441	3.79326985	0.93812559	0.98299529	1.01170286	10865.85883774	11384.36292935	11716.10107614
S 181.972	S	5.46099634	mg/L	6447.04222597	3.68747294	5.24130029	5.50488056	5.63680817	6196.93304026	6497.00145771	6647.19217996
Sb 206.834	Sb	0.99582274	mg/L	4392.25126796	3.45902249	0.95861144	1.00226296	1.02659383	4226.81598695	4420.88340594	4529.05441101
Se 196.026	Se	1.00619378	mg/L	3722.52381997	3.72293690	0.96615845	1.01202949	1.04039340	3575.80480100	3743.91015907	3847.85649984
Si 251.611	Si	5.61256607	mg/L	45569.93013952	4.27576107	5.35905930	5.64241179	5.83622712	43517.22406132	45811.59821320	47380.96814404
Sn 189.925	Sn	4.92641150	mg/L	57029.44826052	3.33065773	4.75506293	4.94206705	5.08210451	55046.41388631	57210.63156295	58831.29933229
Sr 421.552	Sr-R	1.01306332	mg/L	439955.96110312	0.33038096	1.01166210	1.01064469	1.01688316	439348.36570818	438907.19305840	441612.32454279
Ti 334.941	Ti	1.05955909	mg/L	349081.05881224	3.77529866	1.01466864	1.07258321	1.09142542	334301.20193263	353369.15766078	359572.81684331
Tl 190.794	Tl	1.05617799	mg/L	3596.48238325	3.45098440	1.01651045	1.06383144	1.08819209	3461.12239707	3622.59870686	3705.72604582
V 292.401	V	1.04527941	mg/L	38615.98324327	3.97361820	1.00138110	1.05049852	1.08395861	36994.95930749	38808.70810728	40044.28231503
Zn 206.200	Zn	0.96776559	mg/L	60854.28244412	3.83622420	0.92967582	0.96977546	1.00384549	58463.72328484	60980.42425934	63118.69978818
Y 371.029	Y	0.97	Ratio	844542.92	0.40	0.97	0.97	0.97	840755.70	845707.70	847165.36
Y 371.029	Y-R	0.97	Ratio	194728.53	0.15	0.97	0.97	0.97	194853.56	194932.62	194399.41

ENTHALPY INSTRUMENT BLANK FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672410953013 File : icp data Time : 12-OCT-2022 09:53
Cal : 672410953001 Caldate : 12-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	871200	882917	1.34
Yttrium	R	200193	203738	1.77

Instrument ID: MET09

Label: ICB | **Rack:Tube:** S1:1 | **Type:** QC

Date Time: 10/12/2022 9:53:40 AM | **Weight:** - | **Volume:** -

Dilution: - | **LIMSID:** | **Customer:**

Customer Ref.: | **Sample Date Time:** | **Sample Site:**

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	-0.00020281	mg/L	241.43999047	219.95363680	-0.00071450	0.00010430	0.00000176	199.05146518	266.88168217	258.38682405	u		
Al 396.152	Al	u	-0.00198905	mg/L	1090.49479276	24.71579536	-0.00254919	-0.00162921	-0.00178875	1069.63412268	1103.89599463	1097.95426096	u	u	u
As 188.980	As	u	0.00171588	mg/L	29.15961019	130.62804244	0.00365772	-0.00073690	0.00222683	37.97171263	18.02879091	31.47832703		u	
B 249.678	B		0.00169283	mg/L	192.93260198	41.69753612	0.00189228	0.00227751	0.00090869	199.76072384	212.94889265	166.08818944			
Ba 230.424	Ba		0.00026507	mg/L	164.61429716	16.70599686	0.00027789	0.00021580	0.00030154	165.89833131	159.67594298	168.26861720			
Be 313.107	Be		0.00007279	mg/L	294.62824840	23.22929845	0.00008552	0.00007925	0.00005360	321.75453256	308.39052447	253.73968817			
Ca 317.933	Ca-R	u	0.00007769	mg/L	2186.18941871	2407.69068870	0.00205134	-0.00014904	-0.00166922	2207.98889500	2183.68508829	2166.89427286		u	u
Cd 214.439	Cd		0.00008014	mg/L	64.37551902	59.45141645	0.00003229	0.00008055	0.00012758	54.56064916	64.45873711	74.10717078			
Co 230.786	Co		0.00031309	mg/L	73.34864975	119.92583492	0.00018705	0.00073536	0.00001685	68.52841452	89.49784192	62.01969281			
Cr 267.716	Cr	u	0.00023115	mg/L	27.34516520	140.54207822	0.00059683	-0.00002408	0.00012069	50.57171977	11.13433385	20.32944200		u	
Cu 324.754	Cu	u	-0.00038922	mg/L	1151.57564509	53.45389023	-0.00023276	-0.00062533	-0.00030956	1158.06830414	1141.77750946	1154.88112166	u	u	u
Fe 259.940	Fe	u	-0.00201986	mg/L	121.75969227	3.31716356	-0.00209421	-0.00200124	-0.00196415	117.40027048	122.85194500	125.02686132	u	u	u
K 766.491	K-R	u	0.01032157	mg/L	144.41417317	224.23291230	0.03029751	0.01570837	-0.01504115	173.33367866	152.21272615	107.69611471			u
Li 670.783	Li-R	u	-0.00022620	mg/L	-24.19811749	178.20151494	-0.00027596	0.00019946	-0.00060212	-29.60354218	22.04912218	-65.03993248	u		u
Mg 279.800	Mg-R	u	-0.00359191	mg/L	57.12504957	85.85282210	-0.00693988	-0.00296808	-0.00086776	49.78696301	58.49235188	63.09583381	u	u	u
Mn 257.610	Mn		0.00009907	mg/L	174.19316060	48.58679341	0.00008301	0.00006102	0.00015319	166.74206920	156.53634217	199.30107043			
Mo 204.598	Mo	u	0.00011309	mg/L	23.65757692	386.00222823	0.00054826	0.00011574	-0.00032475	28.73624500	23.68858304	18.54790272			u
Na 589.592	Na-R	u	-0.09258997	mg/L	1434.59195911	16.89459790	-0.07545382	-0.09621249	-0.10610359	1605.67638944	1398.42529460	1299.67419328	u	u	u
Ni 231.604	Ni	u	-0.00057499	mg/L	-0.51916910	84.88930631	-0.00109592	-0.00012818	-0.00050088	-11.93381932	9.27153373	1.10477830	u	u	u
P 177.434	P	u	0.00458994	mg/L	2.39631660	221.99565140	0.00265288	0.01560889	-0.00449196	2.10675051	4.04351520	1.03868407			u
Pb 220.353	Pb	u	0.00007207	mg/L	25.96637874	623.76578443	0.00050738	0.00009928	-0.00039046	30.99671216	26.28088084	20.62154322			u
S 181.972	S	u	-0.03439892	mg/L	187.02262160	9.47784220	-0.03793047	-0.03376254	-0.03150375	183.00219208	187.74710098	190.31857174	u	u	u
Sb 206.834	Sb		0.00102998	mg/L	-30.95302737	34.64309336	0.00114516	0.00131498	0.00062980	-30.44095571	-29.68596657	-32.73215983			
Se 196.026	Se	u	-0.00105122	mg/L	27.64203803	41.03542057	-0.00066227	-0.00151518	-0.00097621	29.06742906	25.94174890	27.91693613	u	u	u
Si 251.611	Si	u	-0.00592615	mg/L	73.78785118	6.67252001	-0.00551520	-0.00630396	-0.00595930	77.11542783	70.72863280	73.51949292	u	u	u
Sn 189.925	Sn	u	0.00050546	mg/L	20.67365527	89.76895605	0.00079640	-0.00001737	0.00073734	24.04076018	14.62294474	23.35726089		u	
Sr 421.552	Sr-R	u	-0.00002394	mg/L	85.08410721	335.21627026	-0.00005720	-0.00008222	0.00006760	70.66265303	59.81181467	124.77785393	u	u	
Ti 334.941	Ti	u	-0.00023116	mg/L	148.66709970	55.51328414	-0.00014638	-0.00037880	-0.00016831	176.58221277	100.05919803	169.35988832	u	u	u
Tl 190.794	Tl		0.00222530	mg/L	-0.88913189	60.50515618	0.00377431	0.00156605	0.00133554	4.39663892	-3.13871972	-3.92531487			
V 292.401	V	u	-0.00004329	mg/L	12.95398485	670.58218698	-0.00017416	-0.00024515	0.00028943	8.12149545	5.49999131	25.24046779	u	u	
Zn 206.200	Zn	u	-0.00002349	mg/L	88.52101078	448.06181259	0.00003770	0.00003686	-0.00014503	92.36137113	92.30878701	80.89287421			u
Y 371.029	Y		1.01	Ratio	882917.17	0.71	1.01	1.02	1.02	875773.98	885608.98	887368.54			
Y 371.029	Y-R		1.02	Ratio	203738.07	0.81	1.01	1.02	1.02	201852.90	204884.26	204477.06			

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672410953015 File : icp data Time : 12-OCT-2022 11:01
Cal : 672410953001 Caldate : 12-OCT-2022
Standards: S17207

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.004081	0.003333	mg/L	!a+

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	378.3	mg/L	95	
Aluminum as Al2O3	A	755.8	714.8	mg/L	95	
Iron	A	160.0	141.7	mg/L	89	
Iron as Fe2O3	A	228.8	202.5	mg/L	89	
Calcium	R	400.0	389.5	mg/L	97	
Calcium as CaCO3	R	998.9	972.6	mg/L	97	
Magnesium	R	400.0	401.0	mg/L	100	
Magnesium as MgCO3	R	1388	1391	mg/L	100	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	871200	808254	-7.23
Yttrium	R	200193	187825	-6.18

!=warning +=high bias a=ICSA

Instrument ID: MET09

Label: ICSA,S17207 | Rack:Tube: S1:14 | Type: QC

Date Time: 10/12/2022 11:01:25 AM | Weight: - | Volume: -

Dilution: - | LIMSID: | Customer:

Customer Ref.: | Sample Date Time: | Sample Site:

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	bu	-0.00351809	mg/L	219.87427480	4.35347176	-0.00367667	-0.00337100	-0.00350659	206.73707469	232.05891817	220.82683154	u	u	u
Al 396.152	Al	bo	378.30403487	mg/L	14090234.15903190	3.42463205	364.48112708	380.26160689	390.16937064	13575441.60988790	14163138.03052620	14532122.83668170	o	o	o
As 188.980	As	bu	0.00058191	mg/L	31.34920902	562.04527459	0.00266113	0.00227256	-0.00318797	40.78480076	39.02145357	14.24137272			u
B 249.678	B	bu	-0.02316688	mg/L	90.45139693	3.44109721	-0.02237769	-0.02315109	-0.02397185	117.46881648	90.99174343	62.89363088	u	u	u
Ba 230.424	Ba	b	0.00098045	mg/L	418.27355827	10.86829358	0.00086087	0.00106532	0.00101517	406.28888147	426.77893963	421.75285370			
Be 313.107	Be	bu	-0.00000581	mg/L	197.24103730	195.56412309	-0.00000030	-0.00001888	0.00000175	208.99142652	169.38542729	213.34625810	u	u	
Ca 317.933	Ca-R	bo	389.45184968	mg/L	4304398.02344627	0.24301027	388.95311880	388.85911138	390.54331885	4298889.39796706	4297851.05910128	4316453.61327049	o	o	o
Cd 214.439	Cd	b	0.00043280	mg/L	987.57739194	14.70509259	0.00044461	0.00048972	0.00036408	989.99896664	999.25238717	973.48082200			
Co 230.786	Co	b	0.00157046	mg/L	115.96065927	15.21765483	0.00156814	0.00133264	0.00181060	115.87190698	106.86572918	125.14434164			
Cr 267.716	Cr	b	0.00033496	mg/L	151.10185461	43.42438309	0.00016828	0.00043620	0.00040039	140.51521849	157.53234748	155.25799785			
Cu 324.754	Cu	bu	-0.00331903	mg/L	1050.29655112	37.93934855	-0.00228129	-0.00295589	-0.00471992	1093.36099965	1065.36658597	992.16206774	u	u	u
Fe 259.940	Fe	bo	141.66087969	mg/L	8308200.72843738	3.97263396	135.45108668	143.10761374	146.42393864	7944071.71643227	8393034.12651987	8587496.34236000	o	o	o
K 766.491	K-R	bu	-0.02976633	mg/L	101.76251998	82.79375264	-0.03921688	-0.04828701	-0.00179509	88.08079383	74.94980643	142.25695969	u	u	u
Li 670.783	Li-R	b	0.00184599	mg/L	275.53703510	41.44722988	0.00259799	0.00106840	0.00187159	357.23897123	191.05450133	278.31763275			
Mg 279.800	Mg-R	bo	401.01754089	mg/L	879145.58119184	0.41419852	399.73289178	400.42649309	402.89323782	876329.88791742	877850.12291215	883256.73274594	o	o	o
Mn 257.610	Mn	bu	-0.00000561	mg/L	367.60453508	105.22763040	-0.00001215	-0.00000069	-0.00000399	364.56859909	369.88747765	368.35752849	u	u	u
Mo 204.598	Mo	bu	-0.00071099	mg/L	89.36803979	29.75684193	-0.00080421	-0.00085994	-0.00046882	88.28011377	87.62976567	92.19423993	u	u	u
Na 589.592	Na-R	bu	-0.12191198	mg/L	2016.93751997	6.43428598	-0.11334460	-0.12364990	-0.12874145	2102.47277833	1999.58647899	1948.75330261	u	u	u
Ni 231.604	Ni	bu	-0.00011329	mg/L	102.51945089	203.39386265	-0.00025631	-0.00023610	0.00015253	99.38568201	99.82852469	108.34414598	u	u	
P 177.434	P	bu	0.00899491	mg/L	2.88989557	114.26253484	0.01798521	-0.00220950	0.01120901	4.23383615	1.21497394	3.22087662		u	
Pb 220.353	Pb	b	0.00408123	mg/L	-850.73959488	48.57233645	0.00523786	0.00521359	0.00179226	-837.37393177	-837.65434107	-877.19051181			
S 181.972	S	b	0.02231553	mg/L	274.59406132	21.15367021	0.01739237	0.02275089	0.02680332	268.98938162	275.08969319	279.70310915			
Sb 206.834	Sb	bu	-0.00365643	mg/L	-23.65232259	90.85391098	-0.00338815	-0.00047670	-0.00710445	-22.45959063	-9.51573617	-38.98164098	u	u	u
Se 196.026	Se	bu	-0.00200529	mg/L	31.06428913	171.31488592	-0.00003662	-0.00597205	-0.00000719	38.27895314	16.52712057	38.38679368	u	u	u
Si 251.611	Si	bu	-0.01179165	mg/L	76.04700408	21.22034177	-0.00979154	-0.01098593	-0.01459747	92.24238323	82.57108875	53.32754025	u	u	u
Sn 189.925	Sn	bu	-0.00051778	mg/L	17.13352346	158.47692377	0.00016512	-0.00029041	-0.00142805	25.03676259	19.76491966	6.59888812		u	u
Sr 421.552	Sr-R	bu	-0.00070953	mg/L	7814.87855162	15.45550611	-0.00063414	-0.00083533	-0.00065913	7847.57216952	7760.32825952	7836.73522584	u	u	u
Ti 334.941	Ti	bu	-0.00011561	mg/L	267.06923287	297.03781678	-0.00003192	-0.00049312	0.00017821	294.62469595	142.77611921	363.80688346	u	u	
Tl 190.794	Tl	bu	0.00023103	mg/L	2.17331370	361.68335506	0.00111064	0.00013469	-0.00055223	5.17485780	1.84454431	-0.49946102			u
V 292.401	V	bu	-0.00192965	mg/L	-384.73352386	38.33009009	-0.00176355	-0.00128719	-0.00273822	-378.59987010	-361.00939946	-414.59130203	u	u	u
Zn 206.200	Zn	b	0.00258425	mg/L	464.88267304	5.04255486	0.00262516	0.00268920	0.00243839	467.45002339	471.46953004	455.72846569			
Y 371.029	Y		0.93	Ratio	808254.36	0.73	0.92	0.93	0.94	803796.54	805978.37	814988.16			
Y 371.029	Y-R		0.94	Ratio	187824.54	0.23	0.94	0.94	0.94	188119.41	188033.54	187320.67			

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672410953016 File : icp data Time : 12-OCT-2022 11:04
Cal : 672410953001 Caldate : 12-OCT-2022
Standards: S17208

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9655	mg/L	-3	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	871200	810031	-7.02
Yttrium	R	200193	188673	-5.75

Instrument ID: MET09

Label: ICSAB,S17208 | Rack:Tube: S1:15 | Type: QC

Date Time: 10/12/2022 11:04:48 AM | Weight: - | Volume: -

Dilution: - | LIMSID: | Customer:

Customer Ref.: | Sample Date Time: | Sample Site:

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	b	1.02267118	mg/L	85230.59148628	4.72476749	0.96995257	1.03321051	1.06485045	80863.35284375	86103.67590279	88724.74571232			
Al 396.152	Al	bo	373.01378173	mg/L	13893217.30972040	4.55495286	354.85497894	375.66092348	388.52544277	13216947.41658770	13991802.12767900	14470902.38489460	o	o	o
As 188.980	As	b	0.00153738	mg/L	35.67335900	88.10258199	0.00310077	0.00071794	0.00079342	42.76810272	31.95472158	32.29725271			
B 249.678	B	bu	-0.02192279	mg/L	134.89814568	3.02709547	-0.02119073	-0.02248495	-0.02209269	159.95976573	115.65293820	129.08173310	u	u	u
Ba 230.424	Ba	b	0.48235256	mg/L	48660.01469882	4.92699855	0.45603376	0.48878218	0.50224173	46022.43341683	49304.36999070	50653.24068894			
Be 313.107	Be	b	0.50913268	mg/L	1085296.91061276	4.53637483	0.48420723	0.51338115	0.52980968	1032174.62602932	1094351.42690475	1129364.67890421			
Ca 317.933	Ca-R	bo	388.59505365	mg/L	4294937.81699605	0.50446239	386.33690607	389.85983125	389.58842361	4269995.92988980	4308907.64813266	4305909.87296568	o	o	o
Cd 214.439	Cd	b	0.95674494	mg/L	197156.95673340	5.04719577	0.90371922	0.96832422	0.99819139	186279.74911852	199532.22279126	205658.89829042			
Co 230.786	Co	b	0.47462036	mg/L	18206.62800598	4.30430649	0.45285274	0.47763165	0.49337670	17374.16601629	18321.78917109	18923.92883056			
Cr 267.716	Cr	b	0.48423630	mg/L	30886.46998962	4.39228344	0.46144993	0.48769489	0.50356407	29439.18000502	31106.14487180	32114.08509202			
Cu 324.754	Cu	b	0.52908862	mg/L	23144.81812262	4.69236045	0.50210648	0.53419277	0.55096661	22025.10545324	23356.63165194	24052.71726268			
Fe 259.940	Fe	bo	139.98952215	mg/L	8210198.89956335	4.19624590	133.53509504	141.41043220	145.02303920	7831725.06579802	8293518.03311640	8505353.59977563	o	o	o
K 766.491	K-R	bu	-0.03585139	mg/L	92.85578228	109.14227743	-0.05863042	0.00933039	-0.05825414	59.87818187	158.26623128	60.42293370	u		u
Li 670.783	Li-R	b	0.00160948	mg/L	250.77580073	28.23464266	0.00199719	0.00110941	0.00172186	292.89855485	196.44416279	262.98468457			
Mg 279.800	Mg-R	bo	401.48952738	mg/L	880180.24784112	0.54231555	399.44066075	403.77587163	401.25204977	875689.54300819	885191.45598112	879659.74453406	o	o	o
Mn 257.610	Mn	b	0.47452394	mg/L	220545.34700097	4.44394789	0.45182374	0.47824435	0.49350374	210012.69947001	222271.57720868	229351.76432422			
Mo 204.598	Mo	bu	0.00075350	mg/L	106.51263816	227.66619099	-0.00079662	0.00046055	0.00259657	88.42226703	103.09383317	128.02181428	u		
Na 589.592	Na-R	bu	-0.22394596	mg/L	5122.73858505	3.40688689	-0.21708905	-0.22258403	-0.23216478	5191.19679038	5136.33578907	5040.68317571	u	u	u
Ni 231.604	Ni	b	0.92924424	mg/L	20467.08532966	4.23936325	0.88723965	0.93512696	0.96536610	19546.66771531	20595.98948825	21258.59878542			
P 177.434	P	bu	-0.00184558	mg/L	1.26319203	209.39309742	-0.00568368	0.00204484	-0.00189791	0.68944401	1.84476181	1.25537025	u		u
Pb 220.353	Pb	b	0.96551908	mg/L	10258.53752500	3.95392251	0.92432306	0.97253168	0.99970251	9782.48566442	10339.57351192	10653.55339867			
S 181.972	S	b	0.01499696	mg/L	266.30791993	46.87451901	0.00688652	0.01934017	0.01876420	257.07472165	271.25236558	270.59667256			
Sb 206.834	Sb	b	0.00521766	mg/L	15.72274201	48.99868068	0.00228635	0.00638050	0.00698612	2.69063263	20.89256945	23.58502394			
Se 196.026	Se	bu	-0.00547662	mg/L	18.38591560	10.07450523	-0.00494317	-0.00604500	-0.00544170	20.34088464	16.30297794	18.51388420	u	u	u
Si 251.611	Si	bu	-0.01197112	mg/L	75.11662002	14.84403283	-0.00991922	-0.01299545	-0.01299869	91.73134581	66.82238812	66.79612613	u	u	u
Sn 189.925	Sn	bu	0.00029668	mg/L	26.59485317	150.87138649	0.00080756	0.00010899	-0.00002653	32.50737967	24.42275753	22.85442229			u
Sr 421.552	Sr-R	bu	-0.00087737	mg/L	7762.70594008	13.46301739	-0.00097953	-0.00074803	-0.00090456	7718.40933331	7818.79231379	7750.91617313	u	u	u
Ti 334.941	Ti	bu	-0.00049311	mg/L	143.70746367	12.03179864	-0.00053184	-0.00042481	-0.00052268	130.95517587	166.19615416	133.97106098	u	u	u
Tl 190.794	Tl	b	0.00105461	mg/L	5.02206093	46.69473218	0.00123141	0.00049817	0.00143424	5.62538283	3.12329063	6.31750934			
V 292.401	V	b	0.51929363	mg/L	18862.49371191	4.49617406	0.49442393	0.52271356	0.54074340	17944.13540866	18988.78058603	19654.56514105			
Zn 206.200	Zn	b	0.91952468	mg/L	58013.68079597	4.50983664	0.87574344	0.92461992	0.95821069	55265.91781979	58333.46368347	60441.66088465			
Y 371.029	Y		0.93	Ratio	810031.13	0.14	0.93	0.93	0.93	808886.08	809998.23	811209.08			
Y 371.029	Y-R		0.94	Ratio	188672.77	0.84	0.95	0.93	0.94	190342.84	187172.40	188503.07			

ENTHALPY CONTINUING CALIBRATION FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672410953029 File : icp data Time : 12-OCT-2022 12:26
Cal : 672410953001 Caldate : 12-OCT-2022
Standards: S17413

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	13325	11449	1.000	0.9886	mg/L	-1	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	871200	853677	-2.01
Yttrium	R	200193	198554	-0.82

Instrument ID: MET09

Label:	CCV,S17413	**Rack:Tube:**	S1:12	**Type:**	QC
Date Time:	10/12/2022 12:26:37 PM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.50343737	mg/L	42005.38272304	3.28857520	0.48601154	0.50534194	0.51895864	40561.81709762	42163.15783204	43291.17323944
Al 396.152	Al	1.05484578	mg/L	40494.40391868	3.54104045	1.01592566	1.05820837	1.09040331	39044.94132097	40619.63336815	41818.63706693
As 188.980	As	1.05451375	mg/L	4807.05853583	2.85025502	1.02439072	1.05464761	1.08450293	4670.35925300	4807.66598057	4943.15037393
B 249.678	B	1.05456720	mg/L	36417.49406053	3.21660784	1.01889615	1.05839071	1.08641473	35196.31177331	36548.39030902	37507.78009927
Ba 230.424	Ba	0.98084572	mg/L	98442.54658709	3.12449617	0.95011177	0.98102141	1.01140398	95362.49304583	98460.15371188	101504.99300357
Be 313.107	Be	1.05705280	mg/L	2252985.39043550	3.10514986	1.02383378	1.05785957	1.08946505	2182187.47270653	2254704.81871961	2322063.87988037
Ca 317.933	Ca-R	101.62682012	mg/L	1124739.14500772	0.12875620	101.47789079	101.67921710	101.72335246	1123094.17789524	1125317.88473532	1125805.37239261
Cd 214.439	Cd	0.99847024	mg/L	204863.29190001	3.11187820	0.97021167	0.99345514	1.03174392	199066.58824176	203834.53945700	211688.74800128
Co 230.786	Co	1.01353376	mg/L	38813.27196489	3.28394957	0.98244038	1.00951718	1.04864372	37624.16386965	38659.66536574	40155.98665929
Cr 267.716	Cr	0.99572048	mg/L	63264.68277340	3.16331154	0.96424514	0.99567574	1.02724057	61265.50740085	63261.84059702	65266.70032234
Cu 324.754	Cu	1.04218840	mg/L	44447.30792368	3.30890643	1.00560226	1.04686866	1.07409428	42929.04552441	44641.53082610	45771.34742053
Fe 259.940	Fe	0.99913300	mg/L	58976.24743810	3.17774036	0.96679954	1.00033433	1.03026514	57080.28209068	59046.69045582	60801.76976778
K 766.491	K-R	107.26357064	mg/L	155435.89319817	0.22382427	106.98845949	107.37155070	107.43070174	155037.61000296	155592.21780716	155677.85178440
Li 670.783	Li-R	0.99622208	mg/L	108247.61000702	0.24903318	0.99339183	0.99802092	0.99725349	107940.11203797	108443.04845759	108359.66952549
Mg 279.800	Mg-R	100.71756516	mg/L	220820.74127916	0.21885708	100.46949439	100.79226536	100.89093574	220277.01988881	220984.46913894	221200.73480974
Mn 257.610	Mn	0.98554070	mg/L	457472.41074393	3.21280491	0.95321901	0.98690093	1.01650217	442475.49922071	458103.54012541	471838.19288567
Mo 204.598	Mo	1.07635130	mg/L	12583.65578124	3.26008152	1.03986622	1.07933172	1.10985597	12157.86366945	12618.43816498	12974.66550928
Na 589.592	Na-R	97.70294131	mg/L	986294.38500895	0.29726105	97.36825652	97.85182358	97.88874381	982952.94822342	987780.80071417	988149.40608925
Ni 231.604	Ni	0.99419034	mg/L	21818.03634383	3.57842648	0.95311393	1.01520280	1.01425428	20917.95737567	22278.46791586	22257.68373995
P 177.434	P	7.08118064	mg/L	1060.18338332	2.86273656	6.89156842	7.05712130	7.29485221	1031.83868177	1056.58680657	1092.12466161
Pb 220.353	Pb	0.98860349	mg/L	11449.17144842	2.89515323	0.96073569	0.98715120	1.01792357	11127.13753240	11432.38915955	11787.98765330
S 181.972	S	5.82417576	mg/L	6860.46247206	2.88371020	5.65517949	5.82628344	5.99106436	6668.07157679	6862.86192203	7050.45391736
Sb 206.834	Sb	1.01077943	mg/L	4458.74823319	3.18941473	0.97596401	1.01677661	1.03959768	4303.96464622	4485.41069494	4586.86935840
Se 196.026	Se	1.02301372	mg/L	3784.12265778	2.89142256	0.99321062	1.02346581	1.05236474	3674.90207094	3785.77944809	3891.68645433
Si 251.611	Si	5.67804548	mg/L	46100.13289062	3.71326620	5.45225654	5.71208299	5.86979691	44271.86488432	46375.74290186	47652.79088569
Sn 189.925	Sn	5.01536117	mg/L	58058.86041832	3.42171133	4.86618118	4.97699366	5.20290866	56332.38531533	57614.82936903	60229.36657059
Sr 421.552	Sr-R	1.01425099	mg/L	440467.60937833	0.26258516	1.01143420	1.01459061	1.01672816	439246.19065179	440614.87487636	441541.76260684
Ti 334.941	Ti	1.07649146	mg/L	354655.86891563	3.62115622	1.03774831	1.07601919	1.11570689	341899.96497135	354500.37622160	367567.26555395
Tl 190.794	Tl	1.07272660	mg/L	3652.94440952	3.12832591	1.03690508	1.07783976	1.10343497	3530.70842203	3670.39234344	3757.73246308
V 292.401	V	1.05606344	mg/L	39014.16492551	3.20792457	1.02112853	1.05828740	1.08877439	37724.13070063	39096.28863858	40222.07543733
Zn 206.200	Zn	0.97758054	mg/L	61470.05295546	3.44076396	0.95155664	0.96562323	1.01556175	59836.76175971	60719.59811464	63853.79899204
Y 371.029	Y	0.98	Ratio	853677.40	0.20	0.98	0.98	0.98	851727.12	854520.33	854784.77
Y 371.029	Y-R	0.99	Ratio	198553.93	0.23	0.99	0.99	0.99	198741.64	198894.99	198025.15

ENTHALPY INSTRUMENT BLANK FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672410953030 File : icp data Time : 12-OCT-2022 12:29
Cal : 672410953001 Caldate : 12-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	871200	891031	2.28
Yttrium	R	200193	207271	3.54

Instrument ID: MET09

Label: CCB | **Rack:Tube:** S1:1 | **Type:** QC

Date Time: 10/12/2022 12:29:58 PM | **Weight:** - | **Volume:** -

Dilution: - | **LIMS ID:** | **Customer:**

Customer Ref.: | **Sample Date Time:** | **Sample Site:**

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	-0.00042632	mg/L	222.92556626	215.46664206	-0.00068059	0.00059261	-0.00119097	201.86134471	307.33366201	159.58169207	u		u
Al 396.152	Al	u	-0.00200722	mg/L	1089.81896957	15.99130494	-0.00237403	-0.00186987	-0.00177777	1076.15851517	1094.93412358	1098.36426996	u	u	u
As 188.980	As	u	0.00023850	mg/L	22.45517406	415.01302815	0.00107856	-0.00085270	0.00048966	26.26735857	17.50325534	23.59490828		u	
B 249.678	B	u	0.00081107	mg/L	162.75957447	120.73687021	0.00167411	0.00101229	-0.00025317	192.30506244	169.64799934	126.32566164			u
Ba 230.424	Ba		0.00021469	mg/L	159.56447721	33.39399381	0.00014636	0.00020836	0.00028933	152.71763006	158.93069749	167.04510407			
Be 313.107	Be		0.00006218	mg/L	272.01274999	41.85338604	0.00007218	0.00008172	0.00003264	293.32677358	313.65526116	209.05621523			
Ca 317.933	Ca-R	u	-0.00144536	mg/L	2169.36473544	193.57016373	-0.00395496	0.00157127	-0.00195240	2141.64555151	2202.68434759	2163.76430722	u		u
Cd 214.439	Cd		0.00005000	mg/L	58.19364437	38.20794737	0.00003471	0.00007142	0.00004387	55.05817371	62.58683006	56.93592934			
Co 230.786	Co	u	-0.00044076	mg/L	44.51934418	20.35190011	-0.00043067	-0.00035652	-0.00053508	44.90516799	47.74061719	40.91224737	u	u	u
Cr 267.716	Cr		0.00025872	mg/L	29.09681083	48.79932688	0.00040156	0.00021256	0.00016204	38.16932360	26.16481879	22.95629008			
Cu 324.754	Cu	u	0.00001333	mg/L	1168.27987357	5481.43488094	0.00050858	-0.00082614	0.00035757	1188.83157891	1133.44298050	1182.56506129		u	
Fe 259.940	Fe	u	-0.00202160	mg/L	121.65351942	10.37151132	-0.00191113	-0.00226341	-0.00189026	128.13096854	107.47450523	129.35508451	u	u	u
K 766.491	K-R	u	-0.02200212	mg/L	97.61861286	42.61579882	-0.01179352	-0.02398315	-0.03022969	112.39778291	94.75063628	85.70741940	u	u	u
Li 670.783	Li-R	u	-0.00158585	mg/L	-171.91890465	17.74876438	-0.00187317	-0.00131062	-0.00157378	-203.13463040	-142.01529030	-170.60679326	u	u	u
Mg 279.800	Mg-R	u	-0.00588449	mg/L	52.10055394	102.28227704	-0.00245044	-0.01283422	-0.00236879	59.62728680	36.86812512	59.80624990	u	u	u
Mn 257.610	Mn		0.00004346	mg/L	148.39278385	65.92320863	0.00002142	0.00003311	0.00007585	138.16635342	143.59097231	163.42102581			
Mo 204.598	Mo		0.00083346	mg/L	32.06430501	68.37555493	0.00018079	0.00123245	0.00108714	24.44738341	36.72067580	35.02485583			
Na 589.592	Na-R	u	-0.16255933	mg/L	735.55769925	4.57354827	-0.15407099	-0.16569161	-0.16791538	820.30384632	704.28548512	682.08376630	u	u	u
Ni 231.604	Ni	u	0.00189883	mg/L	53.68730190	184.79009386	0.00031321	0.00592062	-0.00053735	18.94274112	141.81408107	0.30508352			u
P 177.434	P	u	-0.00259590	mg/L	1.32211967	65.89088956	-0.00424117	-0.00082696	-0.00271959	1.07617267	1.58655569	1.30363065	u	u	u
Pb 220.353	Pb		0.00051827	mg/L	31.12494934	60.64339566	0.00018434	0.00080833	0.00056214	27.26614051	34.47678250	31.63192502			
S 181.972	S	u	-0.03212394	mg/L	189.61253278	7.61323266	-0.03244670	-0.02953291	-0.03439220	189.24508844	192.56224128	187.03026862	u	u	u
Sb 206.834	Sb	u	0.00052631	mg/L	-33.19196299	299.87060609	0.00234775	-0.00043565	-0.00033317	-25.09413019	-37.46868544	-37.01307333		u	u
Se 196.026	Se		0.00269752	mg/L	41.37987262	5.83496633	0.00264171	0.00257563	0.00287522	41.17534084	40.93317962	42.03109740			
Si 251.611	Si	u	-0.00516978	mg/L	79.91251025	5.23964775	-0.00523080	-0.00487360	-0.00540494	79.41839609	82.31078804	78.00834661	u	u	u
Sn 189.925	Sn		0.00099334	mg/L	26.31982896	73.56801528	0.00169212	0.00023430	0.00105359	34.40697808	17.53541330	27.01709550			
Sr 421.552	Sr-R	u	-0.00001566	mg/L	88.70717300	483.28199646	0.00007149	-0.00005378	-0.00006468	126.49379926	72.17652864	67.45119109		u	u
Ti 334.941	Ti	u	-0.00001665	mg/L	219.29161081	1762.46701583	0.00005313	0.00023569	-0.00033878	242.26714209	302.37386643	113.23382391			u
Tl 190.794	Tl		0.00275779	mg/L	0.92790144	7.37206520	0.00257619	0.00297743	0.00271974	0.30823012	1.67739492	0.79807929			
V 292.401	V	u	0.00006739	mg/L	17.04007117	350.43711419	0.00015836	-0.00020072	0.00024453	20.39934512	7.13947614	23.58139224		u	
Zn 206.200	Zn	u	-0.00017001	mg/L	79.32555037	87.20498203	-0.00013324	-0.00004360	-0.00033319	81.63311800	87.25941639	69.08411673	u	u	u
Y 371.029	Y		1.02	Ratio	891030.79	0.95	1.01	1.02	1.03	882144.35	891960.01	898988.02			
Y 371.029	Y-R		1.04	Ratio	207271.44	1.26	1.05	1.03	1.02	210153.27	206585.44	205075.61			

ENTHALPY CONTINUING CALIBRATION FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672410953041 File : icp data Time : 12-OCT-2022 13:07
Cal : 672410953001 Caldate : 12-OCT-2022
Standards: S17413

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	13325	11538	1.000	0.9963	mg/L	0	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	871200	851749	-2.23
Yttrium	R	200193	199175	-0.51

Instrument ID: MET09

Label:	CCV,S17413	**Rack:Tube:**	S1:12	**Type:**	QC
Date Time:	10/12/2022 1:07:00 PM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.50436927	mg/L	42082.80029931	3.44429551	0.48549541	0.50792249	0.51968993	40519.27868992	42377.15048537	43351.97172265
Al 396.152	Al	1.05760109	mg/L	40597.24515661	3.71761933	1.01486435	1.06570105	1.09223787	39005.64410044	40898.90378039	41887.18758900
As 188.980	As	1.06739727	mg/L	4865.52636052	3.11289509	1.03335233	1.06909862	1.09974087	4711.02931663	4873.24714268	5012.30262225
B 249.678	B	1.05882338	mg/L	36564.05676759	3.76282159	1.01484015	1.06913328	1.09249671	35058.31048169	36917.01176045	37716.84806062
Ba 230.424	Ba	0.98814339	mg/L	99173.93219860	2.84047617	0.95869565	0.99114403	1.01459049	96222.77844043	99474.64615615	101824.37199923
Be 313.107	Be	1.06526746	mg/L	2270492.87115503	3.62672193	1.02692828	1.06468385	1.10419024	2188782.63672891	2269249.06397506	2353446.91276110
Ca 317.933	Ca-R	102.08424060	mg/L	1129791.80101972	0.33348004	101.75232750	102.43259299	102.06780132	1126125.72562040	1133639.45298477	1129610.22445399
Cd 214.439	Cd	1.00919605	mg/L	207063.47419933	2.84295850	0.97842172	1.01395869	1.03520773	200750.71214616	208040.43904994	212399.27140189
Co 230.786	Co	1.02308779	mg/L	39178.60093232	2.58070508	0.99543290	1.02580141	1.04802906	38120.99137402	39282.37836027	40132.43306267
Cr 267.716	Cr	0.99672427	mg/L	63328.48254457	3.56735479	0.95903427	1.00146693	1.02967161	60934.57936632	63629.71536132	65421.15290605
Cu 324.754	Cu	1.04643604	mg/L	44623.74597282	3.37843850	1.00833603	1.05279194	1.07818016	43042.66053403	44887.50487900	45941.07250545
Fe 259.940	Fe	1.00420533	mg/L	59274.52024745	3.43845378	0.96736453	1.00942241	1.03582905	57114.25425706	59580.43853276	61128.86795253
K 766.491	K-R	107.62257933	mg/L	155955.74320324	0.48736484	107.03259840	108.03613394	107.79900564	155101.61758220	156554.45339221	156211.15863530
Li 670.783	Li-R	1.00013772	mg/L	108673.07715445	0.56554308	0.99388651	1.00490175	1.00162492	107993.90196763	109190.67369257	108834.65580316
Mg 279.800	Mg-R	101.23281563	mg/L	221950.08159561	0.26253163	100.93643206	101.44992983	101.31208499	221300.46824273	222425.95239785	222123.82414625
Mn 257.610	Mn	0.98548502	mg/L	457446.90297935	3.53921992	0.94815298	0.99106488	1.01723720	440125.24533906	460035.89534771	472179.56825129
Mo 204.598	Mo	1.08323517	mg/L	12663.99353020	3.68202740	1.03991548	1.09135368	1.11843635	12158.43938802	12758.73908528	13074.80211729
Na 589.592	Na-R	98.20569141	mg/L	991338.79560153	0.50386820	97.67646926	98.65684186	98.28376310	986055.13035130	995843.00613119	992118.25032210
Ni 231.604	Ni	0.99108417	mg/L	21750.09441770	3.51965761	0.95148067	1.00452355	1.01724829	20882.29018355	22044.58235873	22323.41071082
P 177.434	P	6.92840389	mg/L	1037.34476923	3.66391793	6.65649013	6.96955820	7.15916334	996.69699764	1043.49683377	1071.84047626
Pb 220.353	Pb	0.99630859	mg/L	11538.21117515	3.39115160	0.95940444	1.00380261	1.02571872	11111.75515213	11624.81039262	11878.06798069
S 181.972	S	5.88102497	mg/L	6925.20247514	3.16522223	5.67862356	5.91956671	6.04488465	6694.78207031	6969.07965206	7111.74570306
Sb 206.834	Sb	1.01501535	mg/L	4477.58228586	3.31160981	0.97792074	1.02367078	1.04345454	4312.66577389	4516.06287514	4604.01820854
Se 196.026	Se	1.04035371	mg/L	3847.69063437	3.01458132	1.00836598	1.04164441	1.07105075	3730.46395740	3852.42069638	3960.18724932
Si 251.611	Si	5.67352467	mg/L	46063.53050122	3.83681293	5.43856748	5.71365973	5.86834680	44161.02494319	46388.51383107	47641.05272941
Sn 189.925	Sn	5.08852614	mg/L	58905.61106566	3.45554559	4.90954290	5.09499867	5.26103684	56834.21987860	58980.51834127	60902.09497711
Sr 421.552	Sr-R	1.02140722	mg/L	443573.32290305	0.26522906	1.01913350	1.02440464	1.02068352	442587.38867446	444873.06698474	443259.51304995
Ti 334.941	Ti	1.08491616	mg/L	357429.66305085	4.22922580	1.03682033	1.08971847	1.12820969	341594.45618055	359010.78902440	371683.74394760
Tl 190.794	Tl	1.07886701	mg/L	3673.90238812	2.98091204	1.04622203	1.07985980	1.11051920	3562.50593635	3677.29015286	3781.91107517
V 292.401	V	1.06081693	mg/L	39189.71059863	3.63321882	1.01988382	1.06615632	1.09641064	37678.18197724	39386.87743575	40504.07238292
Zn 206.200	Zn	0.99096902	mg/L	62310.46840130	2.78217891	0.96251990	0.99281941	1.01756774	60524.96802991	62426.60100518	63979.83616882
Y 371.029	Y	0.98	Ratio	851749.22	0.31	0.97	0.98	0.98	848901.36	852246.79	854099.50
Y 371.029	Y-R	0.99	Ratio	199174.60	0.34	1.00	0.99	1.00	199775.64	198434.38	199313.78

ENTHALPY INSTRUMENT BLANK FOR 470460 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672410953042 File : icp data Time : 12-OCT-2022 13:10
Cal : 672410953001 Caldate : 12-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	871200	892687	2.47
Yttrium	R	200193	207957	3.88

Instrument ID: MET09

Label: CCB | **Rack:Tube:** S1:1 | **Type:** QC

Date Time: 10/12/2022 1:10:21 PM | **Weight:** - | **Volume:** -

Dilution: - | **LIMSID:** | **Customer:**

Customer Ref.: | **Sample Date Time:** | **Sample Site:**

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	-0.00052235	mg/L	214.97193964	48.36432817	-0.00023596	-0.00071359	-0.00061751	238.69692768	199.12991187	207.08897938	u	u	u
Al 396.152	Al	u	-0.00155734	mg/L	1106.57434886	36.99127319	-0.00097917	-0.00213131	-0.00156156	1128.10678173	1085.19881728	1106.41744756	u	u	u
As 188.980	As		0.00174901	mg/L	29.31003727	71.10952089	0.00315742	0.00128787	0.00080172	35.70147661	27.21740205	25.01123315			
B 249.678	B		0.00118482	mg/L	175.54746495	34.98944433	0.00150184	0.00133692	0.00071569	186.40065739	180.75464881	159.48708865			
Ba 230.424	Ba		0.00025809	mg/L	163.91795468	14.91900852	0.00027464	0.00028556	0.00021408	165.57625144	166.67041933	159.50719328			
Be 313.107	Be		0.00004913	mg/L	244.20819481	45.53845504	0.00005614	0.00006716	0.00002409	259.15536594	282.62618888	190.84302960			
Ca 317.933	Ca-R	u	-0.00112827	mg/L	2172.87554280	50.97881628	-0.00137877	-0.00153571	-0.00047032	2170.10867560	2168.37519788	2180.14275493	u	u	u
Cd 214.439	Cd	u	0.00000176	mg/L	48.30561335	1388.30062881	-0.00000333	-0.00001969	0.00002830	47.26107331	43.90511600	53.75065073	u	u	
Co 230.786	Co		0.00027216	mg/L	71.78338187	91.99653371	0.00056072	0.00014327	0.00011248	82.81887418	66.85429805	65.67697337			
Cr 267.716	Cr		0.00035276	mg/L	35.07086372	46.97227159	0.00054301	0.00024001	0.00027526	47.15452202	27.90979441	30.14827474			
Cu 324.754	Cu		0.00048967	mg/L	1188.04926419	72.78429565	0.00088528	0.00039007	0.00019366	1204.46629636	1183.91610387	1175.76539235			
Fe 259.940	Fe	u	-0.00128991	mg/L	164.57802237	20.24275568	-0.00101255	-0.00132620	-0.00153098	180.84177145	162.45019526	150.44210039	u	u	u
K 766.491	K-R	u	-0.02626782	mg/L	91.44224319	63.21607055	-0.00739280	-0.03278261	-0.03862804	118.76793731	82.01065820	73.54813404	u	u	u
Li 670.783	Li-R	u	-0.00133414	mg/L	-144.57049979	14.53778494	-0.00150377	-0.00112269	-0.00137595	-163.00110797	-121.59715495	-149.11323645	u	u	u
Mg 279.800	Mg-R	u	0.00088721	mg/L	66.94353077	526.06741633	-0.00034243	0.00604627	-0.00304219	64.24839353	78.25114194	58.33105682	u		u
Mn 257.610	Mn	u	0.00003313	mg/L	143.59676087	158.28944573	0.00000829	0.00009337	-0.00000227	132.07103560	171.54817775	127.17106926			u
Mo 204.598	Mo		0.00041086	mg/L	27.13427427	58.17610550	0.00024700	0.00030045	0.00068513	25.22201770	25.84571513	30.33508999			
Na 589.592	Na-R	u	-0.17346097	mg/L	628.00239636	8.52146890	-0.16245894	-0.16766123	-0.19026274	737.84480177	685.90600247	460.25638483	u	u	u
Ni 231.604	Ni	u	-0.00056629	mg/L	-0.32825508	56.75877127	-0.00072501	-0.00019638	-0.00077747	-3.80622568	7.77721617	-4.95575572	u	u	u
P 177.434	P	u	-0.00182938	mg/L	1.43670510	103.25201307	-0.00186440	-0.00370049	0.00007676	1.43146963	1.15699686	1.72164880	u	u	
Pb 220.353	Pb	u	-0.00108759	mg/L	12.54518658	69.06773700	-0.00160388	-0.00022583	-0.00143306	6.57905943	22.50346885	8.55303148	u	u	u
S 181.972	S	u	-0.03524934	mg/L	186.05469397	16.67848500	-0.02867699	-0.04000741	-0.03706361	193.53686881	180.63794925	183.98926384	u	u	u
Sb 206.834	Sb	u	-0.00100659	mg/L	-40.00725541	253.07370419	0.00001800	-0.00390678	0.00086900	-35.45209739	-52.90100097	-31.66866786		u	
Se 196.026	Se	u	-0.00065982	mg/L	29.07670968	121.36602735	-0.00008671	-0.00031793	-0.00157482	31.17699865	30.32964537	25.72348502	u	u	u
Si 251.611	Si	u	-0.00402643	mg/L	89.17189120	20.38195527	-0.00323563	-0.00487401	-0.00396965	95.57520641	82.30882880	89.63163839	u	u	u
Sn 189.925	Sn		0.00078653	mg/L	23.92665143	24.79717088	0.00076684	0.00099066	0.00060208	23.69876143	26.28913049	21.79206237			
Sr 421.552	Sr-R	u	-0.00010465	mg/L	50.23479187	16.39442271	-0.00010634	-0.00008672	-0.00012091	49.50229405	58.01381001	43.18827156	u	u	u
Ti 334.941	Ti	u	0.00018557	mg/L	285.87382816	148.72332813	0.00007298	-0.00001632	0.00050004	248.80515014	219.40317490	389.41315944		u	
Tl 190.794	Tl		0.00342480	mg/L	3.20413015	34.85769606	0.00220508	0.00347843	0.00459088	-0.95798749	3.38714775	7.18323020			
V 292.401	V	u	0.00010930	mg/L	18.58665540	251.89661570	0.00041956	-0.00010587	0.00001420	30.04366300	10.64118777	15.07511543		u	
Zn 206.200	Zn	u	-0.00015467	mg/L	80.29052064	45.07222987	-0.00008133	-0.00022008	-0.00016259	84.89312743	76.18501571	79.79341876	u	u	u
Y 371.029	Y		1.02	Ratio	892687.01	0.82	1.02	1.02	1.03	885744.74	892002.24	900314.04			
Y 371.029	Y-R		1.04	Ratio	207957.26	1.02	1.04	1.05	1.03	208198.71	209945.88	205727.19			

Enthalpy Sequence Summary for Sequence 482410953

Instrument : MET06 Begun : 10/12/22 09:13
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			10/12/22 09:13	1.0	1	
002	met06_master	ICAL	L1			10/12/22 09:16	1.0	2 1	
003	met06_master	ICAL	L2			10/12/22 09:20	1.0	3 1	
004	met06_master	ICAL	L3			10/12/22 09:23	1.0	4 1	
005	met06_master	ICAL	L4			10/12/22 09:26	1.0	5 1	
006	met06_master	ICAL	L5			10/12/22 09:29	1.0	6 1	
007	met06_master	ICAL	L6			10/12/22 09:33	1.0	7 1	
008	met06_master	ICAL	L7			10/12/22 09:36	1.0	8 1	
009	met06_master	ICAL	L8			10/12/22 09:39	1.0	9 1	
010	met06_master	ICV				10/12/22 09:43	1.0	10 1	
011	met06_master	CRI				10/12/22 09:46	1.0	11 1	
012	met06_master	ICB				10/12/22 09:49	1.0	1	
013	met06_master	ICSA				10/12/22 09:53	1.0	12 1	4:MGASMGCO3=1400
014	met06_master	ICSAB				10/12/22 09:56	1.0	13 1	4:MGASMGCO3=1400
015	met06_master	XBLANK	QC1018121	Soil	298655	10/12/22 10:06	1.0	1	1:MGASMGCO3=730
016	met06_master	XBLANK	QC1018151	Water	298680	10/12/22 10:08	1.0	1	3:MGASMGCO3=2200
017	met06_master	XBLANK	QC1017816	Water	298566	10/12/22 10:11	1.0	1	2:MGASMGCO3=1000
018	met06_master	XLCS	QC1018152	Water	298680	10/12/22 10:13	1.0	1	1:MGASMGCO3=1100
019	met06_master	XSAMPLE	470307-002	Water	298680	10/12/22 10:16	1.0	1	1:P=12
020	met06_master	XMSS	470316-001	Water	298680	10/12/22 10:18	1.0	1	2:MGASMGCO3=2600
021	met06_master	XMS	QC1018153	Water	298680	10/12/22 10:21	1.0	1	1:MGASMGCO3=1100
022	met06_master	XMSD	QC1018154	Water	298680	10/12/22 10:23	1.0	1	1:MGASMGCO3=900
023	met06_master	XSAMPLE	470466-001	Water	298680	10/12/22 10:26	1.0	1	
024	met06_master	CCV				10/12/22 10:34	1.0	10 1	
025	met06_master	CCB				10/12/22 10:38	1.0	1	
026	met06_master	BLANK	QC1018121	Soil	298655	10/12/22 10:41	1.0	1	
027	met06_master	BLANK	QC1018151	Water	298680	10/12/22 10:44	1.0	1	
028	met06_master	BLANK	QC1017816	Water	298566	10/12/22 10:47	1.0	1	
029	met06_master	LCS	QC1018152	Water	298680	10/12/22 10:51	1.0	1	
030	met06_master	SAMPLE	470307-002	Water	298680	10/12/22 10:54	1.0	1	
031	met06_master	MSS	470316-001	Water	298680	10/12/22 10:57	1.0	1	
032	met06_master	MS	QC1018153	Water	298680	10/12/22 11:00	1.0	1	
033	met06_master	MSD	QC1018154	Water	298680	10/12/22 11:04	1.0	1	
034	met06_master	SAMPLE	470466-001	Water	298680	10/12/22 11:07	1.0	1	1:SULFUR=430
035	met06_master	SAMPLE	470098-020	Soil	298573	10/12/22 11:10	1.0	1	1:FE=200
036	met06_master	CCV				10/12/22 11:14	1.0	10 1	
037	met06_master	CCB				10/12/22 11:17	1.0	1	
038	met06_master	BLANK	QC1018398	Drinking Water	298753	10/12/22 11:20	1.0	1	
039	met06_master	LCS	QC1018399	Drinking Water	298753	10/12/22 11:23	1.0	1	
040	met06_master	MSS	470405-001	Drinking Water	298753	10/12/22 11:27	1.0	1	
041	met06_master	MS	QC1018402	Drinking Water	298753	10/12/22 11:30	1.0	1	
042	met06_master	MSD	QC1018403	Drinking Water	298753	10/12/22 11:33	1.0	1	
043	met06_master	SAMPLE	470454-001	Drinking Water	298753	10/12/22 11:36	1.0	1	
044	met06_master	SAMPLE	470485-001	Drinking Water	298753	10/12/22 11:40	1.0	1	
045	met06_master	SAMPLE	470487-001	Drinking Water	298753	10/12/22 11:43	1.0	1	
046	met06_master	SAMPLE	470490-001	Drinking Water	298753	10/12/22 11:46	1.0	1	
047	met06_master	SAMPLE	470498-001	Drinking Water	298753	10/12/22 11:49	1.0	1	
048	met06_master	CCV				10/12/22 11:53	1.0	10 1	
049	met06_master	CCB				10/12/22 11:56	1.0	1	
050	met06_master	SAMPLE	470498-002	Drinking Water	298753	10/12/22 11:59	1.0	1	
051	met06_master	SAMPLE	470498-003	Drinking Water	298753	10/12/22 12:02	1.0	1	
052	met06_master	SAMPLE	470498-004	Drinking Water	298753	10/12/22 12:06	1.0	1	

Enthalpy Sequence Summary for Sequence 482410953

Instrument : MET06 Begun : 10/12/22 09:13
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	SAMPLE	470564-001	Drinking Water	298753	10/12/22 12:09	1.0	1	
054	met06_master	BLANK	QC1017996	Soil	298619	10/12/22 12:12	1.0	1	
055	met06_master	LCS	QC1017997	Soil	298619	10/12/22 12:15	1.0	1	
056	met06_master	MSS	470443-001	Soil	298619	10/12/22 12:19	1.0	1	5:CAASCACO3=2600
057	met06_master	MS	QC1017998	Soil	298619	10/12/22 12:22	1.0	1	4:CAASCACO3=2400
058	met06_master	MSD	QC1017999	Soil	298619	10/12/22 12:25	1.0	1	4:CAASCACO3=2200
059	met06_master	PDS	QC1018000	Soil	298619	10/12/22 12:28	1.0	1	2:CA=1000
060	met06_master	CCV				10/12/22 12:32	1.0	10 1	
061	met06_master	CCB				10/12/22 12:36	1.0	1	
062	met06_master	SAMPLE	470474-003	TCLP Leachate	298690	10/12/22 12:39	10.0	1	
063	met06_master	SAMPLE	470469-001	Sea Water	298680	10/12/22 12:43	1.0	1	1:SULFUR=520
064	met06_master	CCV				10/12/22 12:46	1.0	10 1	
065	met06_master	CCB				10/12/22 12:49	1.0	1	
066	met06_master	BLANK	QC1018447	Filtrate	298773	10/12/22 13:00	1.0	1	
067	met06_master	LCS	QC1018448	Filtrate	298773	10/12/22 13:04	1.0	1	
068	met06_master	MSS	470503-001	Filtrate	298773	10/12/22 13:07	1.0	1	2:CAASCACO3=1500
069	met06_master	MS	QC1018449	Filtrate	298773	10/12/22 13:10	1.0	1	2:CAASCACO3=1500
070	met06_master	MSD	QC1018450	Filtrate	298773	10/12/22 13:13	1.0	1	2:CAASCACO3=1500
071	met06_master	SAMPLE	470503-002	Filtrate	298773	10/12/22 13:17	1.0	1	1:SULFUR=910
072	met06_master	SAMPLE	470503-003	Filtrate	298773	10/12/22 13:20	1.0	1	1:SULFUR=560
073	met06_master	SAMPLE	470503-004	Filtrate	298773	10/12/22 13:23	1.0	1	1:SULFUR=1200
074	met06_master	SAMPLE	470503-005	Filtrate	298773	10/12/22 13:26	1.0	1	1:SULFUR=250
075	met06_master	SAMPLE	470503-006	Filtrate	298773	10/12/22 13:30	1.0	1	2:SULFUR=1200
076	met06_master	CCV				10/12/22 13:33	1.0	10 1	
077	met06_master	CCB				10/12/22 13:36	1.0	1	
078	met06_master	SAMPLE	470503-007	Filtrate	298773	10/12/22 13:39	1.0	1	1:SULFUR=910
079	met06_master	SAMPLE	470503-009	Filtrate	298773	10/12/22 13:43	1.0	1	
080	met06_master	SAMPLE	470503-010	Filtrate	298773	10/12/22 13:46	1.0	1	
081	met06_master	SAMPLE	470503-011	Filtrate	298773	10/12/22 13:49	1.0	1	1:SULFUR=230
082	met06_master	BLANK	QC1018350	Wipe	298738	10/12/22 13:53	1.0	1	
083	met06_master	BLANK	QC1018353	Wipe	298739	10/12/22 13:56	1.0	1	
084	met06_master	CCV				10/12/22 14:00	1.0	10 1	
085	met06_master	CCB				10/12/22 14:03	1.0	1	
086	met06_master	BLANK	QC1018396	Water	298752	10/12/22 14:06	1.0	1	
087	met06_master	LCS	QC1018397	Water	298752	10/12/22 14:09	1.0	1	
088	met06_master	SAMPLE	470224-001	Water	298752	10/12/22 14:13	1.0	1	3:NA=2500
089	met06_master	MSS	470513-001	Water	298752	10/12/22 14:16	1.0	1	
090	met06_master	MS	QC1018400	Water	298752	10/12/22 14:19	1.0	1	
091	met06_master	MSD	QC1018401	Water	298752	10/12/22 14:22	1.0	1	
092	met06_master	SAMPLE	470513-002	Water	298752	10/12/22 14:26	1.0	1	
093	met06_master	SAMPLE	470513-003	Water	298752	10/12/22 14:29	1.0	1	
094	met06_master	SAMPLE	470513-005	Water	298752	10/12/22 14:32	1.0	1	
095	met06_master	SAMPLE	470513-007	Water	298752	10/12/22 14:35	1.0	1	
096	met06_master	CCV				10/12/22 14:39	1.0	10 1	
097	met06_master	CCB				10/12/22 14:42	1.0	1	
098	met06_master	SAMPLE	470528-001	Water	298752	10/12/22 14:45	1.0	1	
099	met06_master	CCV				10/12/22 14:48	1.0	10 1	
100	met06_master	CCB				10/12/22 14:52	1.0	1	
101	met06_master	BLANK	QC1017949	WET Leachate	298610	10/12/22 15:13	1.0	1	
102	met06_master	BS	QC1017950	WET Leachate	298610	10/12/22 15:16	1.0	1	

Enthalpy Sequence Summary for Sequence 482410953

Instrument : MET06 Begun : 10/12/22 09:13
Method : EPA 6010B

Standards used: 1=S13369 2=S17110 3=S17109 4=S17108 5=S17107 6=S17316 7=S17115 8=S17113 9=S17048 10=S17366 11=S17318 12=S17207 13=S17208

ENTHALPY BLANK USER REPORT FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 Lab ID : QC1018350
Seqnum : 482410953082.3 Matrix : Wipe
File : met06_master Batch : 298738 Time : 12-OCT-2022 13:53
Cal : 482410953001 Caldate : 12-OCT-2022
IDF : 1.0 Raw Units : mg/l Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	-0.0004450	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1431710	1362700	-4.82

u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC1018350,298738			Sample Type: Unknown Sample
Measure Date: 2022-10-12 13:53:39	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47349.00000000	1908.23000000	2599.14000000	5640.07000000	6013.22000000	1199.53000000	5503.02000000
Int RSD	*2.26874908*	*5.53203754*	*0.96952454*	*0.28344506*	*0.65341032*	*15.51491001*	*0.48882068*
Int SD	*1074.23000000*	*105.56400000*	*25.19930000*	*15.98650000*	*39.29100000*	*186.10600000*	*26.89990000*
RelInt Mean	0.00008694	0.00178842	-0.00008276	0.00027974	0.00017634	0.00404405	-0.00000095
RelInt RSD	*42.74073418*	*6.82468324*	*37.71210248*	*3.64216133*	*16.97400506*	*24.56396434*	*2705.59161148*
RelInt SD	*0.00003716*	*0.00012205*	*0.00003121*	*0.00001019*	*0.00002993*	*0.00099338*	*0.00002568*
Conc Mean	<0.00235881[mg/l]	<0.03877180[mg/l]	<-0.00176370[mg/l]	0.00187641[mg/l]	0.00022891[mg/l]	0.18089700[mg/l]	<-0.00010267[mg/l]
Conc RSD	*60.40673051*	*38.61569491*	*98.00192777*	*7.30677197*	*36.88876366*	*29.61359227*	*145.71929483*
Conc SD	*0.00142488[mg/l]*	*0.01497200[mg/l]*	*0.00172846[mg/l]*	*0.00013711[mg/l]*	*0.00008444[mg/l]*	*0.05357010[mg/l]*	*0.00014961[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5374.04000000	42254.30000000	16950.50000000	356.59000000	2153.72000000	8164.52000000	3898.16000000
Int RSD	*0.34518537*	*0.72021782*	*12.01805256*	*6.60007291*	*5.21302676*	*0.77455625*	*1.18317617*
Int SD	*18.55040000*	*304.32300000*	*2037.12000000*	*23.53520000*	*112.27400000*	*63.23880000*	*46.12210000*
RelInt Mean	0.00005287	0.00013529	0.00720725	0.00031548	-0.00012457	0.00080795	0.00021952
RelInt RSD	*36.95738938*	*4.29090197*	*20.90575462*	*5.85674482*	*443.54684628*	*6.26996553*	*18.20994515*
RelInt SD	*0.00001954*	*0.00000581*	*0.00150673*	*0.00001848*	*0.00055251*	*0.00005066*	*0.00003998*
Conc Mean	<0.00031084[mg/l]	<0.00017414[mg/l]	0.02191270[mg/l]	<0.10373200[mg/l]	<-0.05477000[mg/l]	0.00016989[mg/l]	0.00135433[mg/l]
Conc RSD	*43.12305569*	*95.95617370*	*22.04082564*	*11.53308526*	*251.07723206*	*18.32607390*	*20.42190603*
Conc SD	*0.00013404[mg/l]*	*0.00016710[mg/l]*	*0.00482974[mg/l]*	*0.01196350[mg/l]*	*0.13751500[mg/l]*	*0.00003113[mg/l]*	*0.00027658[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	15663.50000000	6101.80000000	6144.54000000	3965.38000000	3104.03000000	2791.24000000	1354.51000000
Int RSD	*0.94925783*	*0.41323872*	*0.80422294*	*1.07306488*	*0.76161635*	*1.96278357*	*6.63563946*
Int SD	*148.68700000*	*25.21500000*	*49.41580000*	*42.55110000*	*23.64080000*	*54.78600000*	*89.88040000*
RelInt Mean	0.02895630	0.00019495	-0.00000664	0.00001380	0.00001679	0.00012986	-0.00012999
RelInt RSD	*0.86498966*	*13.18662830*	*630.02182633*	*242.33806123*	*123.19299708*	*24.05008509*	*121.78689294*
RelInt SD	*0.00025047*	*0.00002571*	*0.00004183*	*0.00003345*	*0.00002069*	*0.00003123*	*0.00015831*
Conc Mean	0.36006200[mg/l]	<0.00027277[mg/l]	<-0.00044498[mg/l]	<0.00186417[mg/l]	<0.00003924[mg/l]	<-0.00465695[mg/l]	<0.00004723[mg/l]
Conc RSD	*2.57177375*	*81.66083749*	*269.45273453*	*86.40950128*	*3371.78510168*	*12.21949989*	*249.13820119*
Conc SD	*0.00925998[mg/l]*	*0.00022274[mg/l]*	*0.00119900[mg/l]*	*0.00161082[mg/l]*	*0.00132293[mg/l]*	*0.00056906[mg/l]*	*0.00011766[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	51142.70000000	2608.08000000	11082.60000000	1362700	25895400	251986	4817.63000000
Int RSD	*0.24759350*	*0.51081255*	*0.84222926*	*0.20413371*	*0.67126980*	*1.17449779*	*0.82714322*
Int SD	*126.62600000*	*13.32240000*	*93.34090000*	*2781.73000000*	*173828*	*2959.57000000*	*39.84870000*
RelInt Mean	0.00006904	-0.00009736	0.00004642	---	---	---	0.00081956
RelInt RSD	*6.61077636*	*16.86212280*	*3.82456405*	---	---	---	*3.14573221*
RelInt SD	*0.00000456*	*0.00001642*	*0.00000178*	---	---	---	*0.00002578*
Conc Mean	0.00057385[mg/l]	<-0.00342150[mg/l]	<0.00030076[mg/l]	1355170	25829200	250344	0.00140268[mg/l]
Conc RSD	*6.72433022*	*30.20955721*	*100.43921626*	---	---	---	*6.73663986*
Conc SD	*0.00003859[mg/l]*	*0.00103362[mg/l]*	*0.00030208[mg/l]*	*2757.80000000*	*173679*	*3047.10000000*	*0.00009449[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	178.76700000	6528.13000000	9393.88000000	3530.74000000	5581.57000000	6523.15000000	
Int RSD	*53.52984611*	*3.17619288*	*0.29215085*	*0.70582654*	*0.10684646*	*12.28933874*	
Int SD	*95.69370000*	*207.34600000*	*27.44430000*	*24.92090000*	*5.96371000*	*801.65200000*	
RelInt Mean	-0.00025691	0.00056365	0.00280382	0.00042467	0.00006313	0.00209702	
RelInt RSD	*56.59535709*	*138.54615195*	*0.67837807*	*5.08056863*	*46.15390708*	*27.17990291*	
RelInt SD	*0.00014540*	*0.00078091*	*0.00001902*	*0.00002158*	*0.00002914*	*0.00056997*	
Conc Mean	<0.00064754[mg/l]	<-0.00082722[mg/l]	0.02575460[mg/l]	0.00735218[mg/l]	<-0.00000838[mg/l]	0.10559900[mg/l]	
Conc RSD	*65.38098628*	*752.10584850*	*1.16793893*	*9.77112911*	*1233.20037297*	*41.89537780*	
Conc SD	*0.00042337[mg/l]*	*0.00622157[mg/l]*	*0.00030080[mg/l]*	*0.00071839[mg/l]*	*0.00010329[mg/l]*	*0.04424110[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 470460 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482410953001	Date:	12-OCT-2022 09:13
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482410953002	L1	12-OCT-2022 09:16	S17110, S13369 (100X)
L2	met06_master	482410953003	L2	12-OCT-2022 09:20	S17109, S13369 (100X)
L3	met06_master	482410953004	L3	12-OCT-2022 09:23	S17108, S13369 (100X)
L4	met06_master	482410953005	L4	12-OCT-2022 09:26	S17107, S13369 (100X)

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	0.0343	0.0379	0.0372	0.0349	WB1K	-0.0002	28.6578		0.0361	1.000		5	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D
Lead	A	0.0033	-9	0.1000	8	1.0000	7	10.000	0

SBW 10/12/22 : Sn Al std 1 out

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06
Calnum : 482410953001 Cal Date : 12-OCT-2022

ICV 482410953010 (12-OCT-2022) stds: S17366, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9504	mg/l	-5	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-10-12 09:13:34	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	34962.40000000	1420.89000000	2020.41000000	4166.41000000	4537.17000000	407.65200000	4240.98000000
Int RSD	*0.45334416*	*5.66431603*	*1.47910078*	*0.23532010*	*0.15093263*	*50.60296527*	*0.97135568*
Int SD	*158.50000000*	*80.48370000*	*29.88390000*	*9.80440000*	*6.84807000*	*206.28400000*	*41.19500000*
RelInt Mean	0.00002542	0.00147234	-0.00005144	0.00014079	0.00008243	0.00067709	0.00001252
RelInt RSD	*56.69160334*	*18.54653137*	*30.79300532*	*6.24185643*	*28.41277428*	*71.50739638*	*89.80929869*
RelInt SD	*0.00001441*	*0.00027307*	*0.00001584*	*0.00000879*	*0.00002342*	*0.00048417*	*0.00001125*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4018.99000000	33507.70000000	5970.11000000	127.02100000	1516.09000000	6048.42000000	2769.14000000
Int RSD	*0.65108647*	*0.40862548*	*0.33802727*	*37.35398084*	*7.38115811*	*0.88786162*	*0.25845425*
Int SD	*26.16710000*	*136.92100000*	*20.18060000*	*47.44740000*	*111.90500000*	*53.70160000*	*7.15696000*
RelInt Mean	0.00000198	0.00012924	0.00033485	0.00015528	0.00009140	0.00042084	0.00002272
RelInt RSD	*645.17775734*	*3.56927648*	*10.94168944*	*126.97806515*	*231.53239694*	*11.69618310*	*42.56758184*
RelInt SD	*0.00001277*	*0.00000461*	*0.00003664*	*0.00019717*	*0.00021162*	*0.00004922*	*0.00000967*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12940.40000000	4747.66000000	4802.75000000	2993.75000000	2354.45000000	2523.65000000	788.42300000
Int RSD	*1.40359649*	*0.21466996*	*0.62612670*	*1.12481336*	*0.70349763*	*1.24694391*	*6.66243882*
Int SD	*181.63100000*	*10.19180000*	*30.07130000*	*33.67410000*	*16.56350000*	*31.46850000*	*52.52820000*
RelInt Mean	0.01920080	0.00015754	0.00000625	-0.00002559	0.00001604	0.00038437	-0.00020068
RelInt RSD	*1.99798967*	*8.52610732*	*398.60048080*	*17.45104858*	*6.45479821*	*9.70470776*	*87.71146535*
RelInt SD	*0.00038363*	*0.00001343*	*0.00002490*	*0.00000447*	*0.00000104*	*0.00003730*	*0.00017602*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	37598.70000000	1960.80000000	8419.47000000	1431710	29500400	329409	3444.93000000
Int RSD	*0.43172503*	*1.03236434*	*1.14632869*	*0.16398642*	*0.17117192*	*1.40642484*	*1.61186729*
Int SD	*162.32300000*	*20.24260000*	*96.51480000*	*2347.81000000*	*50496.40000000*	*4632.89000000*	*55.52770000*
RelInt Mean	0.00000113	-0.00004602	0.00004467	---	---	---	0.00043651
RelInt RSD	*508.33267068*	*14.17054031*	*3.76412619*	---	---	---	*12.78315373*
RelInt SD	*0.00000575*	*0.00000652*	*0.00000168*	---	---	---	*0.00005580*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	93.46410000	5163.50000000	5903.90000000	2812.98000000	4310.68000000	4196.47000000	
Int RSD	*86.70976343*	*2.24543430*	*1.63104897*	*2.12485691*	*0.25809849*	*2.79439624*	
Int SD	*81.04250000*	*115.94300000*	*96.29550000*	*59.77180000*	*11.12580000*	*117.26600000*	
RelInt Mean	-0.00048127	0.00066452	0.00119350	0.00020386	0.00006295	0.00073657	
RelInt RSD	*39.70228584*	*88.33955336*	*6.21932132*	*17.12778377*	*53.16728172*	*12.67882672*	
RelInt SD	*0.00019107*	*0.00058703*	*0.00007423*	*0.00003492*	*0.00003347*	*0.00009339*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S17110			Sample Type: Calibration Sample
Measure Date: 2022-10-12 09:16:50	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	36457.90000000	1447.03000000	2151.63000000	4654.67000000	6476.47000000	775.91100000	4846.00000000
Int RSD	*0.52723552*	*4.70769093*	*0.74886481*	*0.95035738*	*0.17862972*	*8.53675228*	*0.39325010*
Int SD	*192.21900000*	*68.12170000*	*16.11280000*	*44.23600000*	*11.56890000*	*66.23760000*	*19.05690000*
RelInt Mean	0.00003518	0.00138669	-0.00000789	0.00037865	0.00135410	0.00199953	0.00033770
RelInt RSD	*9.34028577*	*14.05418659*	*364.48861223*	*7.31278836*	*1.11502105*	*7.70040960*	*5.01005327*
RelInt SD	*0.00000329*	*0.00019489*	*0.00002874*	*0.00002769*	*0.00001510*	*0.00015397*	*0.00001692*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4965.28000000	38021.50000000	9594.94000000	278.90600000	1658.78000000	14279.10000000	3583.90000000
Int RSD	*0.84230094*	*0.70869640*	*0.35256812*	*23.14446444*	*5.27991657*	*0.99359904*	*1.14933731*
Int SD	*41.82260000*	*269.45700000*	*33.82870000*	*64.55130000*	*87.58220000*	*141.87700000*	*41.19110000*
RelInt Mean	0.00059213	0.00024233	0.00278902	0.00057920	0.00040235	0.00614125	0.00052905
RelInt RSD	*2.90768919*	*2.45732336*	*1.16818094*	*39.42130725*	*112.08375792*	*1.68783228*	*8.16247992*
RelInt SD	*0.00001722*	*0.00000595*	*0.00003258*	*0.00022833*	*0.00045097*	*0.00010365*	*0.00004318*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	17184.00000000	5465.88000000	5094.37000000	3456.54000000	2663.24000000	2402.51000000	8539.13000000
Int RSD	*1.36809241*	*0.99914744*	*0.91118234*	*0.21748656*	*1.00104760*	*0.80621933*	*3.08164883*
Int SD	*235.09300000*	*54.61220000*	*46.41900000*	*7.51751000*	*26.66030000*	*19.36950000*	*263.14600000*
RelInt Mean	0.03231430	0.00055190	0.00011439	0.00022349	0.00017142	0.00024132	0.02368860
RelInt RSD	*1.98400708*	*3.44325743*	*26.14030947*	*3.48914960*	*3.87199860*	*8.36595917*	*2.45776872*
RelInt SD	*0.00064112*	*0.00001900*	*0.00002990*	*0.00000780*	*0.00000664*	*0.00002019*	*0.00058221*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	51043.30000000	2277.07000000	9070.50000000	1413860	28879600	322936	7657.47000000
Int RSD	*0.34841791*	*0.99529220*	*1.68428422*	*0.38996718*	*0.36426405*	*0.63313784*	*0.30346838*
Int SD	*177.84400000*	*22.66350000*	*152.77300000*	*5513.59000000*	*105198*	*2044.63000000*	*23.23800000*
RelInt Mean	0.00041420	0.00012813	0.00005311	---	---	---	0.00336211
RelInt RSD	*0.97634712*	*9.52323349*	*12.87712658*	---	---	---	*0.76421949*
RelInt SD	*0.00000404*	*0.00001220*	*0.00000684*	---	---	---	*0.00002569*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	117.98700000	5281.16000000	14270.10000000	48267.60000000	5135.62000000	23482.80000000	
Int RSD	*75.94557027*	*1.56726742*	*0.23409787*	*0.15739689*	*0.59441119*	*1.02793534*	
Int SD	*89.60590000*	*82.76990000*	*33.40600000*	*75.97170000*	*30.52670000*	*241.38800000*	
RelInt Mean	-0.00032053	0.00089905	0.00707193	0.03242520	0.00055441	0.01437690	
RelInt RSD	*95.79009765*	*40.36382849*	*0.82521462*	*0.19127469*	*3.58442955*	*1.57144447*	
RelInt SD	*0.00030704*	*0.00036289*	*0.00005836*	*0.00006202*	*0.00001987*	*0.00022593*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S17109			Sample Type: Calibration Sample
Measure Date: 2022-10-12 09:20:06	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	36533.20000000	1891.25000000	4777.34000000	14938.60000000	56695.50000000	504.54800000	17561.90000000
Int RSD	*0.73538863*	*5.02456048*	*0.11310813*	*0.37487783*	*0.29107072*	*21.05904691*	*0.17119503*
Int SD	*268.66100000*	*95.02700000*	*5.40356000*	*56.00150000*	*165.02400000*	*106.25300000*	*30.06510000*
RelInt Mean	0.00002592	0.00284051	0.00181661	0.00761848	0.03679990	0.00083449	0.00926996
RelInt RSD	*10.84983912*	*9.53233750*	*1.22873925*	*0.13467778*	*0.46787627*	*30.37993038*	*0.20435255*
RelInt SD	*0.00000281*	*0.00027077*	*0.00002232*	*0.00001026*	*0.00017218*	*0.00025352*	*0.00001894*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	26389.70000000	132695	100123	16.12100000	1586.01000000	254155	23913.90000000
Int RSD	*0.88290128*	*0.74457515*	*0.02637466*	*257.41889461*	*10.71626282*	*0.34460113*	*0.53922196*
Int SD	*232.99500000*	*988.01400000*	*26.40710000*	*41.49850000*	*169.96100000*	*875.82100000*	*128.94900000*
RelInt Mean	0.01568310	0.00353306	0.06672720	-0.00013015	0.00016026	0.17562600	0.01485840
RelInt RSD	*1.41585528*	*0.47580285*	*0.34614970*	*87.58922192*	*293.94795957*	*0.49724642*	*0.44541337*
RelInt SD	*0.00022205*	*0.00001681*	*0.00023098*	*0.00011400*	*0.00047108*	*0.00087329*	*0.00006618*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12455.80000000	22257.10000000	10350.90000000	11830.40000000	9317.69000000	10370.10000000	218841
Int RSD	*0.36354871*	*0.71912783*	*0.12079336*	*0.14412192*	*0.27295714*	*0.37632424*	*0.70578182*
Int SD	*45.28290000*	*160.05700000*	*12.50320000*	*17.05020000*	*25.43330000*	*39.02520000*	*1544.54000000*
RelInt Mean	0.01785350	0.01237170	0.00378983	0.00610587	0.00486143	0.00584709	0.68142800
RelInt RSD	*2.10969838*	*1.12290146*	*0.46880467*	*0.35281131*	*0.64342796*	*0.14910836*	*0.16934584*
RelInt SD	*0.00037666*	*0.00013892*	*0.00001777*	*0.00002154*	*0.00003128*	*0.00000872*	*0.00115397*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	382188	9263.58000000	17446.10000000	1420520	28715900	320978	120211
Int RSD	*0.73495766*	*0.22811807*	*1.07550111*	*0.34112578*	*0.80438712*	*0.56044028*	*0.53490862*
Int SD	*2808.92000000*	*21.13190000*	*187.63300000*	*4845.76000000*	*230987*	*1798.89000000*	*643.01900000*
RelInt Mean	0.01194660	0.00503363	0.00034358	---	---	---	0.08287090
RelInt RSD	*0.41511727*	*0.30806198*	*0.60835853*	---	---	---	*0.59694296*
RelInt SD	*0.00004959*	*0.00001551*	*0.00000209*	---	---	---	*0.00049469*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	4944.05000000	9447.93000000	6054.72000000	2987.57000000	24895.40000000	4008.47000000	
Int RSD	*2.46528656*	*1.20808473*	*1.08640036*	*0.91484049*	*0.07105570*	*0.39904502*	
Int SD	*121.88500000*	*114.13900000*	*65.77850000*	*27.33150000*	*17.68960000*	*15.99560000*	
RelInt Mean	0.01468390	0.01395420	0.00117108	0.00024729	0.01445550	0.00053631	
RelInt RSD	*2.55166543*	*0.29898024*	*4.87604604*	*7.16423704*	*0.39799038*	*2.32556665*	
RelInt SD	*0.00037468*	*0.00004172*	*0.00005710*	*0.00001772*	*0.00005753*	*0.00001247*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S17108			Sample Type: Calibration Sample
Measure Date: 2022-10-12 09:23:24	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	37609.60000000	6699.44000000	28102.50000000	107990	513412	389.00600000	130534
Int RSD	*0.48710967*	*3.78728670*	*0.38356374*	*0.51539957*	*0.20217486*	*10.98353239*	*0.48993136*
Int SD	*183.20000000*	*253.72700000*	*107.79100000*	*556.58000000*	*1037.99000000*	*42.72660000*	*639.52700000*
RelInt Mean	0.00002267	0.01804090	0.01835280	0.07385580	0.36210100	0.00097360	0.08960790
RelInt RSD	*29.00871806*	*4.10752789*	*1.06801687*	*1.54399519*	*1.19456726*	*8.88050419*	*1.32778472*
RelInt SD	*0.00000658*	*0.00074104*	*0.00019601*	*0.00114033*	*0.00432554*	*0.00008646*	*0.00118980*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	216416	1037860	933645	127.57100000	1582.55000000	2446740	207193
Int RSD	*0.29627846*	*0.94442892*	*0.06553487*	*40.46985600*	*7.68304319*	*0.71236012*	*0.42907965*
Int SD	*641.19400000*	*9801.85000000*	*611.86300000*	*51.62780000*	*121.58800000*	*17429.60000000*	*889.02300000*
RelInt Mean	0.15077800	0.03494110	0.66055800	0.00009378	0.00016789	1.73780000	0.14531300
RelInt RSD	*1.28203053*	*0.27927655*	*1.07317601*	*181.89457072*	*152.90873245*	*0.34684198*	*1.36220435*
RelInt SD	*0.00193302*	*0.00009758*	*0.00708895*	*0.00017058*	*0.00025672*	*0.00602742*	*0.00197946*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11930.20000000	175623	57510.90000000	92190.90000000	68454.30000000	81578.40000000	2134160
Int RSD	*2.36158656*	*0.37691532*	*0.29034844*	*0.18055253*	*0.37999366*	*0.48191433*	*0.25184522*
Int SD	*281.74200000*	*661.95000000*	*166.98200000*	*166.45300000*	*260.12200000*	*393.13800000*	*5374.78000000*
RelInt Mean	0.01615180	0.12146200	0.03723650	0.06321180	0.04691370	0.05649670	6.72642000
RelInt RSD	*4.79286519*	*0.98793038*	*1.23046473*	*1.05256297*	*0.67918540*	*1.29333572*	*0.59319222*
RelInt SD	*0.00077413*	*0.00119996*	*0.00045818*	*0.00066534*	*0.00031863*	*0.00073069*	*0.03990060*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3438420	72774.90000000	92818.40000000	1410780	28761800	318267	1152650
Int RSD	*1.50781464*	*0.26087566*	*0.94411884*	*1.02689292*	*1.20217789*	*0.74452268*	*0.92274324*
Int SD	*51845.00000000*	*189.85200000*	*876.31600000*	*14487.20000000*	*345768*	*2369.57000000*	*10636.00000000*
RelInt Mean	0.11818900	0.05015320	0.00295730	---	---	---	0.81829100
RelInt RSD	*0.32393285*	*0.94918570*	*0.27022453*	---	---	---	*0.62159183*
RelInt SD	*0.00038285*	*0.00047605*	*0.00000799*	---	---	---	*0.00508643*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	55677.70000000	46044.30000000	8102.36000000	3639.60000000	199948	4718.84000000	
Int RSD	*1.05331937*	*1.02249356*	*0.39522435*	*2.15110177*	*0.19469562*	*0.93015233*	
Int SD	*586.46400000*	*470.80000000*	*32.02250000*	*78.29150000*	*389.29000000*	*43.89240000*	
RelInt Mean	0.17509400	0.12867100	0.00255435	0.00061126	0.13894300	0.00095957	
RelInt RSD	*1.77379579*	*1.74545935*	*0.84116507*	*8.63019974*	*1.13121928*	*2.18336470*	
RelInt SD	*0.00310581*	*0.00224590*	*0.00002149*	*0.00005275*	*0.00157175*	*0.00002095*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S17107			Sample Type: Calibration Sample
Measure Date: 2022-10-12 09:26:41	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	44088.40000000	52192.60000000	253150	1033490	4854290	438.49400000	1194040
Int RSD	*0.68537302*	*0.25971115*	*0.28352992*	*0.11420914*	*0.16050318*	*17.81303735*	*0.30922331*
Int SD	*302.17000000*	*135.55000000*	*717.75600000*	*1180.34000000*	*7791.29000000*	*78.10910000*	*3692.25000000*
RelInt Mean	-0.00002105	0.16449200	0.18048900	0.74332100	3.50415000	0.00094240	0.85832400
RelInt RSD	*98.51529587*	*1.18072004*	*0.27515306*	*0.12997157*	*0.19012885*	*12.64213649*	*0.34413811*
RelInt SD	*0.00002074*	*0.00194219*	*0.00049662*	*0.00096611*	*0.00666240*	*0.00011914*	*0.00295382*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	2023600	9591430	8634540	105.56900000	1543.58000000	22502200	2004260
Int RSD	*0.26031676*	*1.38635219*	*0.24520125*	*63.89697733*	*3.44148020*	*0.22096906*	*0.24976650*
Int SD	*5267.77000000*	*132971*	*21172.00000000*	*67.45540000*	*53.12200000*	*49722.90000000*	*5005.97000000*
RelInt Mean	1.45707000	0.34754100	6.23586000	0.00013189	-0.00001277	16.25920000	1.44528000
RelInt RSD	*0.29718064*	*1.16522367*	*0.27956689*	*47.00207752*	*1425.72079442*	*0.18731118*	*0.27806446*
RelInt SD	*0.00433013*	*0.00404963*	*0.01743340*	*0.00006199*	*0.00018212*	*0.03045530*	*0.00401881*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	10771.90000000	1603430	489494	867182	3576.72000000	762954	19099400
Int RSD	*1.80424995*	*0.24351796*	*0.18060385*	*0.27456866*	*1.18180344*	*0.27758292*	*0.96459575*
Int SD	*194.35200000*	*3904.64000000*	*884.04500000*	*2381.01000000*	*42.26980000*	*2117.83000000*	*184232*
RelInt Mean	0.01288020	1.15366000	0.34871800	0.62271600	0.00003711	0.54908100	61.56190000
RelInt RSD	*2.07655937*	*0.28809701*	*0.21074306*	*0.24140860*	*85.19009511*	*0.28907939*	*0.96477529*
RelInt SD	*0.00026746*	*0.00332366*	*0.00073490*	*0.00150329*	*0.00003162*	*0.00158728*	*0.59393400*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	32513600	663811	817266	1390900	27463600	311363	10729300
Int RSD	*2.16018220*	*0.11592065*	*1.72021105*	*0.03765454*	*1.31855256*	*1.37280923*	*0.27694631*
Int SD	*702353*	*769.49400000*	*14058.70000000*	*523.73700000*	*362122*	*4274.42000000*	*29714.40000000*
RelInt Mean	1.18280000	0.47644300	0.02942440	---	---	---	7.75028000
RelInt RSD	*1.10012682*	*0.10583134*	*1.08526597*	---	---	---	*0.30323808*
RelInt SD	*0.01301230*	*0.00050423*	*0.00031933*	---	---	---	*0.02350180*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	532908	396837	29970.30000000	8698.65000000	1878290	7547.41000000	
Int RSD	*1.14747198*	*0.62744149*	*0.43154723*	*0.27945946*	*0.25589392*	*1.07490649*	
Int SD	*6114.97000000*	*2489.92000000*	*129.33600000*	*24.30920000*	*4806.43000000*	*81.12760000*	
RelInt Mean	1.71629000	1.25558000	0.01791530	0.00350033	1.35145000	0.00231516	
RelInt RSD	*0.42704846*	*2.00052565*	*0.69206767*	*1.31160205*	*0.24402679*	*1.98399247*	
RelInt SD	*0.00732939*	*0.02511820*	*0.00012399*	*0.00004591*	*0.00329790*	*0.00004593*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S17316			Sample Type: Calibration Sample
Measure Date: 2022-10-12 09:29:57	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	1545060	1409.46000000	2198.07000000	7216.22000000	5009.87000000	442.71800000	4548.37000000
Int RSD	*0.71159049*	*1.05666709*	*0.58803405*	*5.85981303*	*2.68583816*	*9.85080796*	*1.08413344*
Int SD	*10994.50000000*	*14.89330000*	*12.92540000*	*422.85700000*	*134.55700000*	*43.61130000*	*49.31040000*
RelInt Mean	0.05217940	0.00121558	-0.00002281	0.00210570	0.00022034	0.00106208	0.00003789
RelInt RSD	*0.59455264*	*15.37406012*	*84.73577610*	*15.40342879*	*52.60169649*	*9.10686577*	*107.01567807*
RelInt SD	*0.00031023*	*0.00018688*	*0.00001933*	*0.00032435*	*0.00011590*	*0.00009672*	*0.00004055*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4530.20000000	45220.70000000	12054.10000000	116.19100000	1572.79000000	6931.68000000	9024.14000000
Int RSD	*3.80349653*	*14.92480214*	*20.57449333*	*47.90878812*	*2.00937824*	*8.28480253*	*28.65303508*
Int SD	*172.30600000*	*6749.10000000*	*2480.07000000*	*55.66570000*	*31.60330000*	*574.27600000*	*2585.69000000*
RelInt Mean	0.00018778	0.00047553	0.00438548	0.00004401	-0.00028741	0.00081771	0.00430385
RelInt RSD	*71.94710860*	*50.44182467*	*40.44984814*	*150.04805344*	*14.86989106*	*51.79206911*	*42.90948802*
RelInt SD	*0.00013510*	*0.00023986*	*0.00177392*	*0.00006604*	*0.00004274*	*0.00042351*	*0.00184676*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	11770.40000000	5069.44000000	5055.23000000	3843.40000000	2473.79000000	3619.93000000	978.96100000
Int RSD	*0.53178906*	*0.56905496*	*1.11243010*	*3.90625488*	*0.94720651*	*16.04428815*	*1.80049052*
Int SD	*62.59370000*	*28.84790000*	*56.23590000*	*150.13300000*	*23.43190000*	*580.79200000*	*17.62610000*
RelInt Mean	0.01526600	0.00018213	-0.00000143	0.00043461	-0.00001617	0.00105005	0.00011244
RelInt RSD	*2.53300799*	*17.22927156*	*3289.29771728*	*28.46722886*	*64.88092294*	*40.26989191*	*119.61011010*
RelInt SD	*0.00038669*	*0.00003138*	*0.00004708*	*0.00012372*	*0.00001049*	*0.00042285*	*0.00013449*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	127612	3570.13000000	10053.00000000	1427520	28903000	318216	4331.27000000
Int RSD	*14.00064257*	*29.39584833*	*5.62752412*	*0.13379918*	*0.54265647*	*0.64792468*	*9.88553011*
Int SD	*17866.50000000*	*1049.47000000*	*565.73500000*	*1910.01000000*	*156844*	*2061.80000000*	*428.16900000*
RelInt Mean	0.00304200	0.00098344	0.00008220	---	---	---	0.00092883
RelInt RSD	*20.81446417*	*77.57104377*	*25.43197622*	---	---	---	*34.17453318*
RelInt SD	*0.00063318*	*0.00076287*	*0.00002091*	---	---	---	*0.00031742*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	91.67760000	5330.55000000	5757.76000000	3017.04000000	4770.92000000	4095.43000000	
Int RSD	*115.12626858*	*2.00099427*	*0.59458713*	*2.63360115*	*1.09310783*	*0.21274054*	
Int SD	*105.54500000*	*106.66400000*	*34.23490000*	*79.45680000*	*52.15130000*	*8.71264000*	
RelInt Mean	-0.00024109	0.00061435	0.00092149	0.00024681	0.00019526	0.00056187	
RelInt RSD	*100.91377422*	*39.27370391*	*5.58778111*	*18.20305251*	*18.12462549*	*1.85044913*	
RelInt SD	*0.00024329*	*0.00024128*	*0.00005149*	*0.00004493*	*0.00003539*	*0.00001040*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S17115			Sample Type: Calibration Sample
Measure Date: 2022-10-12 09:33:14	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	38103.80000000	1737.47000000	2246.77000000	5572.74000000	5023.13000000	61216.90000000	4653.95000000
Int RSD	*1.69698035*	*6.17455265*	*0.42037147*	*1.79482624*	*1.22312980*	*1.17202112*	*0.77173154*
Int SD	*646.61400000*	*107.28100000*	*9.44478000*	*100.02100000*	*61.43940000*	*717.47500000*	*35.91600000*
RelInt Mean	0.00004073	0.00127278	-0.00005773	0.00085993	0.00008444	0.19935000	-0.00000464
RelInt RSD	*29.59609549*	*26.82160311*	*13.24334483*	*9.17209059*	*67.74094609*	*2.35792325*	*398.97048494*
RelInt SD	*0.00001206*	*0.00034138*	*0.00000765*	*0.00007887*	*0.00005720*	*0.00470052*	*0.00001852*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4508.38000000	35876.50000000	7493.69000000	23220.40000000	15324.90000000	6534.61000000	3880.39000000
Int RSD	*0.63652354*	*0.85222639*	*0.97834712*	*1.10152280*	*1.30695143*	*0.41532700*	*5.56472416*
Int SD	*28.69690000*	*305.74900000*	*73.31430000*	*255.77800000*	*200.28900000*	*27.14000000*	*215.93300000*
RelInt Mean	0.00006411	0.00013449	0.00109094	0.07528390	0.04460300	0.00038742	0.00063653
RelInt RSD	*49.92497036*	*2.18001071*	*6.26238840*	*0.47267344*	*2.00076676*	*6.18856860*	*24.93924060*
RelInt SD	*0.00003201*	*0.00000293*	*0.00006832*	*0.00035585*	*0.00089240*	*0.00002398*	*0.00015875*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	434673	5192.24000000	5187.87000000	3426.31000000	2580.47000000	2586.52000000	960.90800000
Int RSD	*1.02013007*	*0.41684321*	*0.56899074*	*0.54776713*	*0.15474972*	*2.27792942*	*9.71816240*
Int SD	*4434.23000000*	*21.64350000*	*29.51850000*	*18.76820000*	*3.99327000*	*58.91910000*	*93.38260000*
RelInt Mean	1.39458000	0.00014655	-0.00004395	0.00004182	0.00000164	0.00026535	-0.00011962
RelInt RSD	*0.53185619*	*9.79569973*	*47.79532056*	*49.76351820*	*177.47265178*	*17.59049539*	*140.34509856*
RelInt SD	*0.00741716*	*0.00001436*	*0.00002101*	*0.00002081*	*0.00000290*	*0.00004668*	*0.00016788*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	60702.10000000	2273.35000000	9406.56000000	1367540	27201900	307369	3826.12000000
Int RSD	*1.03645508*	*0.84615655*	*1.60431656*	*0.61222121*	*0.61562244*	*1.29369260*	*1.36145233*
Int SD	*629.15000000*	*19.23610000*	*150.91100000*	*8372.37000000*	*167461*	*3976.41000000*	*52.09080000*
RelInt Mean	0.00073592	0.00002417	0.00005351	---	---	---	0.00052768
RelInt RSD	*2.12949576*	*87.61784989*	*8.02988478*	---	---	---	*9.27442218*
RelInt SD	*0.00001567*	*0.00002118*	*0.00000430*	---	---	---	*0.00004894*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	36.31530000	5242.91000000	857357	3147.48000000	4785.34000000	3903.52000000	
Int RSD	*304.05366333*	*4.29662153*	*0.24389490*	*3.52354900*	*0.30809723*	*0.64664457*	
Int SD	*110.41800000*	*225.26800000*	*2091.05000000*	*110.90300000*	*14.74350000*	*25.24190000*	
RelInt Mean	-0.00061862	0.00043540	0.62571100	0.00028690	0.00012729	0.00036327	
RelInt RSD	*18.12959083*	*73.46818313*	*0.39725688*	*33.56955637*	*18.27571037*	*3.37668951*	
RelInt SD	*0.00011215*	*0.00031988*	*0.00248568*	*0.00009631*	*0.00002326*	*0.00001227*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S17113			Sample Type: Calibration Sample
Measure Date: 2022-10-12 09:36:31	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	38179.90000000	1438.53000000	2176.43000000	4863.27000000	4916.98000000	339.87800000	4559.82000000
Int RSD	*0.53168552*	*8.97005971*	*1.09444365*	*0.70173978*	*0.62361653*	*5.64670264*	*0.30167858*
Int SD	*202.99700000*	*129.03700000*	*23.81980000*	*34.12750000*	*30.66310000*	*19.19190000*	*13.75600000*
RelInt Mean	0.00002716	0.00113391	-0.00004926	0.00042432	0.00012679	0.00050661	0.00001083
RelInt RSD	*23.59763327*	*10.15891914*	*47.05684118*	*6.52826320*	*6.87258861*	*45.06310524*	*145.67369860*
RelInt SD	*0.00000641*	*0.00011519*	*0.00002318*	*0.00002770*	*0.00000871*	*0.00022830*	*0.00001577*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4448.10000000	35771.20000000	6699.97000000	116.06700000	1595.19000000	6139.73000000	3266.96000000
Int RSD	*0.12173332*	*0.47400702*	*0.71538529*	*36.71810248*	*1.39936935*	*0.27810995*	*1.89672968*
Int SD	*5.41482000*	*169.55800000*	*47.93060000*	*42.61760000*	*22.32260000*	*17.07520000*	*61.96540000*
RelInt Mean	0.00010800	0.00011747	0.00057813	0.00011375	-0.00015167	0.00021442	0.00021447
RelInt RSD	*15.74415289*	*3.91602677*	*2.54562563*	*144.38740077*	*284.26549221*	*13.34782203*	*26.19733020*
RelInt SD	*0.00001700*	*0.00000460*	*0.00001472*	*0.00016425*	*0.00043115*	*0.00002862*	*0.00005619*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12240.20000000	5011.76000000	5054.77000000	3303.31000000	2511.11000000	2289.45000000	825.00900000
Int RSD	*1.98832535*	*0.29282727*	*0.33218326*	*0.37207225*	*0.97240264*	*0.99379764*	*8.40927796*
Int SD	*243.37500000*	*14.67580000*	*16.79110000*	*12.29070000*	*24.41810000*	*22.75250000*	*69.37730000*
RelInt Mean	0.01696390	0.00011567	-0.00002493	0.00004253	0.00001636	0.00009466	-0.00041560
RelInt RSD	*1.10283602*	*15.95519898*	*35.11375809*	*29.34394433*	*51.69501058*	*22.36516973*	*72.00195378*
RelInt SD	*0.00018708*	*0.00001845*	*0.00000875*	*0.00001248*	*0.00000846*	*0.00002117*	*0.00029924*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	42137.50000000	2220.23000000	9186.09000000	1445190	29297100	318742	3643.42000000
Int RSD	*0.80646218*	*1.13272949*	*1.62959431*	*0.39630222*	*0.76252598*	*1.27074562*	*1.11091227*
Int SD	*339.82300000*	*25.14920000*	*149.69600000*	*5727.32000000*	*223398*	*4050.40000000*	*40.47520000*
RelInt Mean	0.00004501	0.00002110	0.00004334	---	---	---	0.00042546
RelInt RSD	*33.61502473*	*52.12022422*	*8.26980629*	---	---	---	*8.88201006*
RelInt SD	*0.00001513*	*0.00001100*	*0.00000358*	---	---	---	*0.00003779*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	156.34800000	5385.77000000	6049.15000000	435533	4643.91000000	189906	
Int RSD	*30.02986927*	*4.84300295*	*0.73117545*	*0.37058042*	*0.56530596*	*0.45110160*	
Int SD	*46.95110000*	*260.83300000*	*44.22990000*	*1614.00000000*	*26.25230000*	*856.66900000*	
RelInt Mean	-0.00021397	0.00082639	0.00106832	0.30053500	0.00006923	0.12956900	
RelInt RSD	*58.48604237*	*17.25754848*	*2.01262730*	*0.56418387*	*34.46866288*	*0.59725243*	
RelInt SD	*0.00012514*	*0.00014261*	*0.00002150*	*0.00169557*	*0.00002386*	*0.00077385*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S17048			Sample Type: Calibration Sample
Measure Date: 2022-10-12 09:39:47	Recalculation Date:	State: Measured	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	37762.90000000	6273.41000000	2633.30000000	5457.16000000	5796.51000000	1086110	5135.28000000
Int RSD	*0.70380453*	*1.09124543*	*0.75073102*	*1.42249815*	*0.16755893*	*1.04298828*	*0.98890421*
Int SD	*265.77700000*	*68.45830000*	*19.76900000*	*77.62800000*	*9.71257000*	*11328.00000000*	*50.78300000*
RelInt Mean	0.00003323	-0.00058599	-0.00005922	0.00032354	0.00036664	3.70867000	0.00003145
RelInt RSD	*28.86825046*	*17.58298392*	*17.15255932*	*9.95104160*	*9.51410235*	*0.58539584*	*11.90592611*
RelInt SD	*0.00000959*	*0.00010303*	*0.00001016*	*0.00003220*	*0.00003488*	*0.02171040*	*0.00000374*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5165.49000000	37145.30000000	20682.80000000	90626.70000000	237616	10075.20000000	3454.86000000
Int RSD	*1.09666847*	*0.30154017*	*0.91089214*	*0.91997723*	*0.77261211*	*0.08403992*	*0.93161517*
Int SD	*56.64830000*	*112.00800000*	*188.39800000*	*833.74500000*	*1835.85000000*	*8.46719000*	*32.18600000*
RelInt Mean	0.00009350	0.00017723	0.01068170	0.30903000	0.80342200	0.00261411	0.00006017
RelInt RSD	*29.85156039*	*5.53352217*	*1.58388646*	*1.91214122*	*0.82959516*	*1.61729231*	*14.37655916*
RelInt SD	*0.00002791*	*0.00000981*	*0.00016919*	*0.00590909*	*0.00666515*	*0.00004228*	*0.00000865*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	1597580	5721.77000000	5674.44000000	3635.29000000	2859.90000000	2588.66000000	1821.71000000
Int RSD	*0.30492808*	*0.94062851*	*1.21692361*	*1.12680969*	*1.09057310*	*1.45382939*	*9.47752386*
Int SD	*4871.47000000*	*53.82060000*	*69.05360000*	*40.96280000*	*31.18930000*	*37.63470000*	*172.65300000*
RelInt Mean	5.42259000	0.00019827	-0.00000305	-0.00002720	0.00002651	0.00005601	0.00312156
RelInt RSD	*1.65774842*	*3.72942043*	*529.54940960*	*37.62877122*	*16.25385257*	*68.39524952*	*11.57219467*
RelInt SD	*0.08989290*	*0.00000739*	*0.00001616*	*0.00001023*	*0.00000431*	*0.00003831*	*0.00036123*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	45890.80000000	2506.24000000	10458.60000000	1312810	24848300	293939	7244.91000000
Int RSD	*1.22216000*	*0.21099017*	*2.62810510*	*0.11500903*	*0.37416282*	*1.47130867*	*0.25293758*
Int SD	*560.85900000*	*5.28792000*	*274.86300000*	*1509.85000000*	*92973.10000000*	*4324.75000000*	*18.32510000*
RelInt Mean	0.00014022	-0.00000179	0.00006068	---	---	---	0.00293334
RelInt RSD	*7.14046298*	*998.26033622*	*8.86882652*	---	---	---	*0.54353058*
RelInt SD	*0.00001001*	*0.00001790*	*0.00000538*	---	---	---	*0.00001594*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	102.53100000	5128.01000000	6644.48000000	3451.82000000	5219.21000000	4658.48000000	
Int RSD	*131.39928412*	*3.33425637*	*0.57656732*	*0.57253854*	*0.61829855*	*1.24556722*	
Int SD	*134.72500000*	*170.98100000*	*38.30990000*	*19.76300000*	*32.27030000*	*58.02450000*	
RelInt Mean	-0.00028913	0.00102767	0.00101949	0.00032893	0.00008907	0.00067561	
RelInt RSD	*134.93540856*	*11.27803672*	*2.43468793*	*6.90183536*	*31.79397309*	*4.19478455*	
RelInt SD	*0.00039013*	*0.00011590*	*0.00002482*	*0.00002270*	*0.00002832*	*0.00002834*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S17366			Sample Type: Control Sample
Measure Date: 2022-10-12 09:43:15	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	358960	6231.69000000	27757.40000000	104024	454350	555879	228441
Int RSD	*0.81892969*	*2.11666498*	*0.35480232*	*0.26187514*	*0.10677033*	*0.70954111*	*0.04692152*
Int SD	*2939.63000000*	*131.90400000*	*98.48390000*	*272.41300000*	*485.11100000*	*3944.19000000*	*107.18800000*
RelInt Mean	0.01244120	0.00954705	0.01861250	0.07351600	0.33297300	1.87236000	0.16552800
RelInt RSD	*0.92015240*	*4.24642167*	*0.31204244*	*0.44257713*	*0.24919108*	*0.17878399*	*0.18647117*
RelInt SD	*0.00011448*	*0.00040541*	*0.00005808*	*0.00032537*	*0.00082974*	*0.00334748*	*0.00030866*
Conc Mean	0.47612000[mg/l]	0.99049200[mg/l]	1.03271000[mg/l]	0.98739700[mg/l]	0.94597900[mg/l]	100.93500000[mg/l]	0.96197200[mg/l]
Conc RSD	*0.92200706*	*5.02068669*	*0.31125485*	*0.44345891*	*0.25090726*	*0.17903106*	*0.18613639*
Conc SD	*0.00438986[mg/l]*	*0.04972950[mg/l]*	*0.00321436[mg/l]*	*0.00437870[mg/l]*	*0.00237353[mg/l]*	*0.18070500[mg/l]*	*0.00179058[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	191176	911583	420915	50492.90000000	127107	2127150	198896
Int RSD	*0.09601362*	*1.48786232*	*0.02988798*	*1.75224437*	*0.46354253*	*0.19609195*	*0.33616865*
Int SD	*183.55500000*	*13563.10000000*	*125.80300000*	*884.75900000*	*589.19500000*	*4171.17000000*	*668.62600000*
RelInt Mean	0.13795300	0.03402380	0.30727800	0.16966500	0.42161600	1.57275000	0.14500300
RelInt RSD	*0.19360942*	*1.54230862*	*0.16649256*	*1.36253794*	*0.39003026*	*0.08603275*	*0.18871954*
RelInt SD	*0.00026709*	*0.00052475*	*0.00051160*	*0.00231175*	*0.00164443*	*0.00135308*	*0.00027365*
Conc Mean	0.94639300[mg/l]	0.97561400[mg/l]	0.98377600[mg/l]	109.75900000[mg/l]	104.91300000[mg/l]	0.96629500[mg/l]	1.00308000[mg/l]
Conc RSD	*0.19355595*	*1.54819427*	*0.16663448*	*1.36388815*	*0.39025383*	*0.08607164*	*0.18905471*
Conc SD	*0.00183180[mg/l]*	*0.01510440[mg/l]*	*0.00163931[mg/l]*	*1.49699000[mg/l]*	*0.40942700[mg/l]*	*0.00083171[mg/l]*	*0.00189637[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	836790	148635	50392.20000000	31098.50000000	22925.50000000	350249	399462
Int RSD	*0.35017149*	*0.08997006*	*0.38759570*	*0.54632217*	*0.63350854*	*0.07700978*	*0.67240689*
Int SD	*2930.20000000*	*133.72700000*	*195.31800000*	*169.89800000*	*145.23500000*	*269.72600000*	*2686.01000000*
RelInt Mean	2.79195000	0.10609600	0.03317910	0.02032360	0.01491360	0.25792200	1.34274000
RelInt RSD	*0.52697935*	*0.11068749*	*0.37988975*	*0.45552068*	*0.69427905*	*0.10281403*	*0.22918957*
RelInt SD	*0.01471300*	*0.00011744*	*0.00012604*	*0.00009258*	*0.00010354*	*0.00026518*	*0.00307742*
Conc Mean	102.51800000[mg/l]	0.91786400[mg/l]	0.95035100[mg/l]	0.97457000[mg/l]	0.95265400[mg/l]	4.69255000[mg/l]	0.99809300[mg/l]
Conc RSD	*0.53071948*	*0.11072664*	*0.38077195*	*0.45852530*	*0.69513590*	*0.10298942*	*0.22914197*
Conc SD	*0.54408300[mg/l]*	*0.00101632[mg/l]*	*0.00361867[mg/l]*	*0.00446865[mg/l]*	*0.00662224[mg/l]*	*0.00483283[mg/l]*	*0.00228705[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	3166890	23171.20000000	162722	1354950	25793800	297837	350385
Int RSD	*0.91626801*	*0.46667415*	*1.23285112*	*0.14031662*	*0.60600997*	*0.85560558*	*0.33239722*
Int SD	*29017.20000000*	*108.13400000*	*2006.12000000*	*1901.22000000*	*156313*	*2548.31000000*	*1164.67000000*
RelInt Mean	0.12122800	0.01524830	0.00596848	---	---	---	0.25726700
RelInt RSD	*1.05144851*	*0.56966088*	*1.04374146*	---	---	---	*0.43823343*
RelInt SD	*0.00127465*	*0.00008686*	*0.00006230*	---	---	---	*0.00112743*
Conc Mean	1.02493000[mg/l]	0.95695300[mg/l]	1.00784000[mg/l]	1348150	25732300	296714	0.94153700[mg/l]
Conc RSD	*1.05115471*	*0.56873849*	*1.05206184*	---	---	---	*0.43901514*
Conc SD	*0.01077360[mg/l]*	*0.00544256[mg/l]*	*0.01060310[mg/l]*	*1887.65000000*	*156480*	*2568.67000000*	*0.00413349[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	104609	43689.50000000	454945	225755	365670	102582	
Int RSD	*0.56002256*	*1.22057703*	*0.29447955*	*0.23056012*	*0.23784150*	*0.23877776*	
Int SD	*585.83400000*	*533.26400000*	*1339.72000000*	*520.50100000*	*869.71500000*	*244.94300000*	
RelInt Mean	0.35157900	0.13002500	0.33330100	0.16500000	0.26715900	0.07324670	
RelInt RSD	*0.98067006*	*1.10091905*	*0.42577430*	*0.27688364*	*0.35014280*	*0.09696669*	
RelInt SD	*0.00344783*	*0.00143147*	*0.00141911*	*0.00045686*	*0.00093544*	*0.00007102*	
Conc Mean	1.02513000[mg/l]	1.03060000[mg/l]	5.29526000[mg/l]	5.48715000[mg/l]	0.98417400[mg/l]	5.62825000[mg/l]	
Conc RSD	*0.97935872*	*1.10609354*	*0.42989013*	*0.27719490*	*0.35194590*	*0.09791338*	
Conc SD	*0.01003970[mg/l]*	*0.01139940[mg/l]*	*0.02276380[mg/l]*	*0.01521010[mg/l]*	*0.00346376[mg/l]*	*0.00551081[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482410953012 File : met06_master Time : 12-OCT-2022 09:49
Cal : 482410953001 Caldate : 12-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29500400	28731300	-2.61
Yttrium	A	1431710	1418880	-0.90
Yttrium	R	329409	313230	-4.91

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1	Sample Type: Control Sample		
Measure Date: 2022-10-12 09:49:47	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	38474.00000000	1542.46000000	2176.95000000	4691.11000000	4965.28000000	387.08600000	4609.72000000
Int RSD	*0.46329989*	*4.09919868*	*0.91800455*	*0.91948814*	*0.80857676*	*13.85353642*	*1.30012452*
Int SD	*178.25000000*	*63.22850000*	*19.98450000*	*43.13420000*	*40.14810000*	*53.62510000*	*59.93210000*
RelInt Mean	0.00003489	0.00165091	-0.00006716	0.00026417	0.00011116	0.00087996	0.00001201
RelInt RSD	*22.11325017*	*8.61506684*	*57.98338971*	*20.19074838*	*23.21761113*	*12.45322215*	*283.15410694*
RelInt SD	*0.00000771*	*0.00014223*	*0.00003894*	*0.00005334*	*0.00002581*	*0.00010958*	*0.00003399*
Conc Mean	<0.00036282[mg/l]	<0.02190400[mg/l]	<-0.00089986[mg/l]	0.00166696[mg/l]	<0.00004518[mg/l]	<0.01026510[mg/l]	<-0.00002710[mg/l]
Conc RSD	*81.53597248*	*79.64755296*	*239.64759080*	*43.05766185*	*163.96195805*	*57.56923946*	*730.23240369*
Conc SD	*0.00029583[mg/l]*	*0.01744600[mg/l]*	*0.00215650[mg/l]*	*0.00071775[mg/l]*	*0.00007408[mg/l]*	*0.00590954[mg/l]*	*0.00019792[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	4428.32000000	36040.60000000	7387.98000000	99.73160000	1622.55000000	6303.15000000	3192.74000000
Int RSD	*0.52868808*	*0.94301982*	*0.60852357*	*69.07710294*	*4.46765277*	*0.58581662*	*1.33219116*
Int SD	*23.41200000*	*339.87000000*	*44.95760000*	*68.89170000*	*72.48990000*	*36.92490000*	*42.53340000*
RelInt Mean	0.00004105	0.00011958	0.00101926	0.00013073	-0.00002344	0.00027784	0.00013125
RelInt RSD	*52.33745481*	*5.08535637*	*1.64740106*	*136.53017983*	*1127.08202707*	*4.52883633*	*13.79498979*
RelInt SD	*0.00002149*	*0.00000608*	*0.00001679*	*0.00017849*	*0.00026424*	*0.00001258*	*0.00001811*
Conc Mean	<0.00022979[mg/l]	<-0.00027811[mg/l]	0.00207740[mg/l]	<-0.01589310[mg/l]	<-0.02960170[mg/l]	<-0.00015592[mg/l]	0.00074360[mg/l]
Conc RSD	*64.14916163*	*62.93700762*	*2.59157119*	*727.19607880*	*222.17338869*	*4.96002335*	*16.84678239*
Conc SD	*0.00014741[mg/l]*	*0.00017504[mg/l]*	*0.00005384[mg/l]*	*0.11557400[mg/l]*	*0.06576710[mg/l]*	*0.00000773[mg/l]*	*0.00012527[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12622.10000000	5268.65000000	5139.10000000	3282.01000000	2548.32000000	2420.35000000	877.36100000
Int RSD	*0.94151528*	*0.53908686*	*0.35582300*	*0.26244405*	*0.68168833*	*1.22200508*	*12.50796422*
Int SD	*118.83900000*	*28.40260000*	*18.28610000*	*8.61344000*	*17.37160000*	*29.57680000*	*109.74000000*
RelInt Mean	0.01829350	0.00024034	-0.00003403	-0.00001411	0.00000613	0.00016104	-0.00019459
RelInt RSD	*2.07380217*	*6.15826943*	*95.52476074*	*150.25082901*	*557.47227658*	*12.32710495*	*168.36322524*
RelInt SD	*0.00037937*	*0.00001480*	*0.00003251*	*0.00002121*	*0.00003418*	*0.00001985*	*0.00032762*
Conc Mean	<-0.03418080[mg/l]	0.00066603[mg/l]	<-0.00122660[mg/l]	<0.00051994[mg/l]	<-0.00064251[mg/l]	<-0.00408886[mg/l]	<-0.00000078[mg/l]
Conc RSD	*41.03795113*	*19.25433012*	*76.08397195*	*196.29497136*	*340.22816765*	*8.84605978*	*31064.14248954*
Conc SD	*0.01402710[mg/l]*	*0.00012824[mg/l]*	*0.00093325[mg/l]*	*0.00102062[mg/l]*	*0.00218600[mg/l]*	*0.00036170[mg/l]*	*0.00024349[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	42953.40000000	2206.10000000	9469.02000000	1418880	28731300	313230	3817.97000000
Int RSD	*0.56177625*	*0.27875754*	*1.10373618*	*0.65015999*	*0.69364421*	*1.66282604*	*0.42726108*
Int SD	*241.30200000*	*6.14967000*	*104.51300000*	*9224.99000000*	*199293*	*5208.47000000*	*16.31270000*
RelInt Mean	0.00005973	-0.00000357	0.00005160	---	---	---	0.00051465
RelInt RSD	*5.05870791*	*189.62856238*	*4.66997403*	---	---	---	*2.78362314*
RelInt SD	*0.00000302*	*0.00000676*	*0.00000241*	---	---	---	*0.00001433*
Conc Mean	0.00049512[mg/l]	0.00248238[mg/l]	<0.00118272[mg/l]	1412400	28671400	312003	<0.00028438[mg/l]
Conc RSD	*5.15953837*	*17.15853334*	*34.67752300*	---	---	---	*18.46364835*
Conc SD	*0.00002555[mg/l]*	*0.00042594[mg/l]*	*0.00041014[mg/l]*	*9287.20000000*	*199669*	*5206.30000000*	*0.00005251[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	28.68060000	5288.58000000	6106.68000000	3044.42000000	4689.28000000	3651.78000000	
Int RSD	*378.90072035*	*3.17109697*	*1.14333975*	*1.30249440*	*1.24188362*	*0.48611636*	
Int SD	*108.67100000*	*167.70600000*	*69.82010000*	*39.65340000*	*58.23540000*	*17.75190000*	
RelInt Mean	-0.00052457	0.00060239	0.00110420	0.00023505	0.00008744	0.00021292	
RelInt RSD	*77.13328733*	*62.94389700*	*4.22470567*	*16.72473868*	*32.00425439*	*6.89761738*	
RelInt SD	*0.00040461*	*0.00037917*	*0.00004665*	*0.00003931*	*0.00002798*	*0.00001469*	
Conc Mean	<-0.00013182[mg/l]	<-0.00051856[mg/l]	<-0.00144668[mg/l]	<0.00103863[mg/l]	<0.00007840[mg/l]	<-0.04064560[mg/l]	
Conc RSD	*893.73032429*	*582.54814312*	*51.45512484*	*126.02755553*	*140.07272894*	*2.80453481*	
Conc SD	*0.00117816[mg/l]*	*0.00302085[mg/l]*	*0.00074439[mg/l]*	*0.00130896[mg/l]*	*0.00010982[mg/l]*	*0.00113992[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482410953013 File : met06_master Time : 12-OCT-2022 09:53
Cal : 482410953001 Caldate : 12-OCT-2022
Standards: S17207, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.01090]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	132.3	mg/l	83	
Iron as Fe2O3	A	228.8	189.1	mg/l	83	
Aluminum	R	400.0	368.4	mg/l	92	
Aluminum as Al2O3	R	755.8	696.1	mg/l	92	
Calcium	R	400.0	396.4	mg/l	99	
Calcium as CaCO3	R	998.9	989.9	mg/l	99	
Magnesium	R	400.0	414.2	mg/l	104	
Magnesium as MgCO3	R	1388	1437	mg/l	104	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29500400	24560500	-16.75
Yttrium	A	1431710	1280530	-10.56
Yttrium	R	329409	285772	-13.25

-=low bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S17207			Sample Type: Control Sample
Measure Date: 2022-10-12 09:53:01	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	39941.60000000	867626	9137.01000000	7841.01000000	6785.62000000	2093170	6411.83000000
Int RSD	*0.32170469*	*0.90598714*	*0.65996316*	*0.61300904*	*0.78851159*	*1.05767807*	*0.87054866*
Int SD	*128.49400000*	*7860.58000000*	*60.30090000*	*48.06610000*	*53.50540000*	*22139.00000000*	*55.81810000*
RelInt Mean	0.00001310	3.00503000	-0.00007565	0.00068891	0.00024986	7.35121000	0.00017668
RelInt RSD	*4.25412365*	*0.73873472*	*73.56918623*	*6.60425890*	*11.94686688*	*0.86802581*	*25.06492110*
RelInt SD	*0.00000056*	*0.02219920*	*0.00005566*	*0.00004550*	*0.00002985*	*0.06381040*	*0.00004428*
Conc Mean	<-0.00047280[mg/l]	>368.43400000[mg/l]	<-0.00136749[mg/l]	0.00738257[mg/l]	0.00045316[mg/l]	>396.39400000[mg/l]	0.00092936[mg/l]
Conc RSD	*4.51827411*	*0.73904417*	*225.39177617*	*8.29314182*	*18.69496713*	*0.86809841*	*27.74977162*
Conc SD	*0.00002136[mg/l]*	*2.72289000[mg/l]*	*0.00308221[mg/l]*	*0.00061225[mg/l]*	*0.00008472[mg/l]*	*3.44109000[mg/l]*	*0.00025789[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	6216.73000000	40756.20000000	52508500	82.98600000	476898	13291.30000000	13721.30000000
Int RSD	*0.74929424*	*0.46893233*	*0.32517783*	*175.36933941*	*0.24136818*	*1.02106641*	*0.51122270*
Int SD	*46.58160000*	*191.11900000*	*170746*	*145.53200000*	*1151.08000000*	*135.71300000*	*70.14640000*
RelInt Mean	-0.00039037	0.00017664	41.26820000	0.00009592	1.66416000	0.00229749	-0.00035283
RelInt RSD	*12.74134795*	*4.16319830*	*0.52574379*	*515.40409490*	*0.40269505*	*4.93011939*	*11.81984627*
RelInt SD	*0.00004974*	*0.00000735*	*0.21696500*	*0.00049437*	*0.00670149*	*0.00011327*	*0.00004170*
Conc Mean	<-0.00273005[mg/l]	0.00136436[mg/l]	>132.28200000[mg/l]	<-0.03843560[mg/l]	>414.16900000[mg/l]	0.00108536[mg/l]	<-0.00260568[mg/l]
Conc RSD	*12.49914837*	*15.51533320*	*0.52599900*	*832.85027422*	*0.40254099*	*6.41404695*	*11.07353934*
Conc SD	*0.00034123[mg/l]*	*0.00021169[mg/l]*	*0.69580200[mg/l]*	*0.32011100[mg/l]*	*1.66720000[mg/l]*	*0.00006962[mg/l]*	*0.00028854[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12314.70000000	6469.84000000	15871.00000000	16439.10000000	11190.30000000	9289.57000000	8065.27000000
Int RSD	*0.74999959*	*1.39771772*	*1.34694096*	*1.25368785*	*0.38182086*	*0.51295270*	*3.89616219*
Int SD	*92.36020000*	*90.43010000*	*213.77300000*	*206.09500000*	*42.72690000*	*47.65110000*	*314.23600000*
RelInt Mean	0.02110380	-0.00013845	0.00219551	0.00011603	-0.00017071	0.00011075	0.02496770
RelInt RSD	*2.24496536*	*49.11852018*	*5.36185214*	*141.83623342*	*19.16841427*	*16.45910462*	*5.02557304*
RelInt SD	*0.00047377*	*0.00006800*	*0.00011772*	*0.00016457*	*0.00003272*	*0.00001823*	*0.00125477*
Conc Mean	<0.06972620[mg/l]	<-0.00261600[mg/l]	<-0.01090040[mg/l]	<0.00680590[mg/l]	<-0.01195110[mg/l]	<-0.00500520[mg/l]	0.01870030[mg/l]
Conc RSD	*25.12255078*	*22.52400612*	*33.73399141*	*116.46630130*	*17.50859753*	*6.63555902*	*4.98680770*
Conc SD	*0.01751700[mg/l]*	*0.00058923[mg/l]*	*0.00367714[mg/l]*	*0.00792658[mg/l]*	*0.00209247[mg/l]*	*0.00033212[mg/l]*	*0.00093255[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	51546.70000000	9272.68000000	12460.90000000	1280530	24560500	285772	16636.00000000
Int RSD	*0.53196422*	*0.83701368*	*0.83519649*	*0.24878917*	*0.47102461*	*0.20177449*	*0.77558307*
Int SD	*274.21000000*	*77.61360000*	*104.07300000*	*3185.82000000*	*115686*	*576.61500000*	*129.02600000*
RelInt Mean	0.00022322	-0.00004517	0.00003608	---	---	---	0.00114936
RelInt RSD	*3.31271867*	*31.35554945*	*11.66595985*	---	---	---	*11.26278973*
RelInt SD	*0.00000739*	*0.00001416*	*0.00000421*	---	---	---	*0.00012945*
Conc Mean	0.00187740[mg/l]	<-0.00012995[mg/l]	<-0.00145831[mg/l]	1272080	24487400	284574	0.00261389[mg/l]
Conc RSD	*3.32986577*	*685.83740526*	*49.11397440*	---	---	---	*18.15895084*
Conc SD	*0.00006251[mg/l]*	*0.00089128[mg/l]*	*0.00071623[mg/l]*	*3220.26000000*	*115749*	*540.15900000*	*0.00047466[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	174.53600000	4785.02000000	9218.80000000	7740.79000000	6798.10000000	9731.73000000	
Int RSD	*17.93624238*	*4.32127765*	*0.61597171*	*0.52509369*	*0.25281034*	*0.30297799*	
Int SD	*31.30520000*	*206.77400000*	*56.78520000*	*40.64640000*	*17.18630000*	*29.48500000*	
RelInt Mean	-0.00027506	0.00069632	0.00152217	0.00022804	-0.00028999	0.00033155	
RelInt RSD	*68.29311743*	*50.39299629*	*3.09836615*	*12.12800105*	*14.77726665*	*8.18303559*	
RelInt SD	*0.00018785*	*0.00035089*	*0.00004716*	*0.00002766*	*0.00004285*	*0.00002713*	
Conc Mean	<0.00059470[mg/l]	<0.00022976[mg/l]	0.00532136[mg/l]	<0.00080527[mg/l]	<-0.00131594[mg/l]	<-0.03143710[mg/l]	
Conc RSD	*91.97423226*	*1216.76285483*	*14.20766496*	*114.35672827*	*12.86312446*	*6.69890034*	
Conc SD	*0.00054697[mg/l]*	*0.00279561[mg/l]*	*0.00075604[mg/l]*	*0.00092088[mg/l]*	*0.00016927[mg/l]*	*0.00210594[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482410953014 File : met06_master Time : 12-OCT-2022 09:56
Cal : 482410953001 Caldate : 12-OCT-2022
Standards: S17208, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9277	mg/l	-7	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29500400	24659400	-16.41
Yttrium	A	1431710	1285270	-10.23
Yttrium	R	329409	287717	-12.66

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S17208			Sample Type: Control Sample
Measure Date: 2022-10-12 09:56:18	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	687046	869065	9170.46000000	7958.18000000	220284	2084730	104585
Int RSD	*0.36542822*	*0.96010885*	*0.48643579*	*1.09462716*	*0.20641354*	*0.69206084*	*0.66314864*
Int SD	*2510.66000000*	*8343.97000000*	*44.60840000*	*87.11240000*	*454.69600000*	*14427.60000000*	*693.55400000*
RelInt Mean	0.02625870	2.98965000	-0.00005880	0.00075373	0.16734300	7.27350000	0.07686900
RelInt RSD	*0.90068054*	*0.60543876*	*44.08251217*	*8.33303261*	*0.24850576*	*1.03838592*	*0.37638970*
RelInt SD	*0.00023651*	*0.01810050*	*0.00002592*	*0.00006281*	*0.00041586*	*0.07552700*	*0.00028933*
Conc Mean	1.00599000[mg/l]	>366.54900000[mg/l]	<-0.00085405[mg/l]	0.00825489[mg/l]	0.47714800[mg/l]	>392.20400000[mg/l]	0.44748800[mg/l]
Conc RSD	*0.90180718*	*0.60560525*	*168.12559423*	*10.23877968*	*0.24876349*	*1.03849272*	*0.37651289*
Conc SD	*0.00907209[mg/l]*	*2.21984000[mg/l]*	*0.00143588[mg/l]*	*0.00084520[mg/l]*	*0.00118697[mg/l]*	*4.07301000[mg/l]*	*0.00168485[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	94763.80000000	482513	52845200	132.49100000	481628	1007730	13718.40000000
Int RSD	*0.46236854*	*0.44397560*	*0.36443423*	*67.54179529*	*0.60098458*	*0.16216447*	*0.50712328*
Int SD	*438.15800000*	*2142.24000000*	*192586*	*89.48680000*	*2894.51000000*	*1634.18000000*	*69.56920000*
RelInt Mean	0.06891940	0.01808940	41.38130000	0.00010562	1.66957000	0.78105400	-0.00045761
RelInt RSD	*0.15485045*	*0.88547437*	*0.10083830*	*130.58532798*	*0.46748624*	*0.27426785*	*14.71789358*
RelInt SD	*0.00010672*	*0.00016018*	*0.04172820*	*0.00013792*	*0.00780501*	*0.00214218*	*0.00006735*
Conc Mean	0.47277900[mg/l]	0.51696000[mg/l]	>132.64500000[mg/l]	<-0.03215670[mg/l]	>415.51600000[mg/l]	0.47971400[mg/l]	<-0.00333063[mg/l]
Conc RSD	*0.15489922*	*0.89206708*	*0.10053149*	*277.71599698*	*0.46737069*	*0.27443227*	*13.99092664*
Conc SD	*0.00073233[mg/l]*	*0.00461163[mg/l]*	*0.13335000[mg/l]*	*0.08930430[mg/l]*	*1.94200000[mg/l]*	*0.00131649[mg/l]*	*0.00046599[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12290.40000000	136048	57690.50000000	16406.90000000	11225.00000000	9267.31000000	8202.92000000
Int RSD	*0.59452825*	*0.33630263*	*0.07690348*	*1.17769353*	*1.17983073*	*0.70272819*	*1.29494131*
Int SD	*73.06990000*	*457.53300000*	*44.36600000*	*193.22300000*	*132.43600000*	*65.12400000*	*106.22300000*
RelInt Mean	0.02053300	0.10123900	0.03493460	0.00013940	-0.00019289	0.00007364	0.02518400
RelInt RSD	*0.21615302*	*0.11905293*	*0.53654543*	*110.65981837*	*50.56212803*	*48.63726731*	*2.28227049*
RelInt SD	*0.00004438*	*0.00012053*	*0.00018744*	*0.00015426*	*0.00009753*	*0.00003582*	*0.00057477*
Conc Mean	<0.04862180[mg/l]	0.87577700[mg/l]	0.92766100[mg/l]	<0.00514219[mg/l]	<-0.01336960[mg/l]	<-0.00568133[mg/l]	0.01886100[mg/l]
Conc RSD	*3.37616049*	*0.11929978*	*0.54339894*	*144.51352439*	*46.64926400*	*11.48665893*	*2.26486931*
Conc SD	*0.00164155[mg/l]*	*0.00104480[mg/l]*	*0.00504090[mg/l]*	*0.00743116[mg/l]*	*0.00623682[mg/l]*	*0.00065260[mg/l]*	*0.00042718[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	51844.80000000	9431.10000000	86014.30000000	1285270	24659400	287717	327370
Int RSD	*0.25425501*	*0.47677153*	*1.20002139*	*0.43594809*	*0.59632838*	*1.02244219*	*0.40831781*
Int SD	*131.81800000*	*44.96480000*	*1032.19000000*	*5603.11000000*	*147051*	*2941.74000000*	*1336.71000000*
RelInt Mean	0.00023643	0.00003887	0.00301956	---	---	---	0.24440700
RelInt RSD	*2.48301794*	*221.66772570*	*1.73881625*	---	---	---	*0.12413106*
RelInt SD	*0.00000587*	*0.00008617*	*0.00005250*	---	---	---	*0.00030339*
Conc Mean	0.00198902[mg/l]	<0.00515999[mg/l]	0.50633000[mg/l]	1276730	24586400	286468	0.89460600[mg/l]
Conc RSD	*2.49512323*	*105.09594011*	*1.76494381*	---	---	---	*0.12450174*
Conc SD	*0.00004963[mg/l]*	*0.00542294[mg/l]*	*0.00893644[mg/l]*	*5593.65000000*	*147647*	*2928.57000000*	*0.00111380[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	49561.40000000	4926.89000000	9239.96000000	7932.06000000	356588	9728.63000000	
Int RSD	*0.59822765*	*3.62847557*	*2.05931627*	*0.67276596*	*0.30405398*	*0.25711739*	
Int SD	*296.49000000*	*178.77100000*	*190.28000000*	*53.36420000*	*1084.22000000*	*25.01400000*	
RelInt Mean	0.17220700	0.00071584	0.00154739	0.00040787	0.27328900	0.00030797	
RelInt RSD	*0.82234172*	*98.45888210*	*8.07482277*	*13.01933190*	*0.27420094*	*5.42545419*	
RelInt SD	*0.00141613*	*0.00070481*	*0.00012495*	*0.00005310*	*0.00074936*	*0.00001671*	
Conc Mean	0.50282800[mg/l]	<0.00038532[mg/l]	0.00574159[mg/l]	0.00679300[mg/l]	1.01061000[mg/l]	<-0.03326800[mg/l]	
Conc RSD	*0.81990064*	*1457.29523513*	*34.77764870*	*26.02885323*	*0.27509128*	*3.89828063*	
Conc SD	*0.00412269[mg/l]*	*0.00561525[mg/l]*	*0.00199679[mg/l]*	*0.00176814[mg/l]*	*0.00278010[mg/l]*	*0.00129688[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482410953076 File : met06_master Time : 12-OCT-2022 13:33
Cal : 482410953001 Caldate : 12-OCT-2022
Standards: S17366, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0361	0.0329	1.000	0.9435	mg/l	-6	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29500400	24341000	-17.49
Yttrium	A	1431710	1309040	-8.57
Yttrium	R	329409	249259	-24.33

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17366			Sample Type: Control Sample
Measure Date: 2022-10-12 13:33:20	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	349382	5888.92000000	26417.00000000	99053.30000000	425354	457149	216253
Int RSD	*0.85340115*	*2.45712287*	*0.73850172*	*0.36413931*	*0.23833795*	*0.62161133*	*0.27069266*
Int SD	*2981.63000000*	*144.69800000*	*195.09000000*	*360.69200000*	*1013.78000000*	*2841.69000000*	*585.38100000*
RelInt Mean	0.01250700	0.01035430	0.01792830	0.07168740	0.32202500	1.84384000	0.16147200
RelInt RSD	*1.19988007*	*6.24238239*	*0.95419532*	*0.30420409*	*0.09000699*	*0.23404471*	*0.19196022*
RelInt SD	*0.00015007*	*0.00064636*	*0.00017107*	*0.00021808*	*0.00028985*	*0.00431541*	*0.00030996*
Conc Mean	0.47864400[mg/l]	1.08951000[mg/l]	0.99484700[mg/l]	0.96279100[mg/l]	0.91486800[mg/l]	99.39640000[mg/l]	0.93838400[mg/l]
Conc RSD	*1.20242602*	*7.27736322*	*0.95248013*	*0.30482836*	*0.09092252*	*0.23396723*	*0.19228482*
Conc SD	*0.00575534[mg/l]*	*0.07928760[mg/l]*	*0.00947572[mg/l]*	*0.00293486[mg/l]*	*0.00083182[mg/l]*	*0.23255500[mg/l]*	*0.00180437[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	180156	821191	402893	43817.40000000	108674	1984470	186367
Int RSD	*0.57363618*	*1.02052263*	*1.48810478*	*0.91781119*	*0.35372950*	*0.46130050*	*0.09077090*
Int SD	*1033.44000000*	*8380.44000000*	*5995.47000000*	*402.16100000*	*384.41200000*	*9154.37000000*	*169.16700000*
RelInt Mean	0.13379000	0.03212430	0.30363100	0.17599600	0.42895300	1.51903000	0.14016600
RelInt RSD	*0.46093729*	*1.25091286*	*1.38368612*	*1.30928544*	*0.80805589*	*0.53836198*	*0.21348615*
RelInt SD	*0.00061669*	*0.00040185*	*0.00420130*	*0.00230429*	*0.00346618*	*0.00817788*	*0.00029923*
Conc Mean	0.91783000[mg/l]	0.92093900[mg/l]	0.97208700[mg/l]	113.85900000[mg/l]	106.73800000[mg/l]	0.93327600[mg/l]	0.96961800[mg/l]
Conc RSD	*0.46109737*	*1.25594638*	*1.38533897*	*1.31050685*	*0.80796624*	*0.53864666*	*0.21346551*
Conc SD	*0.00423209[mg/l]*	*0.01156650[mg/l]*	*0.01346670[mg/l]*	*1.49213000[mg/l]*	*0.86240700[mg/l]*	*0.00502706[mg/l]*	*0.00206980[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	703221	141708	49466.50000000	29392.60000000	22447.10000000	333610	322787
Int RSD	*0.79062912*	*0.54495794*	*0.20923049*	*0.78685111*	*0.25607406*	*0.18659513*	*0.86035373*
Int SD	*5559.87000000*	*772.24900000*	*103.49900000*	*231.27600000*	*57.48120000*	*622.50000000*	*2777.11000000*
RelInt Mean	2.80086000	0.10391500	0.03293990	0.01924810	0.01468370	0.25408100	1.29766000
RelInt RSD	*0.19516684*	*0.43031901*	*0.15709186*	*1.00566809*	*0.27174895*	*0.08670581*	*0.18358199*
RelInt SD	*0.00546635*	*0.00044717*	*0.00005175*	*0.00019357*	*0.00003990*	*0.00022030*	*0.00238227*
Conc Mean	102.84800000[mg/l]	0.89897100[mg/l]	0.94347700[mg/l]	0.92293300[mg/l]	0.93795400[mg/l]	4.62256000[mg/l]	0.96458700[mg/l]
Conc RSD	*0.19621480*	*0.43101502*	*0.15710505*	*1.01143312*	*0.27201654*	*0.08697626*	*0.18383826*
Conc SD	*0.20180300[mg/l]*	*0.00387470[mg/l]*	*0.00148225[mg/l]*	*0.00933485[mg/l]*	*0.00255139[mg/l]*	*0.00402053[mg/l]*	*0.00177328[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2940610	22369.80000000	154451	1309040	24341000	249259	347689
Int RSD	*0.56770194*	*0.46147038*	*1.17485805*	*0.13868942*	*0.29179122*	*0.67635271*	*0.06126193*
Int SD	*16693.90000000*	*103.23000000*	*1814.58000000*	*1815.50000000*	*71024.90000000*	*1685.87000000*	*213.00100000*
RelInt Mean	0.11889400	0.01485720	0.00591624	---	---	---	0.26400500
RelInt RSD	*0.78670749*	*0.45718978*	*1.32972800*	---	---	---	*0.20042196*
RelInt SD	*0.00093535*	*0.00006793*	*0.00007867*	---	---	---	*0.00052912*
Conc Mean	1.00519000[mg/l]	0.93248400[mg/l]	0.99895900[mg/l]	1301210	24273100	247733	0.96626200[mg/l]
Conc RSD	*0.78654583*	*0.46009476*	*1.34015510*	---	---	---	*0.20100966*
Conc SD	*0.00790628[mg/l]*	*0.00429031[mg/l]*	*0.01338760[mg/l]*	*1864.36000000*	*70836.50000000*	*1697.68000000*	*0.00194228[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	83374.50000000	38317.90000000	401588	211303	339662	99952.70000000	
Int RSD	*0.08328086*	*0.69166369*	*0.23458395*	*0.19537631*	*0.08967326*	*1.50433155*	
Int SD	*69.43500000*	*265.03100000*	*942.06100000*	*412.83600000*	*304.58600000*	*1503.62000000*	
RelInt Mean	0.33540400	0.12987000	0.30364500	0.15956200	0.25618600	0.07350910	
RelInt RSD	*0.60834099*	*0.96713637*	*0.12622931*	*0.22031311*	*0.03223884*	*1.43583584*	
RelInt SD	*0.00204040*	*0.00125602*	*0.00038329*	*0.00035154*	*0.00008259*	*0.00105547*	
Conc Mean	0.97802900[mg/l]	1.02936000[mg/l]	4.82114000[mg/l]	5.30606000[mg/l]	0.94372500[mg/l]	5.64862000[mg/l]	
Conc RSD	*0.60751777*	*0.97224489*	*0.12757854*	*0.22064583*	*0.02967856*	*1.45036664*	
Conc SD	*0.00594170[mg/l]*	*0.01000790[mg/l]*	*0.00615074[mg/l]*	*0.01170760[mg/l]*	*0.00028008[mg/l]*	*0.08192570[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482410953077 File : met06_master Time : 12-OCT-2022 13:36
Cal : 482410953001 Caldate : 12-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29500400	27358100	-7.26
Yttrium	A	1431710	1360980	-4.94
Yttrium	R	329409	265161	-19.50

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-10-12 13:36:34	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	48372.70000000	1762.58000000	2613.11000000	5825.89000000	5923.92000000	505.19100000	5542.94000000
Int RSD	*1.45720417*	*3.27865402*	*1.22562387*	*1.22729918*	*0.85907811*	*4.34316922*	*0.60393943*
Int SD	*704.88900000*	*57.78890000*	*32.02690000*	*71.50110000*	*50.89110000*	*21.94130000*	*33.47600000*
RelInt Mean	0.00014241	0.00145521	-0.00007215	0.00041956	0.00010705	0.00115389	0.00001742
RelInt RSD	*17.55131275*	*22.04403488*	*35.79789888*	*15.01985413*	*38.46999589*	*16.86434582*	*172.53633504*
RelInt SD	*0.00002500*	*0.00032079*	*0.00002583*	*0.00006302*	*0.00004118*	*0.00019460*	*0.00003006*
Conc Mean	0.00448619[mg/l]	<-0.00210169[mg/l]	<-0.00117647[mg/l]	0.00375800[mg/l]	<0.00001819[mg/l]	<0.02503760[mg/l]	<-0.00000068[mg/l]
Conc RSD	*21.36559085*	*1872.29800779*	*121.57386079*	*22.56543374*	*613.61587511*	*41.91296290*	*25867.24441372*
Conc SD	*0.00095850[mg/l]*	*0.03934990[mg/l]*	*0.00143028[mg/l]*	*0.00084801[mg/l]*	*0.00011163[mg/l]*	*0.01049400[mg/l]*	*0.00017623[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5402.13000000	42939.00000000	10959.50000000	333.45600000	1980.61000000	7738.23000000	4594.70000000
Int RSD	*0.20465076*	*2.39332542*	*4.49052420*	*14.35136870*	*2.02800652*	*0.47635312*	*6.46107472*
Int SD	*11.05550000*	*1027.67000000*	*492.13900000*	*47.85550000*	*40.16690000*	*36.86130000*	*296.86700000*
RelInt Mean	0.00009654	0.00016775	0.00279436	0.00031077	-0.00016994	0.00051190	0.00073399
RelInt RSD	*15.37764325*	*25.12676375*	*13.69719721*	*37.03414100*	*190.68965517*	*5.12550327*	*31.93022229*
RelInt SD	*0.00001485*	*0.00004215*	*0.00038275*	*0.00011509*	*0.00032406*	*0.00002624*	*0.00023436*
Conc Mean	0.00061045[mg/l]	<0.00110846[mg/l]	0.00776741[mg/l]	<0.10068300[mg/l]	<-0.06606310[mg/l]	<-0.00001206[mg/l]	0.00491381[mg/l]
Conc RSD	*16.68397619*	*109.45546073*	*15.79535521*	*74.01756006*	*122.08797347*	*133.66765859*	*32.99924091*
Conc SD	*0.00010185[mg/l]*	*0.00121327[mg/l]*	*0.00122689[mg/l]*	*0.07452310[mg/l]*	*0.08065510[mg/l]*	*0.00001613[mg/l]*	*0.00162152[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	12073.40000000	6244.93000000	6136.61000000	4057.59000000	3080.33000000	3335.43000000	1195.02000000
Int RSD	*0.67092782*	*0.31055112*	*0.07624633*	*0.94272216*	*0.36123078*	*7.29531125*	*9.69808037*
Int SD	*81.00380000*	*19.39370000*	*4.67894000*	*38.25180000*	*11.12710000*	*243.33000000*	*115.89400000*
RelInt Mean	0.01497780	0.00026251	-0.00000903	0.00006371	0.00001270	0.00052901	-0.00028282
RelInt RSD	*1.98151932*	*18.73866701*	*93.84742926*	*59.23754034*	*163.70214073*	*35.85042977*	*110.21971883*
RelInt SD	*0.00029679*	*0.00004919*	*0.00000848*	*0.00003774*	*0.00002079*	*0.00018965*	*0.00031172*
Conc Mean	<-0.15677400[mg/l]	0.00085813[mg/l]	<-0.00050548[mg/l]	0.00426618[mg/l]	<-0.00022242[mg/l]	<0.00261591[mg/l]	<-0.00006635[mg/l]
Conc RSD	*6.99963004*	*49.66788249*	*48.48439886*	*42.61212607*	*597.79964841*	*132.10049275*	*349.14685643*
Conc SD	*0.01097360[mg/l]*	*0.00042622[mg/l]*	*0.00024508[mg/l]*	*0.00181791[mg/l]*	*0.00132962[mg/l]*	*0.00345563[mg/l]*	*0.00023167[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	59870.10000000	2611.03000000	11270.40000000	1360980	27358100	265161	4476.87000000
Int RSD	*4.43179484*	*0.04711934*	*1.96014338*	*0.40981425*	*0.80428831*	*0.51865470*	*1.09128253*
Int SD	*2653.32000000*	*1.23030000*	*220.91600000*	*5577.49000000*	*220038*	*1375.27000000*	*48.85530000*
RelInt Mean	0.00041192	-0.00002331	0.00005666	---	---	---	0.00056040
RelInt RSD	*23.53375154*	*67.03115683*	*21.16932744*	---	---	---	*7.74783906*
RelInt SD	*0.00009694*	*0.00001563*	*0.00001199*	---	---	---	*0.00004342*
Conc Mean	0.00347277[mg/l]	<0.00122138[mg/l]	<0.00204135[mg/l]	1353470	27291600	263614	<0.00045199[mg/l]
Conc RSD	*23.60058397*	*79.98313383*	*99.96962794*	---	---	---	*35.23123248*
Conc SD	*0.00081959[mg/l]*	*0.00097690[mg/l]*	*0.00204073[mg/l]*	*5588.78000000*	*220184*	*1317.41000000*	*0.00015924[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	164.20700000	6175.29000000	6782.45000000	3472.71000000	5637.31000000	6073.93000000	
Int RSD	*8.51333987*	*1.28716384*	*0.49236190*	*2.82187686*	*0.89854736*	*2.31535431*	
Int SD	*13.97950000*	*79.48610000*	*33.39420000*	*97.99560000*	*50.65390000*	*140.63300000*	
RelInt Mean	-0.00020466	0.00039272	0.00090038	0.00028582	0.00010078	0.00167774	
RelInt RSD	*71.40560640*	*75.80540843*	*5.01441057*	*27.71416676*	*30.60212749*	*5.83096308*	
RelInt SD	*0.00014614*	*0.00029770*	*0.00004515*	*0.00007921*	*0.00003084*	*0.00009783*	
Conc Mean	<0.00079968[mg/l]	<-0.00218901[mg/l]	<-0.00480412[mg/l]	<0.00272891[mg/l]	<0.00012874[mg/l]	0.07305430[mg/l]	
Conc RSD	*53.21164360*	*108.35080699*	*14.34262675*	*96.64957804*	*87.95218158*	*10.39392616*	
Conc SD	*0.00042553[mg/l]*	*0.00237181[mg/l]*	*0.00068904[mg/l]*	*0.00263748[mg/l]*	*0.00011323[mg/l]*	*0.00759321[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482410953084 File : met06_master Time : 12-OCT-2022 14:00
Cal : 482410953001 Caldate : 12-OCT-2022
Standards: S17366, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0361	0.0330	1.000	0.9439	mg/l	-6	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29500400	23367100	-20.79
Yttrium	A	1431710	1285910	-10.18
Yttrium	R	329409	237400	-27.93

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17366	Sample Type: Control Sample		
Measure Date: 2022-10-12 14:00:10	Recalculation Date:	State: Check failed	Quality: Failed | Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	332929	5903.71000000	26049.60000000	96815.60000000	416980	435486	211951
Int RSD	*0.86632886*	*4.13377351*	*0.59305709*	*0.21695987*	*0.46287592*	*1.39639391*	*0.57240589*
Int SD	*2884.26000000*	*244.04600000*	*154.48900000*	*210.05100000*	*1930.10000000*	*6081.10000000*	*1213.22000000*
RelInt Mean	0.01224120	0.01064410	0.01791610	0.07105230	0.32115800	1.84585000	0.16086800
RelInt RSD	*1.23770545*	*4.71941263*	*0.90616261*	*0.05557076*	*0.31803038*	*0.50865238*	*0.33992155*
RelInt SD	*0.00015151*	*0.00050234*	*0.00016235*	*0.00003948*	*0.00102138*	*0.00938896*	*0.00054683*
Conc Mean	0.46845000[mg/l]	1.12507000[mg/l]	0.99417900[mg/l]	0.95424400[mg/l]	0.91240200[mg/l]	99.50440000[mg/l]	0.93483500[mg/l]
Conc RSD	*1.24014302*	*5.47717920*	*0.90456447*	*0.05569362*	*0.31739190*	*0.50892624*	*0.33903095*
Conc SD	*0.00580945[mg/l]*	*0.06162210[mg/l]*	*0.00899299[mg/l]*	*0.00053145[mg/l]*	*0.00289589[mg/l]*	*0.50640400[mg/l]*	*0.00316938[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	176541	790499	384742	42302.20000000	104099	1941090	182978
Int RSD	*0.58265219*	*1.14157766*	*0.52518571*	*1.14095721*	*0.84499947*	*0.45670216*	*0.60680519*
Int SD	*1028.62000000*	*9024.16000000*	*2020.61000000*	*482.65000000*	*879.63600000*	*8865.00000000*	*1110.32000000*
RelInt Mean	0.13324200	0.03208320	0.29470800	0.17793400	0.43065900	1.51256000	0.13995300
RelInt RSD	*0.43404182*	*1.23314383*	*0.31165323*	*2.01756269*	*1.36698177*	*0.57515338*	*0.52909620*
RelInt SD	*0.00057833*	*0.00039563*	*0.00091847*	*0.00358993*	*0.00588703*	*0.00869954*	*0.00074049*
Conc Mean	0.91407300[mg/l]	0.91975600[mg/l]	0.94348300[mg/l]	115.11400000[mg/l]	107.16300000[mg/l]	0.92930100[mg/l]	0.96814300[mg/l]
Conc RSD	*0.43388329*	*1.23813272*	*0.31197594*	*2.01975433*	*1.36715098*	*0.57538193*	*0.52929268*
Conc SD	*0.00396601[mg/l]*	*0.01138780[mg/l]*	*0.00294344[mg/l]*	*2.32502000[mg/l]*	*1.46508000[mg/l]*	*0.00534703[mg/l]*	*0.00512431[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	667376	139215	48983.90000000	28986.40000000	22002.70000000	327741	304096
Int RSD	*0.54135150*	*0.77036239*	*0.09344193*	*0.54758438*	*1.21662341*	*0.44832047*	*1.49014785*
Int SD	*3612.85000000*	*1072.46000000*	*45.77150000*	*158.72500000*	*267.69000000*	*1469.33000000*	*4531.48000000*
RelInt Mean	2.78977000	0.10365000	0.03295540	0.01916430	0.01452100	0.25408600	1.28365000
RelInt RSD	*0.55534686*	*0.60612542*	*0.13264685*	*0.83501615*	*1.37444391*	*0.22496832*	*0.64584661*
RelInt SD	*0.01549290*	*0.00062825*	*0.00004371*	*0.00016003*	*0.00019958*	*0.00057161*	*0.00829041*
Conc Mean	102.43800000[mg/l]	0.89666500[mg/l]	0.94391400[mg/l]	0.91892000[mg/l]	0.92754500[mg/l]	4.62264000[mg/l]	0.95417400[mg/l]
Conc RSD	*0.55939202*	*0.60703830*	*0.13320705*	*0.83943978*	*1.37574996*	*0.22514624*	*0.64569250*
Conc SD	*0.57303000[mg/l]*	*0.00544310[mg/l]*	*0.00125736[mg/l]*	*0.00771378[mg/l]*	*0.01276070[mg/l]*	*0.01040770[mg/l]*	*0.00616103[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	2883990	22087.70000000	151266	1285910	23367100	237400	345812
Int RSD	*1.44474495*	*0.32332565*	*1.27835733*	*0.24581425*	*0.34291461*	*0.95445661*	*0.45040947*
Int SD	*41666.30000000*	*71.41520000*	*1933.72000000*	*3160.95000000*	*80129.20000000*	*2265.88000000*	*1557.57000000*
RelInt Mean	0.12136500	0.01485080	0.00601279	---	---	---	0.26721300
RelInt RSD	*1.31982038*	*0.42486263*	*1.46487238*	---	---	---	*0.27658609*
RelInt SD	*0.00160180*	*0.00006310*	*0.00008808*	---	---	---	*0.00073907*
Conc Mean	1.02608000[mg/l]	0.93203500[mg/l]	1.01539000[mg/l]	1277880	23296900	235724	0.97803100[mg/l]
Conc RSD	*1.31993607*	*0.43090335*	*1.47662475*	---	---	---	*0.27696668*
Conc SD	*0.01354360[mg/l]*	*0.00401617[mg/l]*	*0.01499350[mg/l]*	*3173.98000000*	*80120.60000000*	*2303.32000000*	*0.00270882[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	78753.00000000	37330.00000000	389507	208003	331854	94018.00000000	
Int RSD	*0.79637474*	*1.26693544*	*0.58332970*	*0.40958496*	*0.57970373*	*0.09959306*	
Int SD	*627.16900000*	*472.94700000*	*2272.11000000*	*851.94900000*	*1923.77000000*	*93.63540000*	
RelInt Mean	0.33283300	0.13061300	0.29966300	0.15984100	0.25452400	0.07015010	
RelInt RSD	*1.36822370*	*2.07816986*	*0.33997190*	*0.35817844*	*0.36919505*	*0.35994959*	
RelInt SD	*0.00455390*	*0.00271436*	*0.00101877*	*0.00057252*	*0.00093969*	*0.00025250*	
Conc Mean	0.97054200[mg/l]	1.03528000[mg/l]	4.75740000[mg/l]	5.31536000[mg/l]	0.93757800[mg/l]	5.38789000[mg/l]	
Conc RSD	*1.36618508*	*2.08938645*	*0.34168664*	*0.35856838*	*0.37363611*	*0.36378805*	
Conc SD	*0.01325940[mg/l]*	*0.02163100[mg/l]*	*0.01625540[mg/l]*	*0.01905920[mg/l]*	*0.00350313[mg/l]*	*0.01960050[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 470460 METALS Wipe
EPA 6010B

Inst : MET06 IDF : 1.0
Seqnum : 482410953085 File : met06_master Time : 12-OCT-2022 14:03
Cal : 482410953001 Caldate : 12-OCT-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29500400	25994400	-11.88
Yttrium	A	1431710	1383350	-3.38
Yttrium	R	329409	251904	-23.53

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-10-12 14:03:25	Recalculation Date:	State: Checked	Quality: Drifted

	Ag 328.068	Al_R 396.152	As 189.042	B 249.677	Ba 230.424	Ca_R 317.933	Co 228.616
Int Mean	47387.20000000	1926.77000000	2734.74000000	6020.89000000	6114.18000000	470.43700000	5755.74000000
Int RSD	*0.12599331*	*2.60701070*	*0.88513350*	*1.70938184*	*0.86193897*	*17.58241805*	*0.13028681*
Int SD	*59.70470000*	*50.23110000*	*24.20610000*	*102.92000000*	*52.70050000*	*82.71420000*	*7.49897000*
RelInt Mean	0.00003238	0.00160189	-0.00002641	0.00040915	0.00008626	0.00111144	0.00000296
RelInt RSD	*7.88987142*	*13.10258507*	*78.11351186*	*16.36188772*	*25.06703485*	*19.65351256*	*776.90475548*
RelInt SD	*0.00000255*	*0.00020989*	*0.00002063*	*0.00006694*	*0.00002162*	*0.00021844*	*0.00002303*
Conc Mean	<0.00026661[mg/l]	<0.01589190[mg/l]	<0.00135659[mg/l]	0.00361790[mg/l]	<-0.00003984[mg/l]	<0.02274880[mg/l]	<-0.00008528[mg/l]
Conc RSD	*36.74287065*	*162.01146496*	*84.21556992*	*24.89985903*	*143.66416697*	*51.78251161*	*158.87388021*
Conc SD	*0.00009796[mg/l]*	*0.02574670[mg/l]*	*0.00114246[mg/l]*	*0.00090085[mg/l]*	*0.00005724[mg/l]*	*0.01177990[mg/l]*	*0.00013549[mg/l]*

	Cr 267.716	Cu 324.754	Fe 259.941	K_R 769.896	Mg_R 383.230	Mn 257.611	Mo 202.095
Int Mean	5604.38000000	44504.80000000	9553.25000000	287.67600000	2117.85000000	7855.67000000	4647.54000000
Int RSD	*0.76013582*	*2.56158886*	*3.22888022*	*25.09614984*	*7.04894114*	*1.04723849*	*8.70845652*
Int SD	*42.60090000*	*1140.03000000*	*308.46300000*	*72.19560000*	*149.28600000*	*82.26760000*	*404.72900000*
RelInt Mean	0.00007696	0.00017015	0.00153716	0.00003925	0.00003502	0.00037706	0.00068364
RelInt RSD	*25.62997748*	*26.42436496*	*14.62326628*	*463.20496325*	*1615.22911628*	*11.88122908*	*42.89162231*
RelInt SD	*0.00001972*	*0.00004496*	*0.00022478*	*0.00018180*	*0.00056571*	*0.00004480*	*0.00029322*
Conc Mean	0.00047613[mg/l]	<0.00117734[mg/l]	0.00373750[mg/l]	<-0.07513070[mg/l]	<-0.01504940[mg/l]	<-0.00009494[mg/l]	0.00456544[mg/l]
Conc RSD	*28.42149922*	*109.91981925*	*19.27815385*	*156.68561587*	*935.58547185*	*29.00305997*	*44.43711888*
Conc SD	*0.00013532[mg/l]*	*0.00129413[mg/l]*	*0.00072052[mg/l]*	*0.11771900[mg/l]*	*0.14080000[mg/l]*	*0.00002753[mg/l]*	*0.00202875[mg/l]*

	Na_R 589.592	Ni 231.604	Pb 220.353	Sb 206.833	Se 196.090	Sn 189.991	Sr_R 407.771
Int Mean	13218.60000000	6427.63000000	6381.39000000	4251.69000000	3169.10000000	3432.98000000	1357.92000000
Int RSD	*1.83660902*	*0.09972603*	*0.40720752*	*2.13600945*	*0.75750844*	*8.09340573*	*7.56340580*
Int SD	*242.77400000*	*6.41002000*	*25.98550000*	*90.81650000*	*24.00620000*	*277.84500000*	*102.70500000*
RelInt Mean	0.01918660	0.00022725	0.00002289	0.00010314	-0.00000777	0.00054400	-0.00014091
RelInt RSD	*0.97874558*	*8.94001267*	*30.60107642*	*55.12429466*	*75.56502940*	*35.08806115*	*321.02521521*
RelInt SD	*0.00018779*	*0.00002032*	*0.00000700*	*0.00005686*	*0.00000587*	*0.00019088*	*0.00045235*
Conc Mean	<-0.00116159[mg/l]	0.00055262[mg/l]	<0.00040580[mg/l]	0.00616628[mg/l]	<-0.00153128[mg/l]	<0.00288901[mg/l]	<0.00003911[mg/l]
Conc RSD	*597.83142073*	*31.85407694*	*49.59511875*	*44.41137931*	*24.50818923*	*120.38622227*	*859.51393612*
Conc SD	*0.00694435[mg/l]*	*0.00017603[mg/l]*	*0.00020126[mg/l]*	*0.00273853[mg/l]*	*0.00037529[mg/l]*	*0.00347797[mg/l]*	*0.00033619[mg/l]*

	Ti 334.941	Tl 190.864	V 292.464	Y 224.3_A	Y 371.0_A	Y_R 371.030	Zn 206.200
Int Mean	62402.50000000	2728.10000000	11779.30000000	1383350	25994400	251904	4568.75000000
Int RSD	*4.60117784*	*1.34138778*	*2.30169025*	*0.75736437*	*0.67082141*	*0.78379462*	*0.56668016*
Int SD	*2871.25000000*	*36.59440000*	*271.12300000*	*10477.00000000*	*174376*	*1974.41000000*	*25.89020000*
RelInt Mean	0.00044106	0.00001507	0.00005672	---	---	---	0.00051702
RelInt RSD	*24.94983733*	*145.62483826*	*21.95575632*	---	---	---	*4.22893549*
RelInt SD	*0.00011005*	*0.00002195*	*0.00001245*	---	---	---	*0.00002186*
Conc Mean	0.00371916[mg/l]	0.00363686[mg/l]	<0.00205189[mg/l]	1375670	25926400	250278	<0.00029293[mg/l]
Conc RSD	*25.01583691*	*37.75867094*	*103.25797192*	---	---	---	*27.39416450*
Conc SD	*0.00093038[mg/l]*	*0.00137323[mg/l]*	*0.00211874[mg/l]*	*10474.40000000*	*174739*	*1974.51000000*	*0.00008025[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	100.87400000	6502.33000000	6847.67000000	3459.46000000	5843.88000000	4754.98000000	
Int RSD	*56.34682872*	*1.67919807*	*0.31568110*	*2.10787522*	*0.22971724*	*0.61229700*	
Int SD	*56.83930000*	*109.18700000*	*21.61680000*	*72.92110000*	*13.42440000*	*29.11460000*	
RelInt Mean	-0.00055902	0.00041763	0.00078213	0.00024066	0.00007610	0.00063727	
RelInt RSD	*28.55972437*	*95.63630791*	*1.30421219*	*21.67510855*	*34.99965177*	*4.43308692*	
RelInt SD	*0.00015965*	*0.00039940*	*0.00001020*	*0.00005216*	*0.00002663*	*0.00002825*	
Conc Mean	<-0.00023214[mg/l]	<-0.00199057[mg/l]	<-0.00668968[mg/l]	<0.00122549[mg/l]	<0.00002825[mg/l]	<-0.00770754[mg/l]	
Conc RSD	*200.25803283*	*159.85672446*	*2.30765896*	*141.73024668*	*358.98080334*	*28.45006318*	
Conc SD	*0.00046488[mg/l]*	*0.00318206[mg/l]*	*0.00015438[mg/l]*	*0.00173689[mg/l]*	*0.00010141[mg/l]*	*0.00219280[mg/l]*	

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

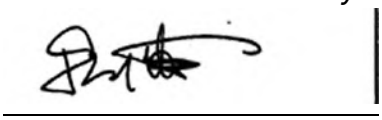
Lab Job Number: 470473
Report Level: II
Report Date: 01/12/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	470473
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/10/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1W-DG-2 TO 2.5-UP-C1.3-HS-221008-P-LA	470473-001	10/08/22 08:37	Wipe
ARCH-C1W-DG-2 TO 2.5-UP-C1.3-HS-221008-L-LA	470473-002	10/08/22 08:37	Wipe
ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221008-P-LA	470473-003	10/08/22 09:56	Wipe
ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221008-L-LA	470473-004	10/08/22 09:56	Wipe
ARCH-C1W-DG-3 TO 3.5-UP-C1.6-HS-221008-P-LA	470473-005	10/08/22 10:10	Wipe
ARCH-C1W-DG-3 TO 3.5-UP-C1.6-HS-221008-L-LA	470473-006	10/08/22 10:10	Wipe
ARCH-C1W-DG-3 TO 3.5-DN-C1.4-DG-221008-P-LA	470473-007	10/08/22 11:10	Wipe
ARCH-C1W-DG-3 TO 3.5-DN-C1.4-DG-221008-L-LA	470473-008	10/08/22 11:10	Wipe
ARCH-C1W-DG-3 TO 3.5-DN-C1.4-VS-221008-P-LA	470473-009	10/08/22 10:56	Wipe
ARCH-C1W-DG-3 TO 3.5-DN-C1.4-VS-221008-L-LA	470473-010	10/08/22 10:56	Wipe
ARCH-C2W-INT-1.5 TO 2.5-221008-P-WF	470473-011	10/08/22 09:26	Wipe
ARCH-C2W-INT-1.5 TO 2.5-221008-L-WF	470473-012	10/08/22 09:26	Wipe
ARCH-C2W-INT-1.5 TO 2.5-221008-L-DUP-WF	470473-013	10/08/22 09:26	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	470473
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/10/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C2W-PS-3-221008-P-G	470473-014	10/08/22 09:40	Wipe
ARCH-C2W-PS-3-221008-L-G	470473-015	10/08/22 09:40	Wipe
ARCH-C2W-DG-3 TO 3.5-221008-P-FB	470473-016	10/08/22 10:27	Wipe
ARCH-C2W-DG-3 TO 3.5-221008-L-FB	470473-017	10/08/22 10:27	Wipe
ARCH-C2W-DG-3 TO 3.5-221008-L-DUP-FB	470473-018	10/08/22 10:27	Wipe
ARCH-C2W-PS-3.5-221008-P-FB	470473-019	10/08/22 11:25	Wipe
ARCH-C2W-PS-3.5-221008-L-FB	470473-020	10/08/22 11:25	Wipe
ARCH-C2W-DG-2.5 TO 3-DN-C2.3-VS-221008-P-LA	470473-021	10/08/22 09:15	Wipe
ARCH-C2W-DG-2.5 TO 3-DN-C2.3-VS-221008-L-LA	470473-022	10/08/22 09:15	Wipe
ARCH-C2W-DG-3 TO 3.5-UP-C2.1-HS-221008-P-LA	470473-023	10/08/22 10:41	Wipe
ARCH-C2W-DG-3 TO 3.5-UP-C2.1-HS-221008-L-LA	470473-024	10/08/22 10:41	Wipe
ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-P-LA	470473-025	10/08/22 11:45	Wipe
ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-P-DUP-LA	470473-026	10/08/22 11:45	Wipe
ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-L-LA	470473-027	10/08/22 11:45	Wipe
221008-P-MEDBLANK2	470473-028	10/08/22 07:37	Wipe
221008-L-MEDBLANK2	470473-029	10/08/22 07:37	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 470473 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/10/22

This data package contains sample and QC results for twenty nine wipe samples, requested for the above referenced project on 10/11/22. The samples were received cold and intact. Reissued 1/12/23 to revise the preparation method reference.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

470473

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	T. Sinnoff + D. Welsh

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	ARCH-C1W-DG-2 TO 2.5-UP-C1.3-HS-221008-P- LA	10/8/2022	0837	WP	1		X			**Confirmation Wipe Samples - Level II Report/Stage 2A Validation**
2	ARCH-C1W-DG-2 TO 2.5-UP-C1.3-HS-221008-L- LA	10/8/2022	0837	WP	1			X		2x Rivet Type2 = 0.0200 ft2
3	ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221008-P- LA	10/8/2022	0956	WP	1		X			Report PCB concentrations on a µg/100cm² basis
4	ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221008-L- LA	10/8/2022	0956	WP	1			X		2x Rivet Type2 = 0.0200ft2
5	ARCH-C1W-DG-3 TO 3.5-UP-C1.6-HS-221008-P- LA	10/8/2022	1010	WP	1		X			Report lead concentrations on a µg/ft² basis
6	ARCH-C1W-DG-3 TO 3.5-UP-C1.6-HS-221008-L- LA	10/8/2022	1010	WP	1			X		2x Rivet Type2 = 0.0200ft2
7	ARCH-C1W-DG-3 TO 3.5-DN-C1.4-DG-221008-P- LA	10/8/2022	1110	WP	1		X			Report Aroclor 1268 concentrations in addition to the standard Aroclors
8	ARCH-C1W-DG-3 TO 3.5-DN-C1.4-DG-221008-L- LA	10/8/2022	1110	WP	1			X		
9	ARCH-C1W-DG-3.5 TO 4-UP-C1.4-VS-221008-P- LA	10/8/2022	1056	WP	1		X			
10	ARCH-C1W-DG-3.5 TO 4-UP-C1.4-VS-221008-L- LA	10/8/2022	1056	WP	1			X		2x Rivet Type2 = 0.0200 ft2
11	ARCH-C2W-INT-1.5 TO 2.5-221008-P- WF	10/8/2022	0926	WP	1		X			Wipe samples collected from Zone 2 Enclosure B/C
12	ARCH-C2W-INT-1.5 TO 2.5-221008-L- WF	10/8/2022	0926	WP	1			X		
13	ARCH-C2W-INT-1.5 TO 2.5-221008-L-DUP- WF	10/8/2022	0926	WP	1			X		
14	ARCH-C2W-PS-3-221008-P- G	10/8/2022	0940	WP	1		X			
15	ARCH-C2W-PS-3-221008-L- G	10/8/2022	0940	WP	1			X		Tx Rivet Type 1 = 0.0966 ft2

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TF Sinnoff	Tyler Sinnoff	Rincon / Envi. Scientist	10/10/22 / 1210
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/10/22 12:10
2 Relinquished By:	Audrey Hudson	"	"	10/10/22 13:48
2 Received By:		Maccemill Yip	EA	10/10/22 13:48
3 Relinquished By:		Maccemill Yip	EA	10/10/22 6:5133
3 Received By:		Elizabeth Ramos	EA	10/11/22 13:290

470473

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	T. Sinnott + D. Webb

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure B/C

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: PCBs - EPA Method 8082	Analysis Request: Lead - EPA Method 3050/6010B	HOLD
16	ARCH-C2W-DG-3 TO 3.5-221008-P- FB	10/8/2022	1027	WP	1		X		
17	ARCH-C2W-DG-3 TO 3.5-221008-L- FB	10/8/2022	1027	WP	1			X	
18	ARCH-C2W-DG-3 TO 3.5-221008-L-DUP- FB	10/8/2022	1027	WP	1			X	
19	ARCH-C2W-PS-3.5-221008-P- FB	10/8/2022	1125	WP	1		X		
20	ARCH-C2W-PS-3.5-221008-L- FB	10/8/2022	1125	WP	1			X	
21	ARCH-C2W-DG-2.5 TO 3-DN-C2.3-VS-221008-P- LA	10/8/2022	0915	WP	1		X		
22	ARCH-C2W-DG-2.5 TO 3-DN-C2.3-VS-221008-L- LA	10/8/2022	0915	WP	1			X	
23	ARCH-C2W-DG-3 TO 3.5-UP-C2.1-HS-221008-P- LA	10/8/2022	1041	WP	1		X		
24	ARCH-C2W-DG-3 TO 3.5-UP-C2.1-HS-221008-L- LA	10/8/2022	1041	WP	1			X	
25	ARCH-C2W-DG-~~3~~ 3.5 DN TO ~~3~~ 3.5 UP-C2.4-VS-221008 -P- LA	10/8/2022	1145	WP	1		X		
26	ARCH-C2W-DG-~~3~~ 3.5 DN TO ~~3~~ 3.5 UP-C2.4-VS-221008-P-DUP- LA	10/8/2022	1145	WP	1		X		
27	ARCH-C2W-DG-~~3~~ 3.5 DN TO ~~3~~ 3.5 UP-C2.4-VS-221008-L- LA	10/8/2022	1145	WP	1			X	
28	~~ARCH-C2E-PS-3.5-221008-P-~~	~~10/8/2022~~		WP	1		X		
29	~~ARCH-C2E-PS-3.5-221008-L-~~	~~10/8/2022~~		WP	1			X	
30	221008-P-MEDBLANK2	10/8/2022	0737	WP	1		X		

2x Rivet Type 2 = 0.0200 ft²

4x Rivet Type 2 = 0.0400 ft²

TS

TS

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TKinnott	Tyler Sinnott	Rincon / Envi. Scientist	10/10/22 1210
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/10/22 12:10
[2] Relinquished By:	Audrey Hudson	" "	" "	10/10/22 13:48
[2] Received By:		Maureen Yi	BA	10/10/22 1348
[3] Relinquished By:		Maureen Yi	BA	10/10/22 15:35
[3] Received By:		Elizabeth Ramos	BA	10/11/22 13:29

470473

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 3 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	T. Simnott + D. Welsh

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
31	221008-L-MEDBLANK2	10/8/2022	0737	WP	1			X	
32									
33									
34									
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm^2 basis

Report lead concentrations on a µg/ft^2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure B/C

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TSimnott	Tyler Simnott	Rincon / Envi. Scientist	10/10/22 1210
[1] Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	10/10/22 12:10
[2] Relinquished By:	Audrey Hudson	"	"	10/10/22 13:48
[2] Received By:		Maureen Hill	BA	10/10/22 13:48
[3] Relinquished By:		Maureen Hill	BA	10/10/22 15:33
Received:		Elizabeth Ramos	EA	10/11/22 13:20

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 470473 Client: Ron con

Date Received: 10/10/22 Project: _____

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 10/10/22 By (print) AM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: 7.5, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 10/10/22 **By (print)** AM **(sign)** _____

Date Labeled 10/10/22 **By (print)** AM **(sign)** _____

460473

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Berkeley Project: Hangar 1 NTCRA

Date Received: 10/11/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.2 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 4.2 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?	✔		
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: OCT 11 2022

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 557946887 **PDS**

ORANGE

S10003H

73162559

ORC CA927-EH0

Print Date: 10/10/2022 10:29 AM

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

13:28 4.2/1.2
#2

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-DG-2 TO 2.5-UP-C1.3-HS-221008-P-LA **Batch#:** 298737 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470473-001 **Received:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/12/22

Diln Fac: 1.000 **Analyzed:** 10/18/22

470473-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470473-001 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	59	50-150

Field ID: ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221008-P-LA **Batch#:** 298737 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470473-003 **Received:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/12/22

Diln Fac: 1.000 **Analyzed:** 10/18/22

470473-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470473-003 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	57	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-DG-3 TO 3.5-UP-C1.6-HS-221008-P-LA **Batch#:** 298737 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470473-005 **Received:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/12/22

Dil n Fac: 1.000 **Analyzed:** 10/18/22

470473-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470473-005 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	65	50-150

Field ID: ARCH-C1W-DG-3 TO 3.5-DN-C1.4-DG-221008-P-LA **Batch#:** 298737 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470473-007 **Received:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/12/22

Dil n Fac: 1.000 **Analyzed:** 10/18/22

470473-007 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470473-007 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	62	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-DG-3 TO 3.5-DN-C1.4-VS-221008-P-LA **Batch#:** 298737 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470473-009 **Received:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/12/22

Dil n Fac: 1.000 **Analyzed:** 10/18/22

470473-009 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470473-009 Surrogate	%REC	Limits
TCMX (PCB)	66	52-186
Decachlorobiphenyl (PCB)	59	50-150

Field ID: ARCH-C2W-INT-1.5 TO 2.5-221008-P-WF **Batch#:** 298737 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470473-011 **Received:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/12/22

Dil n Fac: 1.000 **Analyzed:** 10/18/22

470473-011 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470473-011 Surrogate	%REC	Limits
TCMX (PCB)	66	52-186
Decachlorobiphenyl (PCB)	59	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-PS-3-221008-P-G **Batch#:** 298737 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470473-014 **Received:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/12/22

Diln Fac: 1.000 **Analyzed:** 10/18/22

470473-014 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470473-014 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	50	50-150

Field ID: ARCH-C2W-DG-3 TO 3.5-221008-P-FB **Batch#:** 298737 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470473-016 **Received:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/12/22

Diln Fac: 1.000 **Analyzed:** 10/18/22

470473-016 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470473-016 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	59	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-PS-3.5-221008-P-FB **Batch#:** 298737 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470473-019 **Received:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/12/22

Diln Fac: 1.000 **Analyzed:** 10/18/22

470473-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470473-019 Surrogate	%REC	Limits
TCMX (PCB)	61	52-186
Decachlorobiphenyl (PCB)	54	50-150

Field ID: ARCH-C2W-DG-2.5 TO 3-DN-C2.3-VS-221008-P-LA **Batch#:** 298737 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470473-021 **Received:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/12/22

Diln Fac: 1.000 **Analyzed:** 10/18/22

470473-021 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470473-021 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	57	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-DG-3 TO 3.5-UP-C2.1-HS-221008-P-LA **Batch#:** 298737 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470473-023 **Received:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/12/22

Diln Fac: 1.000 **Analyzed:** 10/18/22

470473-023 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470473-023 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	57	50-150

Field ID: ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-P-LA **Batch#:** 298737 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470473-025 **Received:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/12/22

Diln Fac: 1.000 **Analyzed:** 10/18/22

470473-025 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470473-025 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	55	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-P-DUP-LA **Batch#:** 298737 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470473-026 **Received:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/12/22

DiIn Fac: 1.000 **Analyzed:** 10/18/22

470473-026 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470473-026 Surrogate	%REC	Limits
TCMX (PCB)	60	52-186
Decachlorobiphenyl (PCB)	59	50-150

Field ID: 221008-P-MEDBLANK2 **Batch#:** 298737 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 8082

Lab ID: 470473-028 **Received:** 10/10/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/12/22

DiIn Fac: 1.000 **Analyzed:** 10/18/22

470473-028 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

470473-028 Surrogate	%REC	Limits
TCMX (PCB)	58	52-186
Decachlorobiphenyl (PCB)	51	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 298737 **Analysis:** EPA 8082

Lab ID: QC1018347 **Prepared:** 10/12/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/18/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1018347 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.25	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.25	ug/100 cm2
Aroclor-1248	ND	0.25	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.25	ug/100 cm2

QC1018347 Surrogate	%REC	Limits
TCMX (PCB)	77	52-186
Decachlorobiphenyl (PCB)	74	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298737 **Analysis:** EPA 8082

Lab ID: QC1018348 **Prepared:** 10/12/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/18/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1018348 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.327	87	60-140	ug/100 cm2
Aroclor-1260	5.000	4.472	89	60-140	ug/100 cm2

QC1018348 Surrogate	%REC	Limits
TCMX (PCB)	80	52-186
Decachlorobiphenyl (PCB)	79	60-140

Type: BSD **Batch#:** 298737 **Analysis:** EPA 8082

Lab ID: QC1018349 **Prepared:** 10/12/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/18/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1018349 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.489	90	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	4.691	94	60-140	ug/100 cm2	5	20

QC1018349 Surrogate	%REC	Limits
TCMX (PCB)	82	52-186
Decachlorobiphenyl (PCB)	85	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-DG-2 TO 2.5-UP-C1.3-HS-221008-L-LA **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-002 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Dln Fac: 1.000 **Analyzed:** 10/12/22

470473-002 Analyte	Result	RL	Units
Lead	**92**	0.53	ug/ft2

Field ID: ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221008-L-LA **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-004 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Dln Fac: 1.000 **Analyzed:** 10/12/22

470473-004 Analyte	Result	RL	Units
Lead	**150**	0.53	ug/ft2

Field ID: ARCH-C1W-DG-3 TO 3.5-UP-C1.6-HS-221008-L-LA **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-006 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Dln Fac: 1.000 **Analyzed:** 10/12/22

470473-006 Analyte	Result	RL	Units
Lead	**310**	0.53	ug/ft2

Field ID: ARCH-C1W-DG-3 TO 3.5-DN-C1.4-DG-221008-L-LA **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-008 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Dln Fac: 1.000 **Analyzed:** 10/12/22

470473-008 Analyte	Result	RL	Units
Lead	**110**	0.54	ug/ft2

Field ID: ARCH-C1W-DG-3 TO 3.5-DN-C1.4-VS-221008-L-LA **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-010 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Dln Fac: 1.000 **Analyzed:** 10/12/22

470473-010 Analyte	Result	RL	Units
Lead	**320**	0.53	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-INT-1.5 TO 2.5-221008-L-WF **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-012 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470473-012 Analyte	Result	RL	Units
Lead	**230**	0.54	ug/ft2

Field ID: ARCH-C2W-INT-1.5 TO 2.5-221008-L-DUP-WF **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-013 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470473-013 Analyte	Result	RL	Units
Lead	**450**	0.54	ug/ft2

Field ID: ARCH-C2W-PS-3-221008-L-G **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-015 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470473-015 Analyte	Result	RL	Units
Lead	**250**	0.50	ug/ft2

Field ID: ARCH-C2W-DG-3 TO 3.5-221008-L-FB **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-017 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470473-017 Analyte	Result	RL	Units
Lead	**290**	0.54	ug/ft2

Field ID: ARCH-C2W-DG-3 TO 3.5-221008-L-DUP-FB **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-018 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470473-018 Analyte	Result	RL	Units
Lead	**380**	0.54	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-PS-3.5-221008-L-FB **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-020 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470473-020 Analyte	Result	RL	Units
Lead	**180**	0.54	ug/ft2

Field ID: ARCH-C2W-DG-2.5 TO 3-DN-C2.3-VS-221008-L-LA **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-022 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470473-022 Analyte	Result	RL	Units
Lead	**170**	0.54	ug/ft2

Field ID: ARCH-C2W-DG-3 TO 3.5-UP-C2.1-HS-221008-L-LA **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-024 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470473-024 Analyte	Result	RL	Units
Lead	**180**	0.53	ug/ft2

Field ID: ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-L-LA **Batch#:** 298738 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-027 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470473-027 Analyte	Result	RL	Units
Lead	**260**	0.52	ug/ft2

Field ID: 221008-L-MEDBLANK2 **Batch#:** 298739 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/08/22 **Analysis:** EPA 6010B
Lab ID: 470473-029 **Received:** 10/10/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/12/22
Diln Fac: 1.000 **Analyzed:** 10/12/22

470473-029 Analyte	Result	RL	Units
Lead	**0.60**	0.54	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type:	BLANK	**Batch#:**	298738	**Analysis:**	EPA 6010B
Lab ID:	QC1018350	**Prepared:**	10/12/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	10/12/22		
DiIn Fac:	1.000	**Prep:**	EPA 3050B		

QC1018350 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type:	BLANK	**Batch#:**	298739	**Analysis:**	EPA 6010B
Lab ID:	QC1018353	**Prepared:**	10/12/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	10/12/22		
DiIn Fac:	1.000	**Prep:**	EPA 3050B		

QC1018353 Analyte	Result	RL	Units
Lead	ND	0.54	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 470473 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298738 **Analysis:** EPA 6010B
Lab ID: QC1018351 **Prepared:** 10/12/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/12/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1018351 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	110.2	110	80-120	ug/ft2

Type: BS **Batch#:** 298739 **Analysis:** EPA 6010B
Lab ID: QC1018354 **Prepared:** 10/12/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/12/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1018354 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	107.8	108	80-120	ug/ft2

Type: BSD **Batch#:** 298738 **Analysis:** EPA 6010B
Lab ID: QC1018352 **Prepared:** 10/12/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/12/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1018352 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	111.2	111	80-120	ug/ft2	1	20

Type: BSD **Batch#:** 298739 **Analysis:** EPA 6010B
Lab ID: QC1018355 **Prepared:** 10/12/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/12/22
Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1018355 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	108.5	109	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

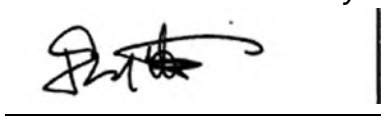
Lab Job Number: 470903
Report Level: II
Report Date: 10/25/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	470903
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/17/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C2E-DG-3 TO 3.5-221014-P-FB	470903-001	10/14/22 10:22	Wipe
ARCH-C2E-DG-3 TO 3.5-221014-P-DUP-FB	470903-002	10/14/22 10:22	Wipe
ARCH-C2E-DG-3 TO 3.5-221014-L-FB	470903-003	10/14/22 10:22	Wipe
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-P-LA	470903-004	10/14/22 10:45	Wipe
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-L-LA	470903-005	10/14/22 10:45	Wipe
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-L-DUP-LA	470903-006	10/14/22 10:45	Wipe
ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221014-P-LA	470903-007	10/14/22 10:35	Wipe
ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221014-L-LA	470903-008	10/14/22 10:35	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 470903 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/17/22

This data package contains sample and QC results for four wipe samples, requested for the above referenced project on 10/17/22. The samples were received cold and intact.

Metals (EPA 6010B):
No analytical problems were encountered.

470903

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	ARCH-C2E-DG-3 TO 3.5-221014-P-FB	10/14/2022	1022	WP	1		X		X	HOLD
2	ARCH-C2E-DG-3 TO 3.5-221014-P-DUP-FB	10/14/2022	1022	WP	1		X		X	HOLD
3	ARCH-C2E-DG-3 TO 3.5-221014-L-FB	10/14/2022	1022	WP	1			X		
4	ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-P-LA	10/14/2022	1045	WP	1		X		X	HOLD
5	ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-L-LA	10/14/2022	1045	WP	1			X		3x Rivet Type 2 = 0.0300ft²
6	ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-L-DUP-LA	10/14/2022	1045	WP	1			X		3x Rivet Type 2 = 0.0300ft²
7	ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221014-P-LA	10/14/2022	1035	WP	1		X		X	HOLD
8	ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221014-L-LA	10/14/2022	1035	WP	1			X		3x Type 2 Rivet = 0.0300ft²
9										
10										
11										
12										
13										
14										
15										

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure B/C, Re-abatement

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon / Env Scientist E.A.	10/14/22 @ 1145
1 Received By:		Geena Sylvestri		10/19/22 @ 09:45
2 Relinquished By:				
2 Received By:				
3 Relinquished By:				
3 Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon

Project: Hangar 1 - NCTRA WP

Date Received: ~~10/15/22~~ 10/14/22 G.S.

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 10.9 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 10.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?	✓		
If custody seals are present, were they intact?	✓		
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✓
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Custody seal on cooler intact.

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: [signature] Date: 10/17/22

ORIGIN ID:NUQA (619) 977-6886
KERRY CAMPBELL

1935 W EL CAMINO REAL

MOUNTAIN VIEW, CA 94040
UNITED STATES US

SHIP DATE: 14OCT22
ACTWGT: 30.00 LB
CAD: 254485286/INET4530
DIMS: 23x13x14 IN

BILL SENDER

TO **SAMPLE RECEIVING**
ENTHALPY ANALYTICAL
931 W BARKLEY AVE

ORANGE CA 92868
(510) 204-2233
INV:
PO: 20-10491

REF: MOFFETT
DEPT

581J1/ACSF/FE2D

FedEx Express

J223022081201uv

MON - 17 OCT 10:30A
PRIORITY OVERNIGHT

TRK# 0201 **7702 0860 0042**

WZ APVA

92868
CA-US **SNA**

After printing this label:

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3. Place label in shipping pouch and affix it to your shipment so that the barcode portion of the label can be read and scanned.

Warning: Use only the printed original label for shipping purposes is fraudulent and could result in additional billing charges, along with the cancellation of your FedEx account number.
Use of this system constitutes your agreement to the service conditions in the current FedEx Service Guide, available on fedex.com. FedEx will not be responsible for any claim in excess of $100 per package, whether the result of loss, damage, delay, non-delivery, misdelivery, or misinformation, unless you declare a higher value, pay an additional charge, document your actual loss and file a timely claim. Limitations found in the current FedEx Service Guide apply. Your right to recover from FedEx for any loss, including intrinsic value of the package, loss of sales, income interest, profit, attorney's fees, costs, and other forms of damage whether direct, incidental, consequential, or special is limited to the greater of $100 or the authorized declared value. Recovery cannot exceed actual documented loss. Maximum for items of extraordinary value is $1,000, e.g. jewelry, precious metals, negotiable instruments and other items listed in our ServiceGuide. Written claims must be filed within strict time limits, see current FedEx Service Guide.

from temp blank
10.9
17.7/10.0

Custody seal!!!

ENTHALPY ANALYTICAL

Lead

Lab #: 470903 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2E-DG-3 TO 3.5-221014-L-FB **Batch#:** 299077 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/14/22 **Analysis:** EPA 6010B
Lab ID: 470903-003 **Received:** 10/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/17/22
Dln Fac: 1.000 **Analyzed:** 10/18/22

470903-003 Analyte	Result	RL	Units
Lead	**9.6**	0.54	ug/ft2

Field ID: ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-L-LA **Batch#:** 299077 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/14/22 **Analysis:** EPA 6010B
Lab ID: 470903-005 **Received:** 10/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/17/22
Dln Fac: 1.000 **Analyzed:** 10/18/22

470903-005 Analyte	Result	RL	Units
Lead	**11**	0.53	ug/ft2

Field ID: ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-L-DUP-LA **Batch#:** 299077 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/14/22 **Analysis:** EPA 6010B
Lab ID: 470903-006 **Received:** 10/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/17/22
Dln Fac: 1.000 **Analyzed:** 10/18/22

470903-006 Analyte	Result	RL	Units
Lead	**14**	0.53	ug/ft2

Field ID: ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221014-L-LA **Batch#:** 299077 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/14/22 **Analysis:** EPA 6010B
Lab ID: 470903-008 **Received:** 10/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/17/22
Dln Fac: 1.000 **Analyzed:** 10/18/22

470903-008 Analyte	Result	RL	Units
Lead	**24**	0.53	ug/ft2

Type: BLANK **Batch#:** 299077 **Analysis:** EPA 6010B
Lab ID: QC1019432 **Prepared:** 10/17/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/18/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1019432 Analyte	Result	RL	Units	Qual
Lead	ND	0.50	ug/ft2	b

Legend
ND: Not Detected
RL: Reporting Limit
b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 470903 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 299077 **Analysis:** EPA 6010B

Lab ID: QC1019433 **Prepared:** 10/17/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/18/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1019433 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	103.4	103	80-120	ug/ft2

Type: BSD **Batch#:** 299077 **Analysis:** EPA 6010B

Lab ID: QC1019434 **Prepared:** 10/17/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/18/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1019434 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	100.6	101	80-120	ug/ft2	3	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

Lab Job Number:	471955
Report Level:	IV
Report Date:	01/12/2023

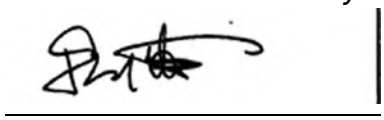
PCBs

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	471955
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	11/01/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-P-LA	471955-001	11/01/22 07:32	Wipe
ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-P-DUP-LA	471955-002	11/01/22 07:32	Wipe
ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-P-LA	471955-004	11/01/22 07:51	Wipe
ARCH-C2W-PS-4.5-221101-P-G	471955-006	11/01/22 08:05	Wipe
ARCH-C2W-INT-4.5 TO 5.5-221101-P-WF	471955-008	11/01/22 08:20	Wipe
ARCH-C2W-DG-5 TO 5.5-221101-P-FB	471955-011	11/01/22 08:35	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 471955 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 11/01/22

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 11/02/22. See attached cooler receipt form for any sample receipt problems or discrepancies. Reissued 1/12/23 to revise the preparation method reference.

PCBs (EPA 8082):

No analytical problems were encountered.

Chain of Custody

471955

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	DW&MK

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B								HOLD
1	ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-P- LA	11/1/2022	0732	WP	1		X									
2	ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-P-DUP- LA	11/1/2022	0732	WP	1		X									
3	ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-L- LA	11/1/2022	0732	WP	1			X								
4	ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-P- LA	11/1/2022	0751	WP	1		X									
5	ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-L- LA	11/1/2022	0751	WP	1			X								
6	ARCH-C2W-PS-4.5-221101-P- G7	11/1/2022	0805	WP	1		X									
7	ARCH-C2W-PS-4.5-221101-L- G7	11/1/2022	0805	WP	1			X								
8	ARCH-C2W-INT-4.5 TO 5.5-221101-P- WF	11/1/2022	0820	WP	1		X									
9	ARCH-C2W-INT-4.5 TO 5.5-221101-L- WF	11/1/2022	0820	WP	1			X								
10	ARCH-C2W-INT-4.5 TO 5.5-221101-L-DUP- WF	11/1/2022	0820	WP	1			X								
11	ARCH-C2W-DG-5 TO 5.5-221101-P- FB	11/1/2022	0835	WP	1		X									
12	ARCH-C2W-DG-5 TO 5.5-221101-L- FB	11/1/2022	0835	WP	1			X								
13																
14																
15																

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure D (low occupancy)

2x Rivet Type 2 = 18.546 cm²

2x Rivet Type 2 = 0.0200 ft²

3x Rivet Type 2 = 0.0300 ft²

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon Consultants	11/1/22 13:11
1 Received By:		Jak Peterson	EA	11.1.22 13:11
2 Relinquished By:		Jak Peterson	EA	11.1.22 15:07
2 Received By:		Jak Peterson	EA	11.1.22 15:07
3 Relinquished By:		Jak Peterson	EA	11.1.22 15:53
3 Received By:		Zain Padilla	EA/GL	11/2/22 1041am

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 471955 Client: Rincon

Date Received: 11.1.22 Project: 20-10491

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 11.1.22 By (print) Jak Peterson (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☑ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☑ B ☐ C

Cooler Temp (°C): #1: 0.3, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 11.1.22 **By (print)** JP for MY **(sign)** _____

Date Labeled 11.1.22 **By (print)** Jak Peterson **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hangar 1 - NCTRA WP

Date Received: 11/02/22

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.7 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: GLS 558101265

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 5.7 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/02/22

Results & QC Summary

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471955 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-P-LA **Batch#:** 300277 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 8082

Lab ID: 471955-001 **Received:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/04/22

Diln Fac: 1.000 **Analyzed:** 11/06/22

471955-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471955-001 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	62	50-150

Field ID: ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-P-DUP-LA **Batch#:** 300277 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 8082

Lab ID: 471955-002 **Received:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/04/22

Diln Fac: 1.000 **Analyzed:** 11/06/22

471955-002 Analyte	Result	RL	Units
Aroclor-1016	ND	0.42	ug/100 cm2
Aroclor-1221	ND	0.42	ug/100 cm2
Aroclor-1232	ND	0.42	ug/100 cm2
Aroclor-1242	ND	0.43	ug/100 cm2
Aroclor-1248	ND	0.42	ug/100 cm2
Aroclor-1254	ND	0.42	ug/100 cm2
Aroclor-1260	ND	0.42	ug/100 cm2
Aroclor-1262	ND	0.42	ug/100 cm2
Aroclor-1268	ND	0.42	ug/100 cm2

471955-002 Surrogate	%REC	Limits
TCMX (PCB)	70	52-186
Decachlorobiphenyl (PCB)	58	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471955 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-P-LA **Batch#:** 300277 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 8082

Lab ID: 471955-004 **Received:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/04/22

Diln Fac: 1.000 **Analyzed:** 11/06/22

471955-004 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471955-004 Surrogate	%REC	Limits
TCMX (PCB)	71	52-186
Decachlorobiphenyl (PCB)	61	50-150

Field ID: ARCH-C2W-PS-4.5-221101-P-G **Batch#:** 300277 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 8082

Lab ID: 471955-006 **Received:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/04/22

Diln Fac: 1.000 **Analyzed:** 11/06/22

471955-006 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471955-006 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	63	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471955 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-INT-4.5 TO 5.5-221101-P-WF **Batch#:** 300277 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 8082

Lab ID: 471955-008 **Received:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/04/22

DiIn Fac: 1.000 **Analyzed:** 11/06/22

471955-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471955-008 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	62	50-150

Field ID: ARCH-C2W-DG-5 TO 5.5-221101-P-FB **Batch#:** 300277 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 8082

Lab ID: 471955-011 **Received:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/04/22

DiIn Fac: 1.000 **Analyzed:** 11/06/22

471955-011 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471955-011 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	51	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471955 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 300277 **Analysis:** EPA 8082

Lab ID: QC1023077 **Prepared:** 11/04/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/06/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1023077 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.25	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.26	ug/100 cm2
Aroclor-1248	ND	0.25	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.25	ug/100 cm2

QC1023077 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	80	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 471955 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 300277 **Analysis:** EPA 8082

Lab ID: QC1023078 **Prepared:** 11/04/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/06/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1023078 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.834	97	60-140	ug/100 cm2
Aroclor-1260	5.000	5.063	101	60-140	ug/100 cm2

QC1023078 Surrogate	%REC	Limits
TCMX (PCB)	98	52-186
Decachlorobiphenyl (PCB)	79	60-140

Type: BSD **Batch#:** 300277 **Analysis:** EPA 8082

Lab ID: QC1023079 **Prepared:** 11/04/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/06/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1023079 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.441	89	60-140	ug/100 cm2	8	20
Aroclor-1260	5.000	4.572	91	60-140	ug/100 cm2	10	20

QC1023079 Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	73	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 471955 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_1110522_1
Calibration #:	462445893001	Date:	05-NOV-2022 17:14
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_110522006	462445893006		05-NOV-2022 17:14	S17263
L2	gc07_110522007	462445893007		05-NOV-2022 17:32	S17264
L3	gc07_110522008	462445893008		05-NOV-2022 17:49	S17265
L4	gc07_110522009	462445893009		05-NOV-2022 18:07	S17266
L5	gc07_110522010	462445893010		05-NOV-2022 18:24	S17267
L6	gc07_110522011	462445893011		05-NOV-2022 18:41	S17268
L7	gc07_110522012	462445893012		05-NOV-2022 18:59	S17269
L8	gc07_110522013	462445893013		05-NOV-2022 19:16	S17270

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		47.1318		ug/L	0.0212	9	8	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.0251		ug/L	0.0434	18	8	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.0212		ug/L	0.0526	9	8	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.4129		ug/L	0.0379	9	8	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		32.0525		ug/L	0.0312	11	8	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		17.0138		ug/L	0.0588	12	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		11.0004		ug/L	0.0909	12	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		10.5577		ug/L	0.0947	11	8	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		18.3866		ug/L	0.0544	10	8	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0263		ug/L	0.0665	18	7	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.82031		pg/uL	1.2191	14	8	.99	20	
TCMX (PCB)	A	AVRG		1.08240		pg/uL	0.9239	4	7	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		45.9945		ug/L	0.0217	14	7	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		21.5725		ug/L	0.0464	17	8	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		17.5403		ug/L	0.0570	16	8	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.0111		ug/L	0.0400	15	8	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		30.1147		ug/L	0.0332	15	8	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		15.1476		ug/L	0.0660	16	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		12.8852		ug/L	0.0776	18	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.6420		ug/L	0.0940	14	8	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		16.6440		ug/L	0.0601	14	8	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		11.1790		ug/L	0.0895	13	7	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.82591		pg/uL	1.2108	13	8	.99	20	
TCMX (PCB)	B	AVRG		1.08042		pg/uL	0.9256	6	7	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 471955 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_1110522_1
Calibration #:	462445893001	Date:	05-NOV-2022 17:14
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF
Aroclor-1016 Peak # 1	A	0.0246	0.0220	0.0228	0.0214	0.0195	0.0210	0.0198	0.0187
Aroclor-1016 Peak # 2	A	0.0599	0.0467	0.0466	0.0428	0.0374	0.0397	0.0380	0.0364
Aroclor-1016 Peak # 3	A	0.0600	0.0555	0.0566	0.0533	0.0477	0.0495	0.0493	0.0486
Aroclor-1016 Peak # 4	A	0.0426	0.0399	0.0411	0.0389	0.0351	0.0364	0.0350	0.0338
Aroclor-1016 Peak # 5	A	0.0371	0.0326	0.0342	0.0318	0.0282	0.0299	0.0283	0.0276
Aroclor-1260 Peak # 1	A	0.0707	0.0615	0.0649	0.0603	0.0535	0.0567	0.0527	0.0499
Aroclor-1260 Peak # 2	A	0.1117	0.0961	0.0984	0.0917	0.0841	0.0867	0.0805	0.0780
Aroclor-1260 Peak # 3	A	0.1149	0.0852	0.1026	0.0980	0.0899	0.0941	0.0875	0.0855
Aroclor-1260 Peak # 4	A	0.0662	0.0551	0.0560	0.0561	0.0510	0.0533	0.0494	0.0479
Aroclor-1260 Peak # 5	A		0.0668	0.0668	0.0641	0.0927	0.0605	0.0578	0.0571
Decachlorobiphenyl (PCB)	A	1.5673	1.3208	1.2753	1.2016	1.1342	1.1432	1.0686	1.0415
TCMX (PCB)	A		0.9545	0.9567	0.9136	0.8419	0.9373	0.9268	0.9364
Aroclor-1016 Peak # 1	B		0.0268	0.0245	0.0222	0.0197	0.0207	0.0197	0.0185
Aroclor-1016 Peak # 2	B	0.0613	0.0518	0.0512	0.0466	0.0397	0.0418	0.0400	0.0385
Aroclor-1016 Peak # 3	B	0.0741	0.0629	0.0623	0.0569	0.0489	0.0513	0.0508	0.0490
Aroclor-1016 Peak # 4	B	0.0509	0.0447	0.0439	0.0398	0.0350	0.0365	0.0351	0.0339
Aroclor-1016 Peak # 5	B	0.0430	0.0363	0.0362	0.0331	0.0293	0.0306	0.0291	0.0280
Aroclor-1260 Peak # 1	B	0.0857	0.0739	0.0729	0.0665	0.0578	0.0602	0.0566	0.0545
Aroclor-1260 Peak # 2	B	0.1036	0.0888	0.0839	0.0786	0.0674	0.0705	0.0657	0.0625
Aroclor-1260 Peak # 3	B	0.1182	0.1046	0.1030	0.0942	0.0827	0.0871	0.0820	0.0799
Aroclor-1260 Peak # 4	B	0.0761	0.0608	0.0681	0.0577	0.0539	0.0571	0.0532	0.0536
Aroclor-1260 Peak # 5	B		0.1090	0.1014	0.0906	0.0841	0.0846	0.0796	0.0770
Decachlorobiphenyl (PCB)	B	1.5055	1.2923	1.3071	1.2028	1.1192	1.1476	1.0764	1.0353
TCMX (PCB)	B		0.9984	0.9717	0.8979	0.8198	0.9228	0.9231	0.9453

ENTHALPY INITIAL CALIBRATION FOR 471955 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_1110522_1
Calibration #:	462445893001	Date:	05-NOV-2022 17:14
		X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	16	50.000	4	100.00	7	250.00	1	500.00	-8	749.91	-1	1000.0	-7	1500.0	-12
Aroclor-1016 Peak # 2	A	20.000	**38**	50.000	8	100.00	7	250.00	-1	500.00	-14	749.91	-9	1000.0	-13	1500.0	-16
Aroclor-1016 Peak # 3	A	20.000	14	50.000	6	100.00	8	250.00	1	500.00	-9	749.91	-6	1000.0	-6	1500.0	-8
Aroclor-1016 Peak # 4	A	20.000	13	50.000	5	100.00	9	250.00	3	500.00	-7	749.91	-4	1000.0	-8	1500.0	-11
Aroclor-1016 Peak # 5	A	20.000	19	50.000	5	100.00	10	250.00	2	500.00	-10	749.91	-4	1000.0	-9	1500.0	-12
Aroclor-1260 Peak # 1	A	20.000	20	50.000	5	100.00	10	250.00	3	500.00	-9	749.91	-4	1000.0	-10	1500.0	-15
Aroclor-1260 Peak # 2	A	20.000	**23**	50.000	6	100.00	8	250.00	1	500.00	-7	749.91	-5	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 3	A	20.000	**21**	50.000	-10	100.00	8	250.00	3	500.00	-5	749.91	-1	1000.0	-8	1500.0	-10
Aroclor-1260 Peak # 4	A	20.000	**22**	50.000	1	100.00	3	250.00	3	500.00	-6	749.91	-2	1000.0	-9	1500.0	-12
Aroclor-1260 Peak # 5	A			50.000	0	100.00	0	250.00	-4	500.00	**39**	749.91	-9	1000.0	-13	1500.0	-14
Decachlorobiphenyl (PCB)	A	1.6000	**29**	4.0000	8	8.0000	5	20.000	-1	40.000	-7	59.993	-6	80.000	-12	120.00	-15
TCMX (PCB)	A			4.0000	3	8.0000	4	20.000	-1	40.000	-9	59.993	1	80.000	0	120.00	1
Aroclor-1016 Peak # 1	B			50.000	**23**	100.00	13	250.00	2	500.00	-9	749.91	-5	1000.0	-9	1500.0	-15
Aroclor-1016 Peak # 2	B	20.000	**32**	50.000	12	100.00	11	250.00	0	500.00	-14	749.91	-10	1000.0	-14	1500.0	-17
Aroclor-1016 Peak # 3	B	20.000	**30**	50.000	10	100.00	9	250.00	0	500.00	-14	749.91	-10	1000.0	-11	1500.0	-14
Aroclor-1016 Peak # 4	B	20.000	**27**	50.000	12	100.00	10	250.00	0	500.00	-13	749.91	-9	1000.0	-12	1500.0	-15
Aroclor-1016 Peak # 5	B	20.000	**30**	50.000	9	100.00	9	250.00	0	500.00	-12	749.91	-8	1000.0	-12	1500.0	-16
Aroclor-1260 Peak # 1	B	20.000	**30**	50.000	12	100.00	10	250.00	1	500.00	-12	749.91	-9	1000.0	-14	1500.0	-17
Aroclor-1260 Peak # 2	B	20.000	**33**	50.000	14	100.00	8	250.00	1	500.00	-13	749.91	-9	1000.0	-15	1500.0	-19
Aroclor-1260 Peak # 3	B	20.000	**26**	50.000	11	100.00	10	250.00	0	500.00	-12	749.91	-7	1000.0	-13	1500.0	-15
Aroclor-1260 Peak # 4	B	20.000	**27**	50.000	1	100.00	13	250.00	-4	500.00	-10	749.91	-5	1000.0	-11	1500.0	-11
Aroclor-1260 Peak # 5	B			50.000	**22**	100.00	13	250.00	1	500.00	-6	749.91	-5	1000.0	-11	1500.0	-14
Decachlorobiphenyl (PCB)	B	1.6000	**24**	4.0000	7	8.0000	8	20.000	-1	40.000	-8	59.993	-5	80.000	-11	120.00	-14
TCMX (PCB)	B			4.0000	8	8.0000	5	20.000	-3	40.000	-11	59.993	0	80.000	0	120.00	2

TRN 11/06/22 : Manually integrated for coeluting peak, automatic draw baseline for both channels on multiple levels

Analyst: TRN 11/06/22

Reviewer: LW 11/07/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 471955 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_1110522_1
Calnum:	462445893001	Cal Date:	05-NOV-2022

- ICV 462445893016 (gc07_110522016 05-NOV-2022) stds: S17274

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	471.4	ug/L	-6	15	
Aroclor-1260	A	500.0	497.0	ug/L	-1	15	
Aroclor-1016	B	500.0	468.0	ug/L	-6	15	
Aroclor-1260	B	500.0	472.8	ug/L	-5	15	

-

Analyst: TRN 11/06/22 **Reviewer:** LW 11/07/22

ENTHALPY CONTINUING CALIBRATION FOR 471955 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462447281004	File:	gc07_110622004	Time:	06-NOV-2022 15:16
Cal:	462445893001	Caldate:	05-NOV-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	476.7	ug/L	-5	15	0.0000	
Aroclor-1260	A			500.0	507.1	ug/L	1	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.2191	1.0610	40.00	34.82	pg/uL	-13	15	0.0000	
TCMX (PCB)	A	0.9239	0.8375	40.00	36.26	pg/uL	-9	15	0.0000	
Aroclor-1016	B			500.0	437.6	ug/L	-12	15	0.0000	
Aroclor-1260	B			500.0	445.5	ug/L	-11	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2108	1.0625	40.00	35.10	pg/uL	-12	15	0.0000	
TCMX (PCB)	B	0.9256	0.8179	40.00	35.35	pg/uL	-12	15	0.0000	

ISTD (ICAL gc07_110522007)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1889392	2140965	13.31
1-bromo-2-nitrobenzene (PCB)	A	3023368	3447381	14.02

TRN 11/07/22 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

Analyst: TRN 11/07/22 **Reviewer:** LW 11/08/22

Enthalpy Internal Standard Summary for Sequence 462447281

Date:	11/06/22	Reference:	gc07_110522007
Sequence:	SVOA-GC07 gc07_110622	Analyzed:	11/05/22 17:32

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	1889392	3023368
		LOWER LIMIT	944696	1511684
		UPPER LIMIT	3778785	6046737
004	CCV		2140965	3447381

Enthalpy Internal Standard Summary for Sequence 462447281

Date:	11/06/22	Reference:	gc07_110622004
Sequence:	SVOA-GC07 gc07_110622	Analyzed:	11/06/22 15:16

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	2140965	3447381
		LOWER LIMIT	1070482	1723690
		UPPER LIMIT	4281930	6894761
017	SAMPLE	471762-007	6732241 *	5322214
017	SAMPLE	471762-007	6732241 *	5322214
018	SAMPLE	471762-008	5601974 *	4157510
018	SAMPLE	471762-008	5601974 *	4157510
019	BLANK	QC1023077	1888343	3189946
020	BS	QC1023078	1637165	2769695
021	BSD	QC1023079	1786622	2972559
022	SAMPLE	471955-001	1577467	2631815
023	SAMPLE	471955-002	1810559	3050394
024	SAMPLE	471955-004	1882180	2861872
025	SAMPLE	471955-006	1715355	2890987
026	SAMPLE	471955-008	1874944	2872776
027	SAMPLE	471955-011	1891212	3258126
028	SAMPLE	471964-001	1696558	2879873
029	SAMPLE	471964-003	1657257	2816288
030	SAMPLE	471964-005	1838273	3042802
031	SAMPLE	471964-006	1614641	2710024
032	SAMPLE	471964-008	1575039	2493635
033	SAMPLE	471964-011	1831426	3071916
034	SAMPLE	471964-013	1729244	2856644
035	SAMPLE	471964-016	1555121	2571973

Enthalpy Internal Standard Summary for Sequence 462447281

Date: 11/06/22 Reference: gc07_110622004
Sequence: SVOA-GC07 gc07_110622 Analyzed: 11/06/22 15:16

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4.02	3.76
		LOWER LIMIT	3.82	3.56
		UPPER LIMIT	4.22	3.96
017	SAMPLE	471762-007	4.02	3.75
018	SAMPLE	471762-008	4.02	3.75
019	BLANK	QC1023077	4.02	3.76
020	BS	QC1023078	4.02	3.76
021	BSD	QC1023079	4.02	3.75
022	SAMPLE	471955-001	4.02	3.76
023	SAMPLE	471955-002	4.02	3.76
024	SAMPLE	471955-004	4.02	3.76
025	SAMPLE	471955-006	4.02	3.76
026	SAMPLE	471955-008	4.02	3.76
027	SAMPLE	471955-011	4.02	3.76
028	SAMPLE	471964-001	4.02	3.76
029	SAMPLE	471964-003	4.02	3.75
030	SAMPLE	471964-005	4.02	3.76
031	SAMPLE	471964-006	4.02	3.75
032	SAMPLE	471964-008	4.02	3.75
033	SAMPLE	471964-011	4.02	3.76
034	SAMPLE	471964-013	4.02	3.76
035	SAMPLE	471964-016	4.02	3.75

Enthalpy Sequence Summary for Sequence 462445893

Instrument: SVOA-GC07 Begun: 11/05/22 15:33

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
001	gc07_110522001	CCV				11/05/22 15:33	1.0	1
002	gc07_110522002	PEM				11/05/22 15:51	1.0	2
003	gc07_110522003	CCV				11/05/22 16:08	1.0	3
004	gc07_110522004	CCV				11/05/22 16:25	1.0	1
006	gc07_110522006	ICAL				11/05/22 17:14	1.0	4
007	gc07_110522007	ICAL				11/05/22 17:32	1.0	5
008	gc07_110522008	ICAL				11/05/22 17:49	1.0	6
009	gc07_110522009	ICAL				11/05/22 18:07	1.0	7
010	gc07_110522010	ICAL				11/05/22 18:24	1.0	8
011	gc07_110522011	ICAL				11/05/22 18:41	1.0	9
012	gc07_110522012	ICAL				11/05/22 18:59	1.0	10
013	gc07_110522013	ICAL				11/05/22 19:16	1.0	11
014	gc07_110522014	ICAL				11/05/22 19:33	1.0	11
016	gc07_110522016	ICV				11/05/22 20:08	1.0	12

TRN 11/06/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 16.

Standards Used:

1=S17386 2=S17018 3=S17385 4=S17263 5=S17264 6=S17265 7=S17266 8=S17267 9=S17268 10=S17269 11=S17270 12=S17274

Enthalpy Sequence Summary for Sequence 462447281

Instrument: SVOA-GC07 Begun: 11/06/22 14:41
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc07_110622002	PEM				11/06/22 14:41	1.0	1	
003	gc07_110622003	CCV				11/06/22 14:59	1.0	2	
004	gc07_110622004	CCV				11/06/22 15:16	1.0	3	
012	gc07_110622012	BLANK	QC1023618	Soil	300448	11/06/22 17:18	1.0	4	1:XYL246CLM=1100
013	gc07_110622013	BS	QC1023630	Soil	300448	11/06/22 17:35	1.0	4	1:XYL246CLM=1400
014	gc07_110622014	BSD	QC1023631	Soil	300448	11/06/22 17:53	1.0	4	1:XYL246CLM=1400
015	gc07_110622015	SAMPLE	472036-001	Soil	300448	11/06/22 18:10	1.0	4	1:XYL246CLM=1200
016	gc07_110622016	SAMPLE	472036-002	Soil	300448	11/06/22 18:28	1.0	4	1:XYL246CLM=1100
017	gc07_110622017	SAMPLE	471762-007	Water	300182	11/06/22 18:45	1.0	4	2:PCB1260#1=6600
018	gc07_110622018	SAMPLE	471762-008	Water	300182	11/06/22 19:02	1.0	4	4:PCB1260#1=2600
019	gc07_110622019	BLANK	QC1023077	Wipe	300277	11/06/22 19:20	1.0	4	
020	gc07_110622020	BS	QC1023078	Wipe	300277	11/06/22 19:37	1.0	4	
021	gc07_110622021	BSD	QC1023079	Wipe	300277	11/06/22 19:54	1.0	4	
022	gc07_110622022	SAMPLE	471955-001	Wipe	300277	11/06/22 20:12	1.0	4	
023	gc07_110622023	SAMPLE	471955-002	Wipe	300277	11/06/22 20:29	1.0	4	
024	gc07_110622024	SAMPLE	471955-004	Wipe	300277	11/06/22 20:47	1.0	4	
025	gc07_110622025	SAMPLE	471955-006	Wipe	300277	11/06/22 21:04	1.0	4	
026	gc07_110622026	SAMPLE	471955-008	Wipe	300277	11/06/22 21:21	1.0	4	
027	gc07_110622027	SAMPLE	471955-011	Wipe	300277	11/06/22 21:39	1.0	4	
028	gc07_110622028	SAMPLE	471964-001	Wipe	300277	11/06/22 21:56	1.0	4	
029	gc07_110622029	SAMPLE	471964-003	Wipe	300277	11/06/22 22:13	1.0	4	
030	gc07_110622030	SAMPLE	471964-005	Wipe	300277	11/06/22 22:31	1.0	4	
031	gc07_110622031	SAMPLE	471964-006	Wipe	300277	11/06/22 22:48	1.0	4	
032	gc07_110622032	SAMPLE	471964-008	Wipe	300277	11/06/22 23:05	1.0	4	
033	gc07_110622033	SAMPLE	471964-011	Wipe	300277	11/06/22 23:23	1.0	4	
034	gc07_110622034	SAMPLE	471964-013	Wipe	300277	11/06/22 23:40	1.0	4	
035	gc07_110622035	SAMPLE	471964-016	Wipe	300277	11/06/22 23:58	1.0	4	

TRN 11/07/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 35.

Standards Used:
1=S17018 2=S17385 3=S17386 4=S17010

SAMPLE PREPARATION SUMMARY

Batch # : 300277 Analysis : 8080
Started By : EPL Prep Date : 04-NOV-2022 14:47 Finished By : EPL
Method : 3572M Units : dm2
Spike #1 ID : S17534 Spike #2 ID : S17419

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
471955-001		Wipe	1	20	1	20.0		1				PCB	
471955-002		Wipe	1.18546	20	1	16.87		1				PCB	
471955-004		Wipe	1	20	1	20.0		1				PCB	
471955-006		Wipe	1	20	1	20.0		1				PCB	
471955-008		Wipe	1	20	1	20.0		1				PCB	
471955-011		Wipe	1	20	1	20.0		1				PCB	
471964-001		Wipe	1	20	1	20.0		1				PCB	
471964-003		Wipe	1	20	1	20.0		1				PCB	
471964-005		Wipe	1	20	1	20.0		1				PCB	
471964-006		Wipe	1	20	1	20.0		1				PCB	
471964-008		Wipe	1	20	1	20.0		1				PCB	
471964-011		Wipe	1	20	1	20.0		1				PCB	
471964-013		Wipe	1	20	1	20.0		1				PCB	
471964-016		Wipe	1	20	1	20.0		1				PCB	
QC1023077	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1023078	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1023079	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

TRN 11/07/22 : BS/BSD verify the batch

TRN 11/09/22 : Fix above

Analyst: TRN Date: 11/07/22 Reviewer: LW Date: 11/09/22

8081/8082/608.3 Prep Log

Date/Time: 11/3/22 14:47 Initials: EPL

Microdispenser ID: SYRINGE Therm ID/CF: ____/____ Hotblock Temp (°C): N/A

Prep Method: ~~3580~~ 3572M 1-12-23 MAG Matrix: WIPE Balance ID: N/A

608.3 QC Batch#: ____

8081 QC Batch #: ____

8082 QC Batch #: 310277

Sample ID	Cont. ID	Sample Initial Amount Circle one: mL g	pH is 5-9?	Extraction Equipment ID (Sox, Sonic., Shaker)	Turbo Vap ID	Extract, Final Volume (mL)	Date/Time (if diff from above)	Comment
Blank		1 dm²	N/A	SH3	N/A	10.0		500 µL SURROGATE
LCS		↓	↓	↓	↓	↓		↓
LCSD		↓	↓	↓	↓	↓		↓
471955-001	A	1 dm²	↓	↓	↓	20.0		
-002	A	1.18546 dm²	↓	↓	↓	↓		
-004	A	1 dm²	↓	↓	↓	↓		
-006	A	↓	↓	↓	↓	↓		
-008	A	↓	↓	↓	↓	↓		SURROGATE DISPENSED AT SLOWER RATE
-011	A	↓	↓	↓	↓	↓		SO STREAM DOES NOT CONTACT SIDES OF JA
471964-001	A	1 dm²	↓	↓	↓	↓		↓
-003	A	↓	↓	↓	↓	↓		↓
-005	A	↓	↓	↓	↓	↓		↓
-006	A	↓	↓	↓	↓	↓		↓
-008	A	↓	↓	↓	↓	↓		↓
-011	A	↓	↓	↓	↓	↓		↓
-013	A	↓	↓	↓	↓	↓		↓
-016	A	↓	↓	↓	↓	↓		↓

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: S17477

Acetone-Hexane Mix ID: N/A

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: 17534 Volume: 1000 µL

Pest LCS Spike ID: N/A Volume: N/A µL

PCB LCS Spike ID: S17419 Volume: 500 µL

Pest MS/MSD Spike ID: N/A Volume: N/A µL

PCB MS/MSD Spike ID: N/A Volume: N/A µL

REPORTING SUMMARY FOR 471955 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
471955-001	Aroclor-1016	SVOA-GC07	A	11/06/22 20:12
471955-001	Aroclor-1221	SVOA-GC07	A	11/06/22 20:12
471955-001	Aroclor-1232	SVOA-GC07	A	11/06/22 20:12
471955-001	Aroclor-1242	SVOA-GC07	A	11/06/22 20:12
471955-001	Aroclor-1248	SVOA-GC07	A	11/06/22 20:12
471955-001	Aroclor-1254	SVOA-GC07	A	11/06/22 20:12
471955-001	Aroclor-1260	SVOA-GC07	A	11/06/22 20:12
471955-001	Aroclor-1262	SVOA-GC07	A	11/06/22 20:12
471955-001	Aroclor-1268	SVOA-GC07	A	11/06/22 20:12
471955-001	TCMX (PCB)	SVOA-GC07	A	11/06/22 20:12
471955-001	Decachlorobiphenyl (PCB)	SVOA-GC07	A	11/06/22 20:12
471955-002	Aroclor-1016	SVOA-GC07	A	11/06/22 20:29
471955-002	Aroclor-1221	SVOA-GC07	A	11/06/22 20:29
471955-002	Aroclor-1232	SVOA-GC07	A	11/06/22 20:29
471955-002	Aroclor-1242	SVOA-GC07	A	11/06/22 20:29
471955-002	Aroclor-1248	SVOA-GC07	A	11/06/22 20:29
471955-002	Aroclor-1254	SVOA-GC07	A	11/06/22 20:29
471955-002	Aroclor-1260	SVOA-GC07	A	11/06/22 20:29
471955-002	Aroclor-1262	SVOA-GC07	A	11/06/22 20:29
471955-002	Aroclor-1268	SVOA-GC07	A	11/06/22 20:29
471955-002	TCMX (PCB)	SVOA-GC07	A	11/06/22 20:29
471955-002	Decachlorobiphenyl (PCB)	SVOA-GC07	A	11/06/22 20:29
471955-004	Aroclor-1016	SVOA-GC07	A	11/06/22 20:47
471955-004	Aroclor-1221	SVOA-GC07	A	11/06/22 20:47
471955-004	Aroclor-1232	SVOA-GC07	A	11/06/22 20:47
471955-004	Aroclor-1242	SVOA-GC07	A	11/06/22 20:47
471955-004	Aroclor-1248	SVOA-GC07	A	11/06/22 20:47
471955-004	Aroclor-1254	SVOA-GC07	A	11/06/22 20:47
471955-004	Aroclor-1260	SVOA-GC07	A	11/06/22 20:47
471955-004	Aroclor-1262	SVOA-GC07	A	11/06/22 20:47
471955-004	Aroclor-1268	SVOA-GC07	A	11/06/22 20:47
471955-004	TCMX (PCB)	SVOA-GC07	A	11/06/22 20:47
471955-004	Decachlorobiphenyl (PCB)	SVOA-GC07	A	11/06/22 20:47
471955-006	Aroclor-1016	SVOA-GC07	A	11/06/22 21:04
471955-006	Aroclor-1221	SVOA-GC07	A	11/06/22 21:04
471955-006	Aroclor-1232	SVOA-GC07	A	11/06/22 21:04
471955-006	Aroclor-1242	SVOA-GC07	A	11/06/22 21:04
471955-006	Aroclor-1248	SVOA-GC07	A	11/06/22 21:04
471955-006	Aroclor-1254	SVOA-GC07	A	11/06/22 21:04
471955-006	Aroclor-1260	SVOA-GC07	A	11/06/22 21:04
471955-006	Aroclor-1262	SVOA-GC07	A	11/06/22 21:04
471955-006	Aroclor-1268	SVOA-GC07	A	11/06/22 21:04
471955-006	TCMX (PCB)	SVOA-GC07	A	11/06/22 21:04
471955-006	Decachlorobiphenyl (PCB)	SVOA-GC07	A	11/06/22 21:04
471955-008	Aroclor-1016	SVOA-GC07	A	11/06/22 21:21
471955-008	Aroclor-1221	SVOA-GC07	A	11/06/22 21:21
471955-008	Aroclor-1232	SVOA-GC07	A	11/06/22 21:21
471955-008	Aroclor-1242	SVOA-GC07	A	11/06/22 21:21
471955-008	Aroclor-1248	SVOA-GC07	A	11/06/22 21:21
471955-008	Aroclor-1254	SVOA-GC07	A	11/06/22 21:21

REPORTING SUMMARY FOR 471955 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
471955-008	Aroclor-1260	SVOA-GC07	A	11/06/22 21:21
471955-008	Aroclor-1262	SVOA-GC07	A	11/06/22 21:21
471955-008	Aroclor-1268	SVOA-GC07	A	11/06/22 21:21
471955-008	TCMX (PCB)	SVOA-GC07	A	11/06/22 21:21
471955-008	Decachlorobiphenyl (PCB)	SVOA-GC07	A	11/06/22 21:21
471955-011	Aroclor-1016	SVOA-GC07	A	11/06/22 21:39
471955-011	Aroclor-1221	SVOA-GC07	A	11/06/22 21:39
471955-011	Aroclor-1232	SVOA-GC07	A	11/06/22 21:39
471955-011	Aroclor-1242	SVOA-GC07	A	11/06/22 21:39
471955-011	Aroclor-1248	SVOA-GC07	A	11/06/22 21:39
471955-011	Aroclor-1254	SVOA-GC07	A	11/06/22 21:39
471955-011	Aroclor-1260	SVOA-GC07	A	11/06/22 21:39
471955-011	Aroclor-1262	SVOA-GC07	A	11/06/22 21:39
471955-011	Aroclor-1268	SVOA-GC07	A	11/06/22 21:39
471955-011	TCMX (PCB)	SVOA-GC07	A	11/06/22 21:39
471955-011	Decachlorobiphenyl (PCB)	SVOA-GC07	A	11/06/22 21:39
QC1023077	Aroclor-1016	SVOA-GC07	A	11/06/22 19:20
QC1023077	Aroclor-1221	SVOA-GC07	A	11/06/22 19:20
QC1023077	Aroclor-1232	SVOA-GC07	A	11/06/22 19:20
QC1023077	Aroclor-1242	SVOA-GC07	A	11/06/22 19:20
QC1023077	Aroclor-1248	SVOA-GC07	A	11/06/22 19:20
QC1023077	Aroclor-1254	SVOA-GC07	A	11/06/22 19:20
QC1023077	Aroclor-1260	SVOA-GC07	A	11/06/22 19:20
QC1023077	Aroclor-1262	SVOA-GC07	A	11/06/22 19:20
QC1023077	Aroclor-1268	SVOA-GC07	A	11/06/22 19:20
QC1023077	TCMX (PCB)	SVOA-GC07	A	11/06/22 19:20
QC1023077	Decachlorobiphenyl (PCB)	SVOA-GC07	A	11/06/22 19:20
QC1023078	Aroclor-1016	SVOA-GC07	A	11/06/22 19:37
QC1023078	Aroclor-1260	SVOA-GC07	A	11/06/22 19:37
QC1023078	TCMX (PCB)	SVOA-GC07	A	11/06/22 19:37
QC1023078	Decachlorobiphenyl (PCB)	SVOA-GC07	A	11/06/22 19:37
QC1023079	Aroclor-1016	SVOA-GC07	A	11/06/22 19:54
QC1023079	Aroclor-1260	SVOA-GC07	A	11/06/22 19:54
QC1023079	TCMX (PCB)	SVOA-GC07	A	11/06/22 19:54
QC1023079	Decachlorobiphenyl (PCB)	SVOA-GC07	A	11/06/22 19:54

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	471955-001	Client ID:	ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-P-LA
Seqnum:	462447281022.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_110622022	Batch:	300277	Time:	06-NOV-2022 20:12
Cal:	462445893001	Caldate:	05-NOV-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	24.98	ug/L	ND	0.74	38%	0.50		u
Aroclor-1016 Peak # 1	A	88.29	ug/L	1.77	1.13	44%			
Aroclor-1016 Peak # 2	A	6.618	ug/L	0.13	0.07	67%			
Aroclor-1016 Peak # 3	A	27.20	ug/L	0.54	2.44	127%			
Aroclor-1016 Peak # 4	A	1.571	ug/L	0.03	0.01	137%			
Aroclor-1016 Peak # 5	A	1.209	ug/L	0.02	0.03	36%			
Aroclor-1221	A			ND			0.50		u
Aroclor-1232	A			ND			0.50		u
Aroclor-1242	A			ND			**0.51**		**y** u
Aroclor-1248	A			ND			0.50		u
Aroclor-1254	A			ND			0.50		u
Aroclor-1260	A	25.51	ug/L	~~0.51~~ ~~FP~~	0.27	61%	0.50		x u
Aroclor-1260 Peak # 1	A	49.49	ug/L	0.99	0.01	198%			
Aroclor-1260 Peak # 2	A	0.6003	ug/L	0.01	0.02	46%			
Aroclor-1260 Peak # 3	A	4.213	ug/L	0.08	0.10	20%			
Aroclor-1260 Peak # 4	A	67.83	ug/L	1.36	0.07	181%			
Aroclor-1260 Peak # 5	A	5.424	ug/L	0.11	1.16	166%			
Aroclor-1262	A			ND			0.50		u
Aroclor-1268	A			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	34.86	pg/uL	1.000	0.6972	70	52-186	u
Decachlorobiphenyl (PCB)	A	30.95	pg/uL	1.000	0.6190	62	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_110622004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2140965	1577467	-26.32
1-bromo-2-nitrobenzene (PCB)	A	3447381	2631815	-23.66

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

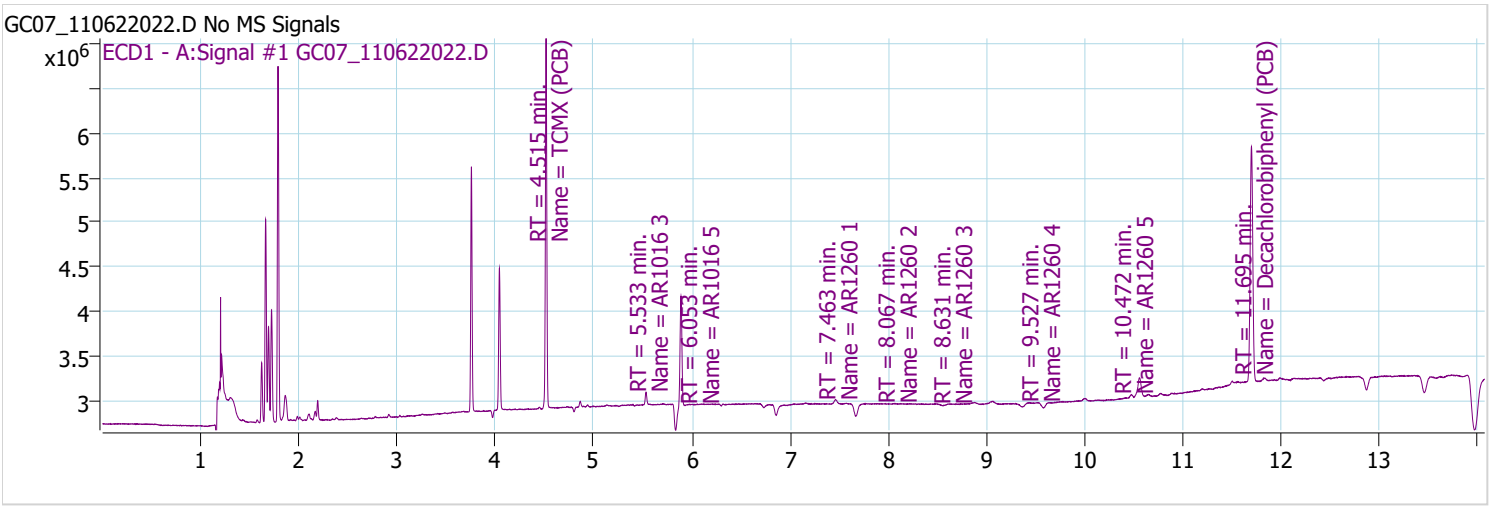
ISTD (CCV gc07_110622004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.02	4.02	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.76	3.76	0.00

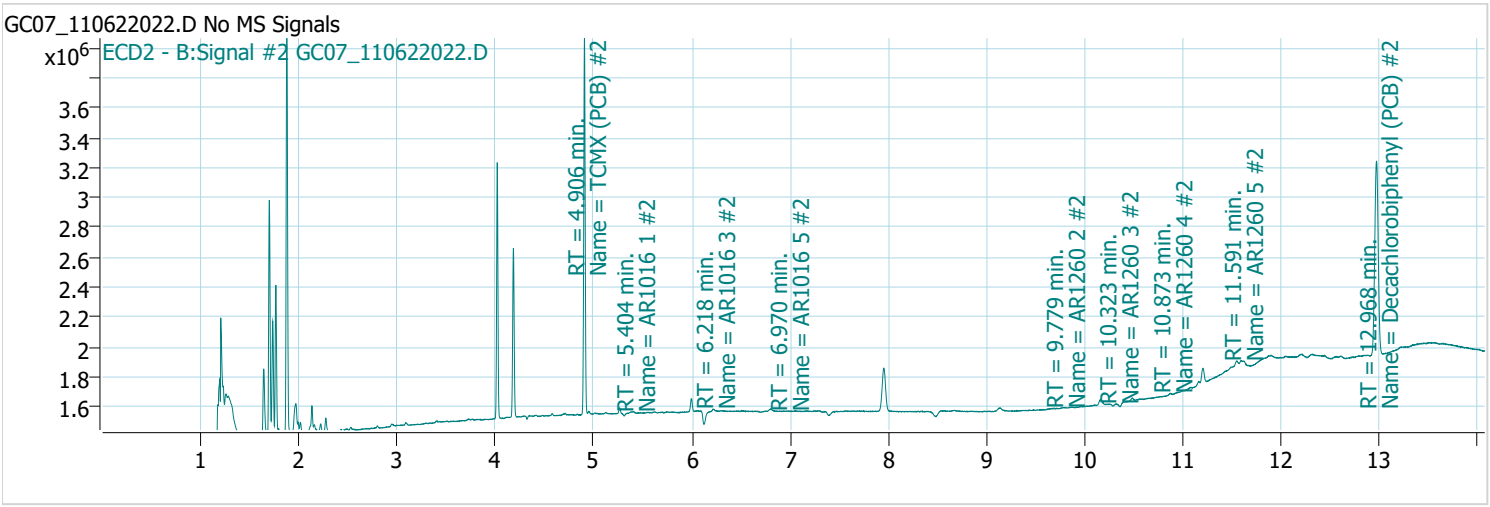
u=use x=false positive y=RL raised

Analyst: TRN 11/07/22 **Reviewer:** LW 11/09/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_110622022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/6/2022 8:12:18 PM
Sample Name	471955-001, 300277, 1	Instrument	SVOA-GC07
Vial	9	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	WIPE/1DM^2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	110622PCB.batch.bin	Last Calib Update	11/6/2022 4:04:27 PM
Ref Library			



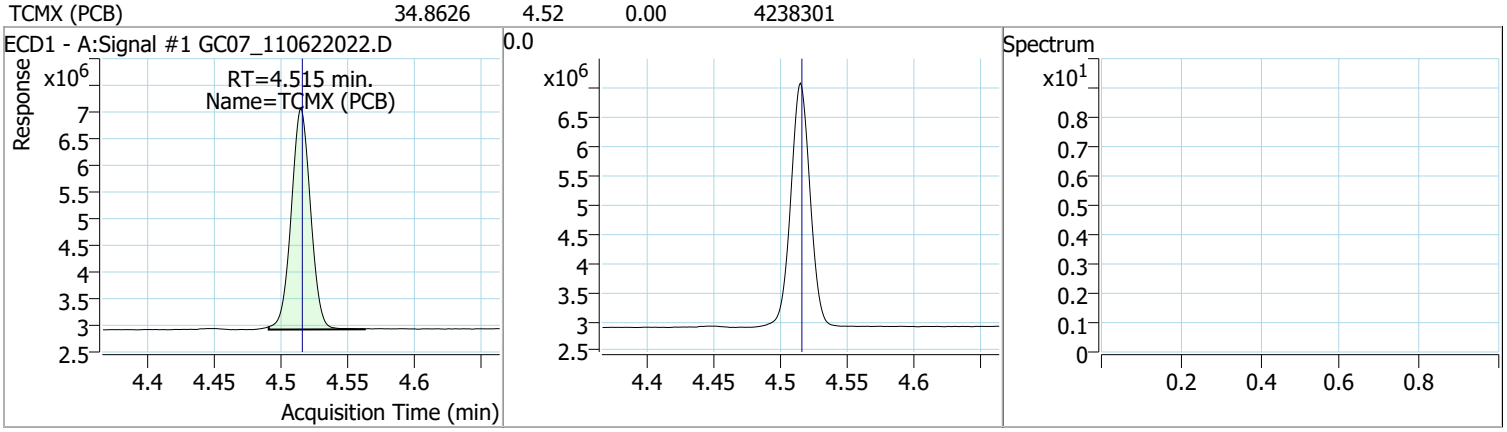


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.755	0.0	2631815.138	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.018	0.0	1577467.335	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.515	0.0	4238301.379	34.8626	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 174.31%		*	
S TCMX (PCB) #2	4.906	0.0	2632859.026	36.0660	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.33%		*	
S Decachlorobiphenyl (PCB)	11.695	0.0	4965237.541	30.9526	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.76%		*	
S Decachlorobiphenyl (PCB) #2	12.968	0.0	3190734.685	33.4117	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.06%		*	
Target Compounds							QValue

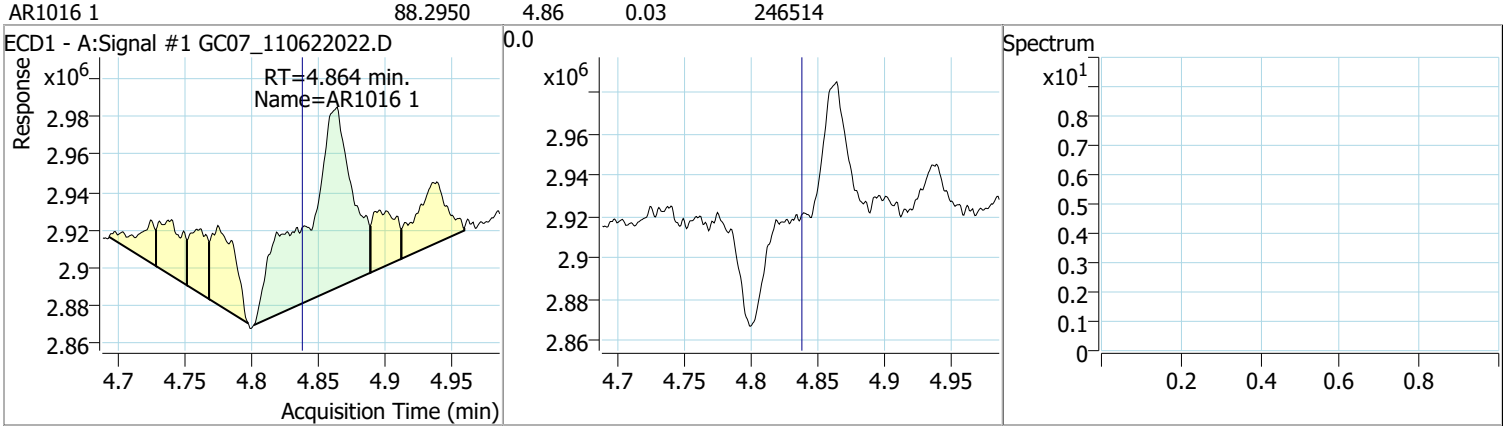
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.864	0.0	246513.503	88.2950	ng/ml	100
T AR1016 2	5.133	0.0	37822.344	6.6180	ng/ml	100
T AR1016 1 #2	5.404	0.0	96609.712	56.3383	ng/ml	100
T AR1016 3	5.533	0.0	188198.749	27.2041	ng/ml	100
T AR1016 4	5.678	0.0	7825.448	1.5707	ng/ml	100
T AR1016 2 #2	5.743	0.0	12044.111	3.2942	ng/ml	100
T AR1016 5	6.053	0.0	4962.488	1.2088	ng/ml	100
T AR1016 3 #2	6.218	0.0	549520.830	122.2071	ng/ml	100
T AR1016 4 #2	6.382	0.0	920.817	0.2920	ng/ml	100
T AR1016 5 #2	6.970	0.0	4541.958	1.7342	ng/ml	100
T AR1260 1	7.463	0.0	382776.558	49.4911	ng/ml	100
T AR1260 2	8.067	0.0	7181.074	0.6003	ng/ml	100
T AR1260 3	8.631	0.0	52509.620	4.2130	ng/ml	100
T AR1260 1 #2	9.393	0.0	1517.861	0.2915	ng/ml	100
T AR1260 4	9.527	0.0	485431.226	67.8284	ng/ml	100
T AR1260 2 #2	9.779	0.0	5868.451	0.9587	ng/ml	100
T AR1260 3 #2	10.323	0.0	37996.881	5.1268	ng/ml	100
T AR1260 5	10.472	0.0	47504.011	5.4246	ng/ml	100
T AR1260 4 #2	10.873	0.0	15657.300	3.3041	ng/ml	100
T AR1260 5 #2	11.591	0.0	409688.085	58.0676	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

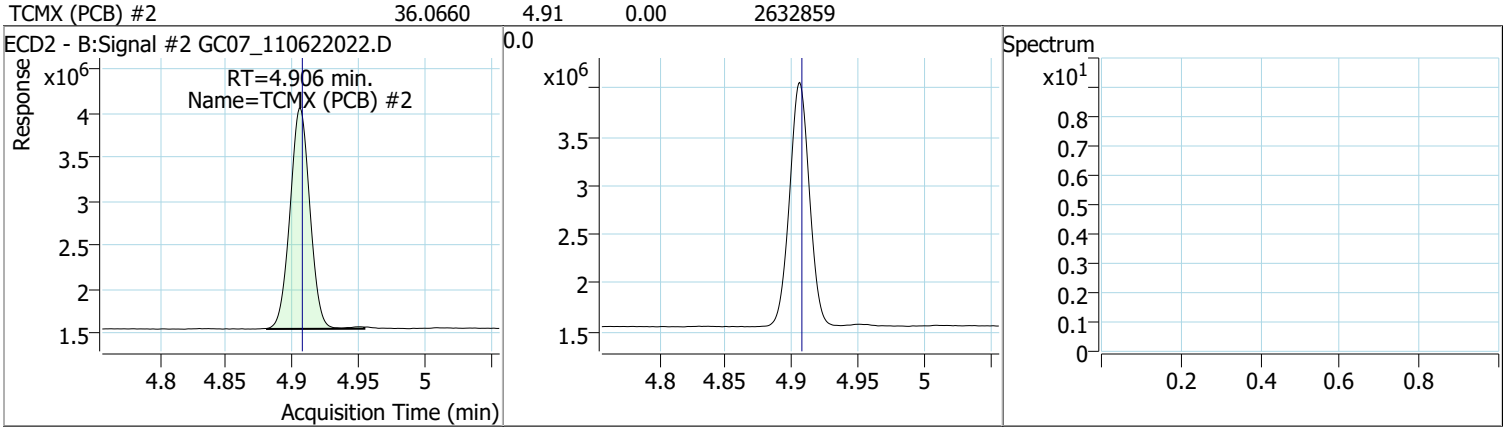
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.8626	4.52	0.00	4238301				



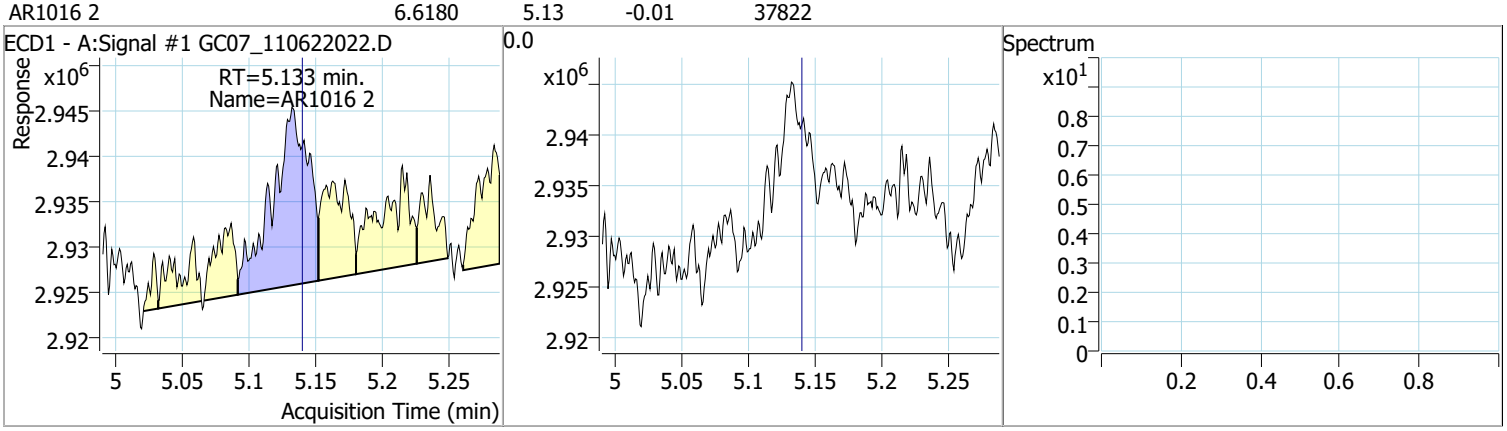
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	88.2950	4.86	0.03	246514				



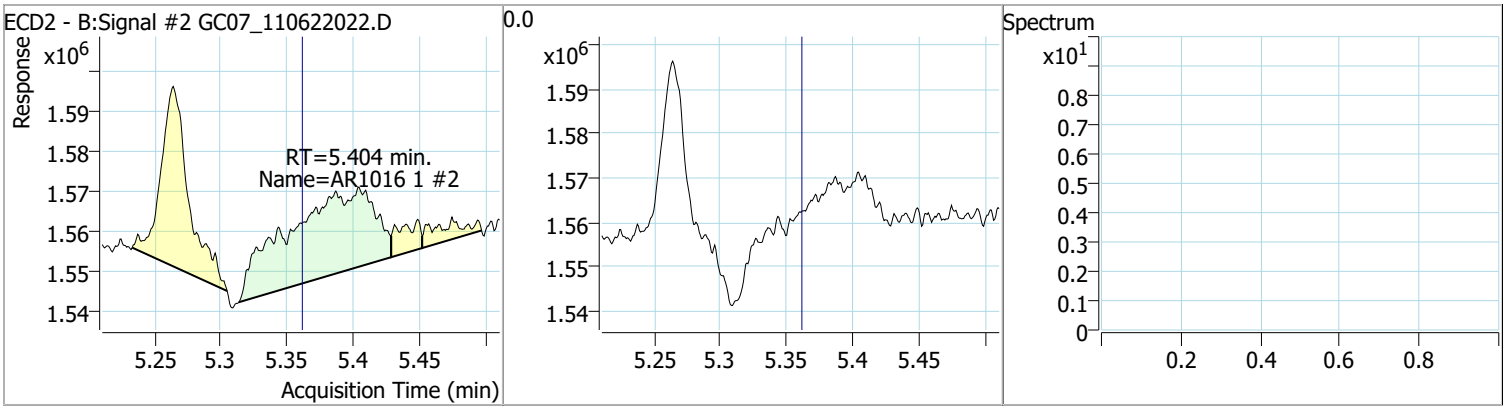
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.0660	4.91	0.00	2632859				



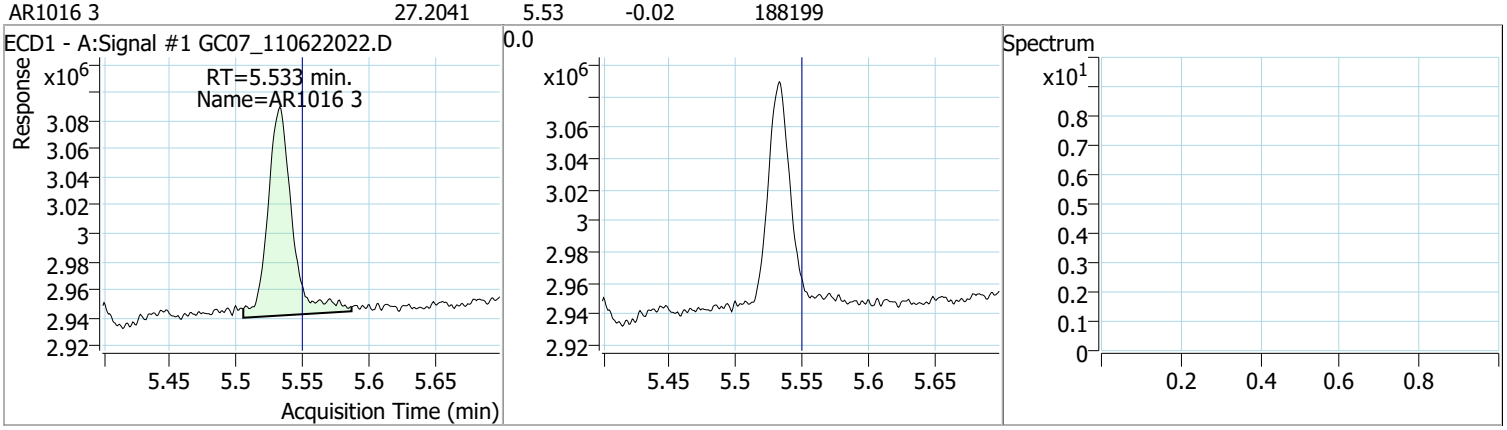
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	6.6180	5.13	-0.01	37822				



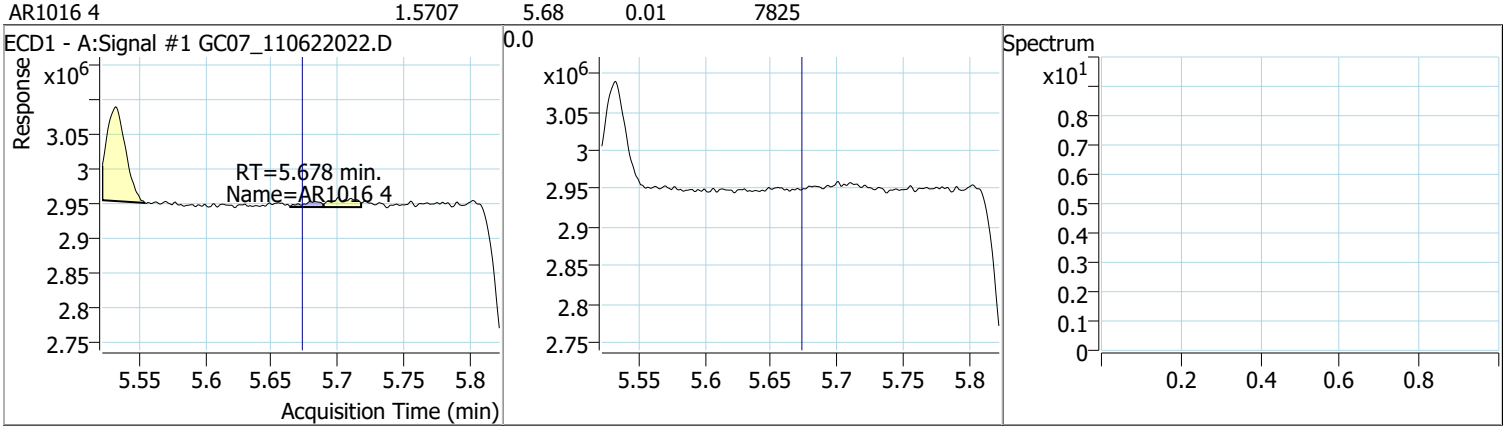
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	56.3383	5.40	0.04	96610				



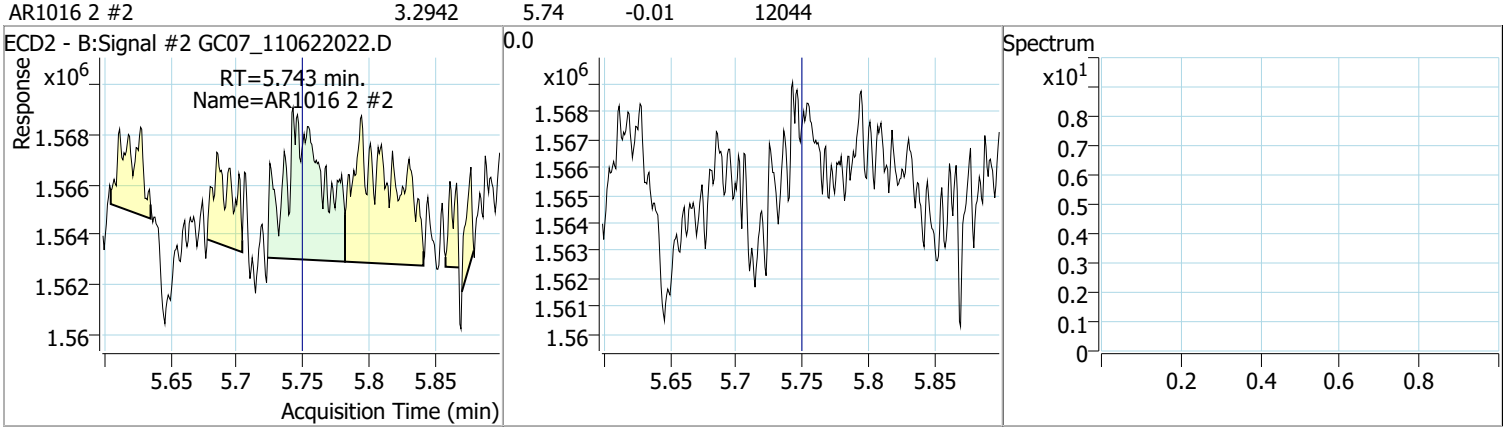
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	27.2041	5.53	-0.02	188199				



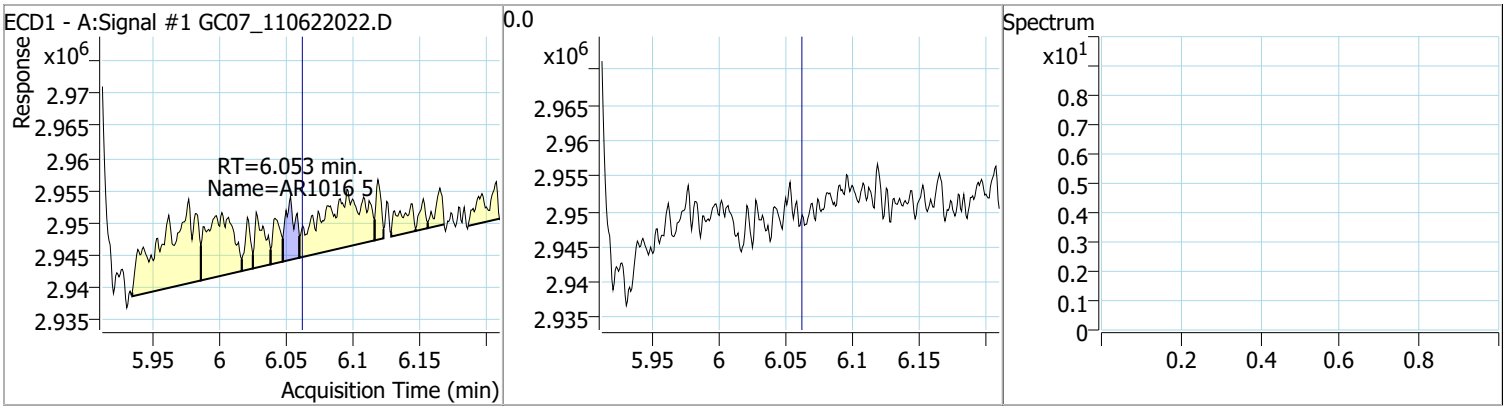
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.5707	5.68	0.01	7825				



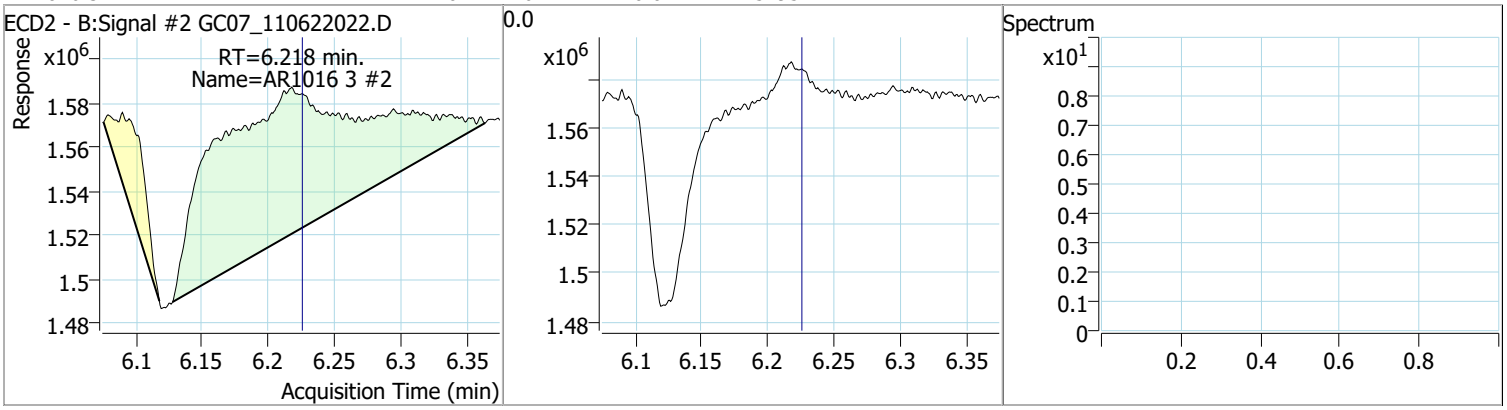
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	3.2942	5.74	-0.01	12044				



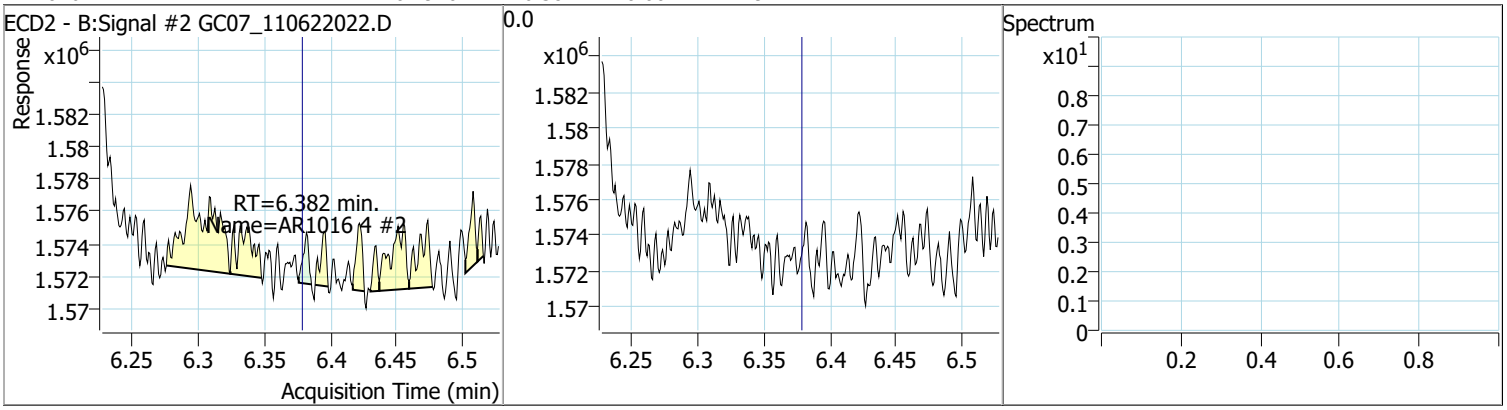
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1.2088	6.05	-0.01	4962				



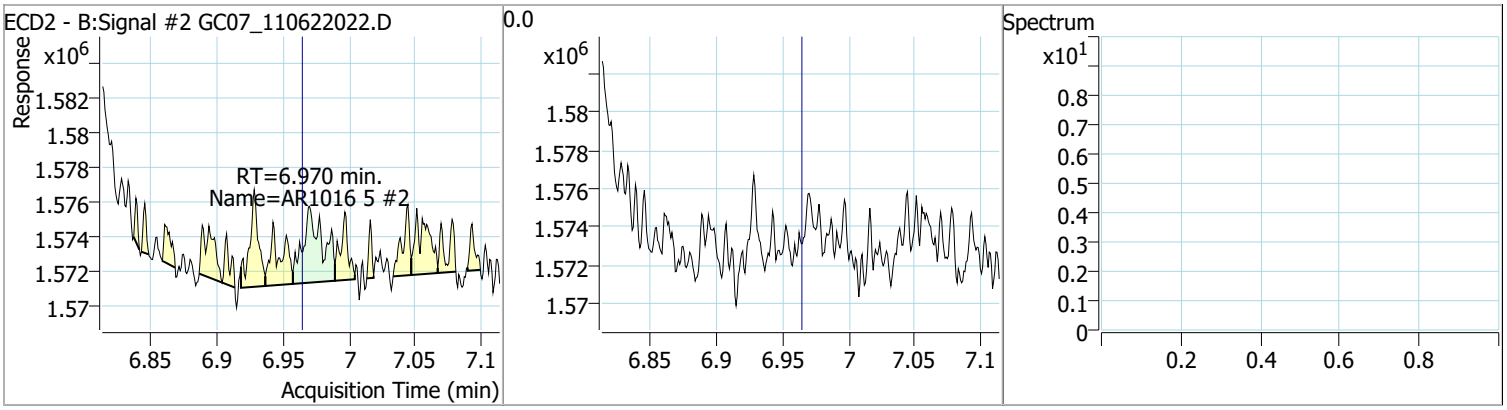
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	122.2071	6.22	-0.01	549521				



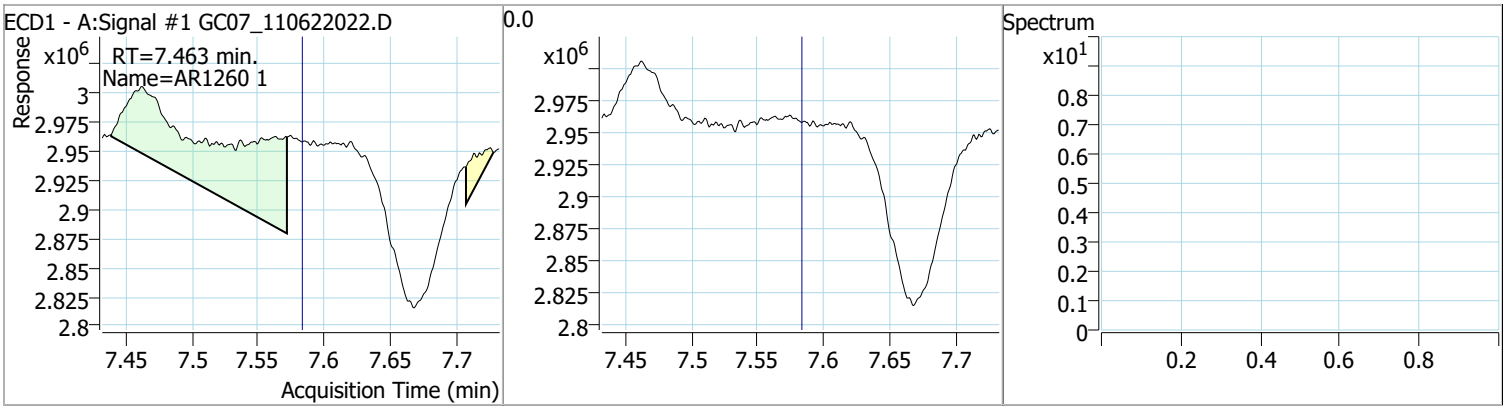
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.2920	6.38	0.00	921				



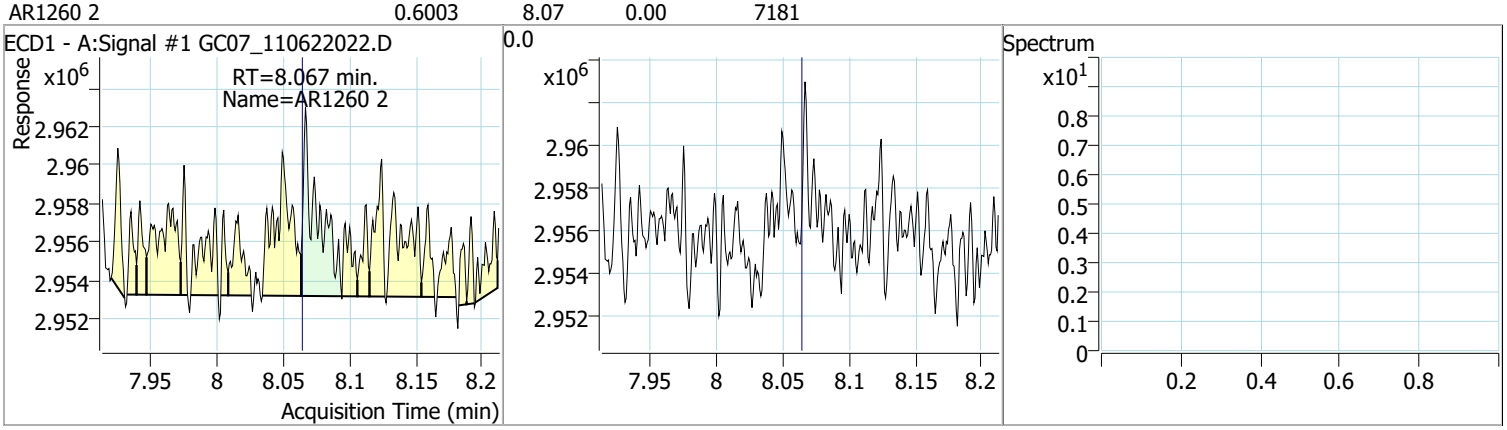
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.7342	6.97	0.01	4542				



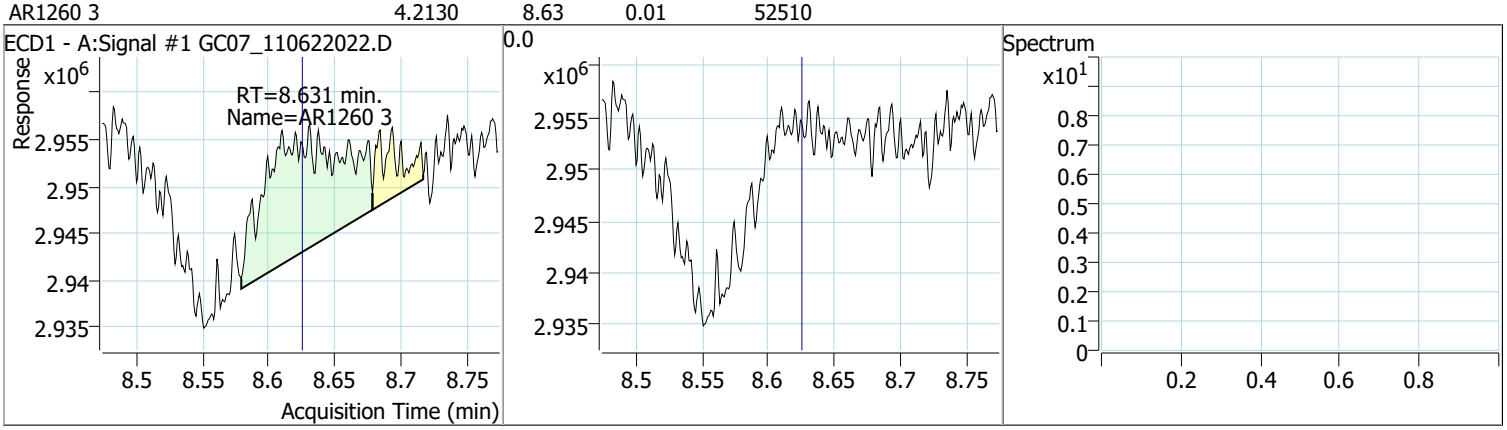
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	49.4911	7.46	-0.12	382777				



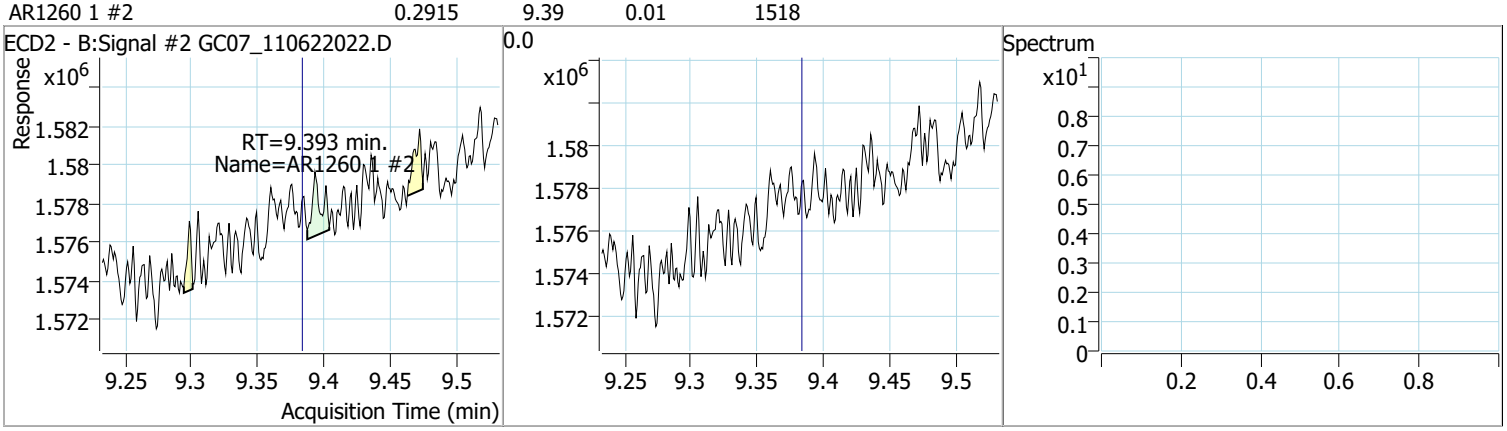
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.6003	8.07	0.00	7181				



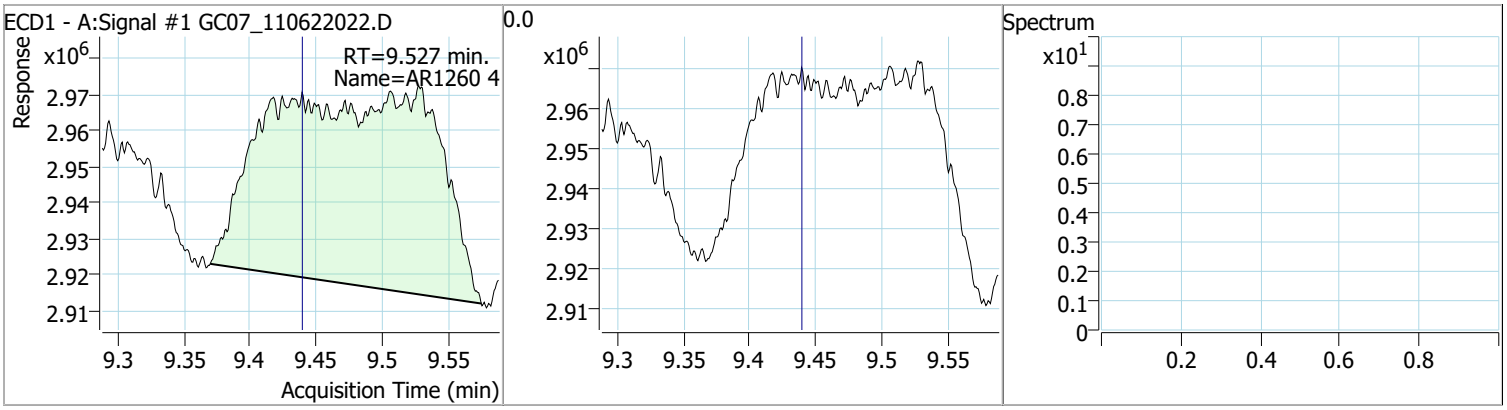
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.2130	8.63	0.01	52510				



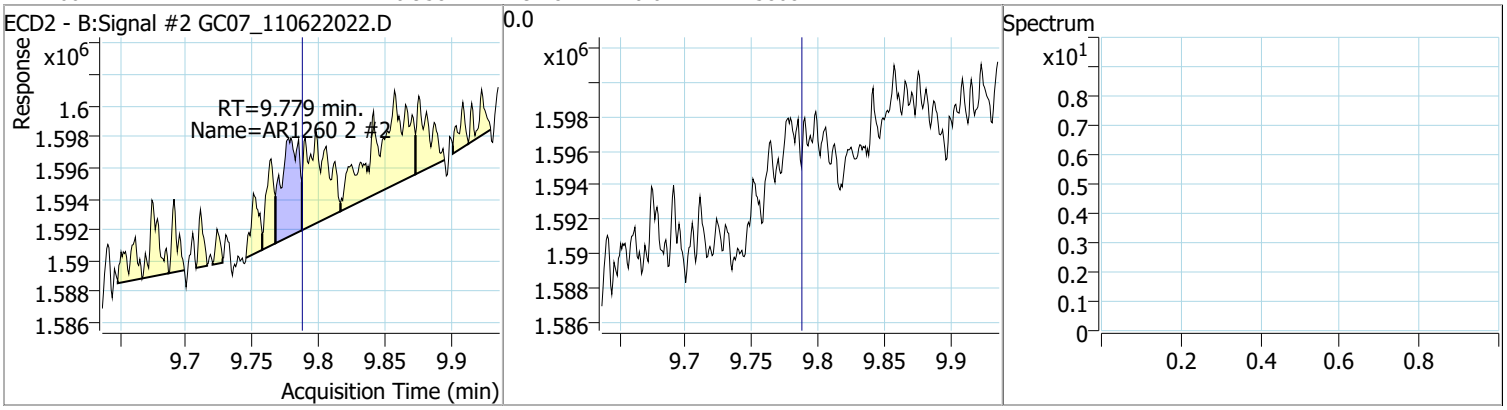
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.2915	9.39	0.01	1518				



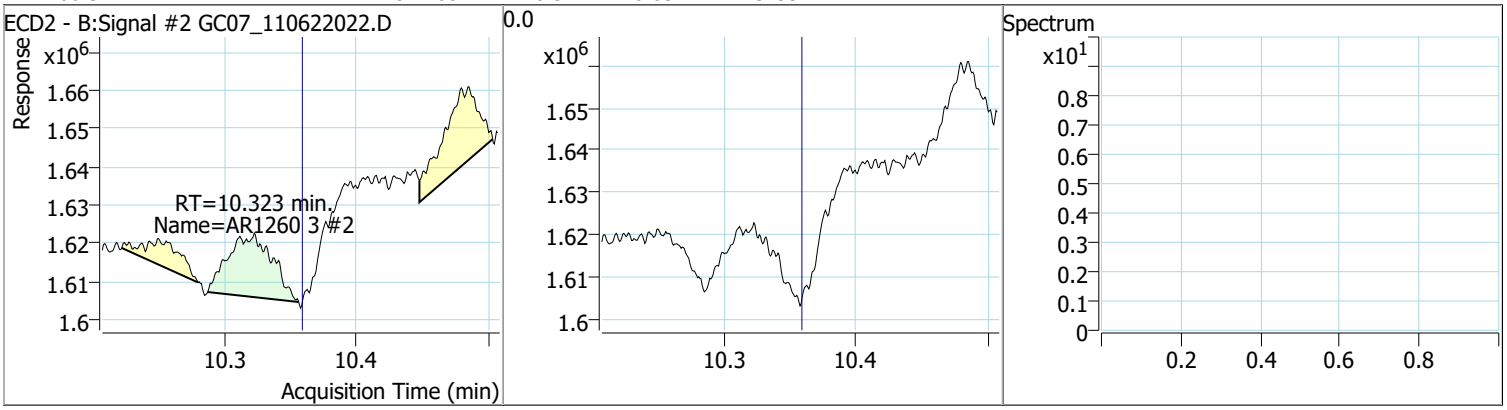
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	67.8284	9.53	0.09	485431				



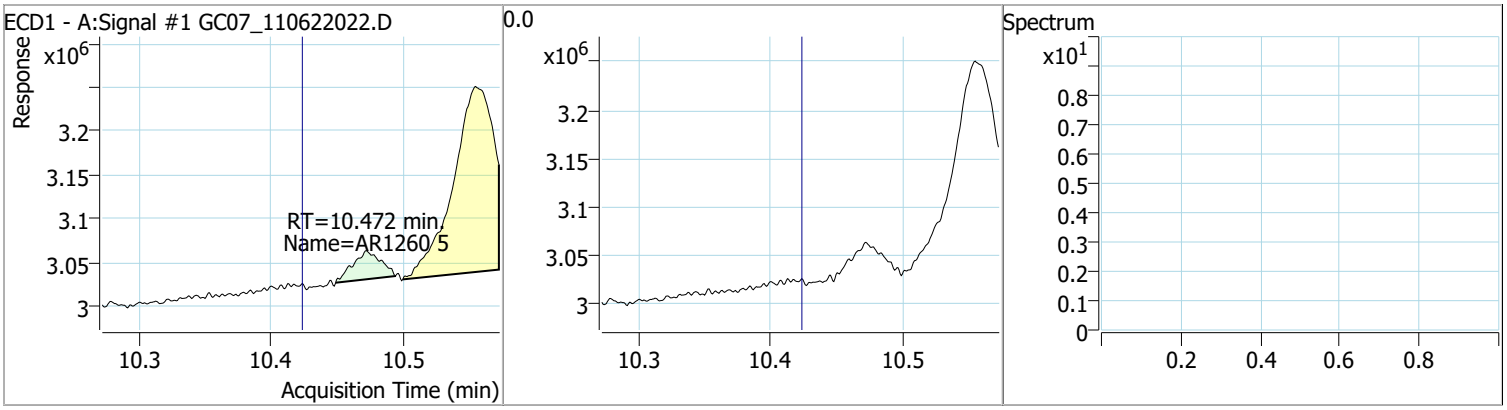
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.9587	9.78	-0.01	5868				



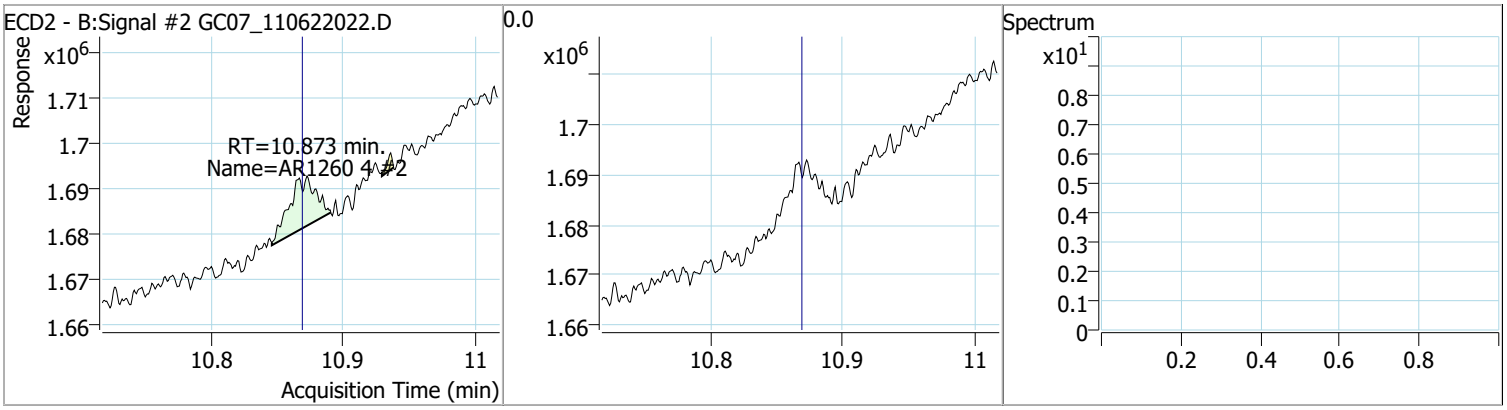
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	5.1268	10.32	-0.03	37997				



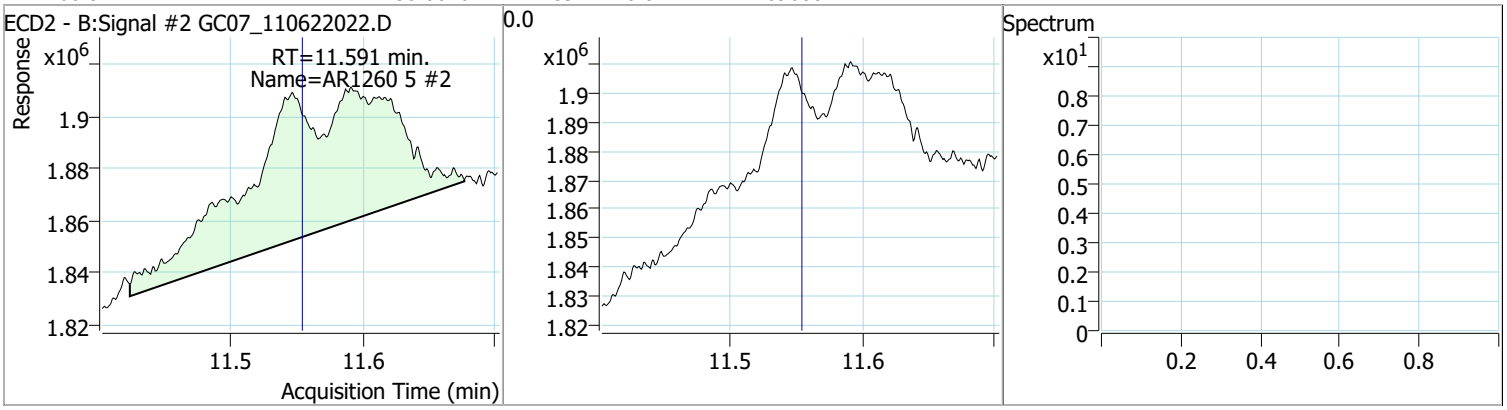
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	5.4246	10.47	0.05	47504				



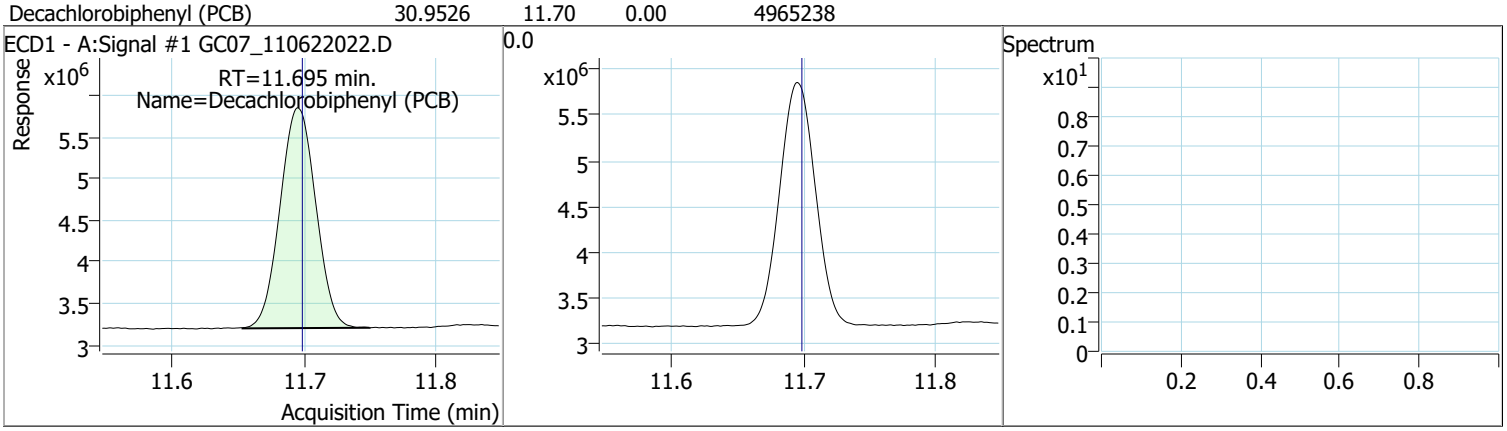
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	3.3041	10.87	0.01	15657				



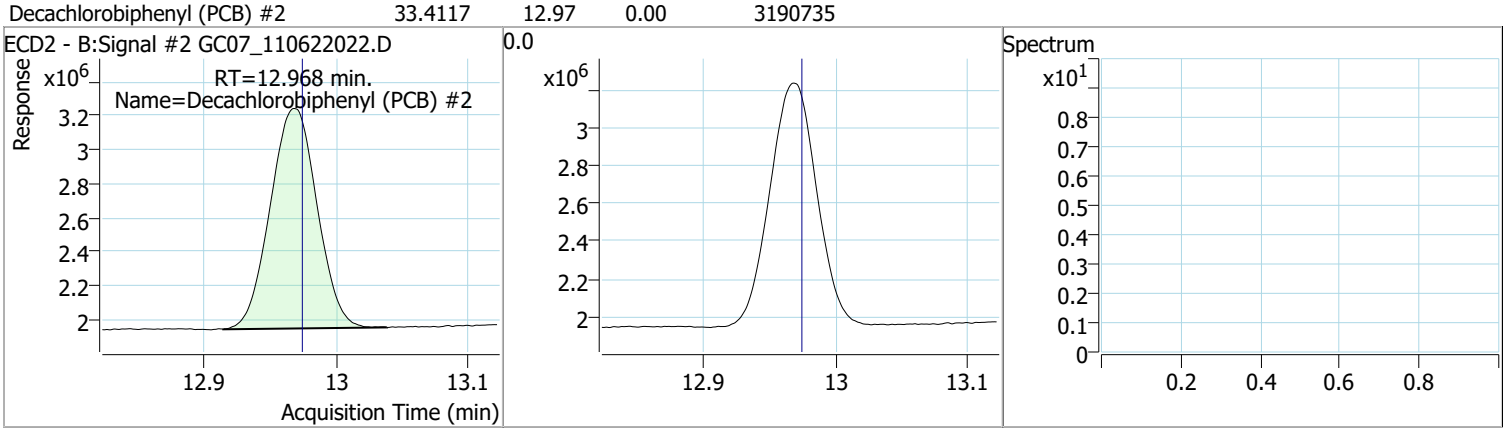
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	58.0676	11.59	0.04	409688				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.9526	11.70	0.00	4965238				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.4117	12.97	0.00	3190735				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	471955-002	Client ID:	ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-P-DUP-LA
Seqnum:	462447281023.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_110622023	Batch:	300277	Time:	06-NOV-2022 20:29
Cal:	462445893001	Caldate:	05-NOV-2022		
IDF:	1.0			Units:	ug/dm2

- 1.19 dm2 ⇨ 20.0 ml = 16.87 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	35.81	ug/L	~~0.60~~ ~~FP~~	0.55	9%	0.42		x u
Aroclor-1016 Peak # 1	A	115.7	ug/L	1.95	1.23	46%			
Aroclor-1016 Peak # 2	A	26.03	ug/L	0.44	0.07	146%			
Aroclor-1016 Peak # 3	A	32.25	ug/L	0.54	1.42	89%			
Aroclor-1016 Peak # 4	A	2.879	ug/L	0.05	0.01	158%			
Aroclor-1016 Peak # 5	A	2.204	ug/L	0.04	0.04	9%			
Aroclor-1221	A			ND			0.42		u
Aroclor-1232	A			ND			0.42		u
Aroclor-1242	A			ND			**0.43**		**y** u
Aroclor-1248	A			ND			0.42		u
Aroclor-1254	A			ND			0.42		u
Aroclor-1260	A	26.08	ug/L	~~0.44~~ ~~FP~~	0.34	27%	0.42		x u
Aroclor-1260 Peak # 1	A	47.33	ug/L	0.80	0.01	197%			
Aroclor-1260 Peak # 2	A	1.321	ug/L	0.02	0.03	34%			
Aroclor-1260 Peak # 3	A	4.772	ug/L	0.08	0.06	24%			
Aroclor-1260 Peak # 4	A	67.46	ug/L	1.14	0.44	89%			
Aroclor-1260 Peak # 5	A	9.495	ug/L	0.16	1.15	151%			
Aroclor-1262	A			ND			0.42		u
Aroclor-1268	A			ND			0.42		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	35.12	pg/uL	0.8436	0.5925	70	52-186	u
Decachlorobiphenyl (PCB)	A	28.99	pg/uL	0.8436	0.4891	58	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_110622004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2140965	1810559	-15.43
1-bromo-2-nitrobenzene (PCB)	A	3447381	3050394	-11.52

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

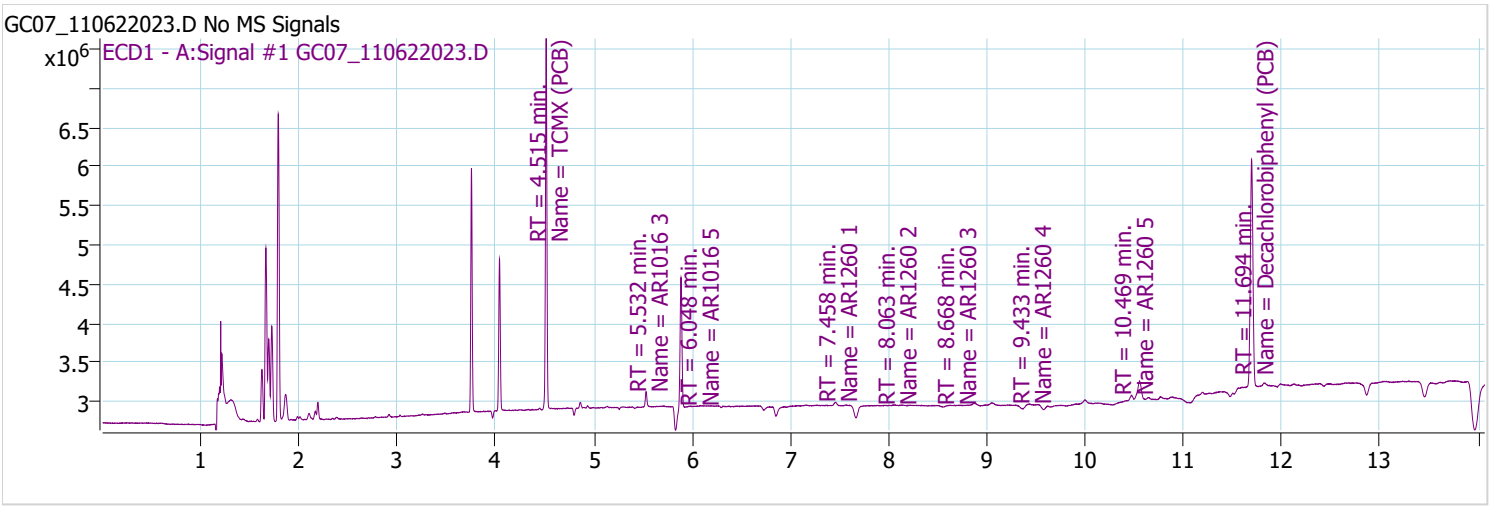
ISTD (CCV gc07_110622004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.02	4.02	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.76	3.76	0.00

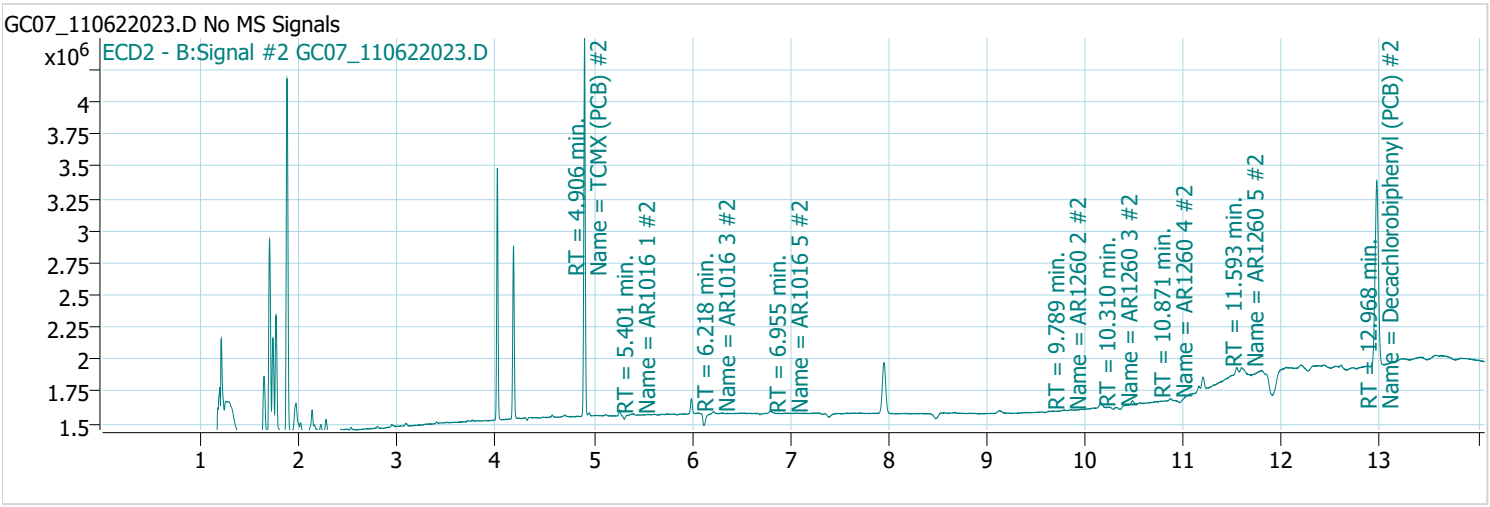
u=use x=false positive y=RL raised

Analyst: TRN 11/09/22 **Reviewer:** LW 11/09/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_110622023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/6/2022 8:29:39 PM
Sample Name	471955-002, 300277, 1	Instrument	SVOA-GC07
Vial	10	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	WIPE/1DM^2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	110622PCB.batch.bin	Last Calib Update	11/6/2022 4:04:27 PM
Ref Library			



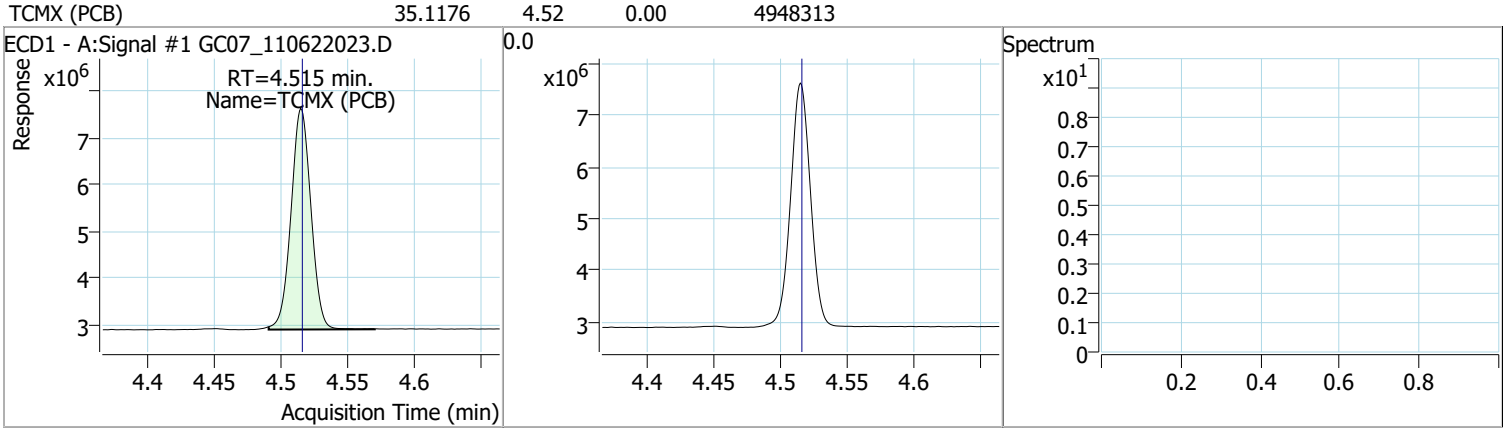


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.755	0.0	3050394.464	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.018	0.0	1810559.124	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.515	0.0	4948312.538	35.1176	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 175.59%		*	
S TCMX (PCB) #2	4.906	0.0	3089147.188	36.8686	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 184.34%		*	
S Decachlorobiphenyl (PCB)	11.694	0.0	5390712.042	28.9937	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 144.97%			
S Decachlorobiphenyl (PCB) #2	12.968	0.0	3366020.309	30.7095	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 153.55%		*	
Target Compounds							QValue

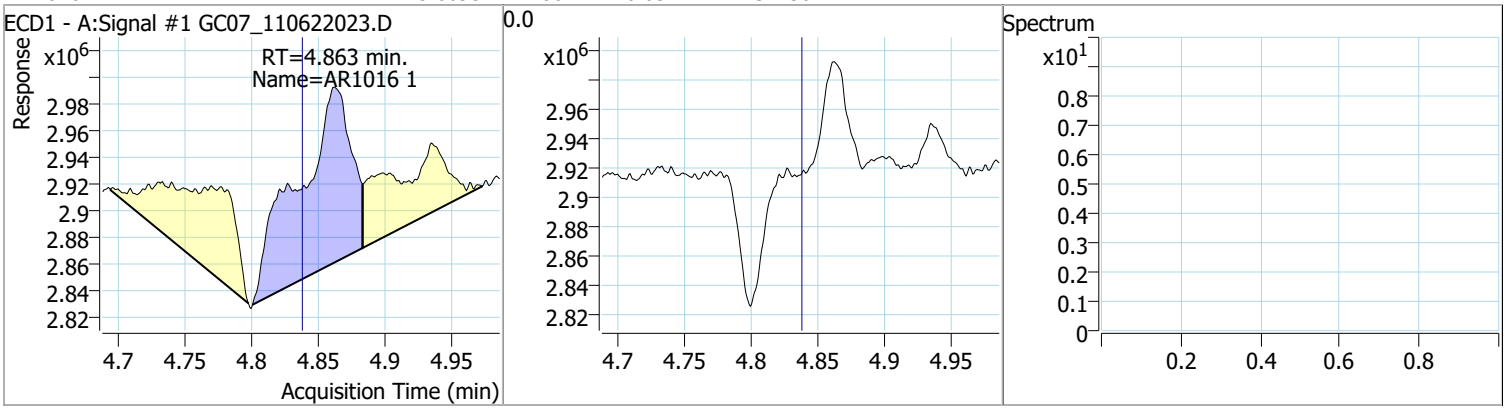
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.863	0.0	374303.767	115.6695	ng/ml	100
T AR1016 2	5.138	0.0	172413.752	26.0287	ng/ml	100
T AR1016 1 #2	5.401	0.0	142951.317	72.6305	ng/ml	100
T AR1016 3	5.532	0.0	258611.748	32.2527	ng/ml	100
T AR1016 4	5.673	0.0	16627.191	2.8795	ng/ml	100
T AR1016 2 #2	5.753	0.0	17006.838	4.0527	ng/ml	100
T AR1016 5	6.048	0.0	10487.750	2.2041	ng/ml	100
T AR1016 3 #2	6.218	0.0	435555.727	84.3925	ng/ml	100
T AR1016 4 #2	6.365	0.0	1207.511	0.3336	ng/ml	100
T AR1016 5 #2	6.955	0.0	7280.596	2.4220	ng/ml	100
T AR1260 1	7.458	0.0	424285.411	47.3303	ng/ml	100
T AR1260 2	8.063	0.0	18319.160	1.3213	ng/ml	100
T AR1260 3	8.668	0.0	68933.262	4.7718	ng/ml	100
T AR1260 1 #2	9.380	0.0	2235.119	0.3740	ng/ml	100
T AR1260 4	9.433	0.0	559597.380	67.4619	ng/ml	100
T AR1260 2 #2	9.789	0.0	13030.670	1.8547	ng/ml	100
T AR1260 3 #2	10.310	0.0	31983.040	3.7598	ng/ml	100
T AR1260 5	10.469	0.0	96378.884	9.4955	ng/ml	100
T AR1260 4 #2	10.871	0.0	140717.170	25.8719	ng/ml	100
T AR1260 5 #2	11.593	0.0	549850.916	67.9005	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

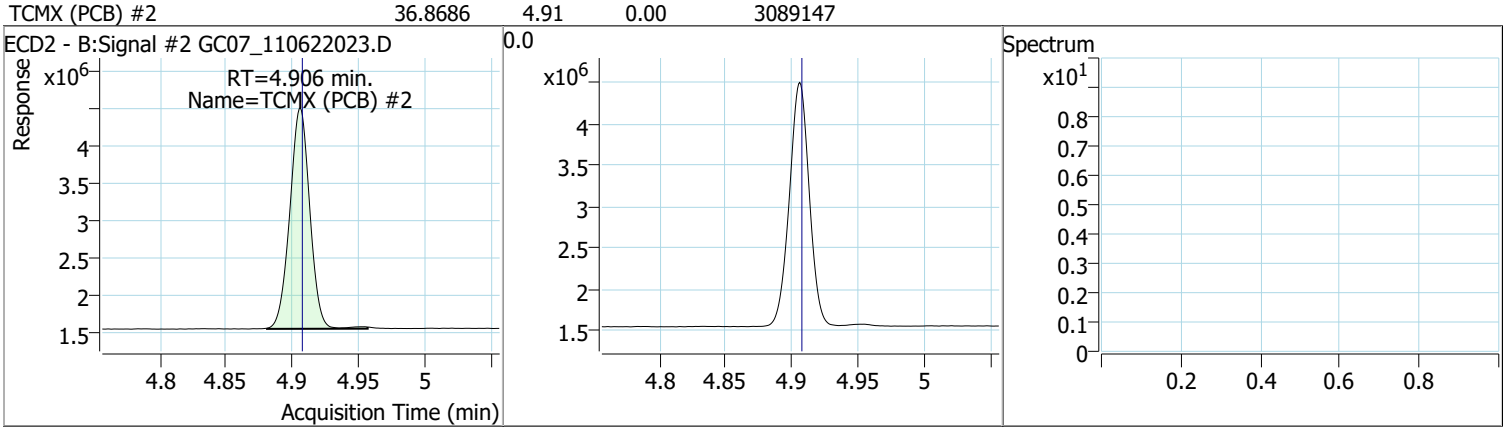
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.1176	4.52	0.00	4948313				



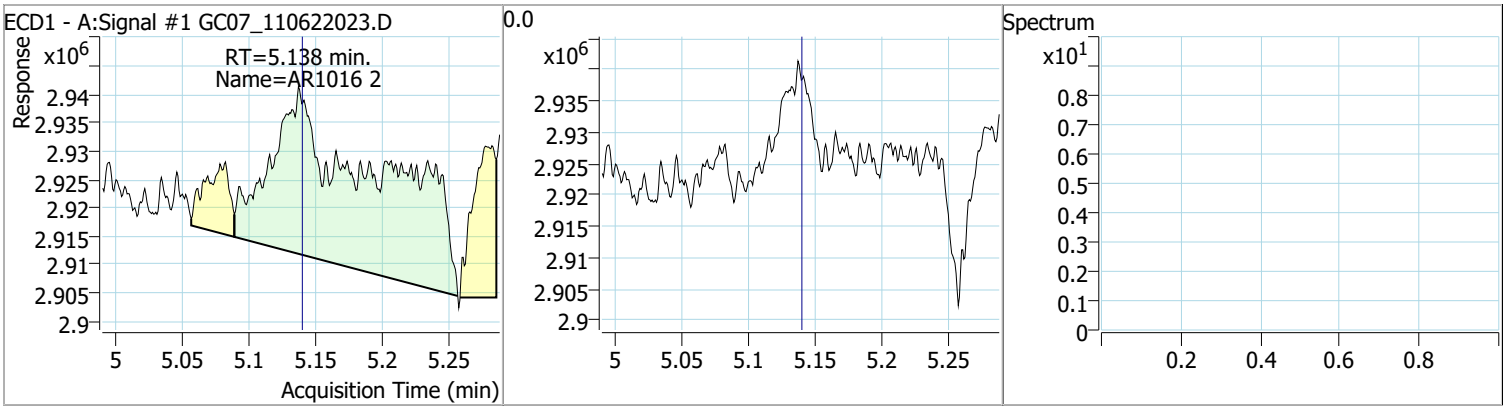
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	115.6695	4.86	0.03	374304				



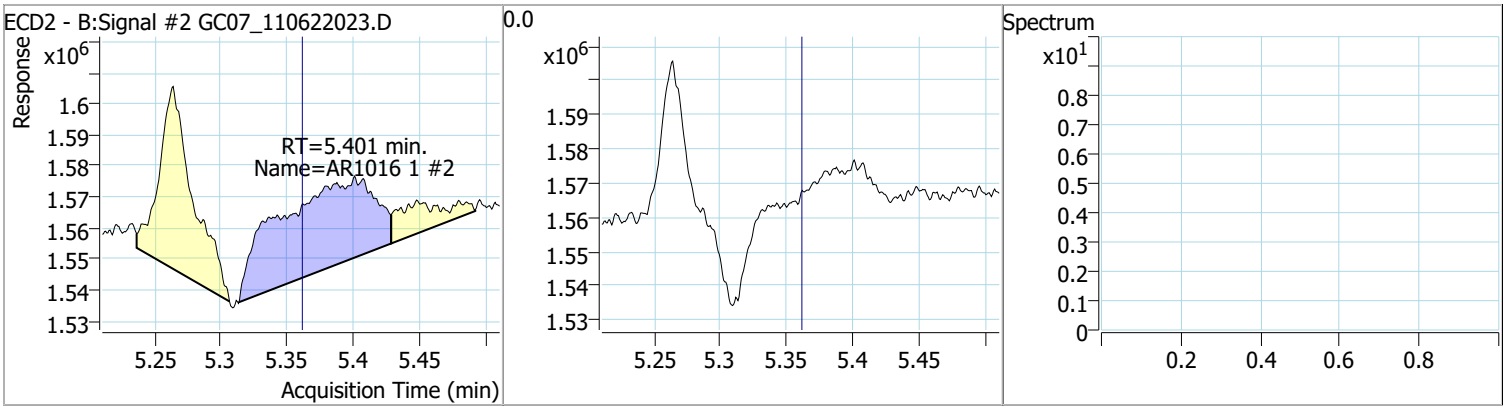
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.8686	4.91	0.00	3089147				



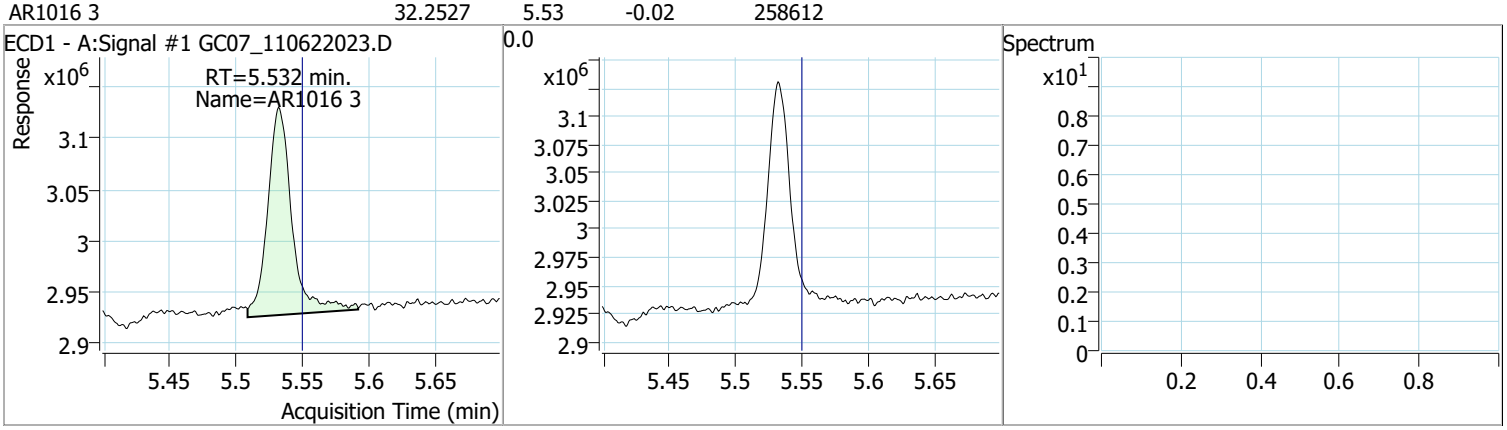
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	26.0287	5.14	0.00	172414				



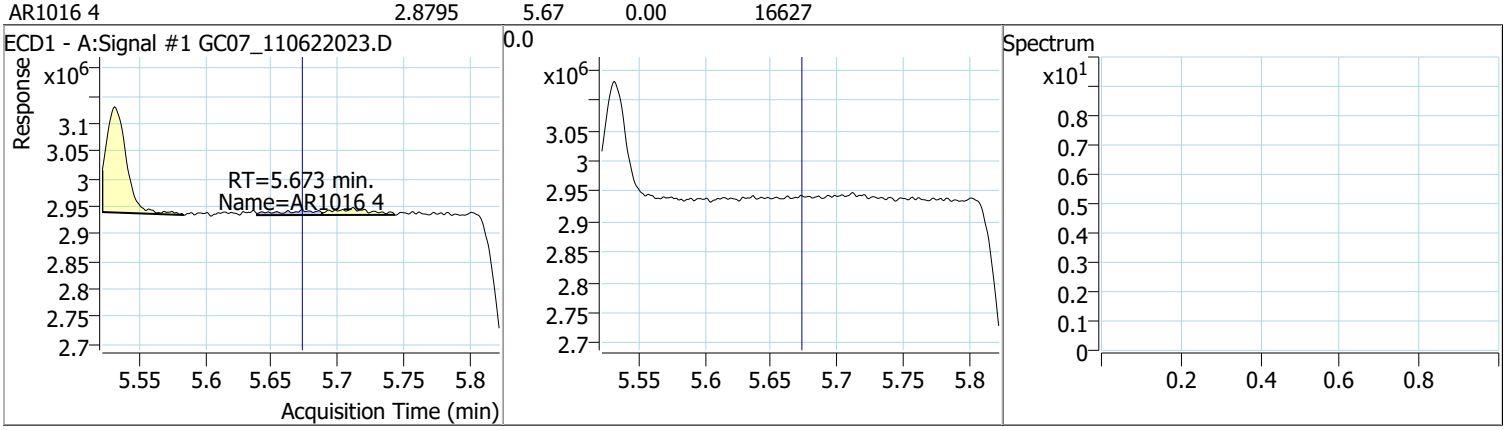
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	72.6305	5.40	0.04	142951				



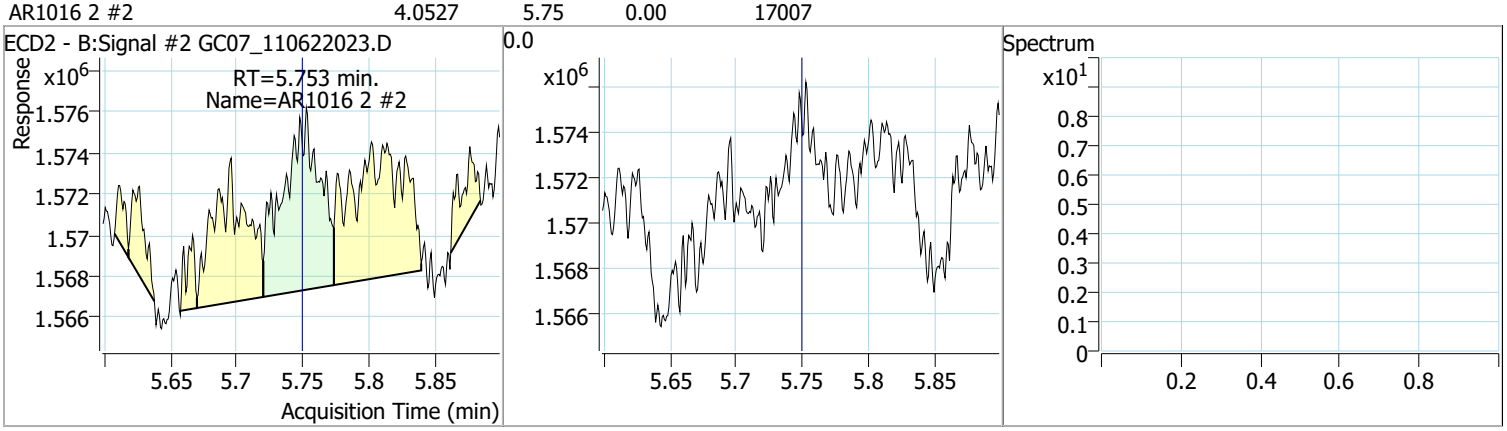
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	32.2527	5.53	-0.02	258612				



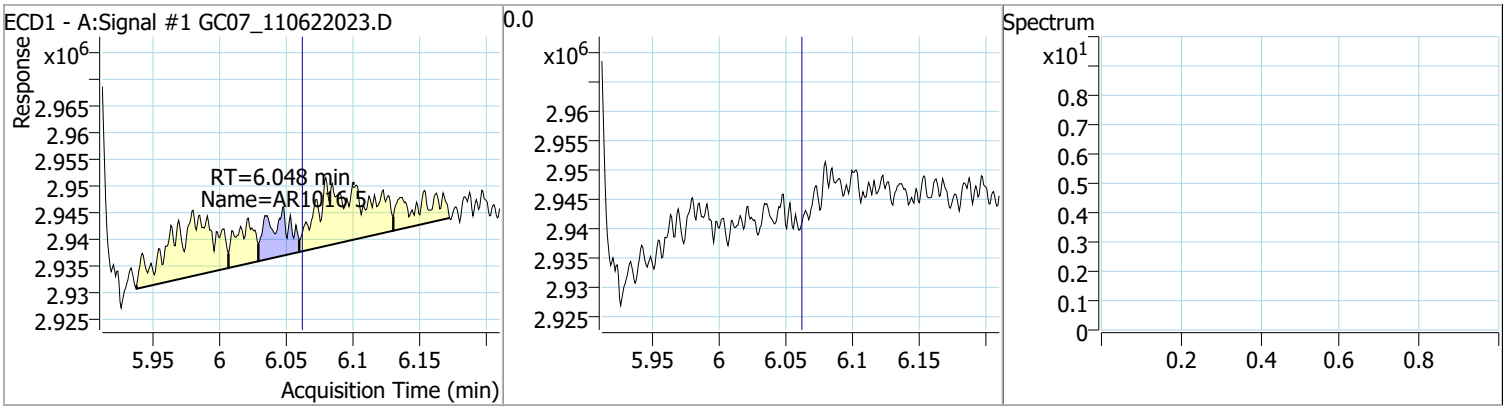
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2.8795	5.67	0.00	16627				



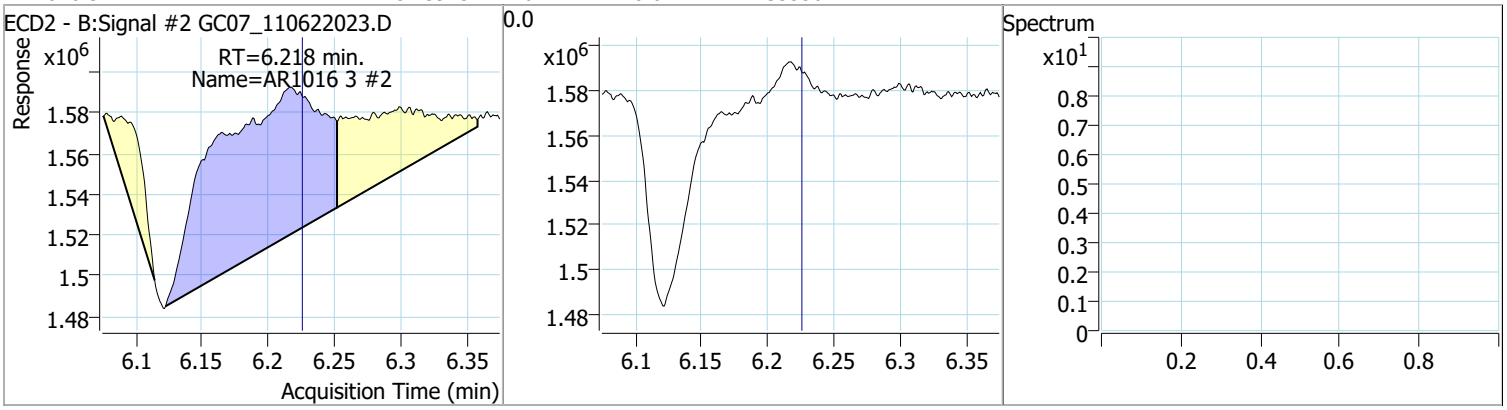
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	4.0527	5.75	0.00	17007				



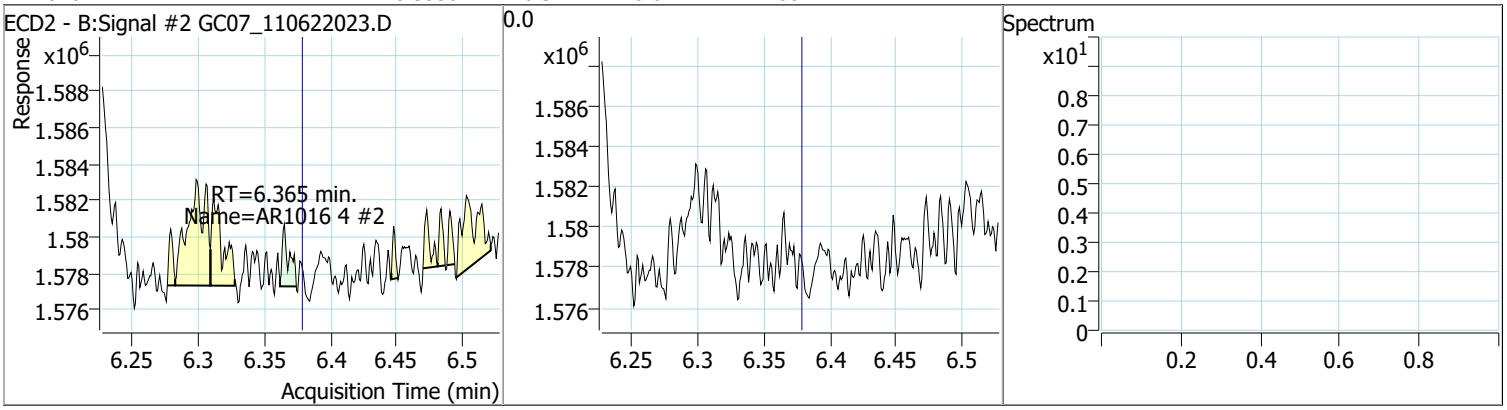
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	2.2041	6.05	-0.01	10488				



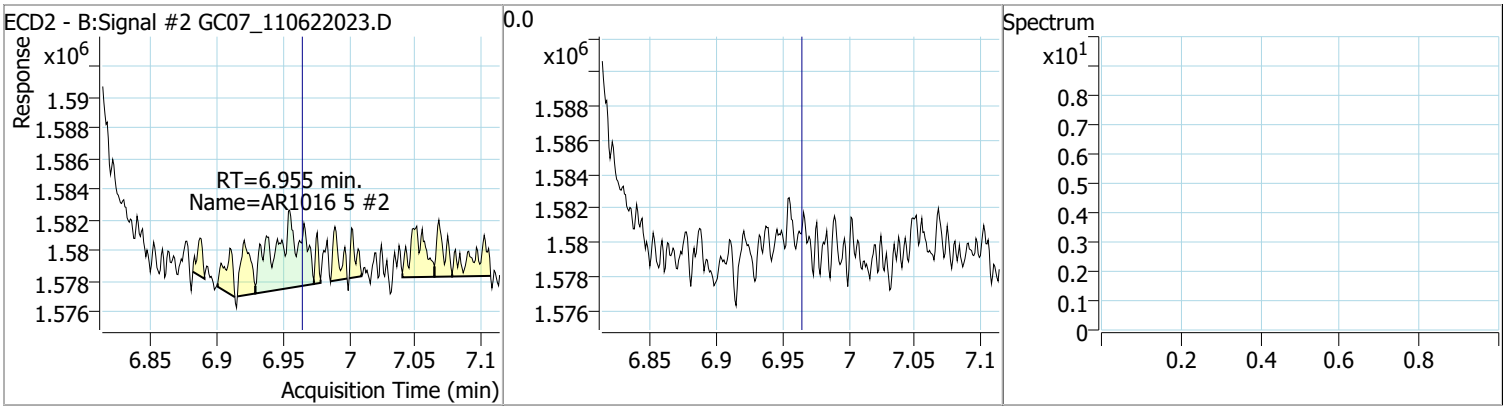
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	84.3925	6.22	-0.01	435556				



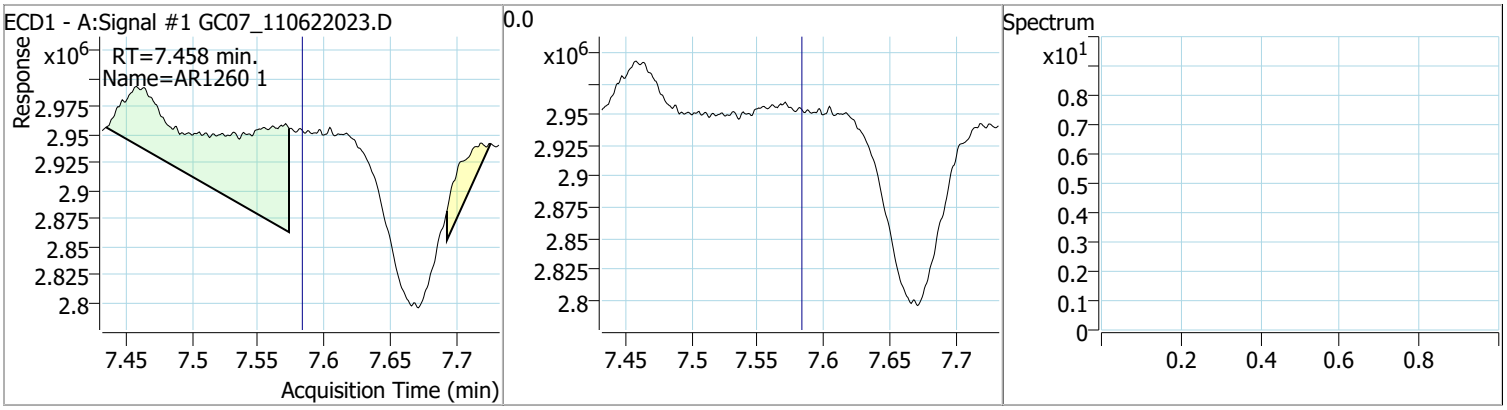
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.3336	6.37	-0.01	1208				



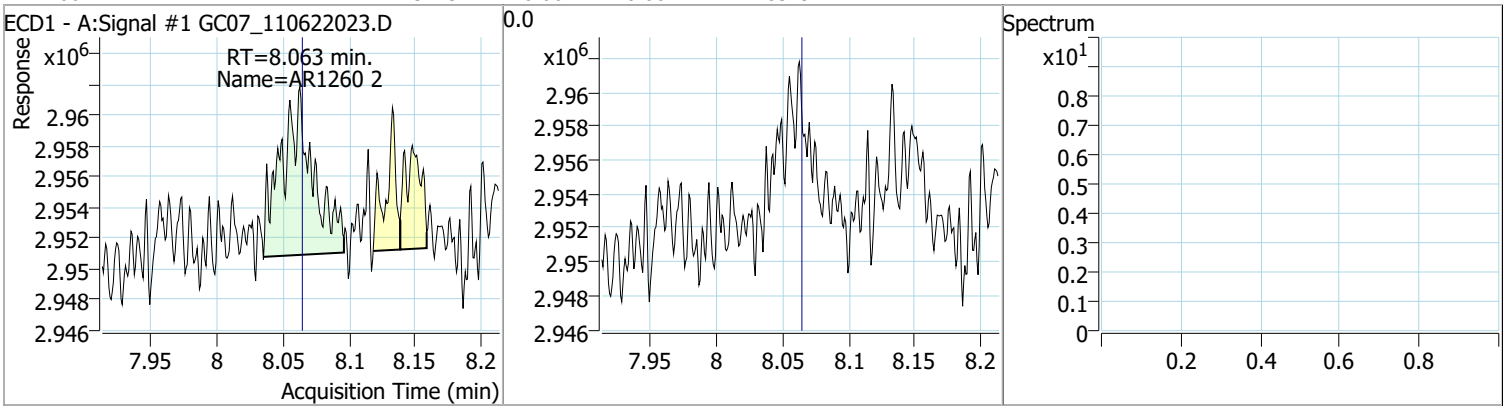
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.4220	6.96	-0.01	7281				



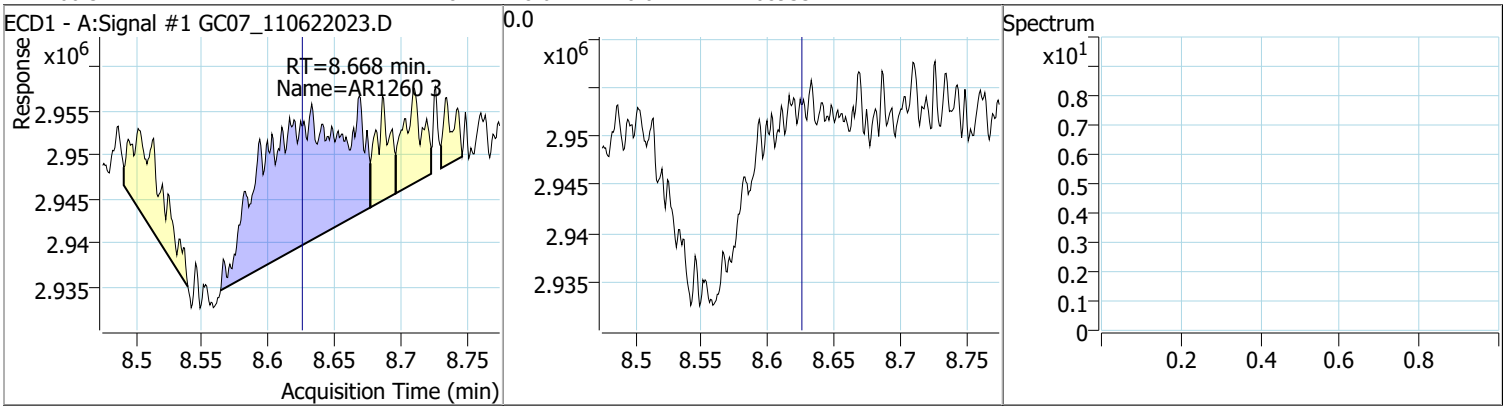
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	47.3303	7.46	-0.12	424285				



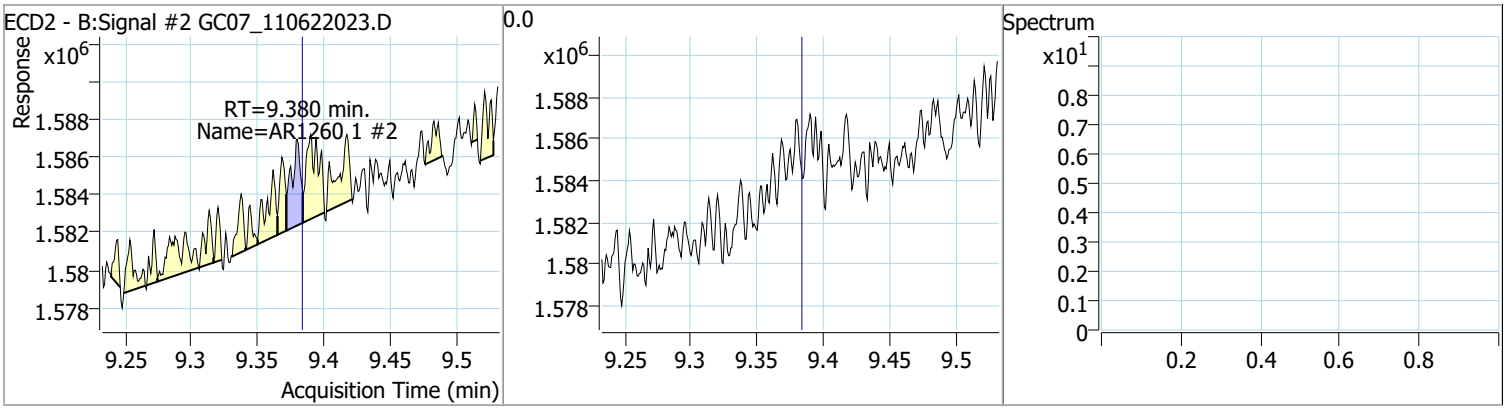
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.3213	8.06	0.00	18319				



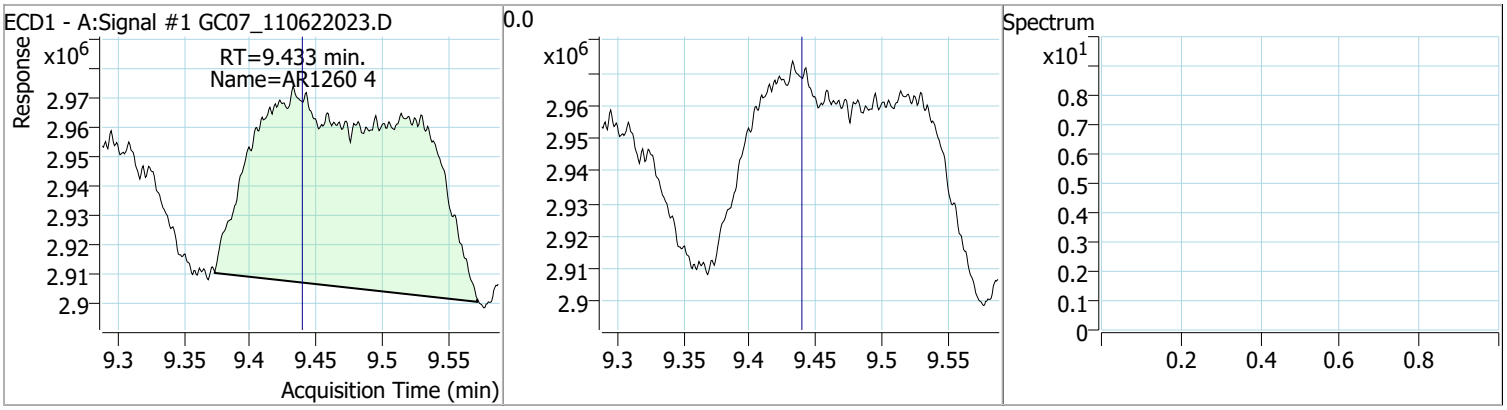
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.7718	8.67	0.04	68933				



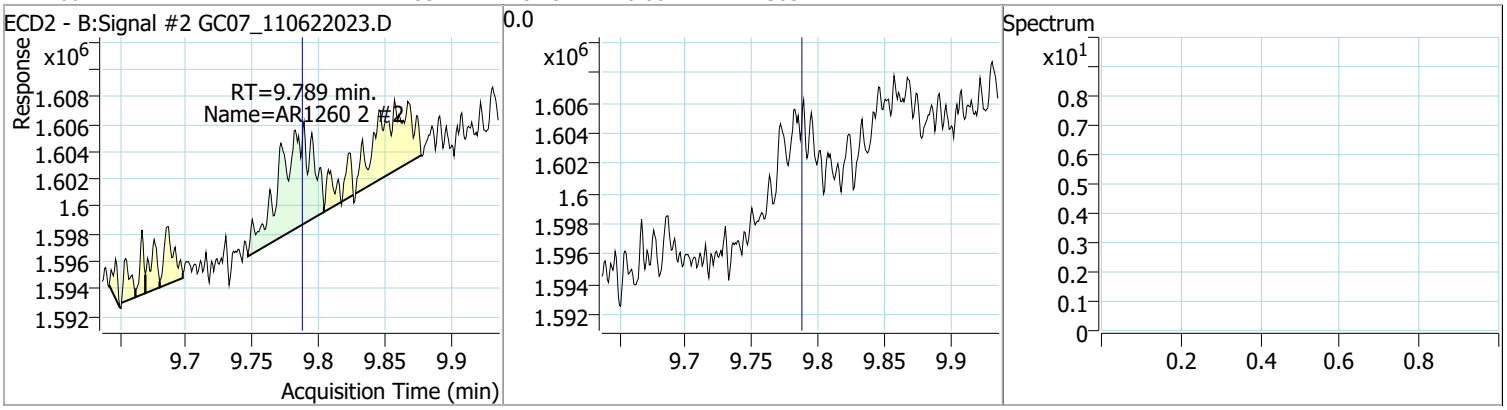
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.3740	9.38	0.00	2235				



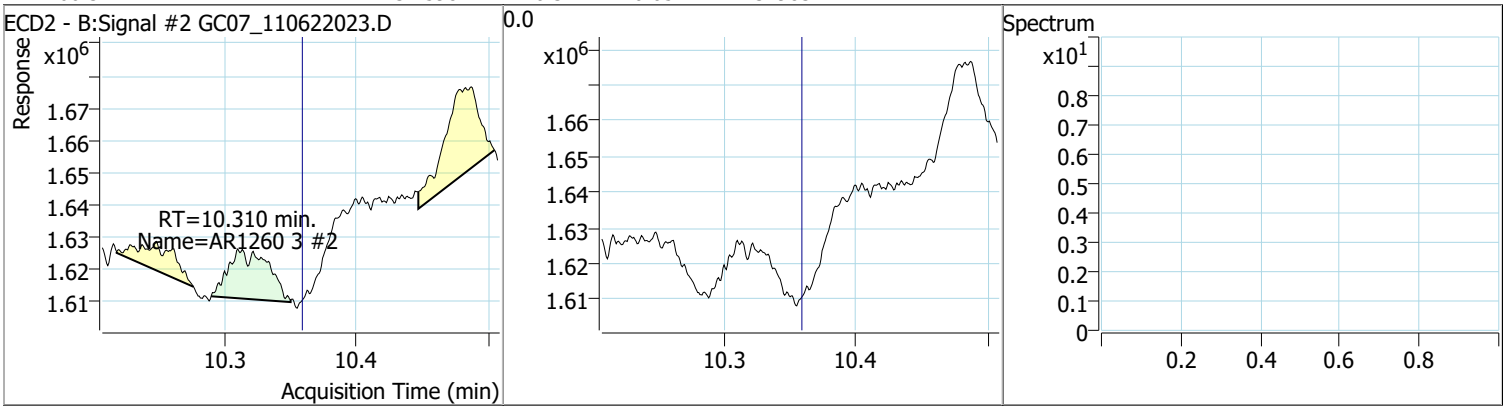
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	67.4619	9.43	-0.01	559597				



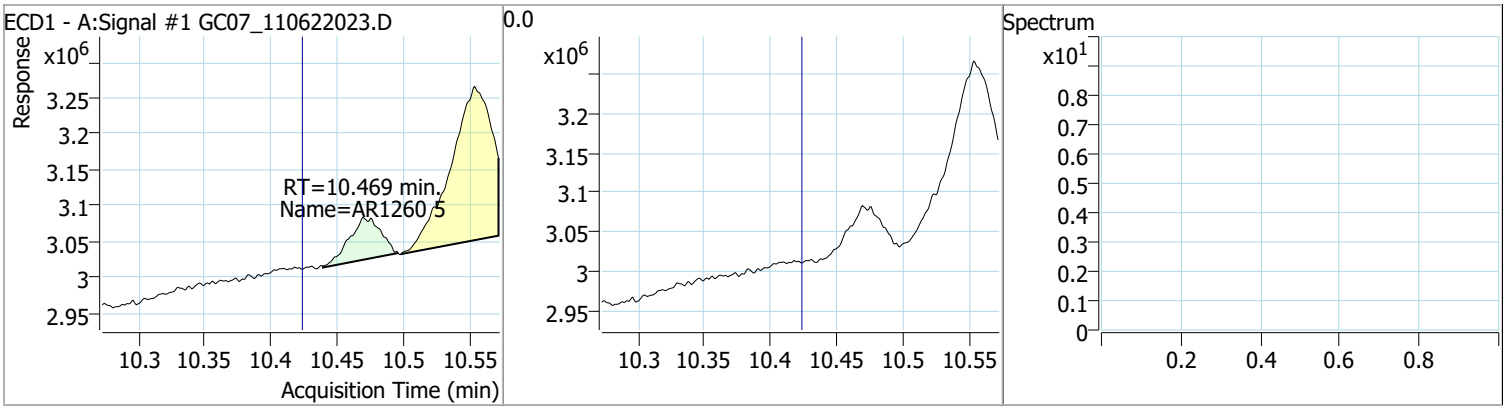
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.8547	9.79	0.00	13031				



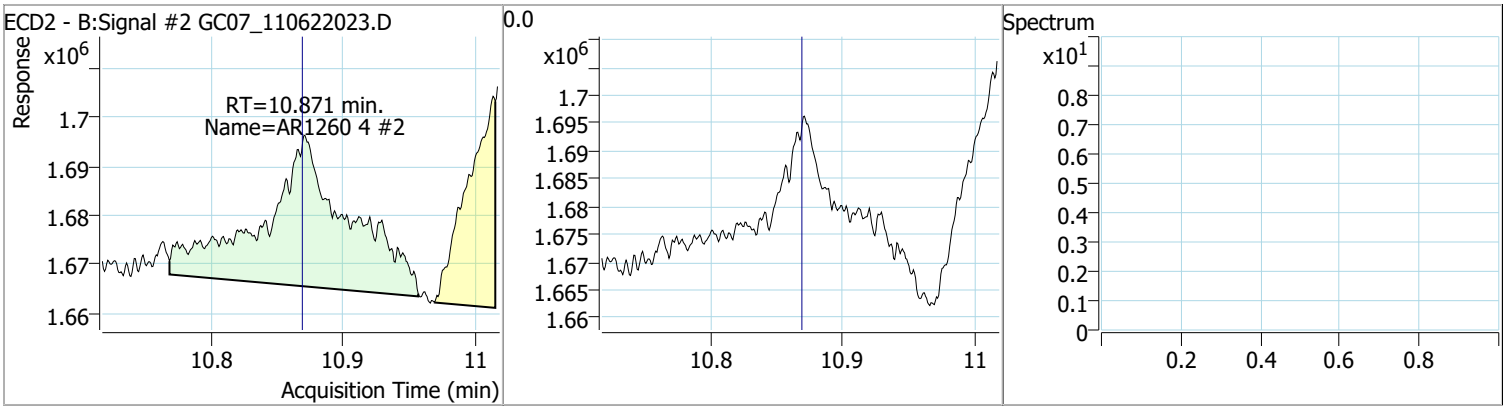
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.7598	10.31	-0.05	31983				



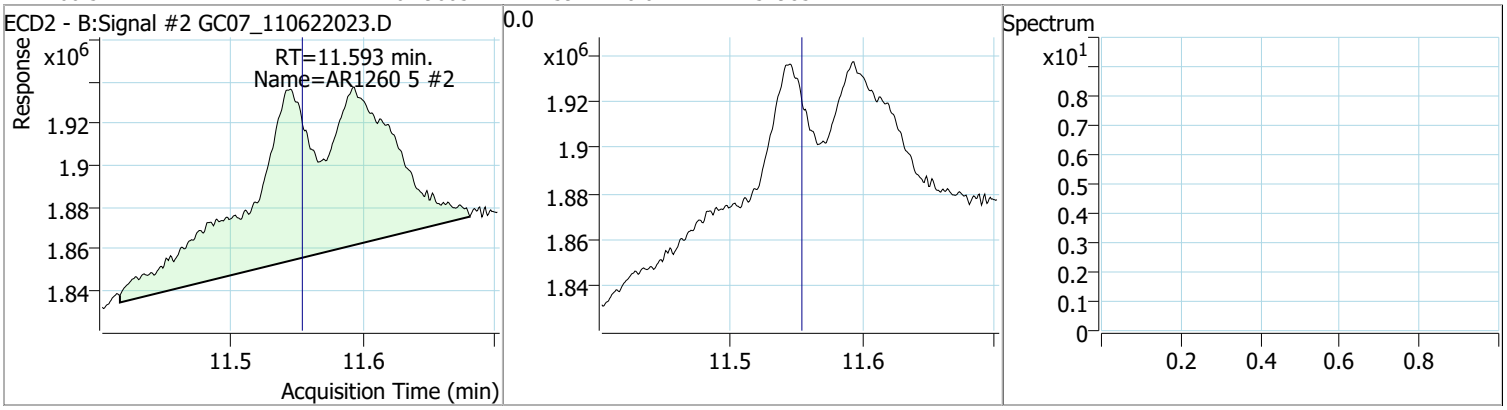
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	9.4955	10.47	0.05	96379				



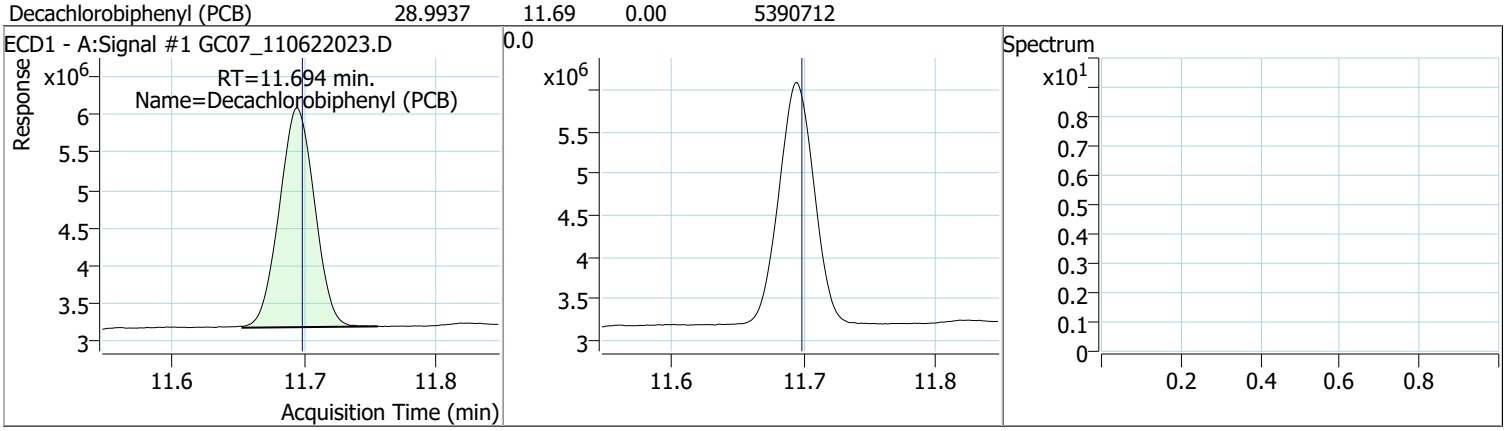
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	25.8719	10.87	0.00	140717				



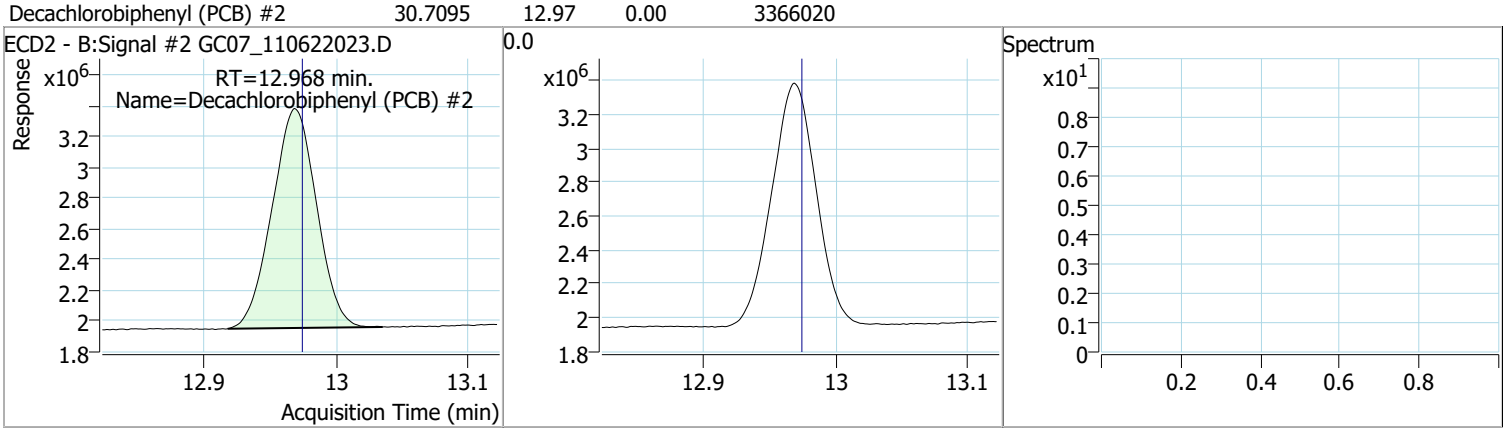
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	67.9005	11.59	0.04	549851				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.9937	11.69	0.00	5390712				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	30.7095	12.97	0.00	3366020				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	471955-004	Client ID:	ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-P-LA
Seqnum:	462447281024.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_110622024	Batch:	300277	Time:	06-NOV-2022 20:47
Cal:	462445893001	Caldate:	05-NOV-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	46.49	ug/L	~~0.93~~ ~~FP~~	0.85	9%	0.50		x u
Aroclor-1016 Peak # 1	A	172.8	ug/L	3.46	1.40	84%			
Aroclor-1016 Peak # 2	A	5.126	ug/L	0.10	0.26	88%			
Aroclor-1016 Peak # 3	A	41.49	ug/L	0.83	2.53	101%			
Aroclor-1016 Peak # 4	A	2.036	ug/L	0.04	0.02	60%			
Aroclor-1016 Peak # 5	A	11.01	ug/L	0.22	0.02	165%			
Aroclor-1221	A			ND			0.50		u
Aroclor-1232	A			ND			0.50		u
Aroclor-1242	A			ND			**0.51**		**y** u
Aroclor-1248	A			ND			0.50		u
Aroclor-1254	A			ND			0.50		u
Aroclor-1260	A	19.38	ug/L	ND	ND	75%	0.50		u
Aroclor-1260 Peak # 1	A	46.31	ug/L	0.93	0.01	196%			
Aroclor-1260 Peak # 2	A	1.712	ug/L	0.03	0.01	107%			
Aroclor-1260 Peak # 3	A	1.985	ug/L	0.04	0.07	52%			
Aroclor-1260 Peak # 4	A	45.58	ug/L	0.91	0.25	113%			
Aroclor-1260 Peak # 5	A	1.322	ug/L	0.03	0.54	181%			
Aroclor-1262	A			ND			0.50		u
Aroclor-1268	A			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	35.51	pg/uL	1.000	0.7101	71	52-186	u
Decachlorobiphenyl (PCB)	A	30.59	pg/uL	1.000	0.6118	61	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_110622004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2140965	1882180	-12.09
1-bromo-2-nitrobenzene (PCB)	A	3447381	2861872	-16.98

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

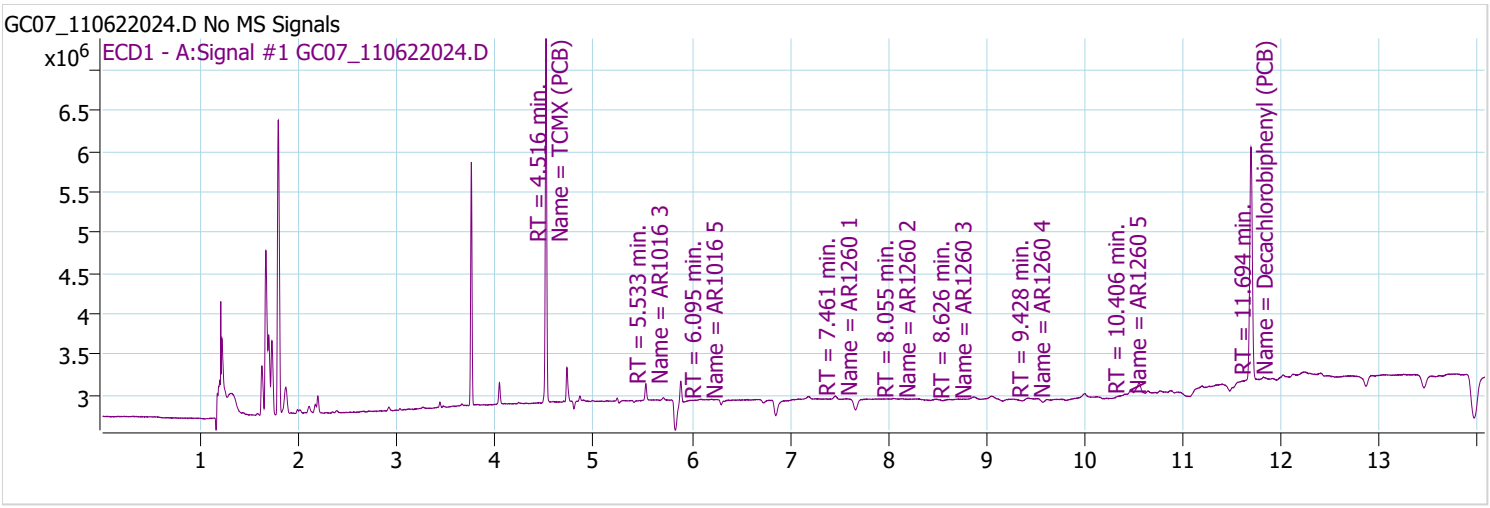
ISTD (CCV gc07_110622004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.02	4.02	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.76	3.76	0.00

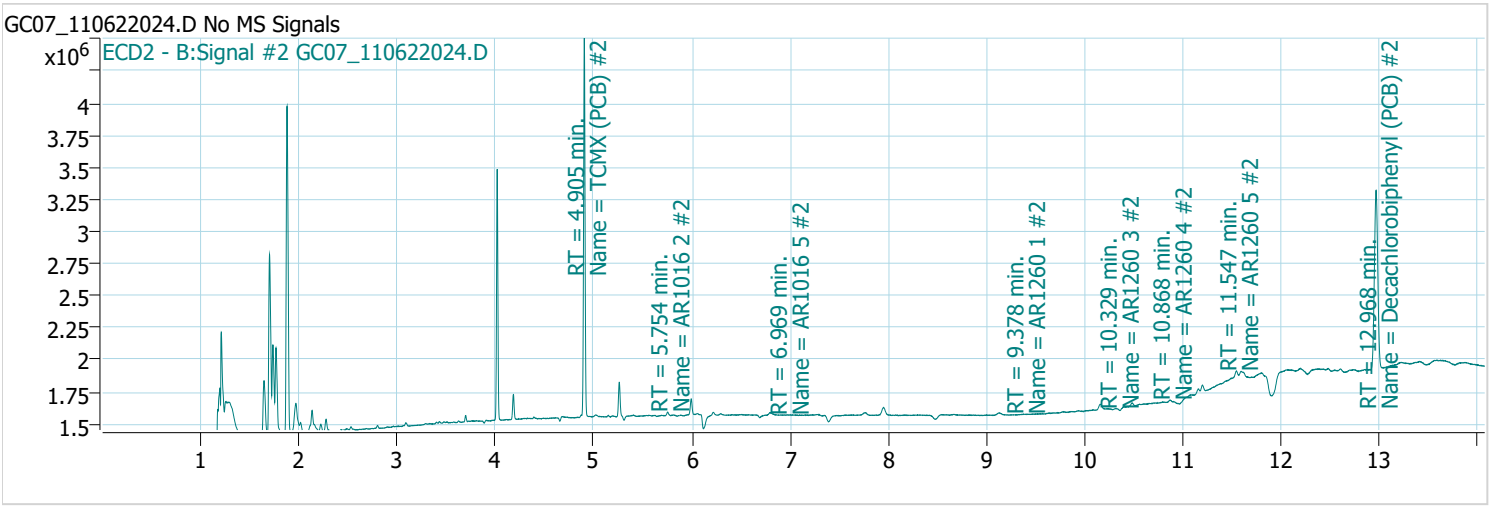
u=use x=false positive y=RL raised

Analyst: TRN 11/09/22 **Reviewer:** LW 11/09/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_110622024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/6/2022 8:47:02 PM
Sample Name	471955-004, 300277, 1	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	WIPE/1DM^2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	110622PCB.batch.bin	Last Calib Update	11/6/2022 4:04:27 PM
Ref Library			



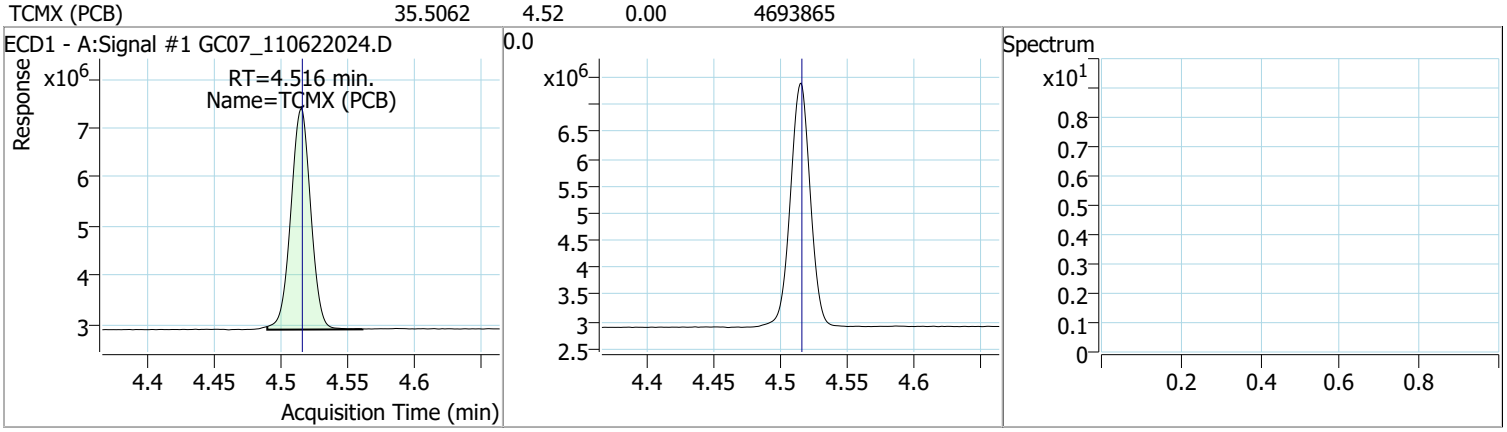


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.755	0.0	2861871.875	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.018	0.0	1882179.685	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.516	0.0	4693864.913	35.5062	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.53%		*	
S TCMX (PCB) #2	4.905	0.0	3110814.572	35.7144	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 178.57%		*	
S Decachlorobiphenyl (PCB)	11.694	0.0	5336397.482	30.5922	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 152.96%		*	
S Decachlorobiphenyl (PCB) #2	12.968	0.0	3344600.150	29.3529	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.76%			
Target Compounds							QValue

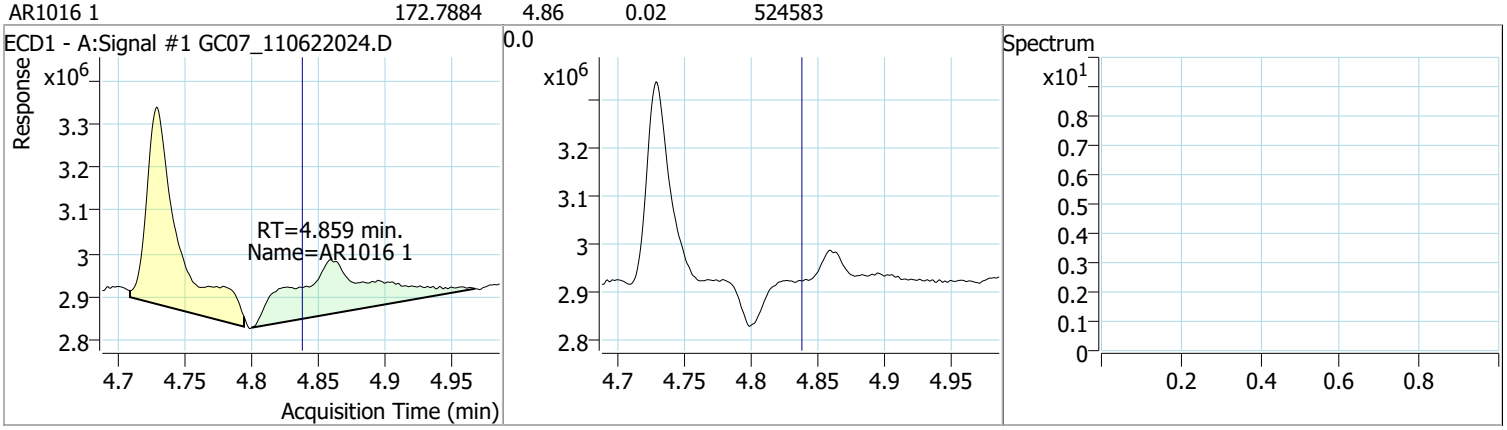
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.859	0.0	524582.859	172.7884	ng/ml	100
T AR1016 2	5.135	0.0	31858.491	5.1264	ng/ml	100
T AR1016 1 #2	5.403	0.0	143608.174	70.1878	ng/ml	100
T AR1016 3	5.533	0.0	312129.512	41.4914	ng/ml	100
T AR1016 4	5.644	0.0	11030.526	2.0361	ng/ml	100
T AR1016 2 #2	5.754	0.0	57753.714	13.2390	ng/ml	100
T AR1016 5	6.095	0.0	49166.734	11.0134	ng/ml	100
T AR1016 3 #2	6.219	0.0	677936.488	126.3574	ng/ml	100
T AR1016 4 #2	6.405	0.0	4133.713	1.0986	ng/ml	100
T AR1016 5 #2	6.969	0.0	3280.689	1.0498	ng/ml	100
T AR1260 1	7.461	0.0	389481.809	46.3099	ng/ml	100
T AR1260 2	8.055	0.0	22273.251	1.7123	ng/ml	100
T AR1260 3	8.626	0.0	26900.351	1.9848	ng/ml	100
T AR1260 1 #2	9.378	0.0	2811.285	0.4525	ng/ml	100
T AR1260 4	9.428	0.0	354701.046	45.5776	ng/ml	100
T AR1260 2 #2	9.862	0.0	3787.892	0.5186	ng/ml	100
T AR1260 3 #2	10.329	0.0	30030.596	3.3960	ng/ml	100
T AR1260 5	10.406	0.0	12586.460	1.3217	ng/ml	100
T AR1260 4 #2	10.868	0.0	71201.839	12.5929	ng/ml	100
T AR1260 5 #2	11.547	0.0	229278.673	27.2360	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

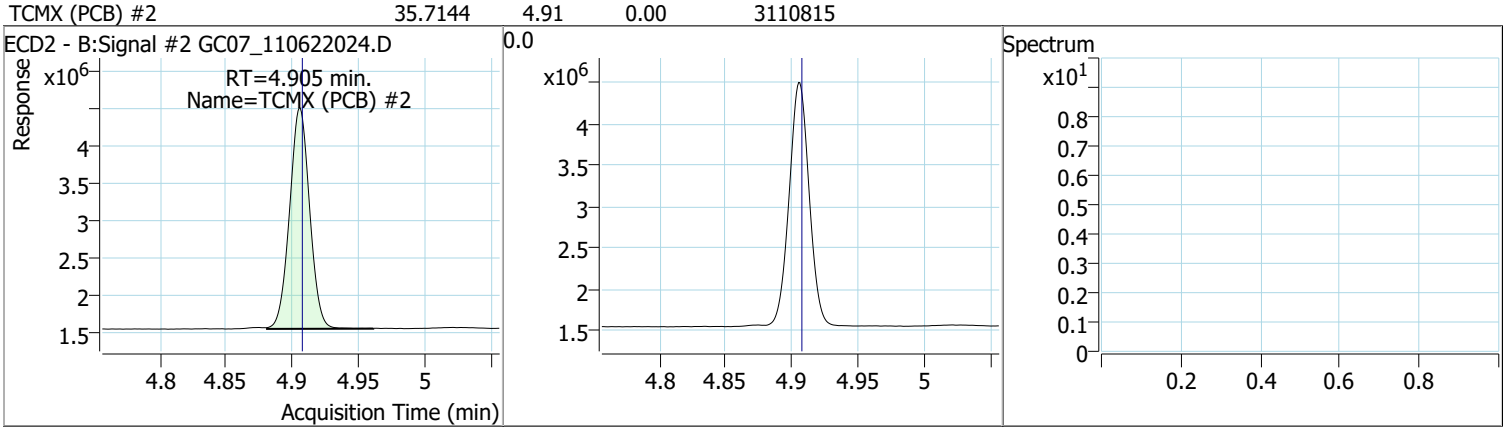
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	35.5062	4.52	0.00	4693865				



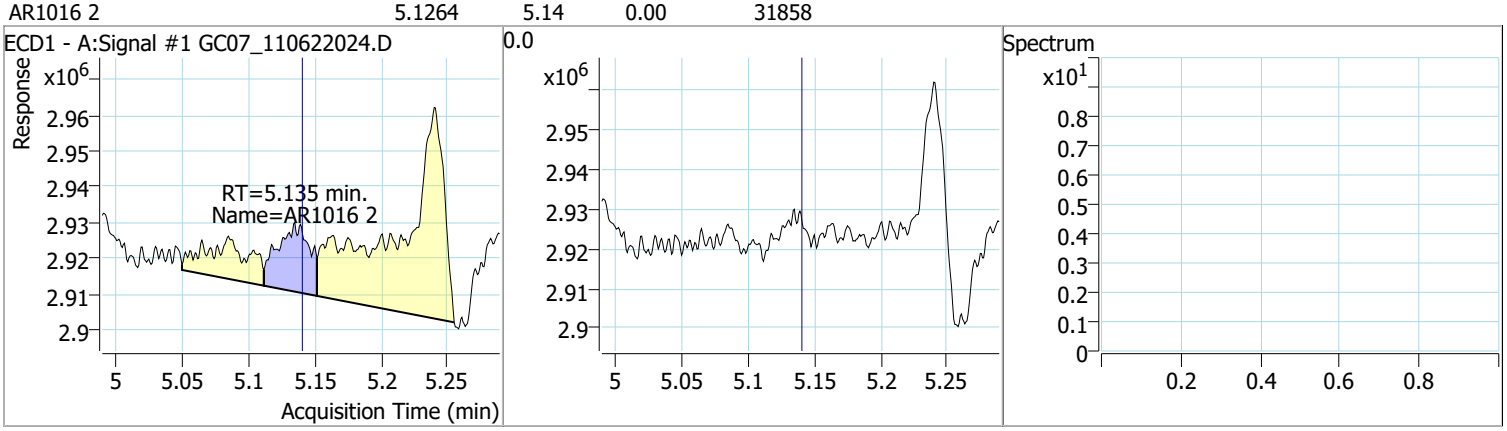
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	172.7884	4.86	0.02	524583				



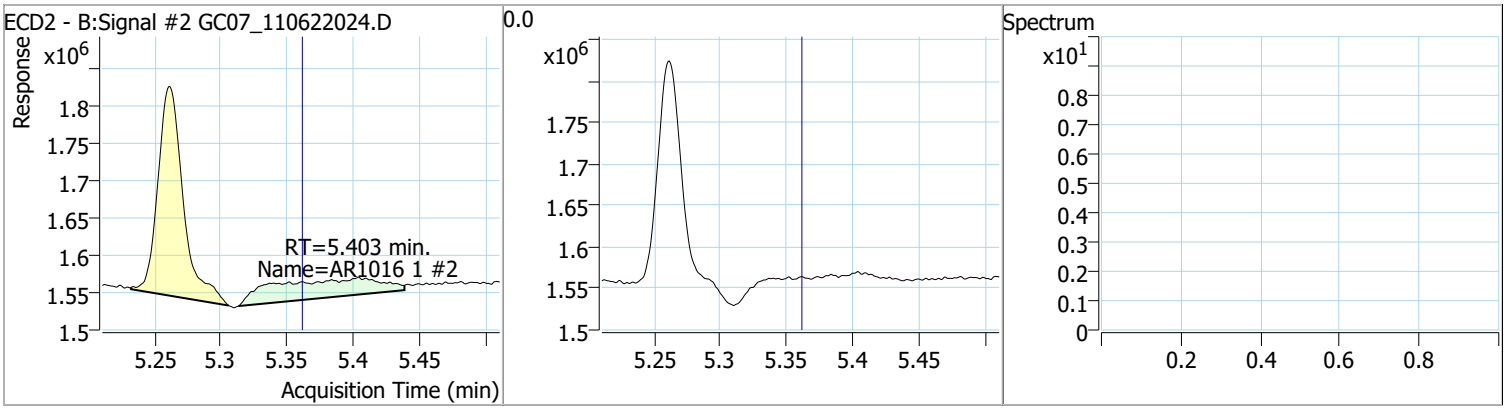
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.7144	4.91	0.00	3110815				



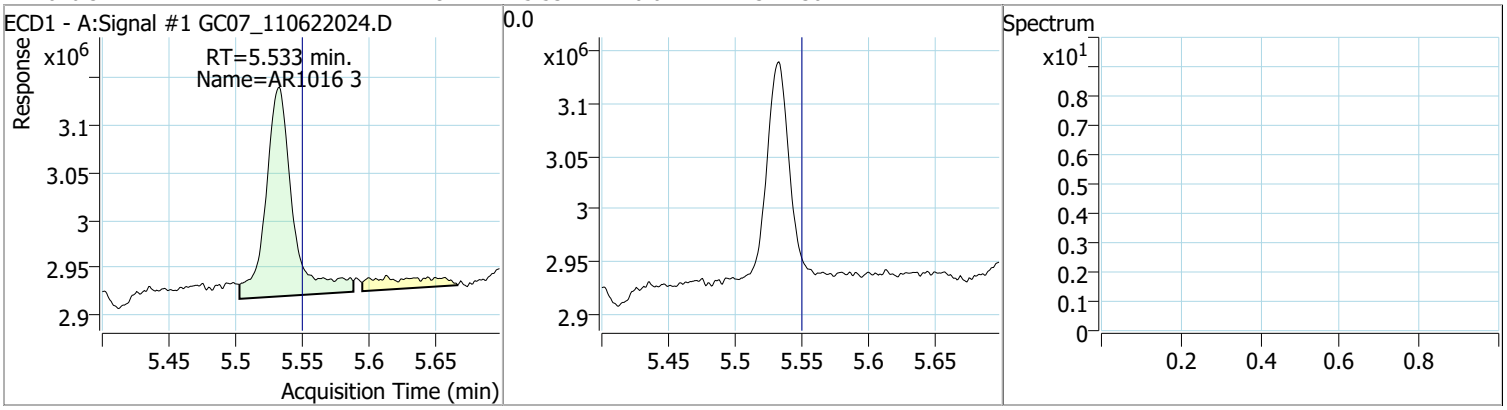
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	5.1264	5.14	0.00	31858				



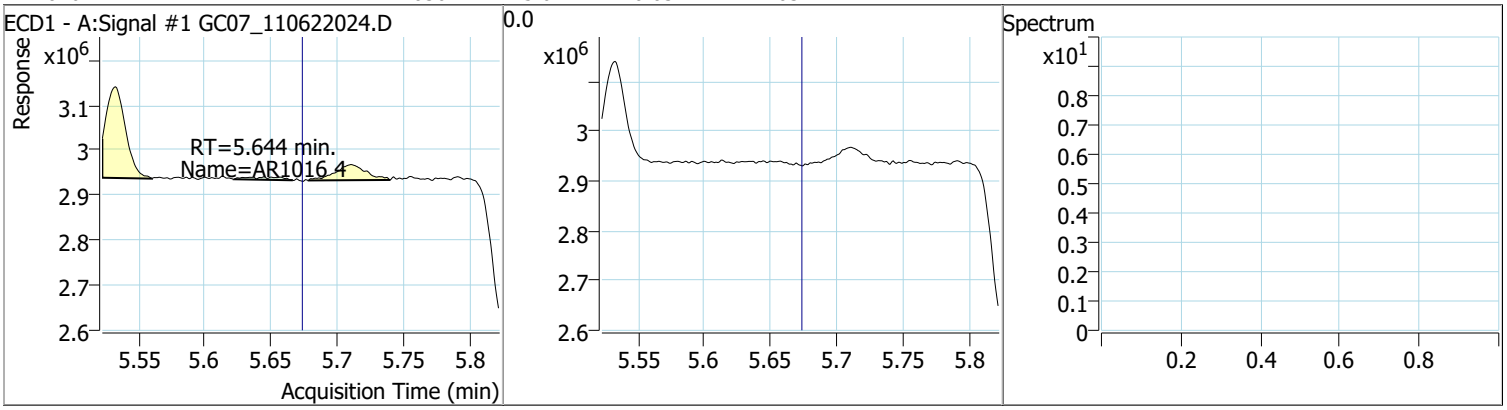
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	70.1878	5.40	0.04	143608				



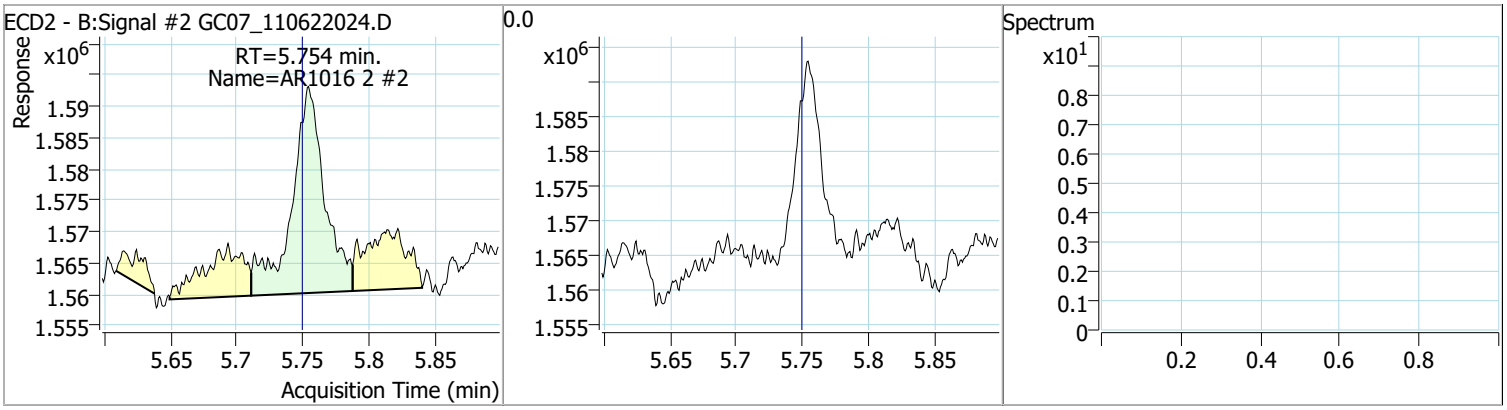
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	41.4914	5.53	-0.02	312130				



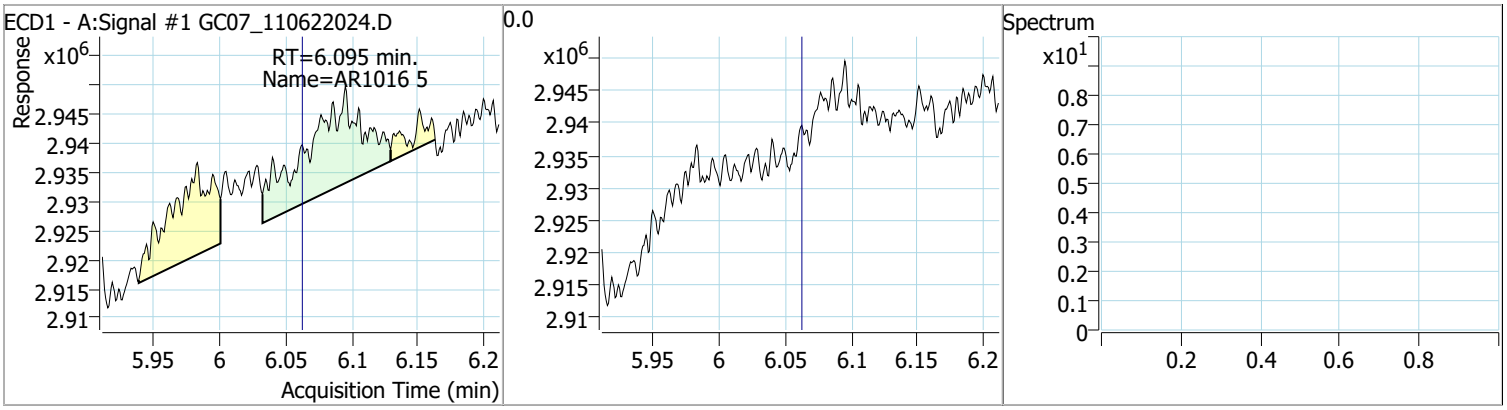
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2.0361	5.64	-0.03	11031				



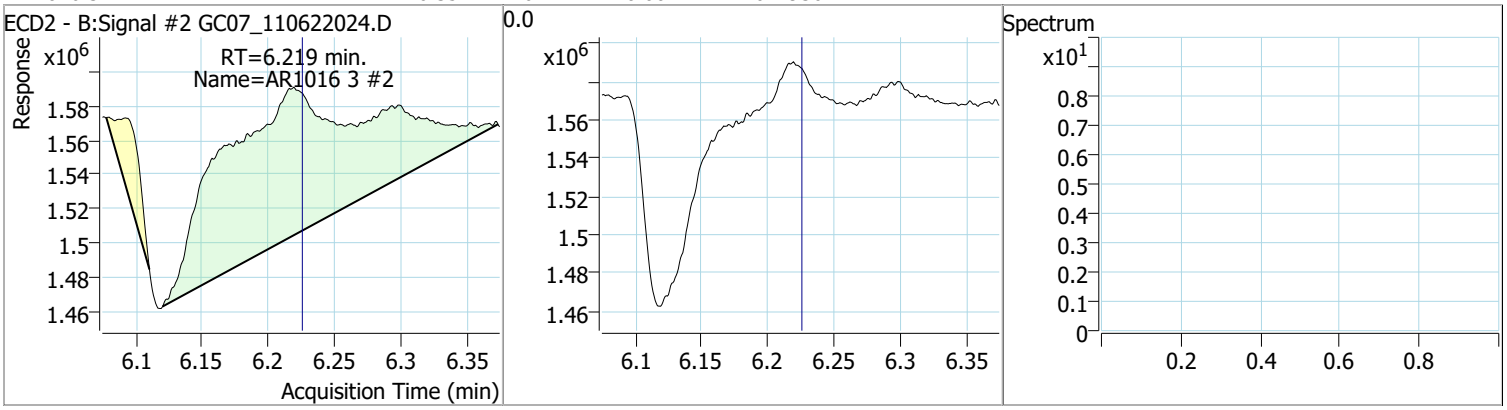
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.2390	5.75	0.01	57754				



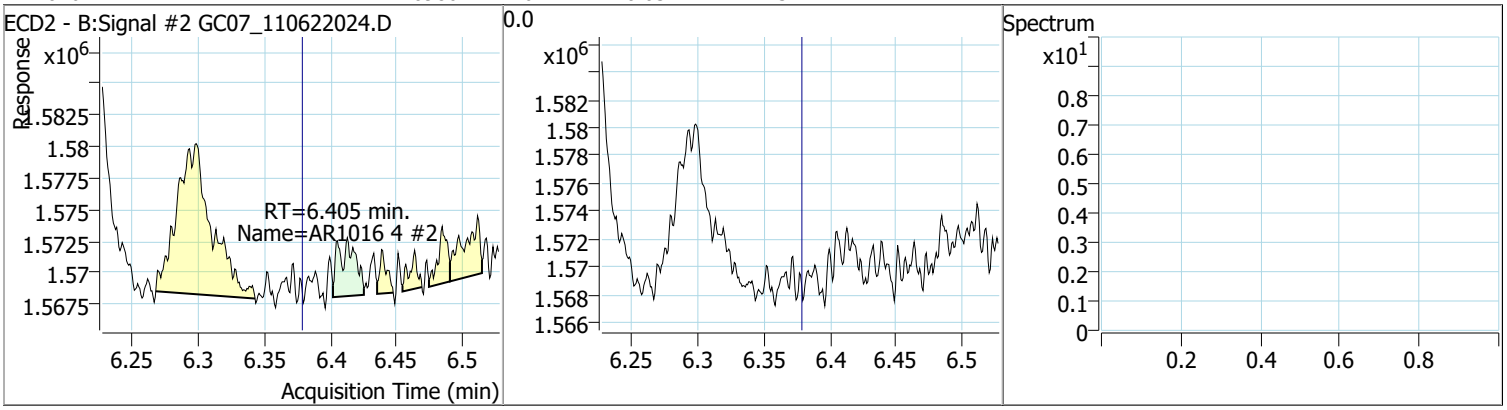
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	11.0134	6.10	0.03	49167				



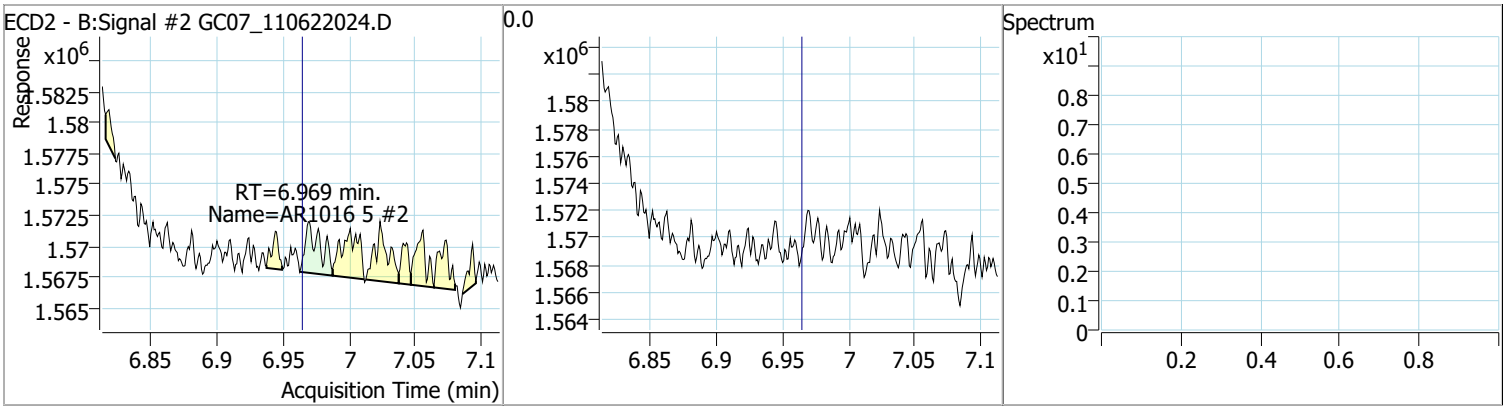
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	126.3574	6.22	0.00	677936				



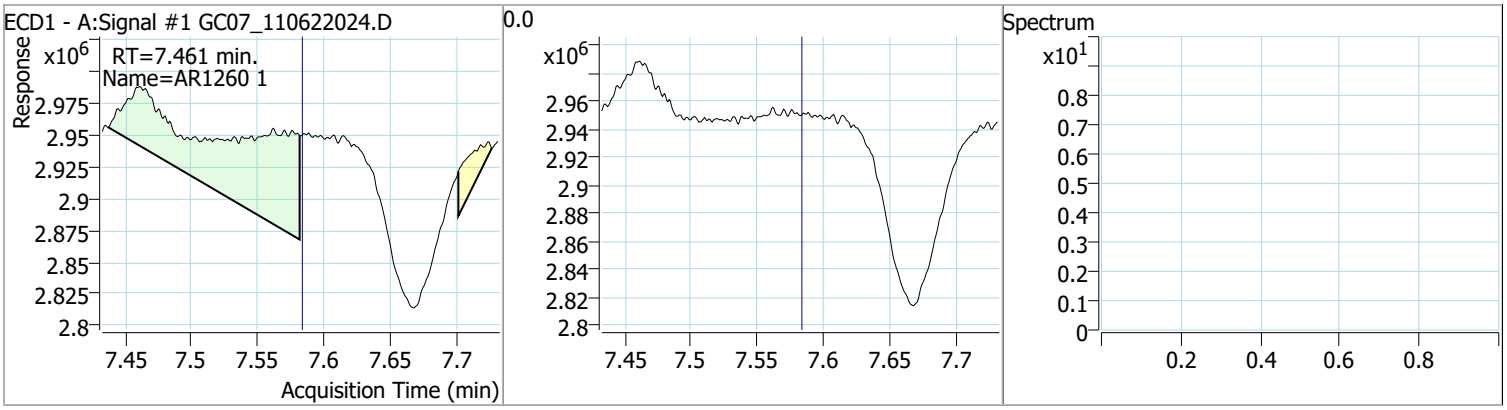
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.0986	6.41	0.03	4134				



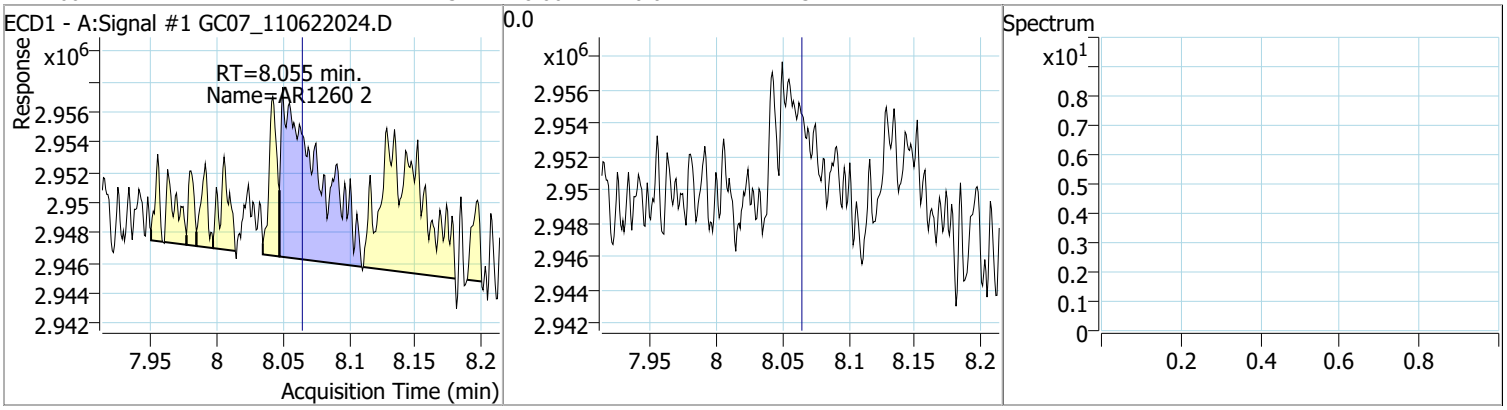
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.0498	6.97	0.01	3281				



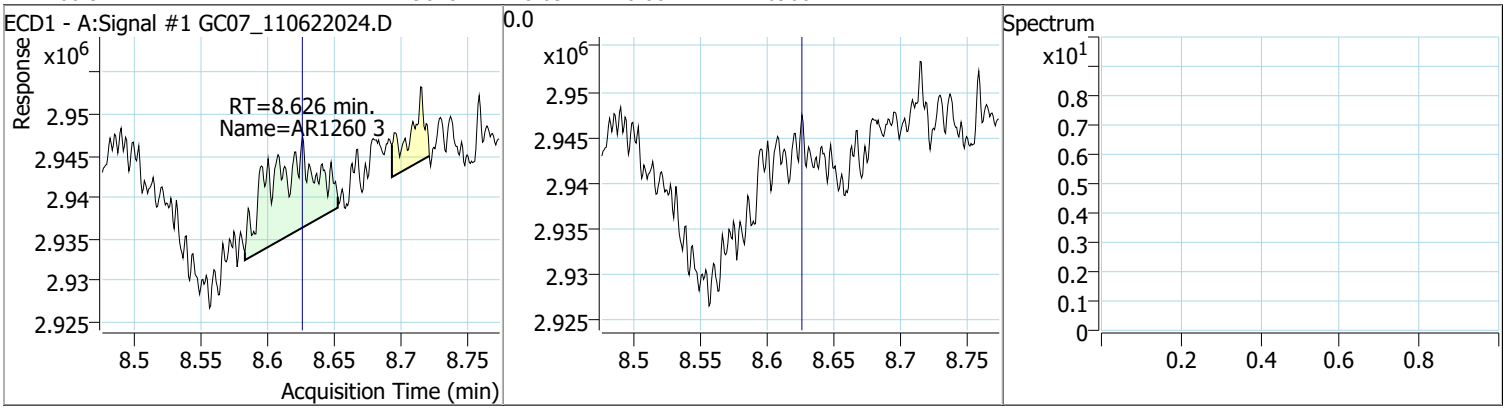
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	46.3099	7.46	-0.12	389482				



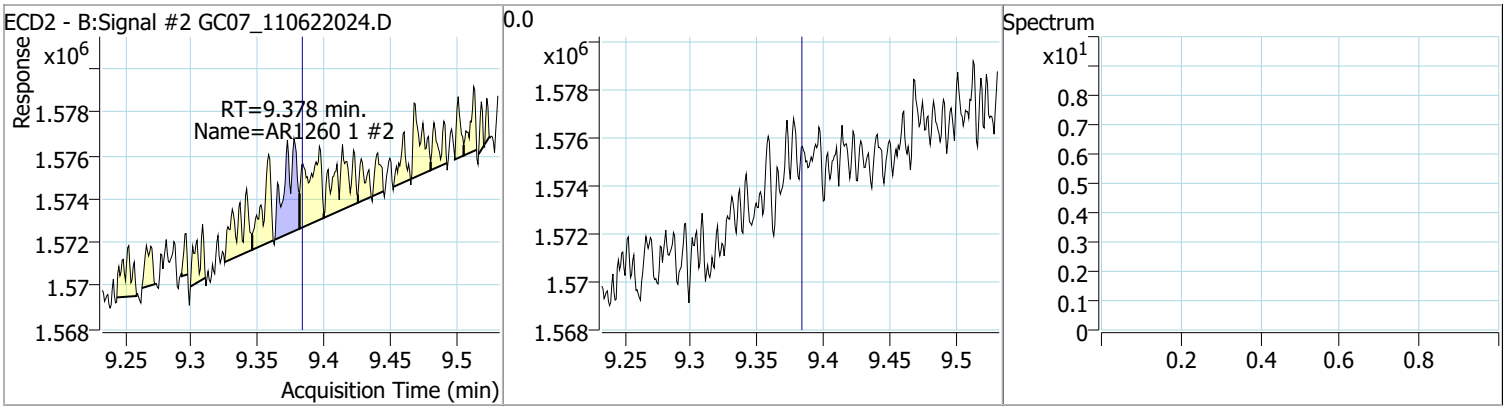
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.7123	8.06	-0.01	22273				



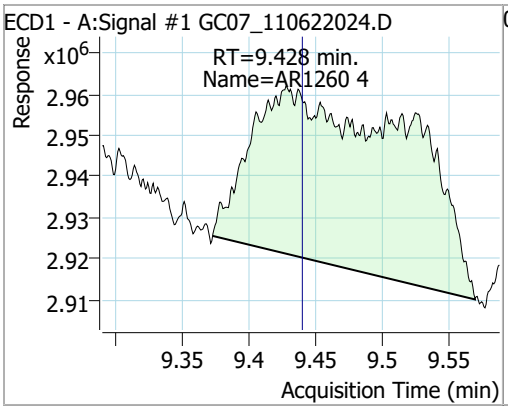
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1.9848	8.63	0.00	26900				

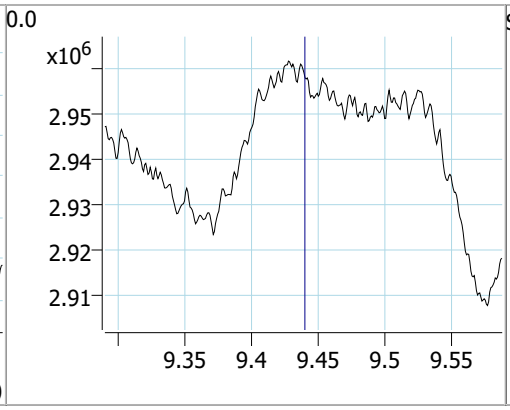


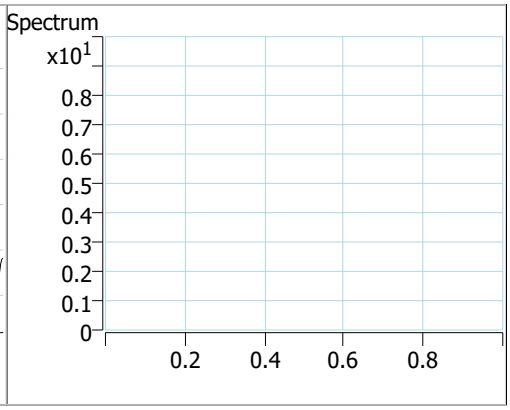
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.4525	9.38	0.00	2811				



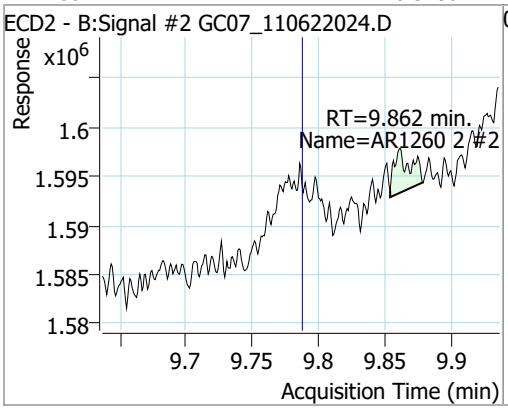
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	45.5776	9.43	-0.01	354701				

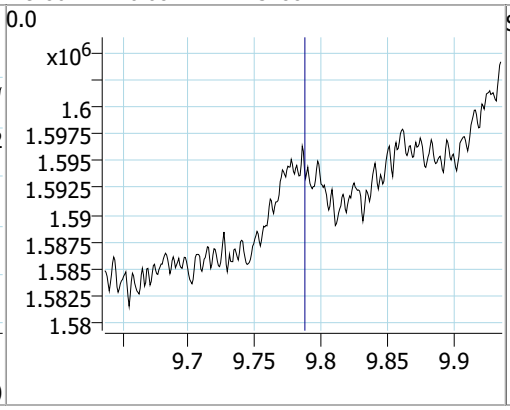


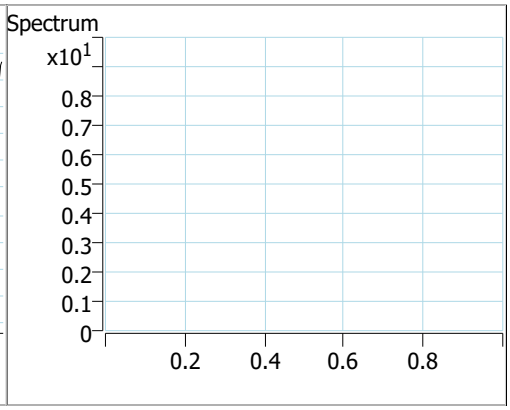




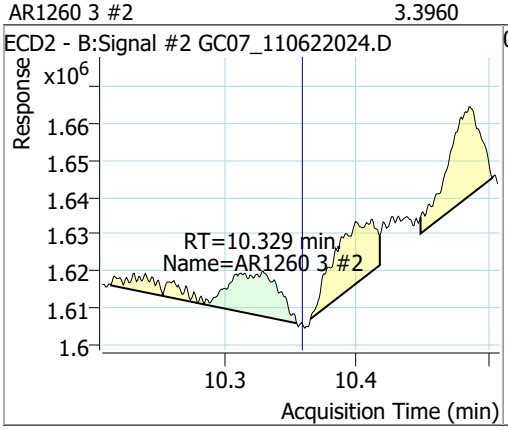
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.5186	9.86	0.08	3788				

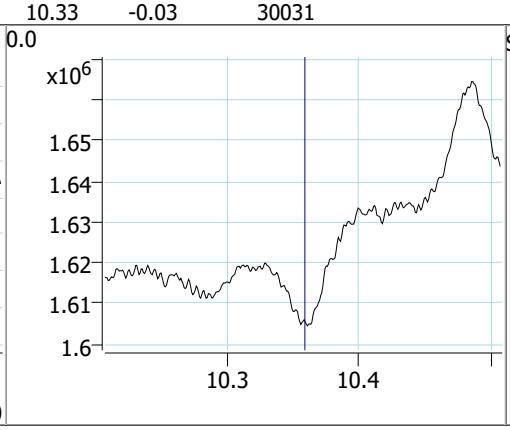


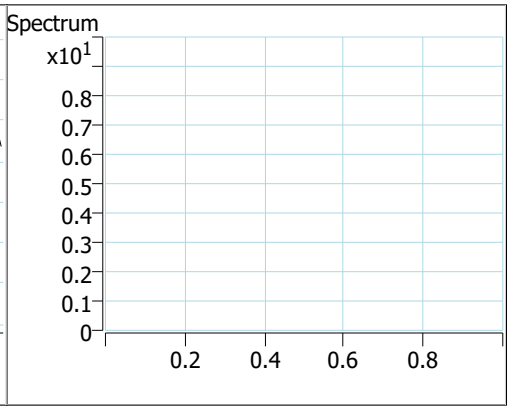




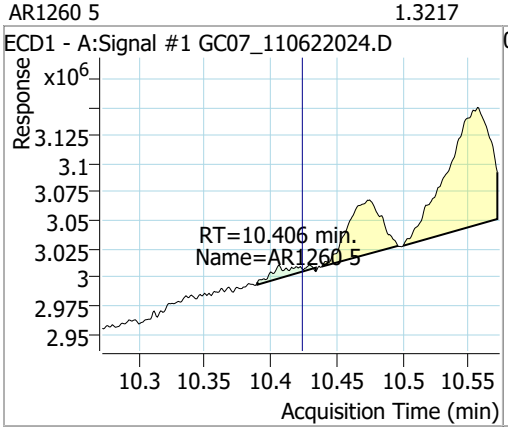
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.3960	10.33	-0.03	30031				

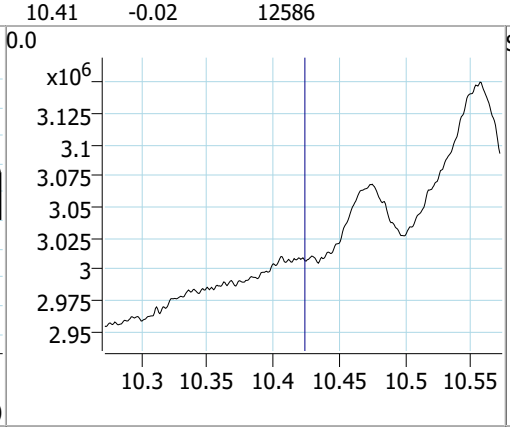


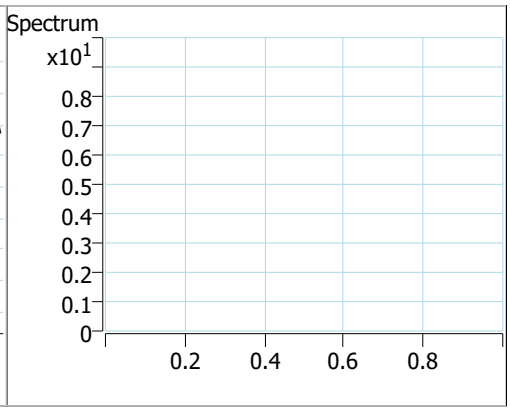




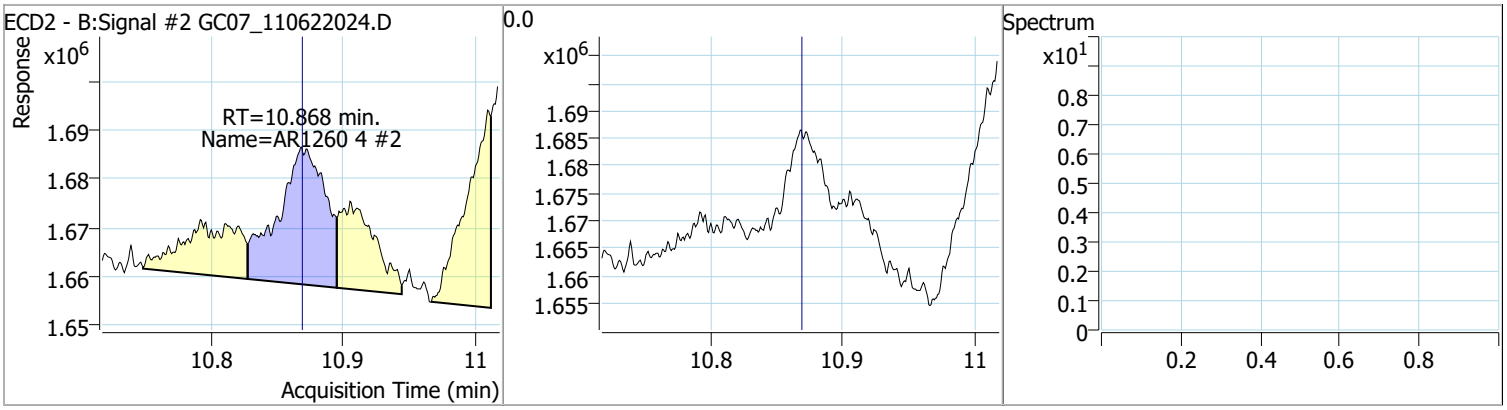
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1.3217	10.41	-0.02	12586				



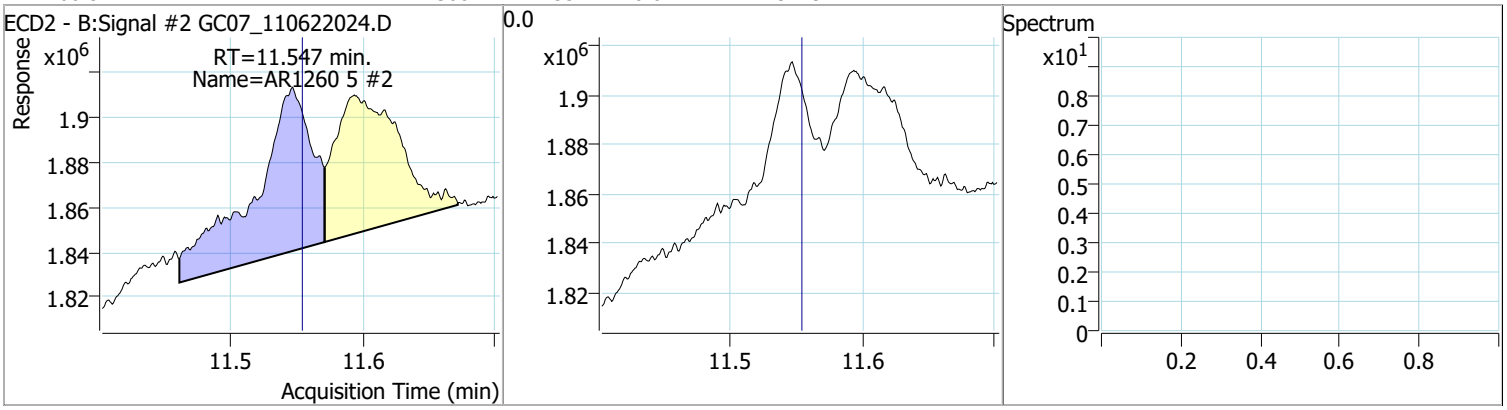




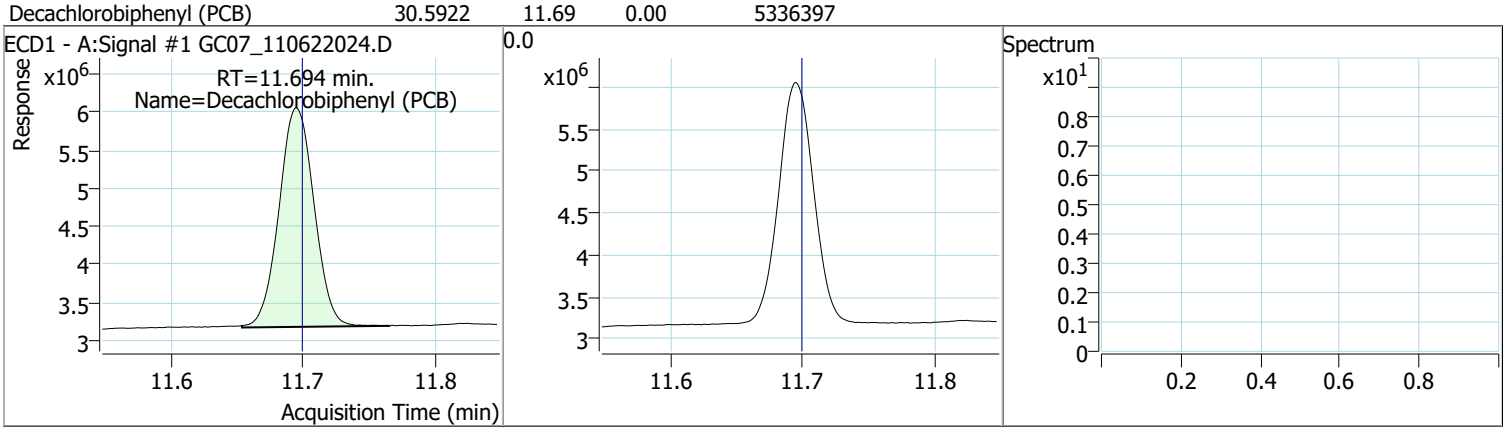
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	12.5929	10.87	0.00	71202				



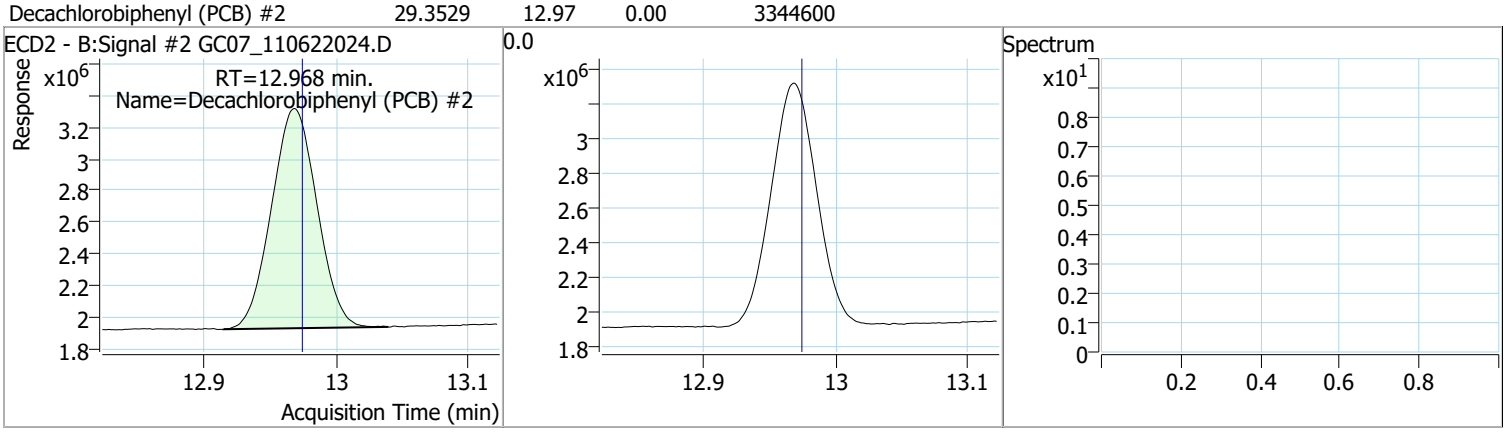
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	27.2360	11.55	-0.01	229279				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.5922	11.69	0.00	5336397				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.3529	12.97	0.00	3344600				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	471955-006	Client ID:	ARCH-C2W-PS-4.5-221101-P-G
Seqnum:	462447281025.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_110622025	Batch:	300277	Time:	06-NOV-2022 21:04
Cal:	462445893001	Caldate:	05-NOV-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	36.73	ug/L	~~0.73~~ ~~FP~~	0.79	8%	0.50		x u
Aroclor-1016 Peak # 1	A	138.4	ug/L	2.77	1.82	41%			
Aroclor-1016 Peak # 2	A	6.584	ug/L	0.13	0.16	19%			
Aroclor-1016 Peak # 3	A	28.55	ug/L	0.57	1.97	110%			
Aroclor-1016 Peak # 4	A	9.769	ug/L	0.20	0.01	178%			
Aroclor-1016 Peak # 5	A	0.3114	ug/L	0.01	0.01	4%			
Aroclor-1221	A			ND			0.50		u
Aroclor-1232	A			ND			0.50		u
Aroclor-1242	A			ND			**0.51**		**y** u
Aroclor-1248	A			ND			0.50		u
Aroclor-1254	A			ND			0.50		u
Aroclor-1260	A	39.10	ug/L	~~0.78~~ ~~FP~~	0.29	91%	0.50		x u
Aroclor-1260 Peak # 1	A	110.7	ug/L	2.21	0.01	198%			
Aroclor-1260 Peak # 2	A	0.8889	ug/L	0.02	0.05	91%			
Aroclor-1260 Peak # 3	A	4.285	ug/L	0.09	0.04	64%			
Aroclor-1260 Peak # 4	A	72.33	ug/L	1.45	0.45	105%			
Aroclor-1260 Peak # 5	A	7.276	ug/L	0.15	0.91	145%			
Aroclor-1262	A			ND			0.50		u
Aroclor-1268	A			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	34.45	pg/uL	1.000	0.6889	69	52-186	u
Decachlorobiphenyl (PCB)	A	31.29	pg/uL	1.000	0.6258	63	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_110622004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2140965	1715355	-19.88
1-bromo-2-nitrobenzene (PCB)	A	3447381	2890987	-16.14

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

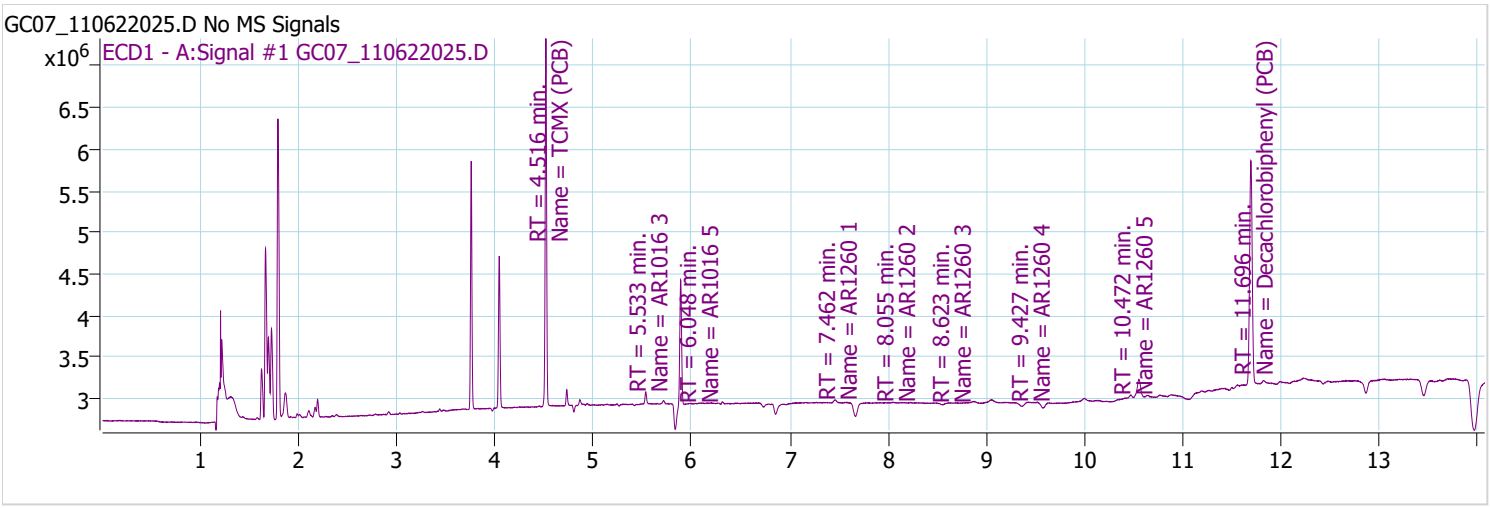
ISTD (CCV gc07_110622004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.02	4.02	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.76	3.76	0.00

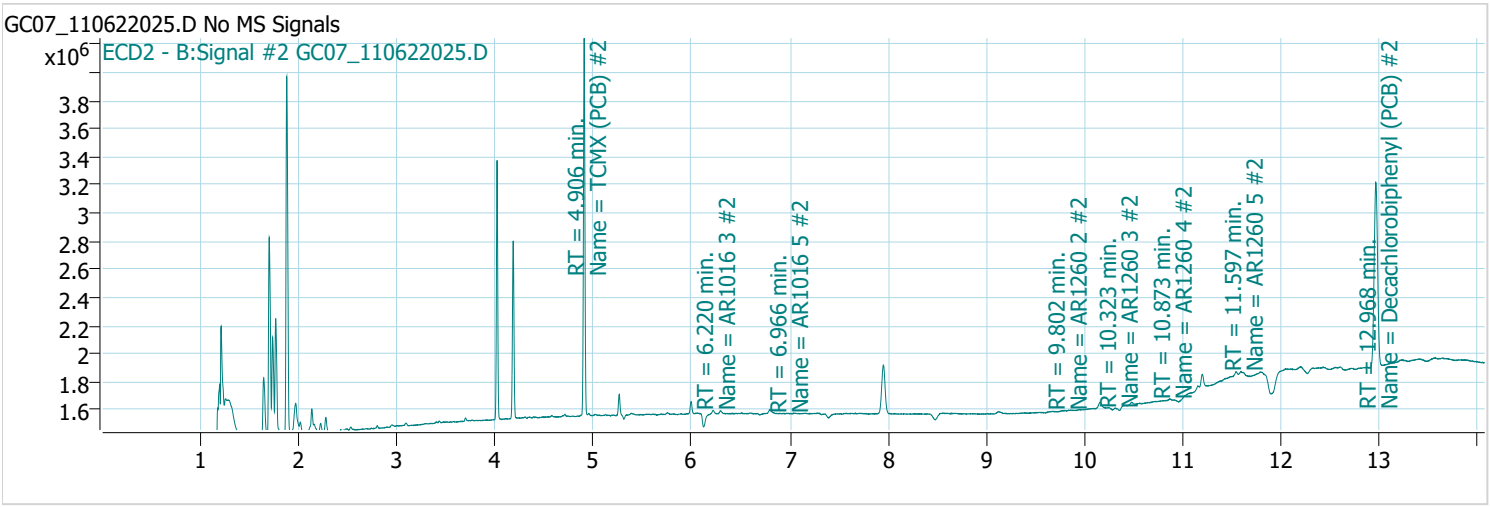
u=use x=false positive y=RL raised

Analyst: TRN 11/09/22 **Reviewer:** LW 11/09/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_110622025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/6/2022 9:04:26 PM
Sample Name	471955-006, 300277, 1	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	WIPE/1DM^2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	110622PCB.batch.bin	Last Calib Update	11/6/2022 4:04:27 PM
Ref Library			



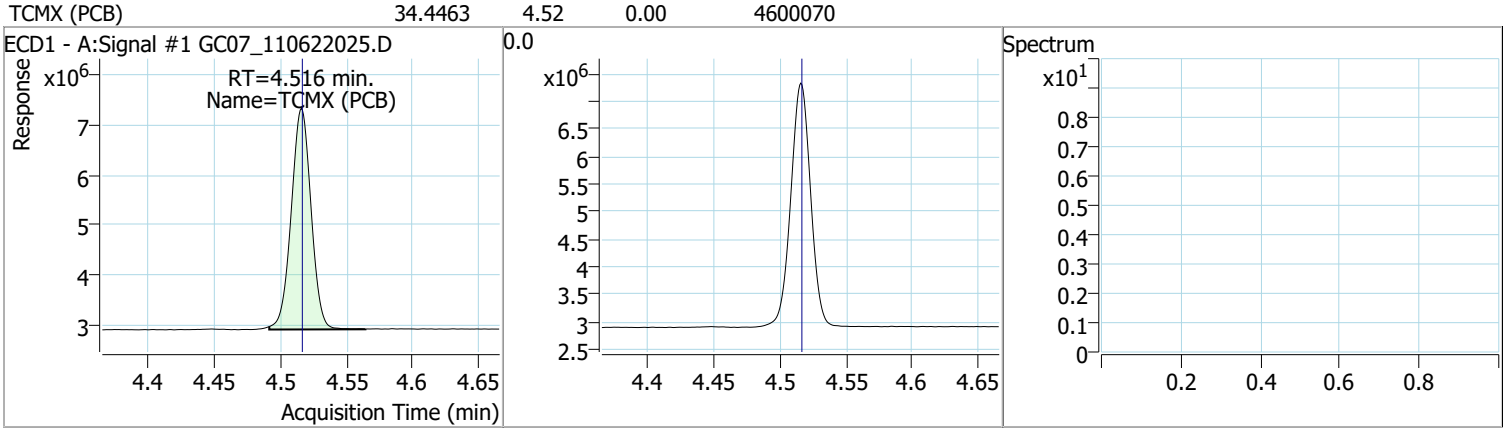


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.756	0.0	2890986.875	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.018	0.0	1715354.727	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.516	0.0	4600070.311	34.4463	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.23%		*	
S TCMX (PCB) #2	4.906	0.0	2863234.151	36.0689	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.34%		*	
S Decachlorobiphenyl (PCB)	11.696	0.0	5513685.650	31.2902	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 156.45%		*	
S Decachlorobiphenyl (PCB) #2	12.968	0.0	3227019.181	31.0753	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 155.38%		*	
Target Compounds							QValue

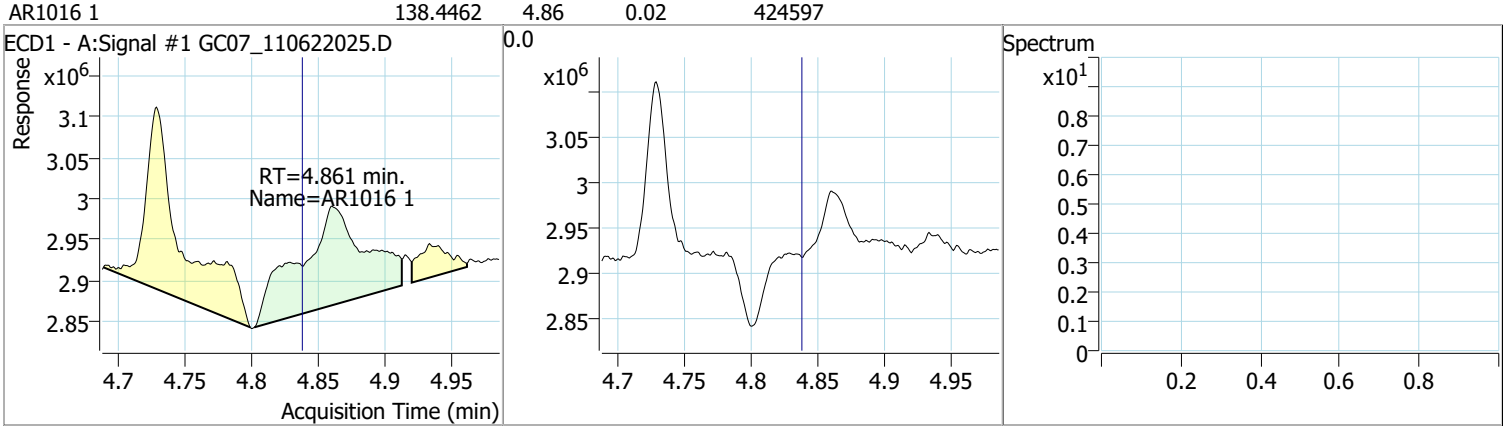
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.861	0.0	424596.509	138.4462	ng/ml	100
T AR1016 2	5.138	0.0	41333.481	6.5840	ng/ml	100
T AR1016 1 #2	5.384	0.0	169562.637	90.9326	ng/ml	100
T AR1016 3	5.533	0.0	216989.593	28.5540	ng/ml	100
T AR1016 4	5.713	0.0	53464.031	9.7694	ng/ml	100
T AR1016 2 #2	5.754	0.0	31581.980	7.9437	ng/ml	100
T AR1016 5	6.048	0.0	1404.165	0.3114	ng/ml	100
T AR1016 3 #2	6.220	0.0	482560.008	98.6893	ng/ml	100
T AR1016 4 #2	6.384	0.0	1953.565	0.5697	ng/ml	100
T AR1016 5 #2	6.966	0.0	851.630	0.2990	ng/ml	100
T AR1260 1	7.462	0.0	940581.569	110.7101	ng/ml	100
T AR1260 2	8.055	0.0	11680.692	0.8889	ng/ml	100
T AR1260 3	8.623	0.0	58673.546	4.2855	ng/ml	100
T AR1260 1 #2	9.385	0.0	2658.684	0.4696	ng/ml	100
T AR1260 4	9.427	0.0	568643.674	72.3325	ng/ml	100
T AR1260 2 #2	9.802	0.0	15869.249	2.3841	ng/ml	100
T AR1260 3 #2	10.323	0.0	17777.035	2.2058	ng/ml	100
T AR1260 5	10.472	0.0	69996.887	7.2765	ng/ml	100
T AR1260 4 #2	10.873	0.0	116161.728	22.5426	ng/ml	100
T AR1260 5 #2	11.597	0.0	349927.423	45.6105	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

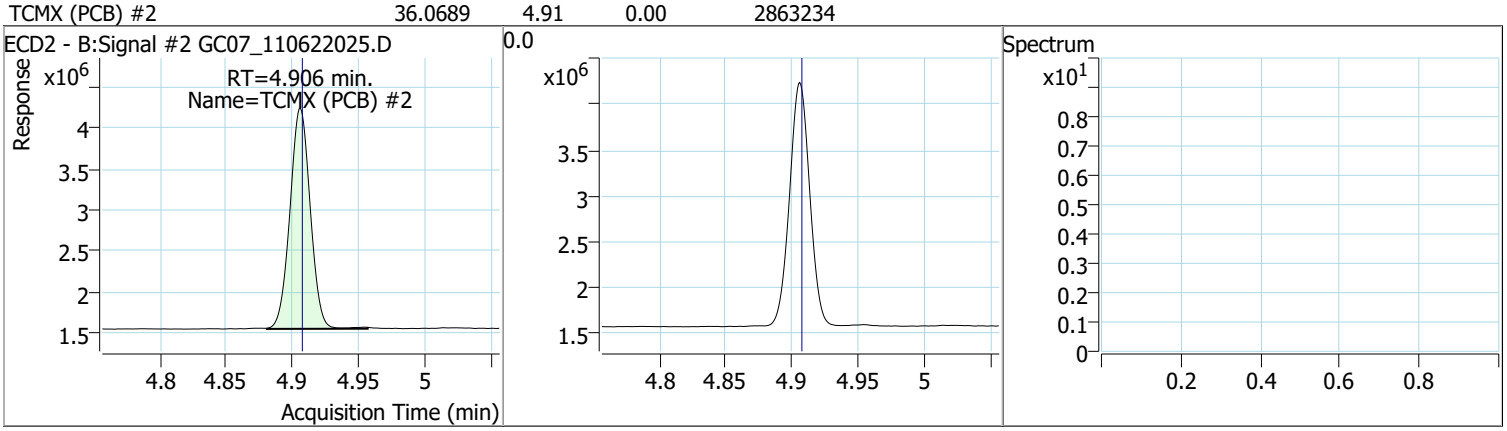
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.4463	4.52	0.00	4600070				



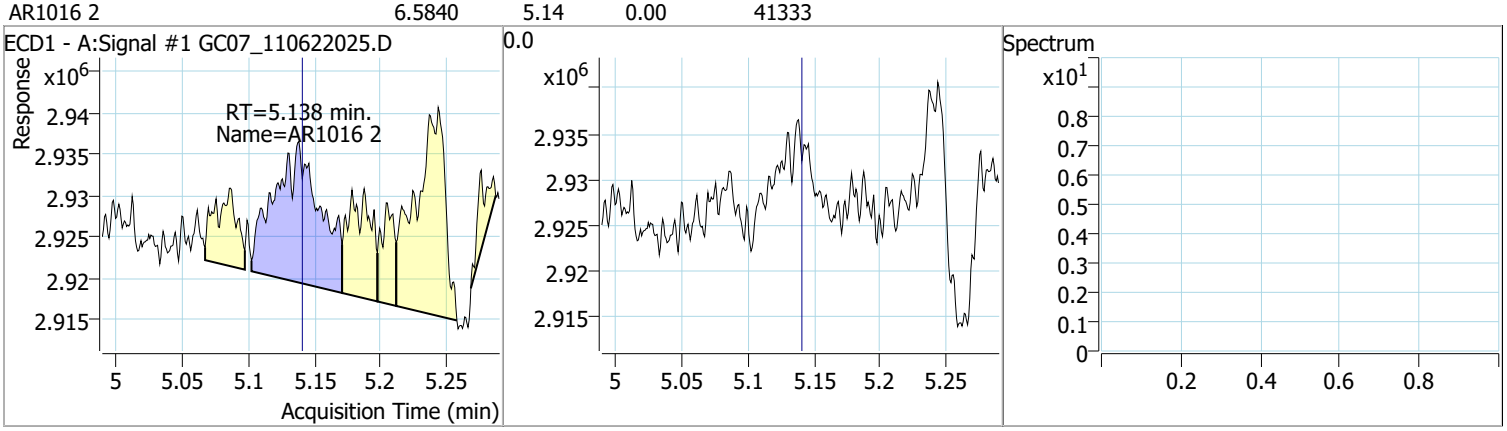
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	138.4462	4.86	0.02	424597				



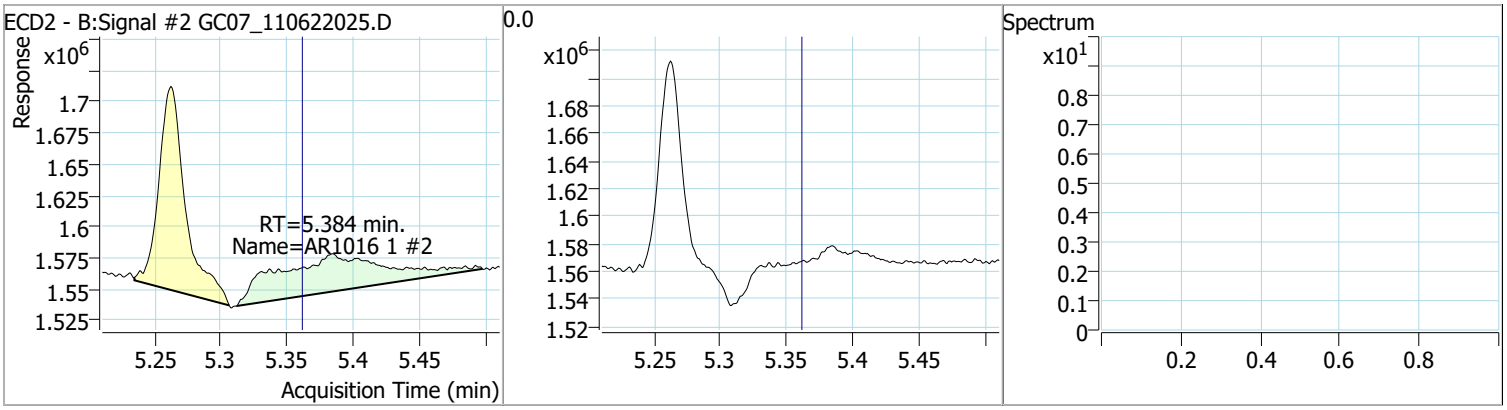
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.0689	4.91	0.00	2863234				



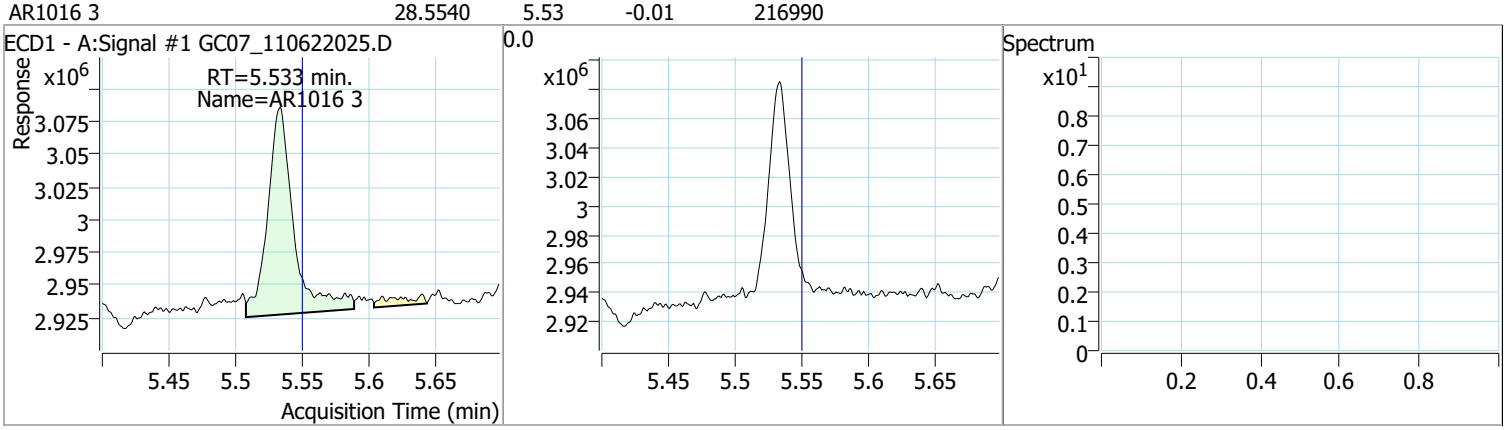
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	6.5840	5.14	0.00	41333				



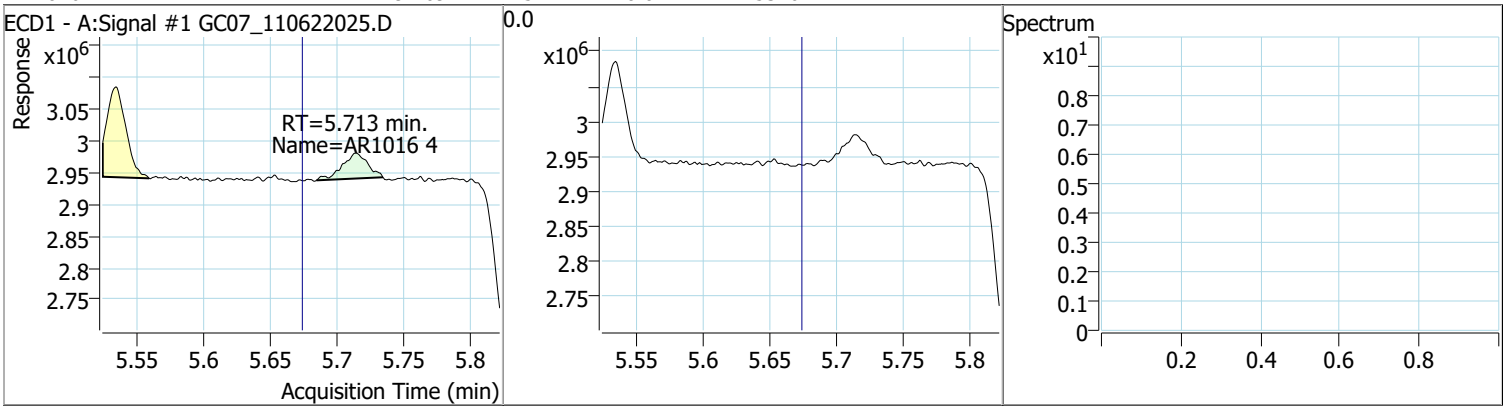
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	90.9326	5.38	0.02	169563				



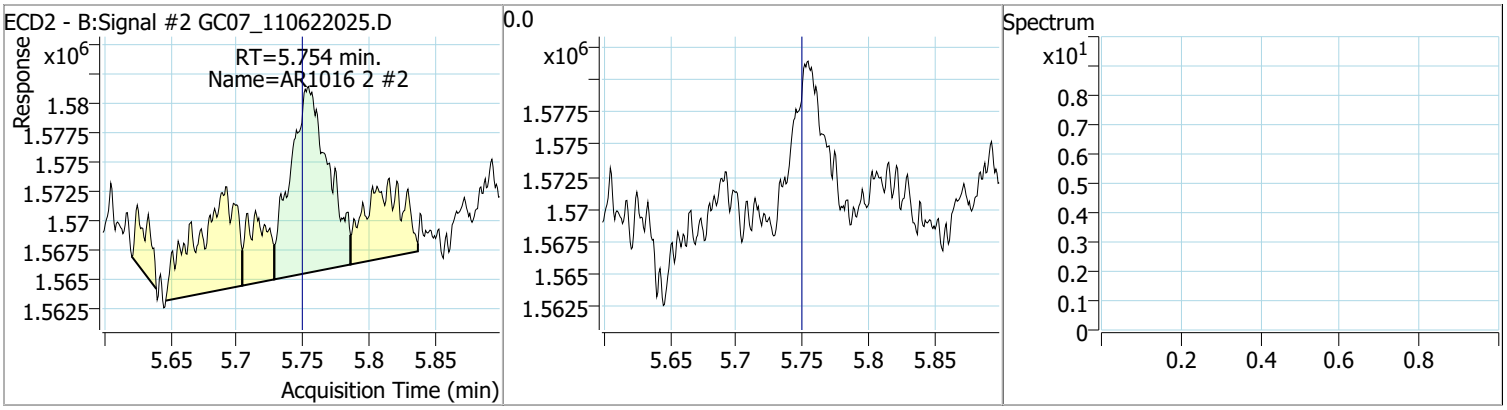
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	28.5540	5.53	-0.01	216990				



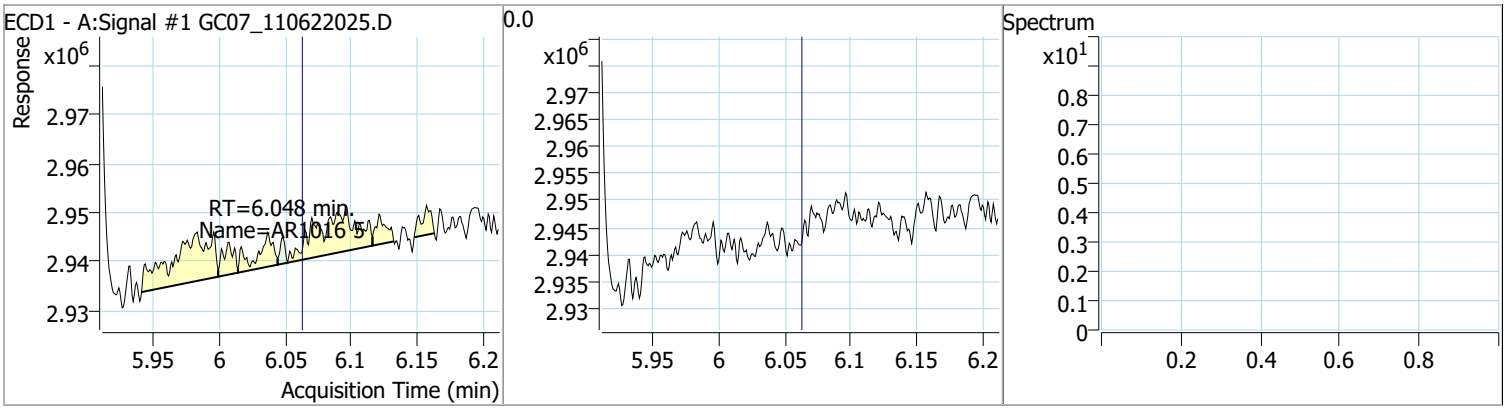
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	9.7694	5.71	0.04	53464				



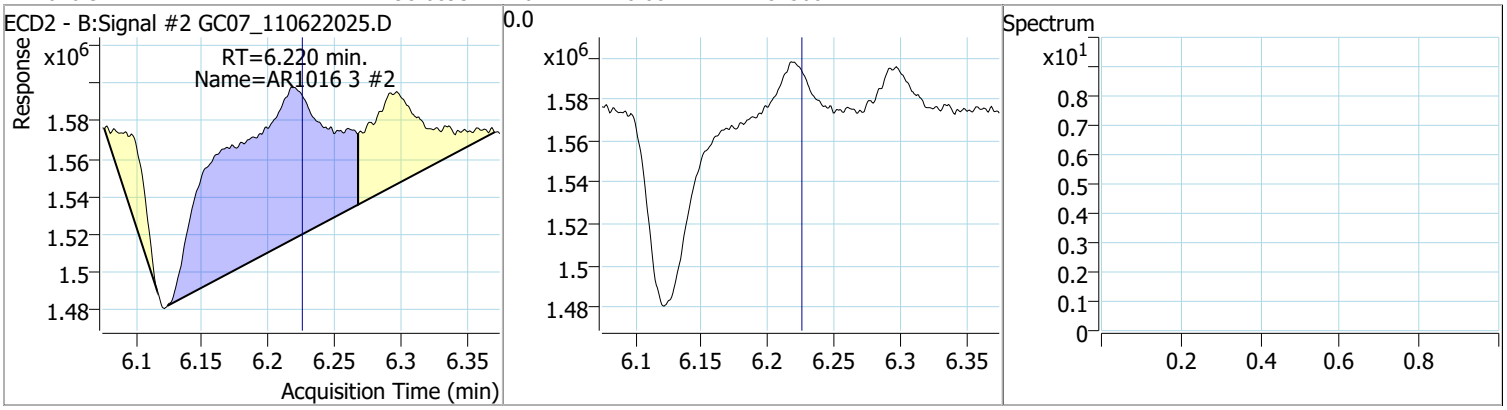
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	7.9437	5.75	0.01	31582				



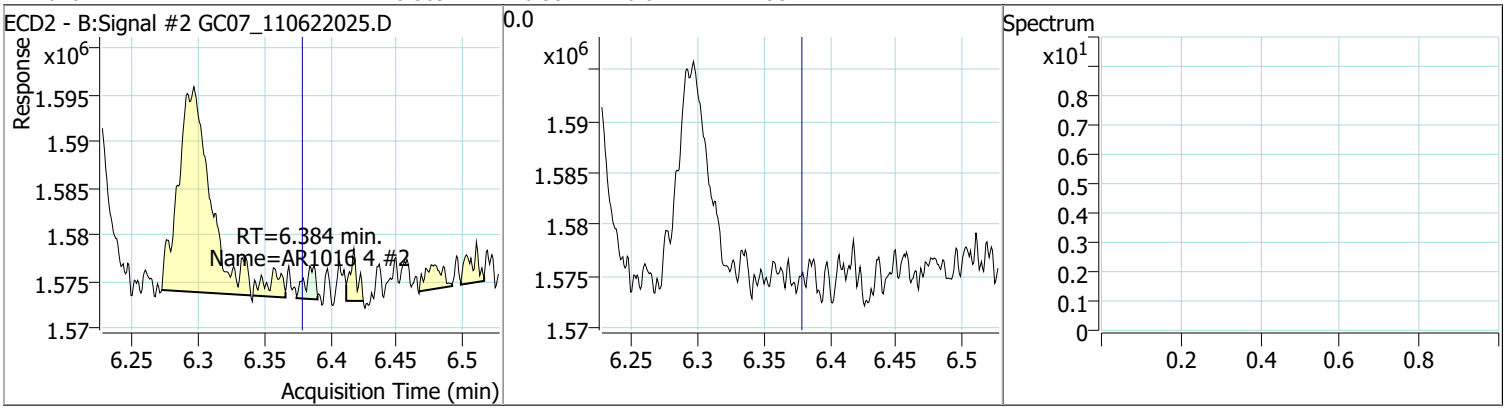
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	0.3114	6.05	-0.01	1404				



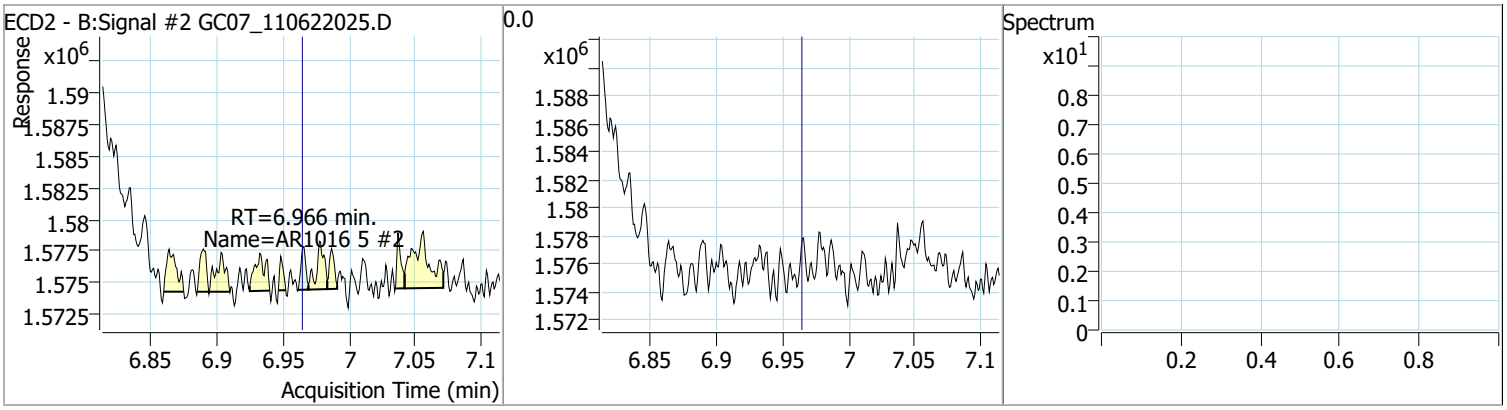
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	98.6893	6.22	0.00	482560				



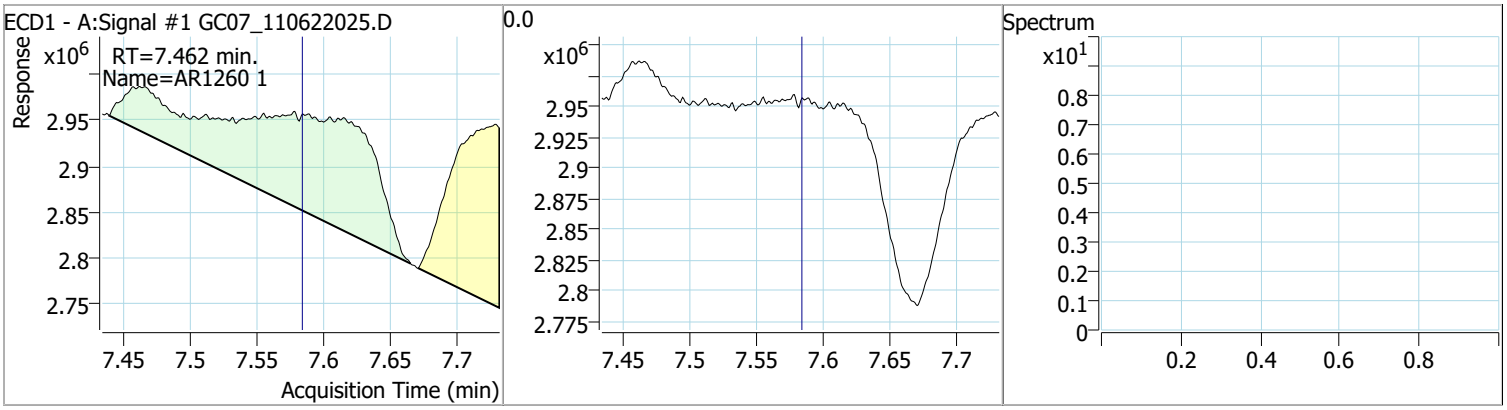
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.5697	6.38	0.01	1954				



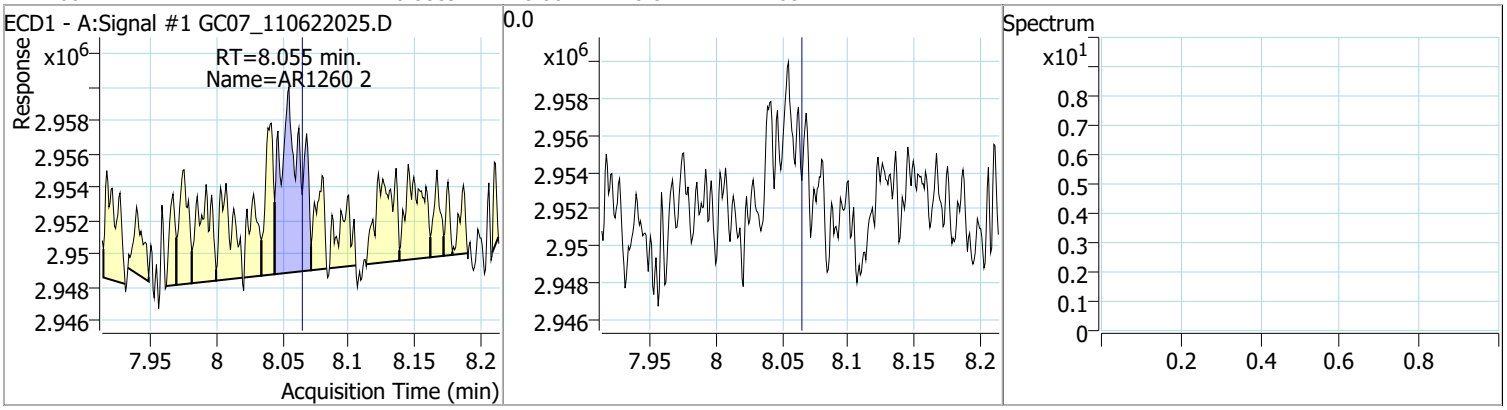
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.2990	6.97	0.00	852				



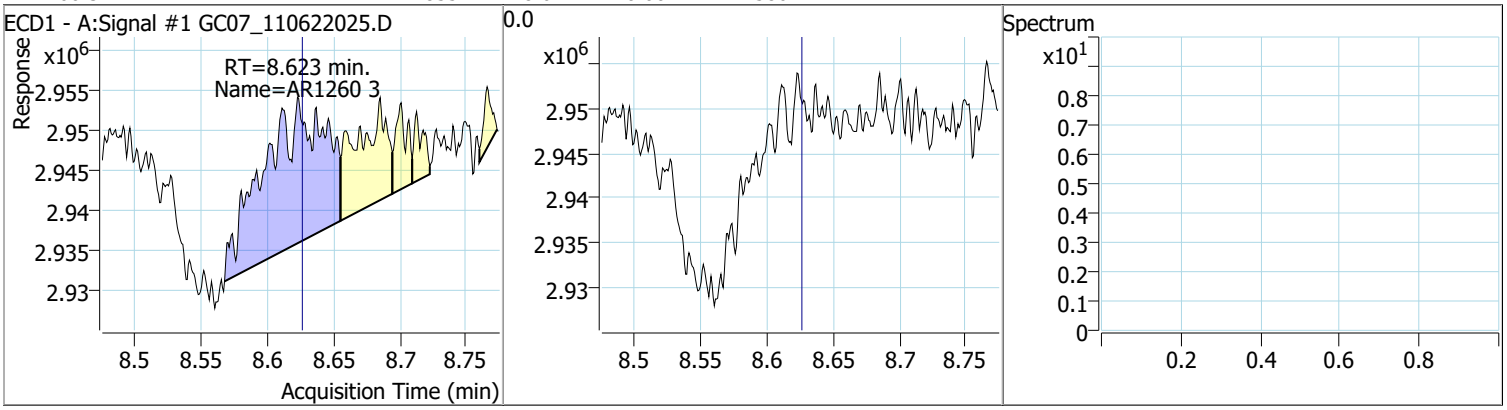
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	110.7101	7.46	-0.12	940582				



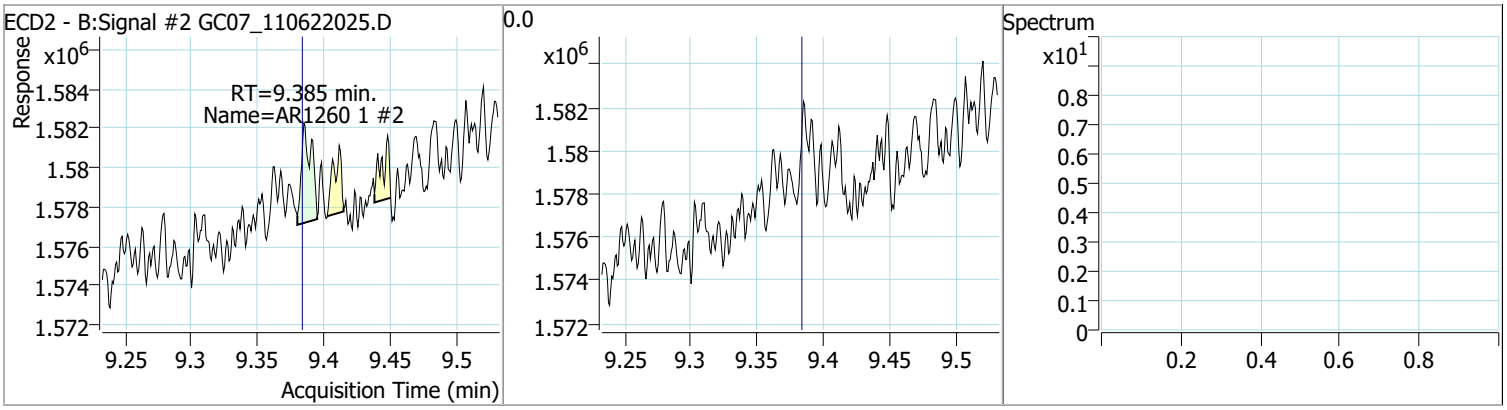
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.8889	8.06	-0.01	11681				



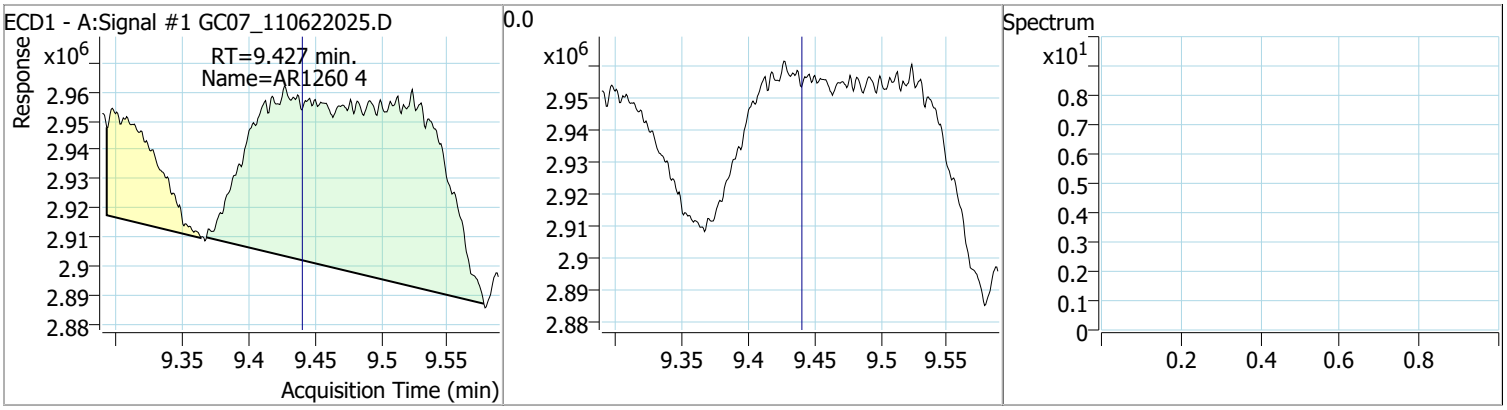
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.2855	8.62	0.00	58674				



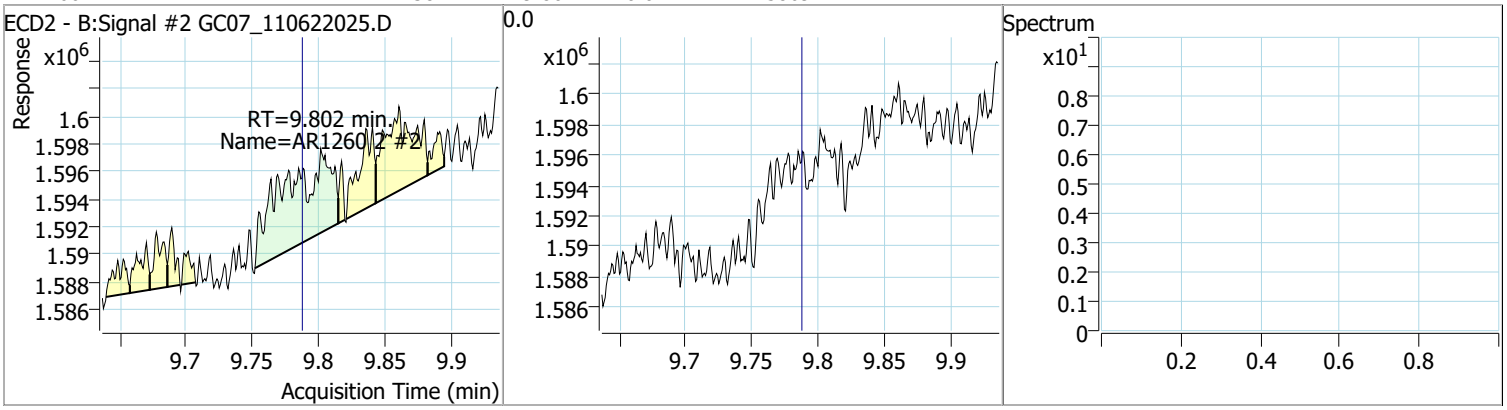
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.4696	9.39	0.00	2659				



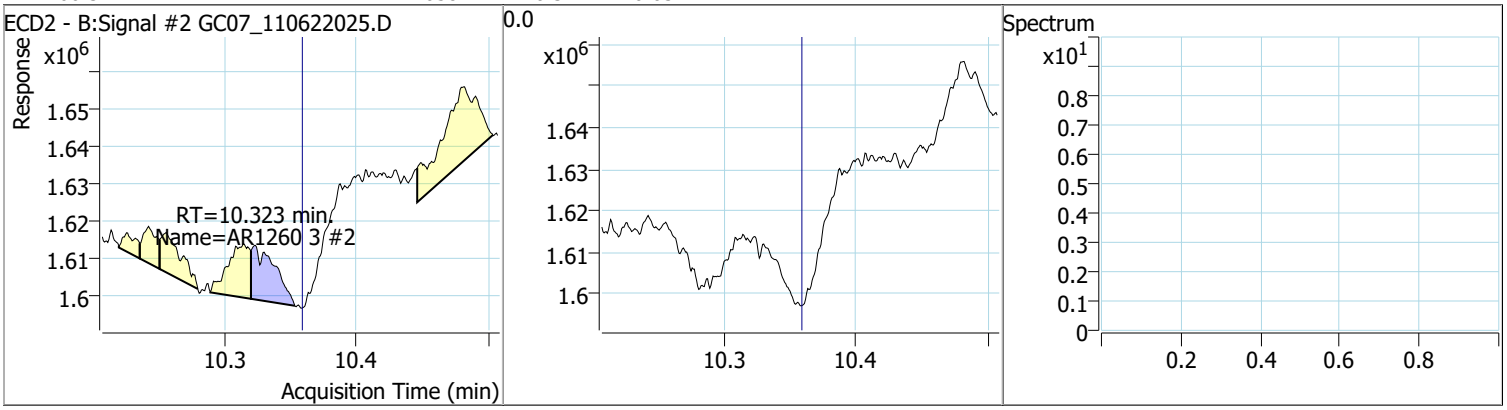
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	72.3325	9.43	-0.01	568644				



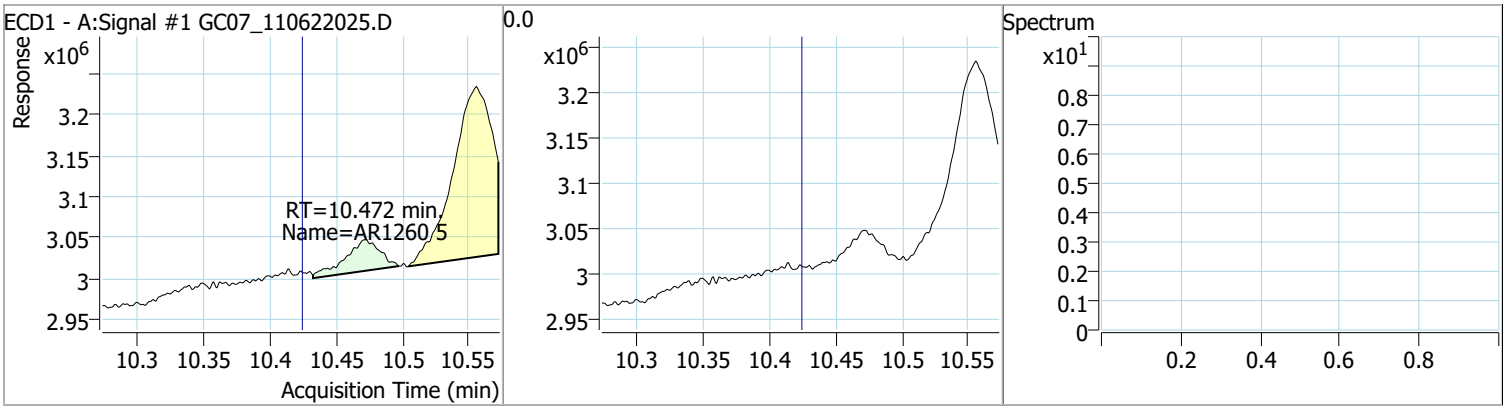
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.3841	9.80	0.02	15869				



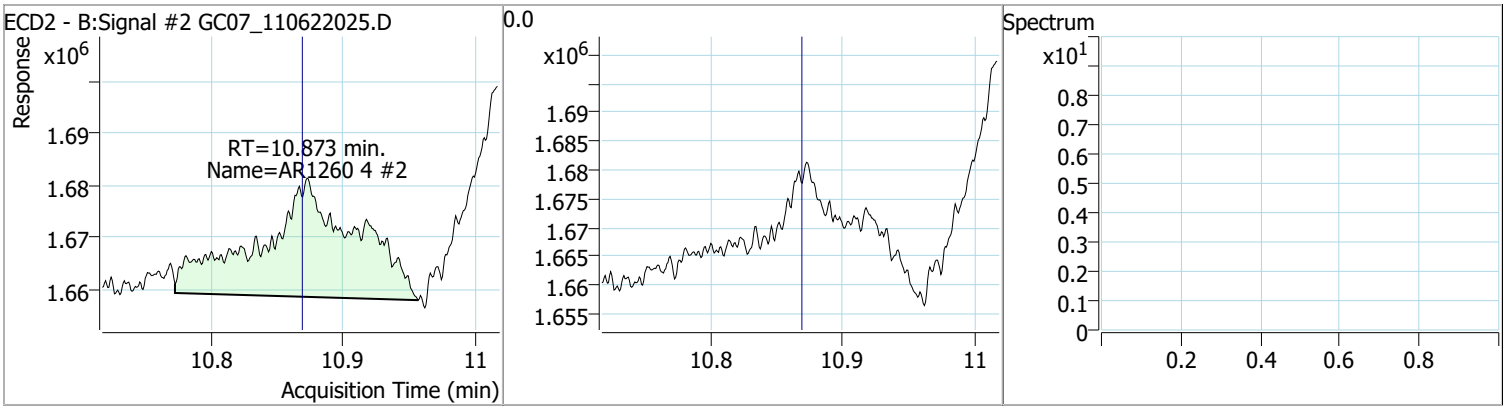
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	2.2058	10.32	-0.03	17777				



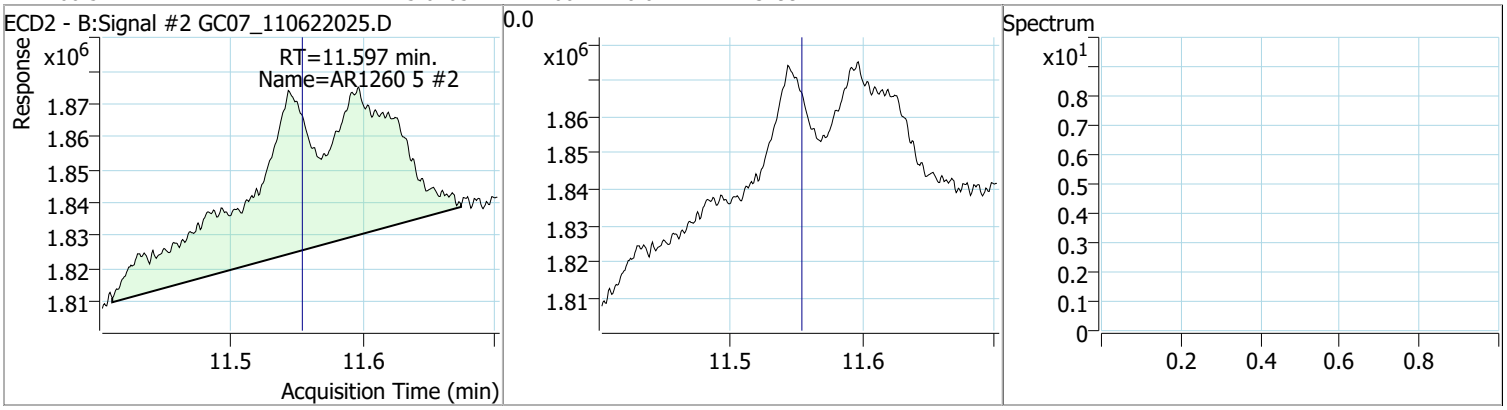
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	7.2765	10.47	0.05	69997				



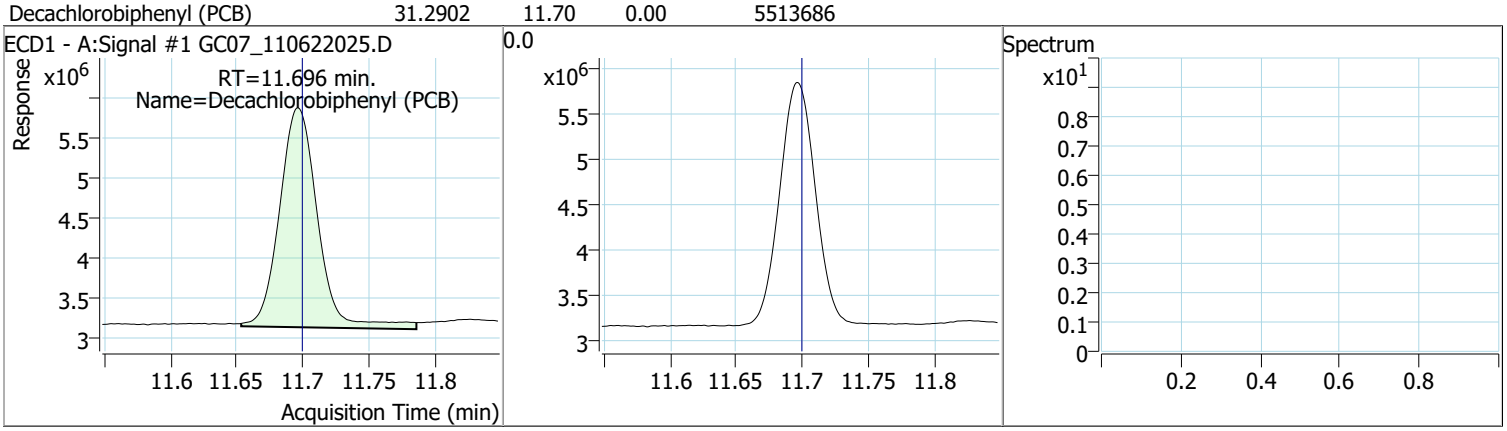
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	22.5426	10.87	0.01	116162				



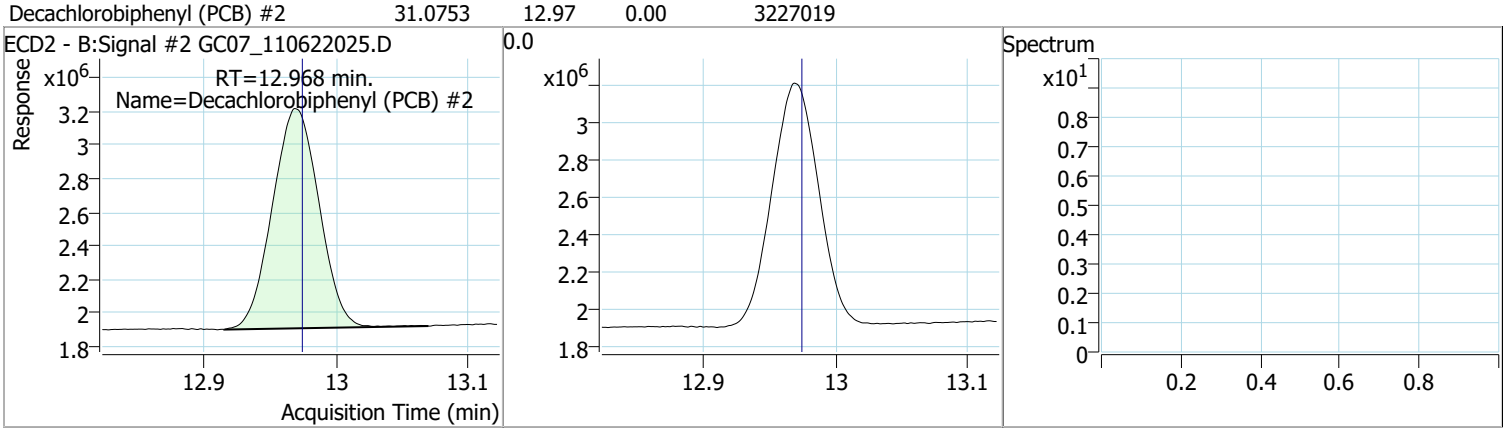
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	45.6105	11.60	0.04	349927				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	31.2902	11.70	0.00	5513686				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	31.0753	12.97	0.00	3227019				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	471955-008	Client ID:	ARCH-C2W-INT-4.5 TO 5.5-221101-P-WF
Seqnum:	462447281026.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_110622026	Batch:	300277	Time:	06-NOV-2022 21:21
Cal:	462445893001	Caldate:	05-NOV-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	83.12	ug/L	~~1.7~~ FP	1.1	40%	0.50		x u
Aroclor-1016 Peak # 1	A	337.3	ug/L	6.75	3.30	69%			
Aroclor-1016 Peak # 2	A	20.54	ug/L	0.41	0.27	41%			
Aroclor-1016 Peak # 3	A	35.59	ug/L	0.71	1.90	91%			
Aroclor-1016 Peak # 4	A	11.03	ug/L	0.22	0.02	173%			
Aroclor-1016 Peak # 5	A	11.17	ug/L	0.22	0.04	144%			
Aroclor-1221	A			ND			0.50		u
Aroclor-1232	A			ND			0.50		u
Aroclor-1242	A			ND			**0.51**		**y** u
Aroclor-1248	A			ND			0.50		u
Aroclor-1254	A			ND			0.50		u
Aroclor-1260	A	29.90	ug/L	~~0.60~~ FP	0.24	86%	0.50		x u
Aroclor-1260 Peak # 1	A	82.67	ug/L	1.65	0.02	196%			
Aroclor-1260 Peak # 2	A	3.013	ug/L	0.06	0.07	13%			
Aroclor-1260 Peak # 3	A	2.984	ug/L	0.06	0.05	14%			
Aroclor-1260 Peak # 4	A	50.05	ug/L	1.00	0.46	74%			
Aroclor-1260 Peak # 5	A	10.77	ug/L	0.22	0.59	93%			
Aroclor-1262	A			ND			0.50		u
Aroclor-1268	A			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	34.70	pg/uL	1.000	0.6940	69	52-186	u
Decachlorobiphenyl (PCB)	A	30.86	pg/uL	1.000	0.6173	62	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_110622004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2140965	1874944	-12.43
1-bromo-2-nitrobenzene (PCB)	A	3447381	2872776	-16.67

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

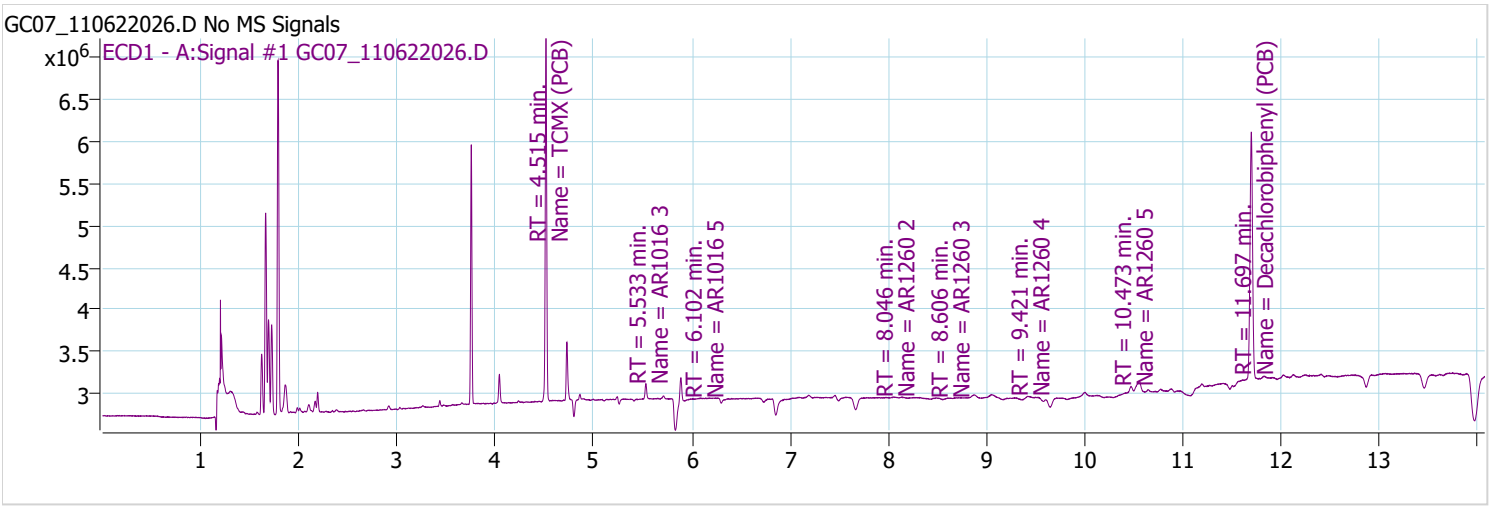
ISTD (CCV gc07_110622004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.02	4.02	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.76	3.76	0.00

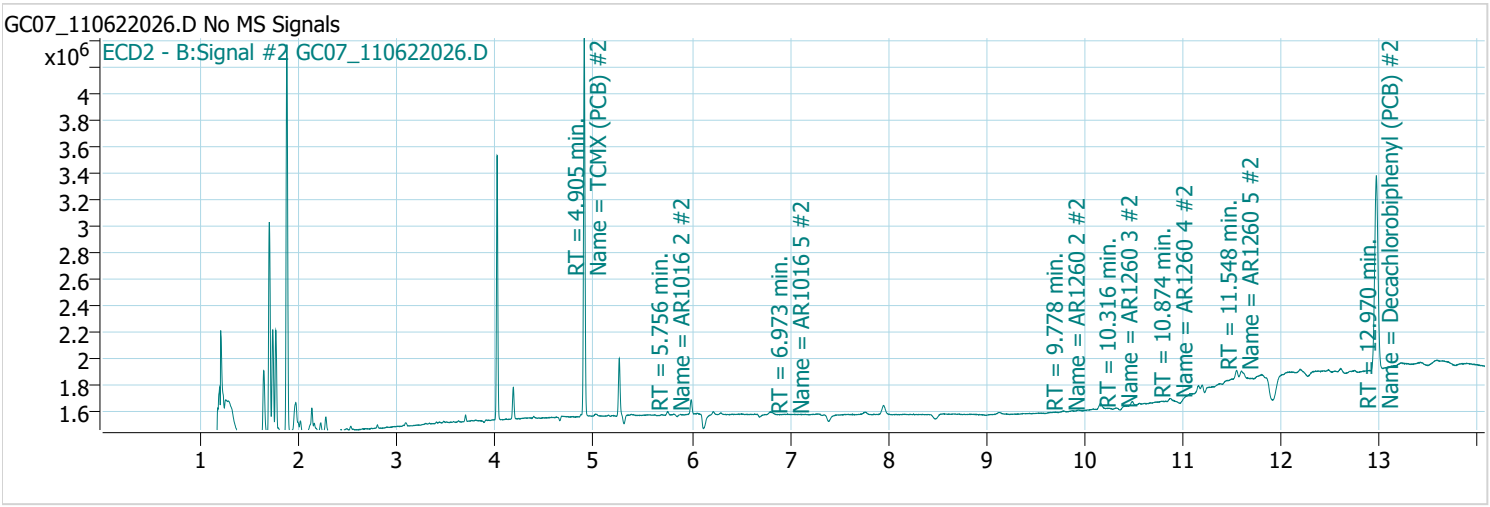
u=use x=false positive y=RL raised

Analyst: TRN 11/09/22 **Reviewer:** LW 11/09/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_110622026.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/6/2022 9:21:51 PM
Sample Name	471955-008, 300277, 1	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	WIPE/1DM^2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	110622PCB.batch.bin	Last Calib Update	11/6/2022 4:04:27 PM
Ref Library			



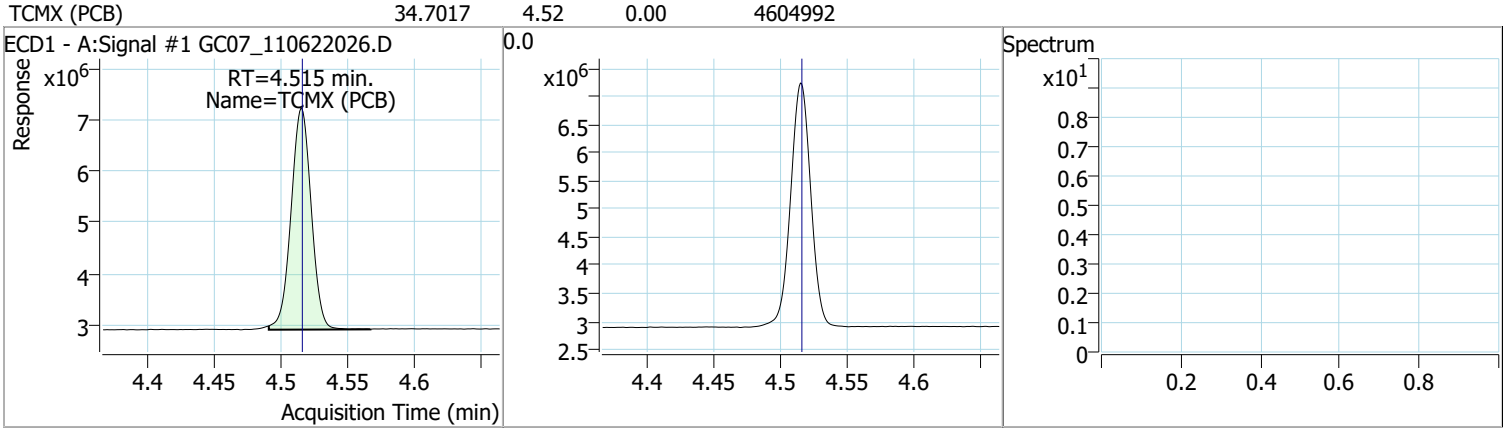


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.755	0.0	2872775.600	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.018	0.0	1874944.275	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.515	0.0	4604991.647	34.7017	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 173.51%		*	
S TCMX (PCB) #2	4.905	0.0	3057038.675	35.2325	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.16%		*	
S Decachlorobiphenyl (PCB)	11.697	0.0	5404367.118	30.8643	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 154.32%		*	
S Decachlorobiphenyl (PCB) #2	12.970	0.0	3451841.184	30.4110	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 152.05%		*	
Target Compounds							QValue

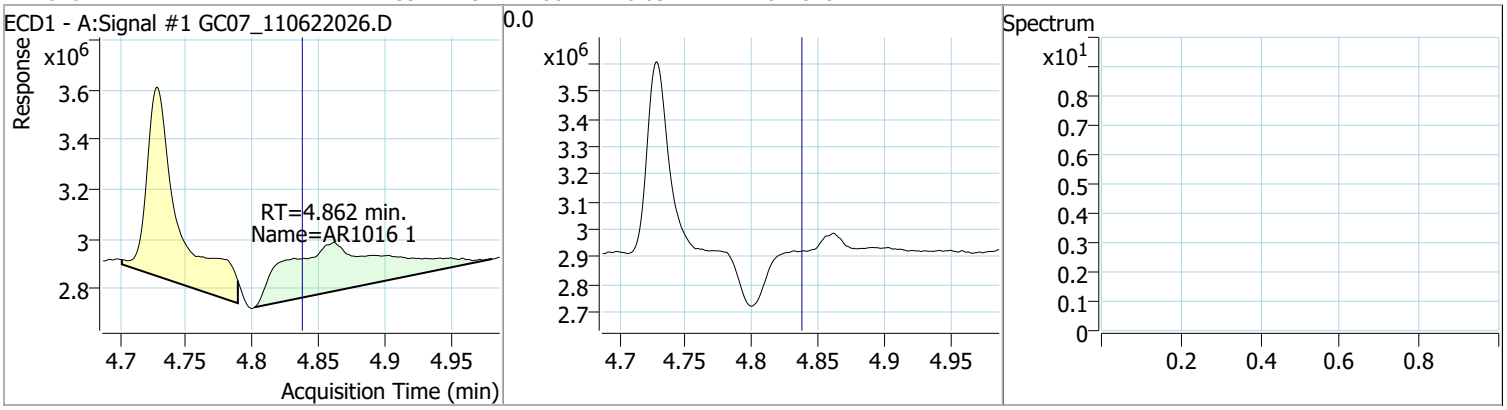
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.862	0.0	1027870.122	337.2773	ng/ml	100
T AR1016 2	5.170	0.0	128135.362	20.5402	ng/ml	100
T AR1016 1 #2	5.384	0.0	335806.109	164.7569	ng/ml	100
T AR1016 3	5.533	0.0	268777.824	35.5931	ng/ml	100
T AR1016 4	5.713	0.0	60009.231	11.0349	ng/ml	100
T AR1016 2 #2	5.756	0.0	58661.250	13.4989	ng/ml	100
T AR1016 5	6.102	0.0	50059.227	11.1707	ng/ml	100
T AR1016 3 #2	6.221	0.0	507222.377	94.9036	ng/ml	100
T AR1016 4 #2	6.363	0.0	3034.419	0.8096	ng/ml	100
T AR1016 5 #2	6.973	0.0	5661.181	1.8186	ng/ml	100
T AR1260 1	7.586	0.0	697902.380	82.6666	ng/ml	100
T AR1260 2	8.046	0.0	39338.295	3.0127	ng/ml	100
T AR1260 3	8.606	0.0	40594.737	2.9838	ng/ml	100
T AR1260 1 #2	9.369	0.0	5232.721	0.8455	ng/ml	100
T AR1260 4	9.421	0.0	390978.993	50.0485	ng/ml	100
T AR1260 2 #2	9.778	0.0	24980.252	3.4335	ng/ml	100
T AR1260 3 #2	10.316	0.0	22948.443	2.6051	ng/ml	100
T AR1260 5	10.473	0.0	102987.406	10.7739	ng/ml	100
T AR1260 4 #2	10.874	0.0	130167.013	23.1104	ng/ml	100
T AR1260 5 #2	11.548	0.0	247266.387	29.4861	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

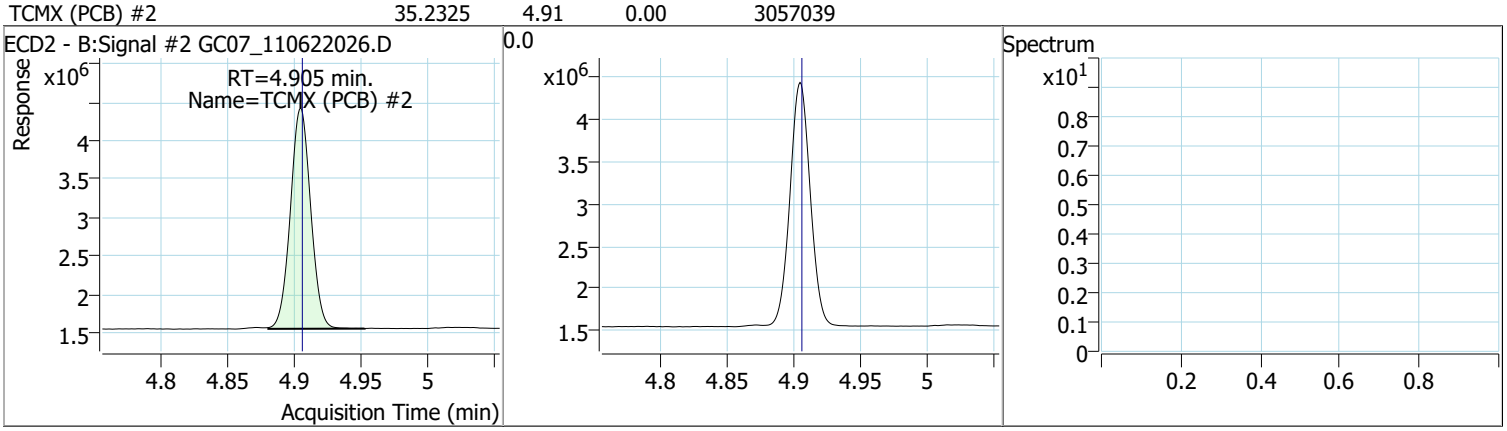
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.7017	4.52	0.00	4604992				



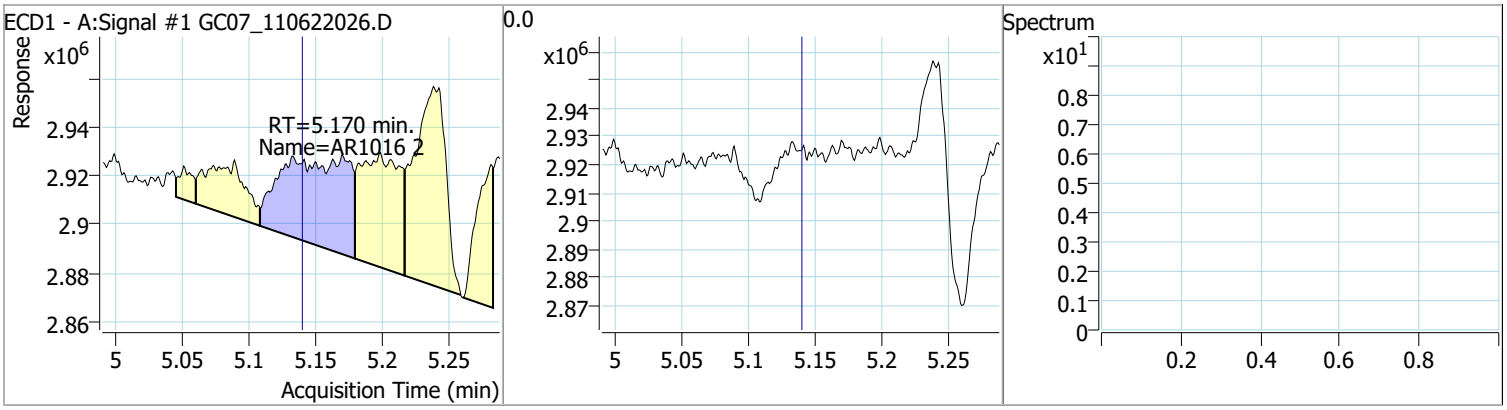
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	337.2773	4.86	0.03	1027870				



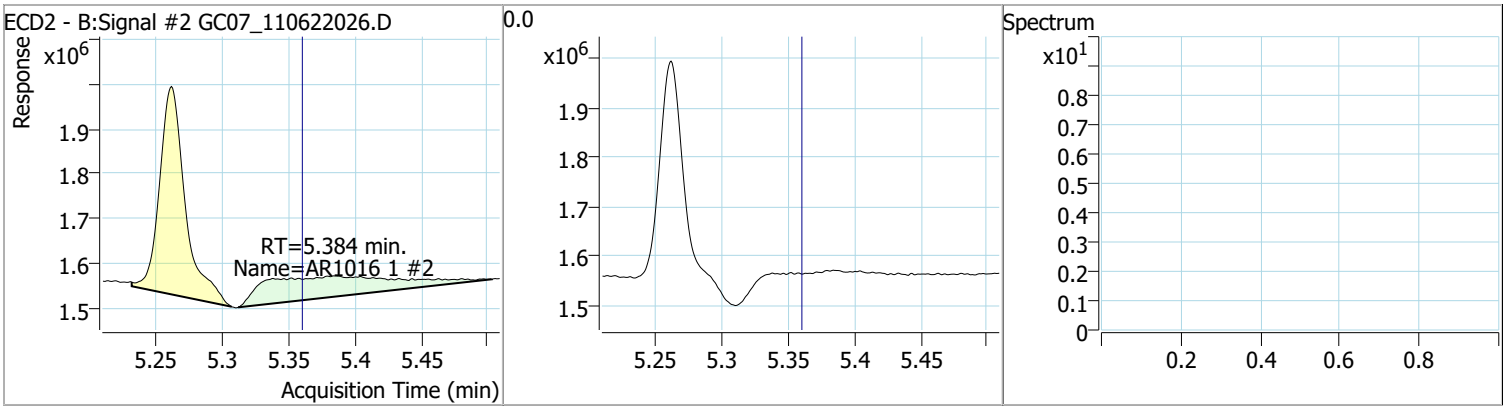
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.2325	4.91	0.00	3057039				



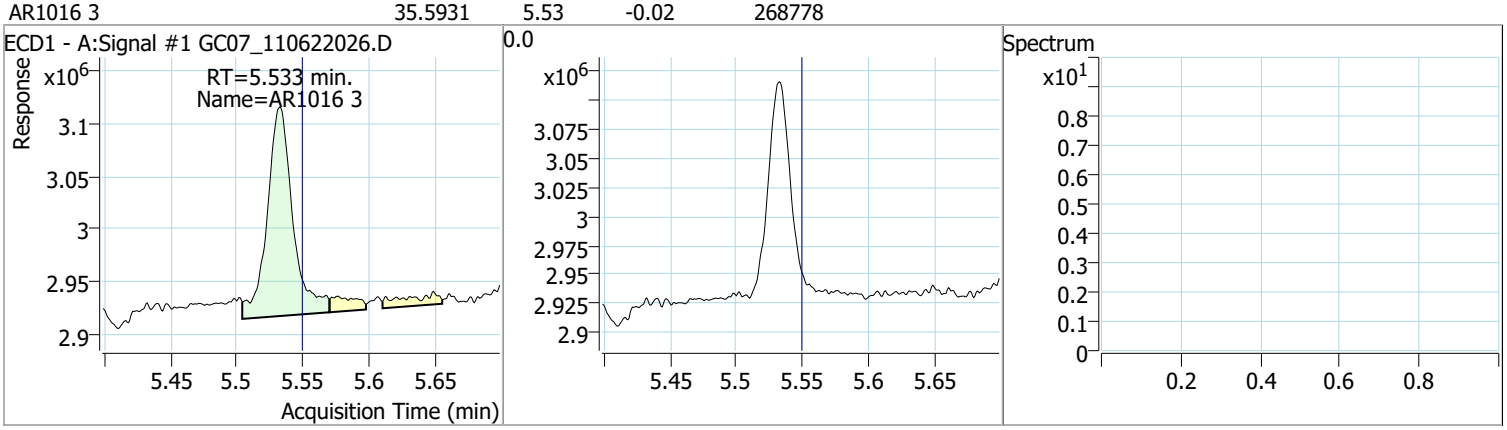
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	20.5402	5.17	0.03	128135				



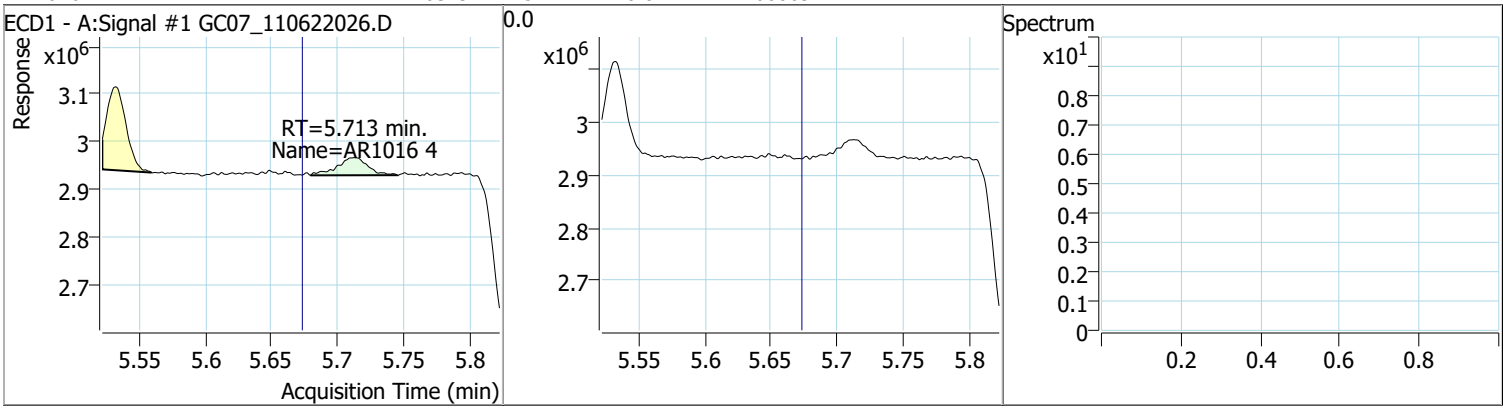
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	164.7569	5.38	0.02	335806				



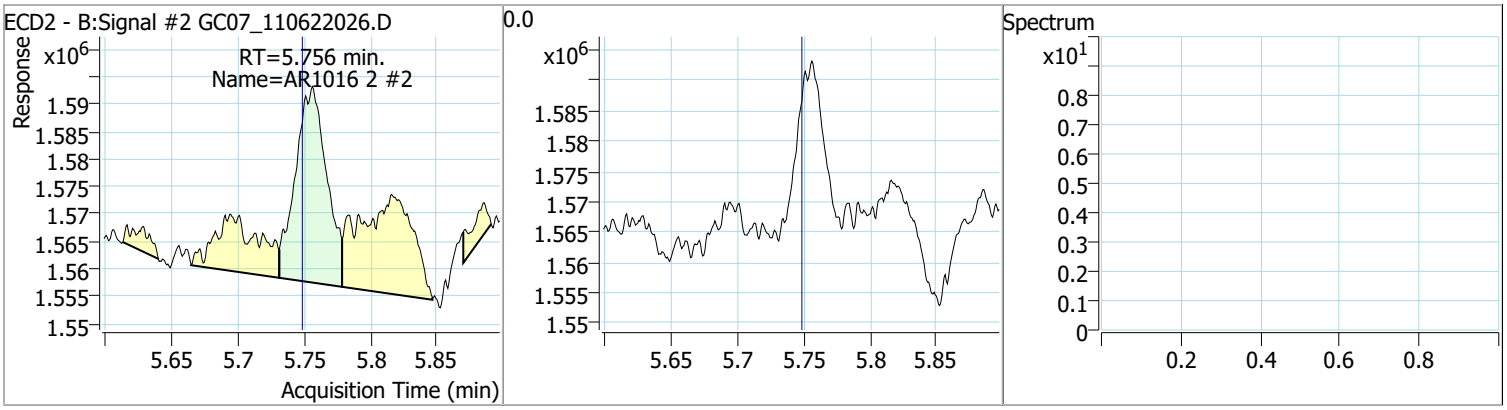
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	35.5931	5.53	-0.02	268778				



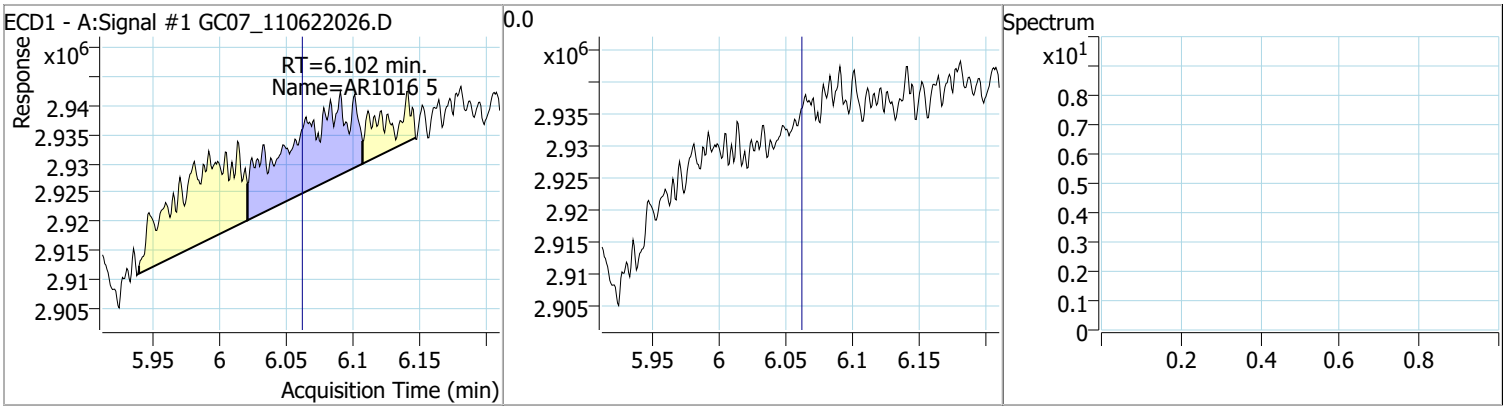
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	11.0349	5.71	0.04	60009				



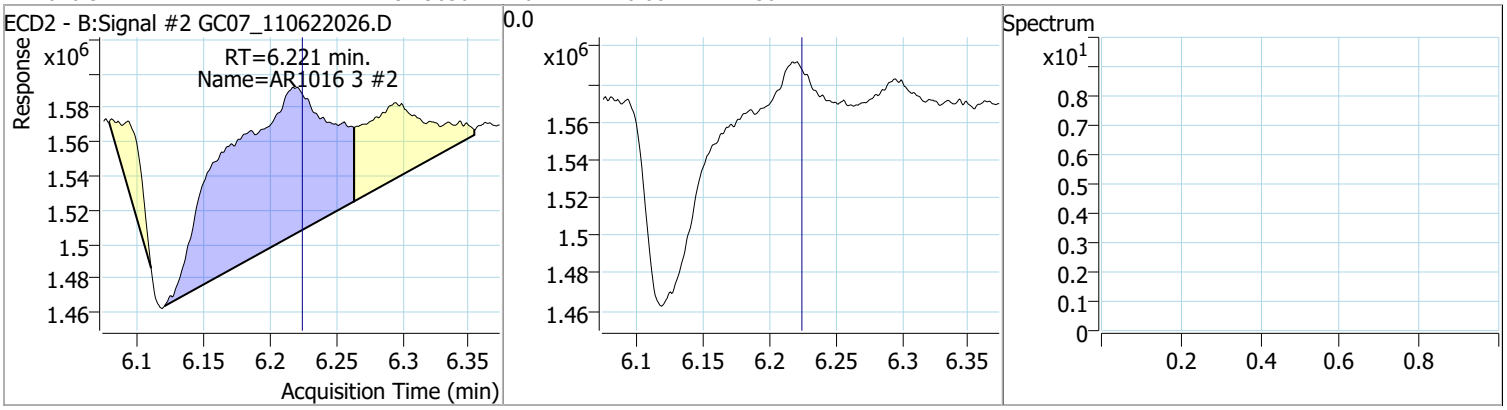
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.4989	5.76	0.01	58661				



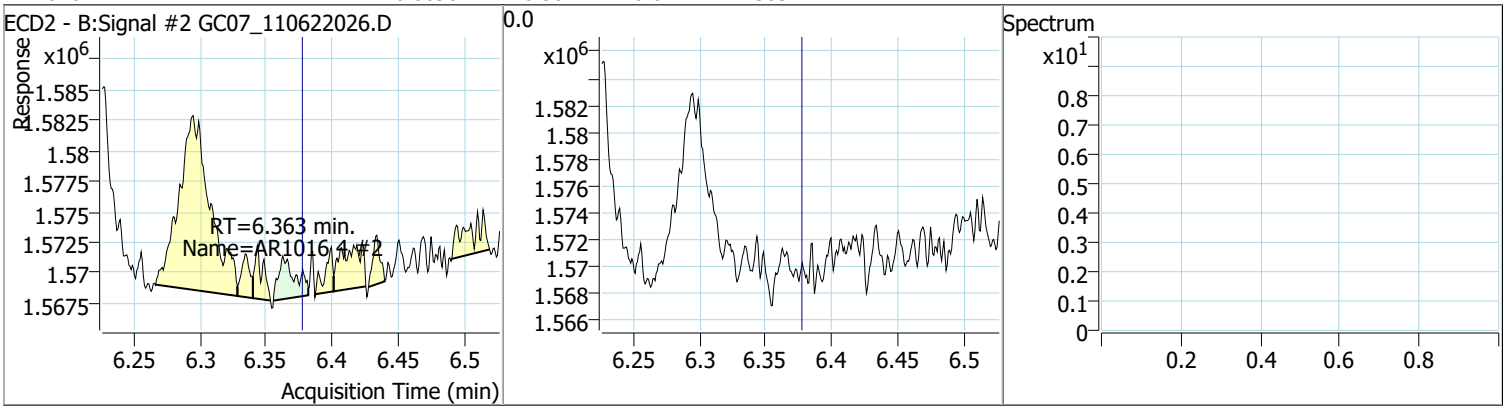
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	11.1707	6.10	0.04	50059				



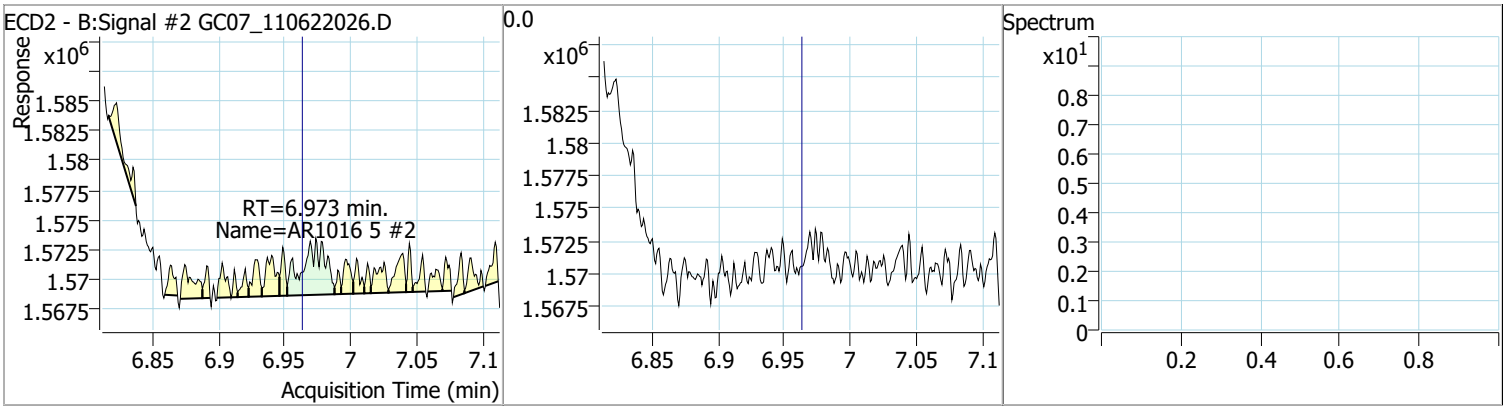
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	94.9036	6.22	0.00	507222				



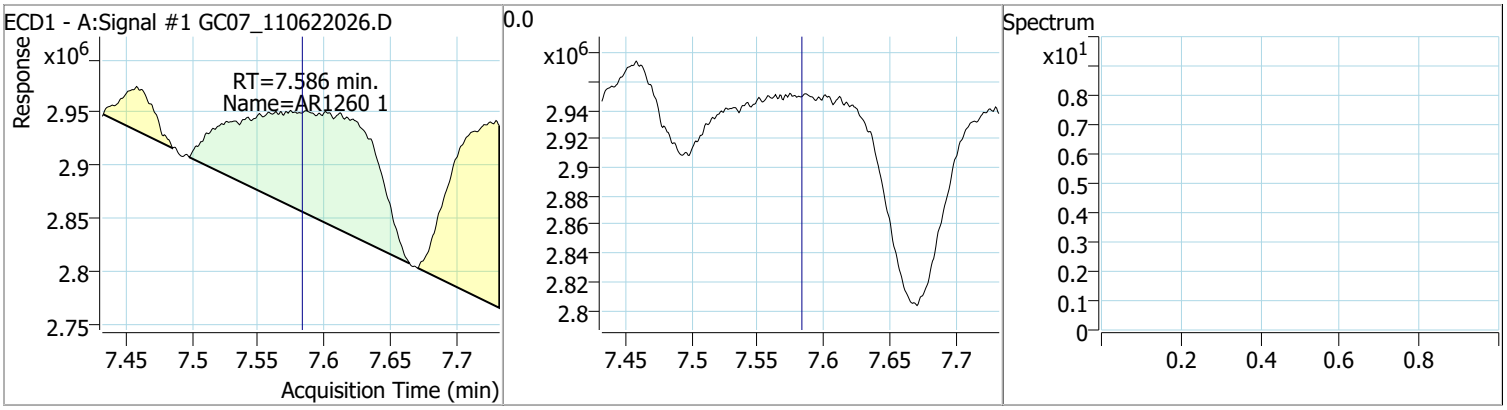
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.8096	6.36	-0.01	3034				



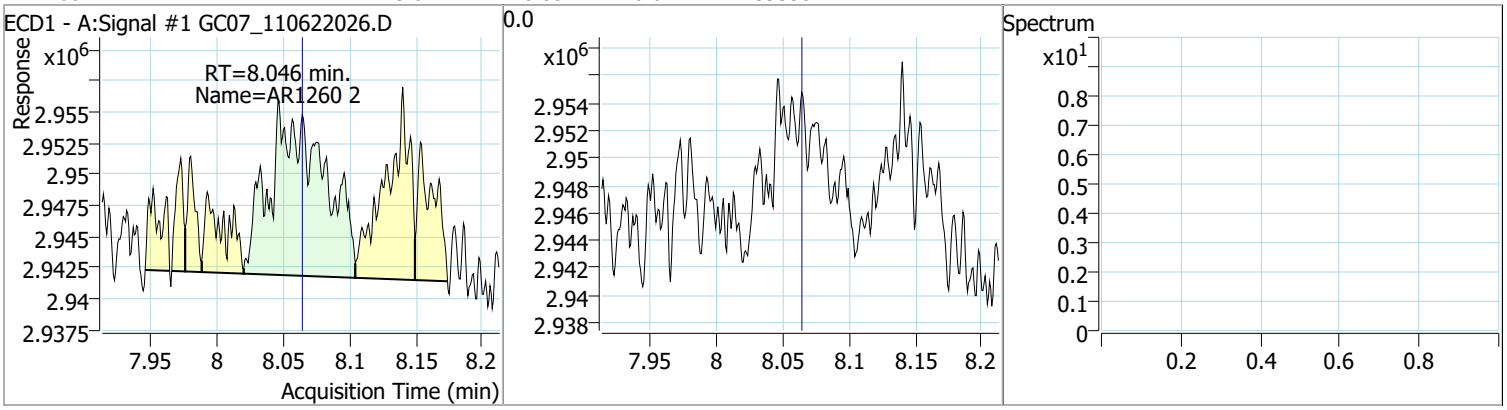
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.8186	6.97	0.01	5661				



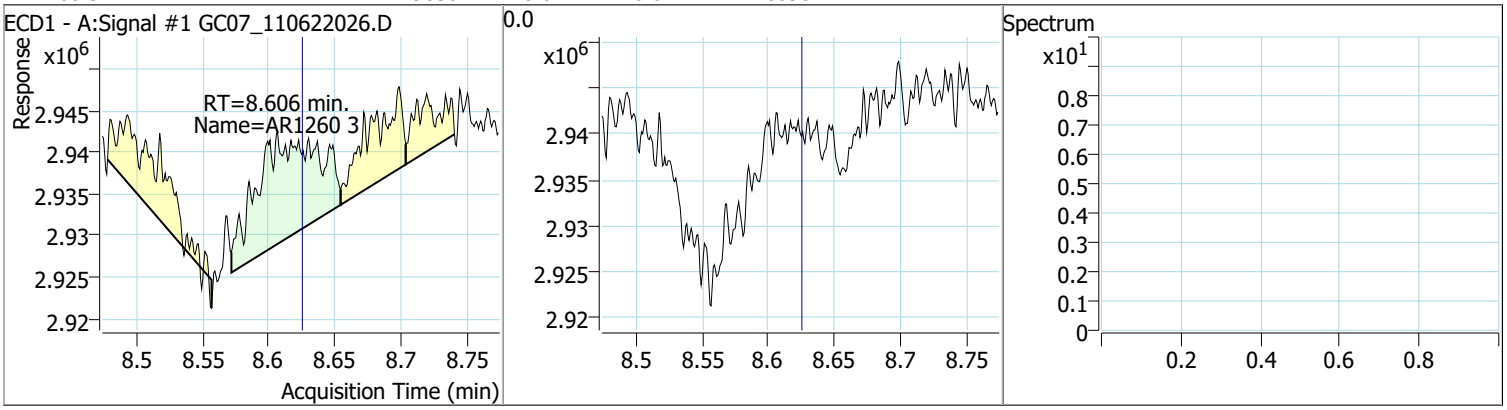
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	82.6666	7.59	0.00	697902				



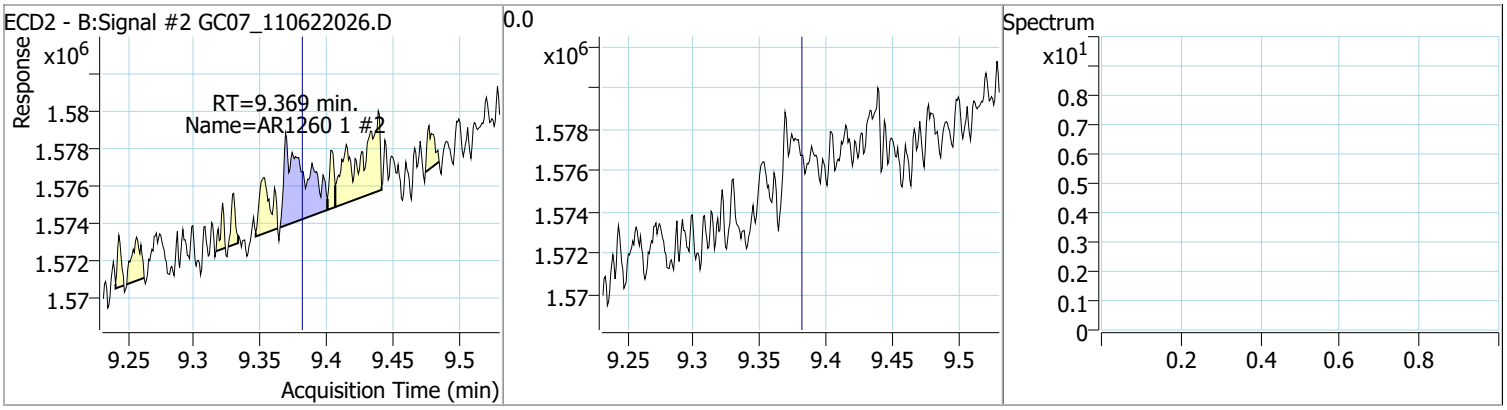
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.0127	8.05	-0.02	39338				



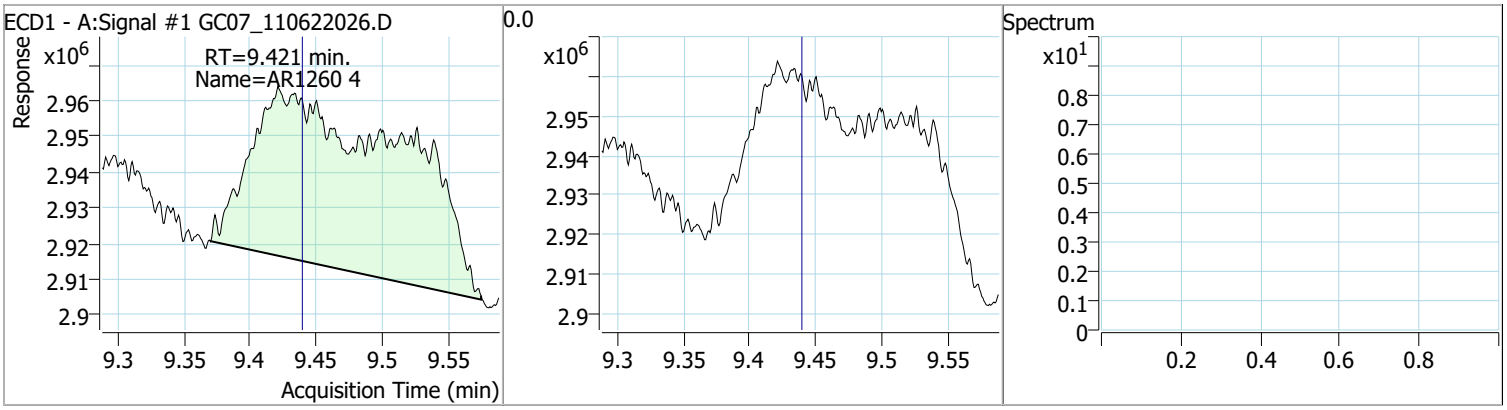
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.9838	8.61	-0.02	40595				



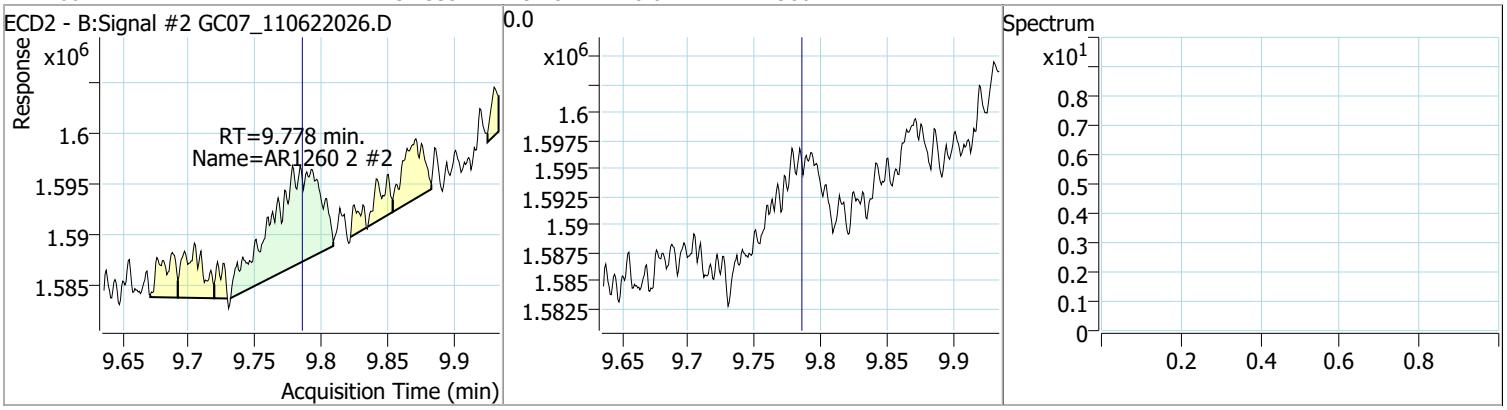
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.8455	9.37	-0.01	5233				



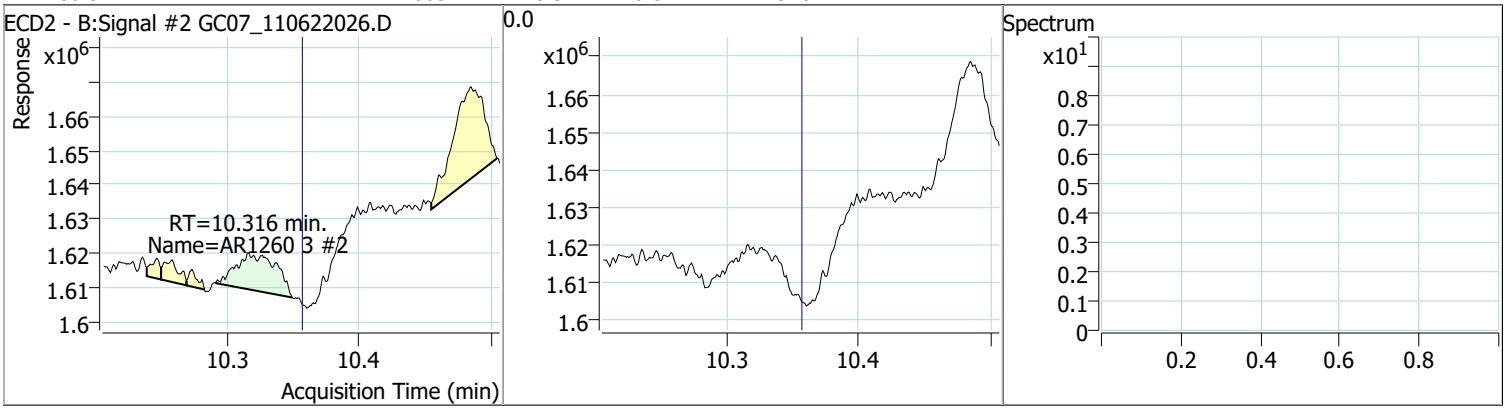
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	50.0485	9.42	-0.02	390979				



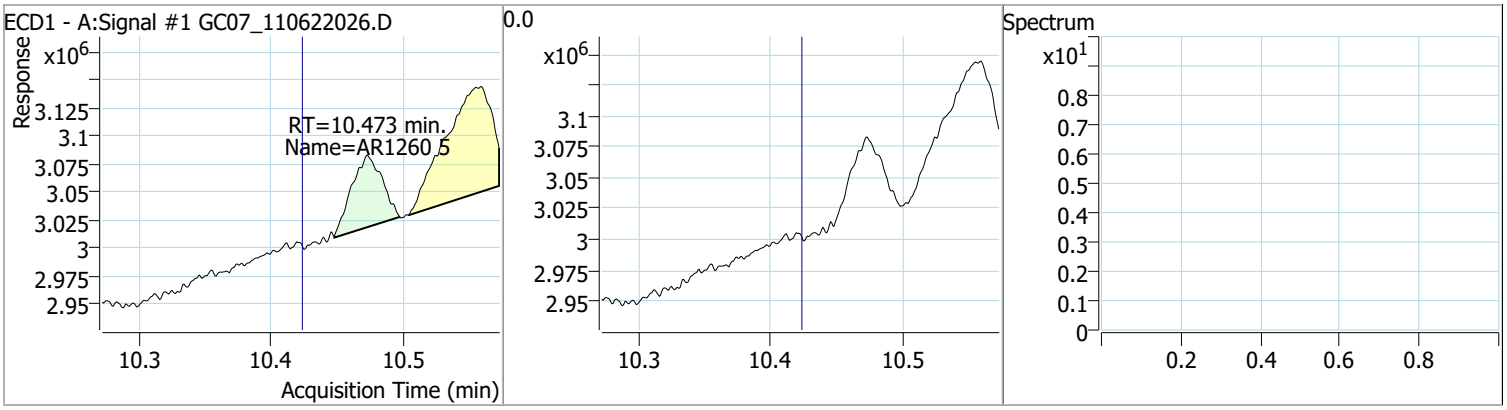
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.4335	9.78	-0.01	24980				



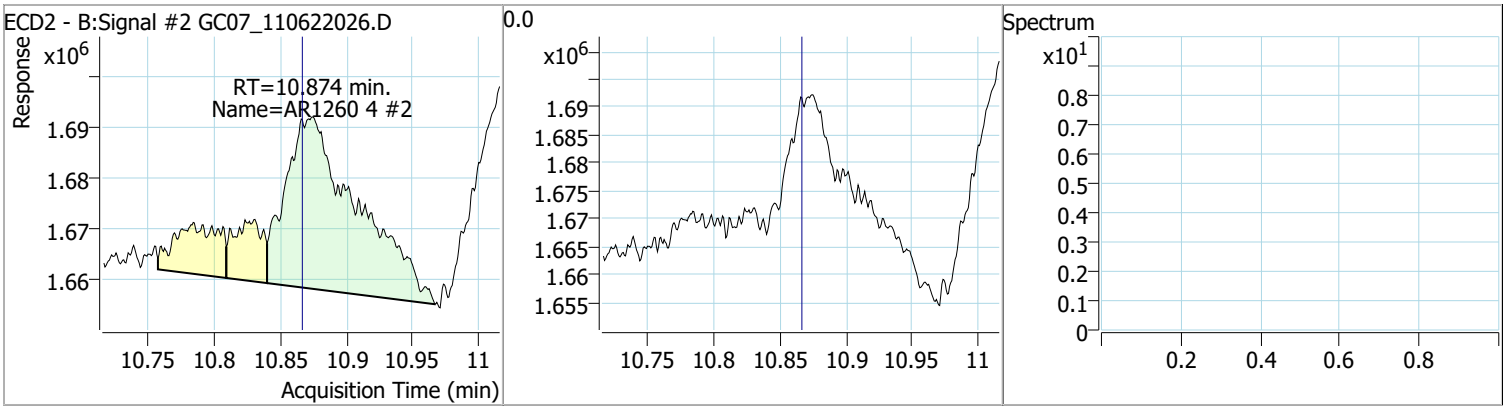
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	2.6051	10.32	-0.04	22948				



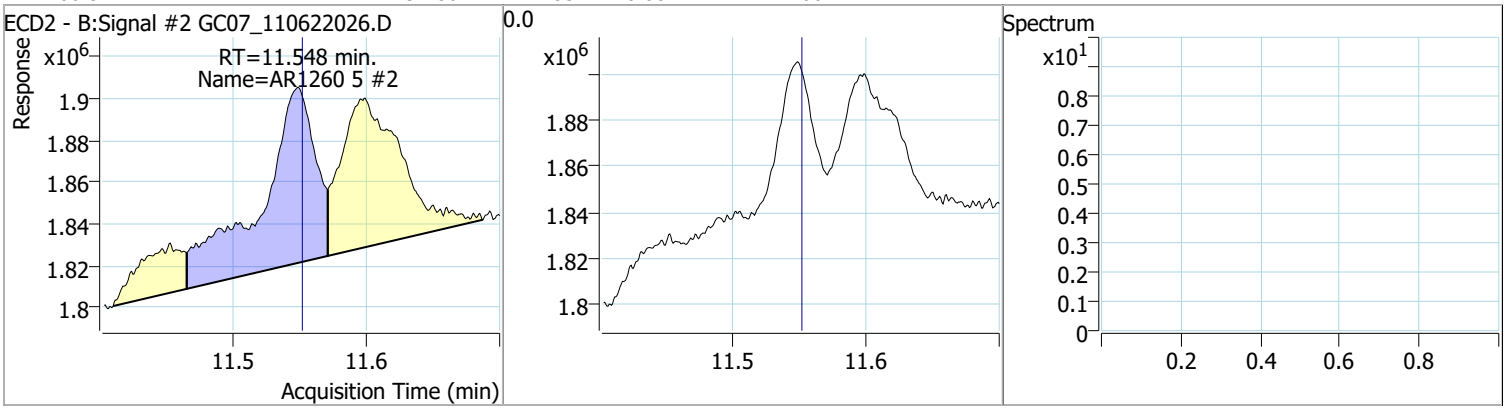
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	10.7739	10.47	0.05	102987				



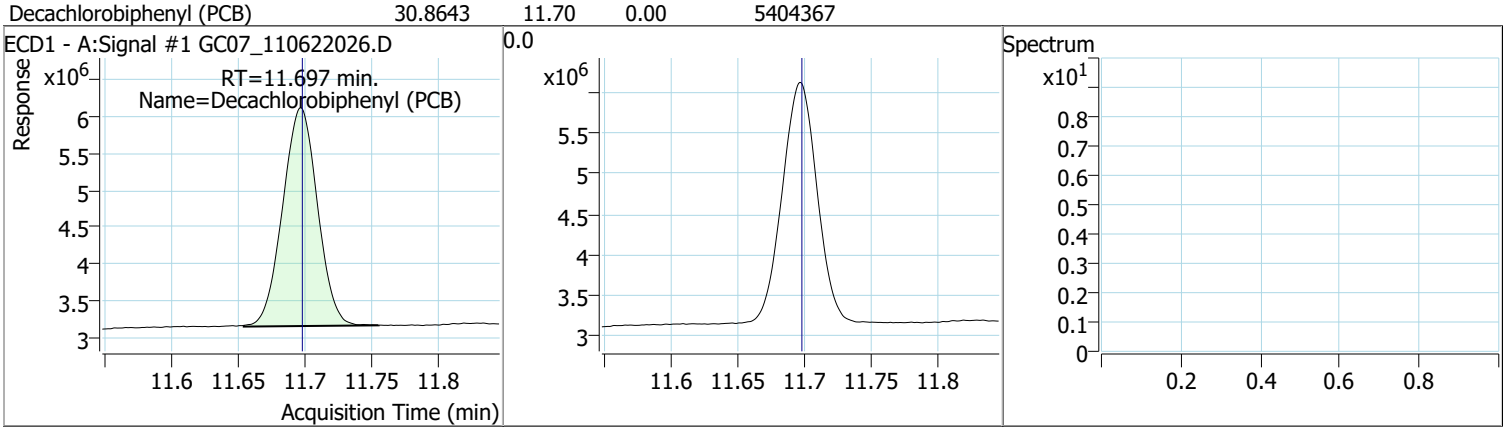
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	23.1104	10.87	0.01	130167				



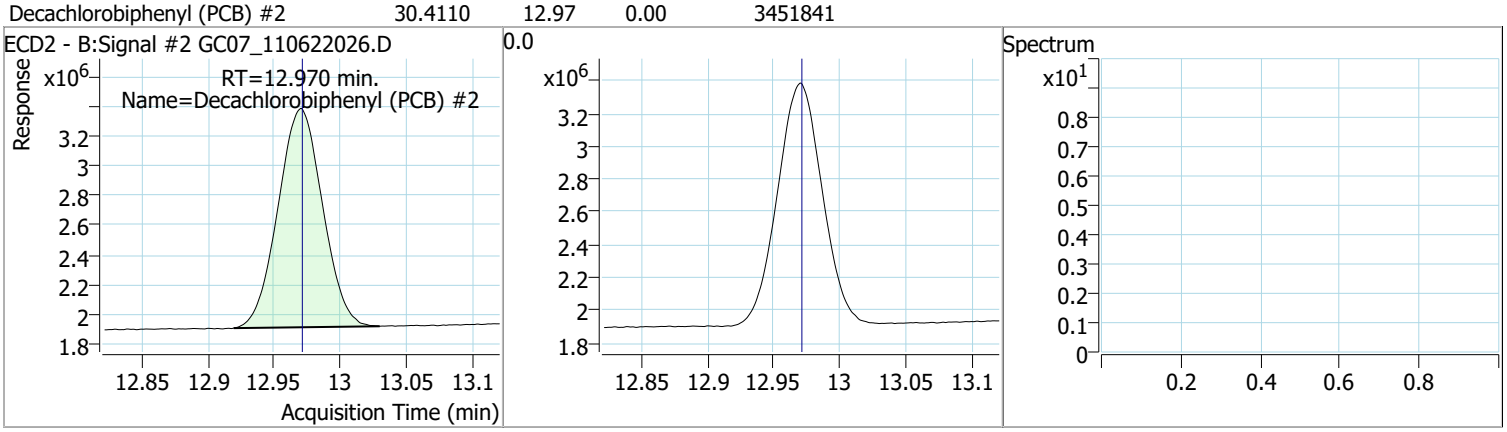
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	29.4861	11.55	0.00	247266				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	30.8643	11.70	0.00	5404367				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	30.4110	12.97	0.00	3451841				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	471955-011	Client ID:	ARCH-C2W-DG-5 TO 5.5-221101-P-FB
Seqnum:	462447281027.1	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_110622027	Batch:	300277	Time:	06-NOV-2022 21:39
Cal:	462445893001	Caldate:	05-NOV-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 20.0 ml = 20.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	A	33.49	ug/L	~~0.67~~ FP	0.68	2%	0.50		x u
Aroclor-1016 Peak # 1	A	125.5	ug/L	2.51	1.25	67%			
Aroclor-1016 Peak # 2	A	9.755	ug/L	0.20	0.09	77%			
Aroclor-1016 Peak # 3	A	28.75	ug/L	0.57	2.05	113%			
Aroclor-1016 Peak # 4	A	3.071	ug/L	0.06	0.01	154%			
Aroclor-1016 Peak # 5	A	0.3748	ug/L	0.01	0.02	94%			
Aroclor-1221	A			ND			0.50		u
Aroclor-1232	A			ND			0.50		u
Aroclor-1242	A			ND			**0.51**		**y** u
Aroclor-1248	A			ND			0.50		u
Aroclor-1254	A			ND			0.50		u
Aroclor-1260	A	32.37	ug/L	~~0.65~~ FP	0.26	87%	0.50		x u
Aroclor-1260 Peak # 1	A	90.76	ug/L	1.82	0.02	195%			
Aroclor-1260 Peak # 2	A	0.9423	ug/L	0.02	0.03	55%			
Aroclor-1260 Peak # 3	A	2.170	ug/L	0.04	0.07	53%			
Aroclor-1260 Peak # 4	A	62.40	ug/L	1.25	0.30	122%			
Aroclor-1260 Peak # 5	A	5.569	ug/L	0.11	0.84	153%			
Aroclor-1262	A			ND			0.50		u
Aroclor-1268	A			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	31.88	pg/uL	1.000	0.6376	64	52-186	u
Decachlorobiphenyl (PCB)	A	25.73	pg/uL	1.000	0.5147	51	50-150	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_110622004)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2140965	1891212	-11.67
1-bromo-2-nitrobenzene (PCB)	A	3447381	3258126	-5.49

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

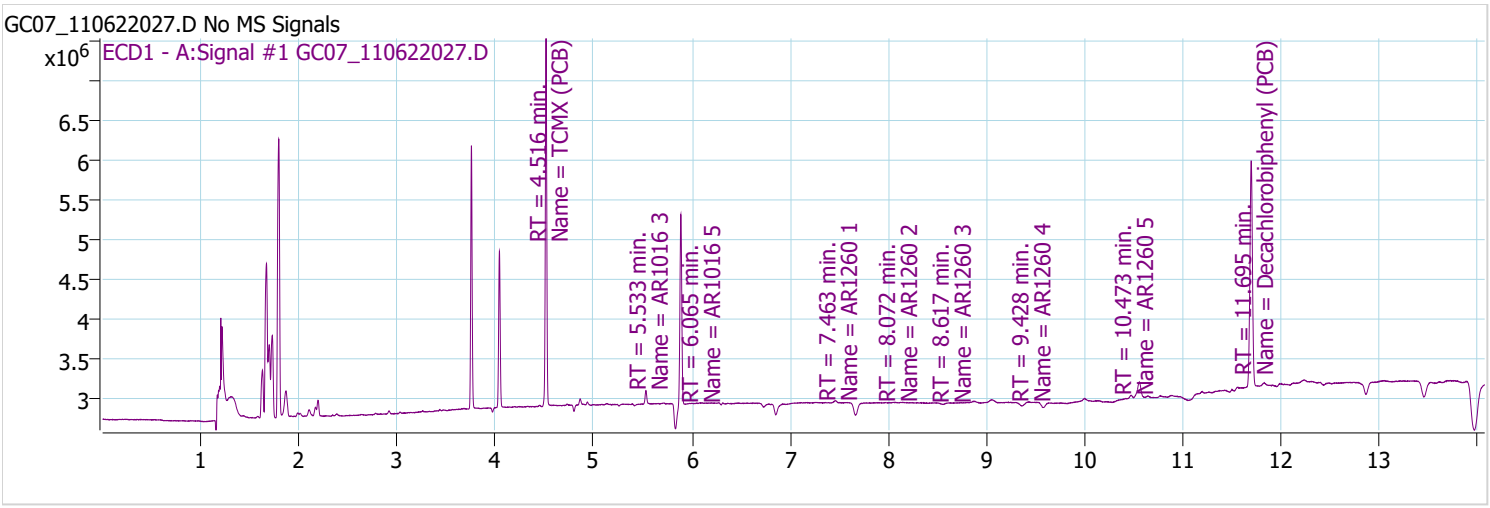
ISTD (CCV gc07_110622004)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.02	4.02	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.76	3.76	0.00

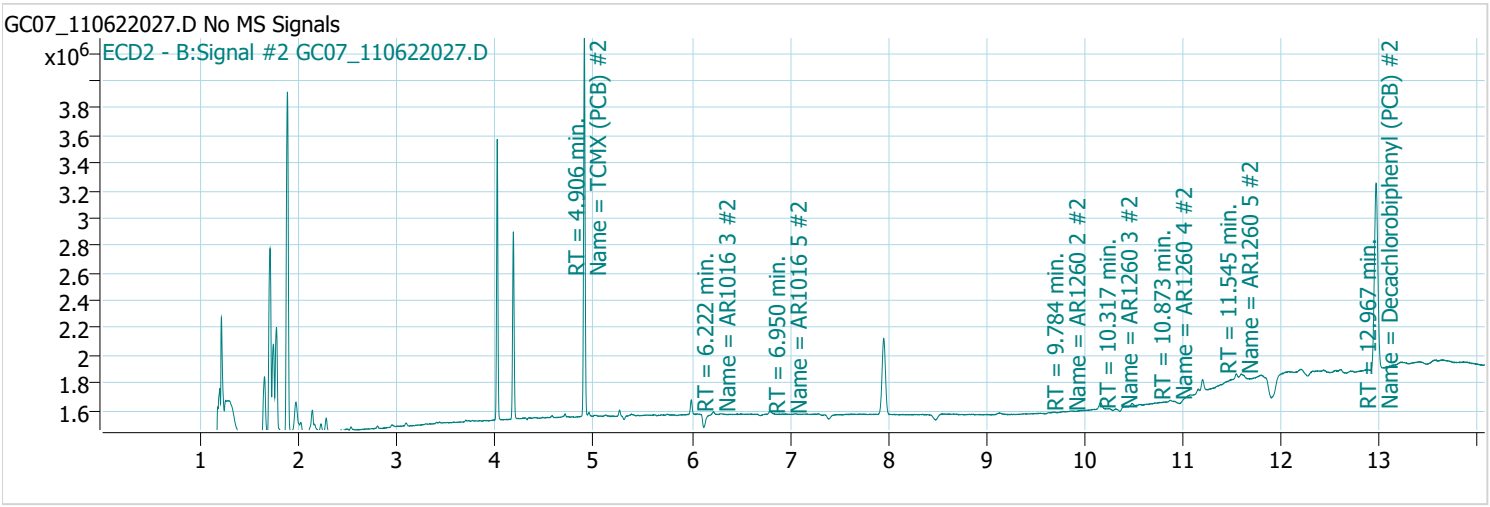
u=use x=false positive y=RL raised

Analyst: TRN 11/09/22 **Reviewer:** LW 11/09/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_110622027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/6/2022 9:39:10 PM
Sample Name	471955-011, 300277, 1	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	WIPE/1DM^2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	110622PCB.batch.bin	Last Calib Update	11/6/2022 4:04:27 PM
Ref Library			



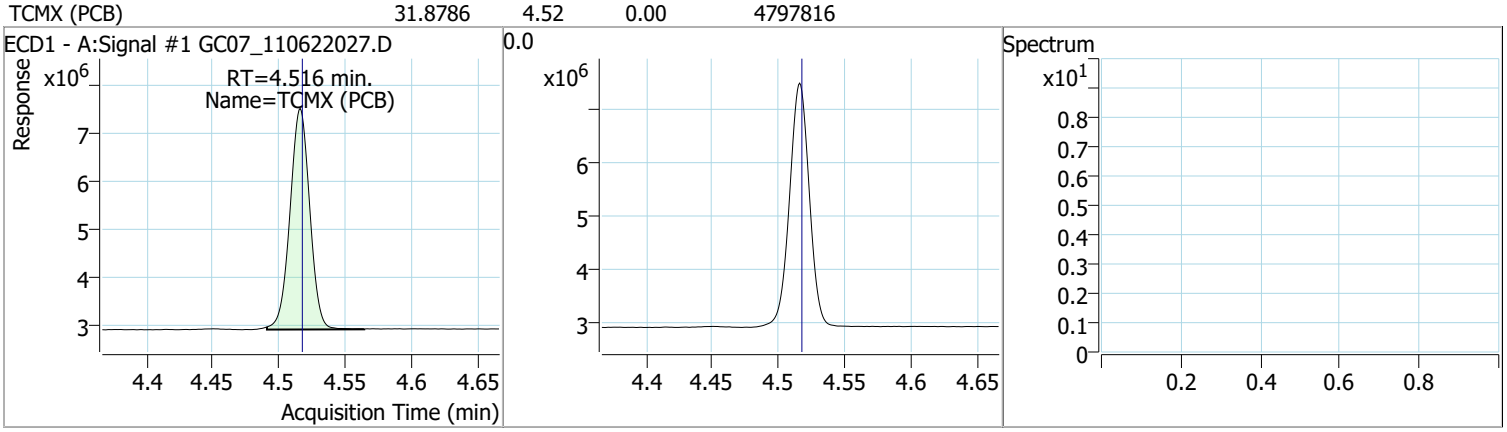


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.756	0.0	3258126.238	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.019	0.0	1891212.460	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.516	0.0	4797815.948	31.8786	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.39%		*	
S TCMX (PCB) #2	4.906	0.0	2981614.567	34.0676	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.34%		*	
S Decachlorobiphenyl (PCB)	11.695	0.0	5110324.836	25.7332	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 128.67%			
S Decachlorobiphenyl (PCB) #2	12.967	0.0	3304172.125	28.8596	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 144.30%			
Target Compounds							QValue

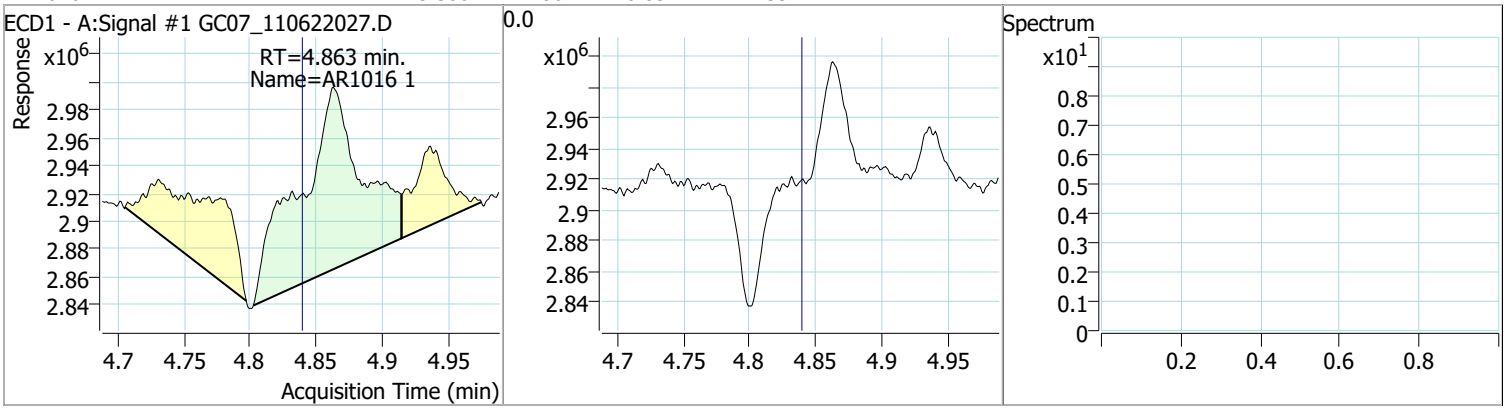
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.863	0.0	433773.891	125.5007	ng/ml	100
T AR1016 2	5.139	0.0	69021.357	9.7556	ng/ml	100
T AR1016 1 #2	5.384	0.0	128348.469	62.4301	ng/ml	100
T AR1016 3	5.533	0.0	246209.662	28.7482	ng/ml	100
T AR1016 4	5.705	0.0	18940.260	3.0709	ng/ml	100
T AR1016 2 #2	5.748	0.0	19057.876	4.3478	ng/ml	100
T AR1016 5	6.065	0.0	1904.735	0.3748	ng/ml	100
T AR1016 3 #2	6.222	0.0	553721.294	102.7126	ng/ml	100
T AR1016 4 #2	6.381	0.0	1513.634	0.4004	ng/ml	100
T AR1016 5 #2	6.950	0.0	3244.689	1.0334	ng/ml	100
T AR1260 1	7.463	0.0	869012.378	90.7601	ng/ml	100
T AR1260 2	8.072	0.0	13954.068	0.9423	ng/ml	100
T AR1260 3	8.617	0.0	33481.386	2.1699	ng/ml	100
T AR1260 1 #2	9.382	0.0	7266.110	1.1640	ng/ml	100
T AR1260 4	9.428	0.0	552828.491	62.3967	ng/ml	100
T AR1260 2 #2	9.784	0.0	12155.861	1.6564	ng/ml	100
T AR1260 3 #2	10.317	0.0	33024.124	3.7166	ng/ml	100
T AR1260 5	10.473	0.0	60379.565	5.5694	ng/ml	100
T AR1260 4 #2	10.873	0.0	85811.622	15.1043	ng/ml	100
T AR1260 5 #2	11.545	0.0	357151.357	42.2233	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

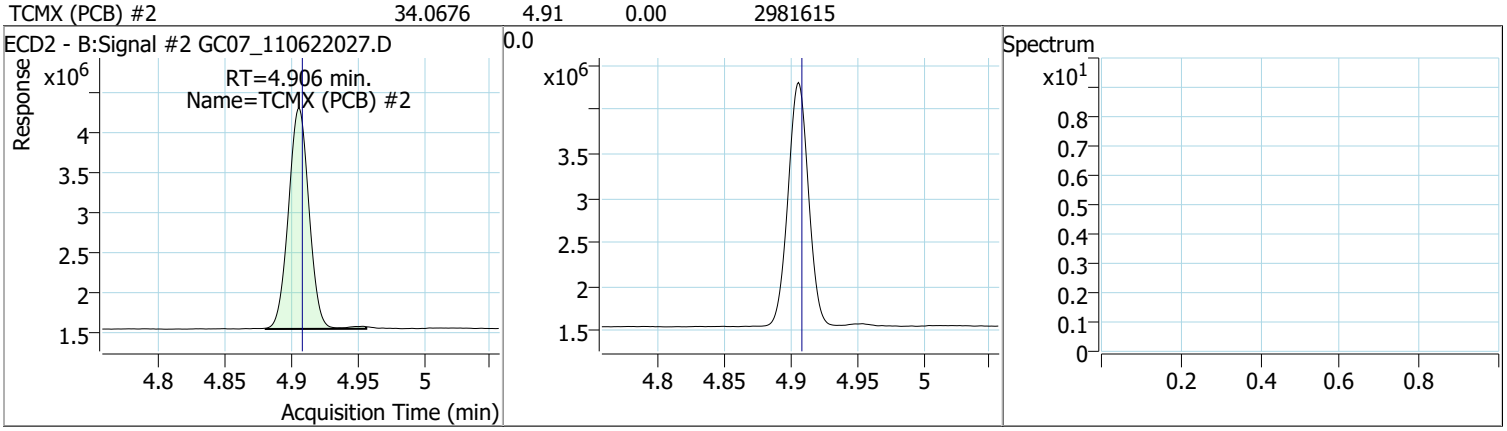
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.8786	4.52	0.00	4797816				



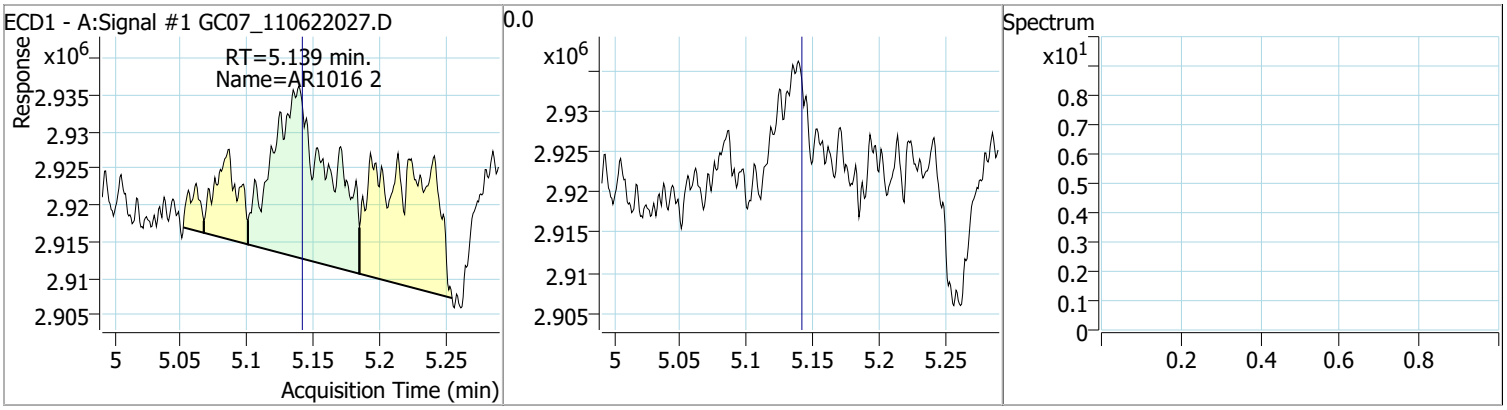
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	125.5007	4.86	0.03	433774				



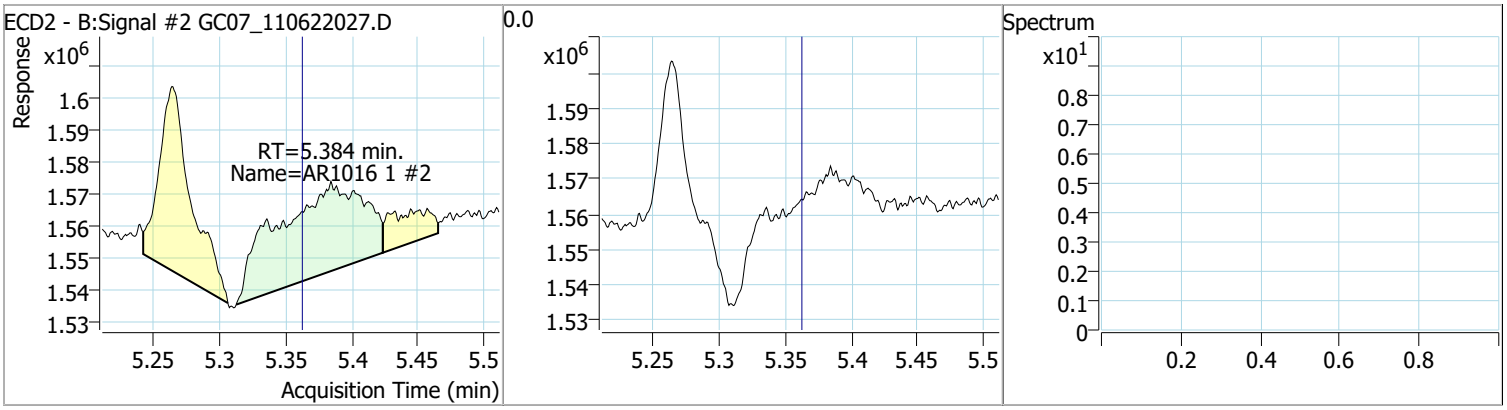
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.0676	4.91	0.00	2981615				



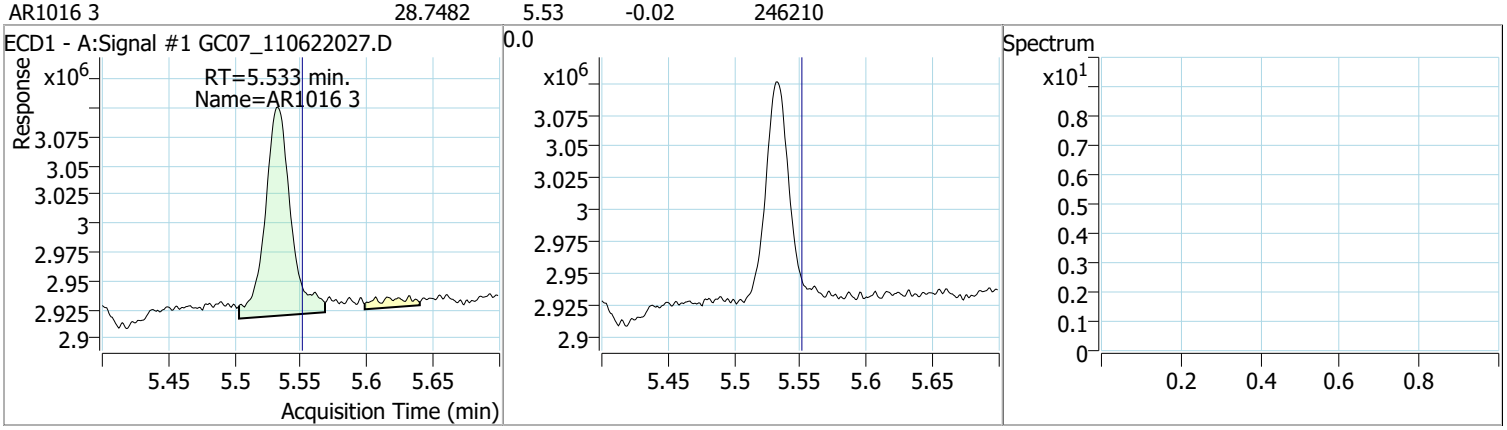
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	9.7556	5.14	0.00	69021				



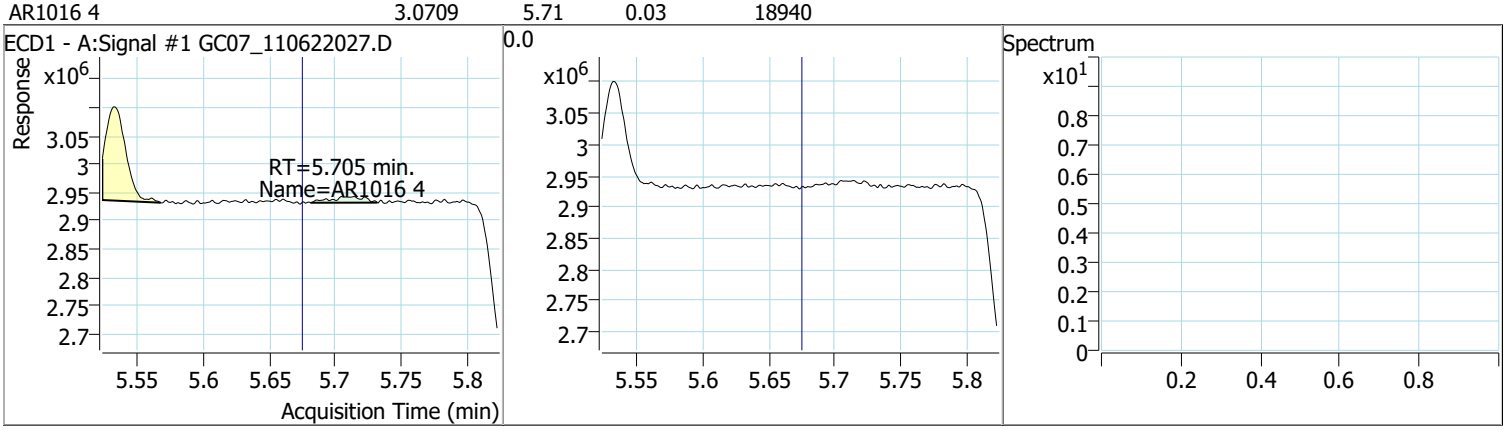
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	62.4301	5.38	0.02	128348				



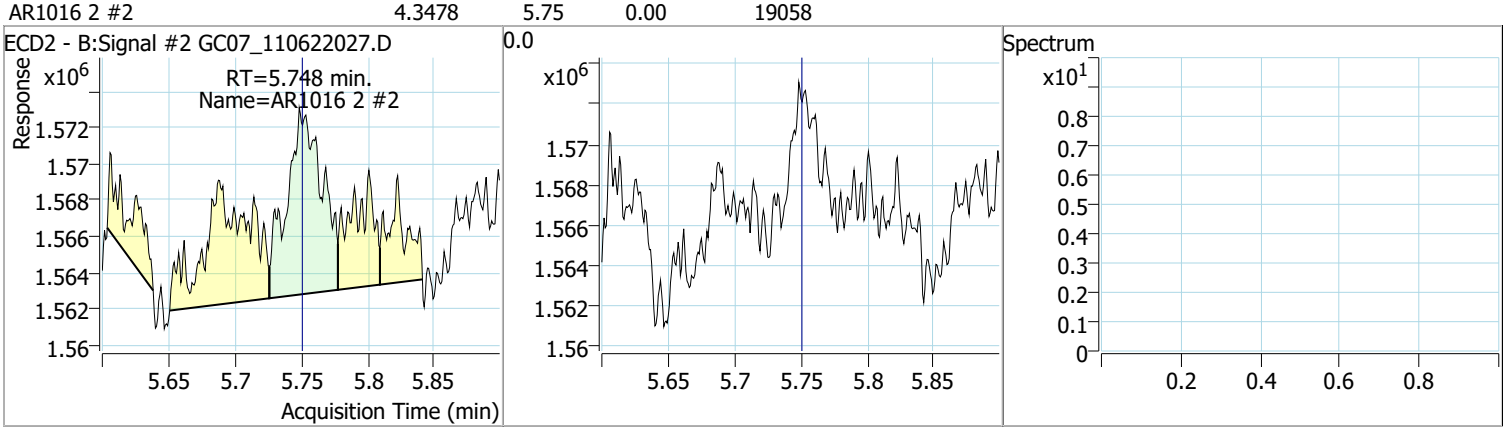
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	28.7482	5.53	-0.02	246210				



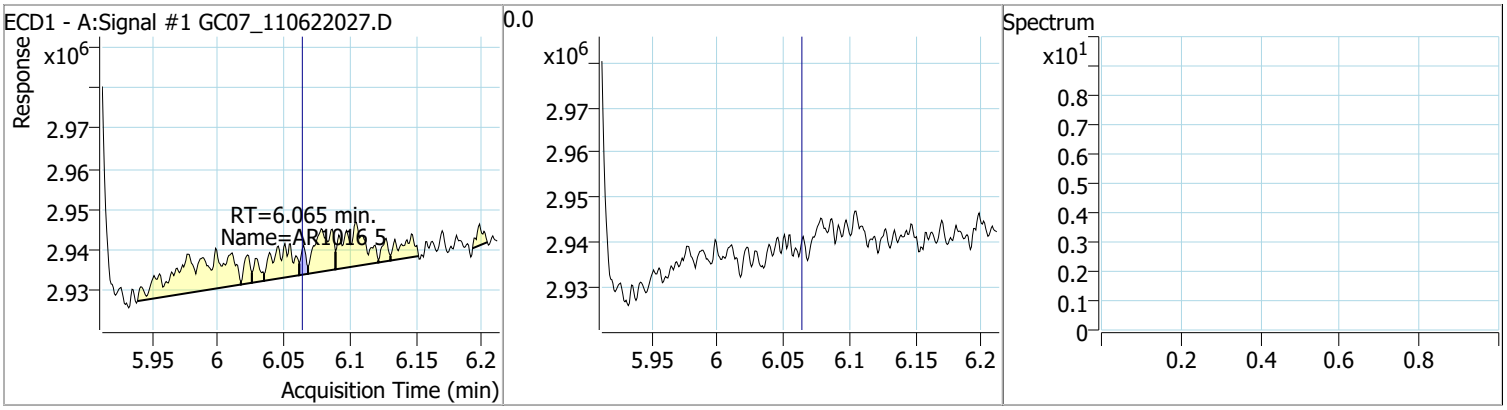
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	3.0709	5.71	0.03	18940				



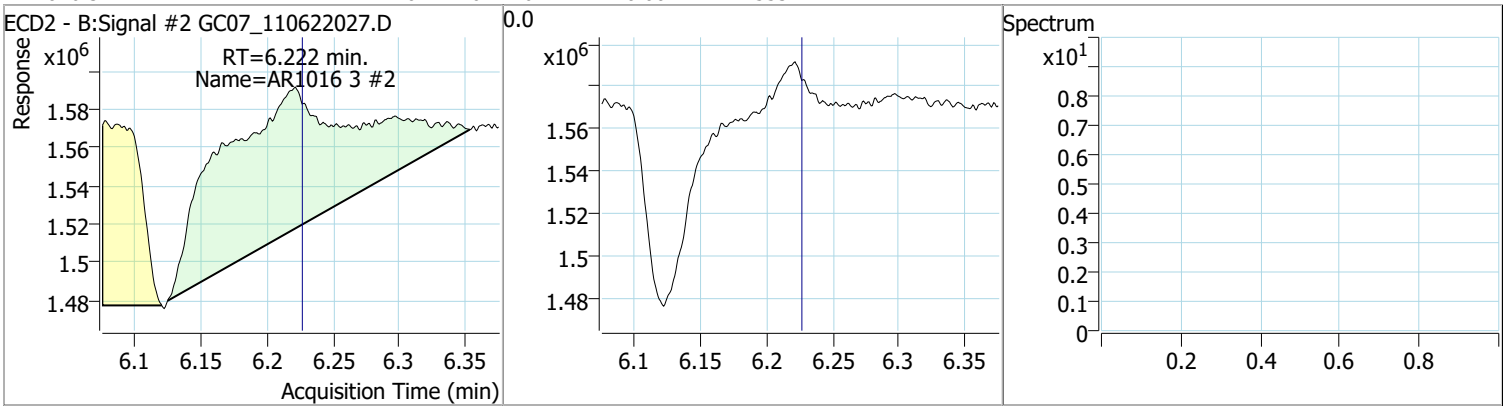
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	4.3478	5.75	0.00	19058				



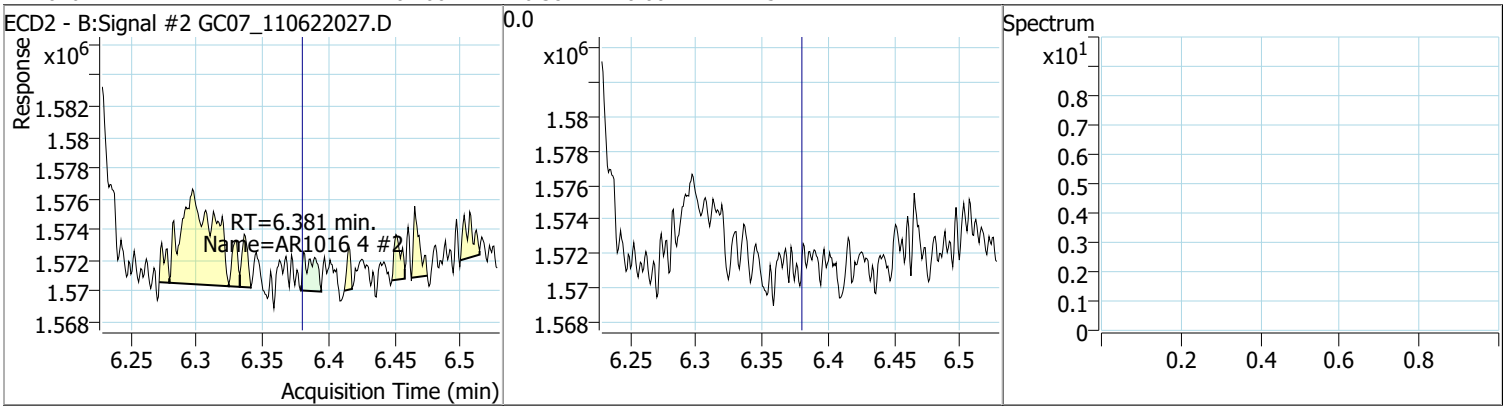
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	0.3748	6.07	0.00	1905				



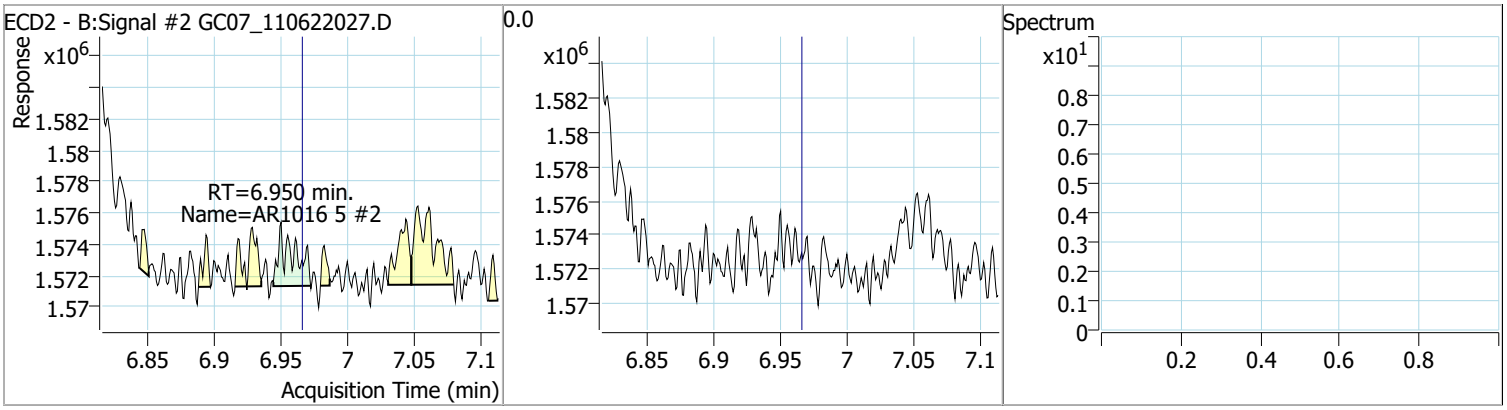
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	102.7126	6.22	0.00	553721				



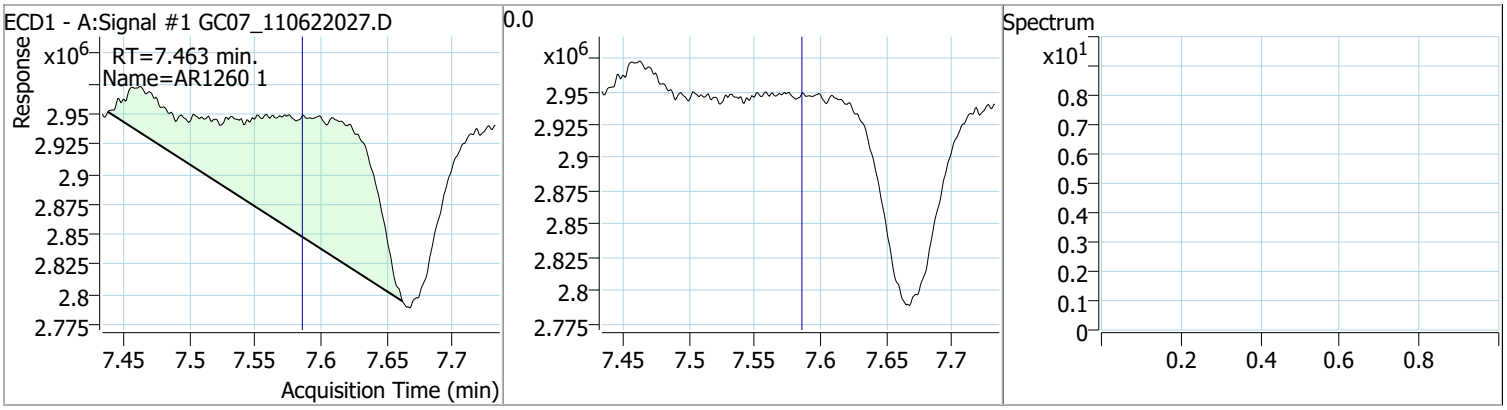
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4004	6.38	0.00	1514				



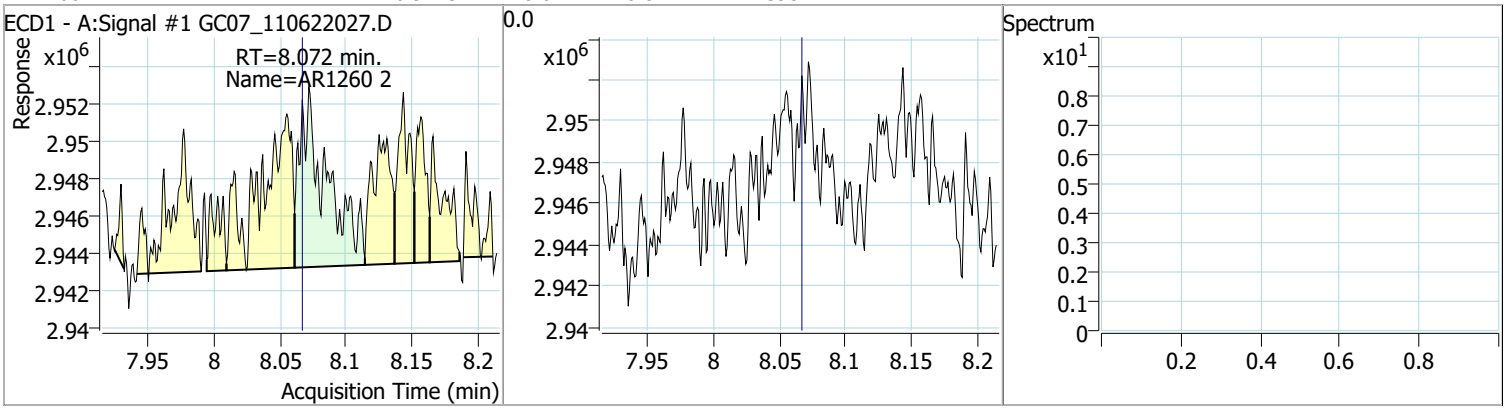
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.0334	6.95	-0.01	3245				



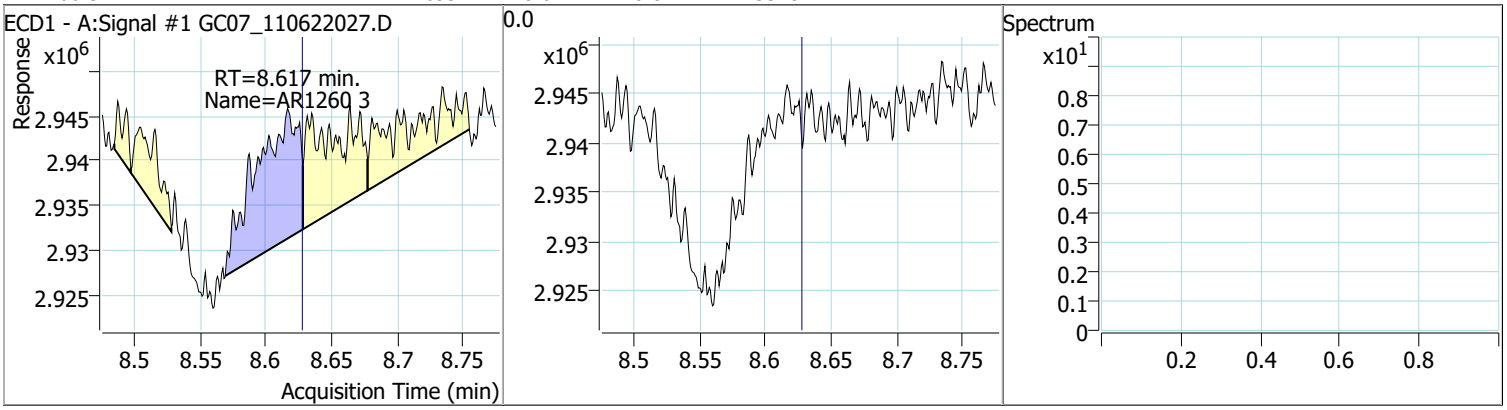
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	90.7601	7.46	-0.12	869012				



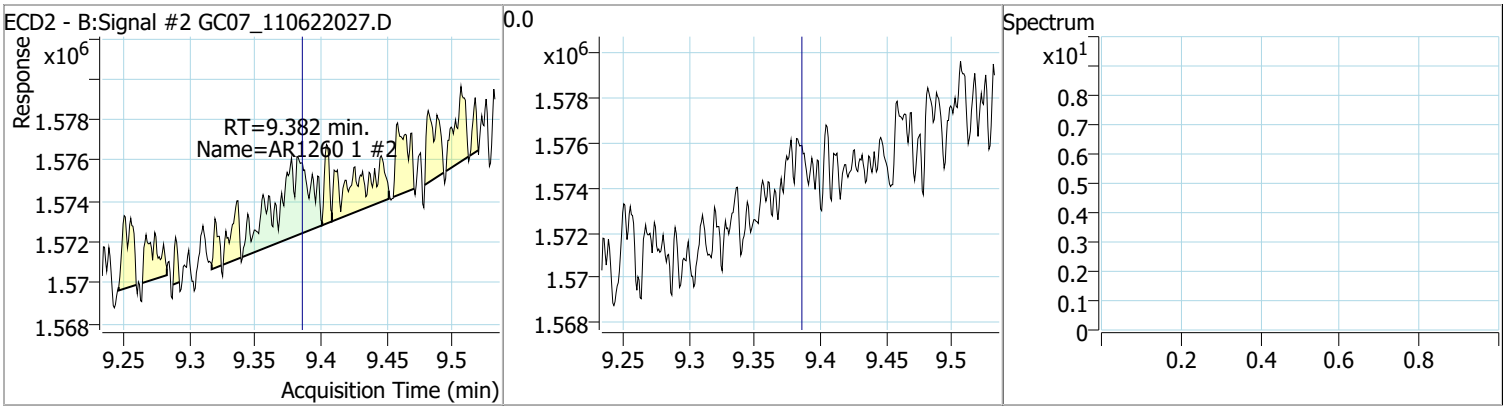
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.9423	8.07	0.01	13954				



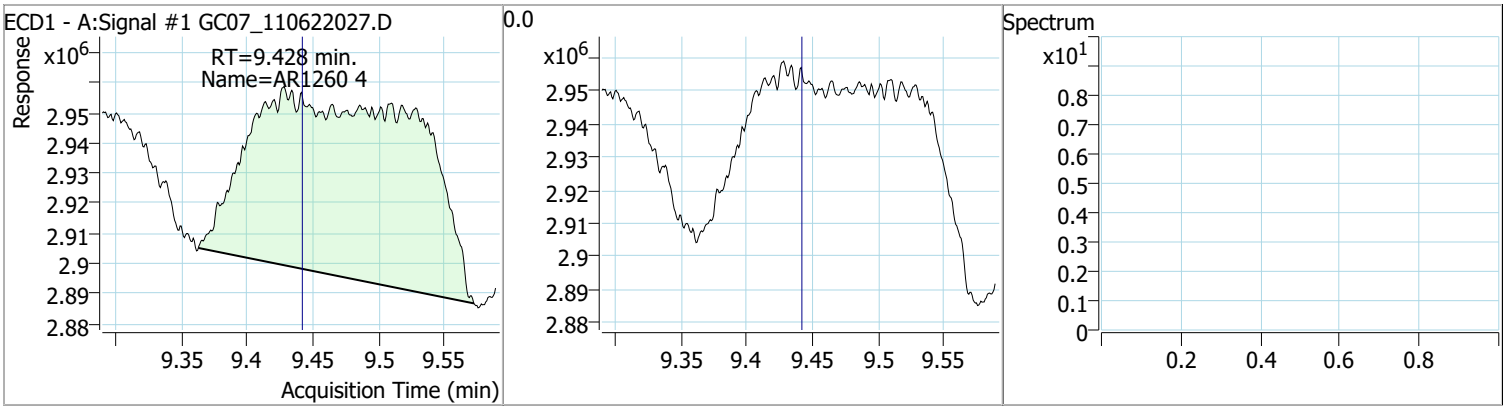
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.1699	8.62	-0.01	33481				



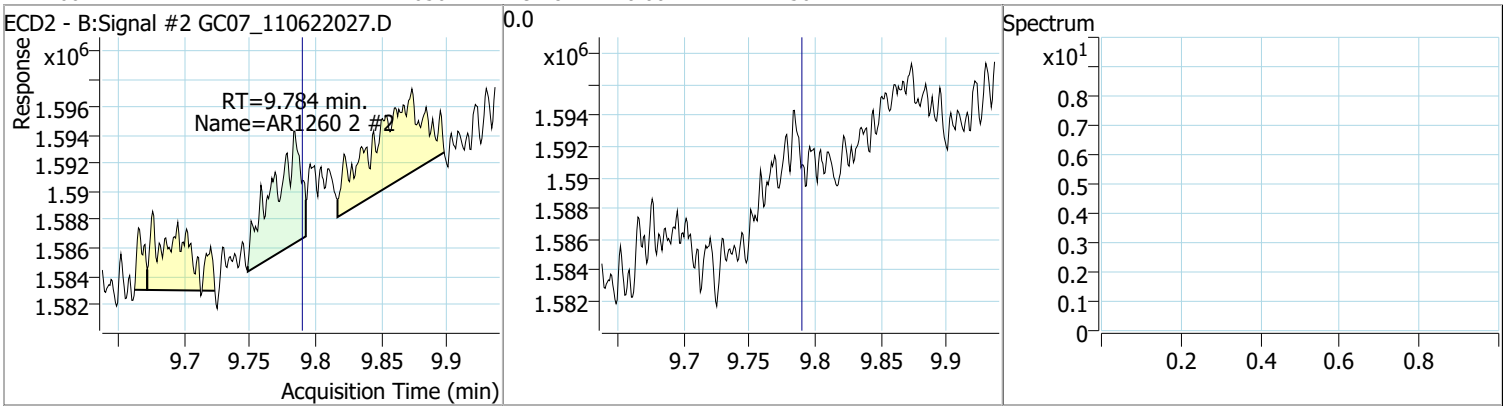
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.1640	9.38	0.00	7266				



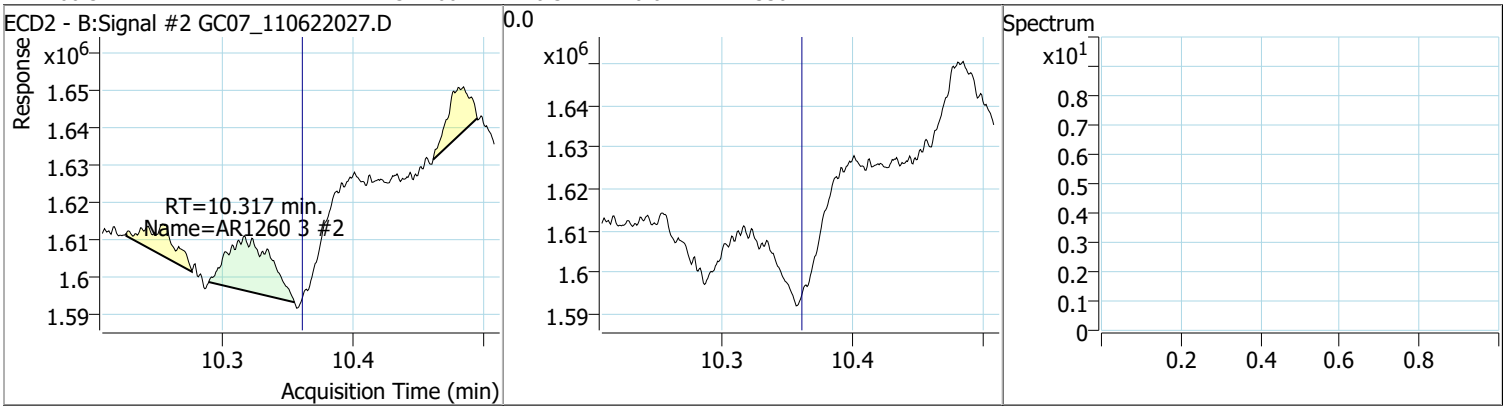
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	62.3967	9.43	-0.01	552828				



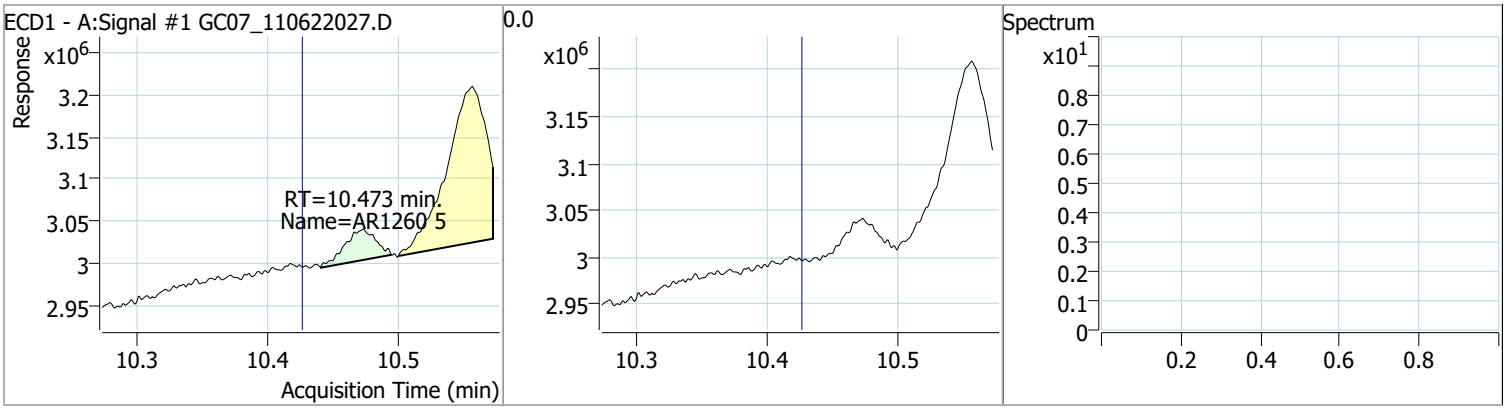
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.6564	9.78	0.00	12156				



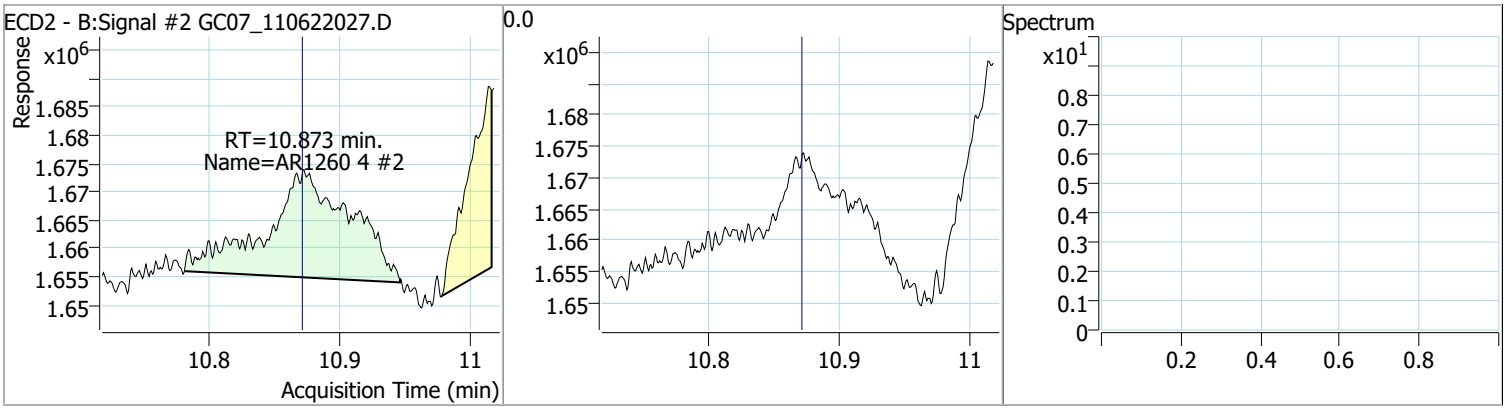
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.7166	10.32	-0.04	33024				



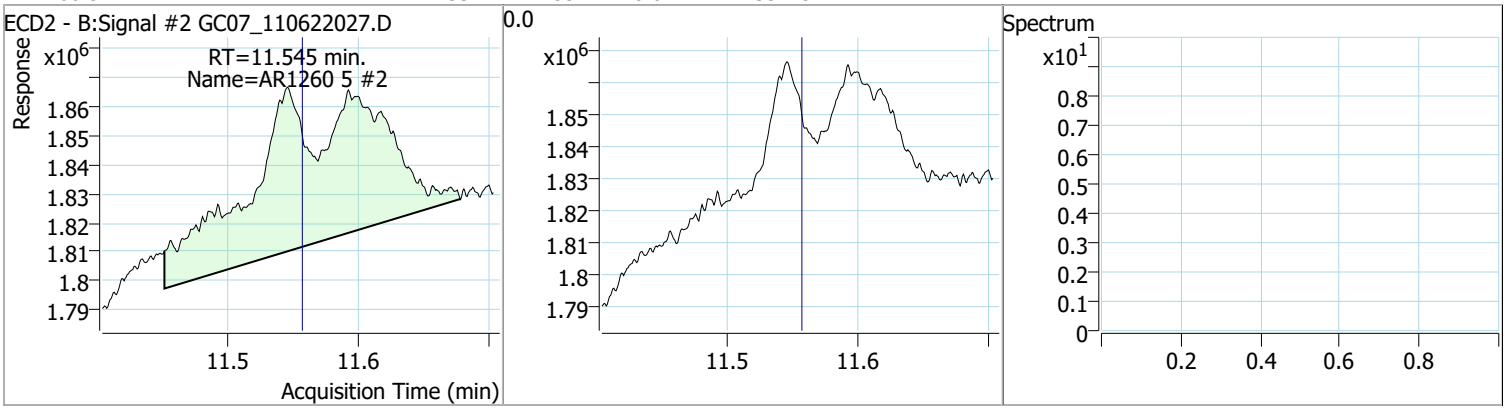
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	5.5694	10.47	0.05	60380				



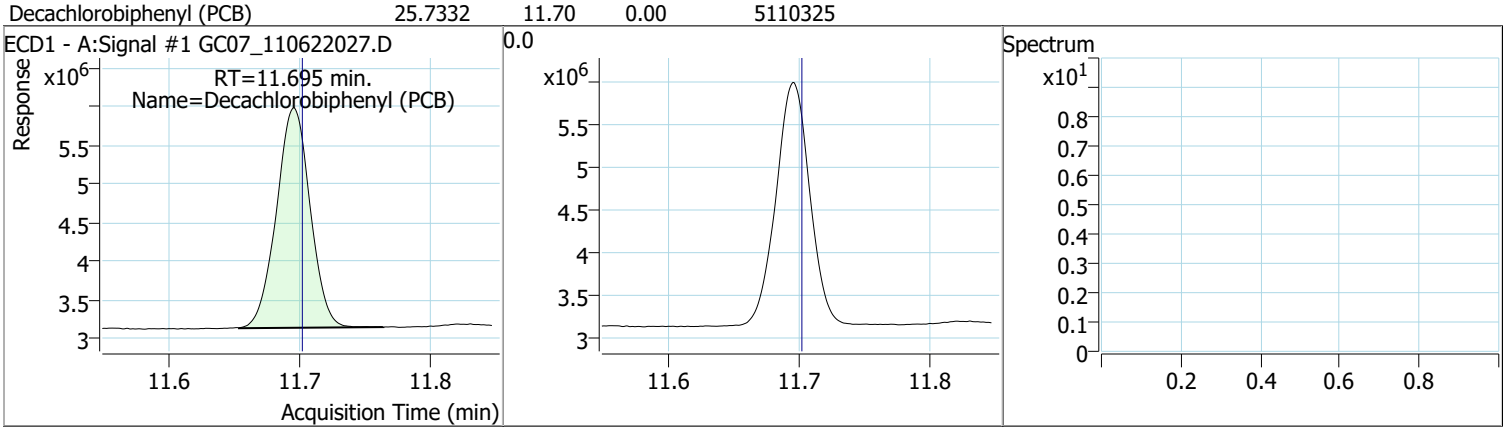
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	15.1043	10.87	0.01	85812				



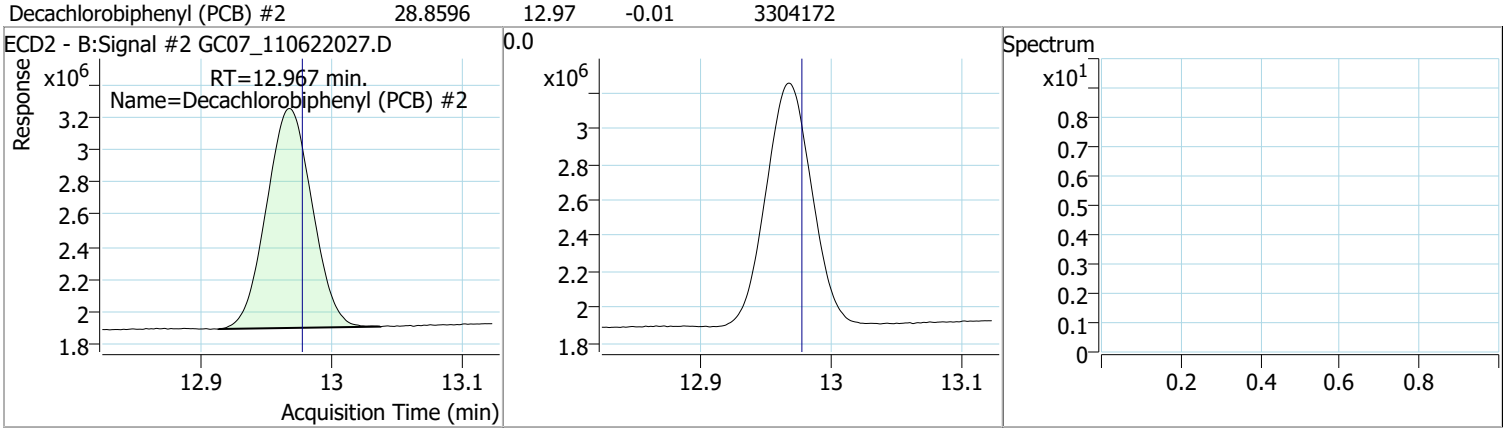
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	42.2233	11.55	-0.01	357151				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	25.7332	11.70	0.00	5110325				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.8596	12.97	-0.01	3304172				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 471955 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Lab ID:	QC1023077		
Seqnum:	462447281019.3	Matrix:	Wipe		
File:	gc07_110622019	Batch:	300277	Time:	06-NOV-2022 19:20
Cal:	462445893001	Caldate:	05-NOV-2022		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Flags
Aroclor-1016	A	10.20	ug/L	ND	ND	73%	0.25	u
Aroclor-1016 Peak # 1	A	29.55	ug/L	0.30	0.05	145%		
Aroclor-1016 Peak # 2	A	11.99	ug/L	0.12	0.07	55%		
Aroclor-1016 Peak # 3	A	0.1724	ug/L	0.00	0.07	190%		
Aroclor-1016 Peak # 4	A	7.874	ug/L	0.08	0.00	186%		
Aroclor-1016 Peak # 5	A	1.392	ug/L	0.01	0.05	113%		
Aroclor-1221	A			ND			0.25	u
Aroclor-1232	A			ND			0.25	u
Aroclor-1242	A			ND			**0.26**	**y** u
Aroclor-1248	A			ND			0.25	u
Aroclor-1254	A			ND			0.25	u
Aroclor-1260	A	3.823	ug/L	ND	0.13	111%	0.25	u
Aroclor-1260 Peak # 1	A	7.785	ug/L	0.08	0.01	173%		
Aroclor-1260 Peak # 2	A	0.1601	ug/L	0.00	0.14	196%		
Aroclor-1260 Peak # 3	A	0.1540	ug/L	0.00	0.11	195%		
Aroclor-1260 Peak # 4	A	0.8952	ug/L	0.01	0.00	59%		
Aroclor-1260 Peak # 5	A	10.12	ug/L	0.10	0.41	120%		
Aroclor-1262	A			ND			0.25	u
Aroclor-1268	A			ND			0.25	u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	A	47.23	pg/uL	0.5000	0.4723	94	52-186	u
Decachlorobiphenyl (PCB)	A	39.91	pg/uL	0.5000	0.3991	80	60-140	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_110622004)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2140965	1888343	-11.80
1-bromo-2-nitrobenzene (PCB)	A	3447381	3189946	-7.47

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR
CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

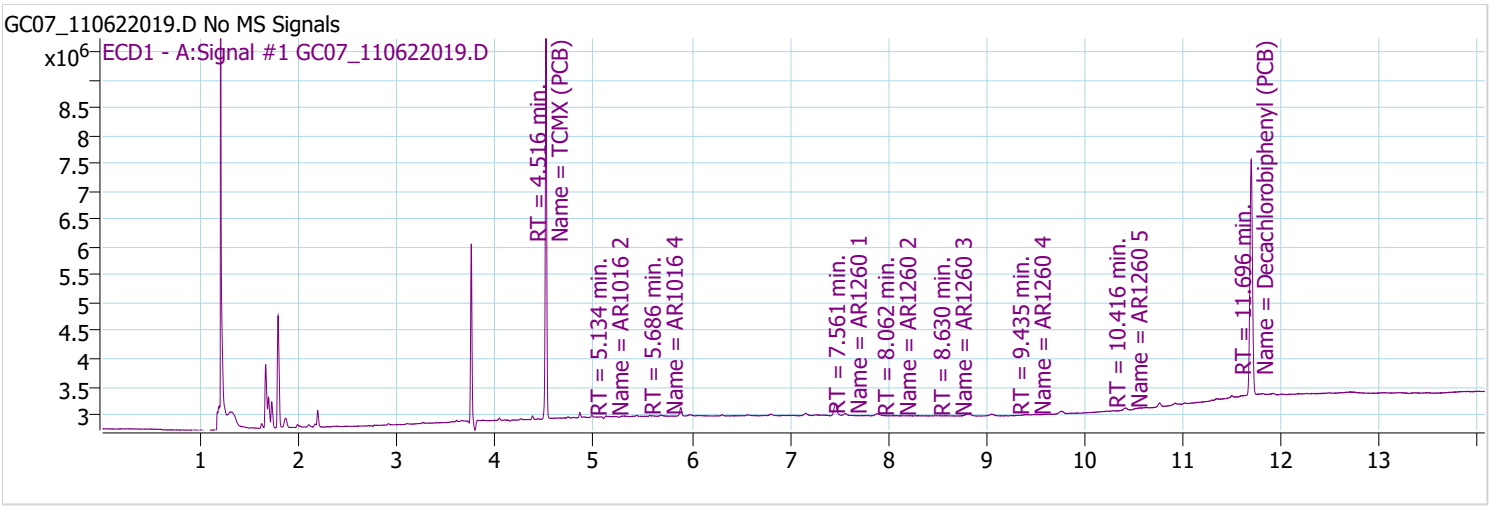
ISTD (CCV gc07_110622004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.02	4.02	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.76	3.76	0.00

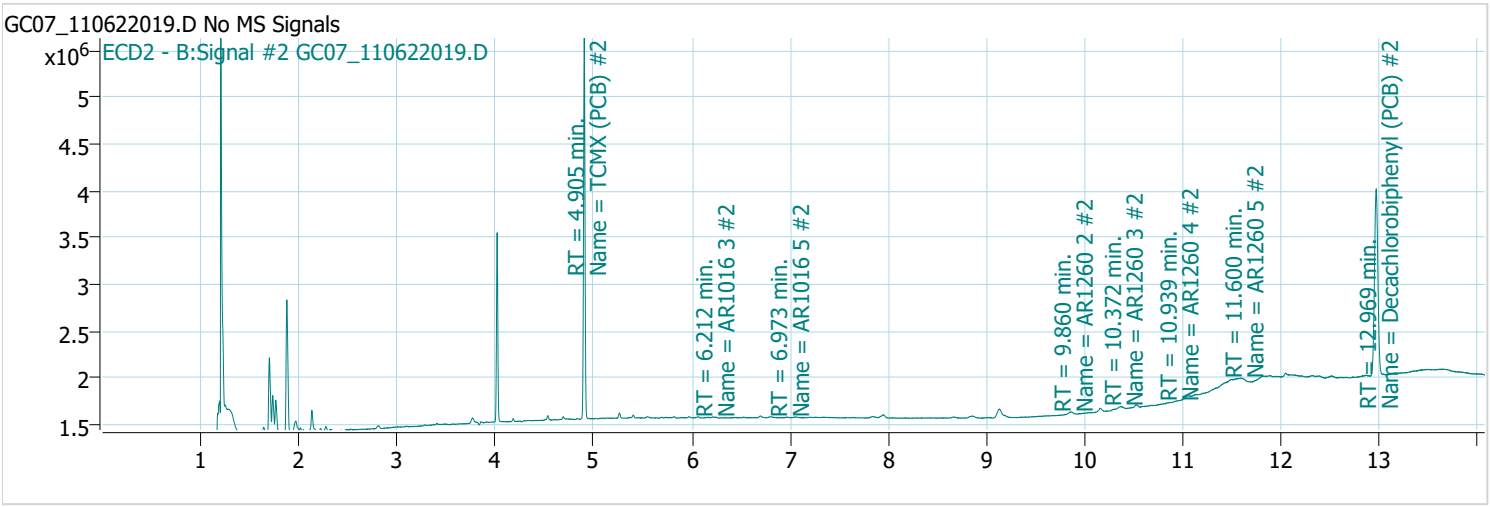
Analyst: TRN 11/07/22 *

Reviewer: LW 11/09/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_110622019.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/6/2022 7:20:10 PM
Sample Name	QC1023077, 300277, 1	Instrument	SVOA-GC07
Vial	6	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	WIPE/1DM^2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	110622PCB.batch.bin	Last Calib Update	11/6/2022 4:04:27 PM
Ref Library			



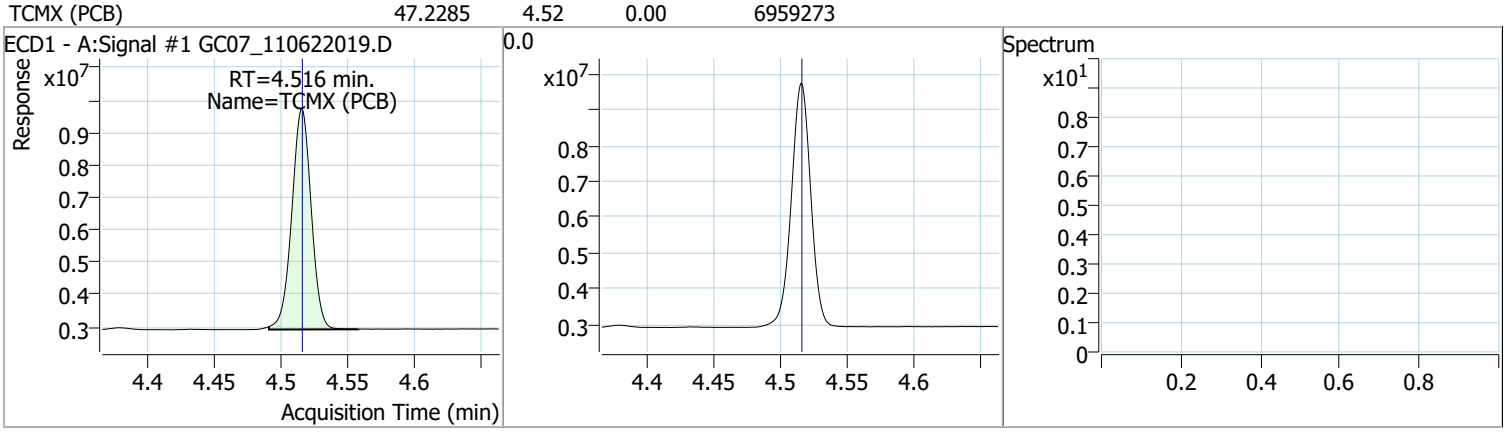


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.755	0.0	3189946.224	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.018	0.0	1888342.814	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.516	0.0	6959272.791	47.2285	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 236.14%		*	
S TCMX (PCB) #2	4.905	0.0	4293373.906	49.1302	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 245.65%		*	
S Decachlorobiphenyl (PCB)	11.696	0.0	7759778.895	39.9098	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.55%		*	
S Decachlorobiphenyl (PCB) #2	12.969	0.0	4767010.535	41.6997	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.50%		*	
Target Compounds							QValue

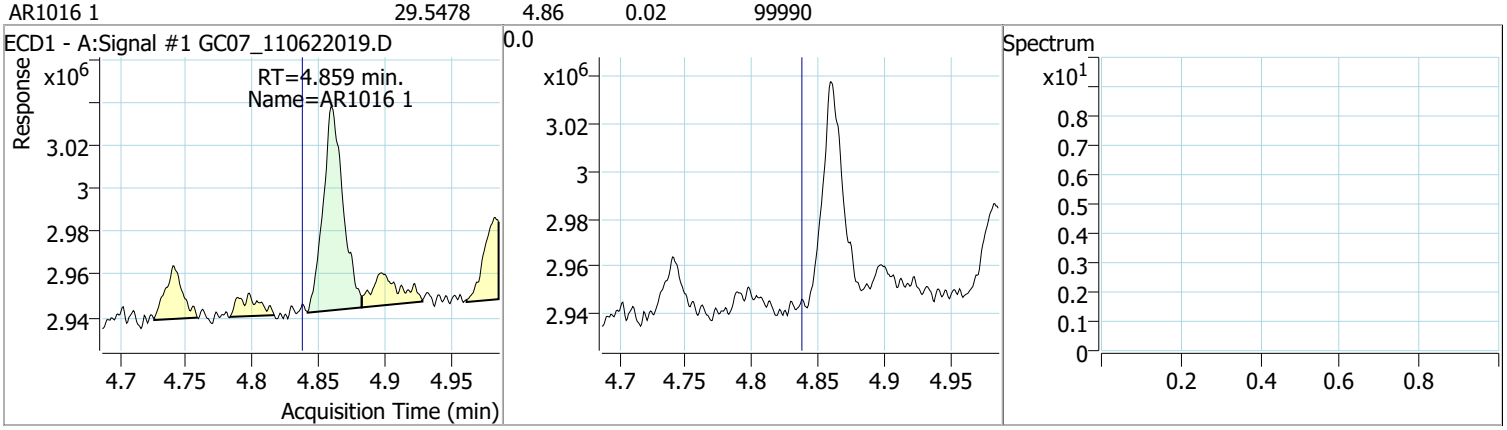
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.859	0.0	99990.179	29.5478	ng/ml	100
T AR1016 2	5.134	0.0	83086.688	11.9946	ng/ml	100
T AR1016 1 #2	5.369	0.0	9626.251	4.6894	ng/ml	100
T AR1016 3	5.544	0.0	1445.371	0.1724	ng/ml	100
T AR1016 4	5.686	0.0	47546.077	7.8738	ng/ml	100
T AR1016 2 #2	5.738	0.0	29887.103	6.8287	ng/ml	100
T AR1016 5	6.048	0.0	6927.459	1.3922	ng/ml	100
T AR1016 3 #2	6.212	0.0	36679.141	6.8141	ng/ml	100
T AR1016 4 #2	6.374	0.0	1088.186	0.2883	ng/ml	100
T AR1016 5 #2	6.973	0.0	15739.591	5.0203	ng/ml	100
T AR1260 1	7.561	0.0	72978.489	7.7848	ng/ml	100
T AR1260 2	8.062	0.0	2321.937	0.1601	ng/ml	100
T AR1260 3	8.630	0.0	2326.612	0.1540	ng/ml	100
T AR1260 1 #2	9.393	0.0	3577.740	0.5740	ng/ml	100
T AR1260 4	9.435	0.0	7765.487	0.8952	ng/ml	100
T AR1260 2 #2	9.860	0.0	104142.486	14.2126	ng/ml	100
T AR1260 3 #2	10.372	0.0	98786.517	11.1347	ng/ml	100
T AR1260 5	10.416	0.0	107429.325	10.1211	ng/ml	100
T AR1260 4 #2	10.939	0.0	2762.017	0.4869	ng/ml	100
T AR1260 5 #2	11.600	0.0	342766.898	40.5844	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

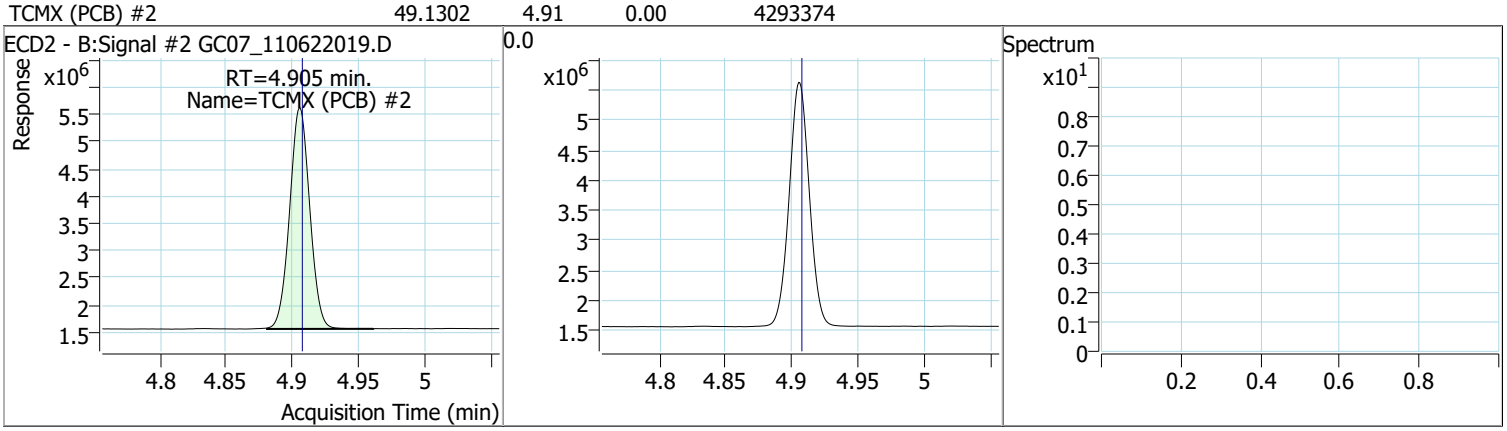
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	47.2285	4.52	0.00	6959273				



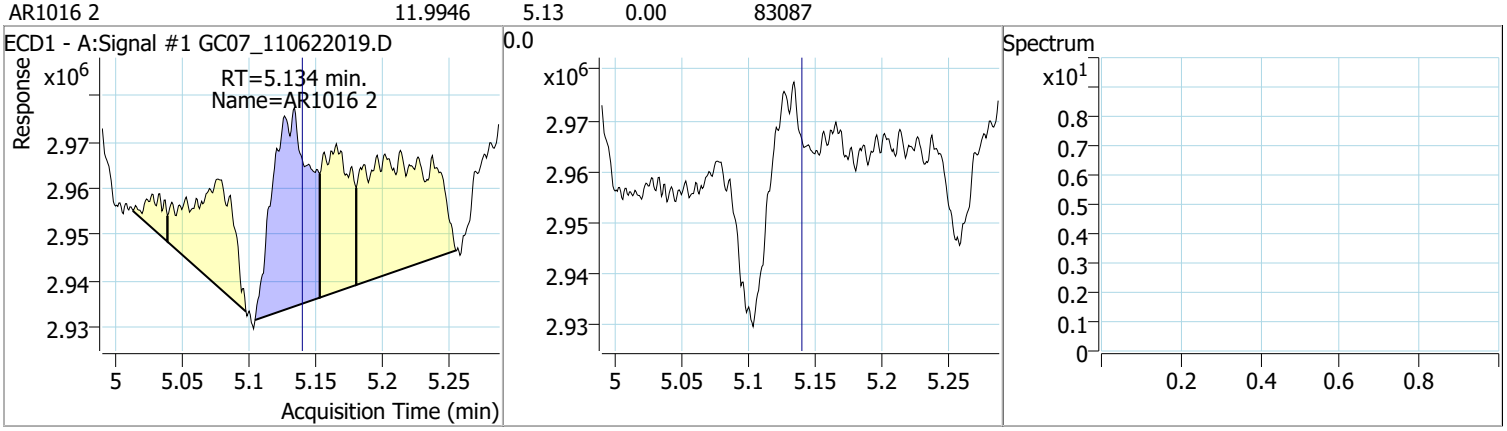
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	29.5478	4.86	0.02	99990				



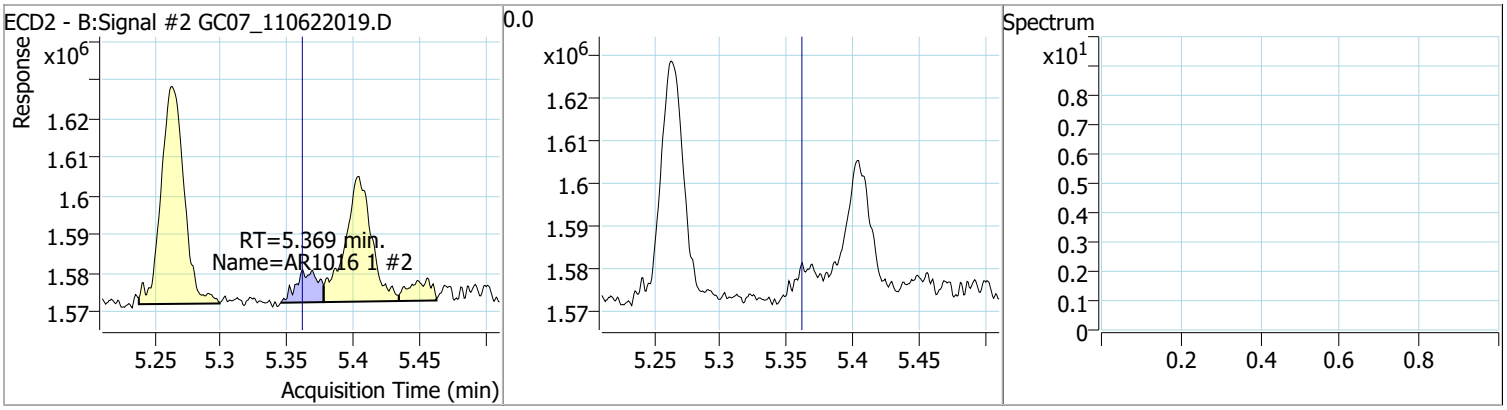
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	49.1302	4.91	0.00	4293374				



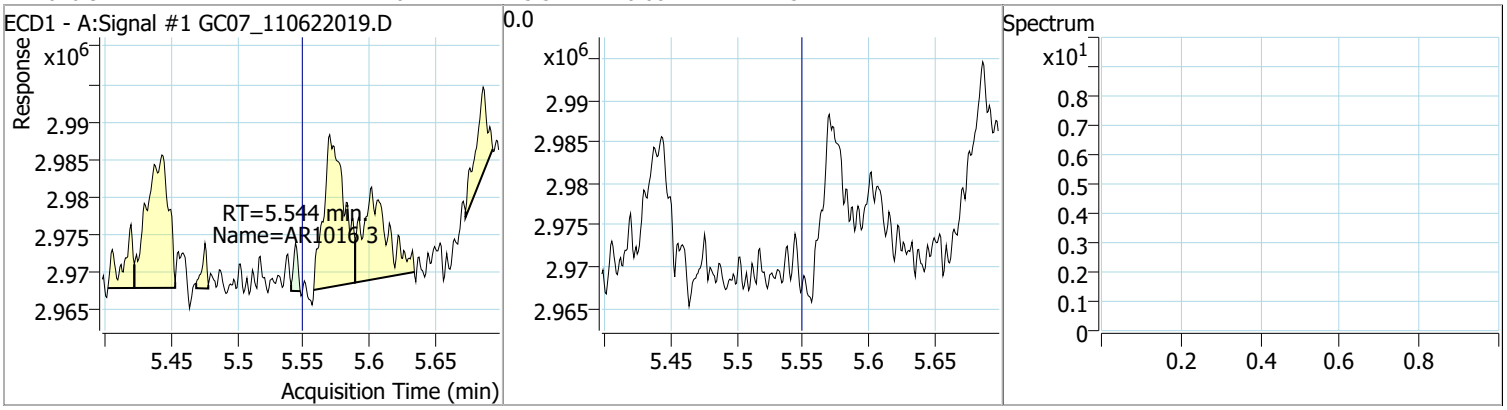
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	11.9946	5.13	0.00	83087				



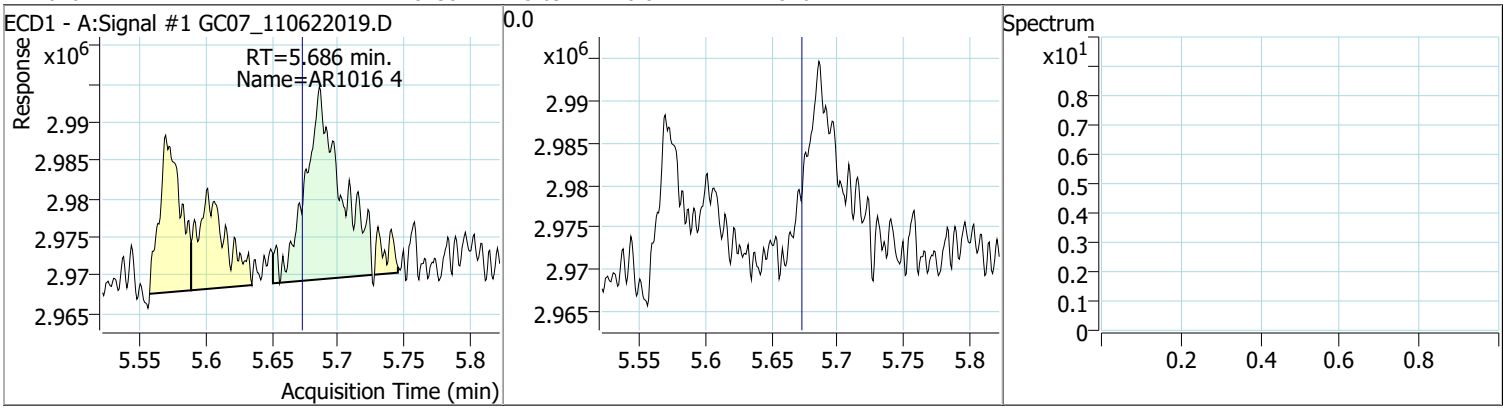
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	4.6894	5.37	0.01	9626				



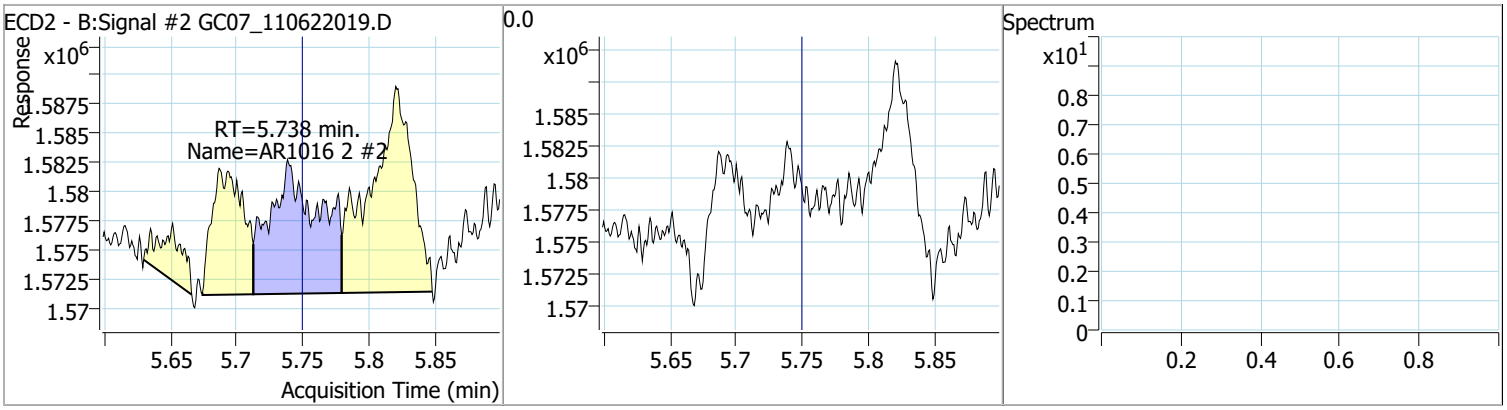
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.1724	5.54	0.00	1445				



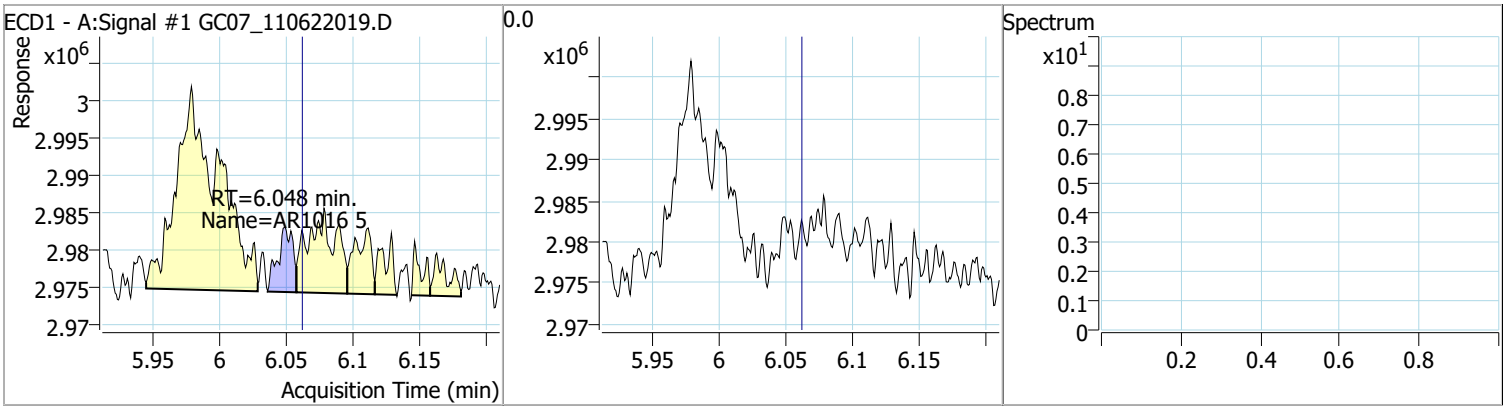
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.8738	5.69	0.01	47546				



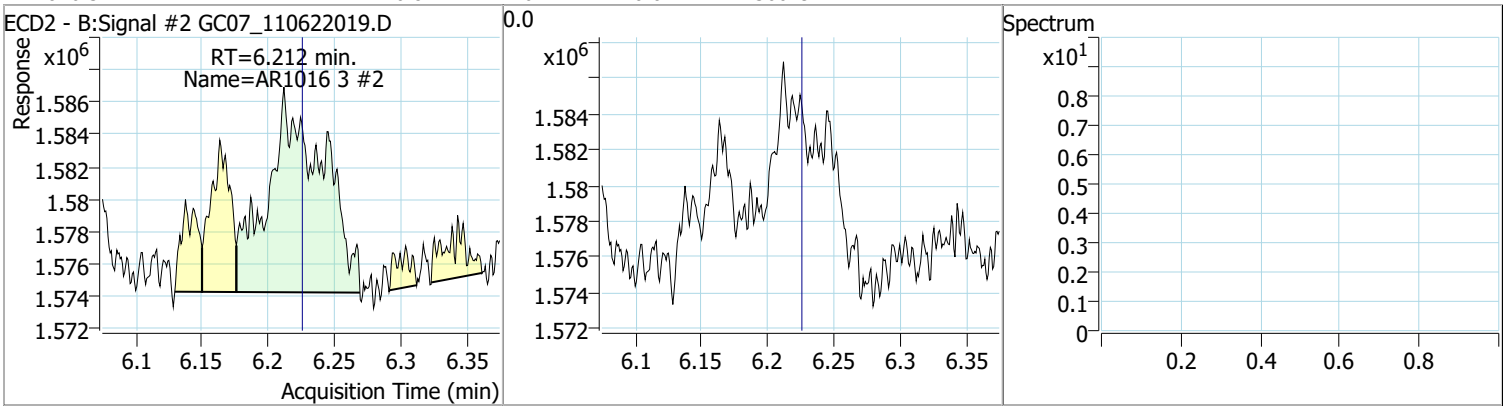
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	6.8287	5.74	-0.01	29887				



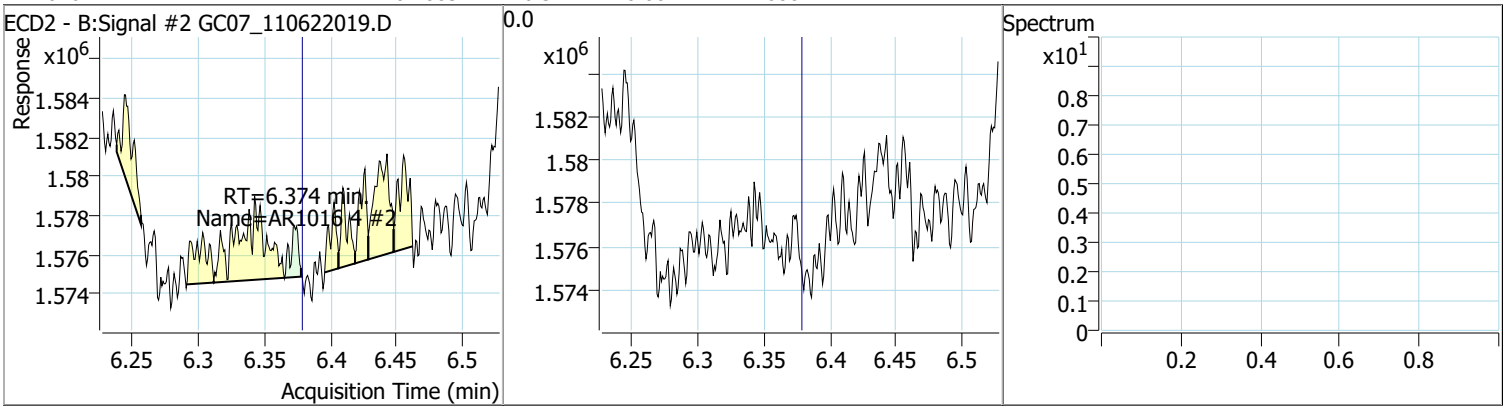
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1.3922	6.05	-0.01	6927				



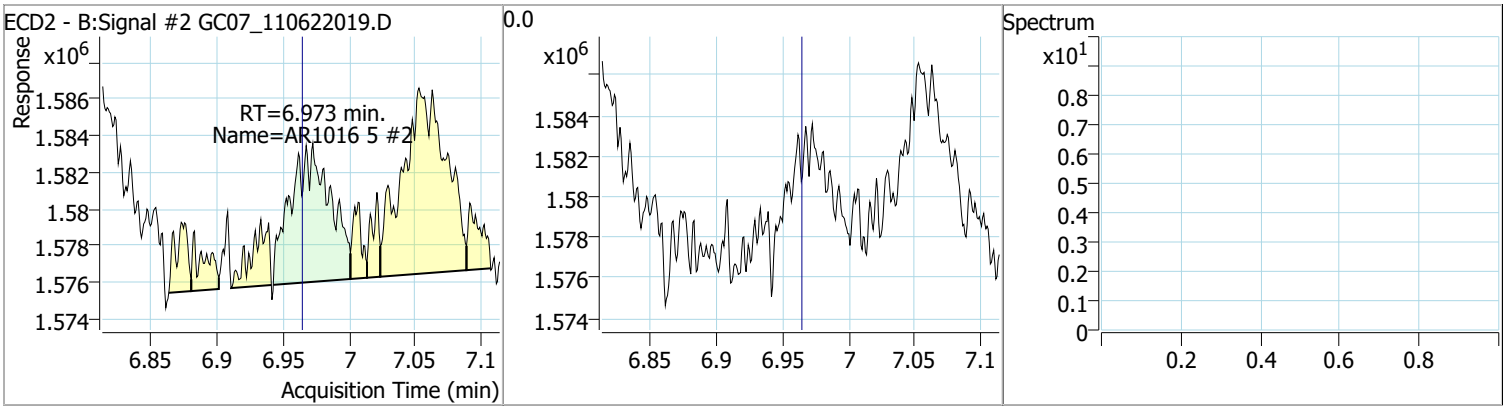
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	6.8141	6.21	-0.01	36679				



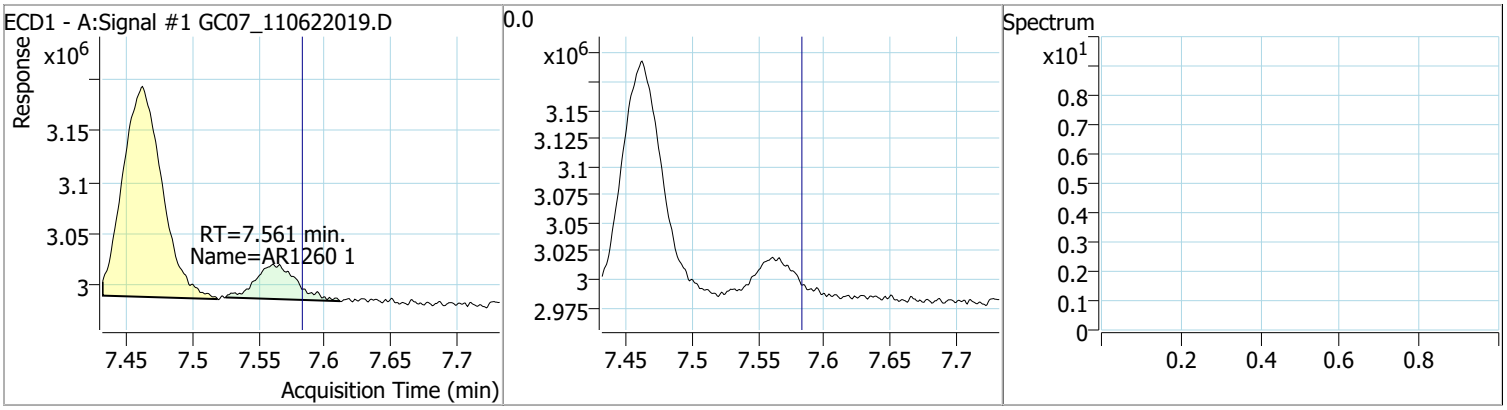
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.2883	6.37	0.00	1088				



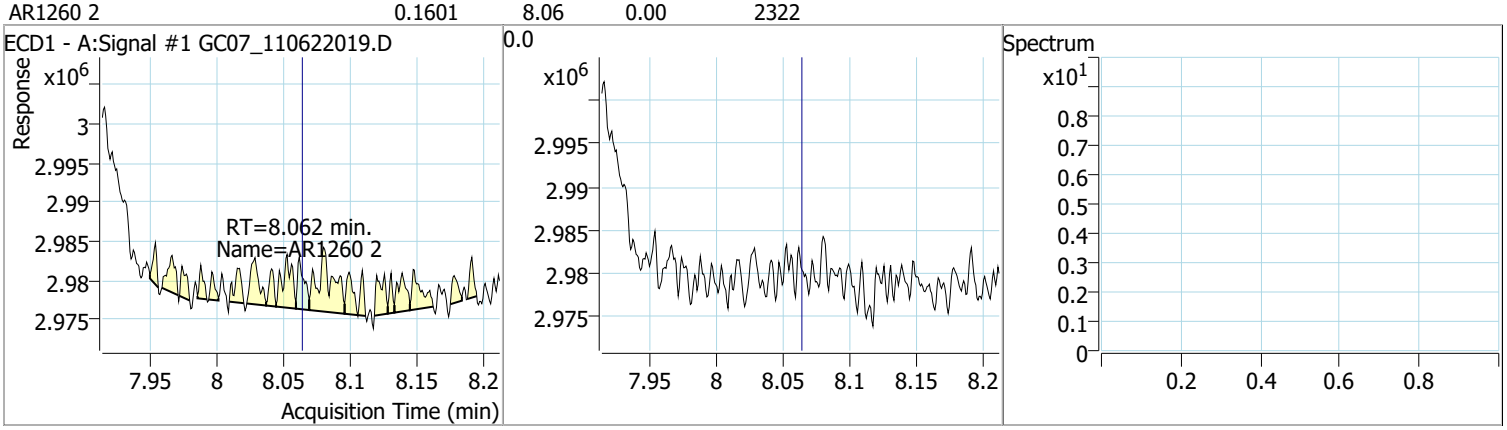
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AR1016 5 #2	5.0203	6.97	0.01	15740				



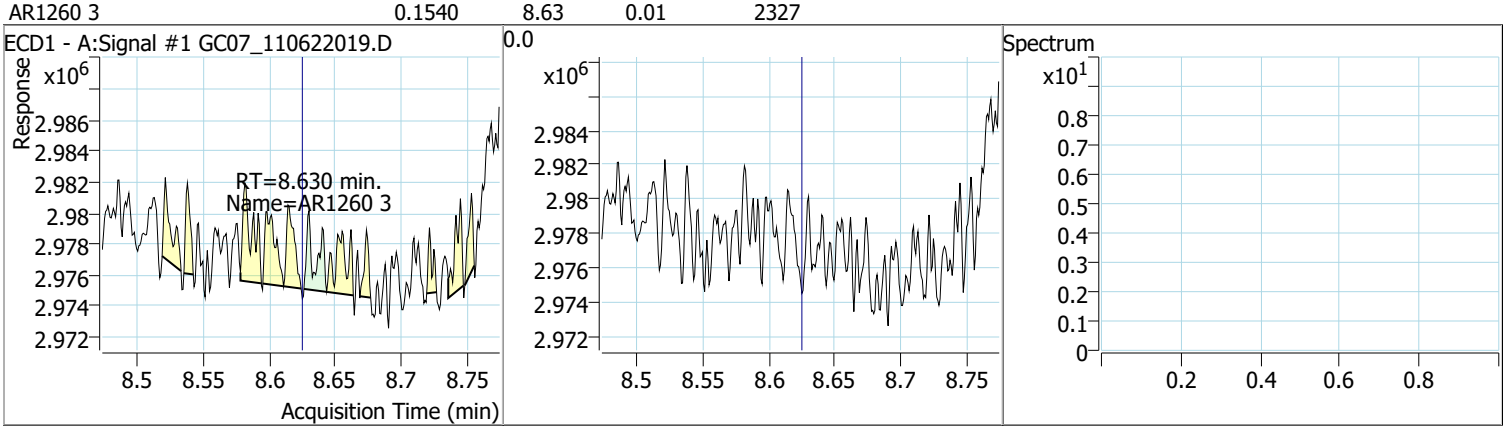
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	7.7848	7.56	-0.02	72978				



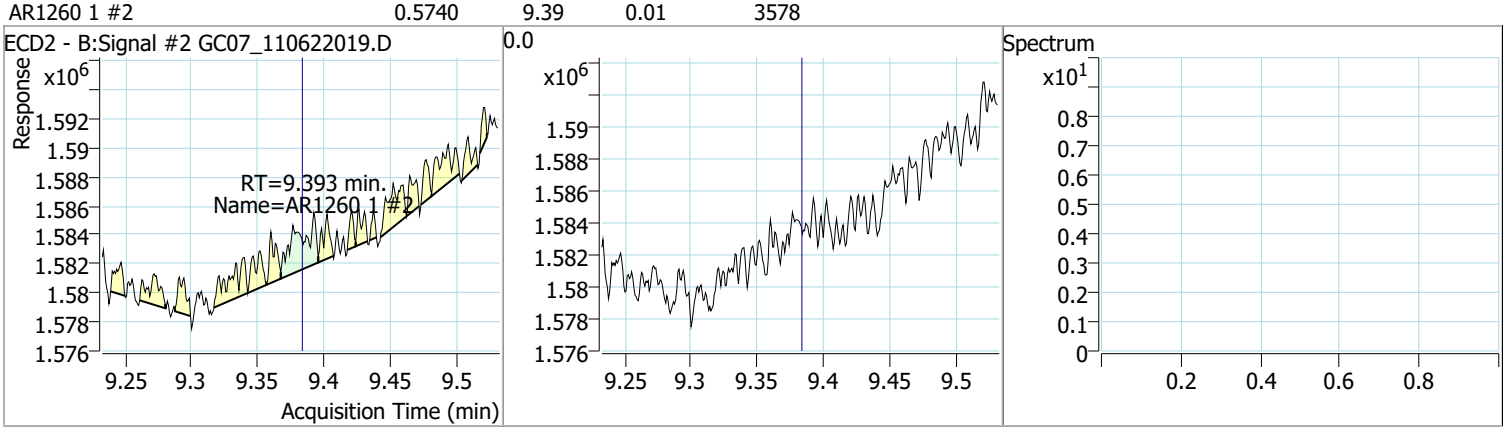
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1601	8.06	0.00	2322				



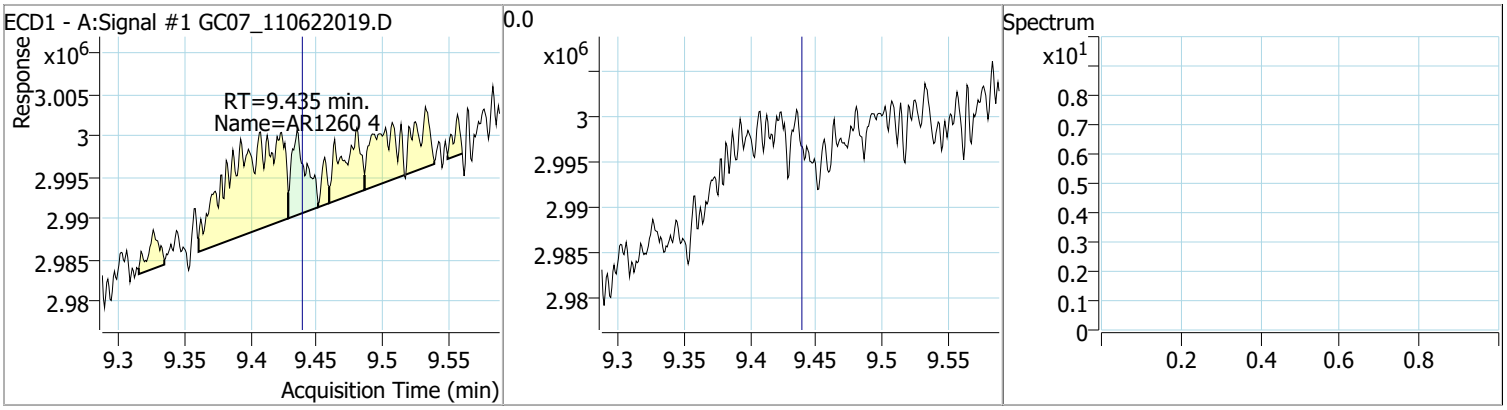
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AR1260 3	0.1540	8.63	0.01	2327				



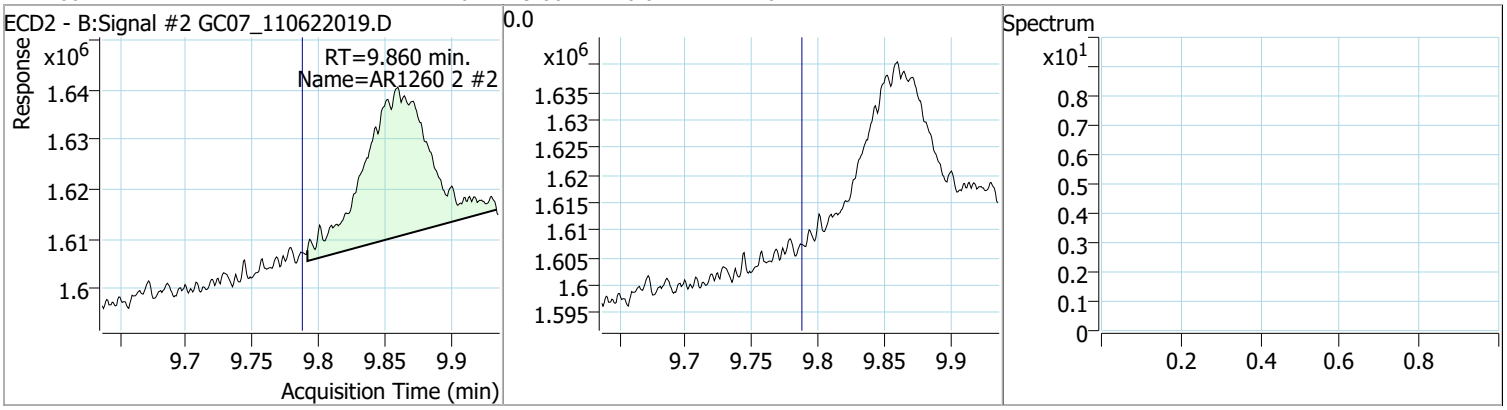
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.5740	9.39	0.01	3578				



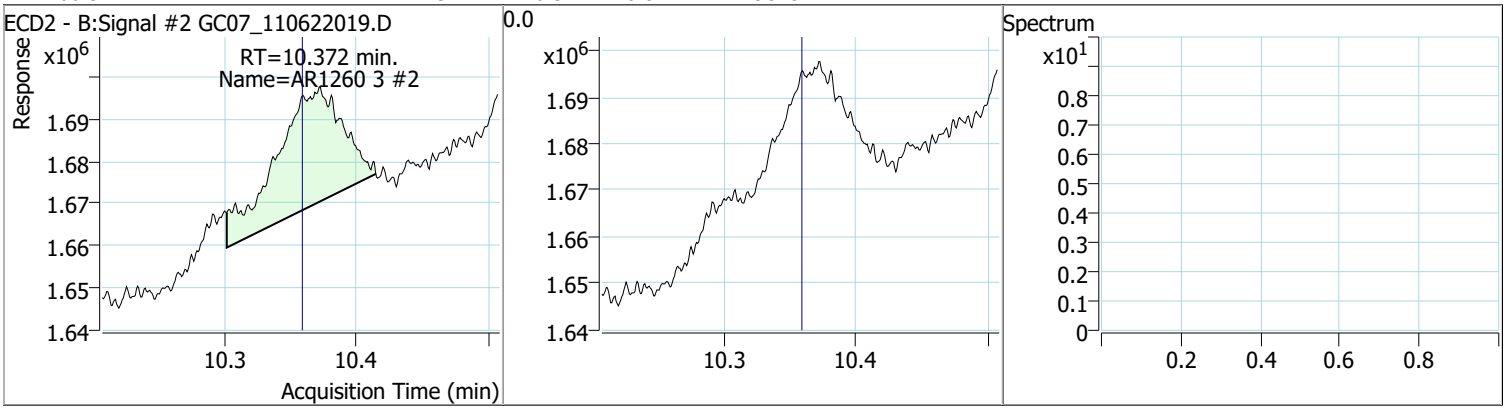
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	0.8952	9.44	0.00	7765				



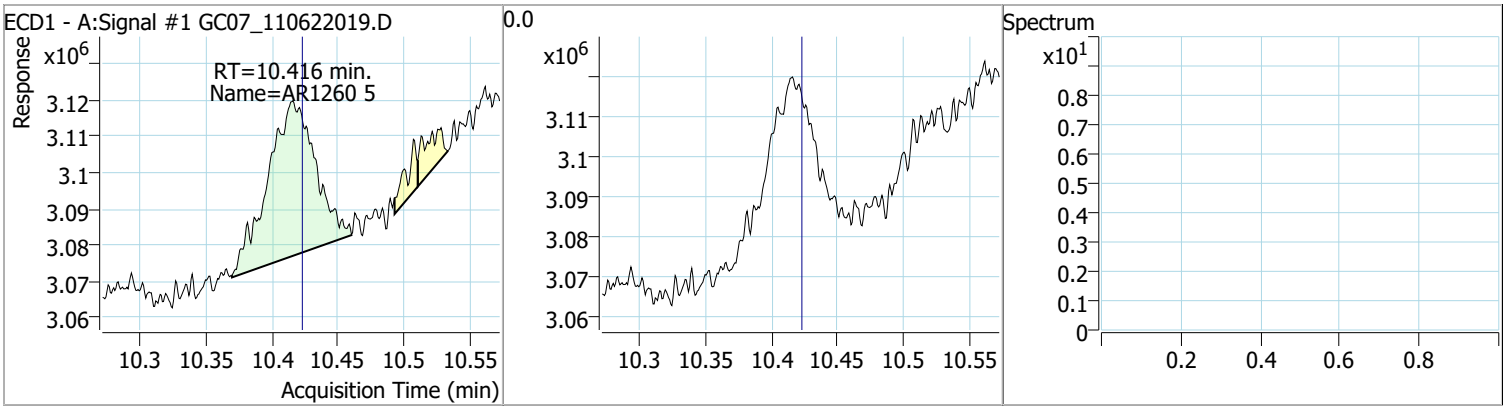
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AR1260 2 #2	14.2126	9.86	0.07	104142				



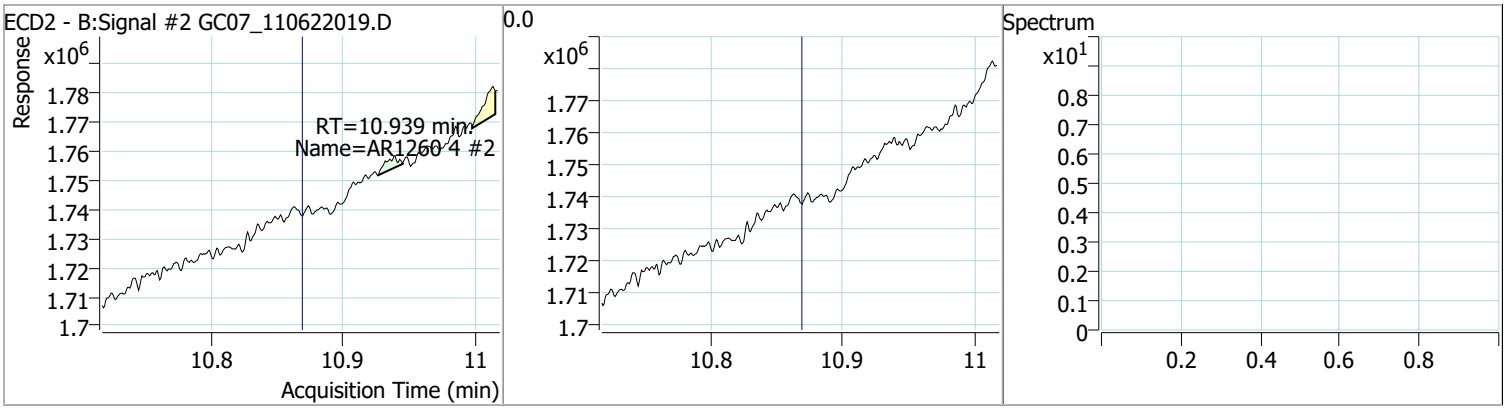
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.1347	10.37	0.01	98787				



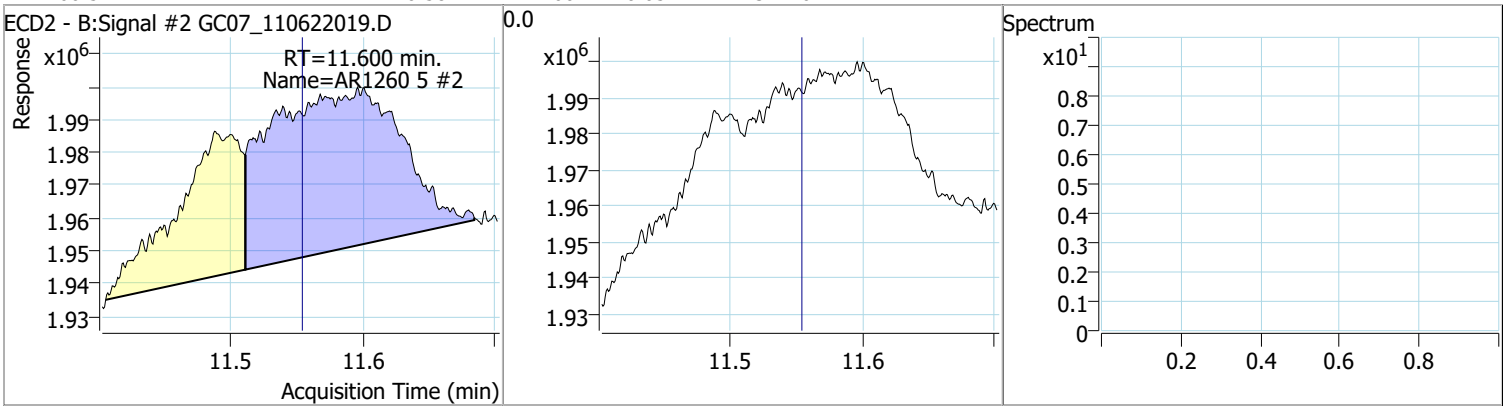
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	10.1211	10.42	-0.01	107429				



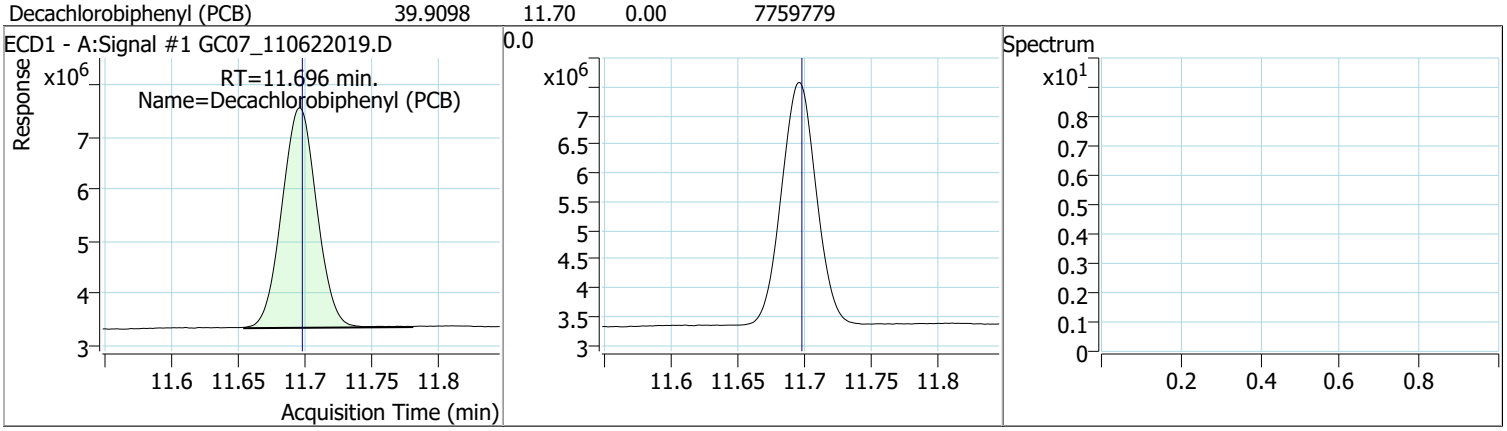
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.4869	10.94	0.07	2762				



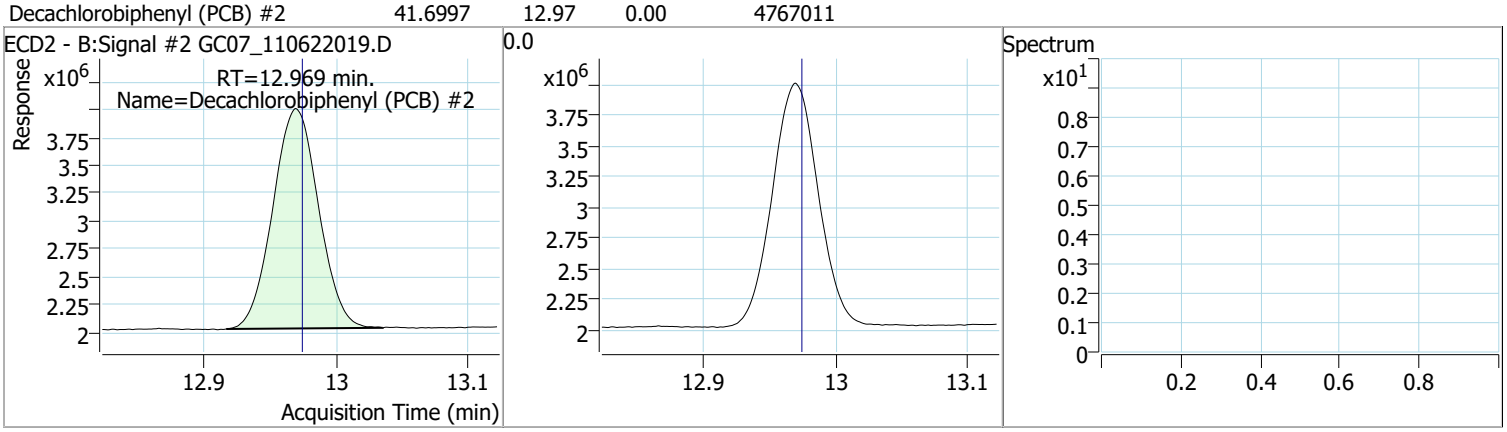
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	40.5844	11.60	0.05	342767				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.9098	11.70	0.00	7759779				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.6997	12.97	0.00	4767011				



ENTHALPY SPIKE USER REPORT FOR 471955 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	462447281020.3	Seqnum:	462447281021.3
File:	gc07_110622020	File:	gc07_110622021
IDF:	1.0	IDF:	1.0
Lab ID:	QC1023078	Lab ID:	QC1023079
Matrix:	Wipe	Matrix:	Wipe
Batch:	300277	Batch:	300277
Time:	06-NOV-2022 19:37	Time:	06-NOV-2022 19:54
Cal:	462445893001	Cal:	462445893001
Units:	ug/dm2		

- BS: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF
- BSD: 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Aroclor-1016	5.000	483.4	4.834	A	97	444.1	4.441	A	89	60-140	8	20	u
Aroclor-1016 Peak # 1		507.8	5.078	A		472.0	4.720	A					
Aroclor-1016 Peak # 2		474.4	4.744	A		433.8	4.338	A					
Aroclor-1016 Peak # 3		472.9	4.729	A		435.8	4.358	A					
Aroclor-1016 Peak # 4		486.8	4.868	A		444.1	4.441	A					
Aroclor-1016 Peak # 5		475.0	4.750	A		434.7	4.347	A					
Aroclor-1260	5.000	506.3	5.063	A	101	457.2	4.572	A	91	60-140	10	20	u
Aroclor-1260 Peak # 1		529.4	5.294	A		476.4	4.764	A					
Aroclor-1260 Peak # 2		511.6	5.116	A		461.1	4.611	A					
Aroclor-1260 Peak # 3		513.2	5.132	A		461.7	4.617	A					
Aroclor-1260 Peak # 4		514.9	5.149	A		467.1	4.671	A					
Aroclor-1260 Peak # 5		462.4	4.624	A		419.5	4.195	A					
Surrogates													
TCMX (PCB)	0.5000	48.97	0.4897	A	98	44.86	0.4486	A	90	52-186			u
Decachlorobiphenyl (PCB)	0.5000	39.54	0.3954	A	79	36.63	0.3663	A	73	60-140			u

ISTD (CCV gc07_110622004)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2140965	1637165	-23.53
1-bromo-2-nitrobenzene (PCB)	A	3447381	2769695	-19.66

ISTD (CCV gc07_110622004)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.02	4.02	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.76	3.76	0.00

ISTD (CCV gc07_110622004)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	2140965	1786622	-16.55
1-bromo-2-nitrobenzene (PCB)	A	3447381	2972559	-13.77

ISTD (CCV gc07_110622004)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.02	4.02	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.76	3.75	-0.01

TRN 11/07/22 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for all channels for spike & dup. [general version]

TRN 11/07/22 [Aroclor-1016 Peak # 5 A]: Separated from coeluting peak for Ch. A for spike & dup. [general version]

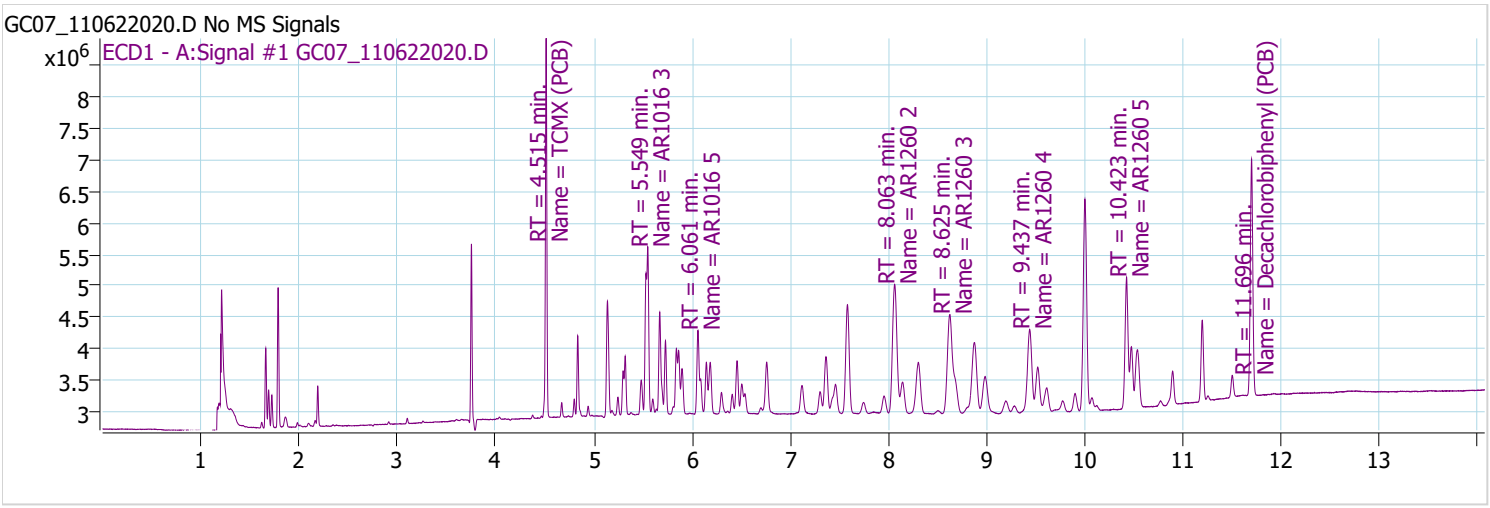
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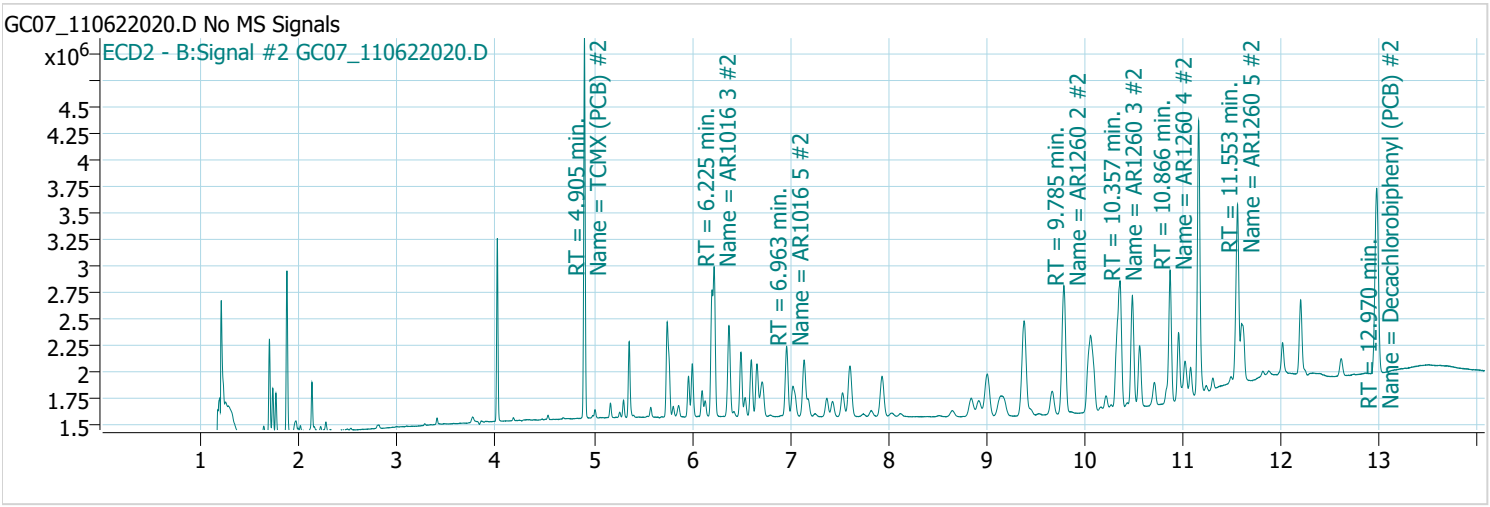
Analyst: TRN 11/07/22 *

Reviewer: LW 11/09/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_110622020.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/6/2022 7:37:33 PM
Sample Name	QC1023078, 300277, 1	Instrument	SVOA-GC07
Vial	7	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	WIPE/1DM^2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	110622PCB.batch.bin	Last Calib Update	11/6/2022 4:04:27 PM
Ref Library			



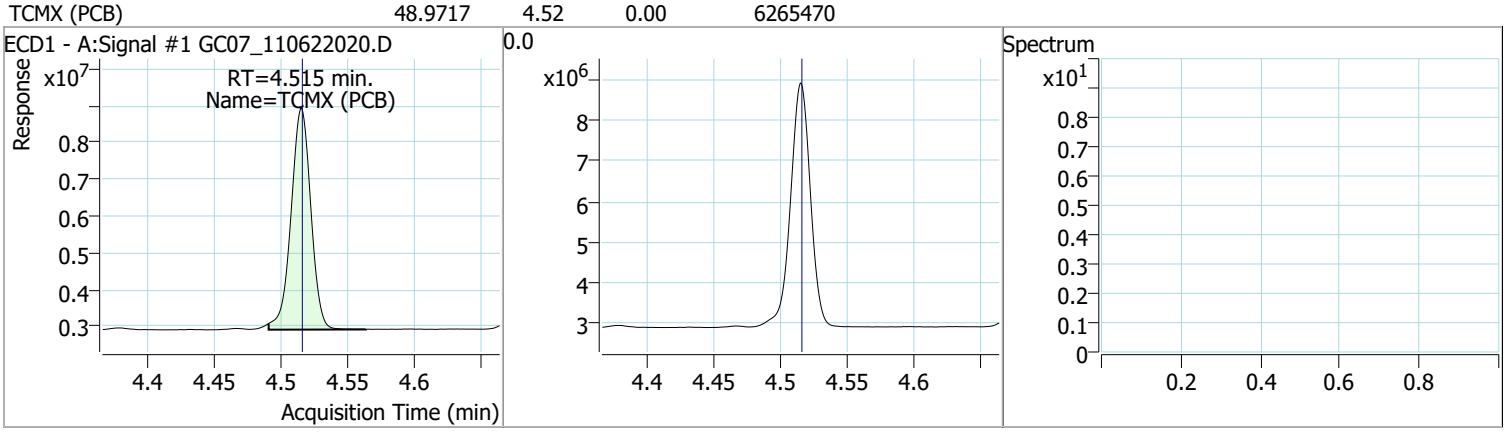


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.755	0.0	2769694.685	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.018	0.0	1637164.700	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.515	0.0	6265470.444	48.9717	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 244.86%		*	
S TCMX (PCB) #2	4.905	0.0	3813884.873	50.3391	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 251.70%		*	
S Decachlorobiphenyl (PCB)	11.696	0.0	6675506.935	39.5426	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.71%		*	
S Decachlorobiphenyl (PCB) #2	12.970	0.0	4209858.732	42.4760	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.38%		*	
Target Compounds							QValue

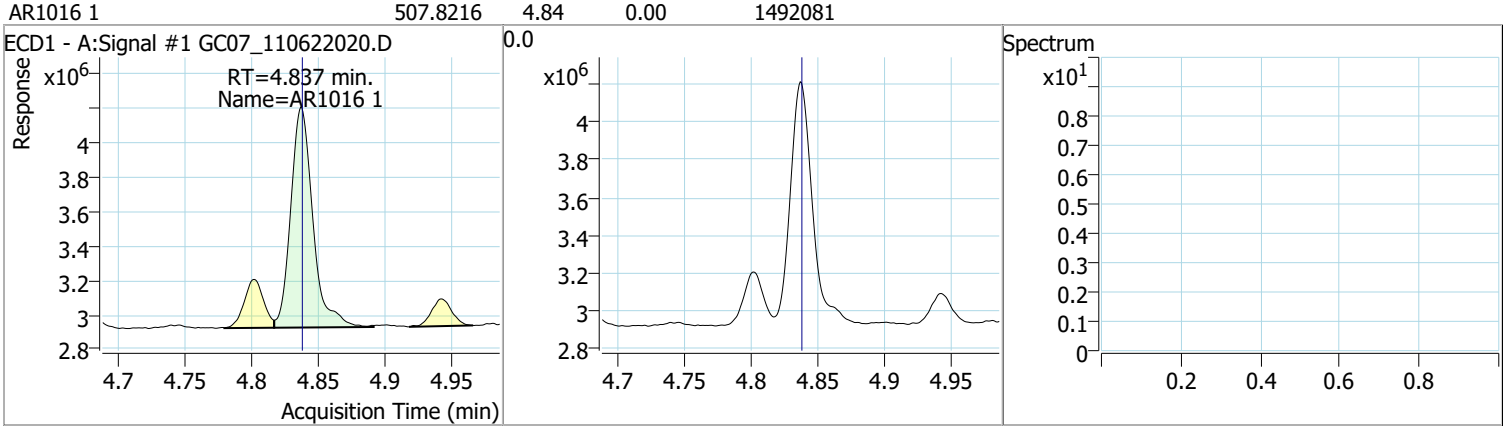
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.837	0.0	1492081.215	507.8216	ng/ml		100
T AR1016 2	5.139	0.0	2853220.847	474.3953	ng/ml		100
T AR1016 1 #2	5.361	0.0	1031516.552	579.5984	ng/ml		100
T AR1016 3	5.549	0.0	3443096.415	472.9236	ng/ml	m	100
T AR1016 4	5.672	0.0	2552506.429	486.8406	ng/ml		100
T AR1016 2 #2	5.748	0.0	1843250.428	485.7669	ng/ml		100
T AR1016 5	6.061	0.0	2052147.342	474.9801	ng/ml	m	100
T AR1016 3 #2	6.225	0.0	2197483.667	470.8753	ng/ml	m	100
T AR1016 4 #2	6.376	0.0	1608505.546	491.4722	ng/ml		100
T AR1016 5 #2	6.963	0.0	1337072.260	491.9006	ng/ml		100
T AR1260 1	7.583	0.0	4308971.526	529.3937	ng/ml		100
T AR1260 2	8.063	0.0	6440507.338	511.6019	ng/ml		100
T AR1260 3	8.625	0.0	6732267.005	513.2572	ng/ml		100
T AR1260 1 #2	9.380	0.0	2711767.148	501.8092	ng/ml		100
T AR1260 4	9.437	0.0	3878038.428	514.8958	ng/ml		100
T AR1260 2 #2	9.785	0.0	3263617.719	513.7296	ng/ml		100
T AR1260 3 #2	10.357	0.0	3897146.567	506.6581	ng/ml		100
T AR1260 5	10.423	0.0	4261886.273	462.4451	ng/ml		100
T AR1260 4 #2	10.866	0.0	2442641.806	496.6625	ng/ml		100
T AR1260 5 #2	11.553	0.0	3537617.916	483.1247	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

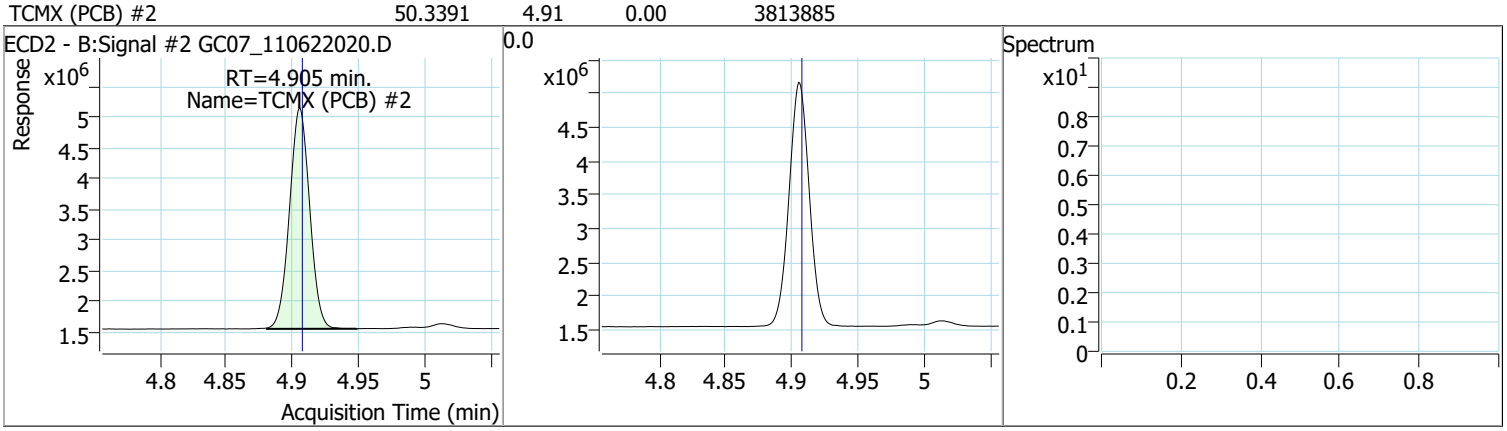
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	48.9717	4.52	0.00	6265470				



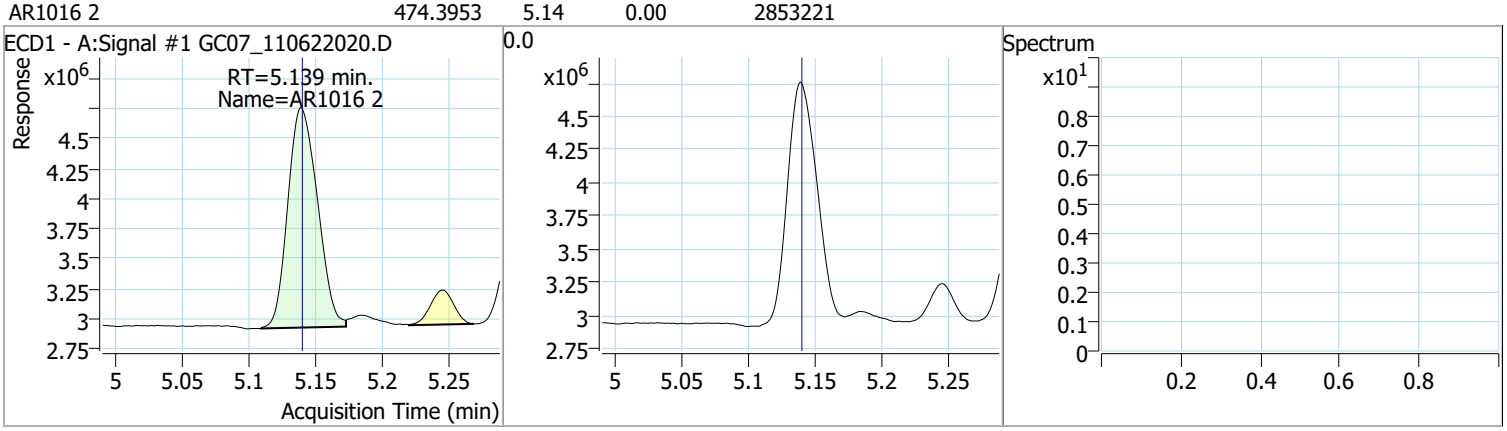
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	507.8216	4.84	0.00	1492081				



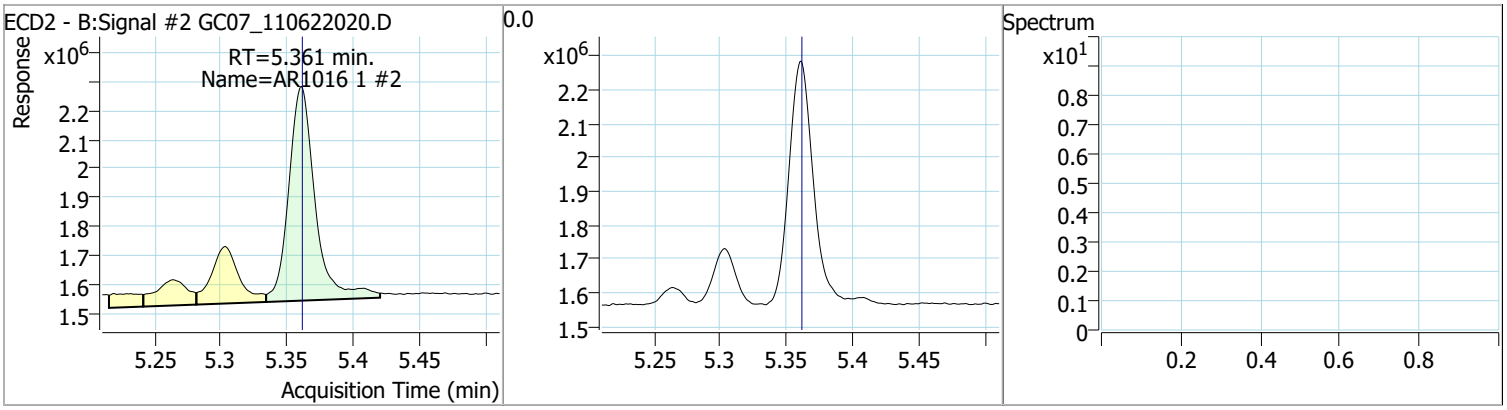
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	50.3391	4.91	0.00	3813885				



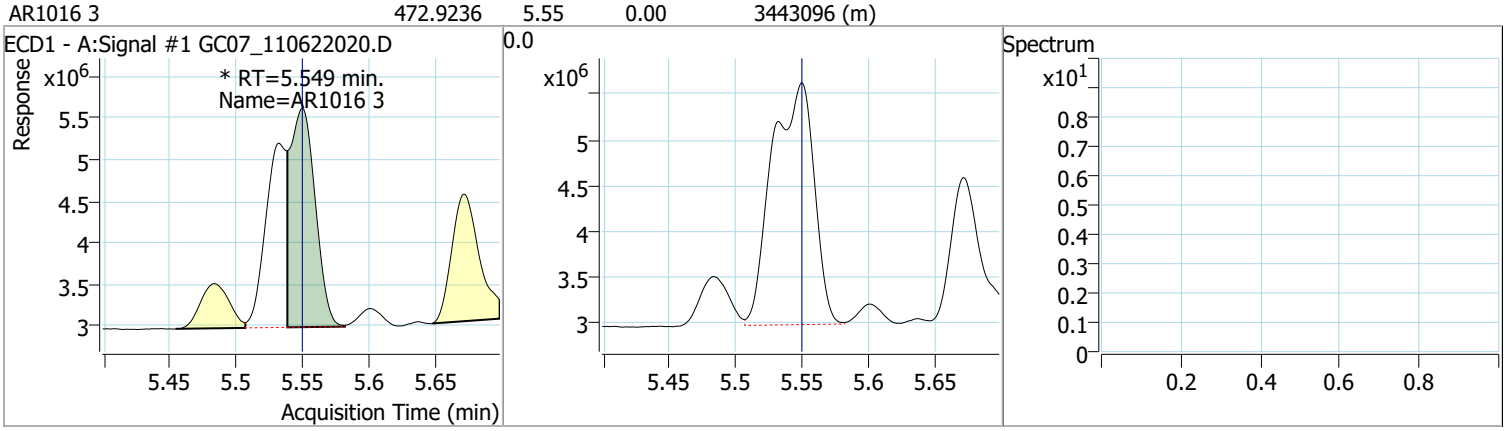
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	474.3953	5.14	0.00	2853221				



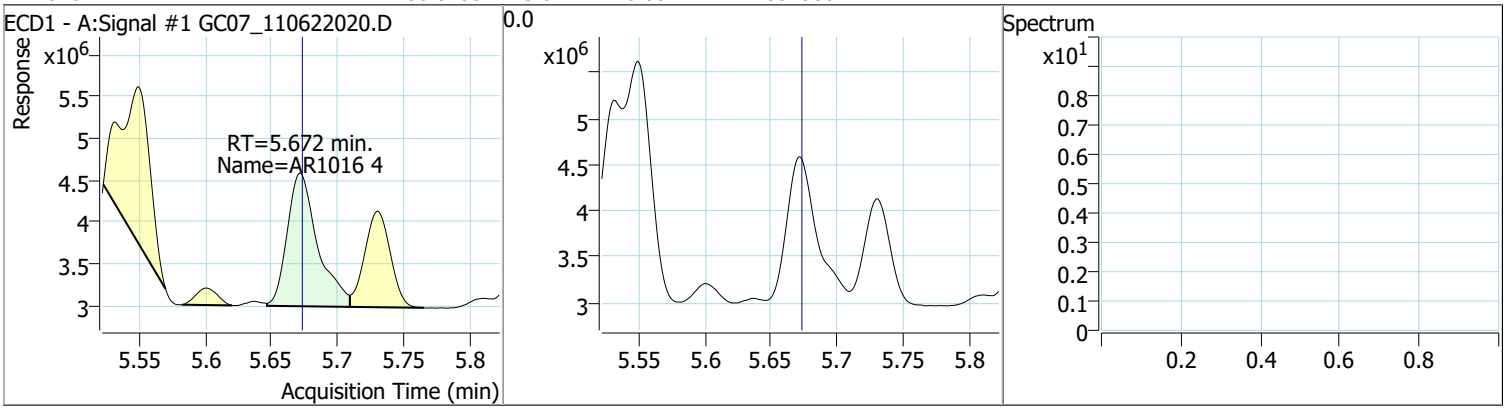
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	579.5984	5.36	0.00	1031517				



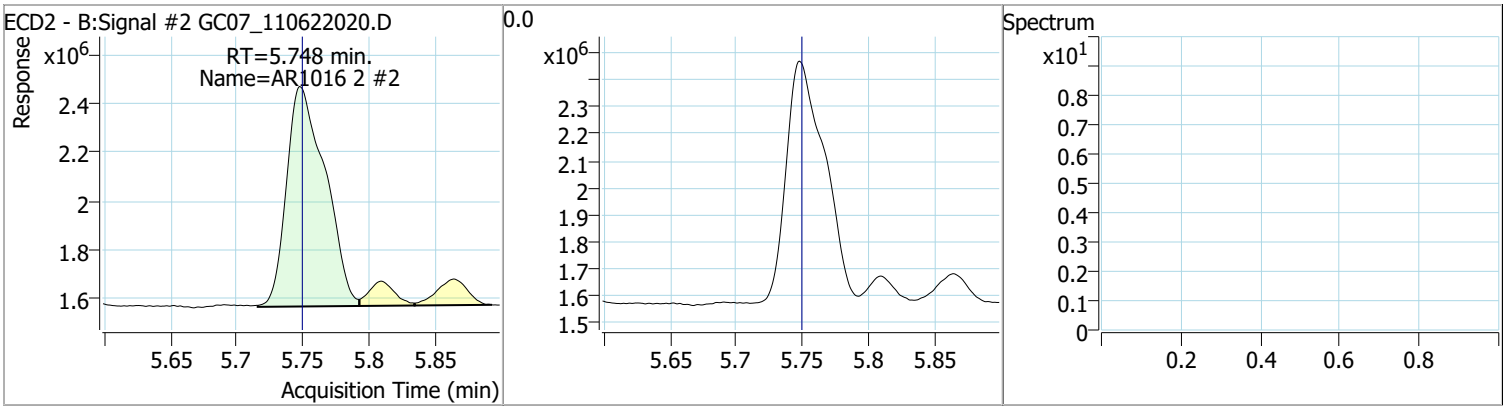
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	472.9236	5.55	0.00	3443096 (m)				



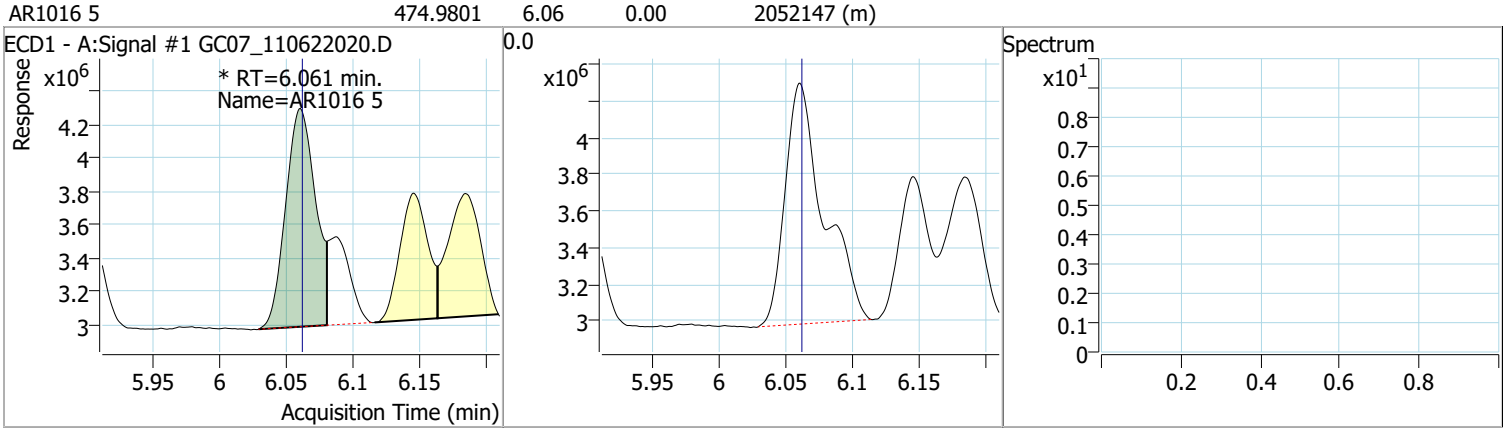
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	486.8406	5.67	0.00	2552506				



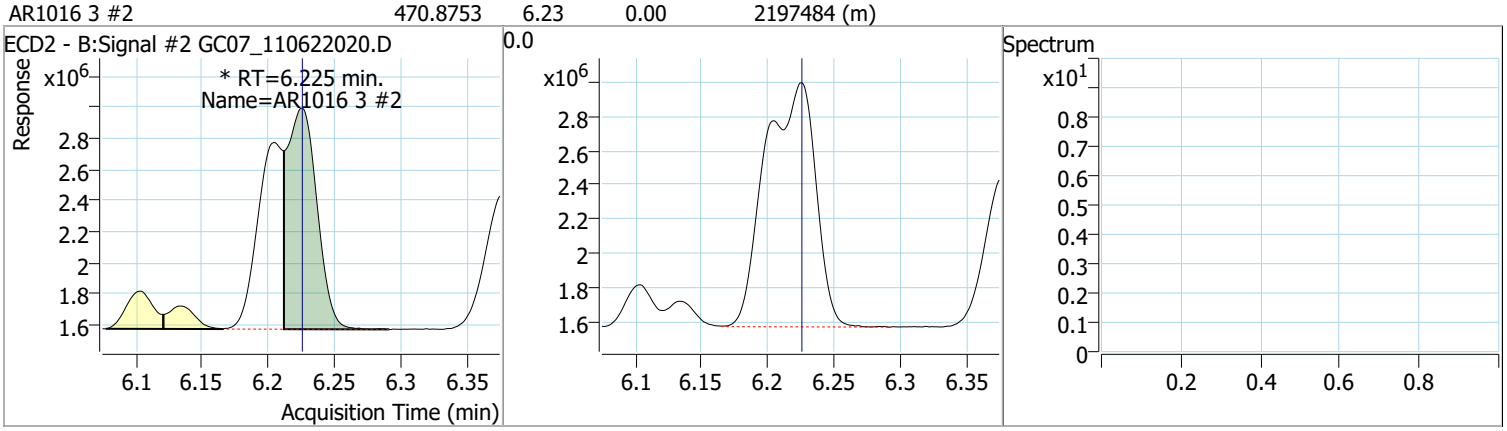
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	485.7669	5.75	0.00	1843250				



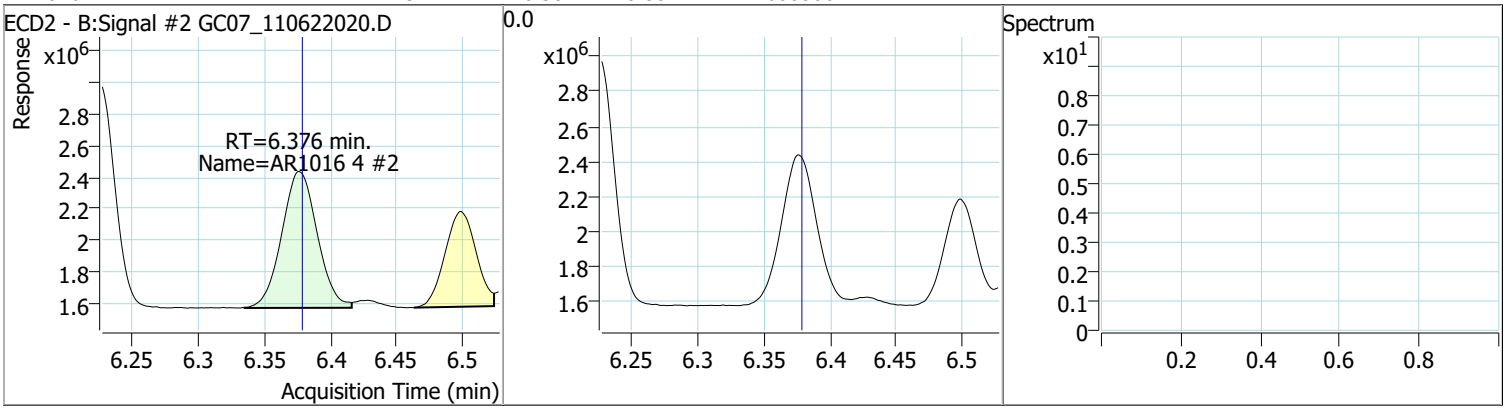
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	474.9801	6.06	0.00	2052147 (m)				



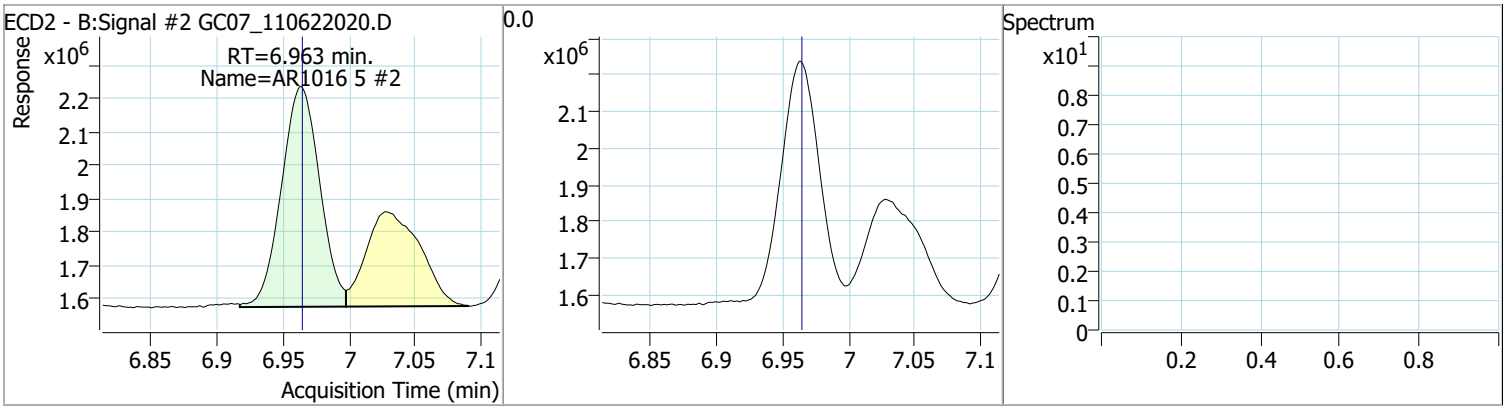
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	470.8753	6.23	0.00	2197484 (m)				



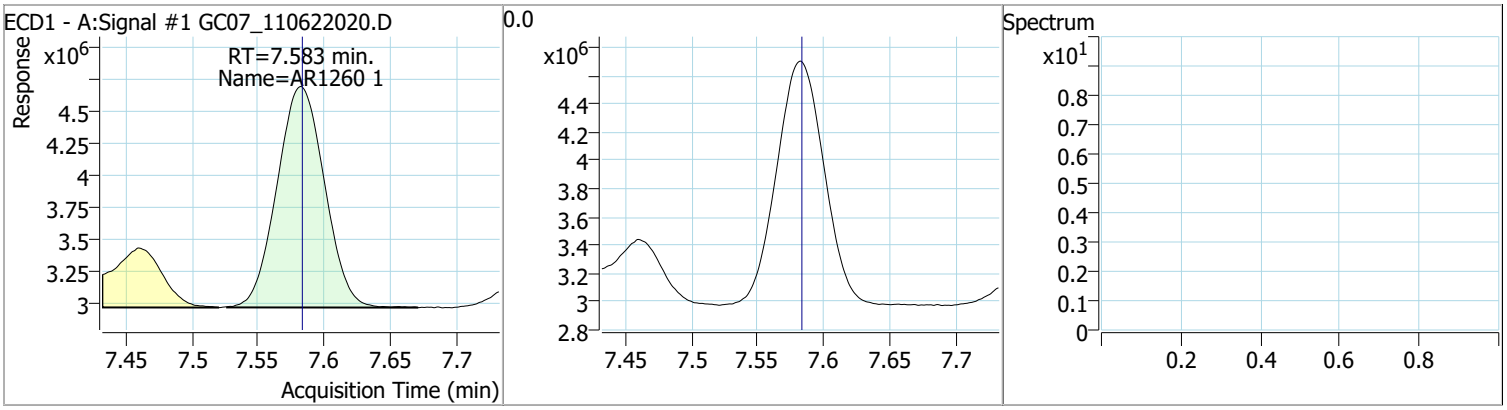
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	491.4722	6.38	0.00	1608506				



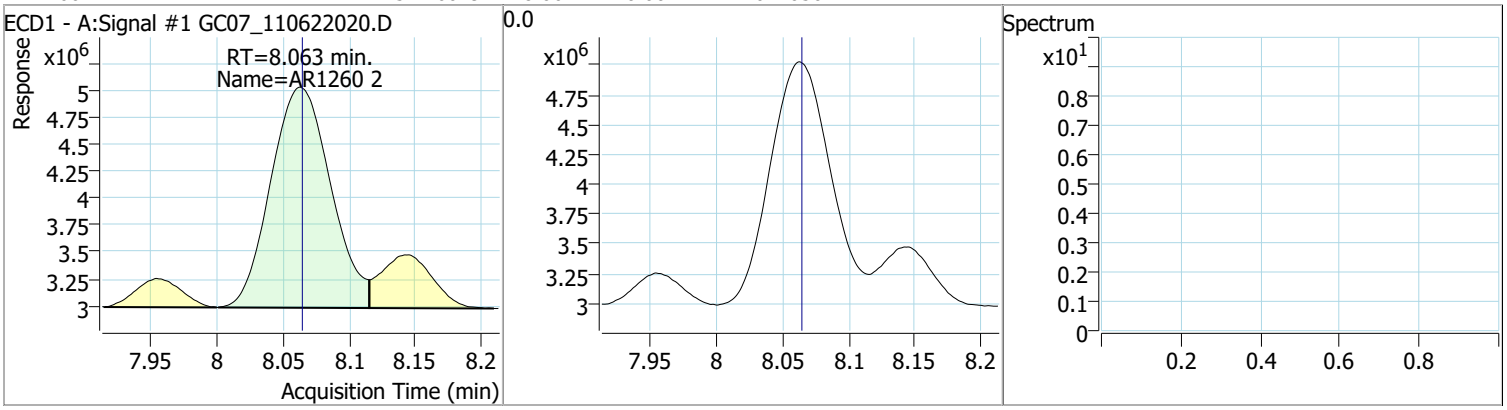
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	491.9006	6.96	0.00	1337072				



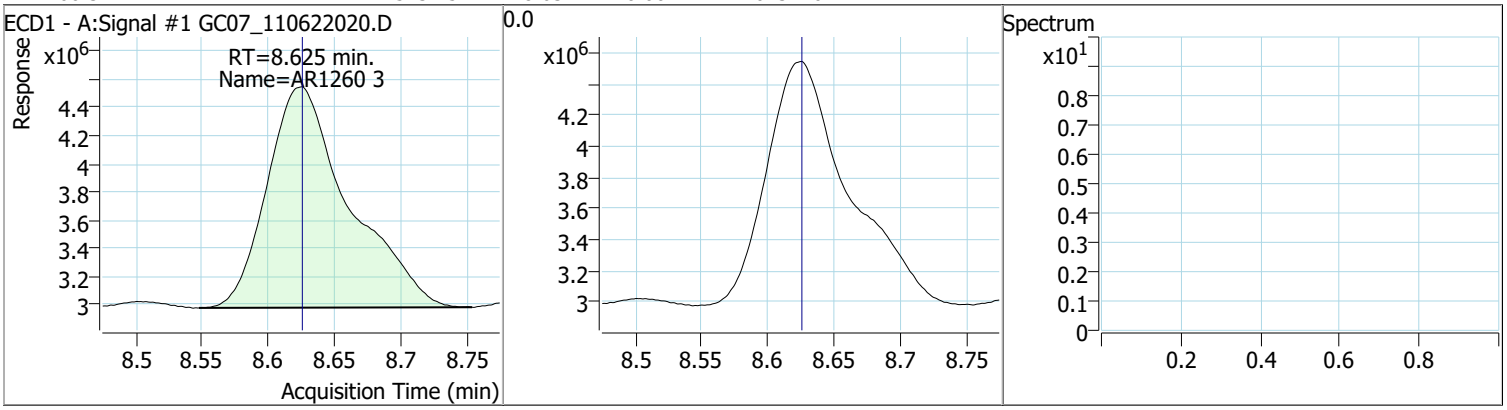
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	529.3937	7.58	0.00	4308972				



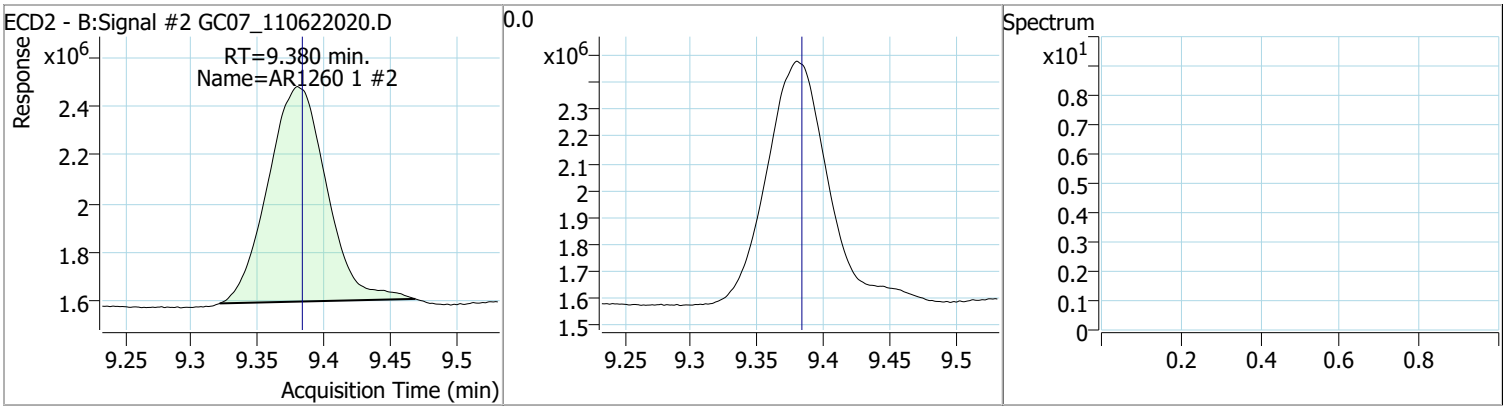
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	511.6019	8.06	0.00	6440507				



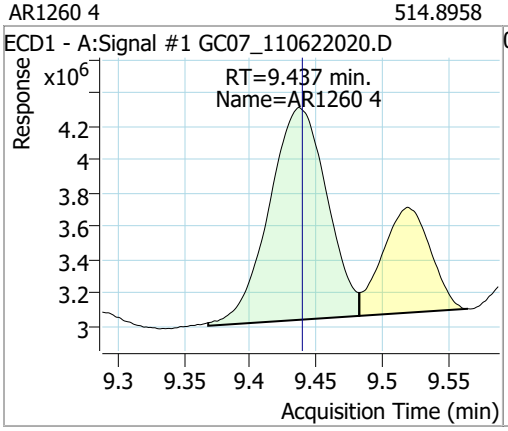
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	513.2572	8.63	0.00	6732267				

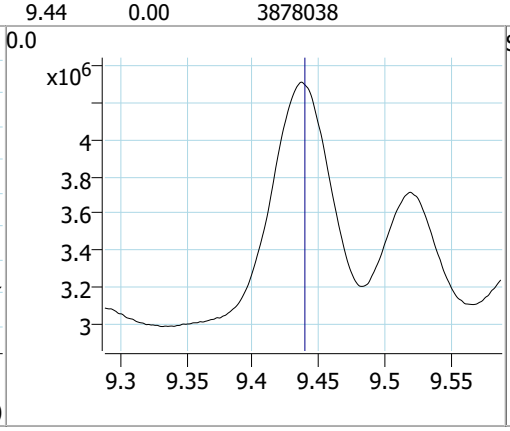


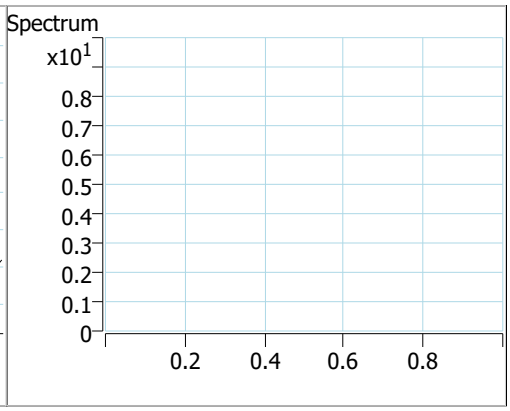
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	501.8092	9.38	0.00	2711767				



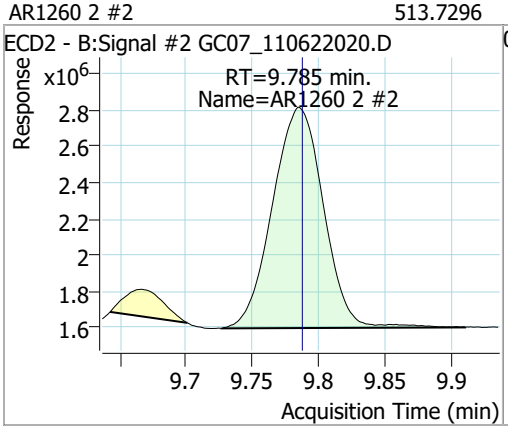
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	514.8958	9.44	0.00	3878038				

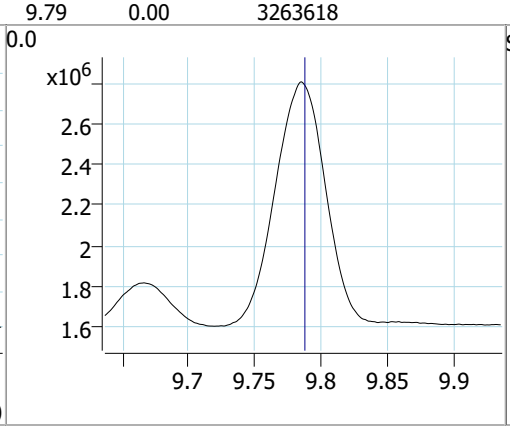


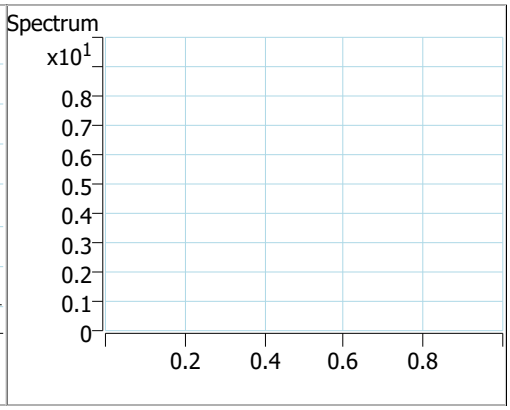




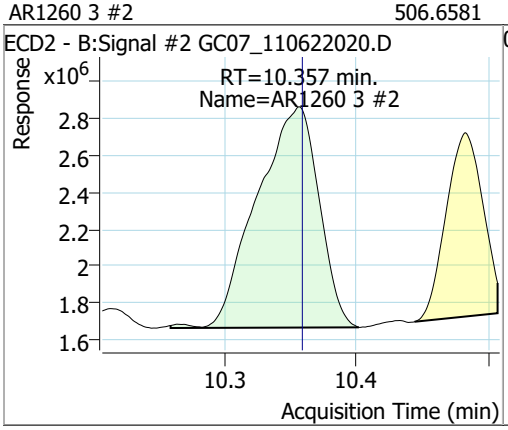
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	513.7296	9.79	0.00	3263618				

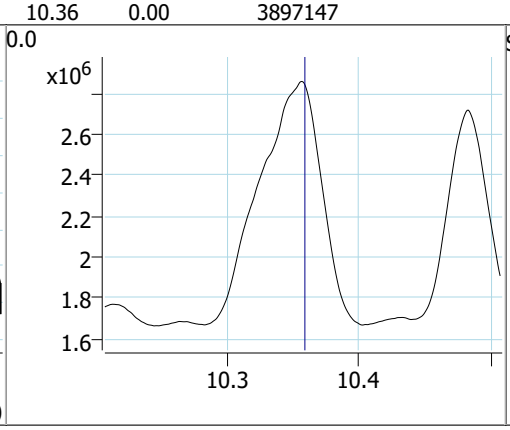


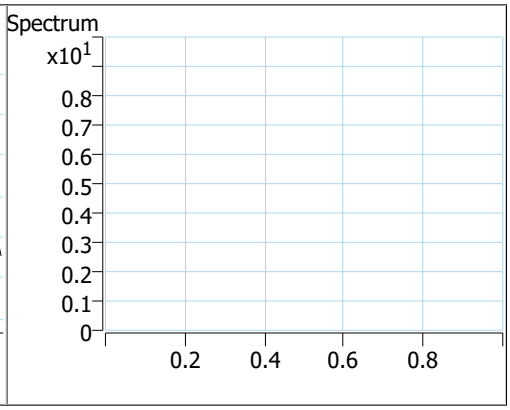




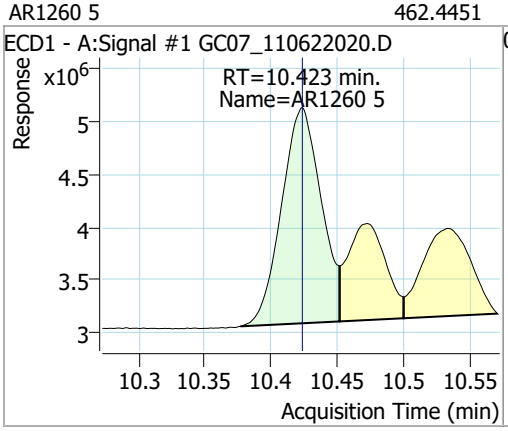
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	506.6581	10.36	0.00	3897147				

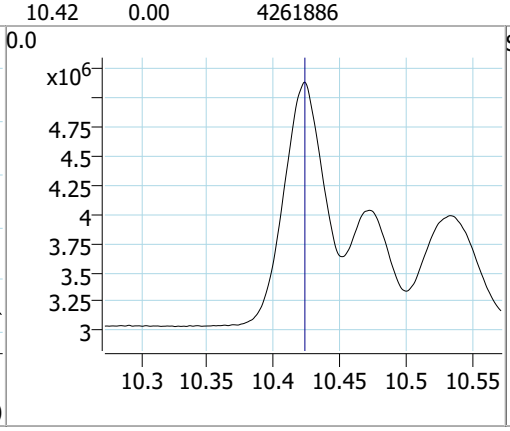


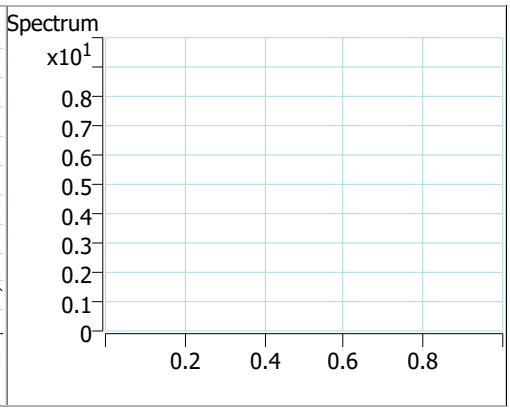




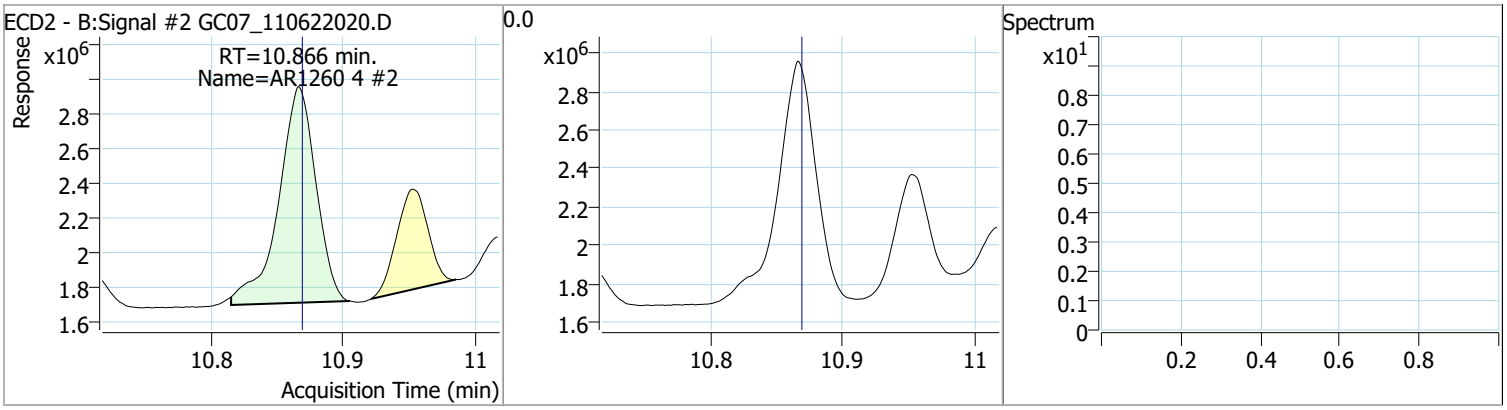
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	462.4451	10.42	0.00	4261886				



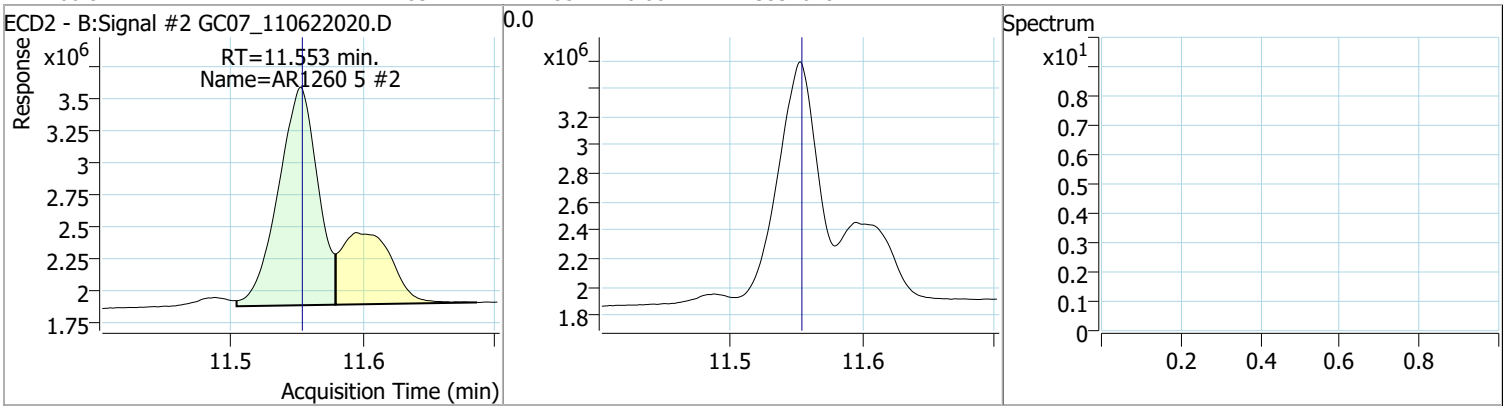




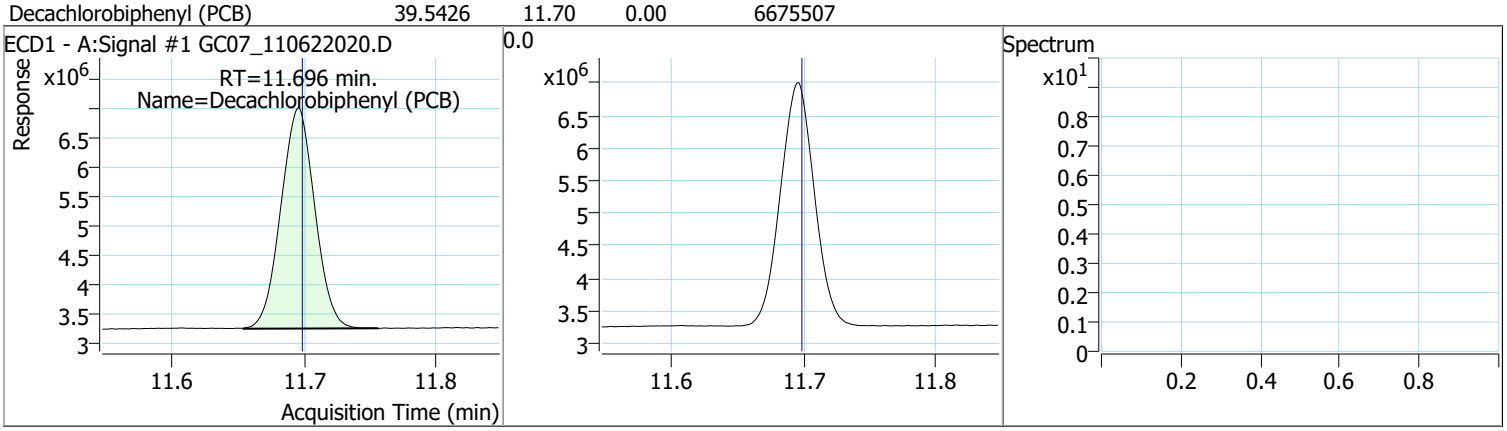
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	496.6625	10.87	0.00	2442642				



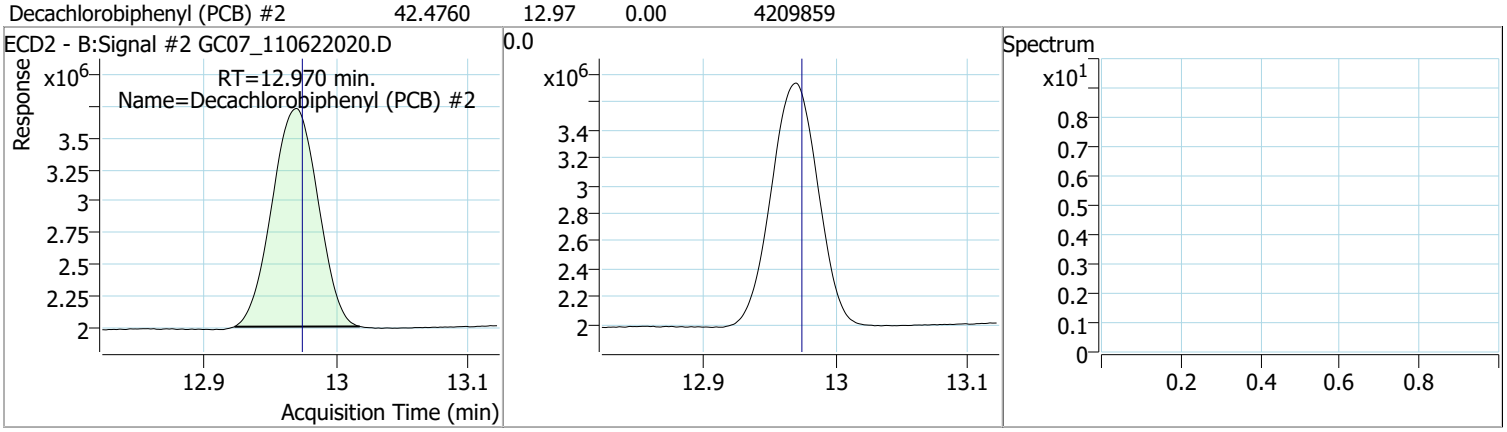
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	483.1247	11.55	0.00	3537618				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.5426	11.70	0.00	6675507				

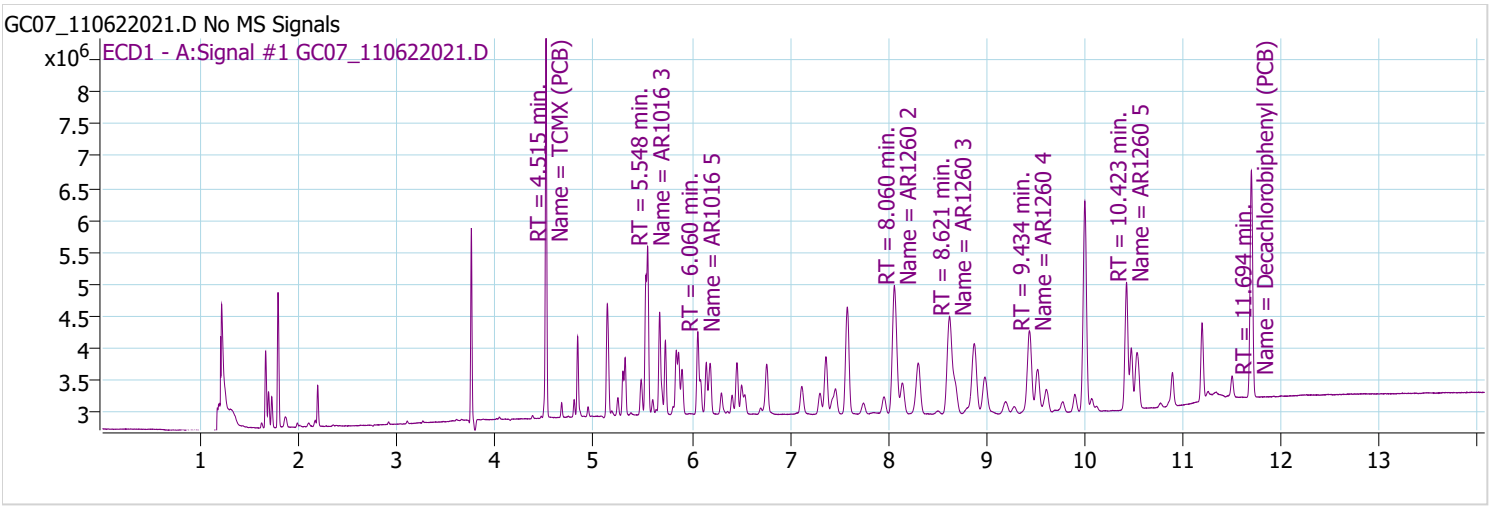


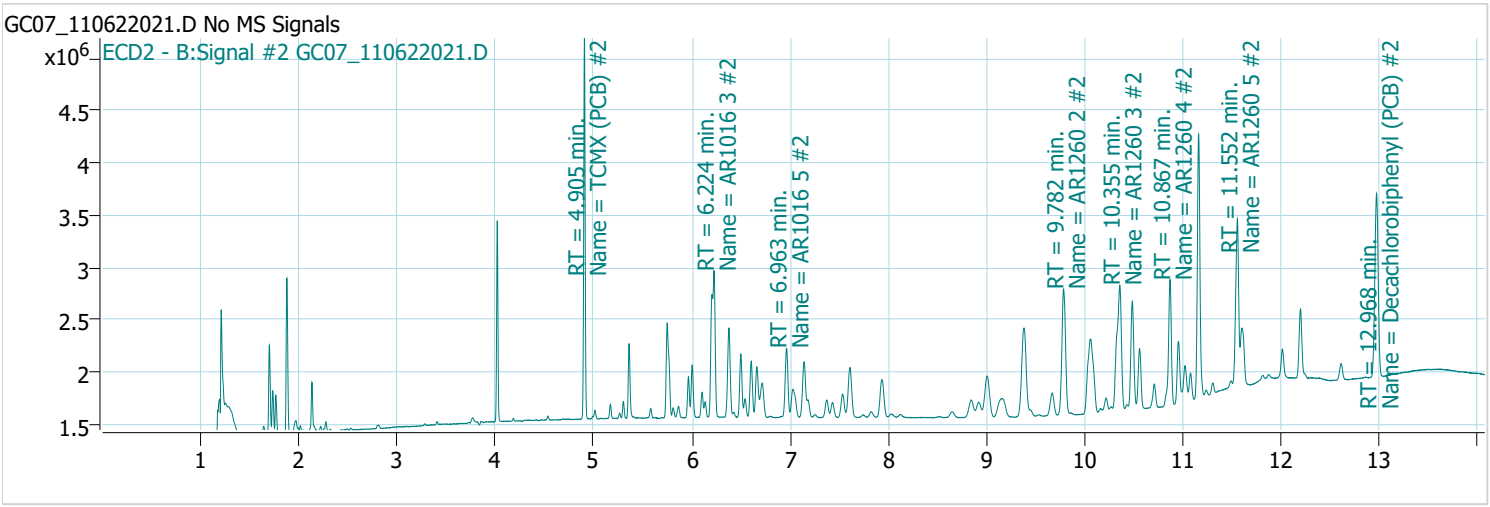
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	42.4760	12.97	0.00	4209859				



Quantitation Results Report (Not Reviewed)

Data File	GC07_110622021.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/6/2022 7:54:54 PM
Sample Name	QC1023079, 300277, 1	Instrument	SVOA-GC07
Vial	8	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	WIPE/1DM^2-20ML
Tune File	ATUNE.U	Tune Date	
Batch Name	110622PCB.batch.bin	Last Calib Update	11/6/2022 4:04:27 PM
Ref Library			



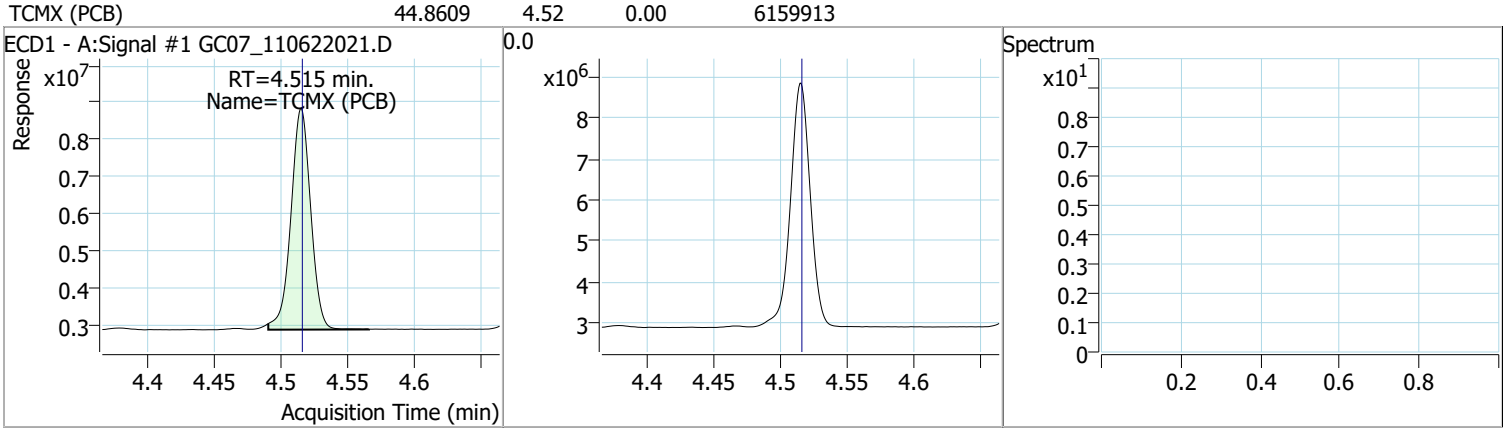


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.755	0.0	2972559.055	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.018	0.0	1786622.368	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.515	0.0	6159912.973	44.8609	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 224.30%		*	
S TCMX (PCB) #2	4.905	0.0	3774510.277	45.6518	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 228.26%		*	
S Decachlorobiphenyl (PCB)	11.694	0.0	6637148.844	36.6323	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 183.16%		*	
S Decachlorobiphenyl (PCB) #2	12.968	0.0	4102757.446	37.9325	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.66%		*	
Target Compounds							QValue

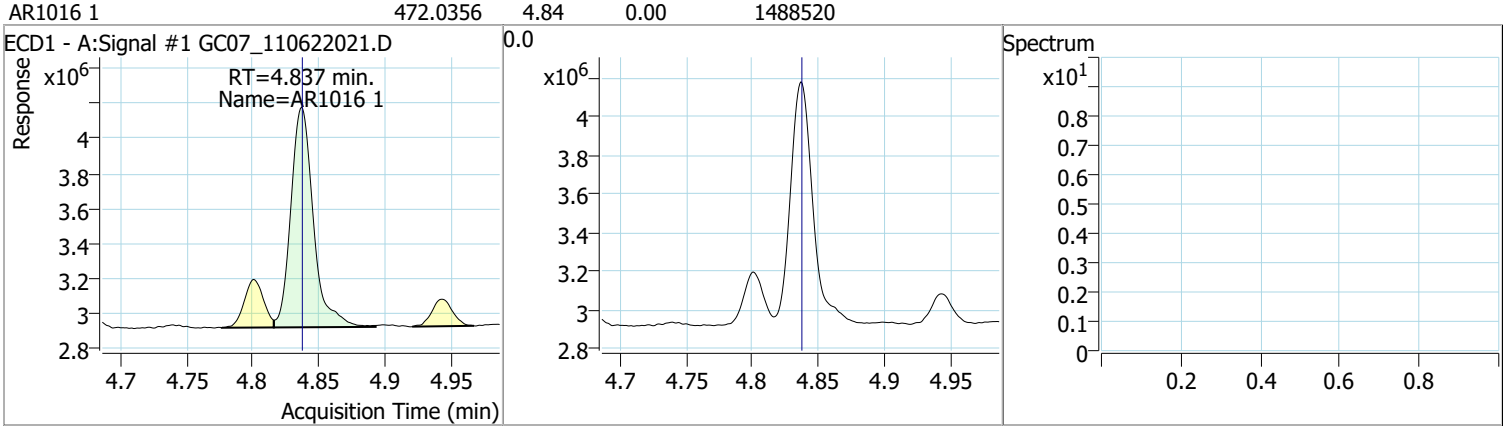
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.837	0.0	1488519.992	472.0356	ng/ml		100
T AR1016 2	5.138	0.0	2800183.039	433.8033	ng/ml		100
T AR1016 1 #2	5.360	0.0	901757.475	464.3018	ng/ml		100
T AR1016 3	5.548	0.0	3405477.942	435.8342	ng/ml	m	100
T AR1016 4	5.672	0.0	2498754.542	444.0634	ng/ml		100
T AR1016 2 #2	5.748	0.0	1819966.983	439.5079	ng/ml		100
T AR1016 5	6.060	0.0	2015647.435	434.6932	ng/ml	m	100
T AR1016 3 #2	6.224	0.0	2123514.108	416.9606	ng/ml	m	100
T AR1016 4 #2	6.376	0.0	1577045.692	441.5504	ng/ml		100
T AR1016 5 #2	6.963	0.0	1308542.612	441.1334	ng/ml		100
T AR1260 1	7.582	0.0	4162052.290	476.4464	ng/ml		100
T AR1260 2	8.060	0.0	6230251.308	461.1254	ng/ml		100
T AR1260 3	8.621	0.0	6499593.114	461.7015	ng/ml		100
T AR1260 1 #2	9.380	0.0	2673934.842	453.4158	ng/ml		100
T AR1260 4	9.434	0.0	3775453.773	467.0655	ng/ml		100
T AR1260 2 #2	9.782	0.0	3091753.278	445.9639	ng/ml		100
T AR1260 3 #2	10.355	0.0	3810366.456	453.9360	ng/ml		100
T AR1260 5	10.423	0.0	4148963.713	419.4685	ng/ml		100
T AR1260 4 #2	10.867	0.0	2388611.323	445.0479	ng/ml		100
T AR1260 5 #2	11.552	0.0	3439249.587	430.3993	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

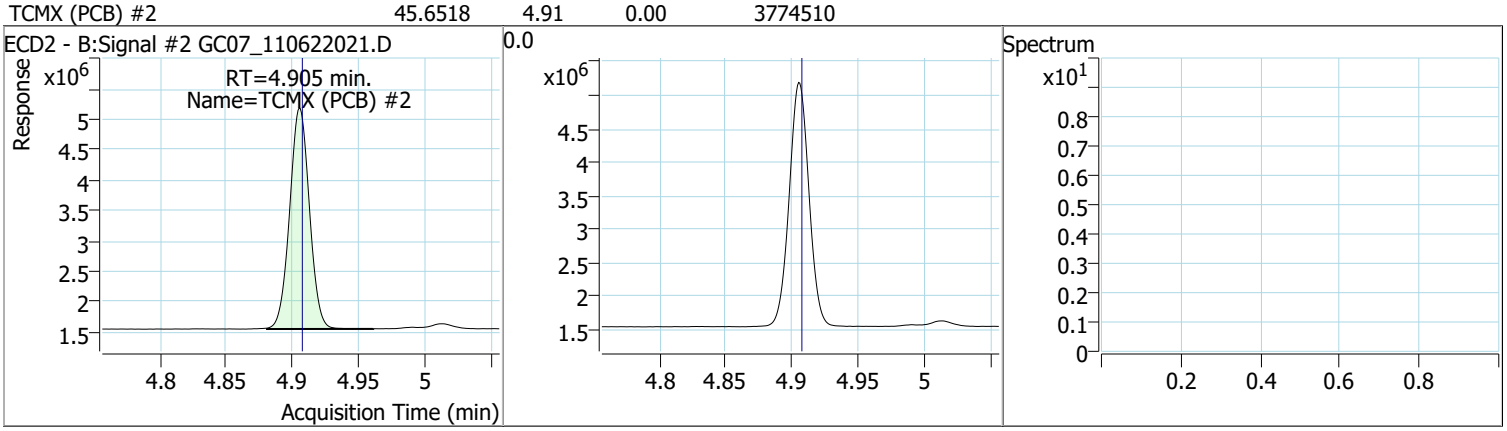
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.8609	4.52	0.00	6159913				



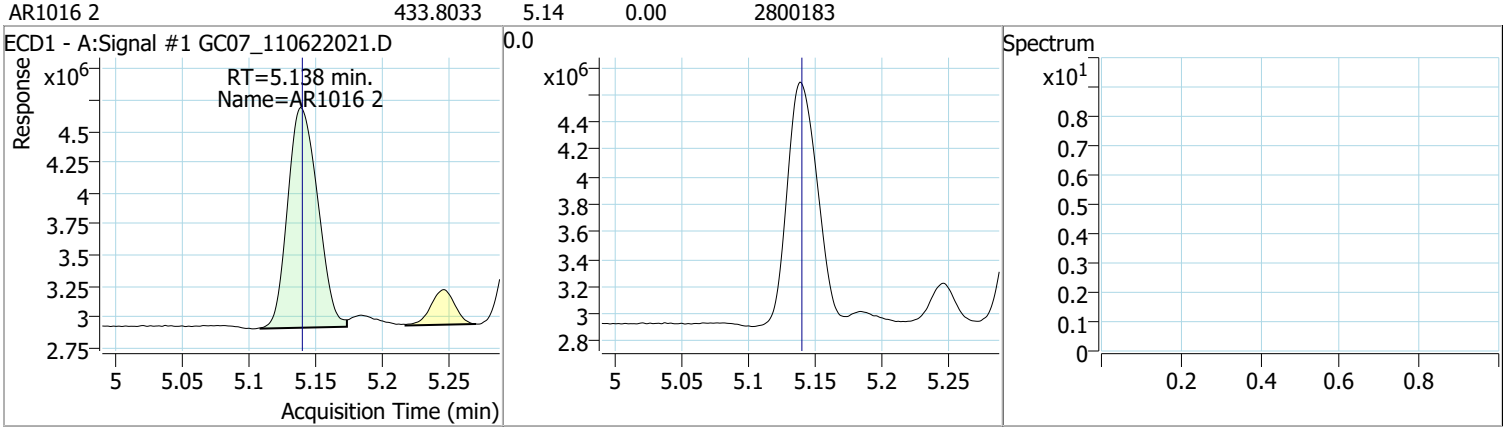
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	472.0356	4.84	0.00	1488520				



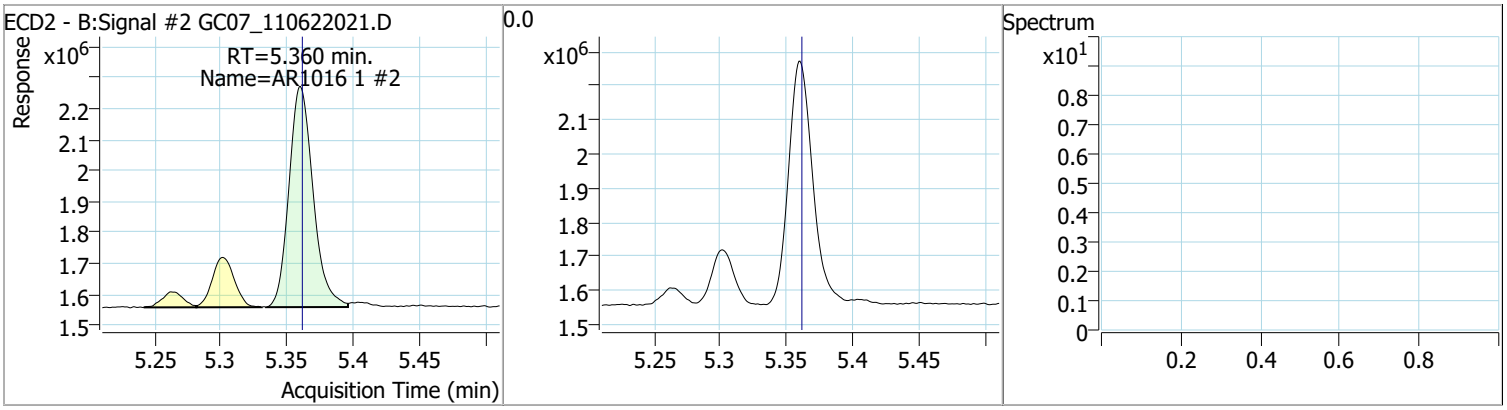
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	45.6518	4.91	0.00	3774510				



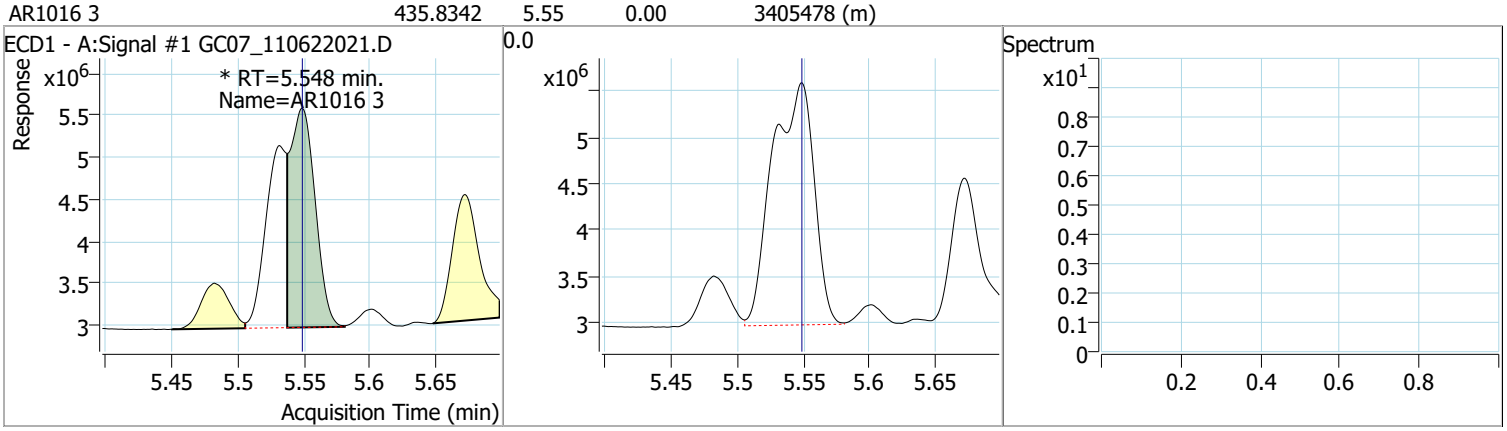
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	433.8033	5.14	0.00	2800183				



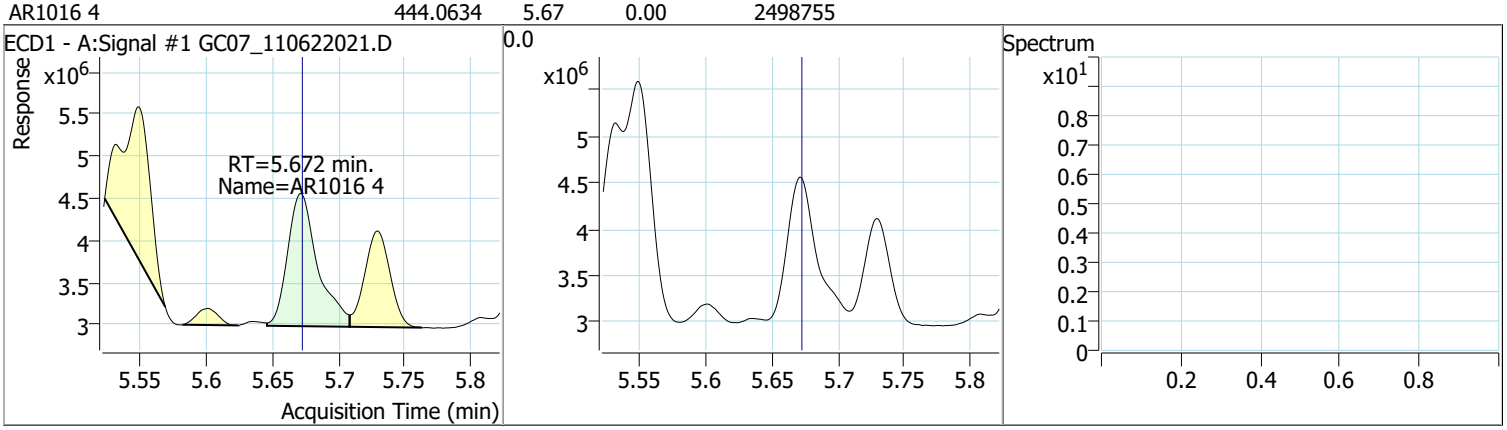
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	464.3018	5.36	0.00	901757				



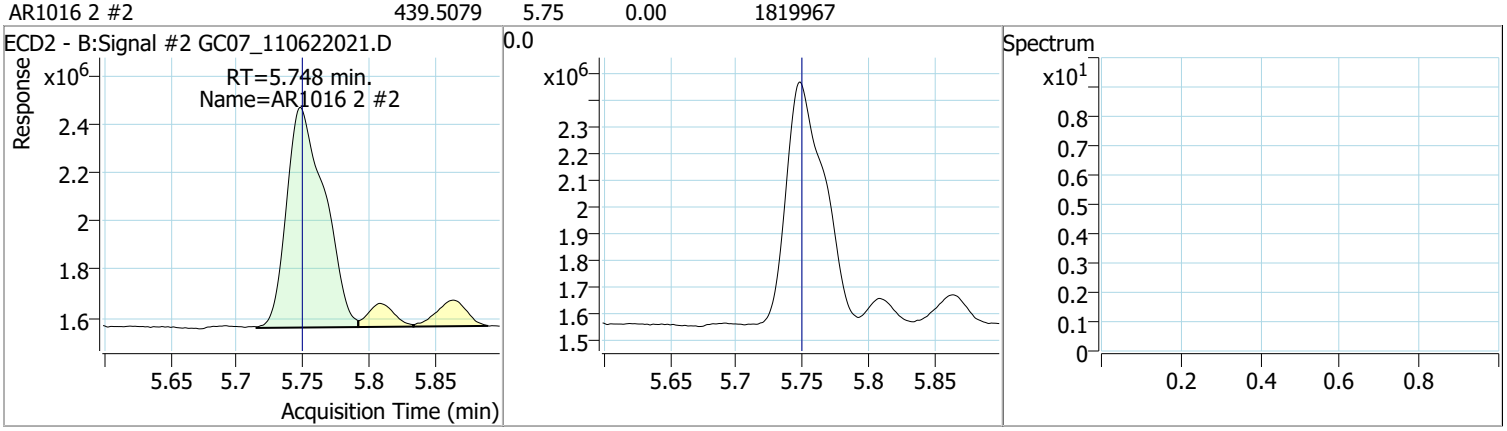
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	435.8342	5.55	0.00	3405478 (m)				



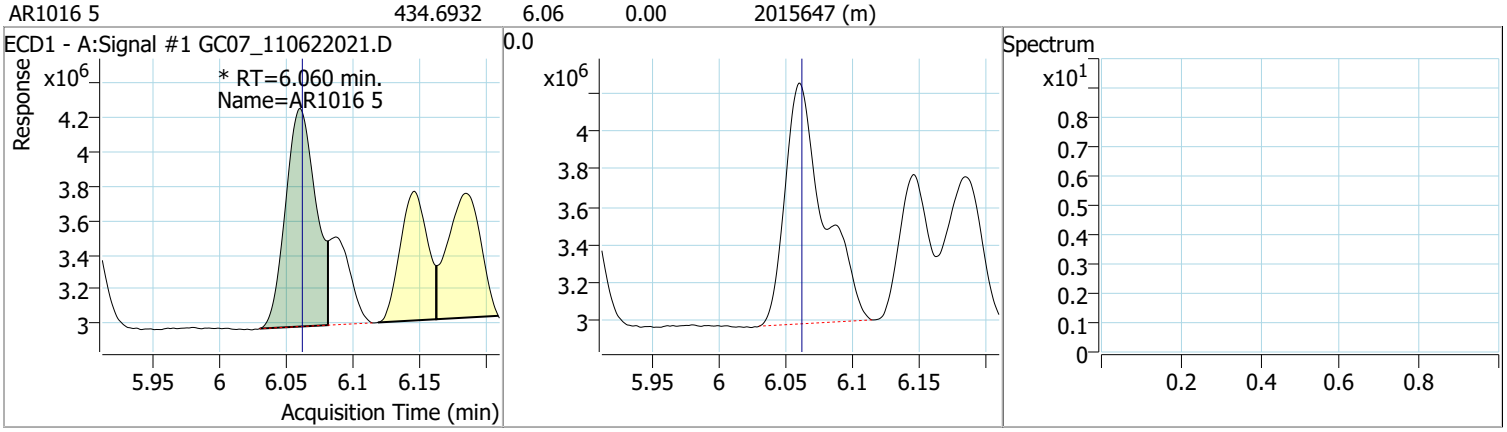
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	444.0634	5.67	0.00	2498755				



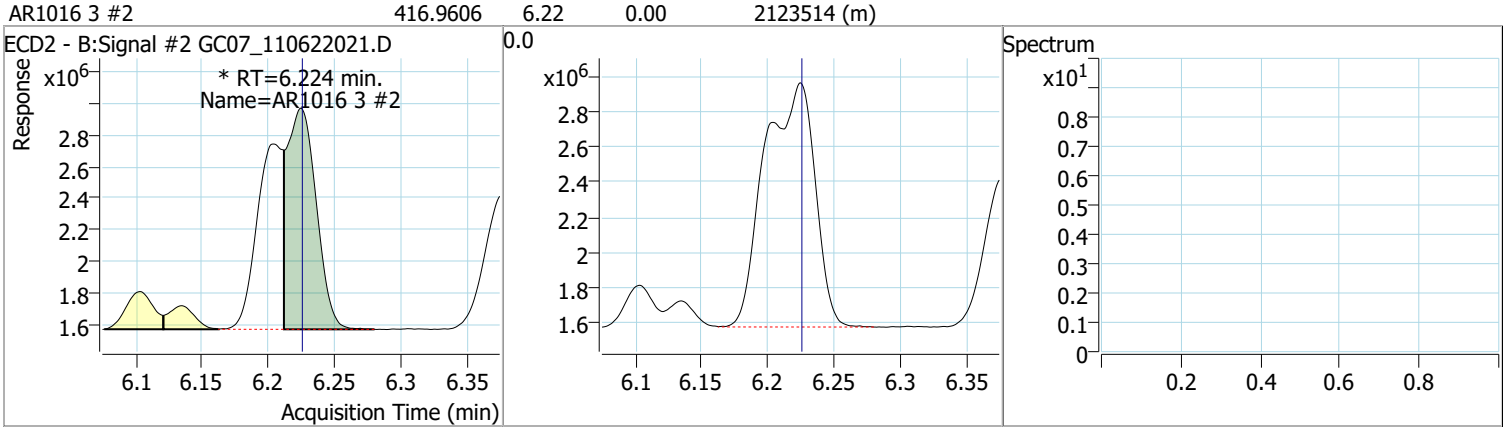
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	439.5079	5.75	0.00	1819967				



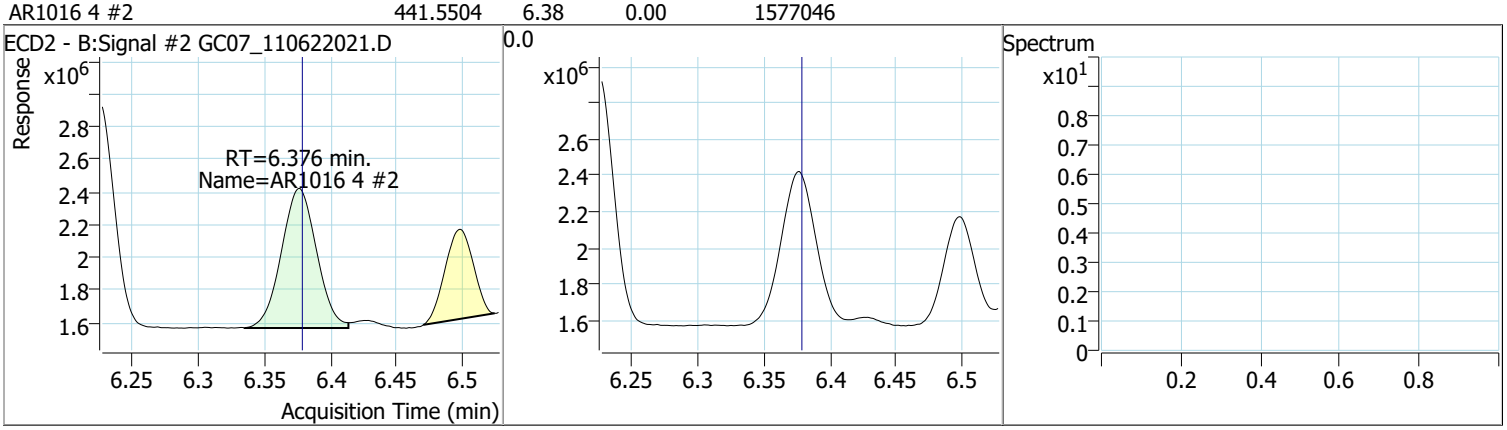
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	434.6932	6.06	0.00	2015647 (m)				



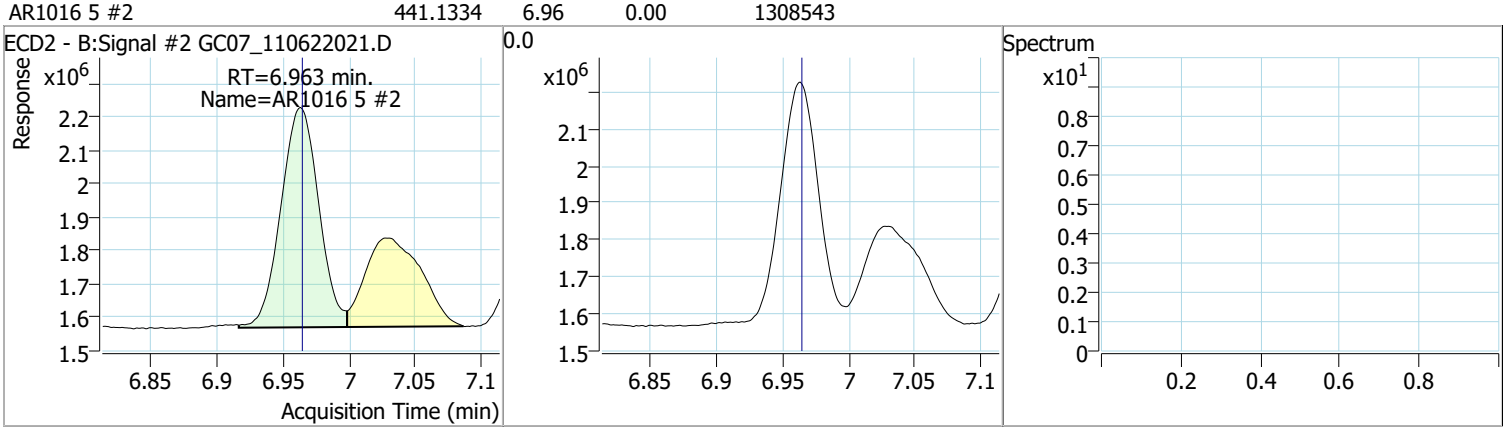
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	416.9606	6.22	0.00	2123514 (m)				



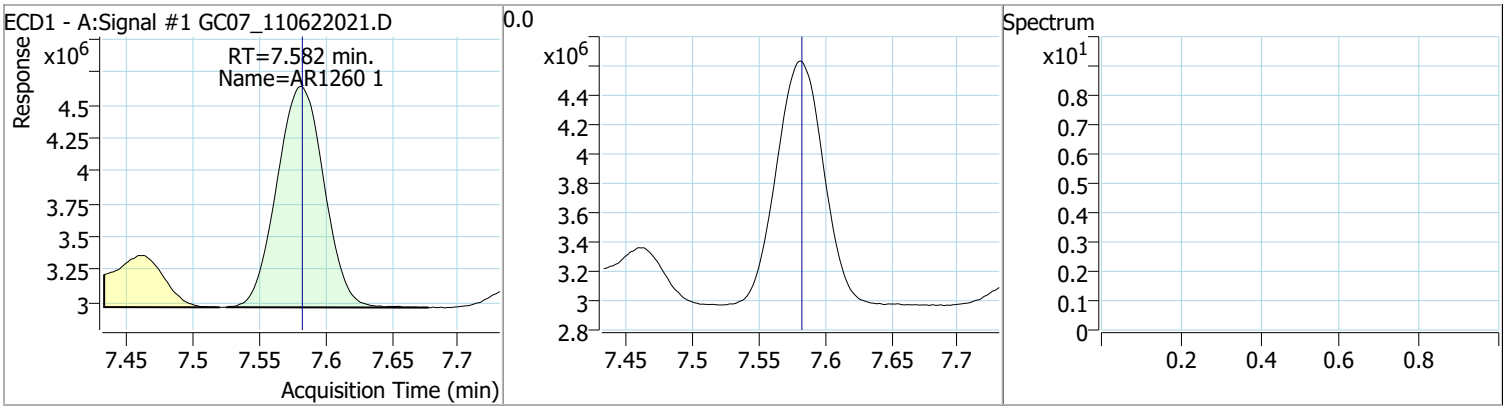
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	441.5504	6.38	0.00	1577046				



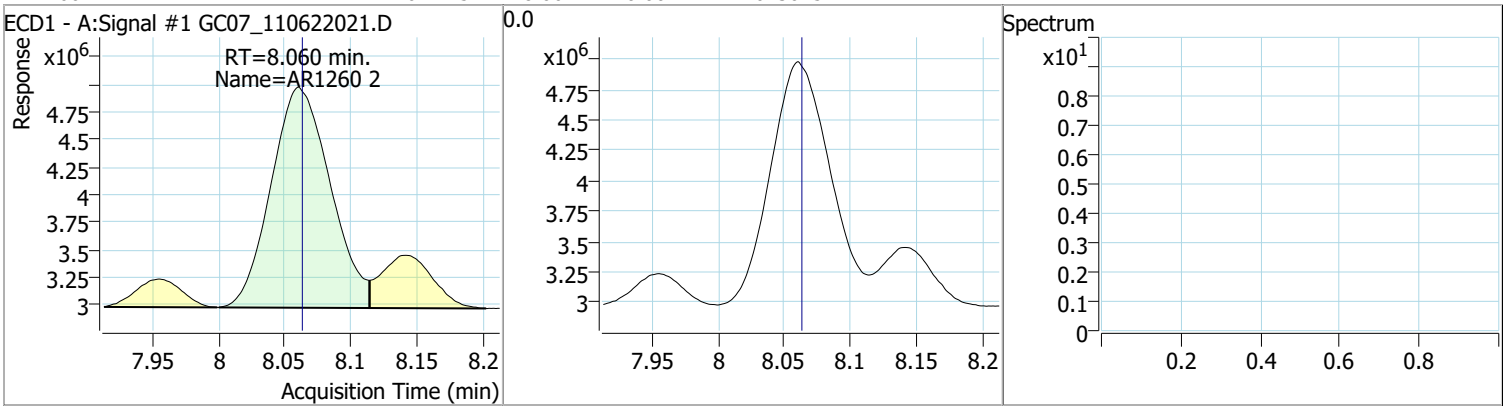
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AR1016 5 #2	441.1334	6.96	0.00	1308543				



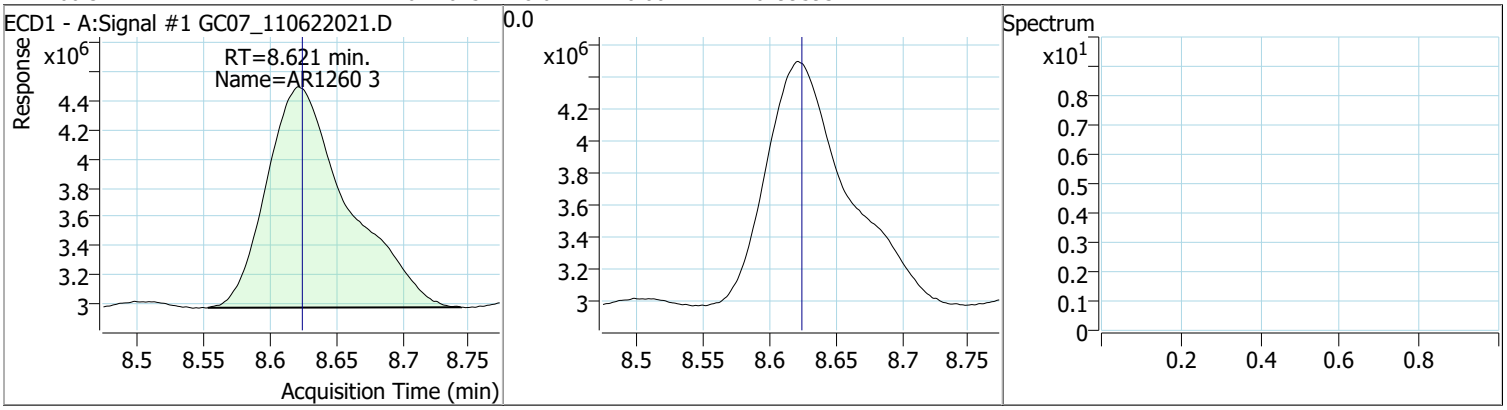
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	476.4464	7.58	0.00	4162052				



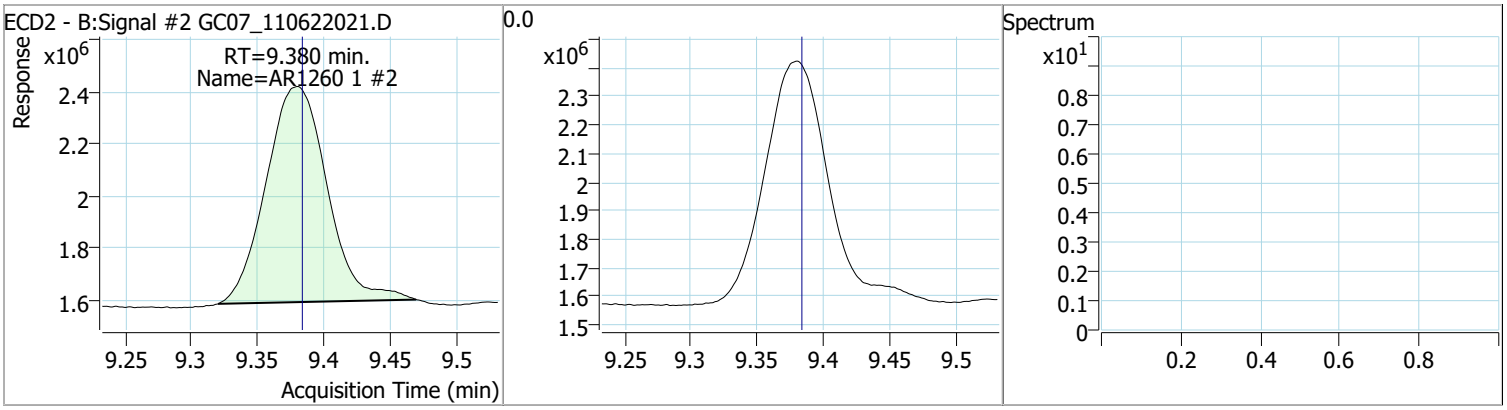
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	461.1254	8.06	0.00	6230251				



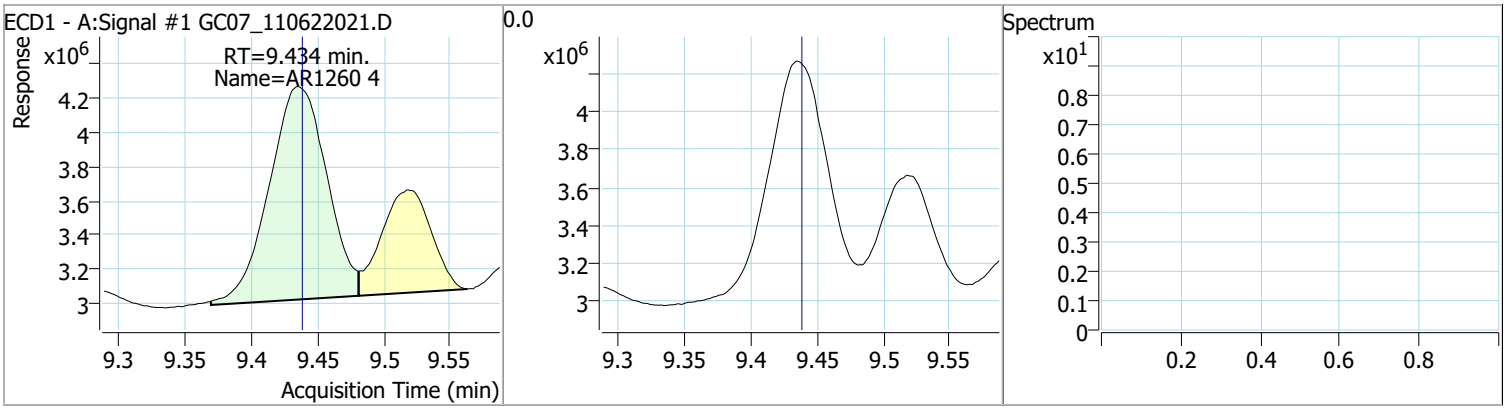
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	461.7015	8.62	0.00	6499593				



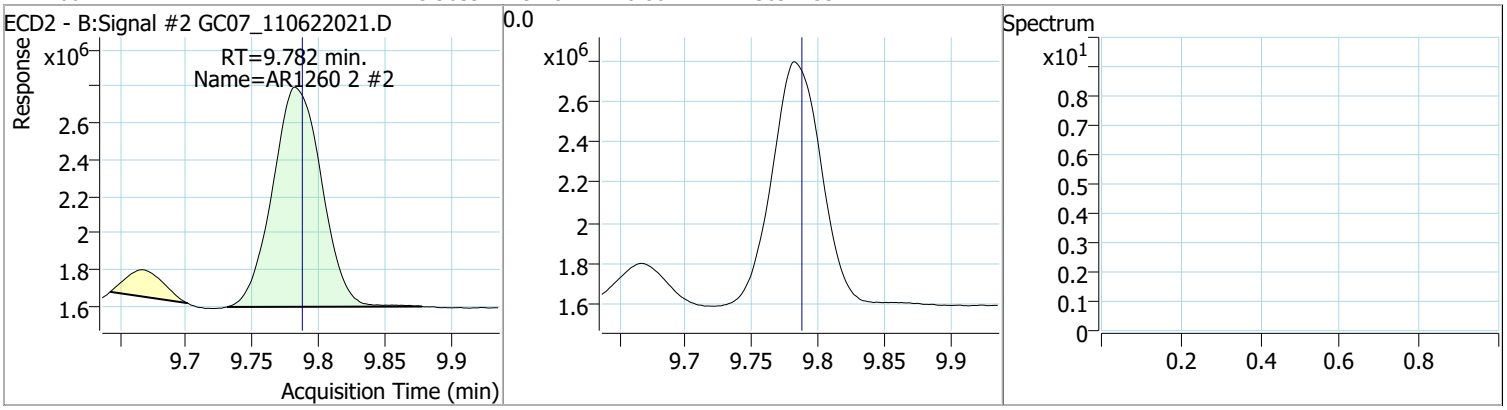
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	453.4158	9.38	0.00	2673935				



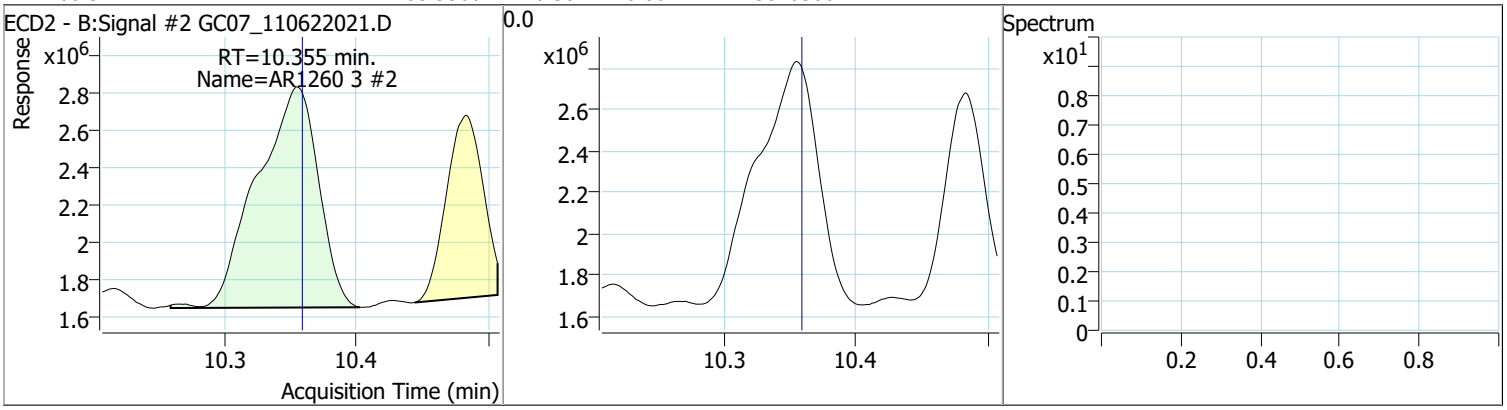
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	467.0655	9.43	0.00	3775454				



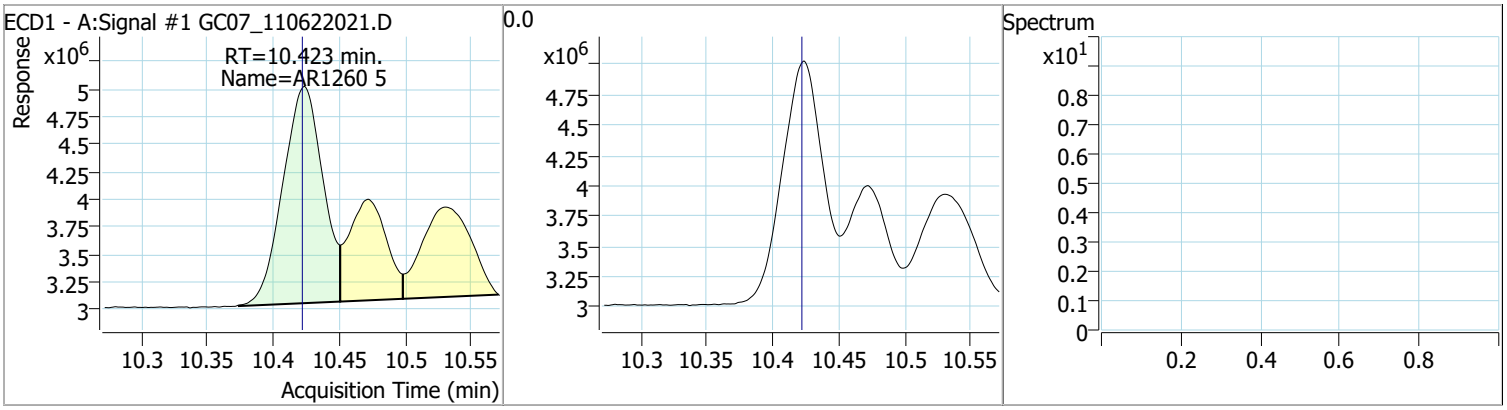
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	445.9639	9.78	0.00	3091753				



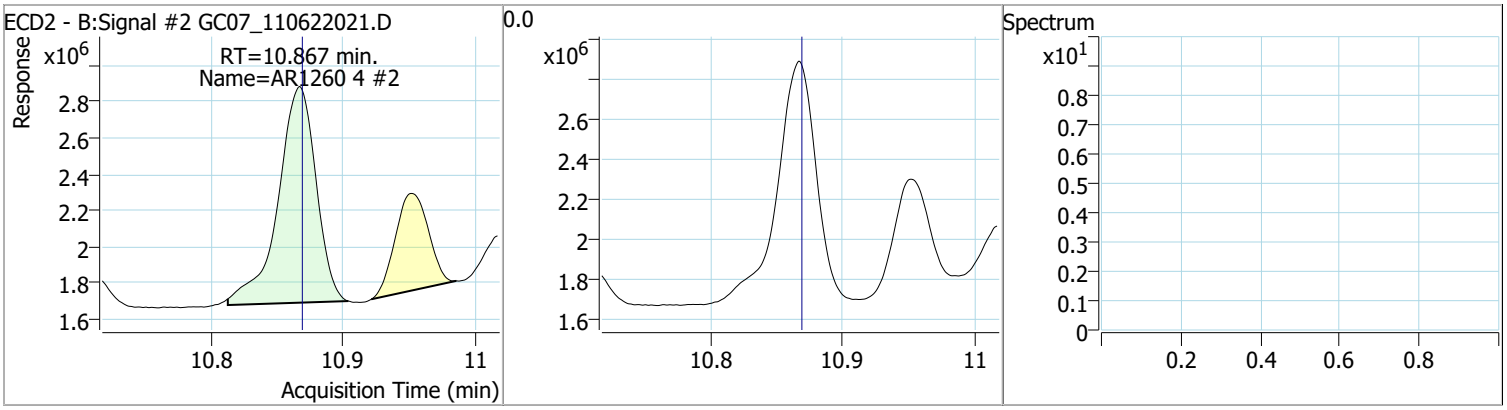
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	453.9360	10.36	0.00	3810366				



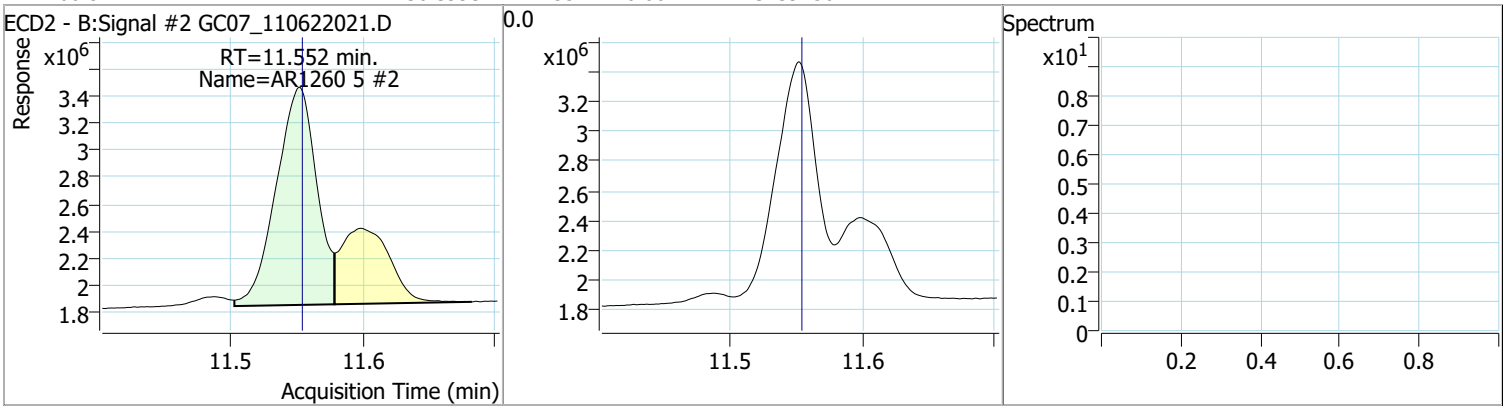
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	419.4685	10.42	0.00	4148964				



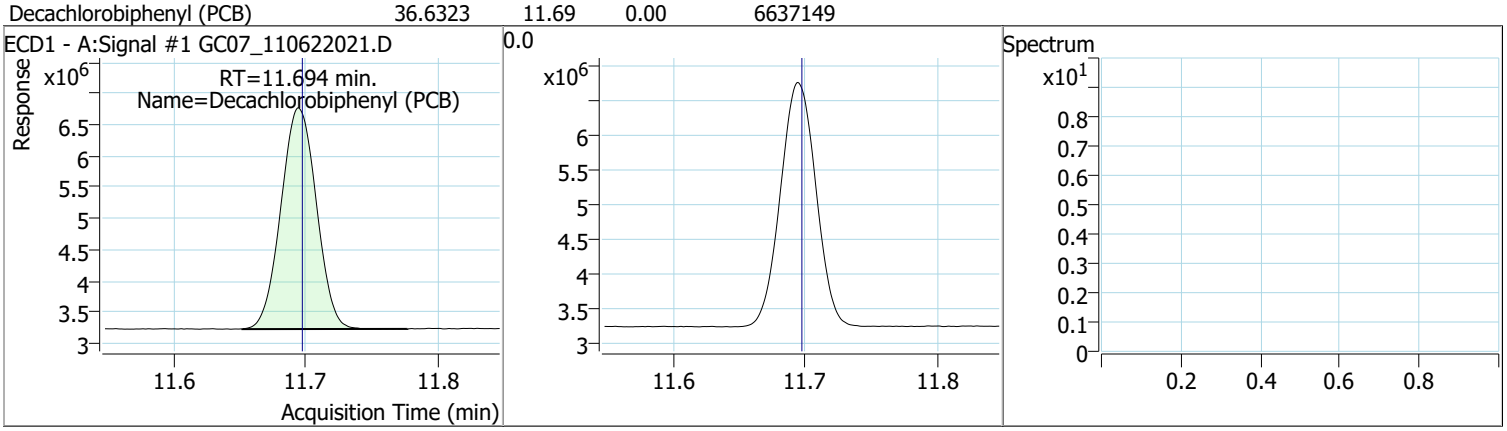
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	445.0479	10.87	0.00	2388611				



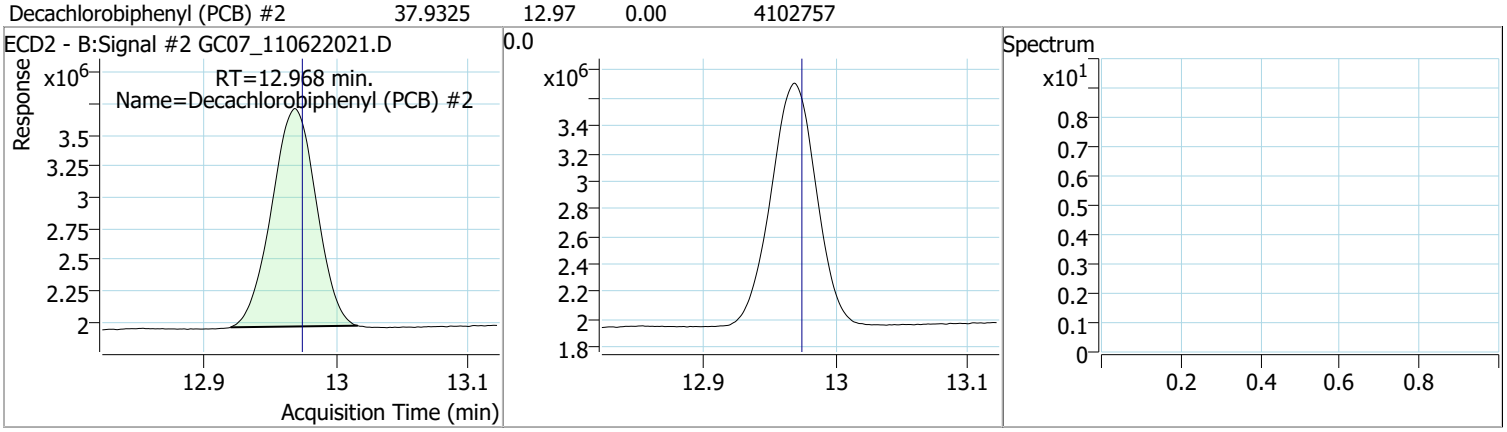
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	430.3993	11.55	0.00	3439250				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.6323	11.69	0.00	6637149				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.9325	12.97	0.00	4102757				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 471955 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_1110522_1
Calibration #:	462445893001	Date:	05-NOV-2022 17:14
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_110522006	462445893006		05-NOV-2022 17:14	S17263
L2	gc07_110522007	462445893007		05-NOV-2022 17:32	S17264
L3	gc07_110522008	462445893008		05-NOV-2022 17:49	S17265
L4	gc07_110522009	462445893009		05-NOV-2022 18:07	S17266
L5	gc07_110522010	462445893010		05-NOV-2022 18:24	S17267
L6	gc07_110522011	462445893011		05-NOV-2022 18:41	S17268
L7	gc07_110522012	462445893012		05-NOV-2022 18:59	S17269
L8	gc07_110522013	462445893013		05-NOV-2022 19:16	S17270

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		47.1318		ug/L	0.0212	9	8	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		23.0251		ug/L	0.0434	18	8	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.0212		ug/L	0.0526	9	8	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		26.4129		ug/L	0.0379	9	8	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		32.0525		ug/L	0.0312	11	8	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		17.0138		ug/L	0.0588	12	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		11.0004		ug/L	0.0909	12	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		10.5577		ug/L	0.0947	11	8	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		18.3866		ug/L	0.0544	10	8	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.0263		ug/L	0.0665	18	7	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.82031		pg/uL	1.2191	14	8	.99	20	
TCMX (PCB)	A	AVRG		1.08240		pg/uL	0.9239	4	7	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		45.9945		ug/L	0.0217	14	7	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		21.5725		ug/L	0.0464	17	8	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		17.5403		ug/L	0.0570	16	8	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.0111		ug/L	0.0400	15	8	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		30.1147		ug/L	0.0332	15	8	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		15.1476		ug/L	0.0660	16	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		12.8852		ug/L	0.0776	18	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.6420		ug/L	0.0940	14	8	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		16.6440		ug/L	0.0601	14	8	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		11.1790		ug/L	0.0895	13	7	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.82591		pg/uL	1.2108	13	8	.99	20	
TCMX (PCB)	B	AVRG		1.08042		pg/uL	0.9256	6	7	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 471955 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_1110522_1
Calibration #:	462445893001	Date:	05-NOV-2022 17:14
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF
Aroclor-1016 Peak # 1	A	0.0246	0.0220	0.0228	0.0214	0.0195	0.0210	0.0198	0.0187
Aroclor-1016 Peak # 2	A	0.0599	0.0467	0.0466	0.0428	0.0374	0.0397	0.0380	0.0364
Aroclor-1016 Peak # 3	A	0.0600	0.0555	0.0566	0.0533	0.0477	0.0495	0.0493	0.0486
Aroclor-1016 Peak # 4	A	0.0426	0.0399	0.0411	0.0389	0.0351	0.0364	0.0350	0.0338
Aroclor-1016 Peak # 5	A	0.0371	0.0326	0.0342	0.0318	0.0282	0.0299	0.0283	0.0276
Aroclor-1260 Peak # 1	A	0.0707	0.0615	0.0649	0.0603	0.0535	0.0567	0.0527	0.0499
Aroclor-1260 Peak # 2	A	0.1117	0.0961	0.0984	0.0917	0.0841	0.0867	0.0805	0.0780
Aroclor-1260 Peak # 3	A	0.1149	0.0852	0.1026	0.0980	0.0899	0.0941	0.0875	0.0855
Aroclor-1260 Peak # 4	A	0.0662	0.0551	0.0560	0.0561	0.0510	0.0533	0.0494	0.0479
Aroclor-1260 Peak # 5	A		0.0668	0.0668	0.0641	0.0927	0.0605	0.0578	0.0571
Decachlorobiphenyl (PCB)	A	1.5673	1.3208	1.2753	1.2016	1.1342	1.1432	1.0686	1.0415
TCMX (PCB)	A		0.9545	0.9567	0.9136	0.8419	0.9373	0.9268	0.9364
Aroclor-1016 Peak # 1	B		0.0268	0.0245	0.0222	0.0197	0.0207	0.0197	0.0185
Aroclor-1016 Peak # 2	B	0.0613	0.0518	0.0512	0.0466	0.0397	0.0418	0.0400	0.0385
Aroclor-1016 Peak # 3	B	0.0741	0.0629	0.0623	0.0569	0.0489	0.0513	0.0508	0.0490
Aroclor-1016 Peak # 4	B	0.0509	0.0447	0.0439	0.0398	0.0350	0.0365	0.0351	0.0339
Aroclor-1016 Peak # 5	B	0.0430	0.0363	0.0362	0.0331	0.0293	0.0306	0.0291	0.0280
Aroclor-1260 Peak # 1	B	0.0857	0.0739	0.0729	0.0665	0.0578	0.0602	0.0566	0.0545
Aroclor-1260 Peak # 2	B	0.1036	0.0888	0.0839	0.0786	0.0674	0.0705	0.0657	0.0625
Aroclor-1260 Peak # 3	B	0.1182	0.1046	0.1030	0.0942	0.0827	0.0871	0.0820	0.0799
Aroclor-1260 Peak # 4	B	0.0761	0.0608	0.0681	0.0577	0.0539	0.0571	0.0532	0.0536
Aroclor-1260 Peak # 5	B		0.1090	0.1014	0.0906	0.0841	0.0846	0.0796	0.0770
Decachlorobiphenyl (PCB)	B	1.5055	1.2923	1.3071	1.2028	1.1192	1.1476	1.0764	1.0353
TCMX (PCB)	B		0.9984	0.9717	0.8979	0.8198	0.9228	0.9231	0.9453

ENTHALPY INITIAL CALIBRATION FOR 471955 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_1110522_1
Calibration #:	462445893001	Date:	05-NOV-2022 17:14
		X Axis:	R

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D	L7	%D	L8	%D
Aroclor-1016 Peak # 1	A	20.000	16	50.000	4	100.00	7	250.00	1	500.00	-8	749.91	-1	1000.0	-7	1500.0	-12
Aroclor-1016 Peak # 2	A	20.000	**38**	50.000	8	100.00	7	250.00	-1	500.00	-14	749.91	-9	1000.0	-13	1500.0	-16
Aroclor-1016 Peak # 3	A	20.000	14	50.000	6	100.00	8	250.00	1	500.00	-9	749.91	-6	1000.0	-6	1500.0	-8
Aroclor-1016 Peak # 4	A	20.000	13	50.000	5	100.00	9	250.00	3	500.00	-7	749.91	-4	1000.0	-8	1500.0	-11
Aroclor-1016 Peak # 5	A	20.000	19	50.000	5	100.00	10	250.00	2	500.00	-10	749.91	-4	1000.0	-9	1500.0	-12
Aroclor-1260 Peak # 1	A	20.000	20	50.000	5	100.00	10	250.00	3	500.00	-9	749.91	-4	1000.0	-10	1500.0	-15
Aroclor-1260 Peak # 2	A	20.000	**23**	50.000	6	100.00	8	250.00	1	500.00	-7	749.91	-5	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 3	A	20.000	**21**	50.000	-10	100.00	8	250.00	3	500.00	-5	749.91	-1	1000.0	-8	1500.0	-10
Aroclor-1260 Peak # 4	A	20.000	**22**	50.000	1	100.00	3	250.00	3	500.00	-6	749.91	-2	1000.0	-9	1500.0	-12
Aroclor-1260 Peak # 5	A			50.000	0	100.00	0	250.00	-4	500.00	**39**	749.91	-9	1000.0	-13	1500.0	-14
Decachlorobiphenyl (PCB)	A	1.6000	**29**	4.0000	8	8.0000	5	20.000	-1	40.000	-7	59.993	-6	80.000	-12	120.00	-15
TCMX (PCB)	A			4.0000	3	8.0000	4	20.000	-1	40.000	-9	59.993	1	80.000	0	120.00	1
Aroclor-1016 Peak # 1	B			50.000	**23**	100.00	13	250.00	2	500.00	-9	749.91	-5	1000.0	-9	1500.0	-15
Aroclor-1016 Peak # 2	B	20.000	**32**	50.000	12	100.00	11	250.00	0	500.00	-14	749.91	-10	1000.0	-14	1500.0	-17
Aroclor-1016 Peak # 3	B	20.000	**30**	50.000	10	100.00	9	250.00	0	500.00	-14	749.91	-10	1000.0	-11	1500.0	-14
Aroclor-1016 Peak # 4	B	20.000	**27**	50.000	12	100.00	10	250.00	0	500.00	-13	749.91	-9	1000.0	-12	1500.0	-15
Aroclor-1016 Peak # 5	B	20.000	**30**	50.000	9	100.00	9	250.00	0	500.00	-12	749.91	-8	1000.0	-12	1500.0	-16
Aroclor-1260 Peak # 1	B	20.000	**30**	50.000	12	100.00	10	250.00	1	500.00	-12	749.91	-9	1000.0	-14	1500.0	-17
Aroclor-1260 Peak # 2	B	20.000	**33**	50.000	14	100.00	8	250.00	1	500.00	-13	749.91	-9	1000.0	-15	1500.0	-19
Aroclor-1260 Peak # 3	B	20.000	**26**	50.000	11	100.00	10	250.00	0	500.00	-12	749.91	-7	1000.0	-13	1500.0	-15
Aroclor-1260 Peak # 4	B	20.000	**27**	50.000	1	100.00	13	250.00	-4	500.00	-10	749.91	-5	1000.0	-11	1500.0	-11
Aroclor-1260 Peak # 5	B			50.000	**22**	100.00	13	250.00	1	500.00	-6	749.91	-5	1000.0	-11	1500.0	-14
Decachlorobiphenyl (PCB)	B	1.6000	**24**	4.0000	7	8.0000	8	20.000	-1	40.000	-8	59.993	-5	80.000	-11	120.00	-14
TCMX (PCB)	B			4.0000	8	8.0000	5	20.000	-3	40.000	-11	59.993	0	80.000	0	120.00	2

TRN 11/06/22 : Manually integrated for coeluting peak, automatic draw baseline for both channels on multiple levels

Analyst: TRN 11/06/22

Reviewer: LW 11/07/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 471955 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_1110522_1
Calnum:	462445893001	Cal Date:	05-NOV-2022

- ICV 462445893016 (gc07_110522016 05-NOV-2022) stds: S17274

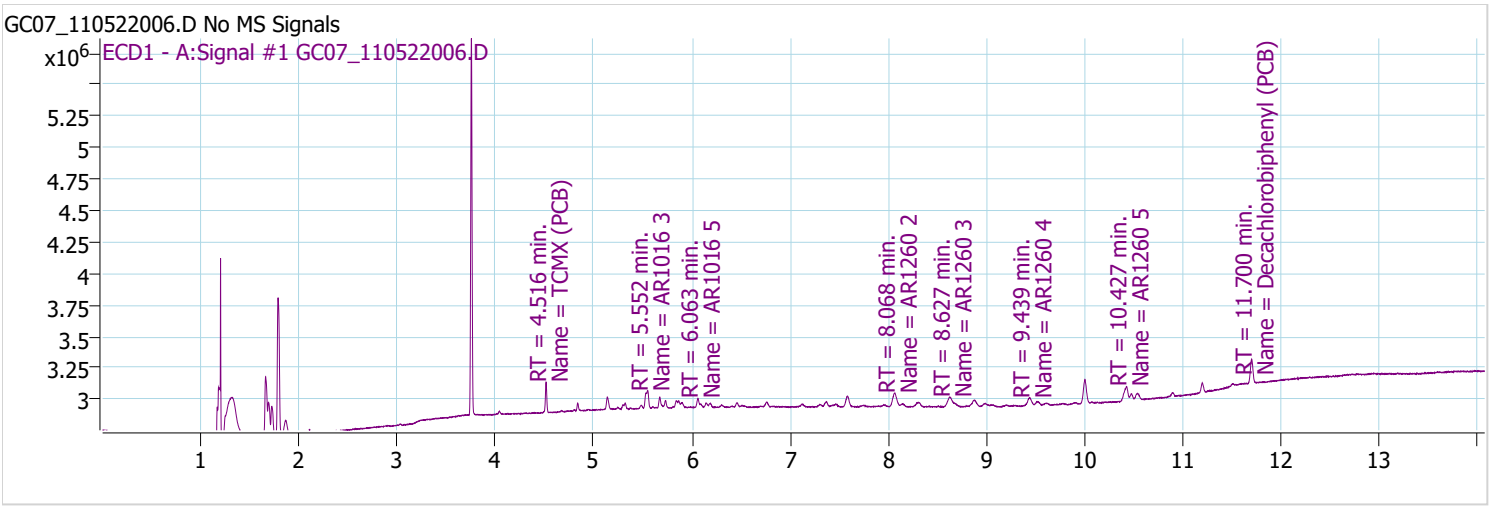
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	471.4	ug/L	-6	15	
Aroclor-1260	A	500.0	497.0	ug/L	-1	15	
Aroclor-1016	B	500.0	468.0	ug/L	-6	15	
Aroclor-1260	B	500.0	472.8	ug/L	-5	15	

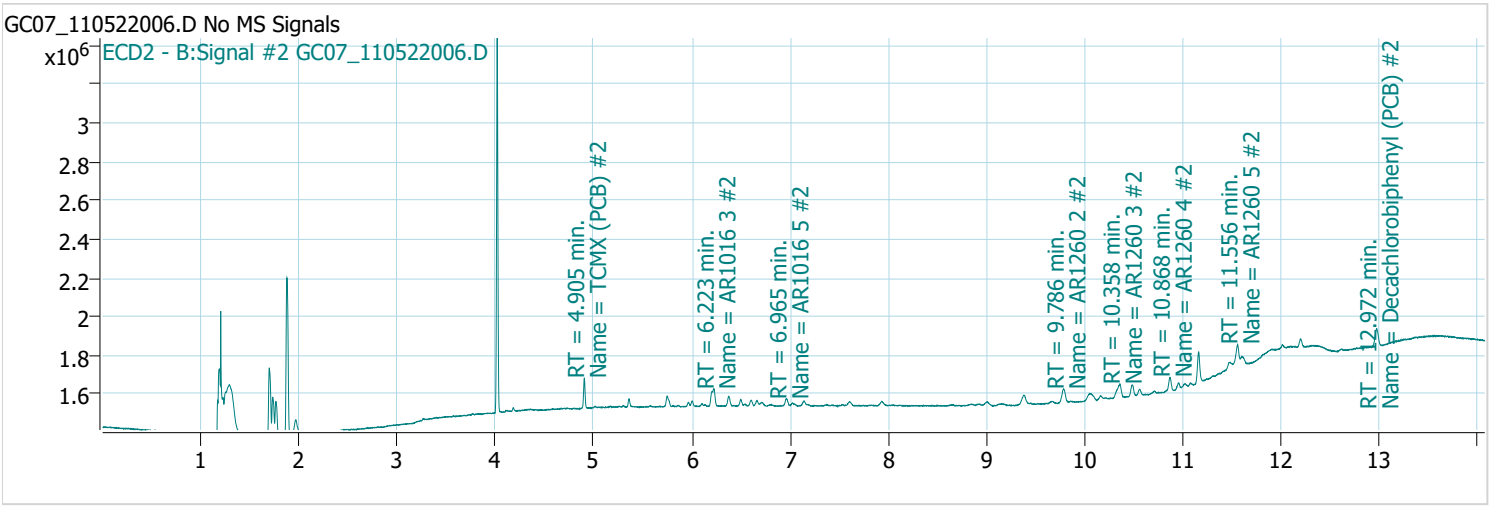
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Analyst: TRN 11/06/22 **Reviewer:** LW 11/07/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_110522006.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/5/2022 5:14:57 PM
Sample Name	ICAL, S17263	Instrument	SVOA-GC07
Vial	41	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	110522PCBICAL.batch.bin	Last Calib Update	11/6/2022 3:52:48 PM
Ref Library			



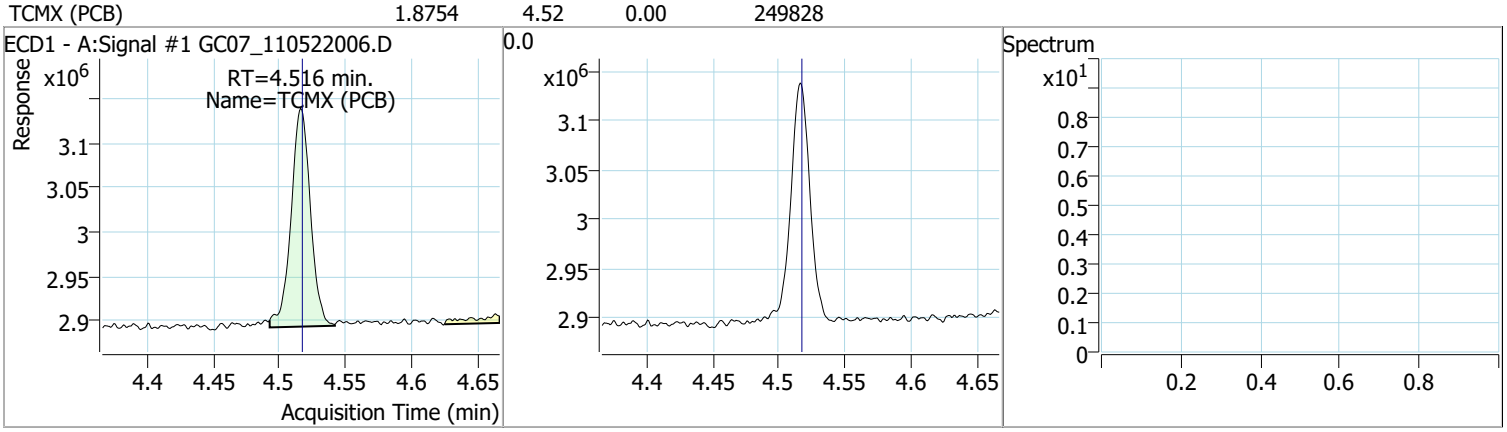


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.756	0.0	2886609.013	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.018	0.0	1801042.820	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.516	0.0	249828.354	1.8754	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.38%		*	
S TCMX (PCB) #2	4.905	0.0	169277.504	2.0292	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.15%		*	
S Decachlorobiphenyl (PCB)	11.700	0.0	361931.412	2.0882	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.44%		*	
S Decachlorobiphenyl (PCB) #2	12.972	0.0	216916.336	2.0172	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.09%		*	
Target Compounds							**QValue**
T AR1016 1	4.838	0.0	71045.276	23.5943	ng/ml		100
T AR1016 2	5.139	0.0	172804.965	28.1604	ng/ml		100
T AR1016 1 #2	5.361	0.0	62072.434	0.0000	ng/ml		100

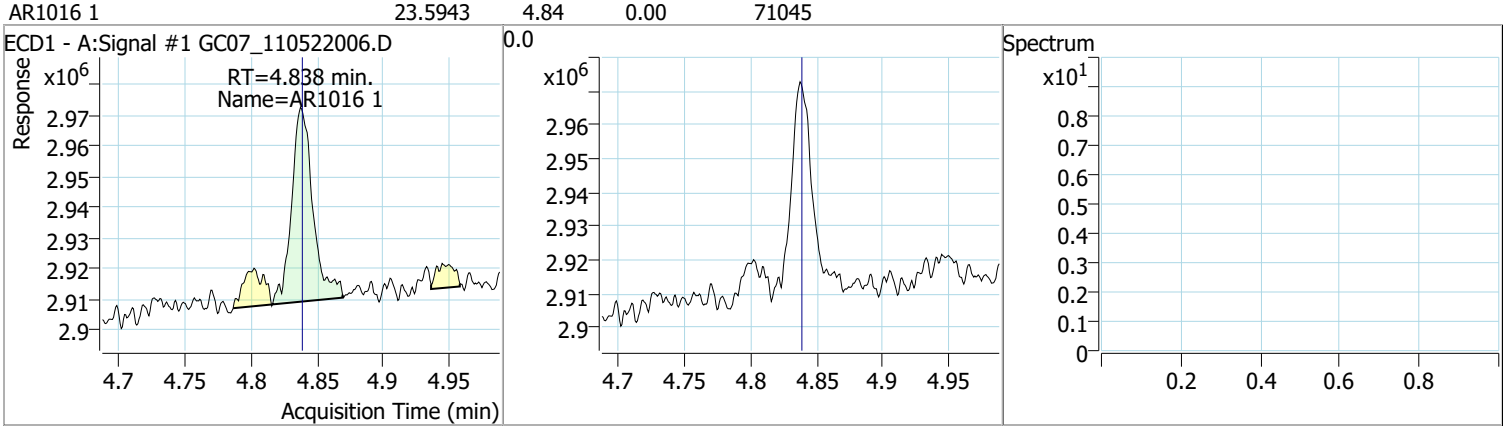
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	5.552	0.0	173149.277	23.0836	ng/ml	m	100
T AR1016 4	5.673	0.0	123068.179	22.8397	ng/ml		100
T AR1016 2 #2	5.750	0.0	110370.273	27.0462	ng/ml		100
T AR1016 5	6.063	0.0	107126.689	24.1795	ng/ml		100
T AR1016 3 #2	6.223	0.0	133420.043	26.4258	ng/ml	m	100
T AR1016 4 #2	6.376	0.0	91652.484	25.9632	ng/ml		100
T AR1016 5 #2	6.965	0.0	77485.244	26.4443	ng/ml		100
T AR1260 1	7.584	0.0	204224.217	24.5025	ng/ml		100
T AR1260 2	8.068	0.0	322371.051	24.9798	ng/ml		100
T AR1260 3	8.627	0.0	331714.237	24.5250	ng/ml		100
T AR1260 1 #2	9.378	0.0	154316.608	26.5376	ng/ml		100
T AR1260 4	9.439	0.0	190989.523	24.6780	ng/ml		100
T AR1260 2 #2	9.786	0.0	186517.750	27.3002	ng/ml		100
T AR1260 3 #2	10.358	0.0	212885.966	25.5848	ng/ml		100
T AR1260 5	10.427	0.0	282413.248	29.8895	ng/ml		100
T AR1260 4 #2	10.868	0.0	137146.094	25.7731	ng/ml		100
T AR1260 5 #2	11.556	0.0	282507.841	6.7312	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

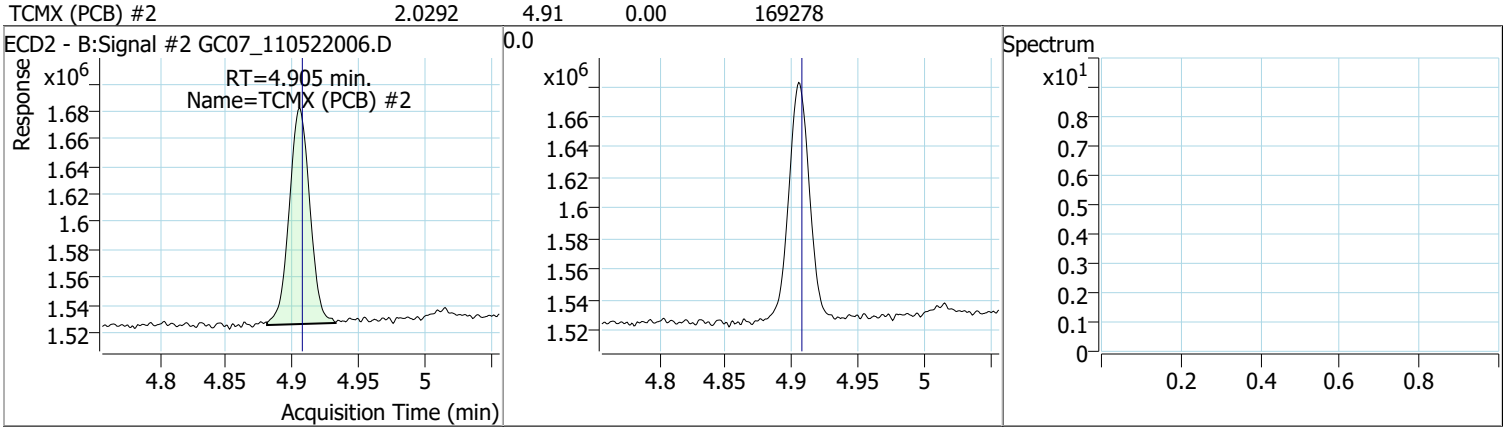
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8754	4.52	0.00	249828				



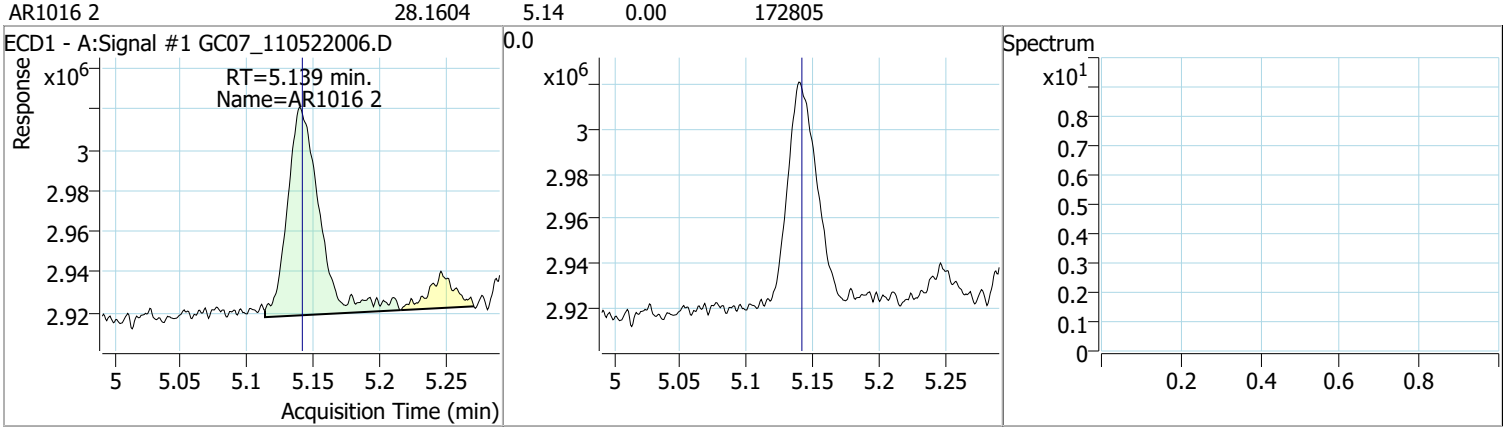
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AR1016 1	23.5943	4.84	0.00	71045				



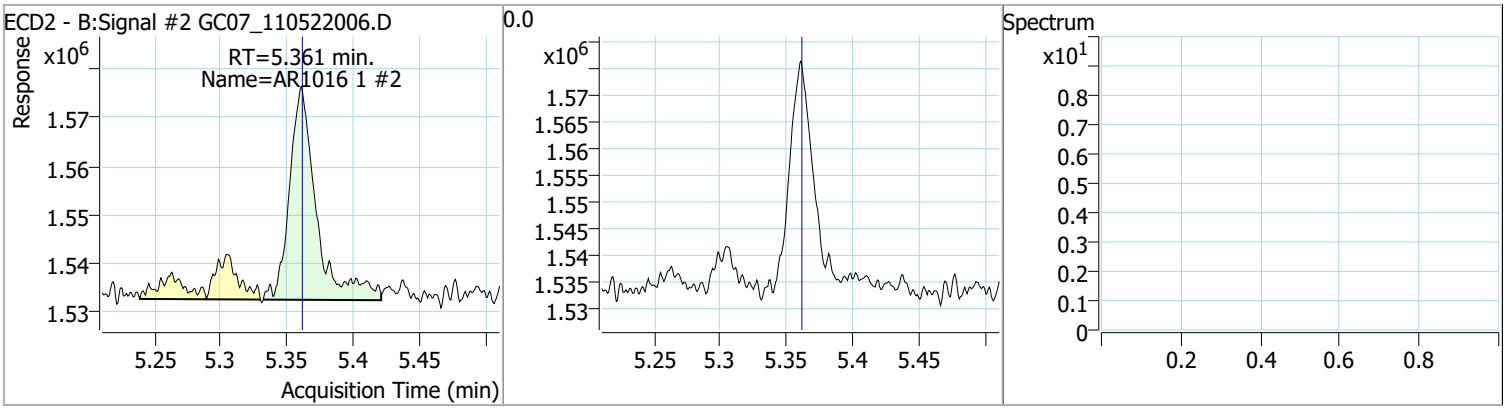
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TCMX (PCB) #2	2.0292	4.91	0.00	169278				



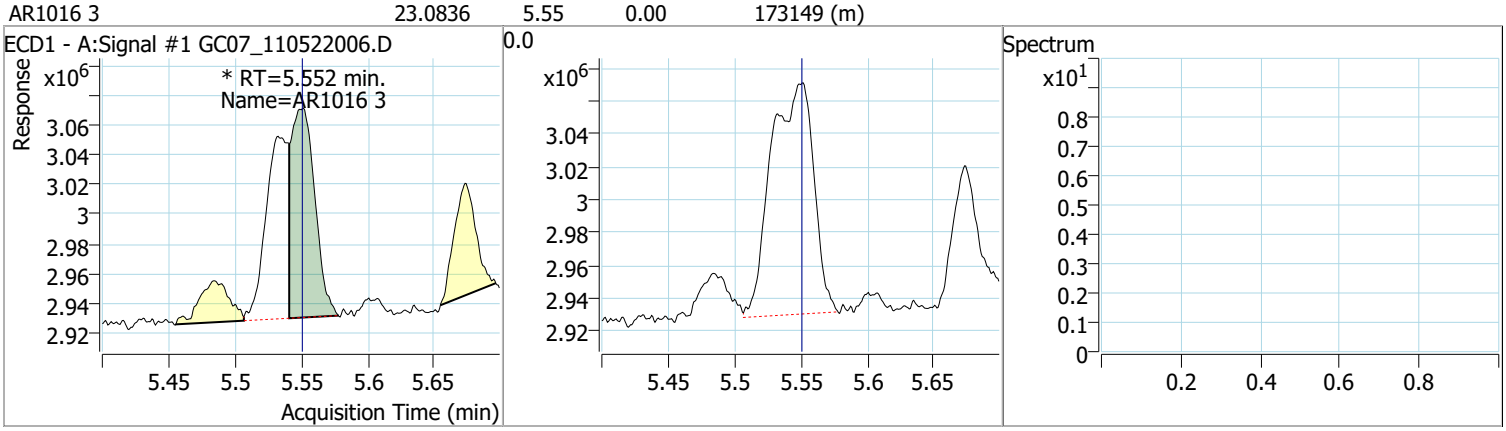
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AR1016 2	28.1604	5.14	0.00	172805				



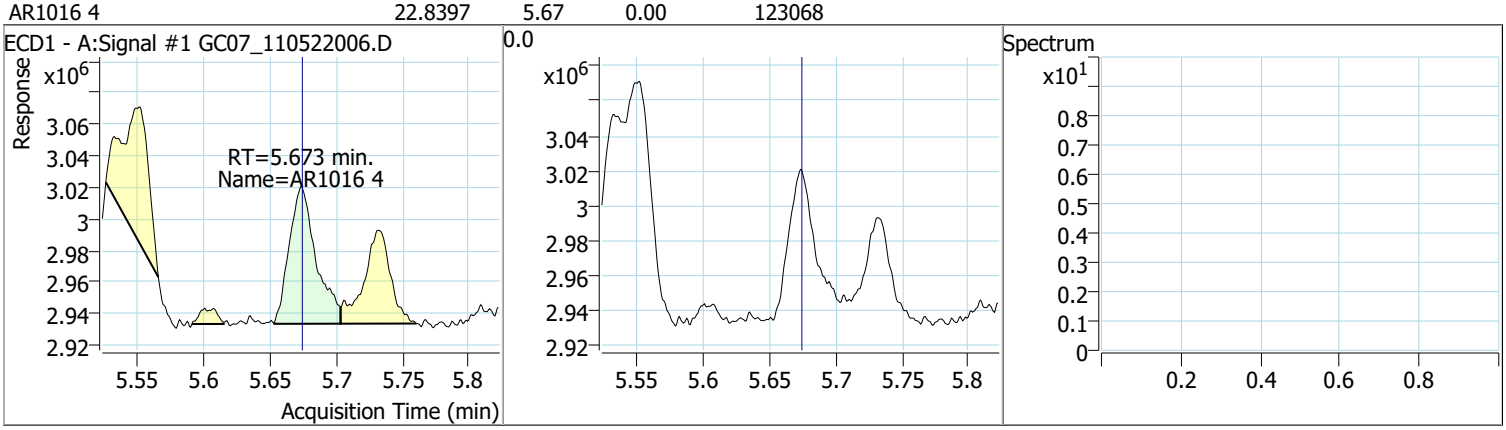
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AR1016 1 #2	0.0000	5.36	0.00	62072				



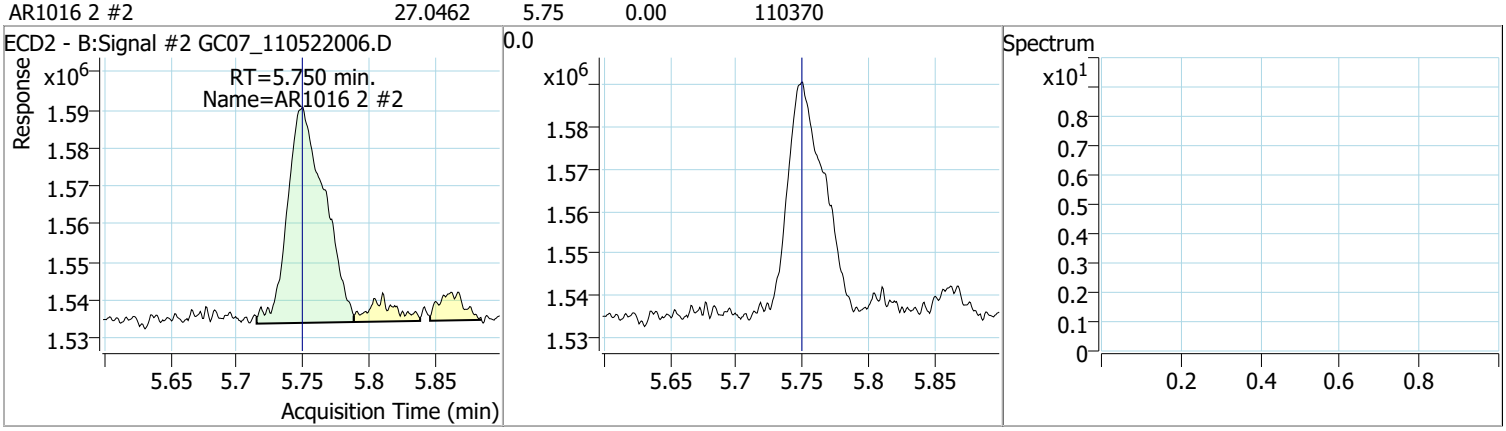
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AR1016 3	23.0836	5.55	0.00	173149 (m)				



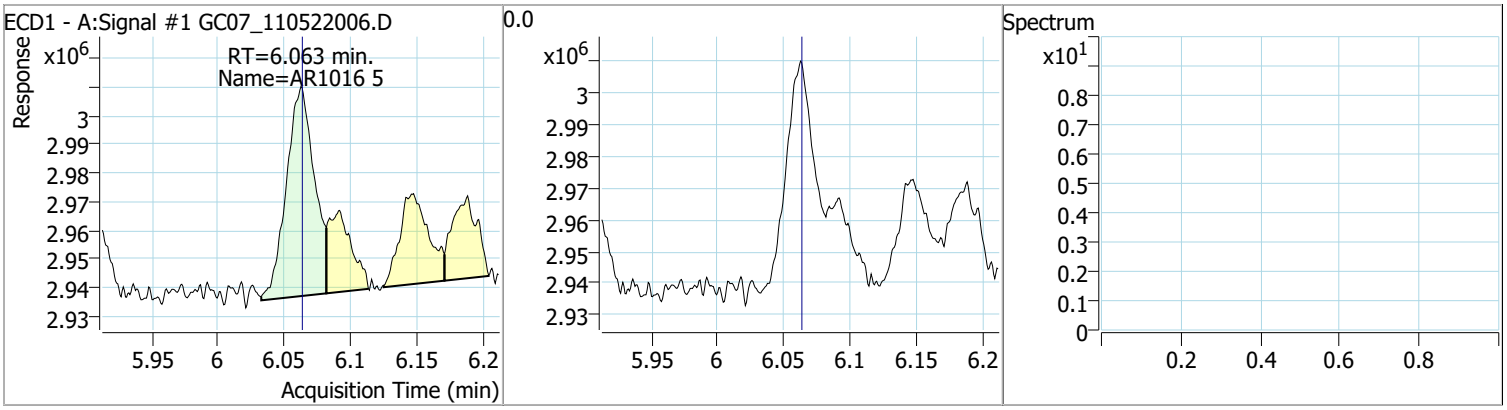
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	22.8397	5.67	0.00	123068				



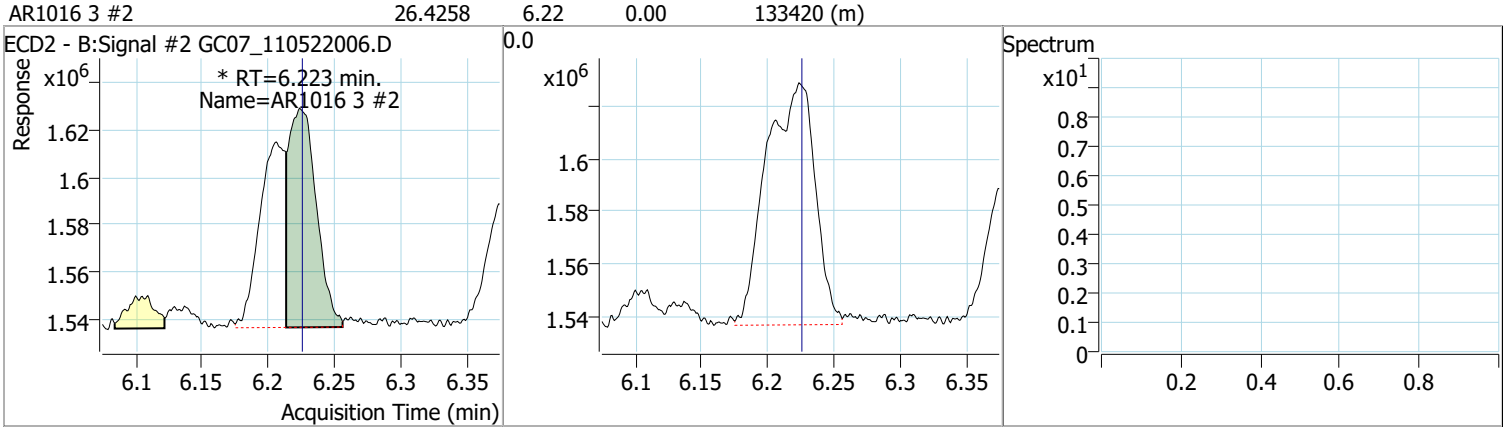
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AR1016 2 #2	27.0462	5.75	0.00	110370				



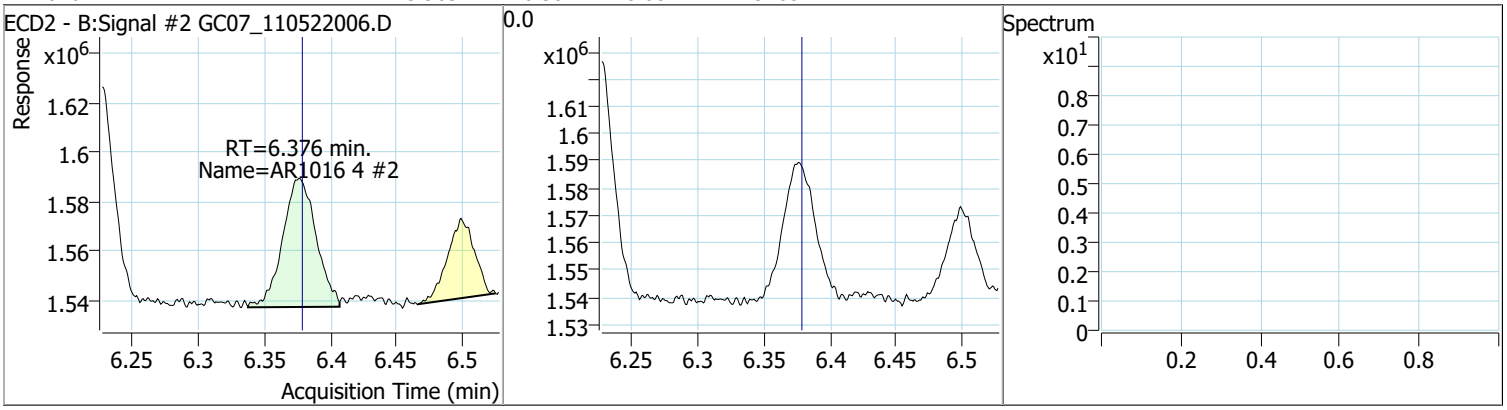
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AR1016 5	24.1795	6.06	0.00	107127				



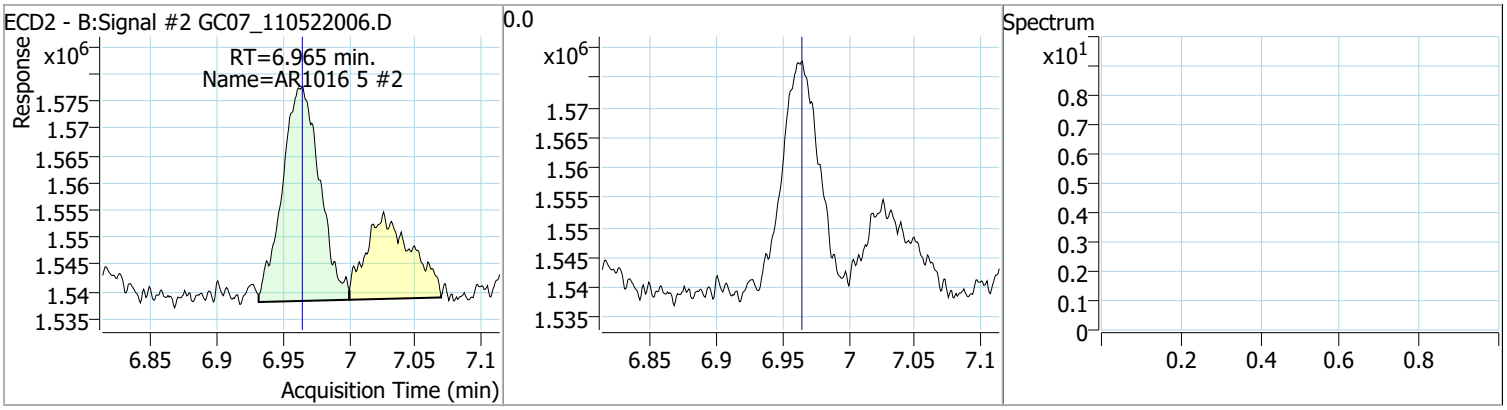
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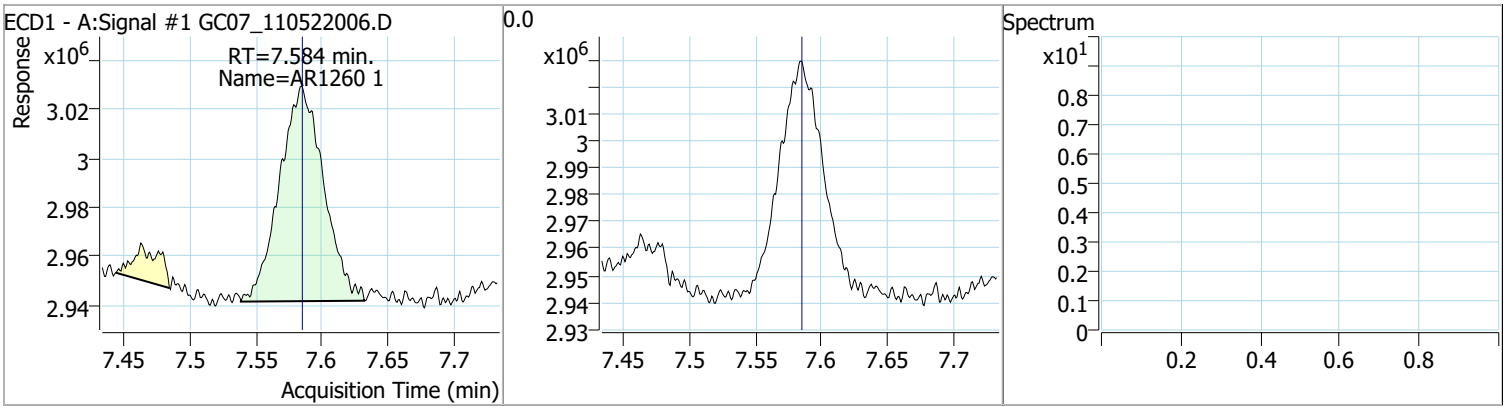
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	25.9632	6.38	0.00	91652				



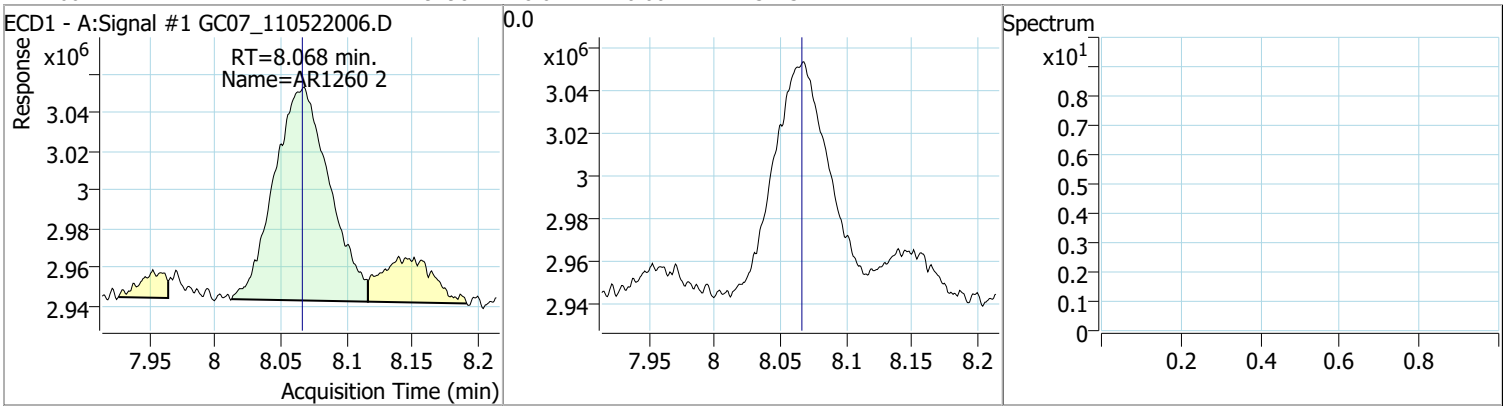
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	26.4443	6.97	0.00	77485				



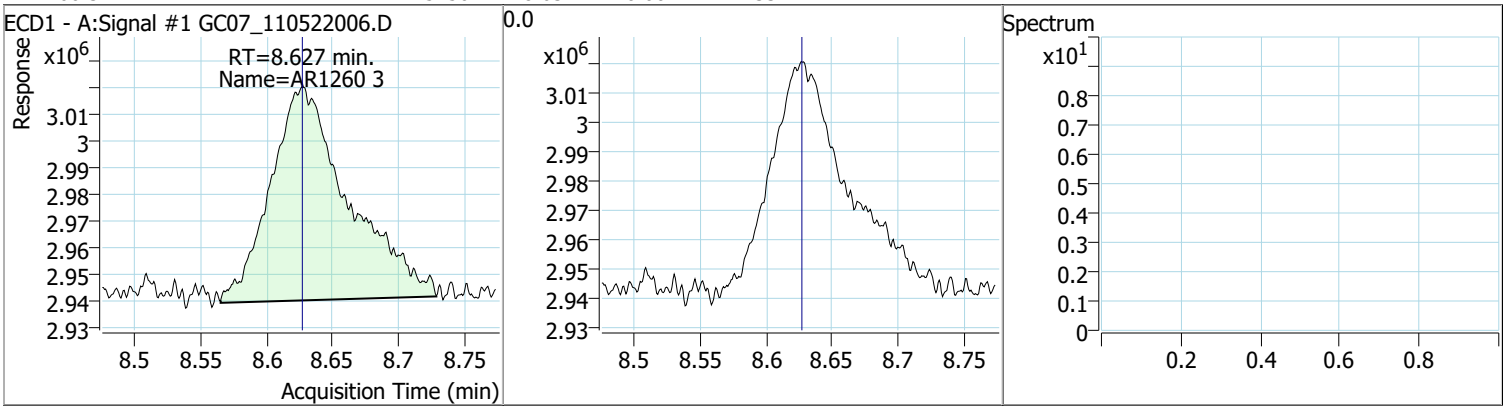
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	24.5025	7.58	0.00	204224				



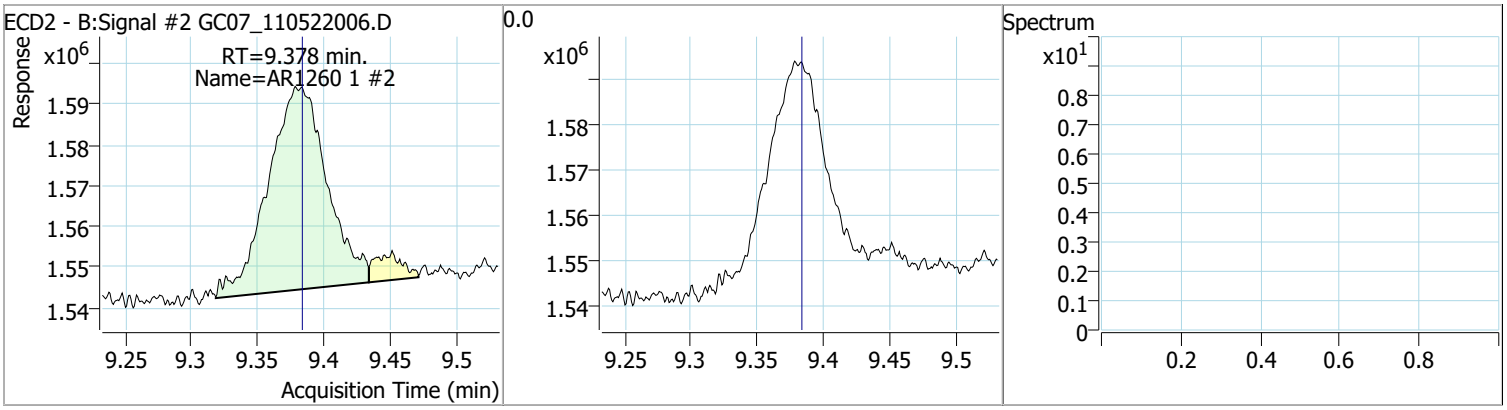
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	24.9798	8.07	0.00	322371				



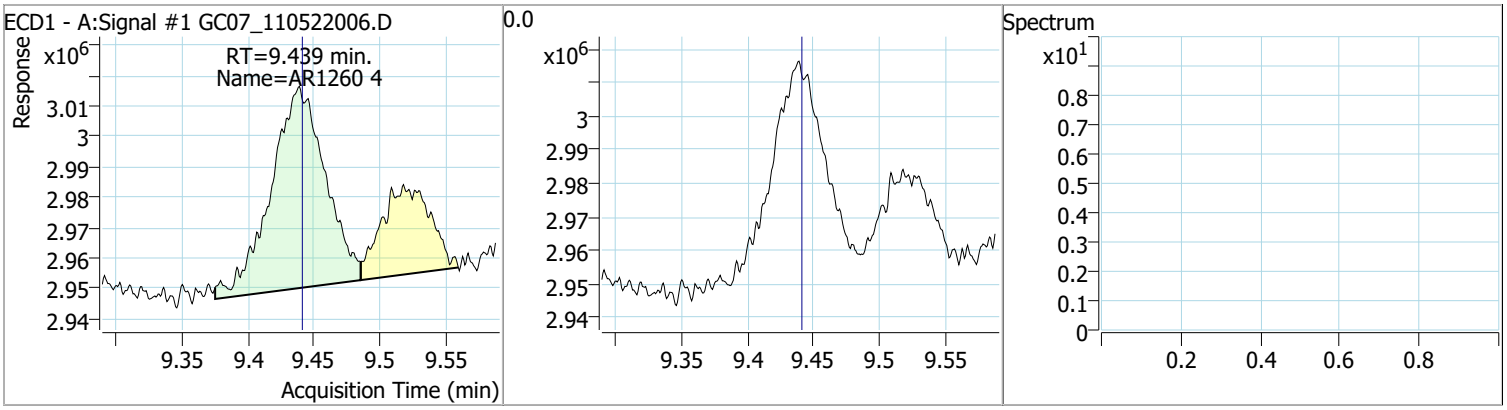
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	24.5250	8.63	0.00	331714				



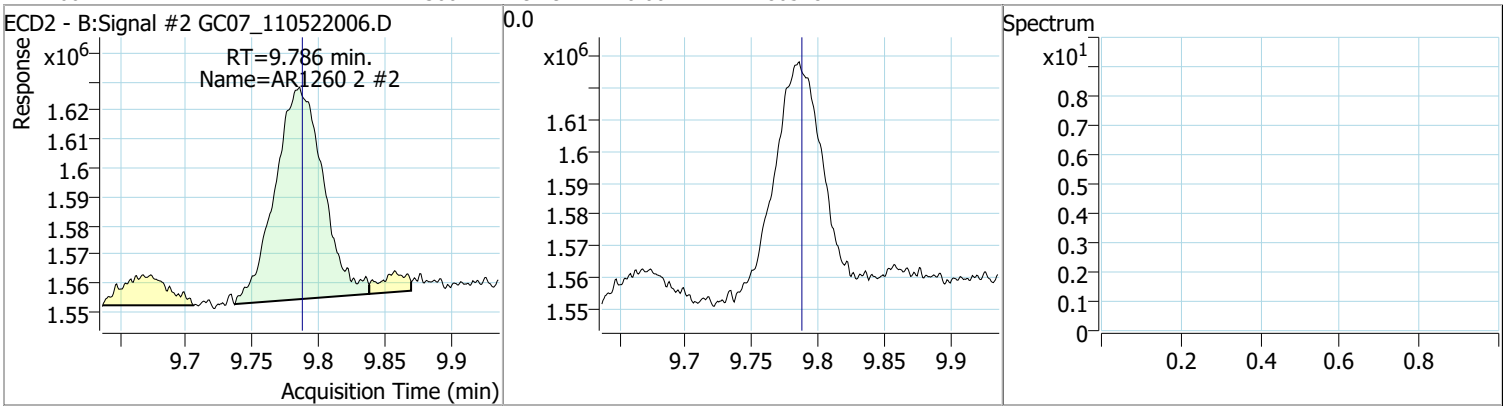
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	26.5376	9.38	0.00	154317				



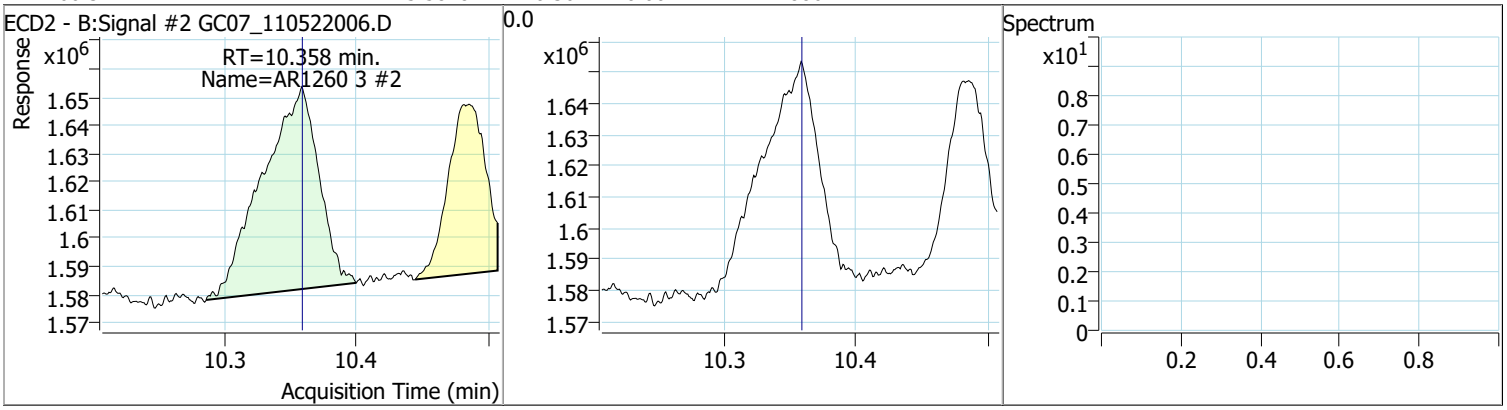
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	24.6780	9.44	0.00	190990				



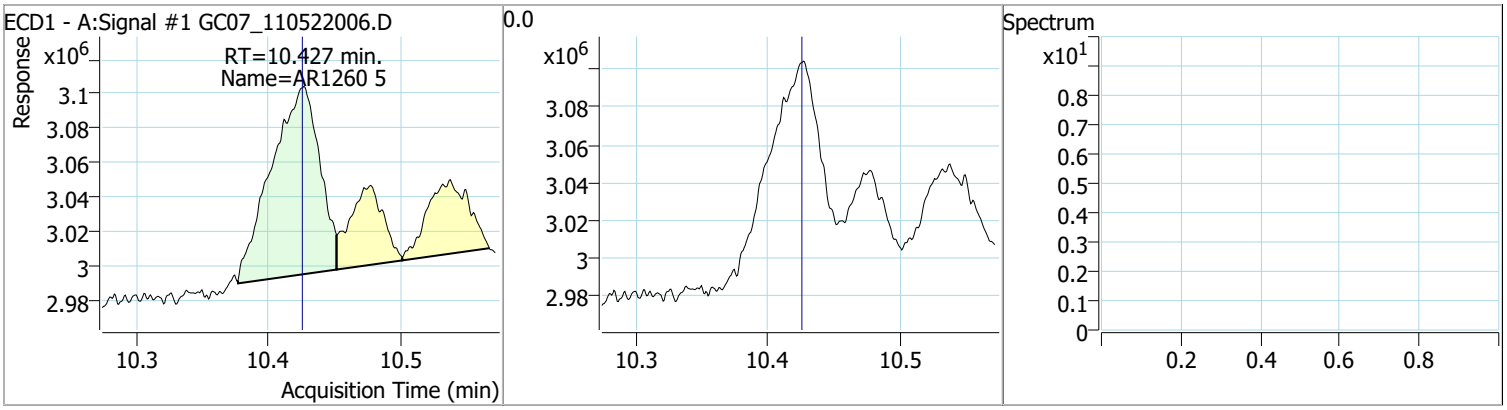
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	27.3002	9.79	0.00	186518				



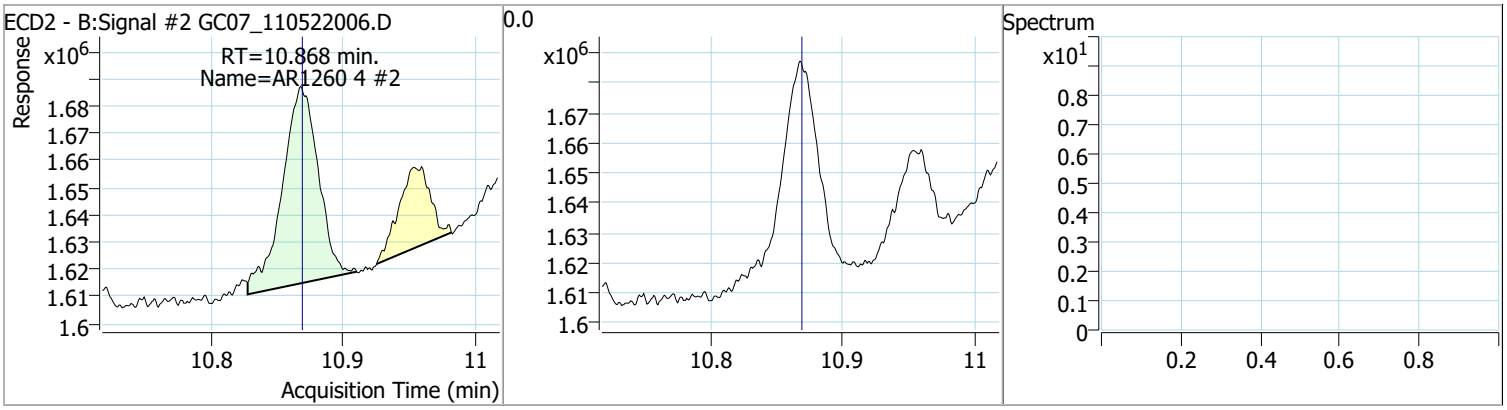
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	25.5848	10.36	0.00	212886				



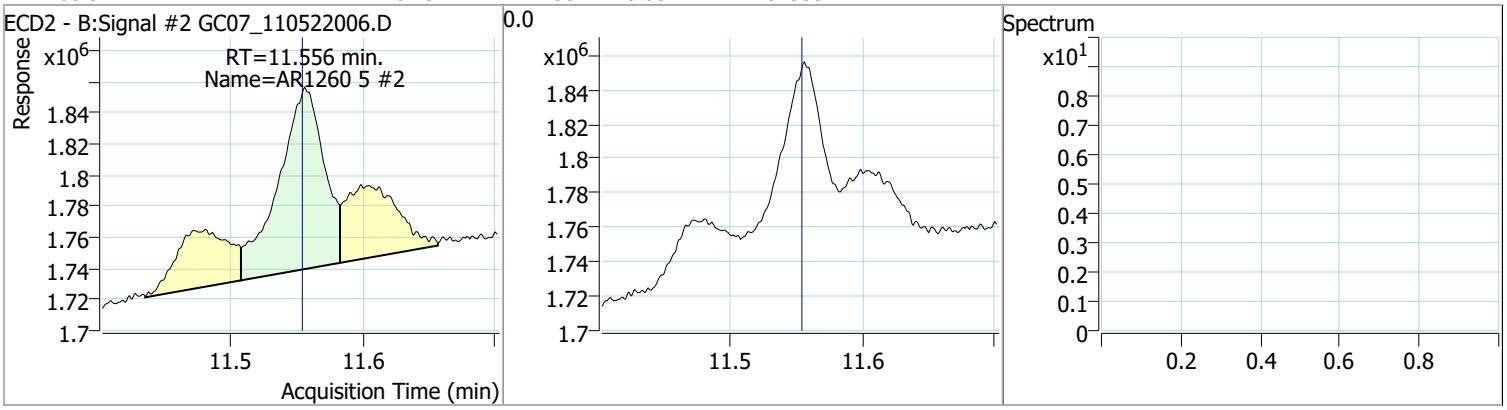
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	29.8895	10.43	0.00	282413				



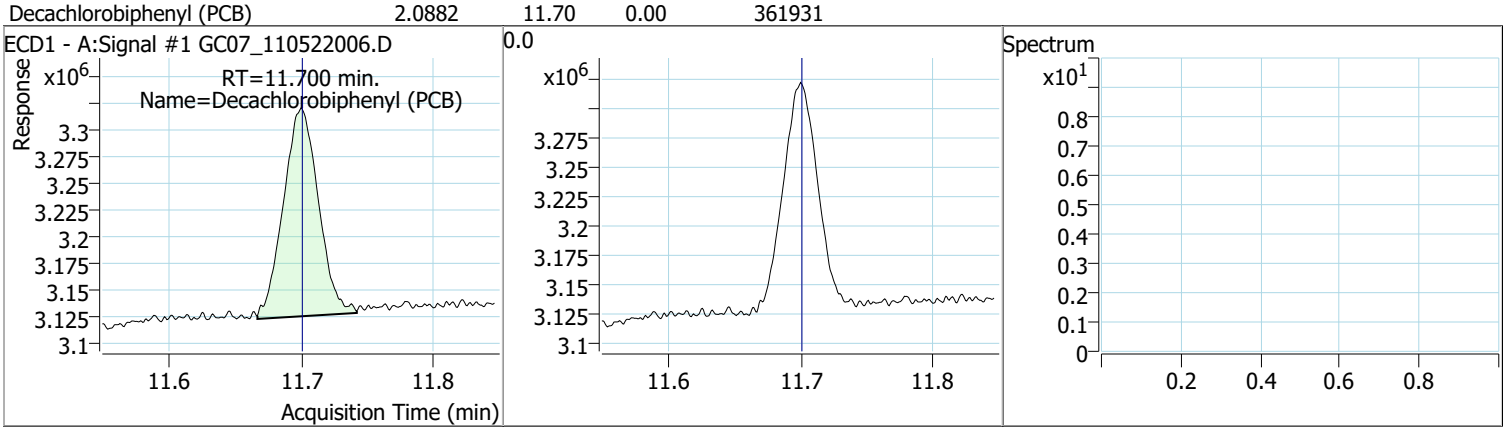
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AR1260 4 #2	25.7731	10.87	0.00	137146				



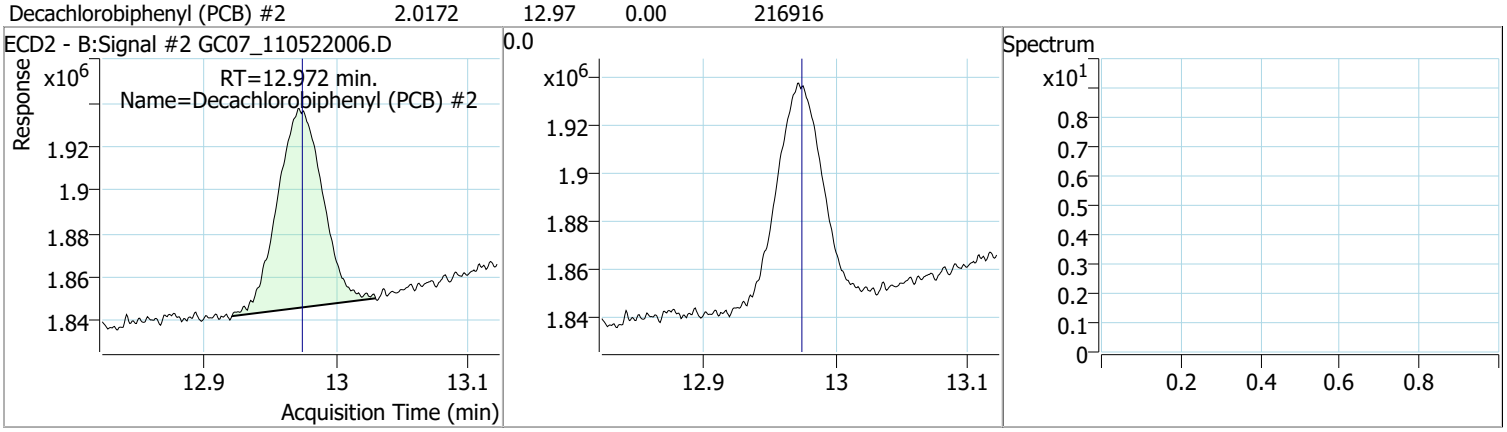
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	6.7312	11.56	0.00	282508				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	2.0882	11.70	0.00	361931				

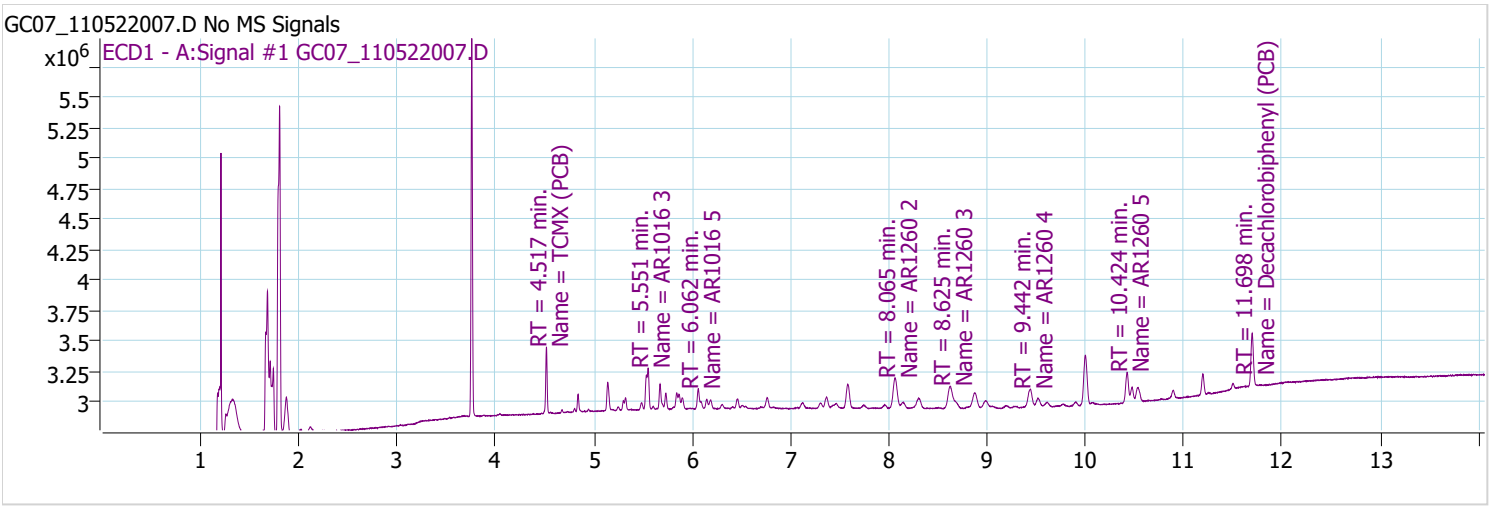


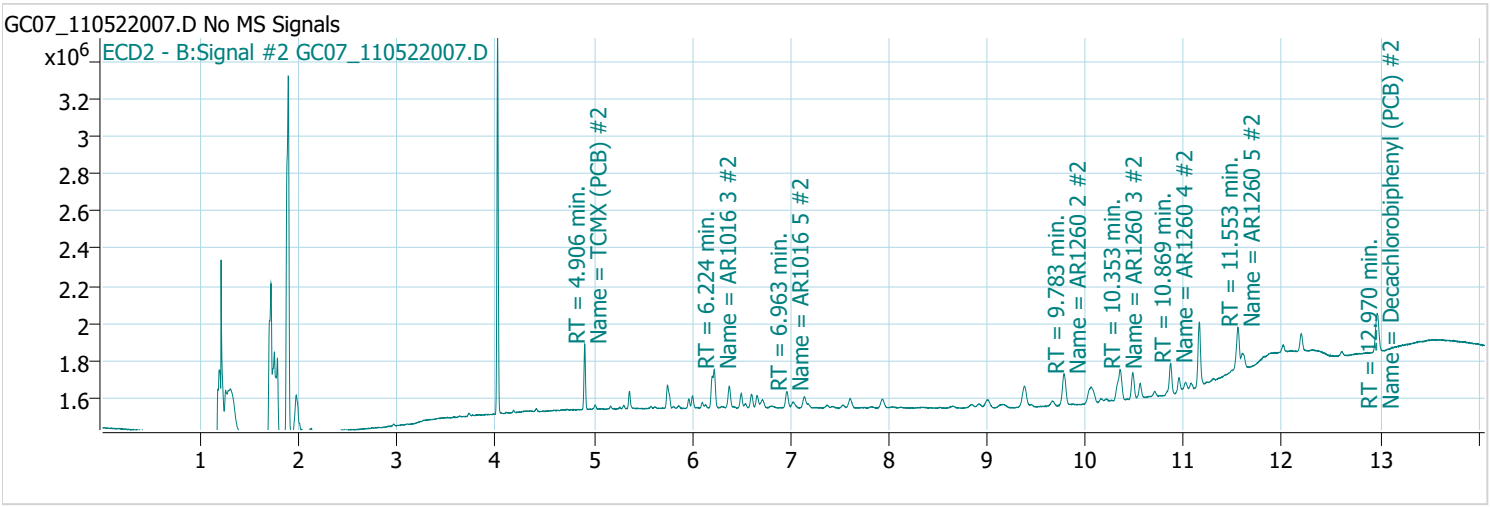
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.0172	12.97	0.00	216916				



Quantitation Results Report (Not Reviewed)

Data File	GC07_110522007.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/5/2022 5:32:19 PM
Sample Name	ICAL, S17264	Instrument	SVOA-GC07
Vial	42	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	110522PCBICAL.batch.bin	Last Calib Update	11/6/2022 3:52:48 PM
Ref Library			



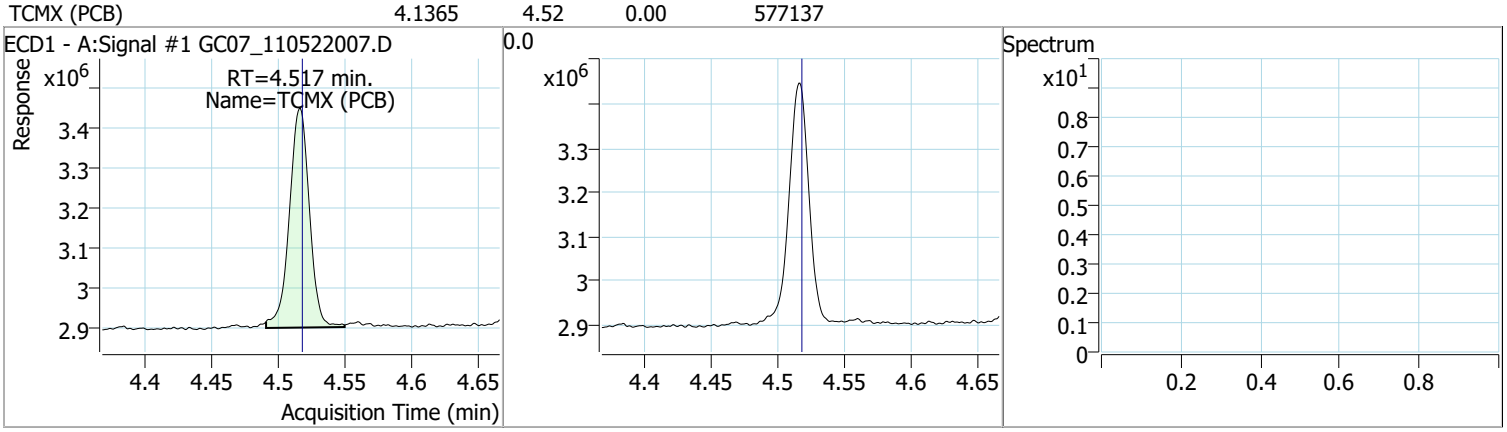


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.757	0.0	3023368.488	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.019	0.0	1889392.416	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.517	0.0	577137.343	4.1365	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.68%		*	
S TCMX (PCB) #2	4.906	0.0	377261.869	4.3110	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.55%		*	
S Decachlorobiphenyl (PCB)	11.698	0.0	798648.529	4.3995	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 22.00%		*	
S Decachlorobiphenyl (PCB) #2	12.970	0.0	488335.794	4.3288	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.64%		*	
Target Compounds							QValue
T AR1016 1	4.838	0.0	166406.811	52.7642	ng/ml		100
T AR1016 2	5.140	0.0	353174.388	54.9501	ng/ml		100
T AR1016 1 #2	5.361	0.0	126502.960	22.1109	ng/ml		100

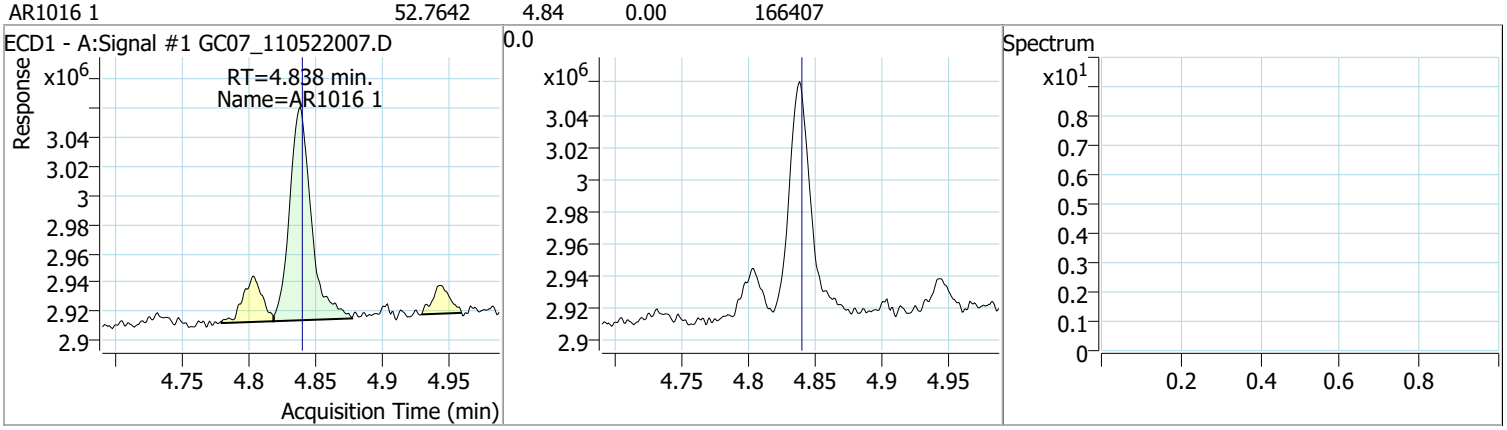
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	5.551	0.0	419856.482	53.4418	ng/ml	m	100
T AR1016 4	5.673	0.0	301747.458	53.4669	ng/ml		100
T AR1016 2 #2	5.748	0.0	244837.533	57.1917	ng/ml		100
T AR1016 5	6.062	0.0	246463.918	53.1129	ng/ml		100
T AR1016 3 #2	6.224	0.0	296902.956	56.0563	ng/ml	m	100
T AR1016 4 #2	6.378	0.0	211105.409	57.0052	ng/ml		100
T AR1016 5 #2	6.963	0.0	171330.817	55.7380	ng/ml		100
T AR1260 1	7.581	0.0	465186.558	53.2877	ng/ml		100
T AR1260 2	8.065	0.0	726350.539	53.7374	ng/ml		100
T AR1260 3	8.625	0.0	643657.575	45.4356	ng/ml		100
T AR1260 1 #2	9.381	0.0	349231.948	57.2486	ng/ml		100
T AR1260 4	9.442	0.0	416439.086	51.3747	ng/ml		100
T AR1260 2 #2	9.783	0.0	419573.728	58.5404	ng/ml		100
T AR1260 3 #2	10.353	0.0	494184.789	56.6143	ng/ml		100
T AR1260 5	10.424	0.0	505267.002	51.0566	ng/ml		100
T AR1260 4 #2	10.869	0.0	287325.646	51.4707	ng/ml		100
T AR1260 5 #2	11.553	0.0	514660.960	36.6593	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

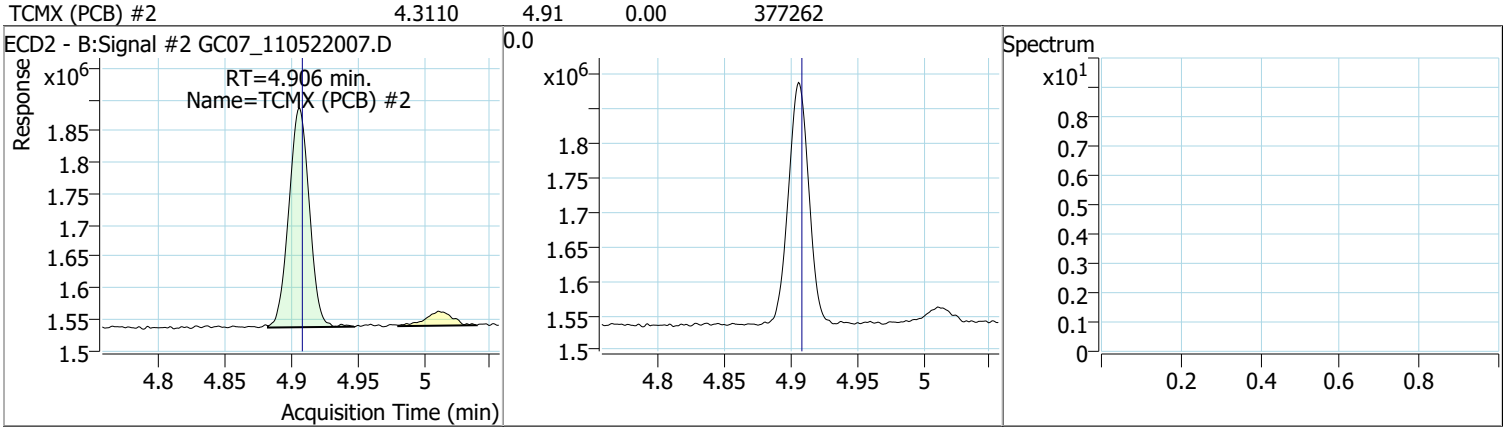
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.1365	4.52	0.00	577137				



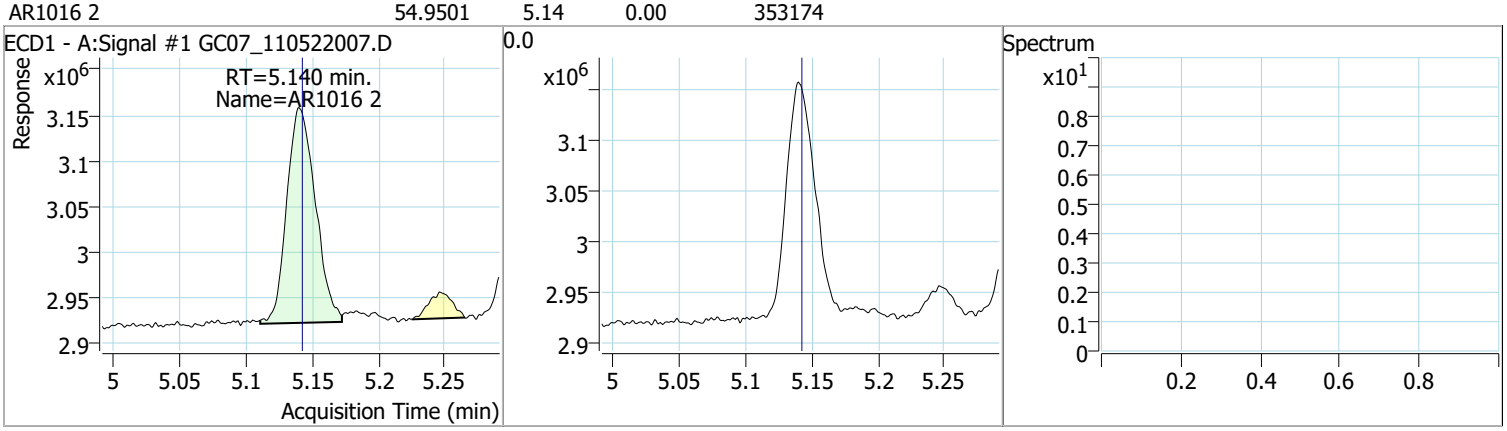
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.7642	4.84	0.00	166407				



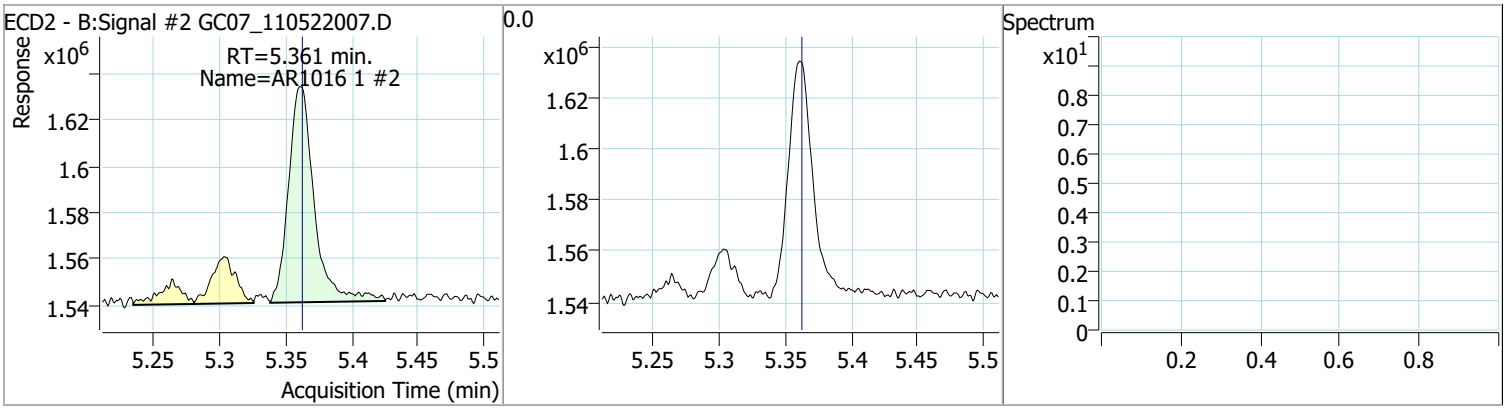
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TCMX (PCB) #2	4.3110	4.91	0.00	377262				



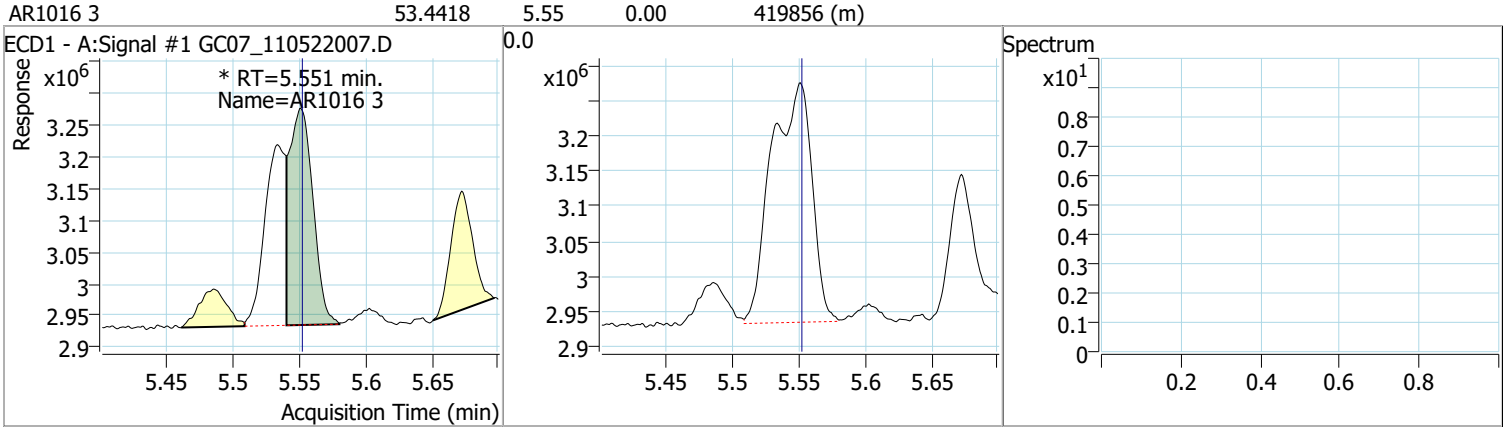
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AR1016 2	54.9501	5.14	0.00	353174				



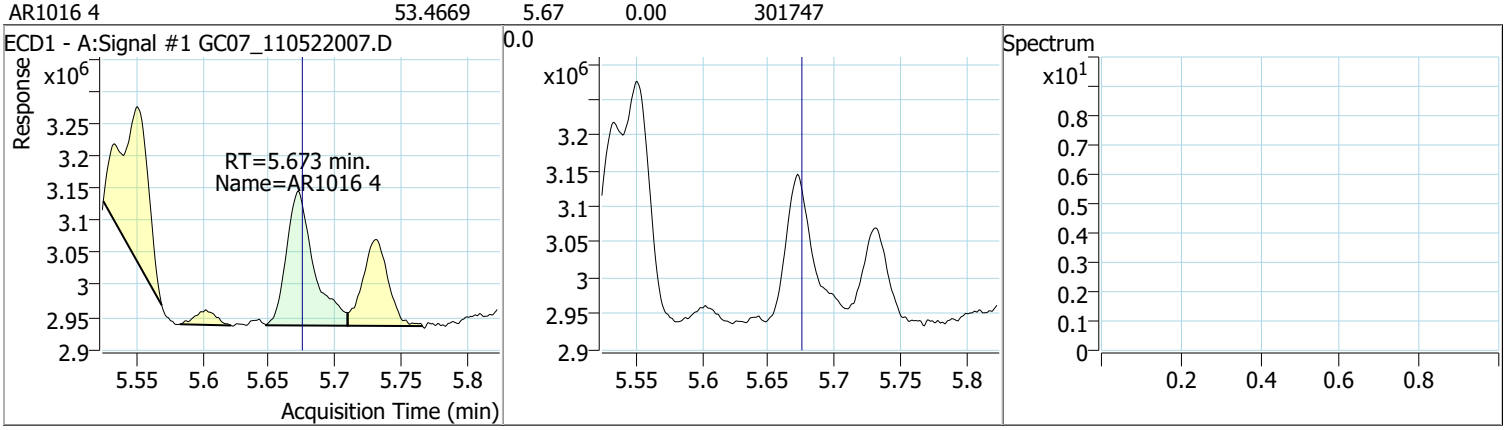
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	22.1109	5.36	0.00	126503				



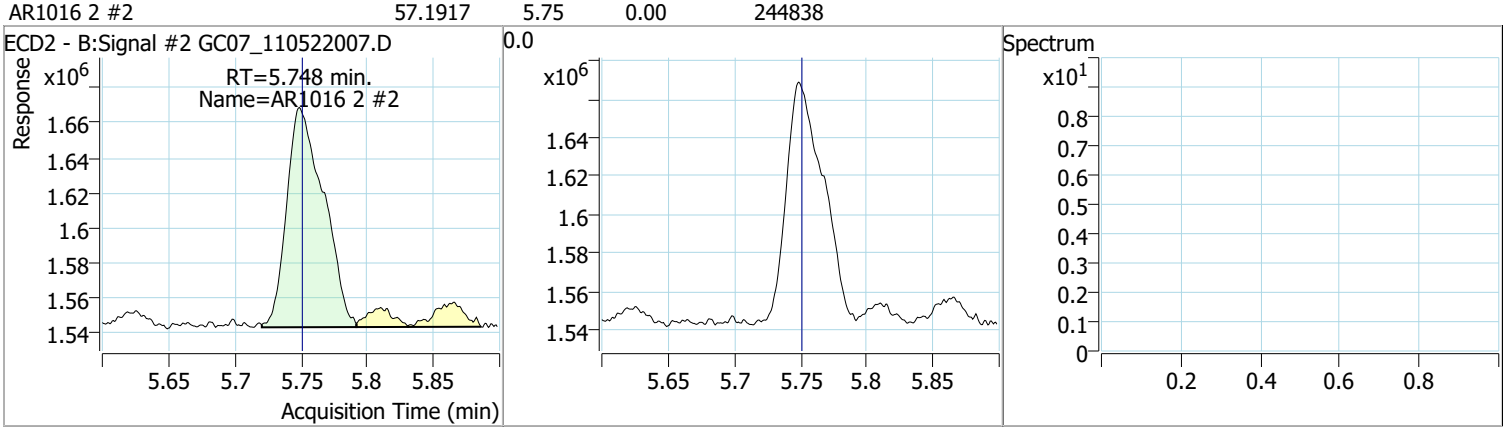
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	53.4418	5.55	0.00	419856 (m)				



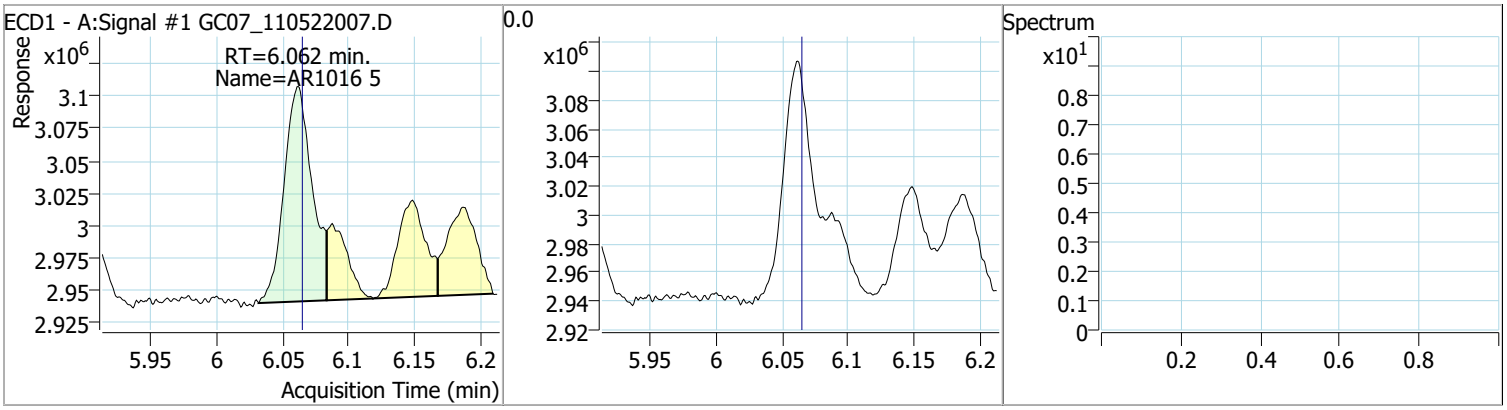
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	53.4669	5.67	0.00	301747				



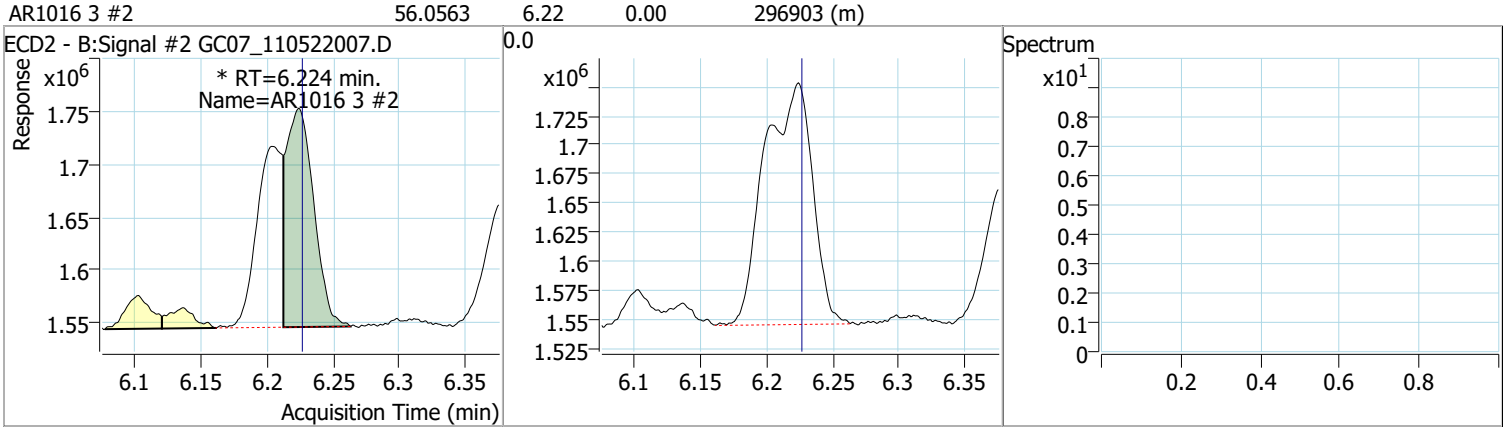
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	57.1917	5.75	0.00	244838				



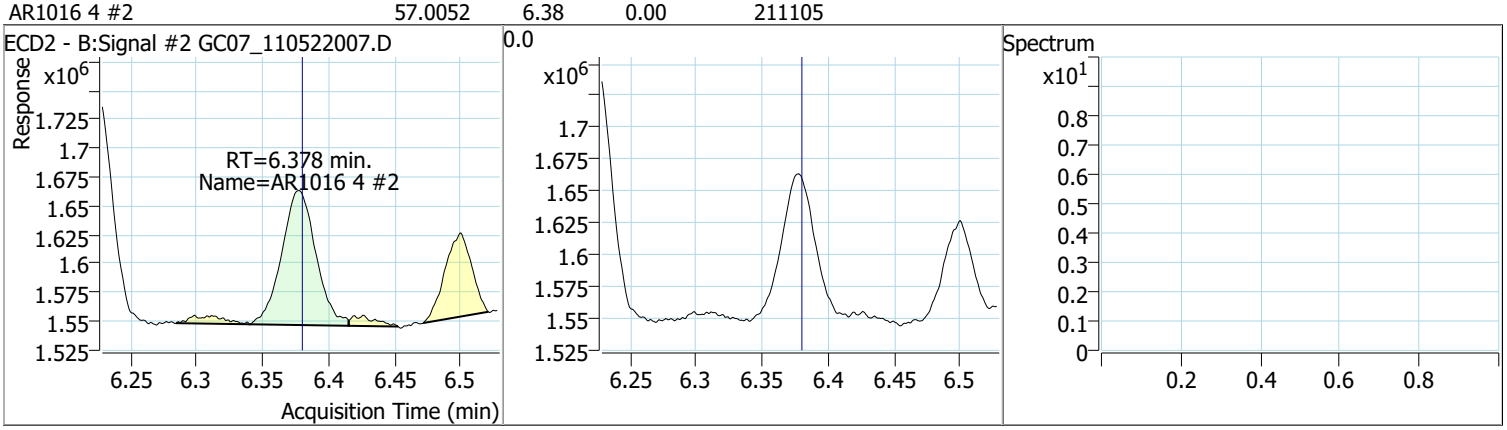
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	53.1129	6.06	0.00	246464				



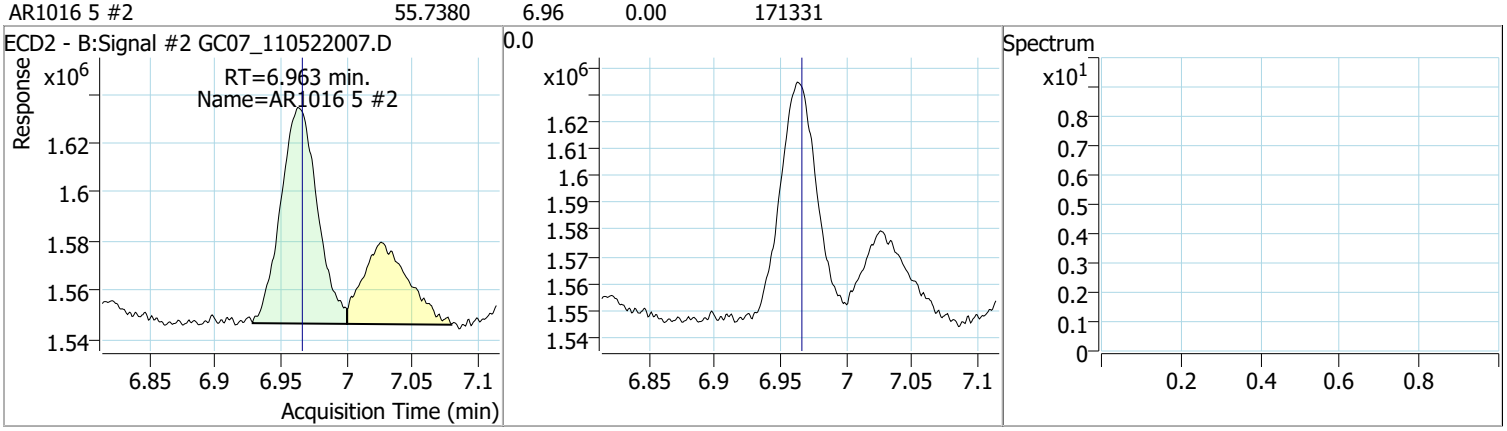
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	56.0563	6.22	0.00	296903 (m)				



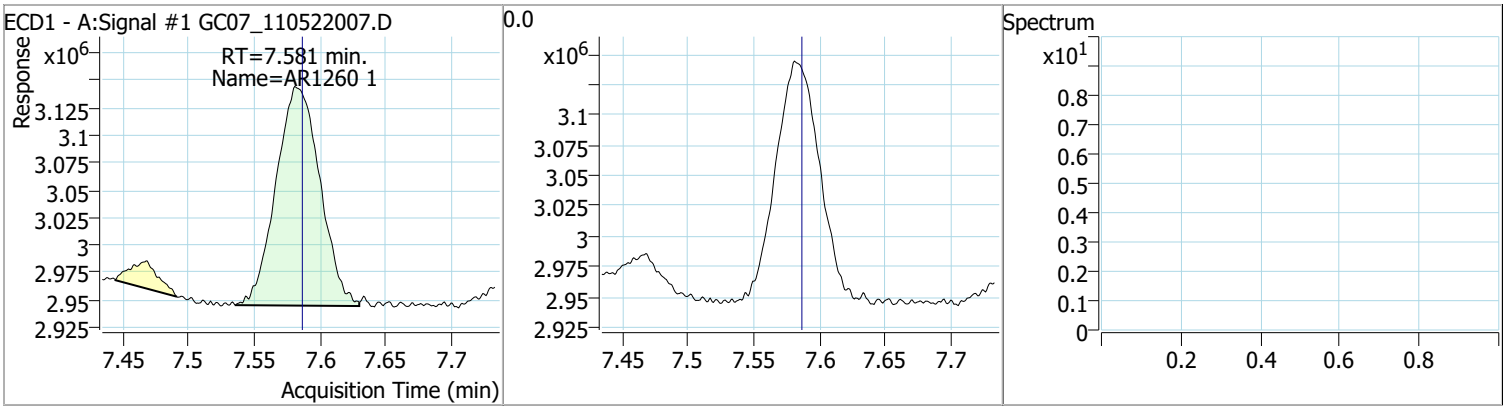
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AR1016 4 #2	57.0052	6.38	0.00	211105				



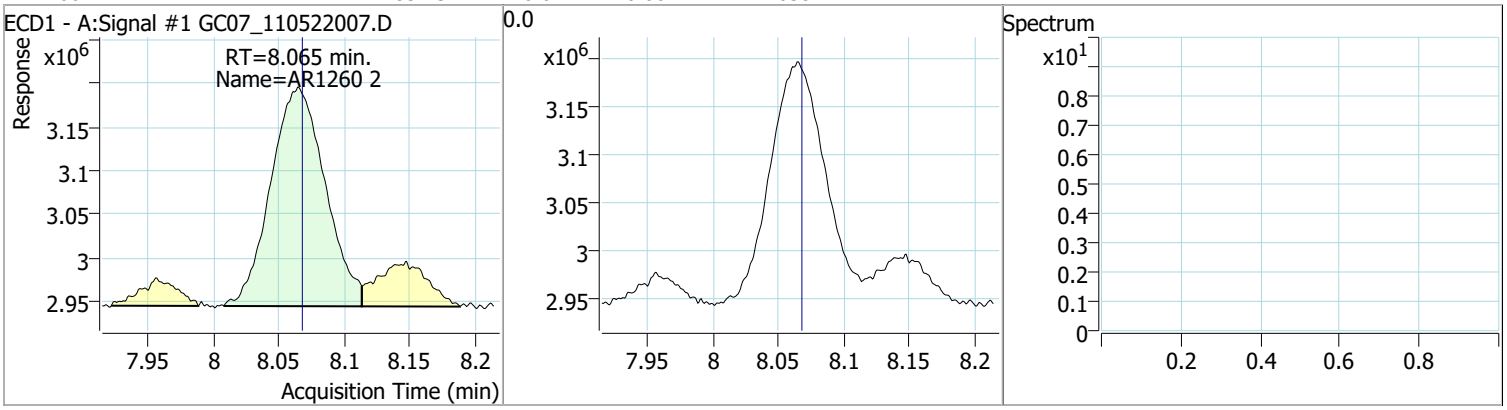
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	55.7380	6.96	0.00	171331				



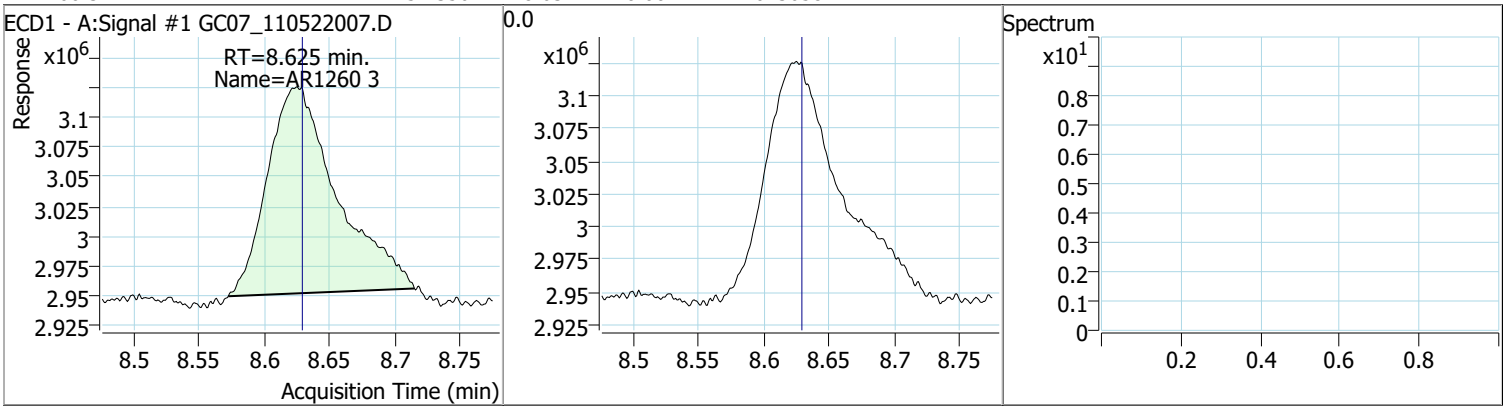
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	53.2877	7.58	0.00	465187				



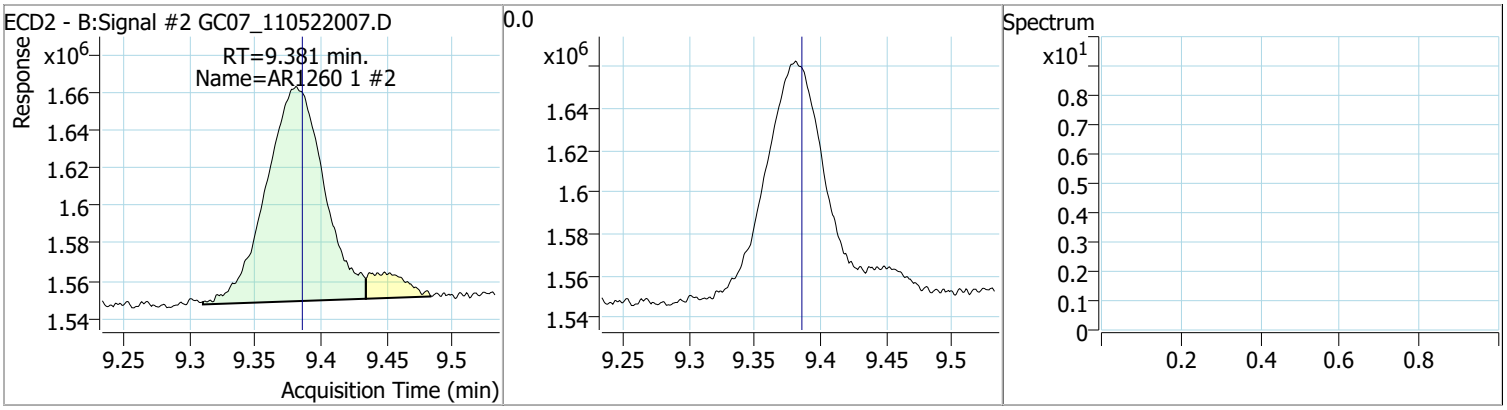
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	53.7374	8.07	0.00	726351				



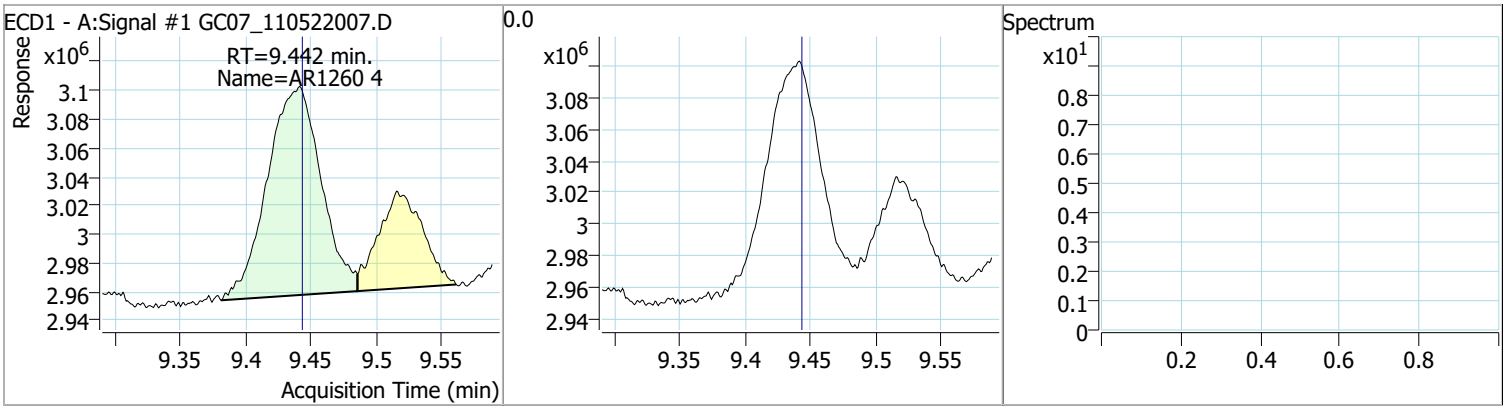
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	45.4356	8.63	0.00	643658				



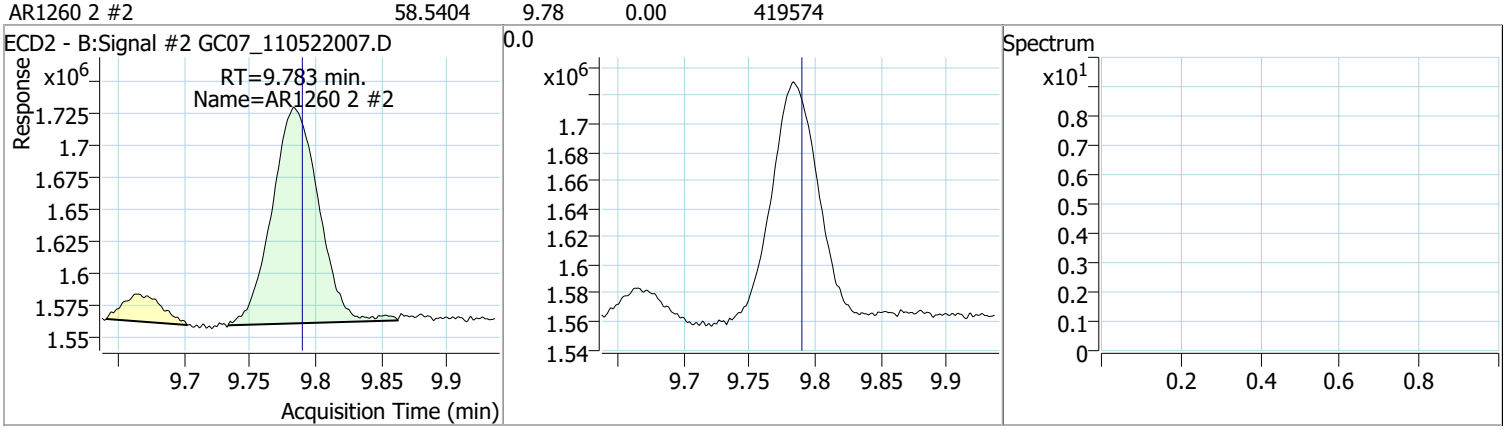
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	57.2486	9.38	0.00	349232				



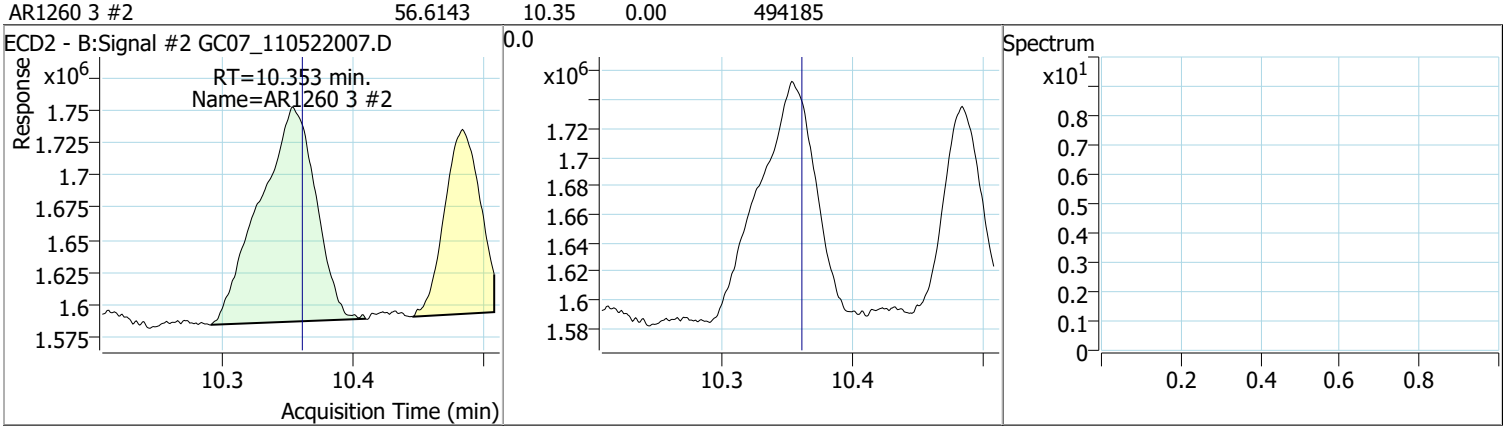
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	51.3747	9.44	0.00	416439				



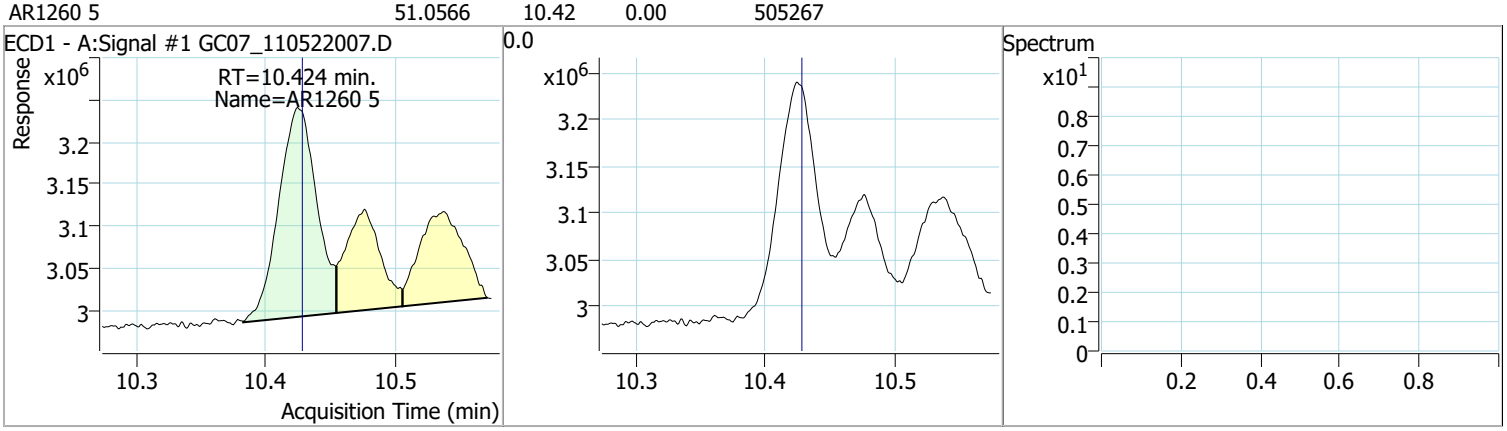
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	58.5404	9.78	0.00	419574				



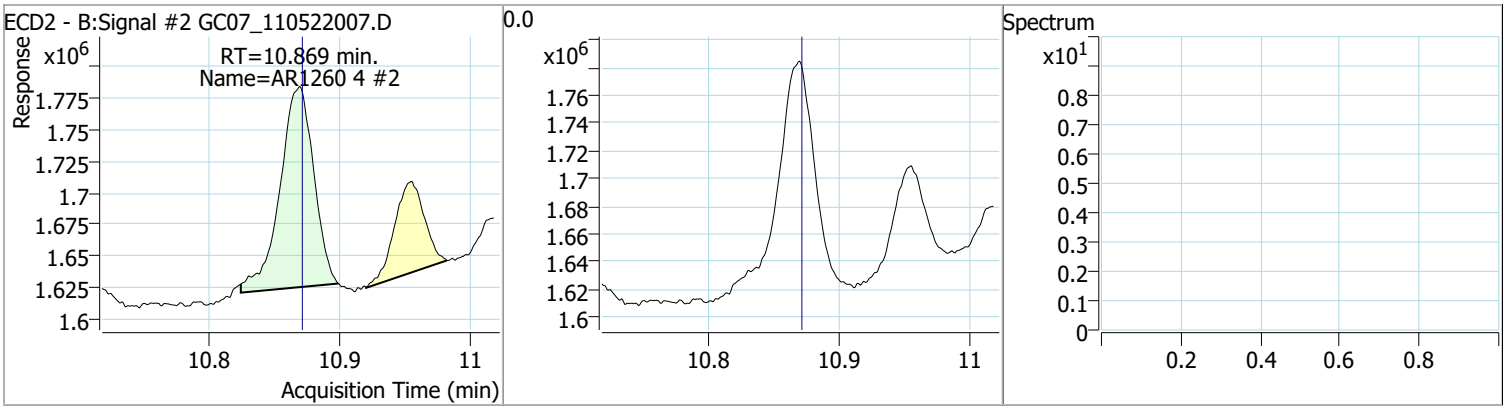
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	56.6143	10.35	0.00	494185				



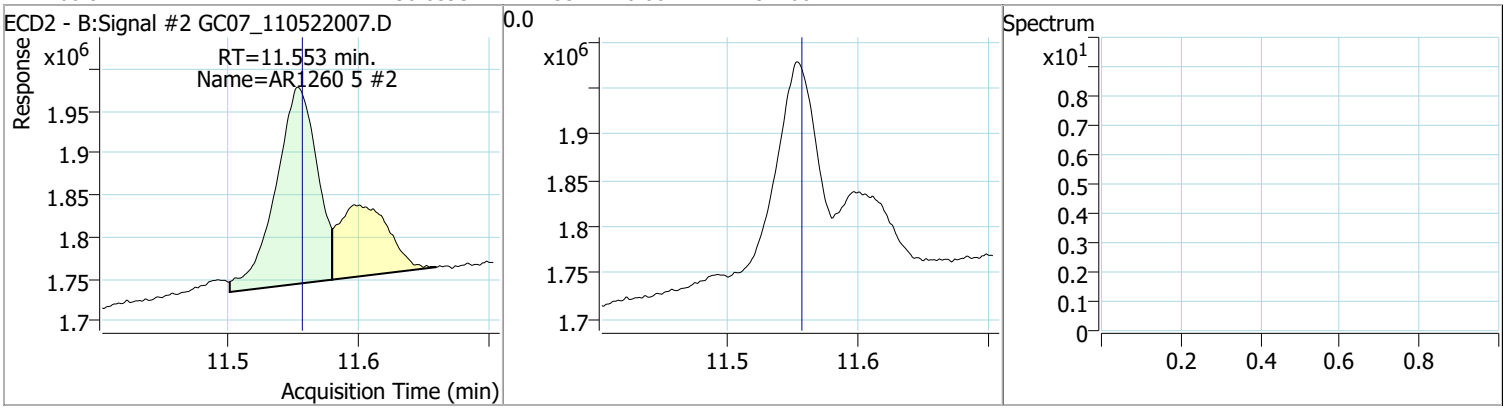
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	51.0566	10.42	0.00	505267				



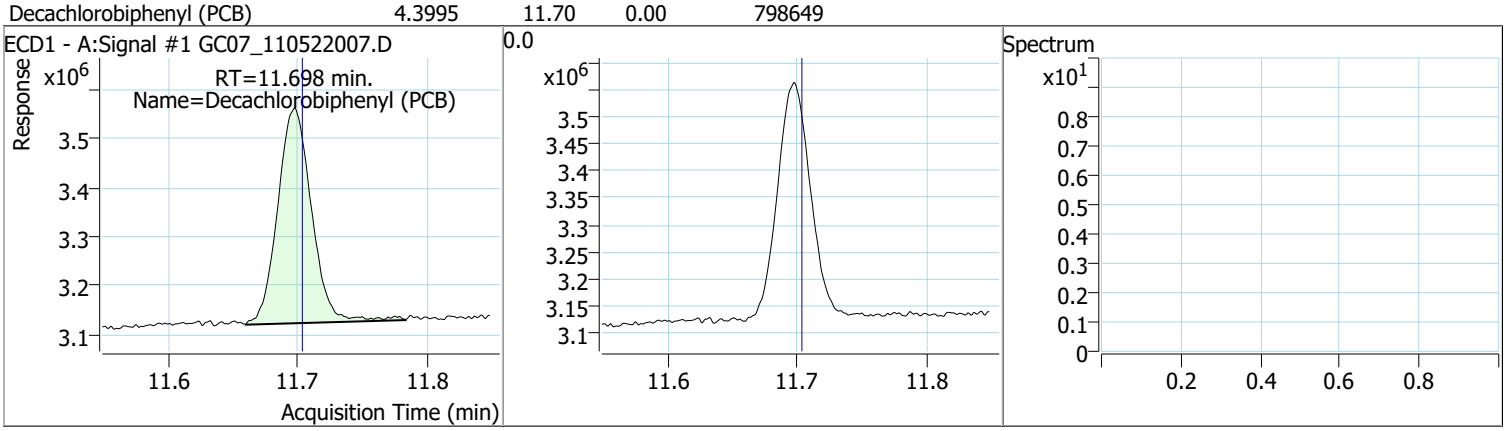
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	51.4707	10.87	0.00	287326				



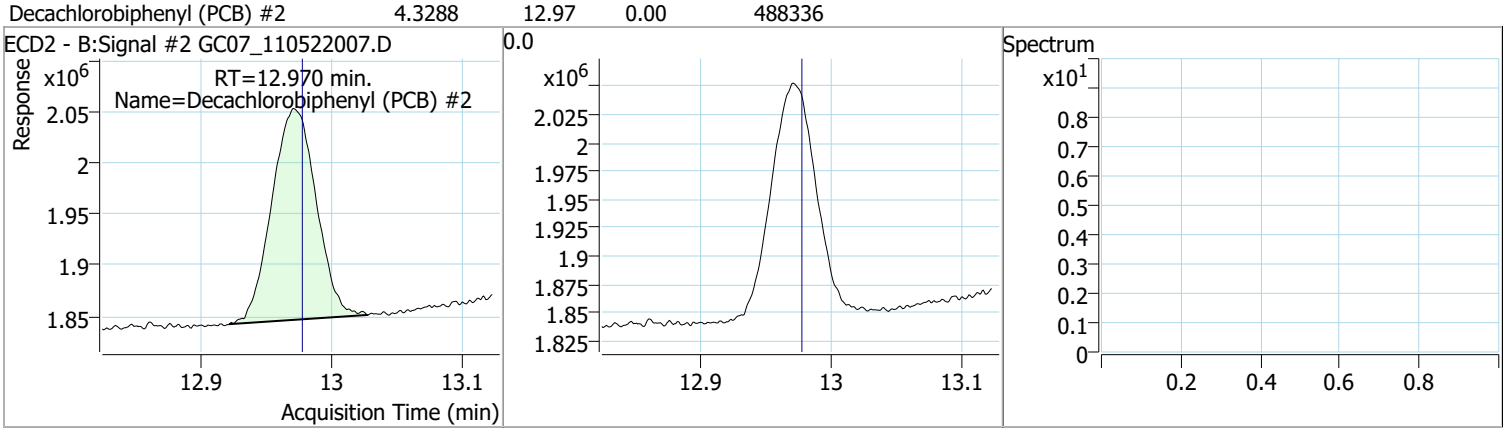
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	36.6593	11.55	0.00	514661				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.3995	11.70	0.00	798649				

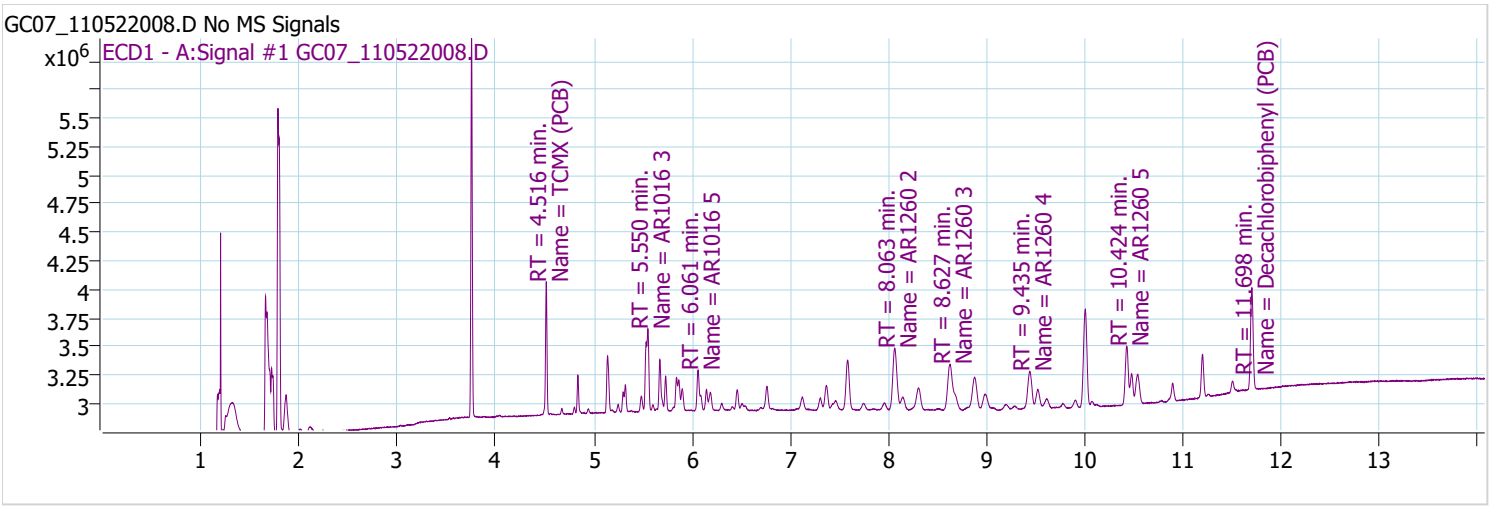


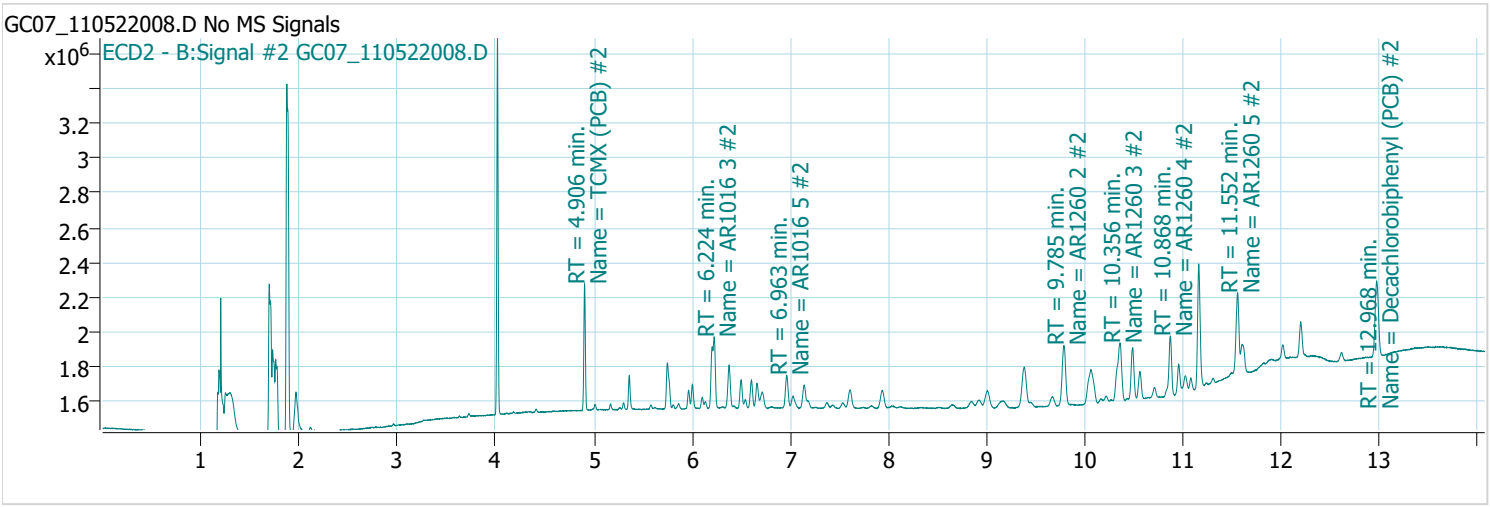
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.3288	12.97	0.00	488336				



Quantitation Results Report (Not Reviewed)

Data File	GC07_110522008.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/5/2022 5:49:43 PM
Sample Name	ICAL, S17265	Instrument	SVOA-GC07
Vial	43	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	110522PCBICAL.batch.bin	Last Calib Update	11/6/2022 3:52:48 PM
Ref Library			



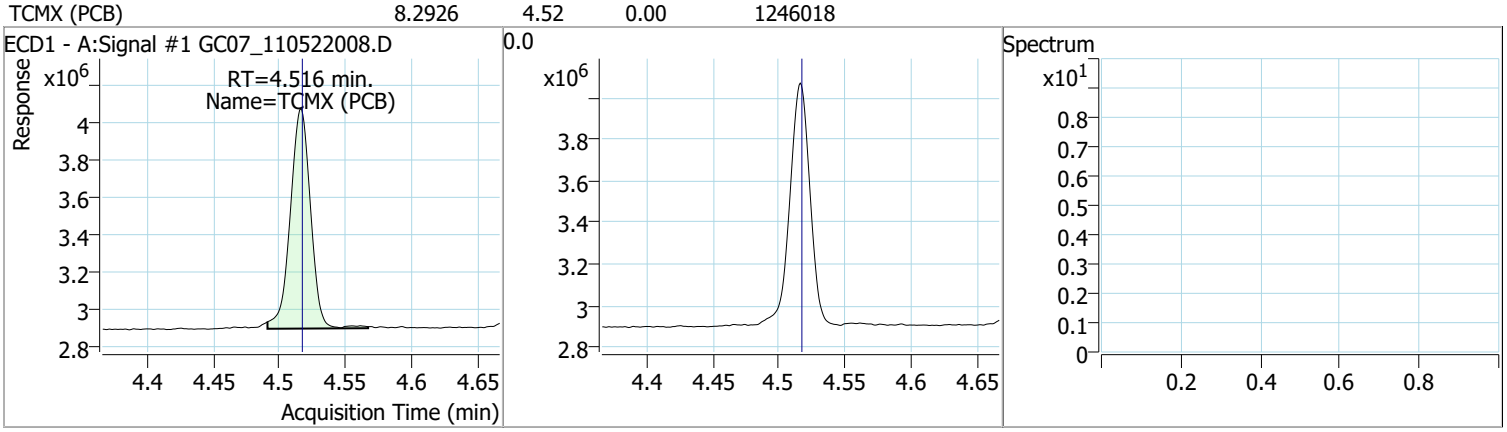


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.756	0.0	3255965.875	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.019	0.0	2039330.463	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.516	0.0	1246017.664	8.2926	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 41.46%		*	
S TCMX (PCB) #2	4.906	0.0	792620.806	8.3914	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 41.96%		*	
S Decachlorobiphenyl (PCB)	11.698	0.0	1660887.167	8.4957	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 42.48%		*	
S Decachlorobiphenyl (PCB) #2	12.968	0.0	1066273.554	8.7570	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 43.79%		*	
Target Compounds							QValue
T AR1016 1	4.838	0.0	370376.793	109.0494	ng/ml		100

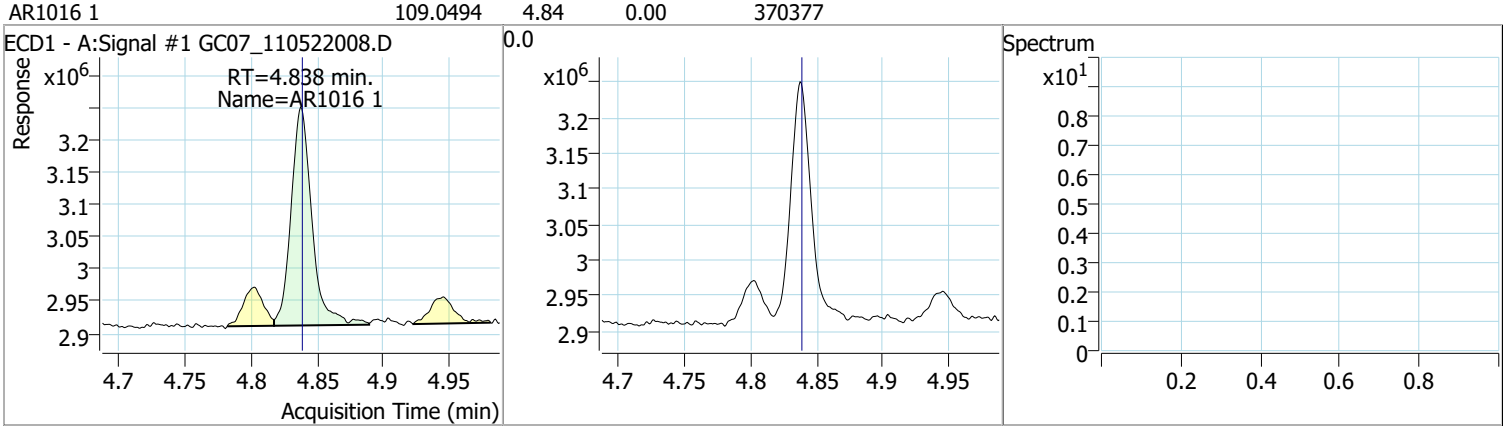
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.140	0.0	759069.507	109.6661	ng/ml		100
T AR1016 1 #2	5.361	0.0	250035.636	84.4677	ng/ml		100
T AR1016 3	5.550	0.0	921641.800	108.9316	ng/ml	m	100
T AR1016 4	5.672	0.0	669608.654	110.1727	ng/ml		100
T AR1016 2 #2	5.749	0.0	522411.262	113.0583	ng/ml		100
T AR1016 5	6.061	0.0	556229.362	111.3044	ng/ml	m	100
T AR1016 3 #2	6.224	0.0	635358.492	111.1381	ng/ml	m	100
T AR1016 4 #2	6.377	0.0	447377.098	111.9241	ng/ml		100
T AR1016 5 #2	6.963	0.0	368801.171	111.1584	ng/ml		100
T AR1260 1	7.584	0.0	1056746.370	112.4040	ng/ml		100
T AR1260 2	8.063	0.0	1602421.530	110.0825	ng/ml		100
T AR1260 3	8.627	0.0	1670502.203	109.4964	ng/ml		100
T AR1260 1 #2	9.380	0.0	743024.697	112.8467	ng/ml		100
T AR1260 4	9.435	0.0	912299.698	104.5072	ng/ml		100
T AR1260 2 #2	9.785	0.0	855662.662	110.6075	ng/ml		100
T AR1260 3 #2	10.356	0.0	1050636.905	111.5125	ng/ml		100
T AR1260 5	10.424	0.0	1088067.097	102.0934	ng/ml		100
T AR1260 4 #2	10.868	0.0	694879.153	115.3265	ng/ml		100
T AR1260 5 #2	11.552	0.0	1034147.503	97.4564	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

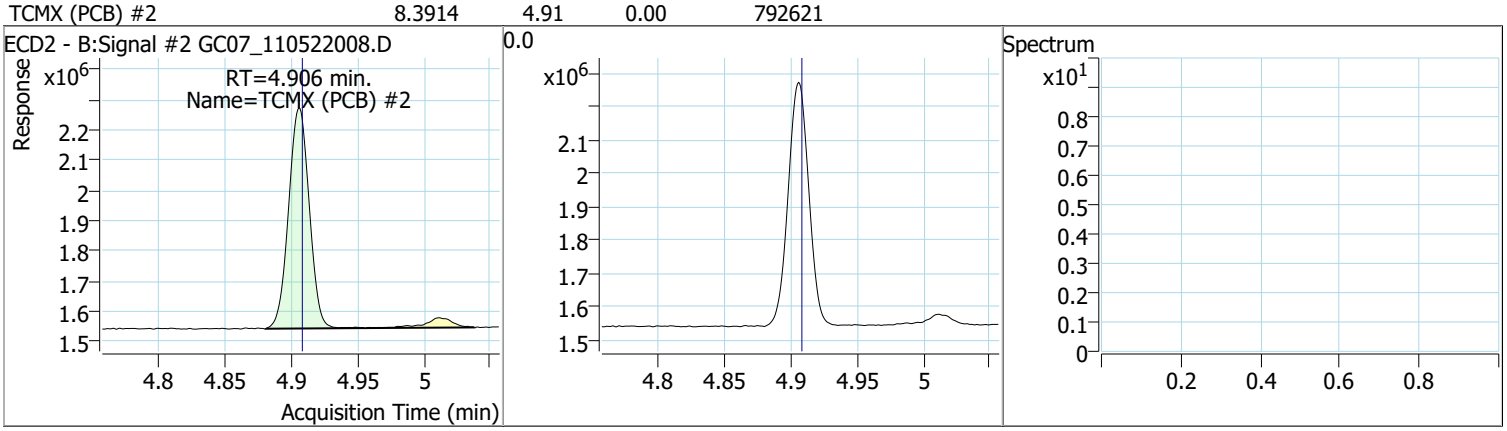
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	8.2926	4.52	0.00	1246018				



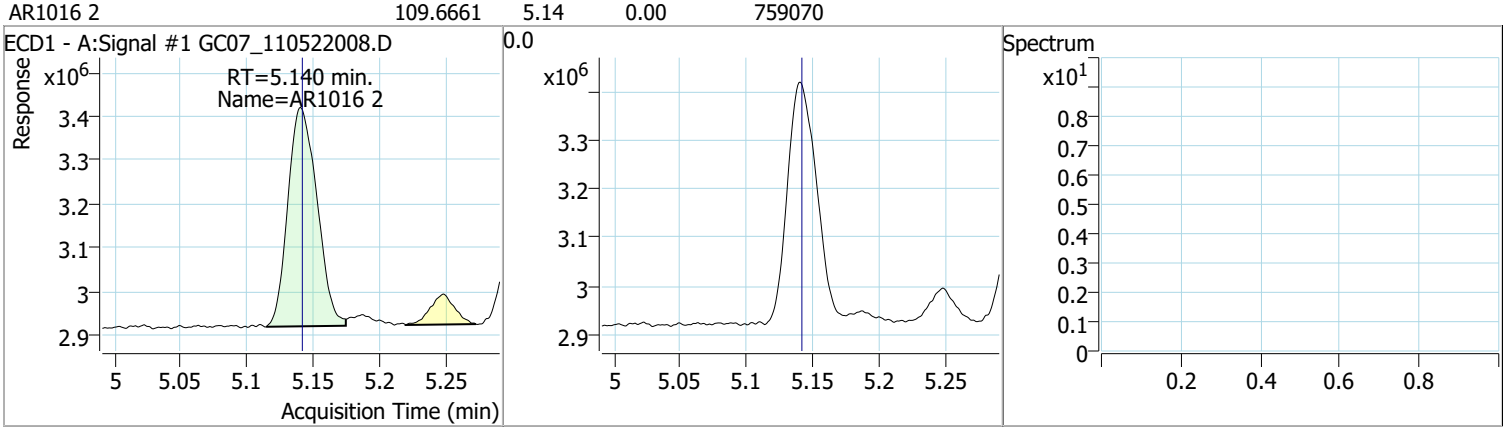
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	109.0494	4.84	0.00	370377				



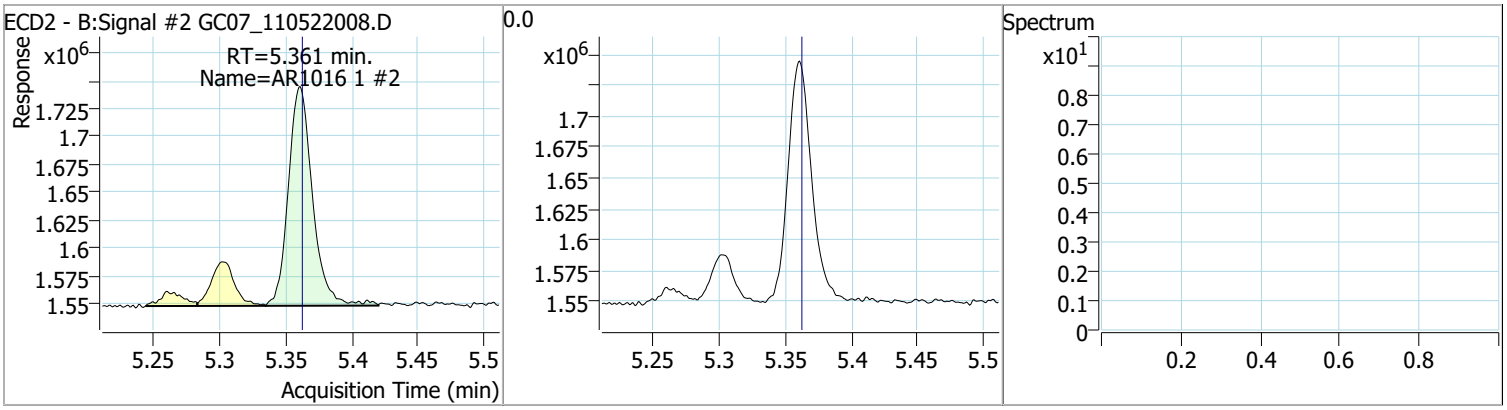
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.3914	4.91	0.00	792621				



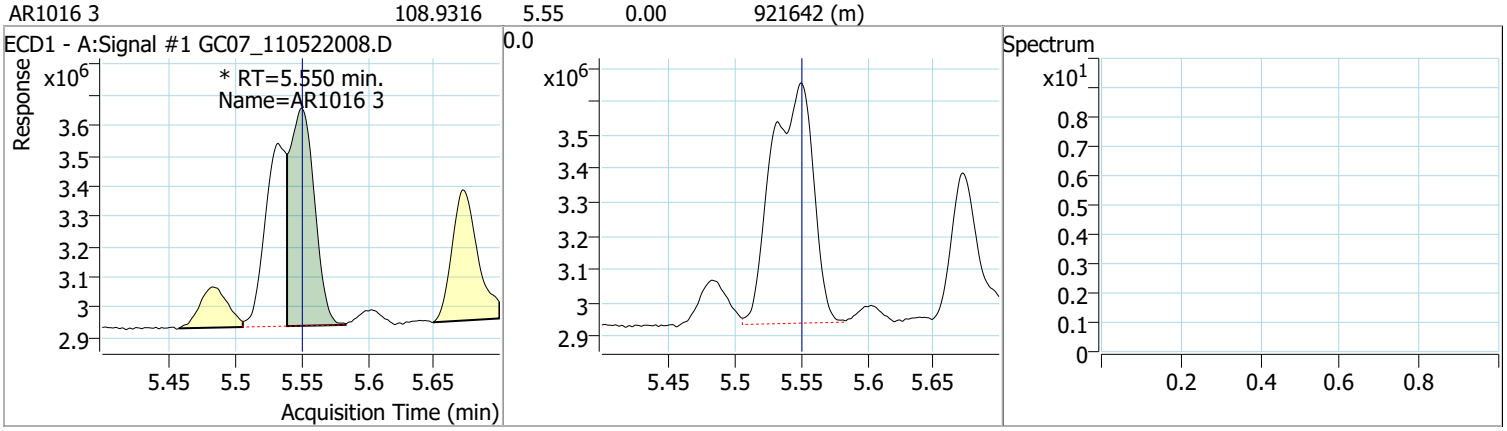
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	109.6661	5.14	0.00	759070				



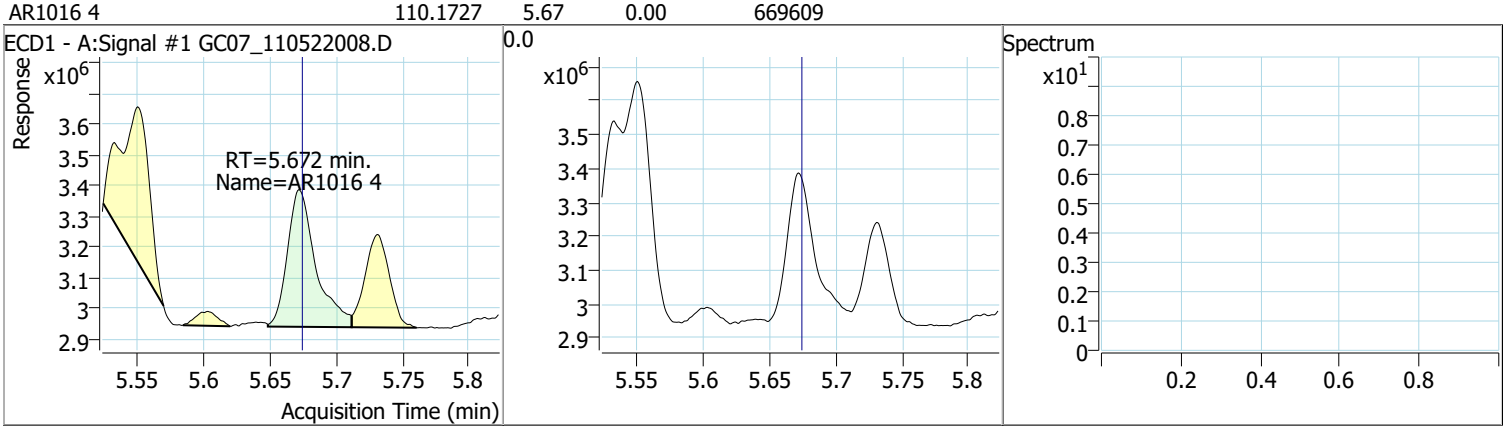
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	84.4677	5.36	0.00	250036				



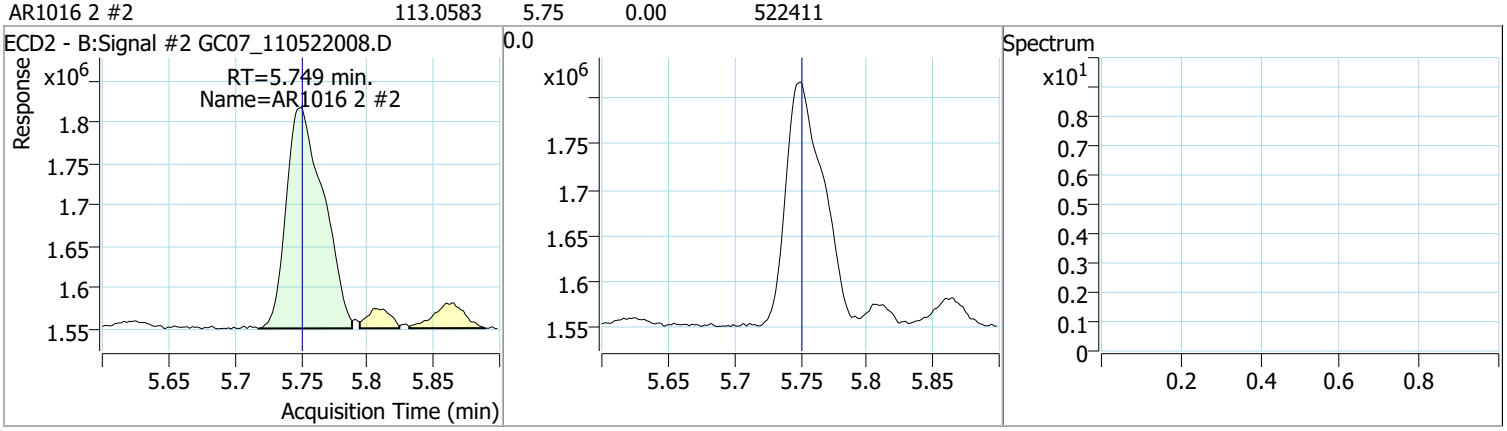
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	108.9316	5.55	0.00	921642 (m)				



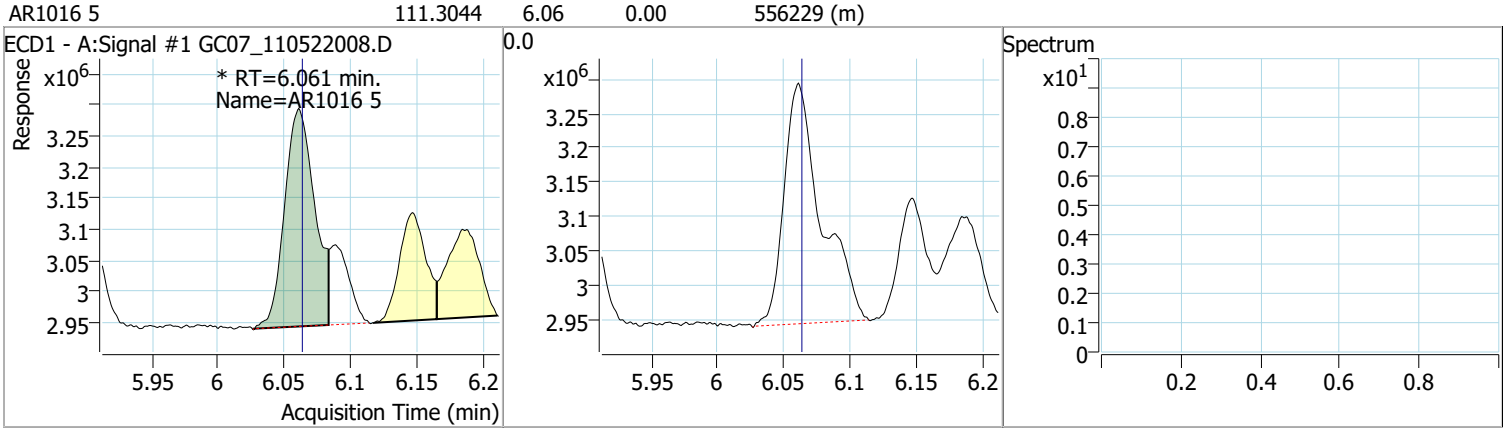
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	110.1727	5.67	0.00	669609				



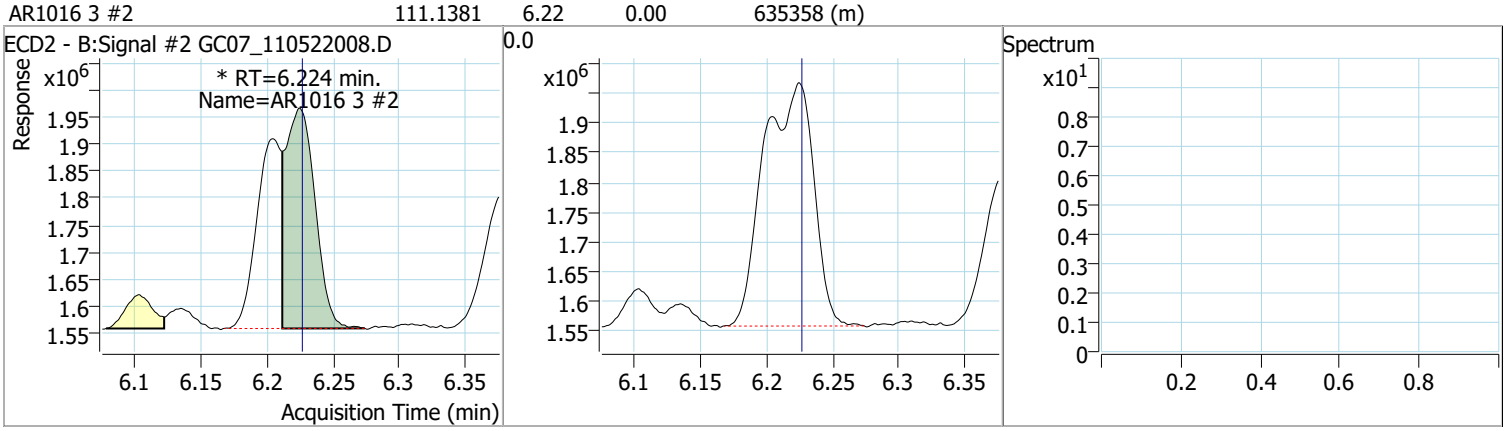
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	113.0583	5.75	0.00	522411				



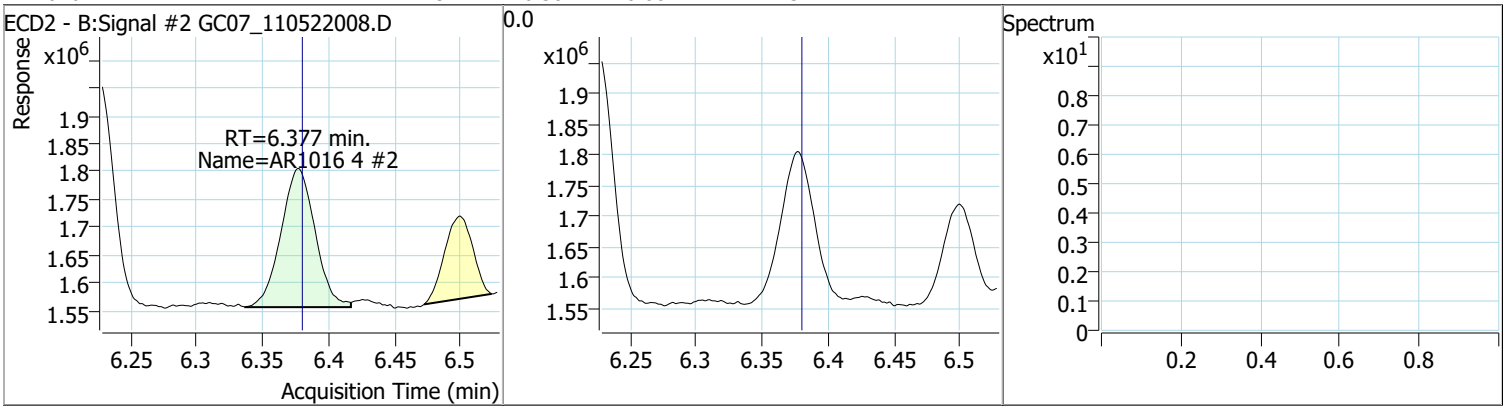
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	111.3044	6.06	0.00	556229 (m)				



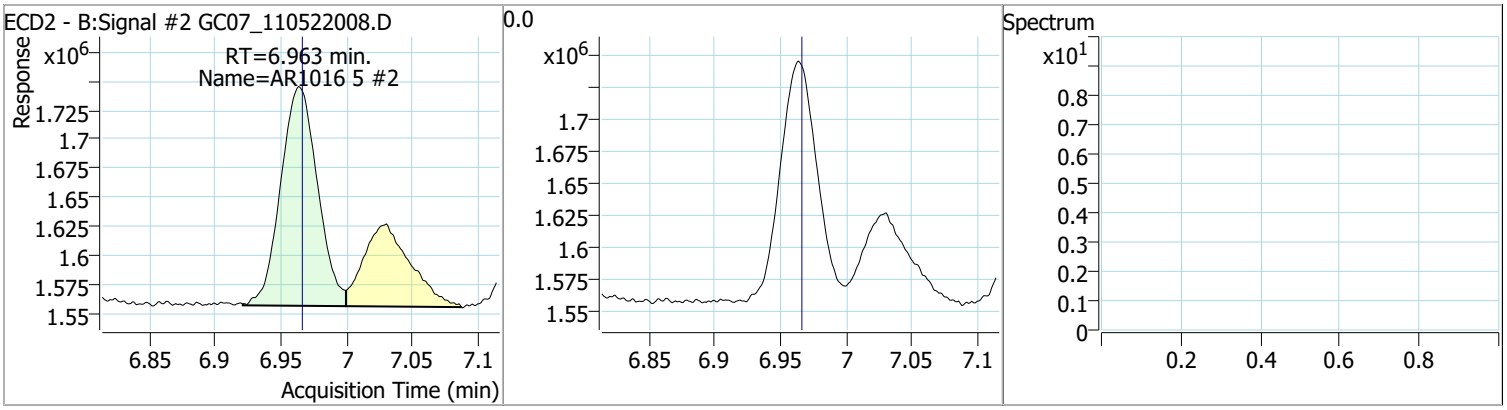
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	111.1381	6.22	0.00	635358 (m)				



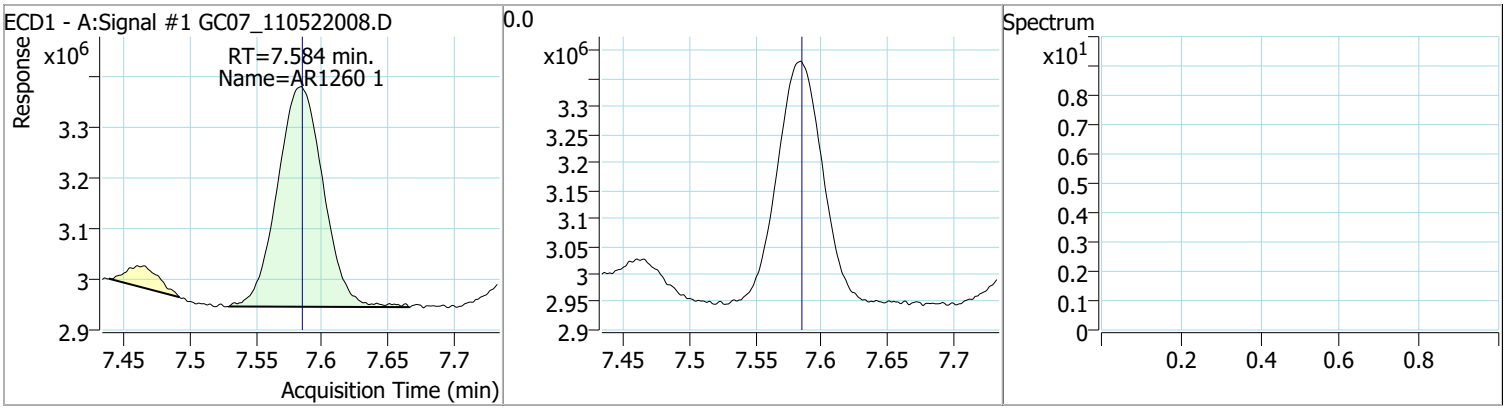
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	111.9241	6.38	0.00	447377				



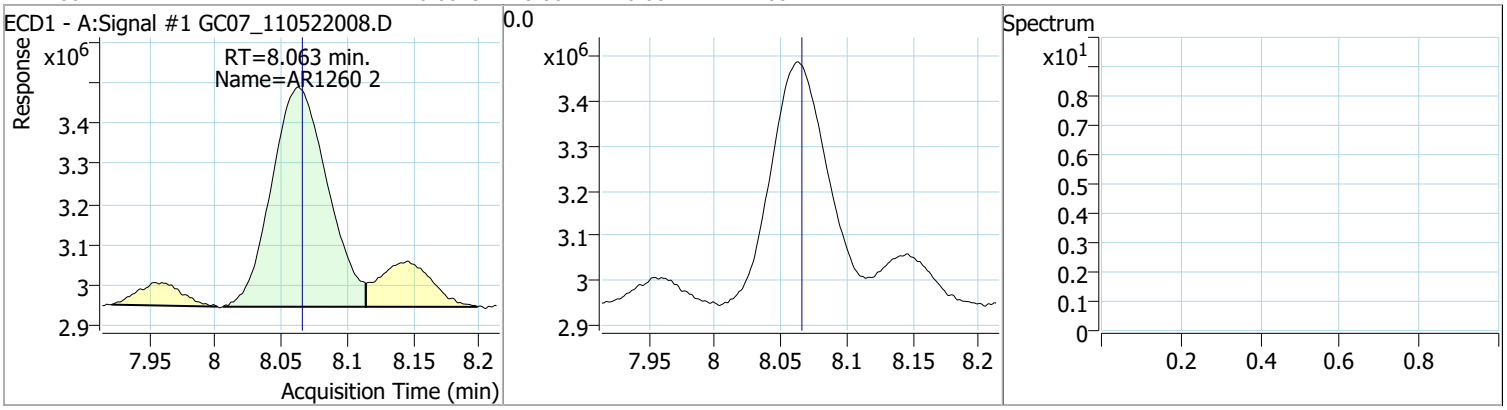
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	111.1584	6.96	0.00	368801				



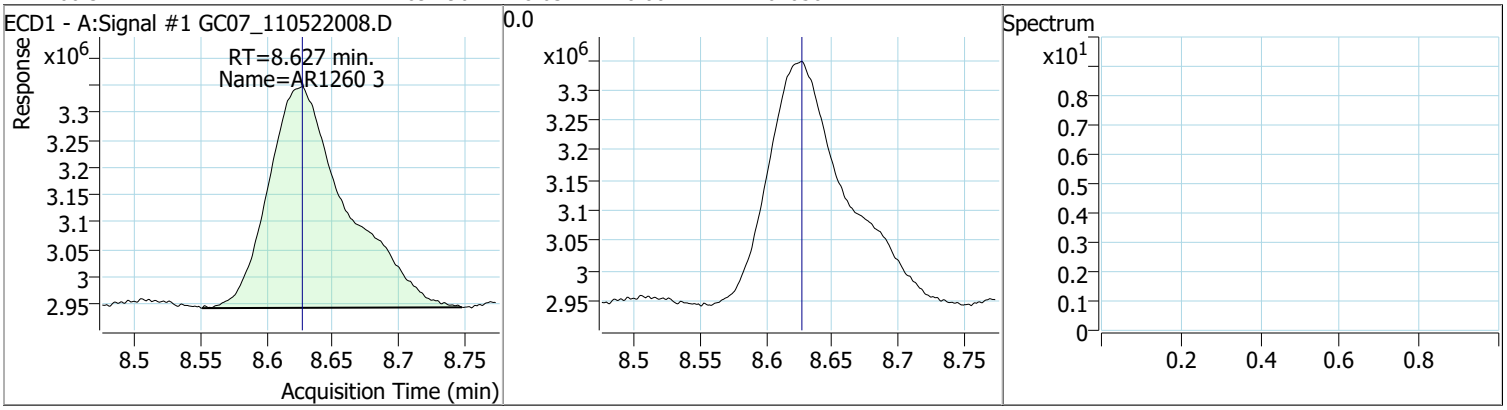
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	112.4040	7.58	0.00	1056746				



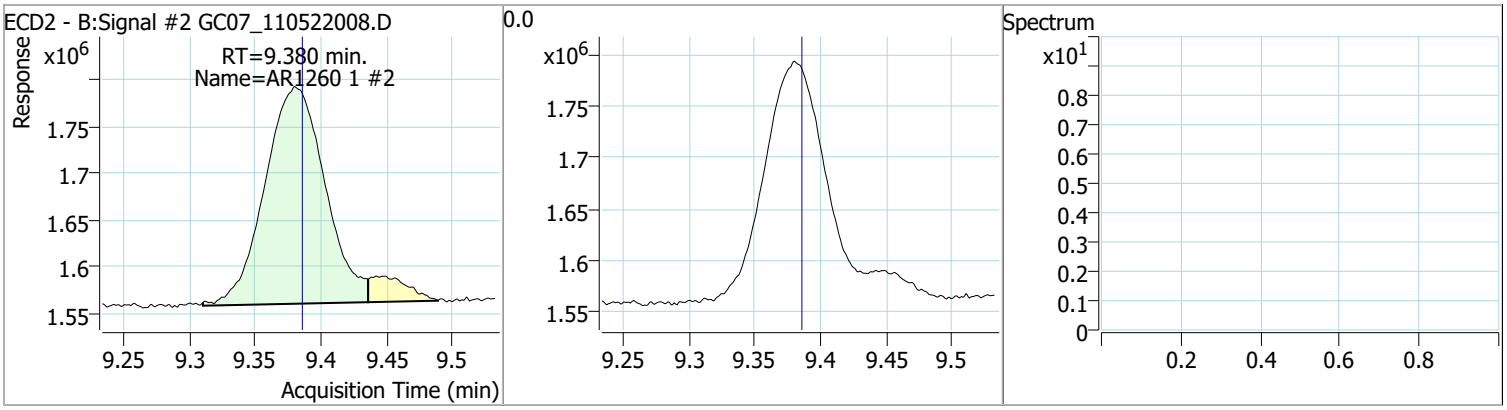
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	110.0825	8.06	0.00	1602422				



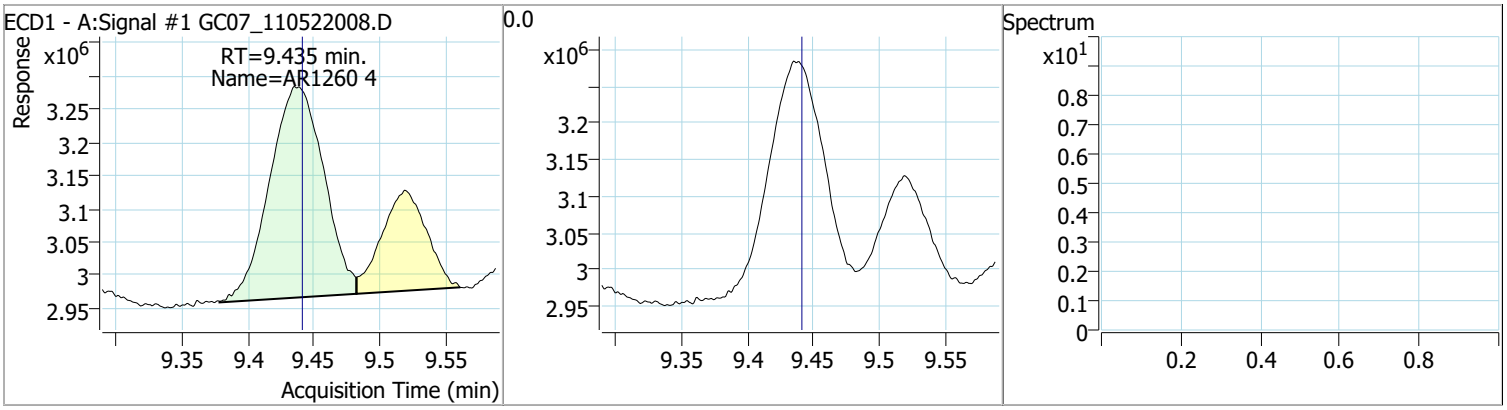
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	109.4964	8.63	0.00	1670502				



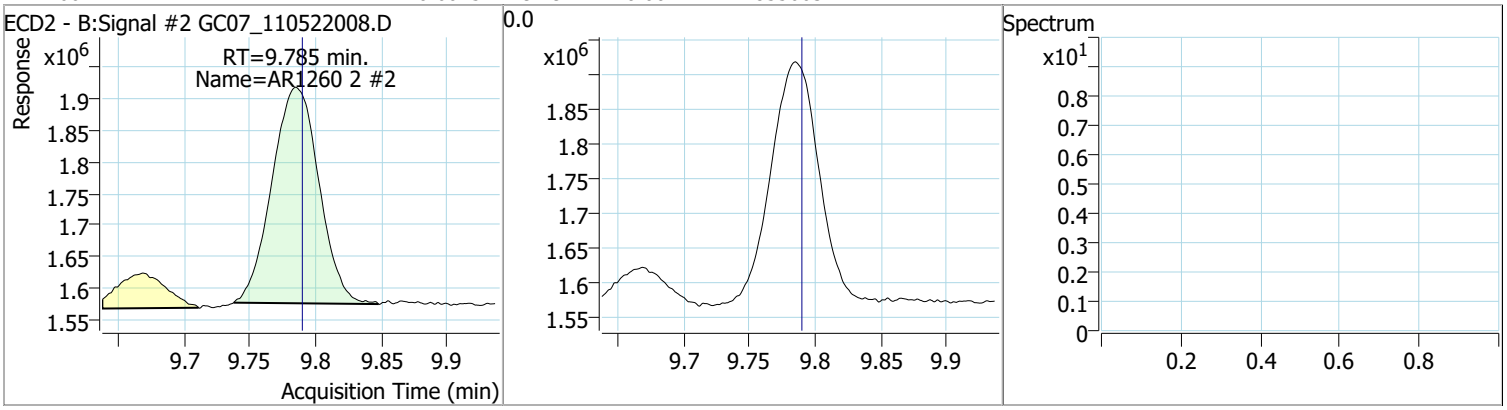
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	112.8467	9.38	0.00	743025				



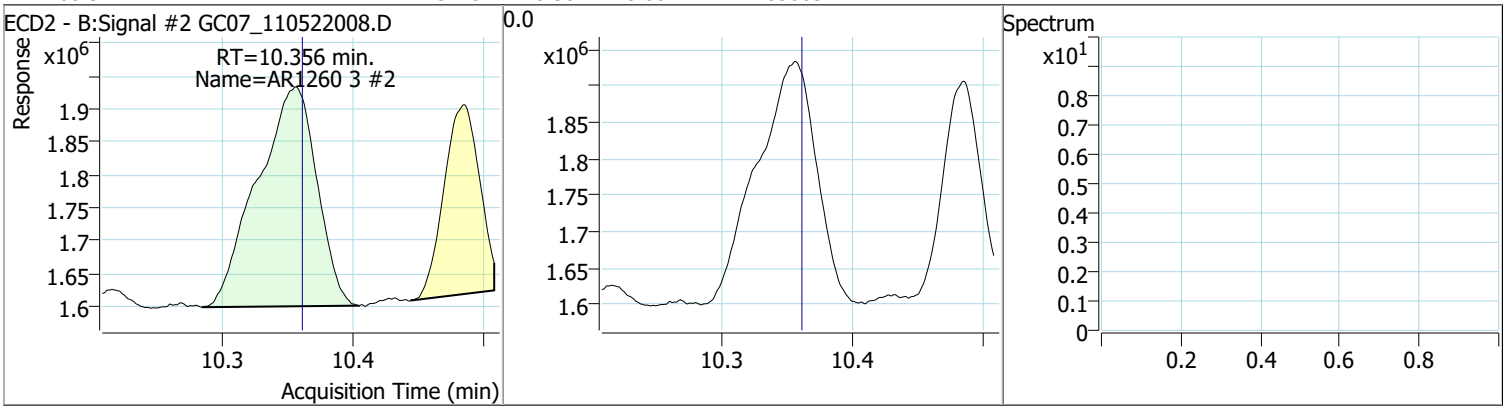
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	104.5072	9.44	0.00	912300				



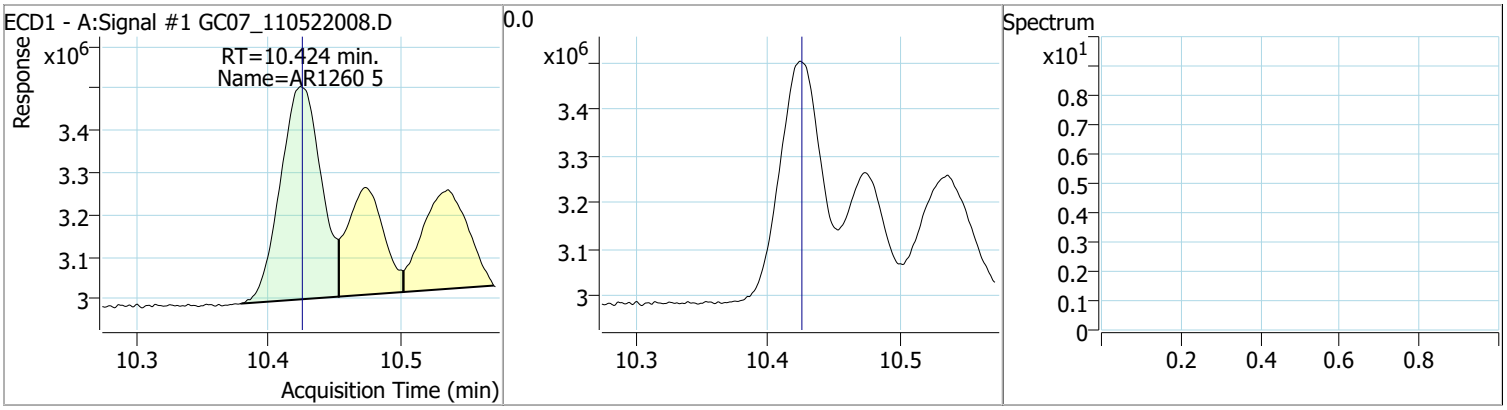
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	110.6075	9.79	0.00	855663				



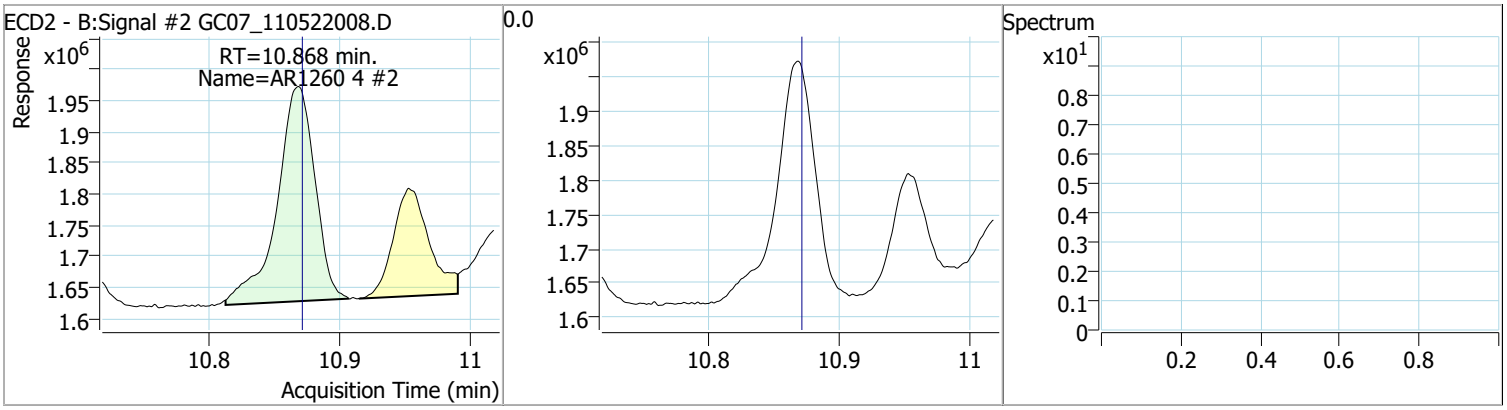
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	111.5125	10.36	0.00	1050637				



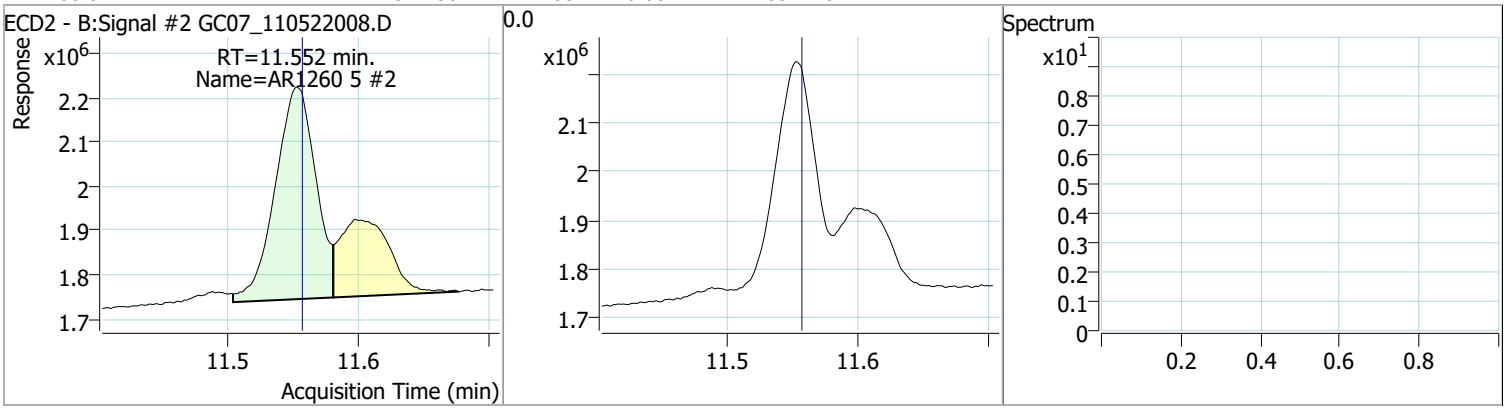
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	102.0934	10.42	0.00	1088067				



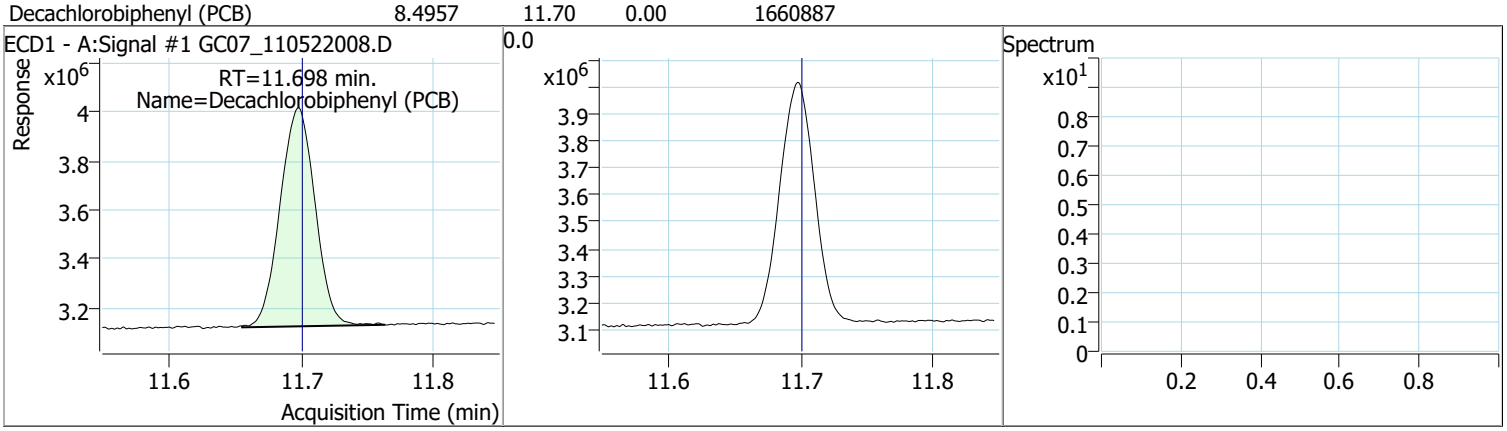
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	115.3265	10.87	0.00	694879				



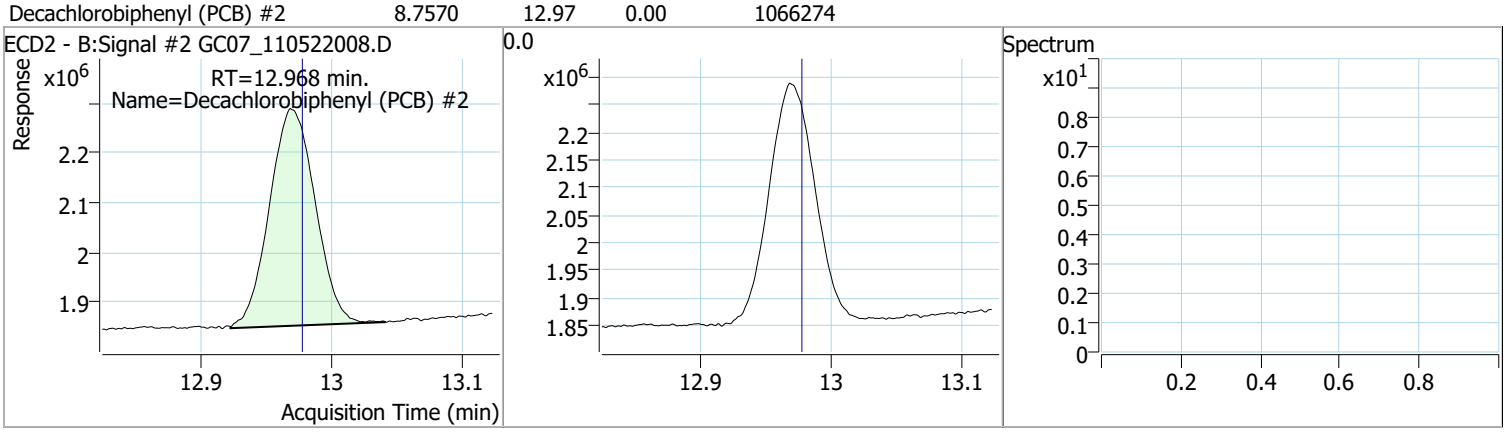
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	97.4564	11.55	0.00	1034148				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.4957	11.70	0.00	1660887				

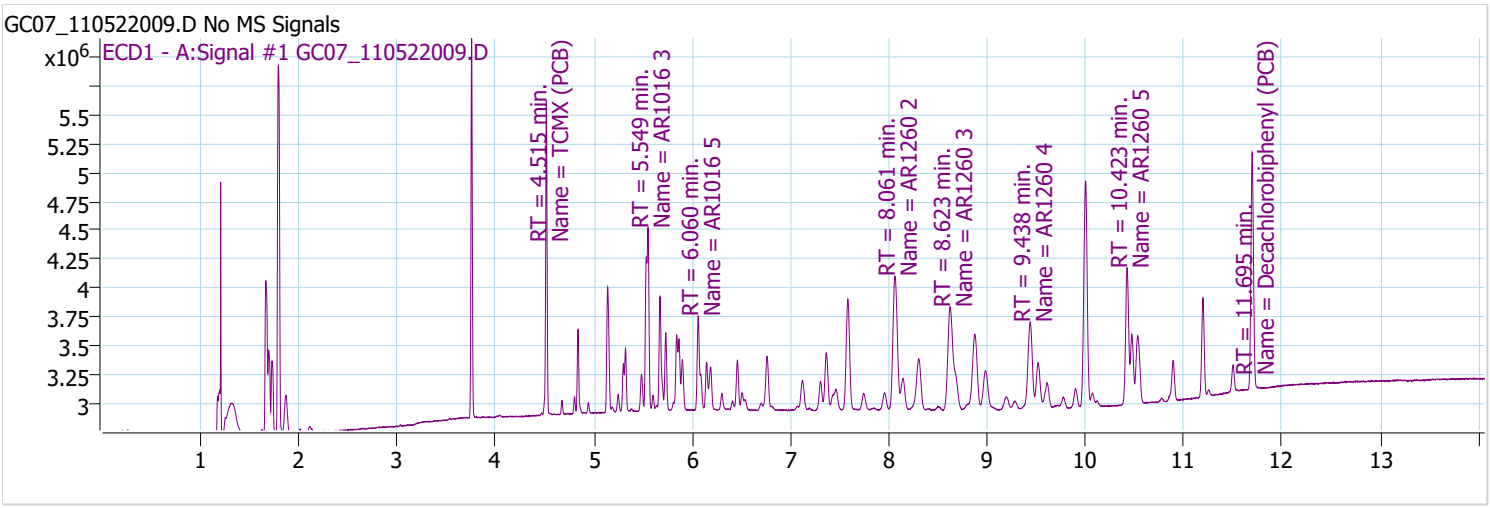


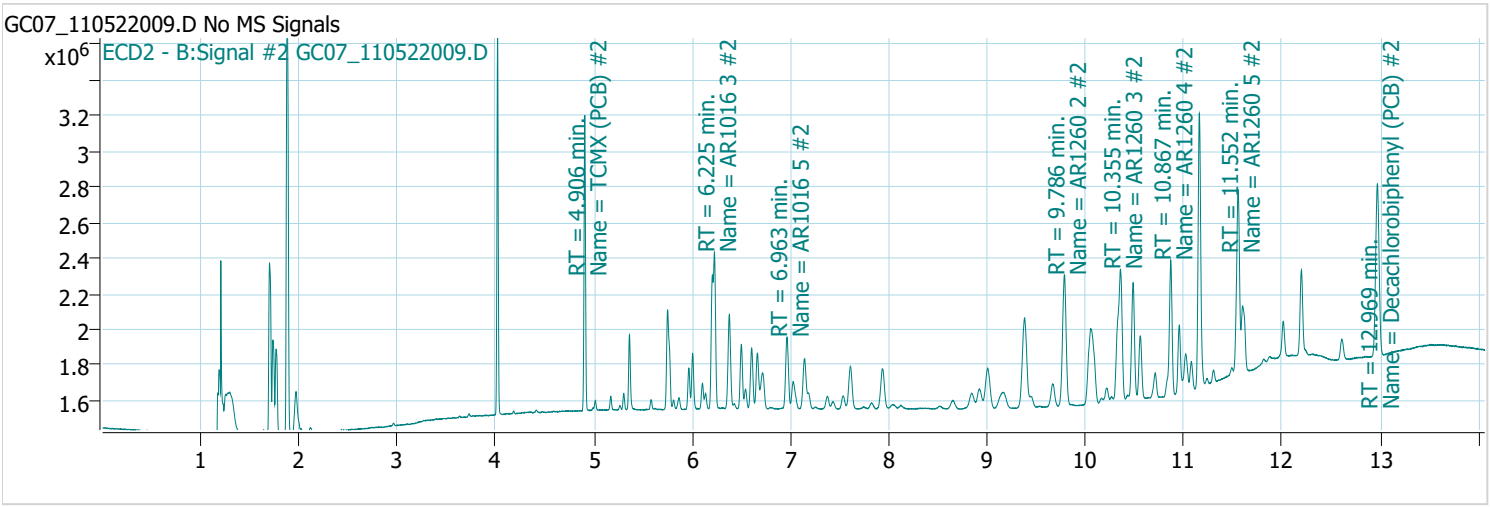
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	8.7570	12.97	0.00	1066274				



Quantitation Results Report (Not Reviewed)

Data File	GC07_110522009.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/5/2022 6:07:06 PM
Sample Name	ICAL, S17266	Instrument	SVOA-GC07
Vial	44	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	110522PCBICAL.batch.bin	Last Calib Update	11/6/2022 3:52:48 PM
Ref Library			



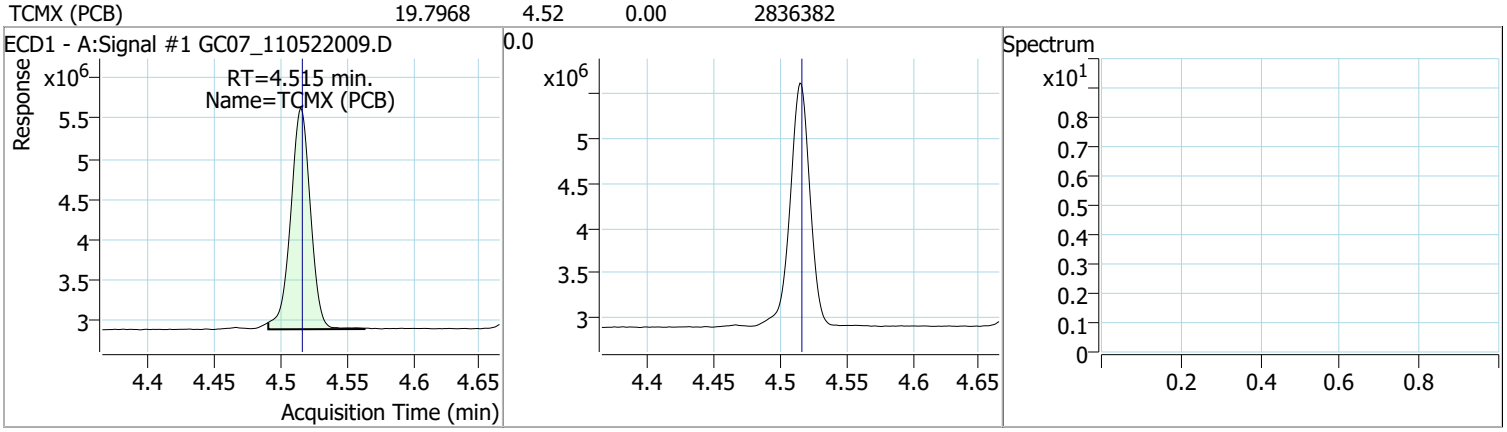


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.755	0.0	3104689.325	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.019	0.0	1945131.027	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	4.515	0.0	2836382.017	19.7968	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.98%		
S TCMX (PCB) #2	4.906	0.0	1746605.902	19.3866	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 96.93%		
S Decachlorobiphenyl (PCB)	11.695	0.0	3730540.706	20.0120	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.06%		
S Decachlorobiphenyl (PCB) #2	12.969	0.0	2339662.116	20.1456	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.73%		
Target Compounds						QValue

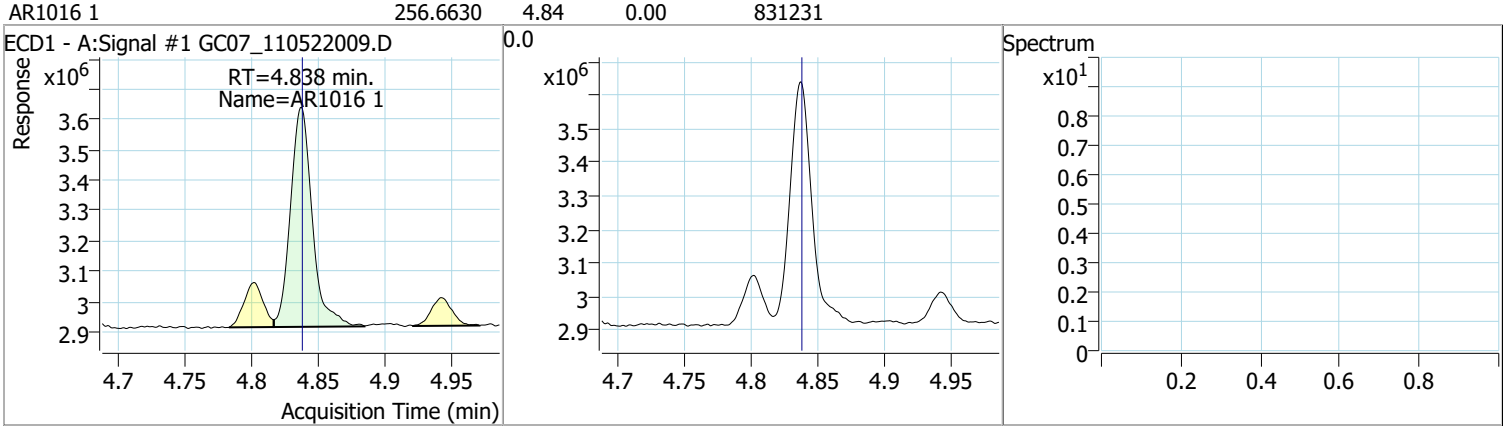
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.838	0.0	831231.288	256.6630	ng/ml		100
T AR1016 2	5.139	0.0	1660398.298	251.5734	ng/ml		100
T AR1016 1 #2	5.361	0.0	539934.794	258.1135	ng/ml		100
T AR1016 3	5.549	0.0	2070014.765	256.5825	ng/ml	m	100
T AR1016 4	5.671	0.0	1509268.533	260.4241	ng/ml		100
T AR1016 2 #2	5.748	0.0	1132581.641	256.9793	ng/ml		100
T AR1016 5	6.060	0.0	1234410.090	259.0475	ng/ml	m	100
T AR1016 3 #2	6.225	0.0	1382387.541	253.5203	ng/ml	m	100
T AR1016 4 #2	6.377	0.0	968860.215	254.1263	ng/ml		100
T AR1016 5 #2	6.963	0.0	805524.304	254.5467	ng/ml		100
T AR1260 1	7.583	0.0	2339542.190	260.9778	ng/ml		100
T AR1260 2	8.061	0.0	3559656.410	256.4550	ng/ml		100
T AR1260 3	8.623	0.0	3803872.187	261.4811	ng/ml		100
T AR1260 1 #2	9.380	0.0	1616890.600	257.4572	ng/ml	m	100
T AR1260 4	9.438	0.0	2177332.795	261.5745	ng/ml		100
T AR1260 2 #2	9.786	0.0	1910626.601	258.9385	ng/ml		100
T AR1260 3 #2	10.355	0.0	2289531.855	254.7748	ng/ml		100
T AR1260 5	10.423	0.0	2486593.150	244.6857	ng/ml		100
T AR1260 4 #2	10.867	0.0	1402692.732	244.0739	ng/ml		100
T AR1260 5 #2	11.552	0.0	2201738.824	259.3068	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

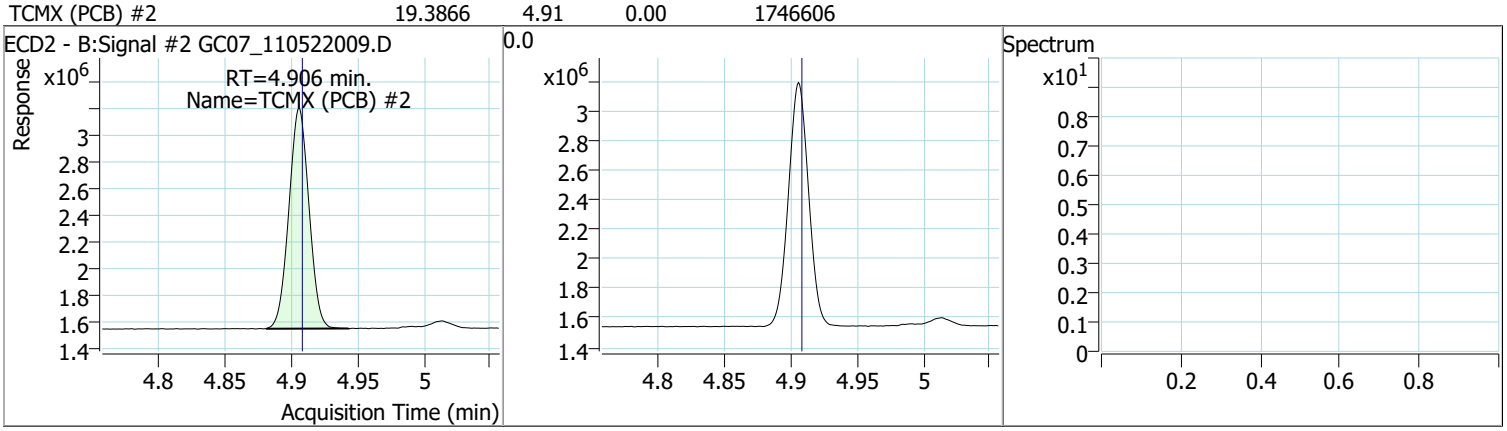
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.7968	4.52	0.00	2836382				



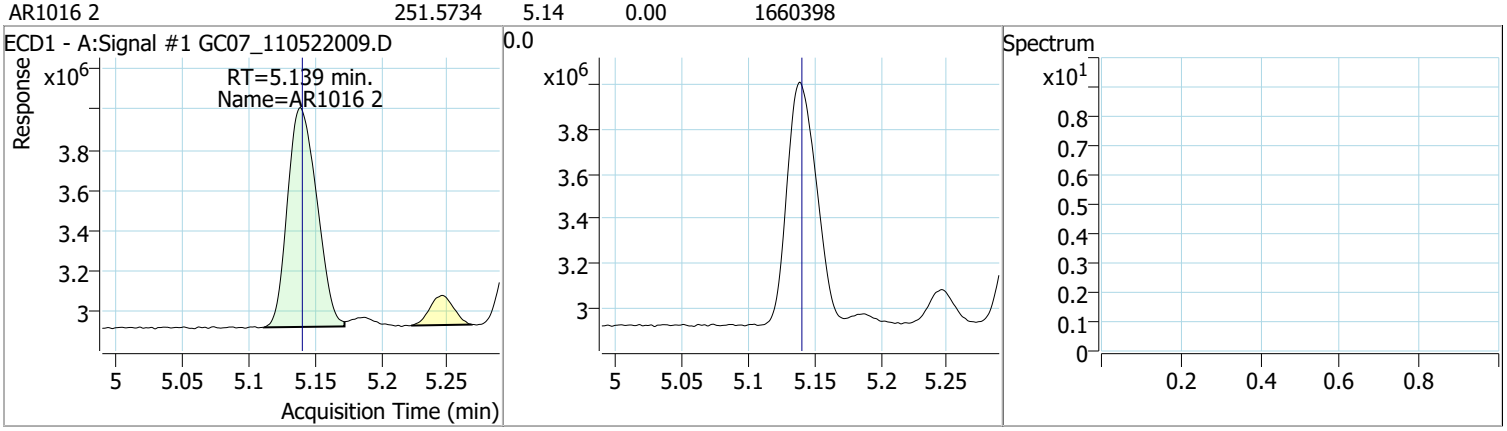
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	256.6630	4.84	0.00	831231				



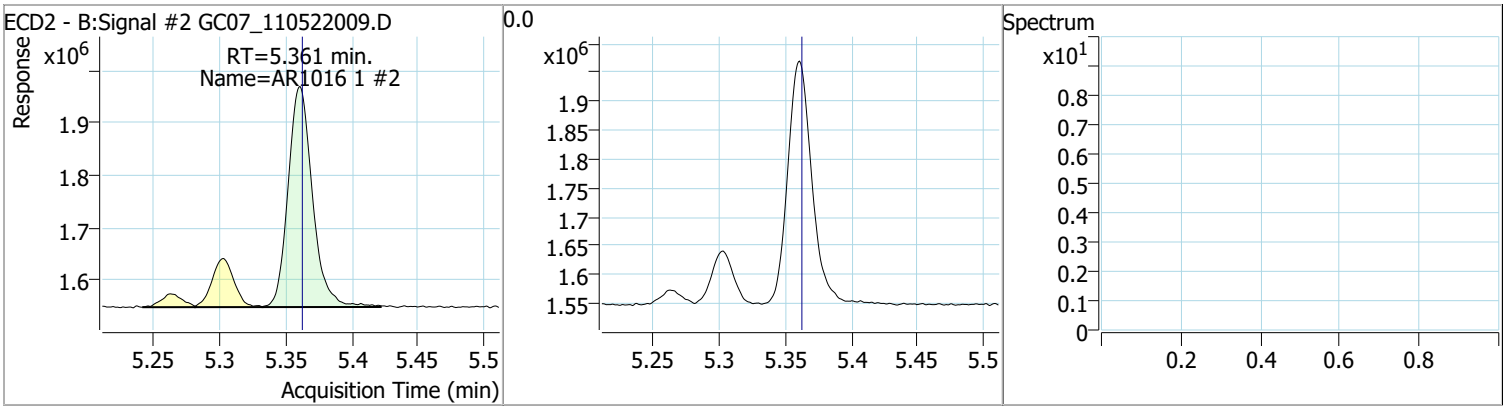
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.3866	4.91	0.00	1746606				



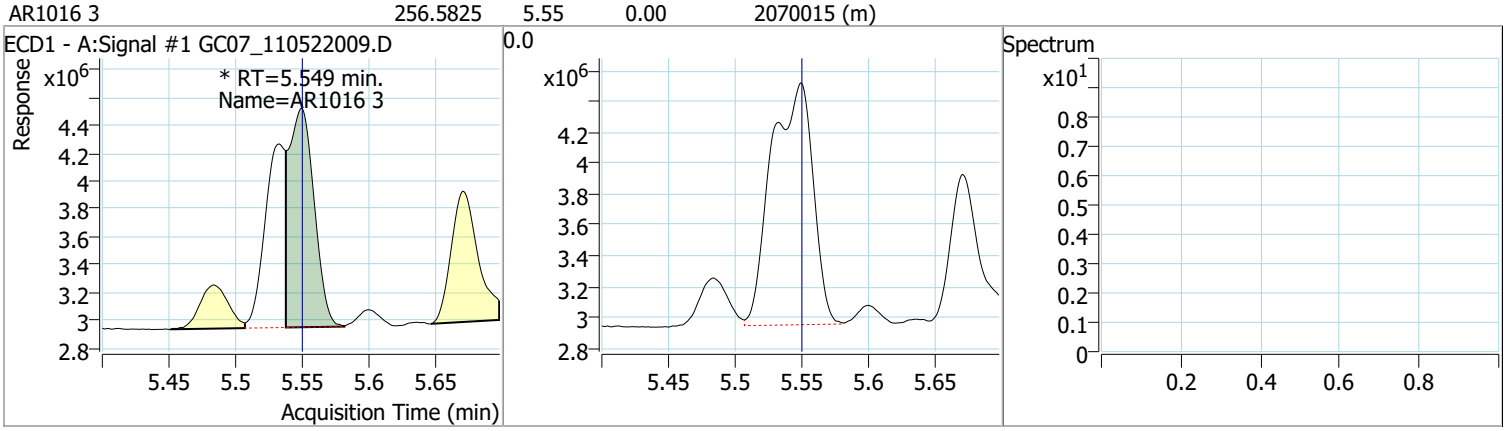
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	251.5734	5.14	0.00	1660398				



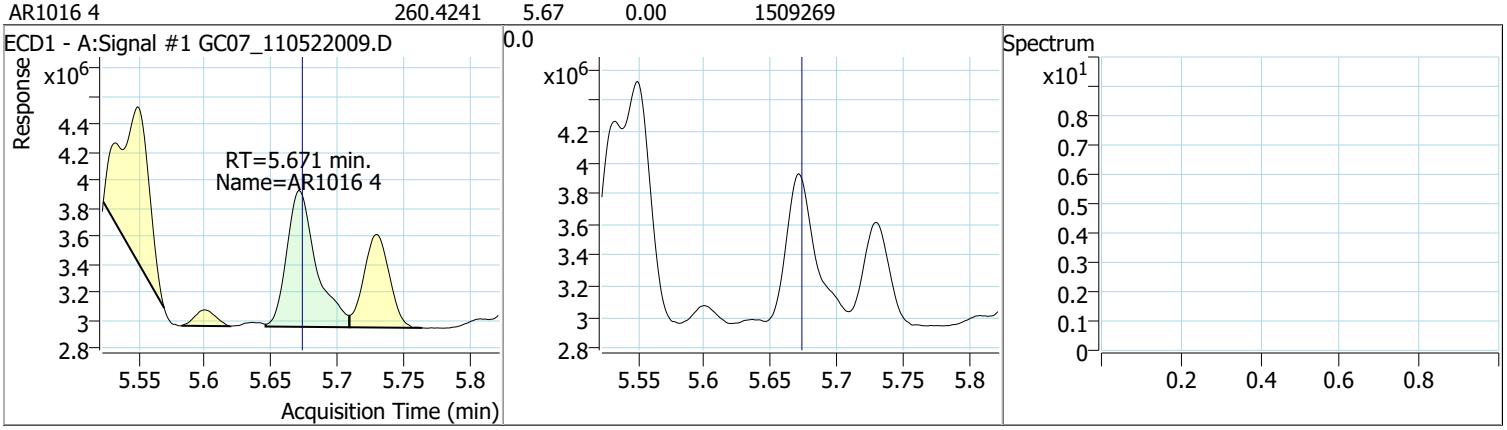
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	258.1135	5.36	0.00	539935				



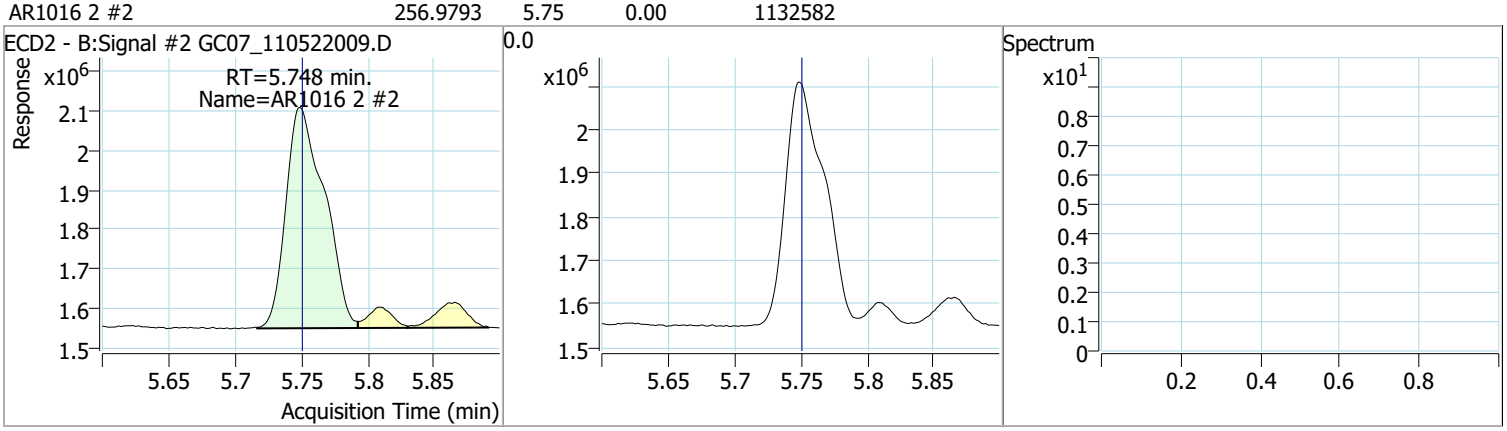
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	256.5825	5.55	0.00	2070015 (m)				



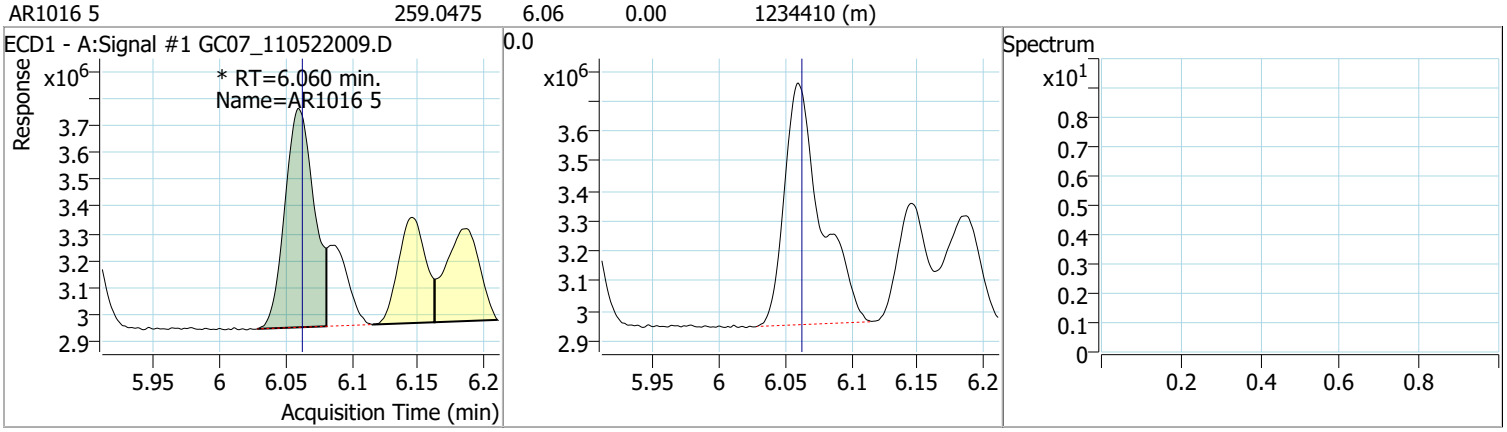
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	260.4241	5.67	0.00	1509269				



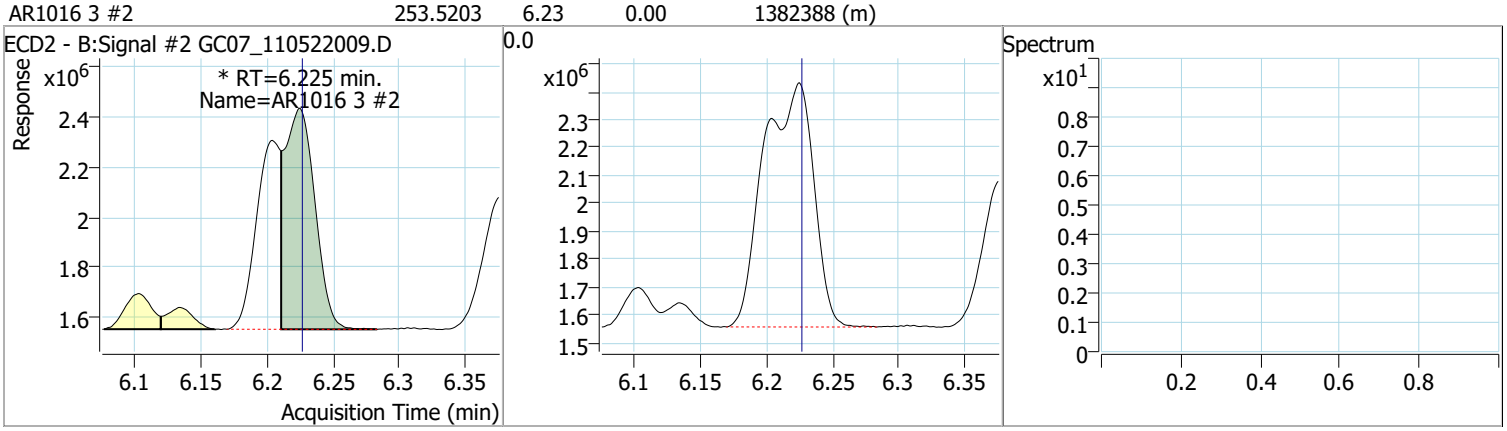
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	256.9793	5.75	0.00	1132582				



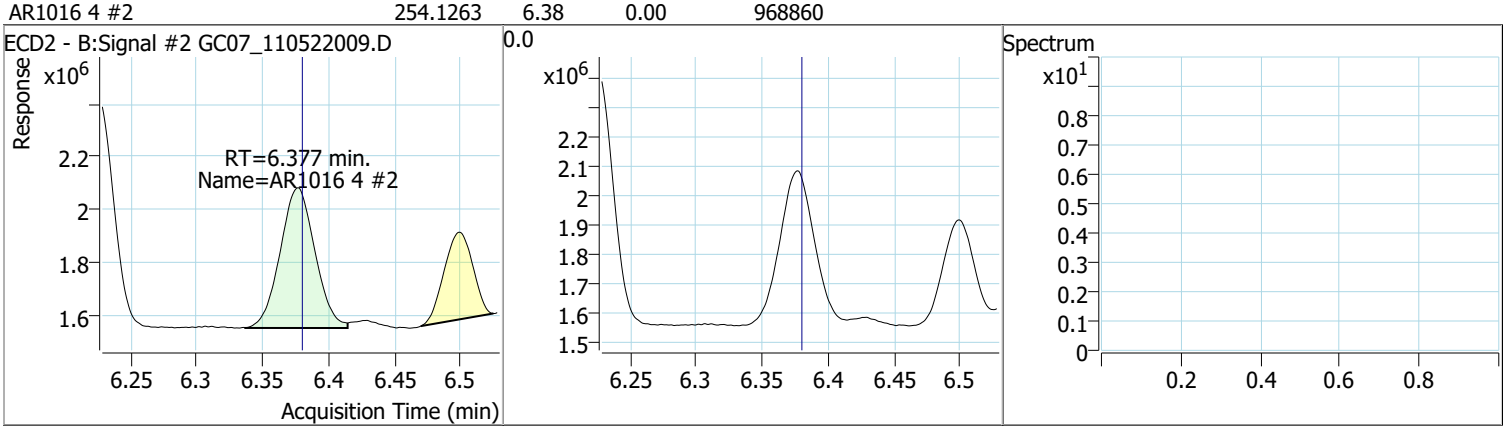
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	259.0475	6.06	0.00	1234410 (m)				



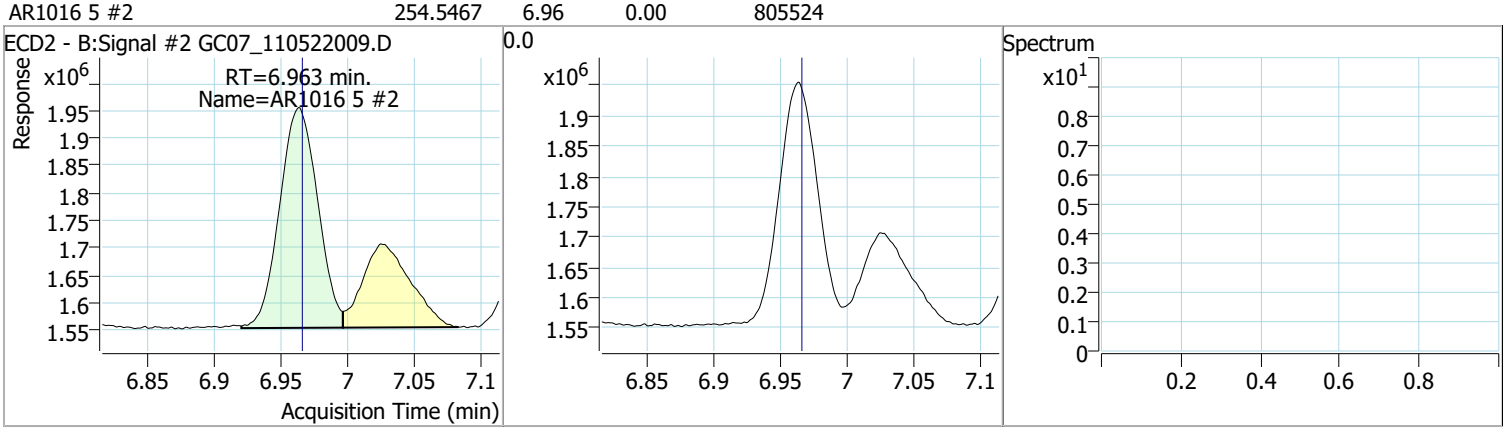
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AR1016 3 #2	253.5203	6.23	0.00	1382388 (m)				



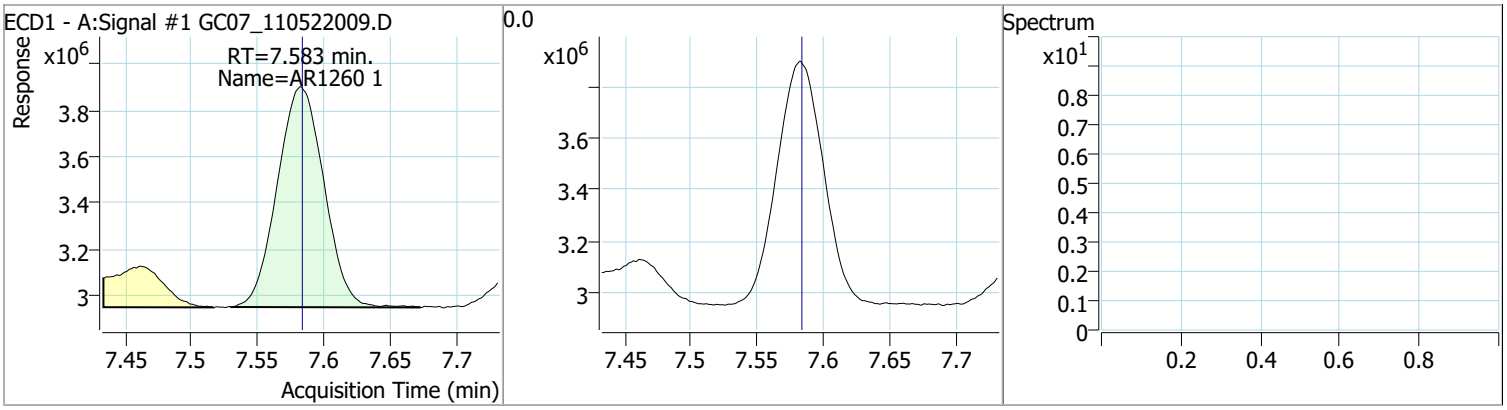
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	254.1263	6.38	0.00	968860				



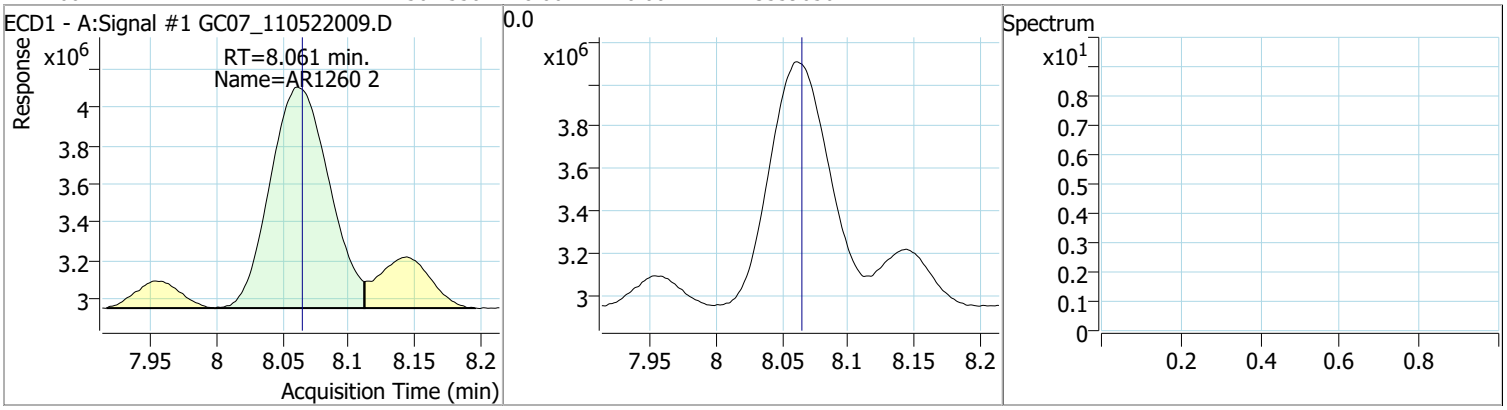
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	254.5467	6.96	0.00	805524				



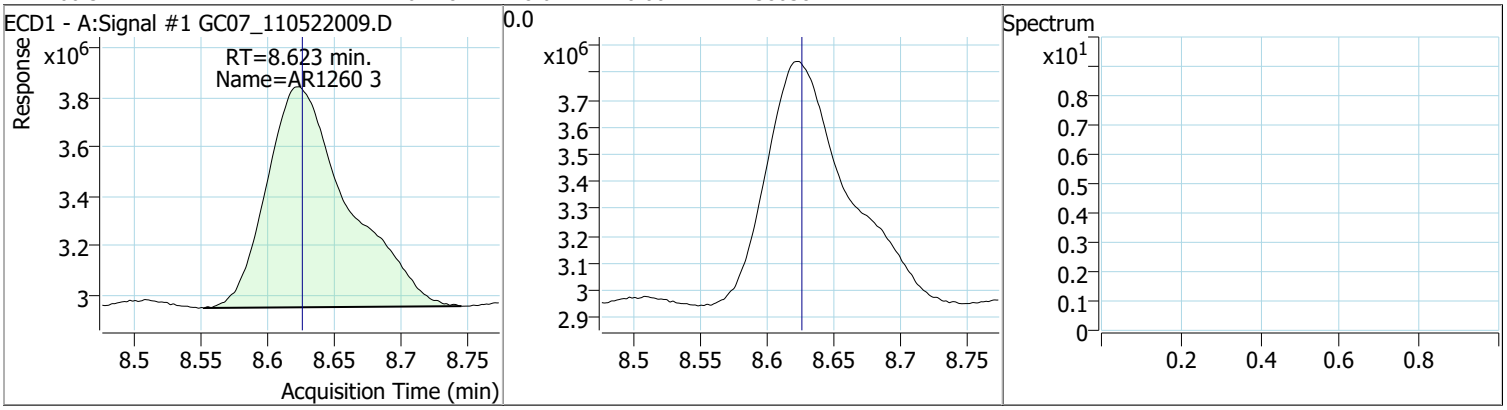
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	260.9778	7.58	0.00	2339542				



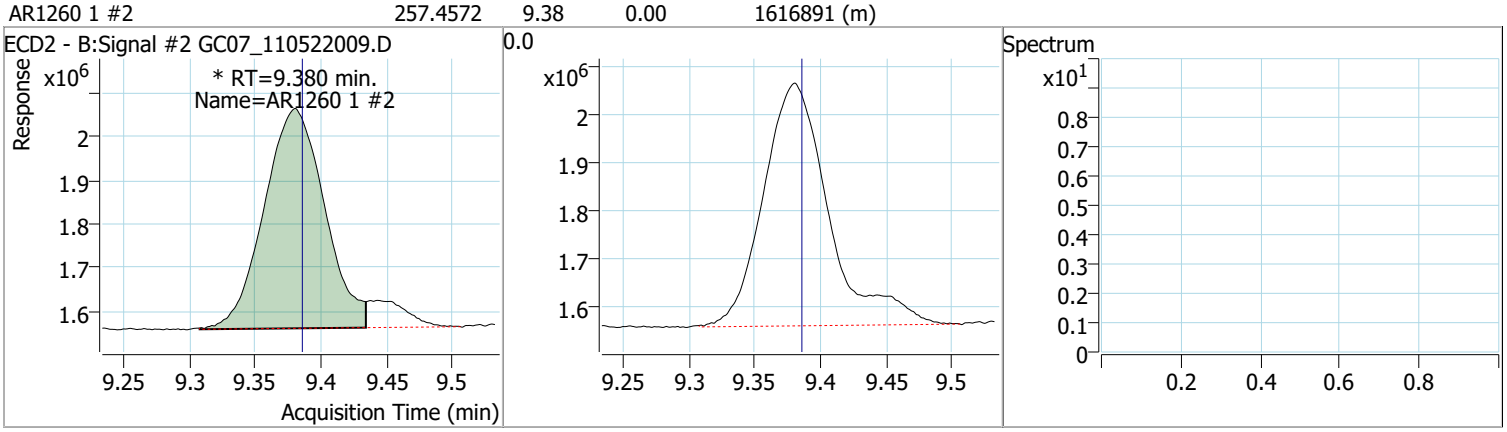
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	256.4550	8.06	0.00	3559656				



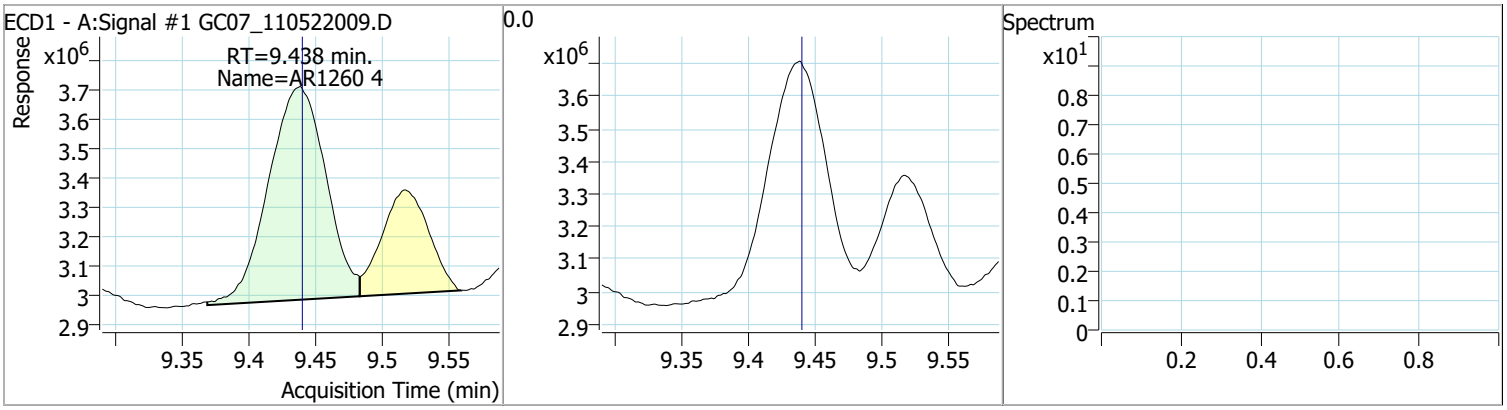
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	261.4811	8.62	0.00	3803872				



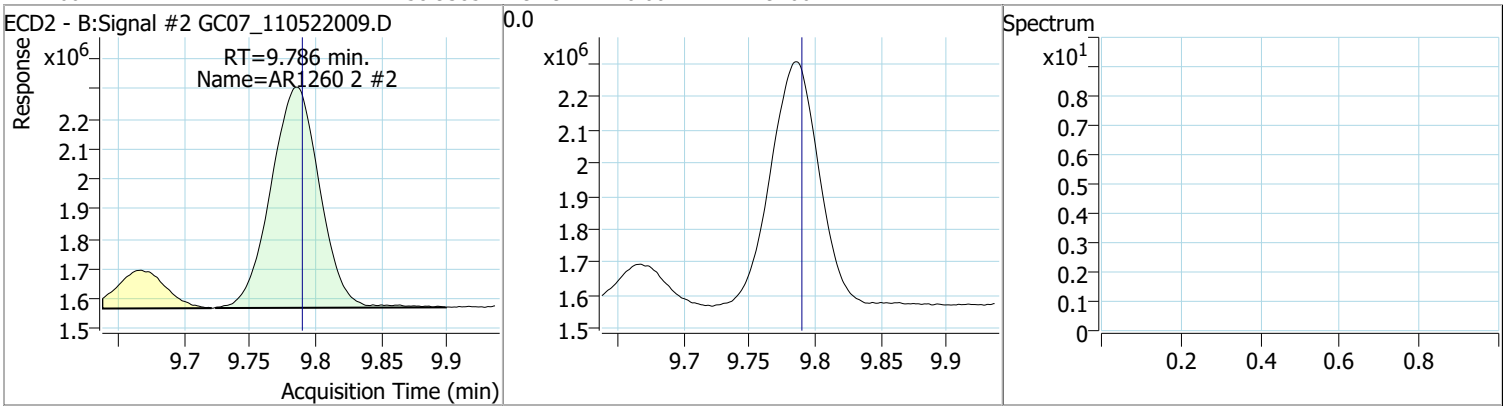
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	257.4572	9.38	0.00	1616891 (m)				



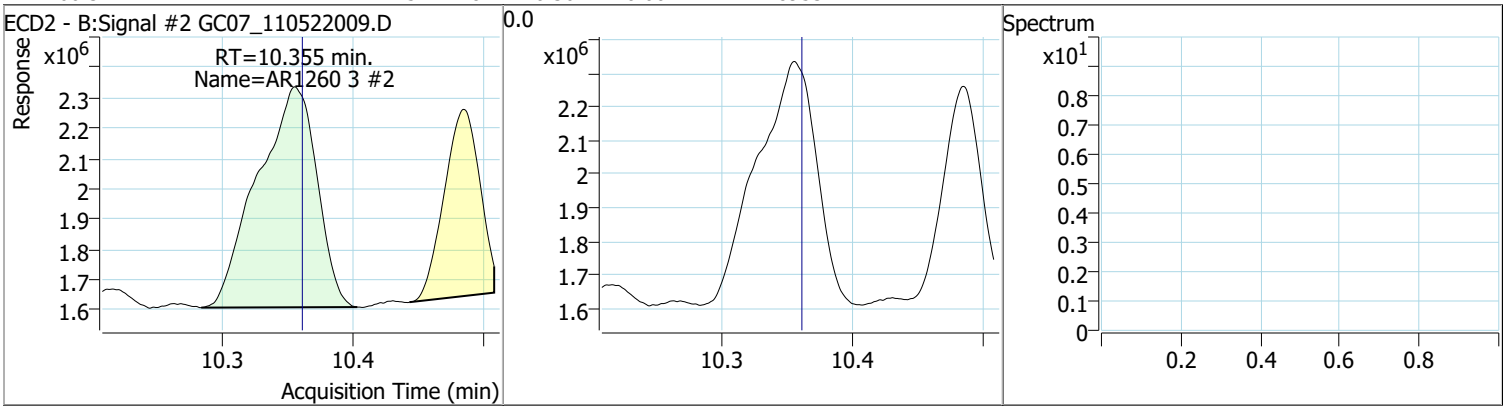
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	261.5745	9.44	0.00	2177333				



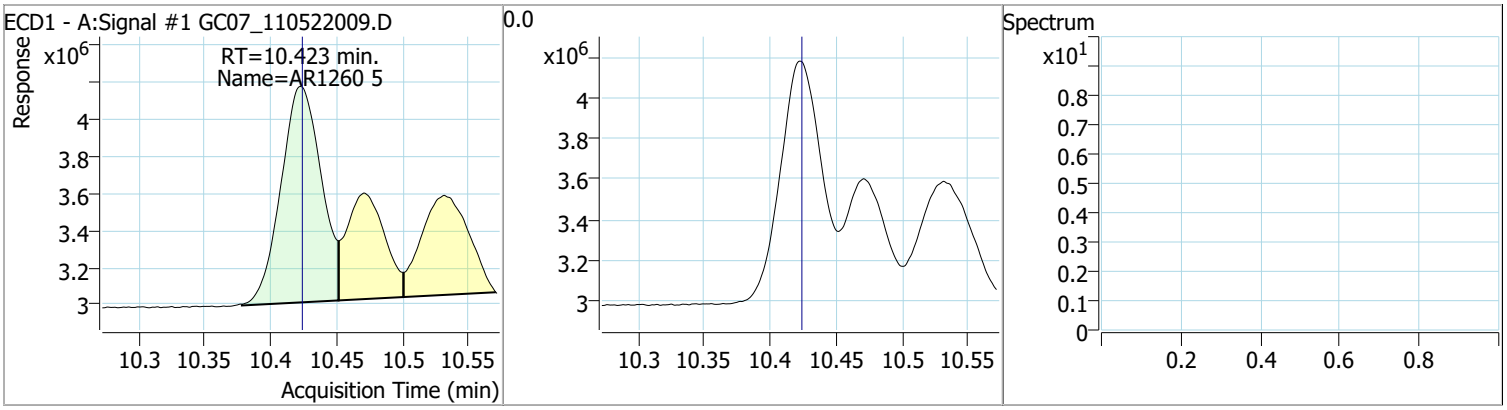
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	258.9385	9.79	0.00	1910627				



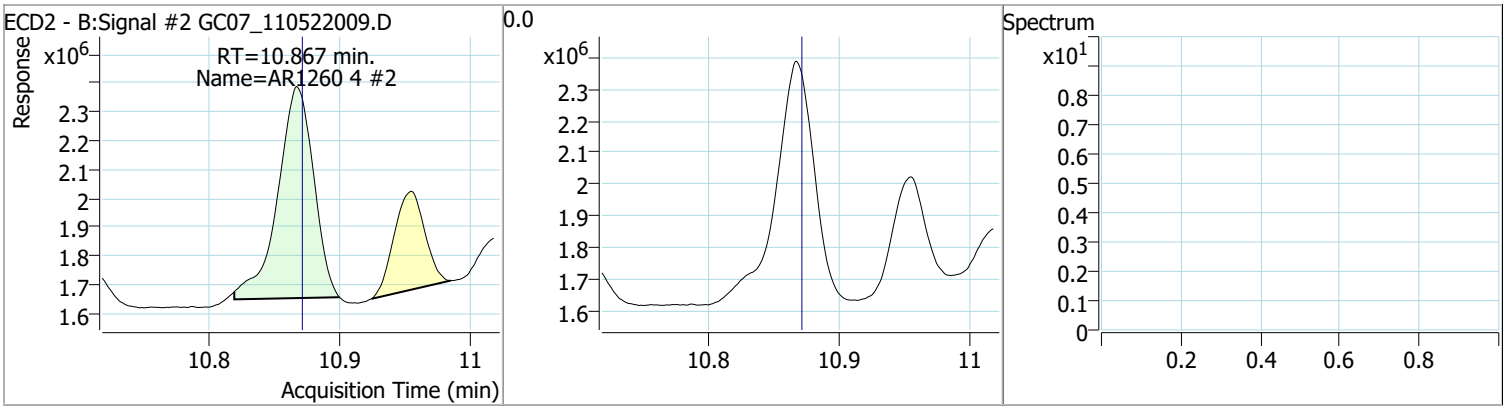
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	254.7748	10.36	0.00	2289532				



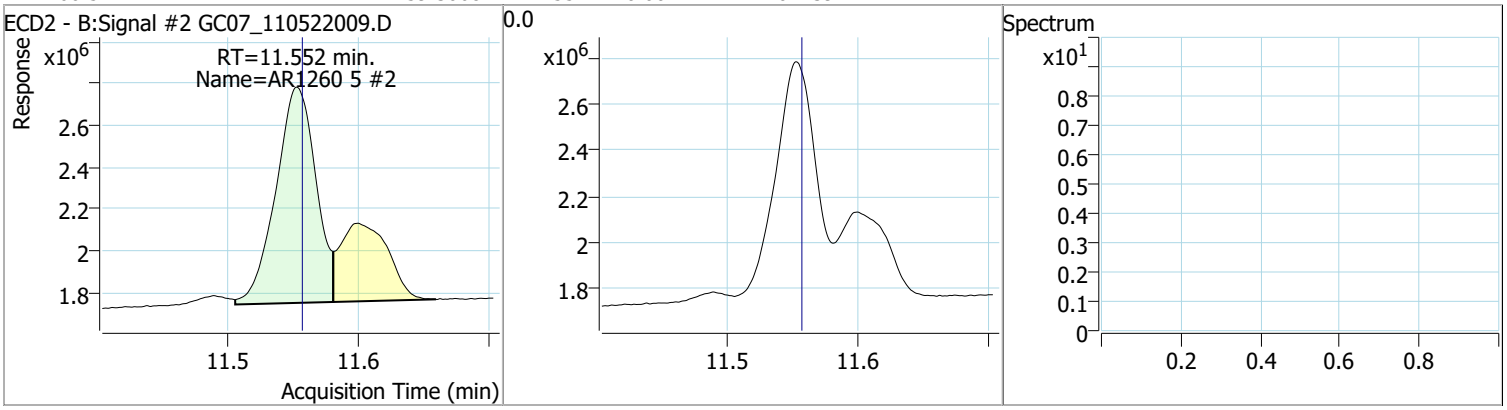
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	244.6857	10.42	0.00	2486593				



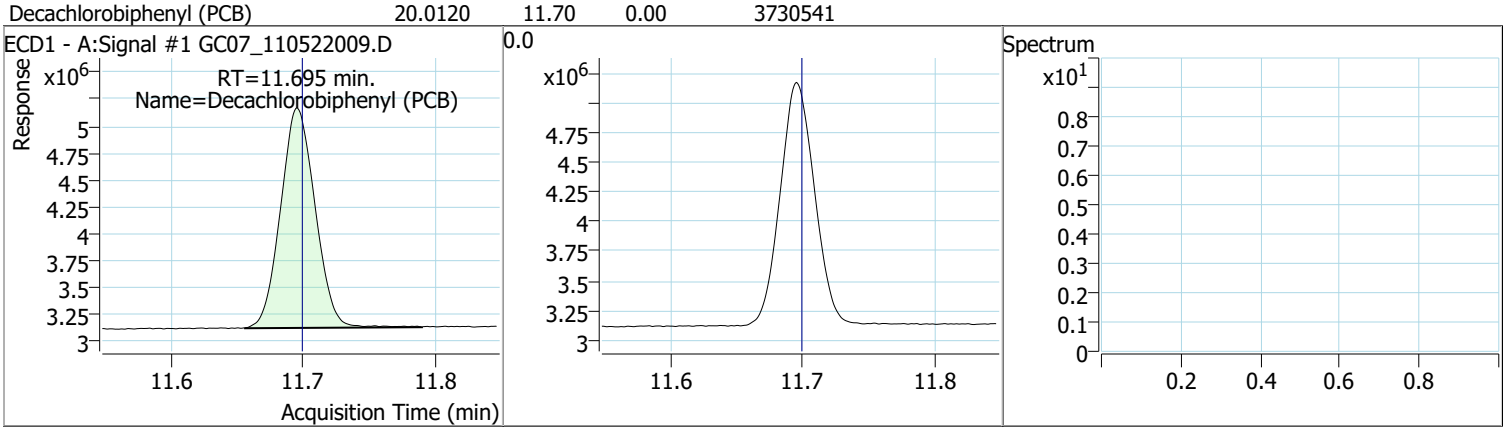
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	244.0739	10.87	0.00	1402693				



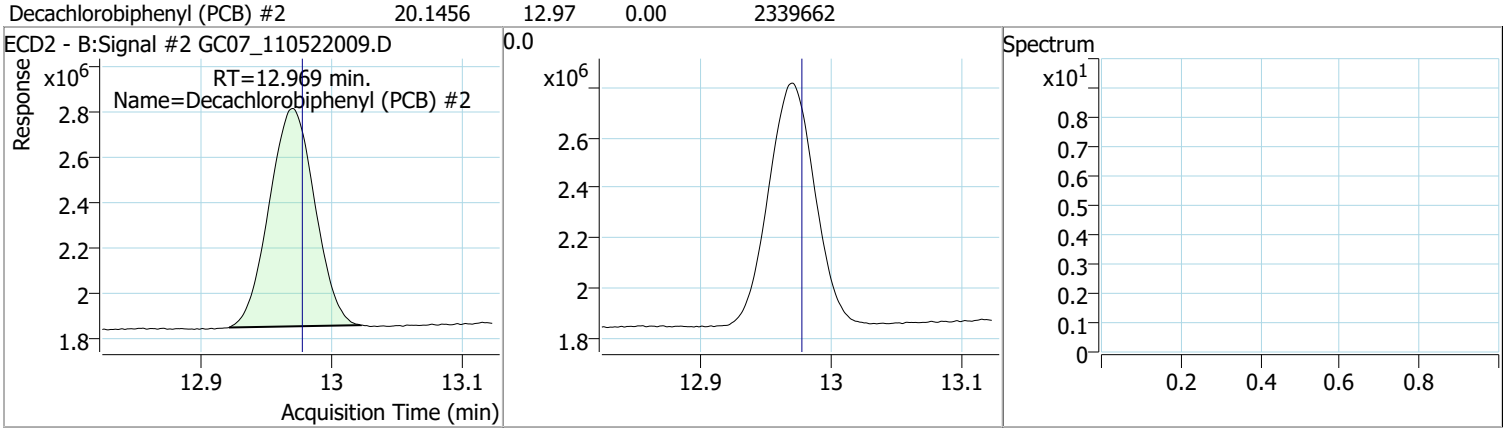
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	259.3068	11.55	0.00	2201739				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	20.0120	11.70	0.00	3730541				

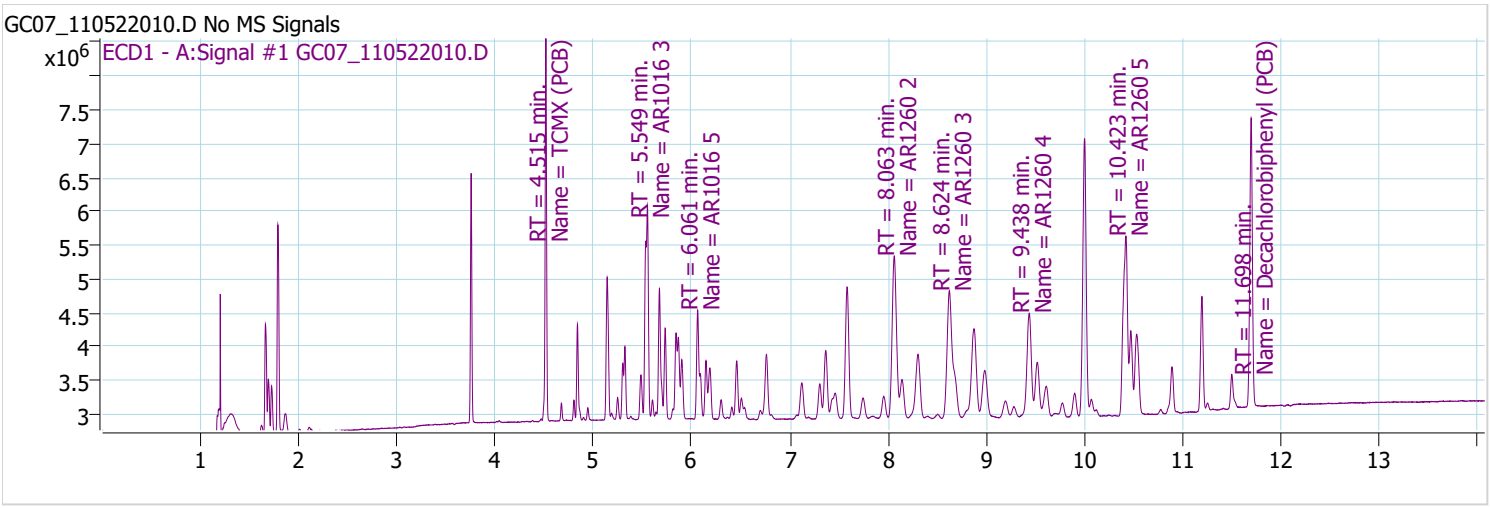


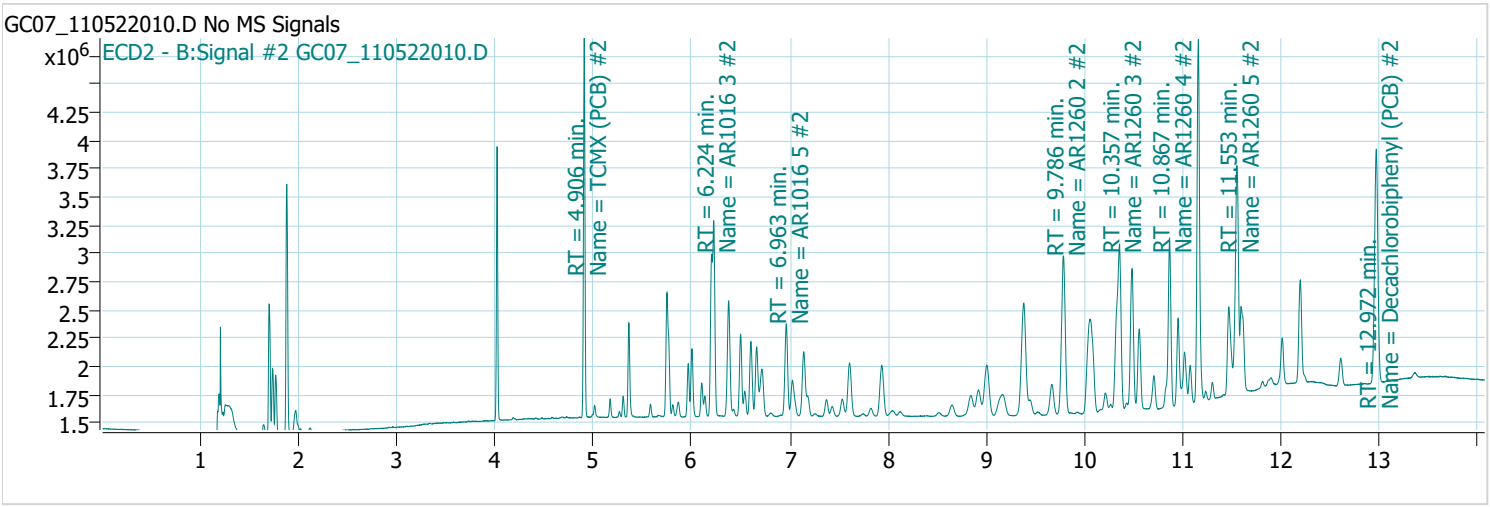
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.1456	12.97	0.00	2339662				



Quantitation Results Report (Not Reviewed)

Data File	GC07_110522010.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/5/2022 6:24:23 PM
Sample Name	ICAL, S17267	Instrument	SVOA-GC07
Vial	45	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	110522PCBICAL.batch.bin	Last Calib Update	11/6/2022 3:52:48 PM
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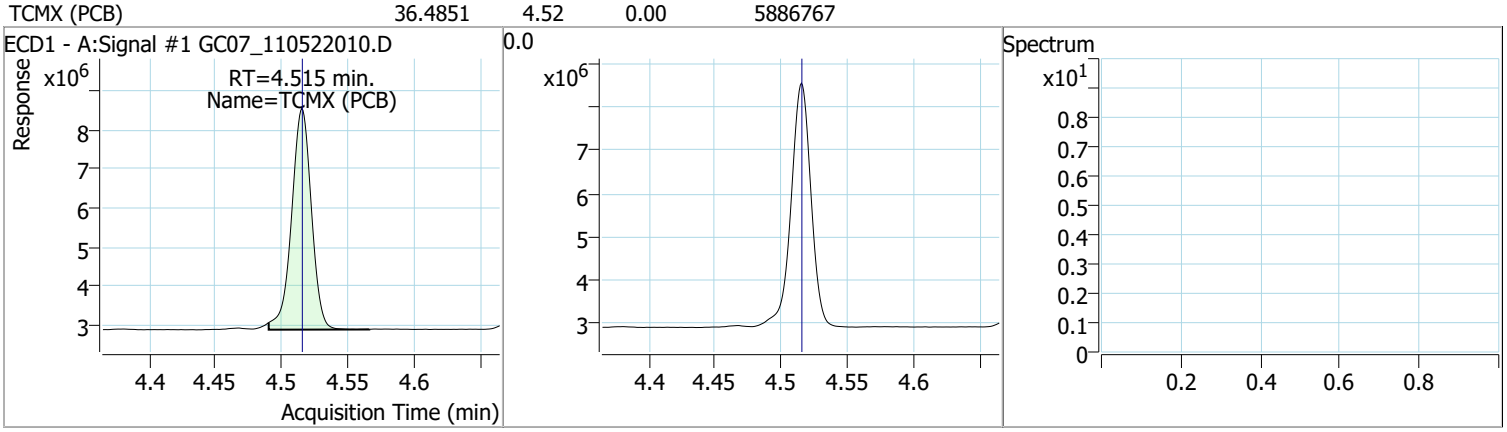


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.755	0.0	3496306.525	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.018	0.0	2194059.252	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.515	0.0	5886766.636	36.4851	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.43%		*	
S TCMX (PCB) #2	4.906	0.0	3597197.212	35.3975	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.99%		*	
S Decachlorobiphenyl (PCB)	11.698	0.0	7930704.550	37.7780	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 188.89%		*	
S Decachlorobiphenyl (PCB) #2	12.972	0.0	4911055.549	37.4889	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.44%		*	
Target Compounds							QValue

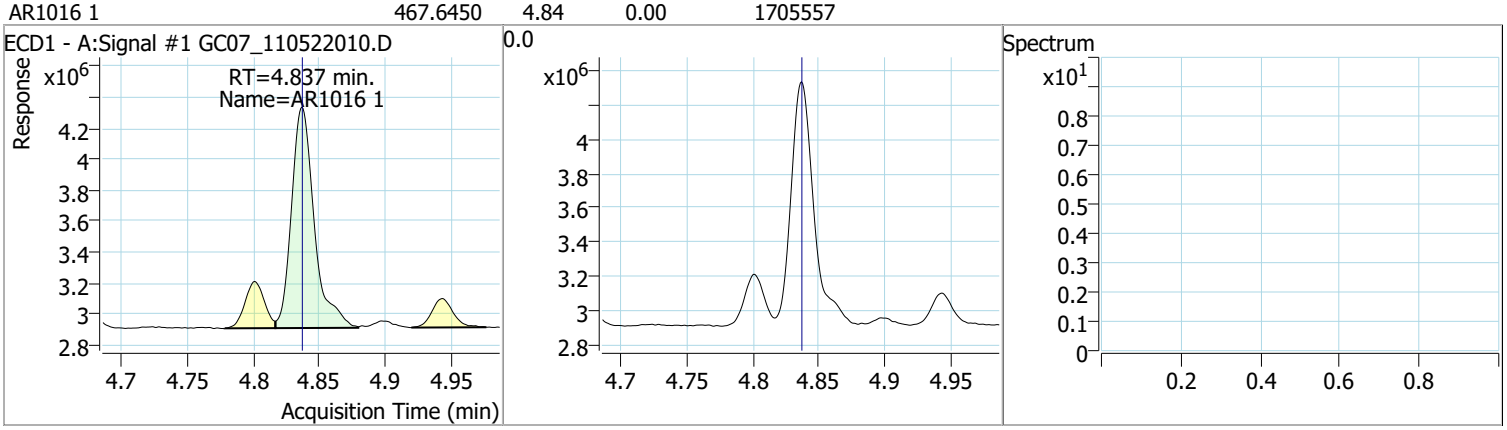
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.837	0.0	1705557.322	467.6450	ng/ml		100
T AR1016 2	5.139	0.0	3267600.331	439.6327	ng/ml		100
T AR1016 1 #2	5.360	0.0	1081390.519	499.3384	ng/ml		100
T AR1016 3	5.549	0.0	4165173.409	458.4534	ng/ml	m	100
T AR1016 4	5.672	0.0	3064946.101	469.6196	ng/ml		100
T AR1016 2 #2	5.748	0.0	2175341.415	437.5791	ng/ml		100
T AR1016 5	6.061	0.0	2461807.393	458.7570	ng/ml	m	100
T AR1016 3 #2	6.224	0.0	2684260.410	436.4235	ng/ml	m	100
T AR1016 4 #2	6.377	0.0	1918071.647	446.0194	ng/ml		100
T AR1016 5 #2	6.963	0.0	1608769.652	450.6955	ng/ml		100
T AR1260 1	7.583	0.0	4673566.139	462.9453	ng/ml		100
T AR1260 2	8.063	0.0	7353621.766	470.4496	ng/ml		100
T AR1260 3	8.624	0.0	7856208.391	479.5523	ng/ml		100
T AR1260 1 #2	9.383	0.0	3171493.824	447.7017	ng/ml	m	100
T AR1260 4	9.438	0.0	4460686.004	475.8618	ng/ml		100
T AR1260 2 #2	9.786	0.0	3694610.862	443.9050	ng/ml		100
T AR1260 3 #2	10.357	0.0	4537016.257	447.5903	ng/ml		100
T AR1260 5	10.423	0.0	8098383.046	707.6373	ng/ml		100
T AR1260 4 #2	10.867	0.0	2957162.982	456.1782	ng/ml		100
T AR1260 5 #2	11.553	0.0	4610675.550	510.4443	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

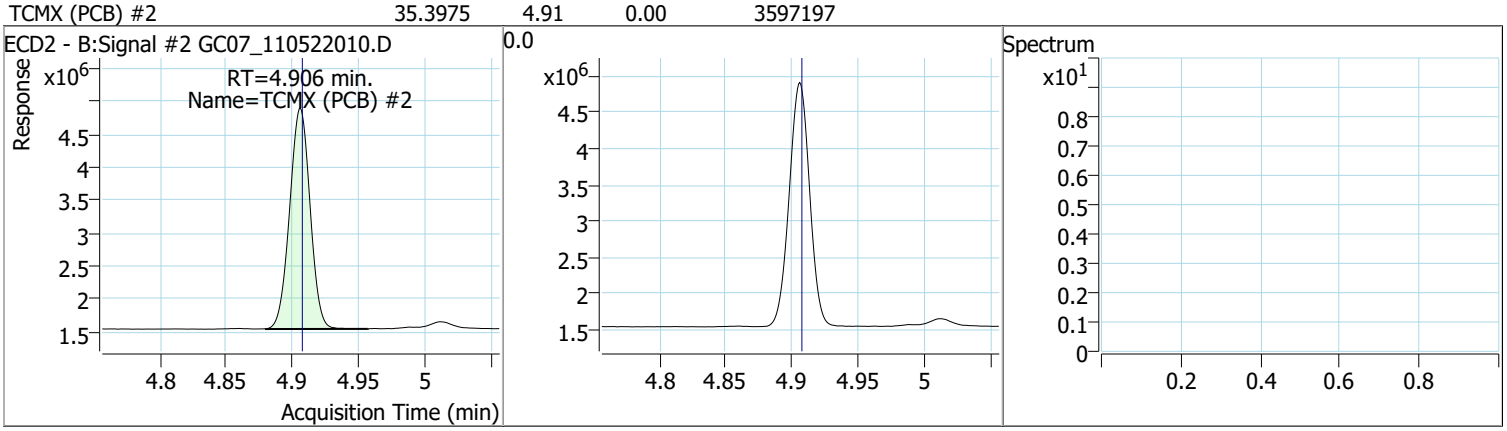
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.4851	4.52	0.00	5886767				



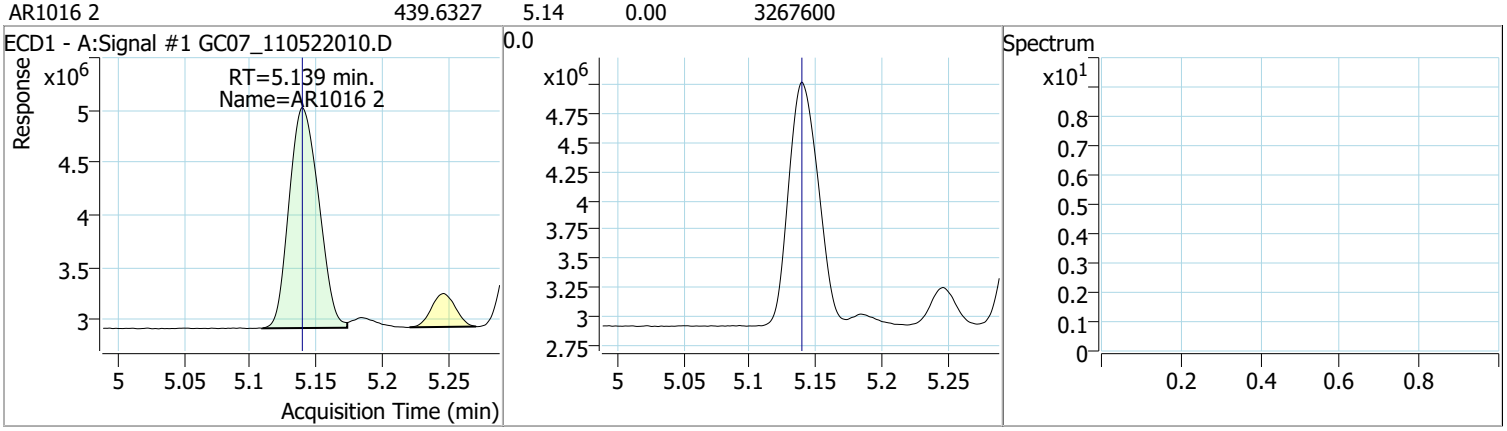
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	467.6450	4.84	0.00	1705557				



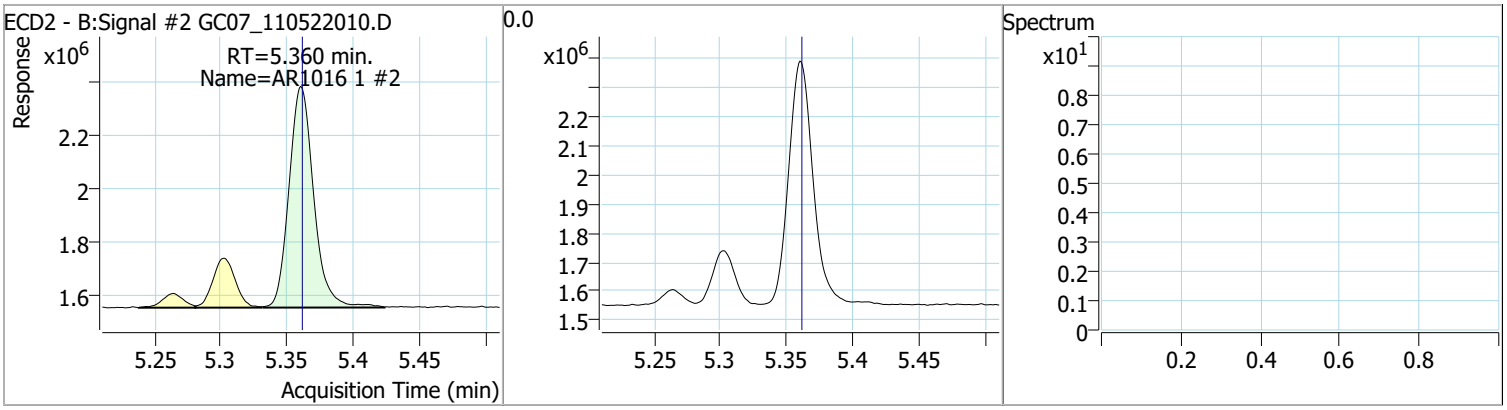
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.3975	4.91	0.00	3597197				



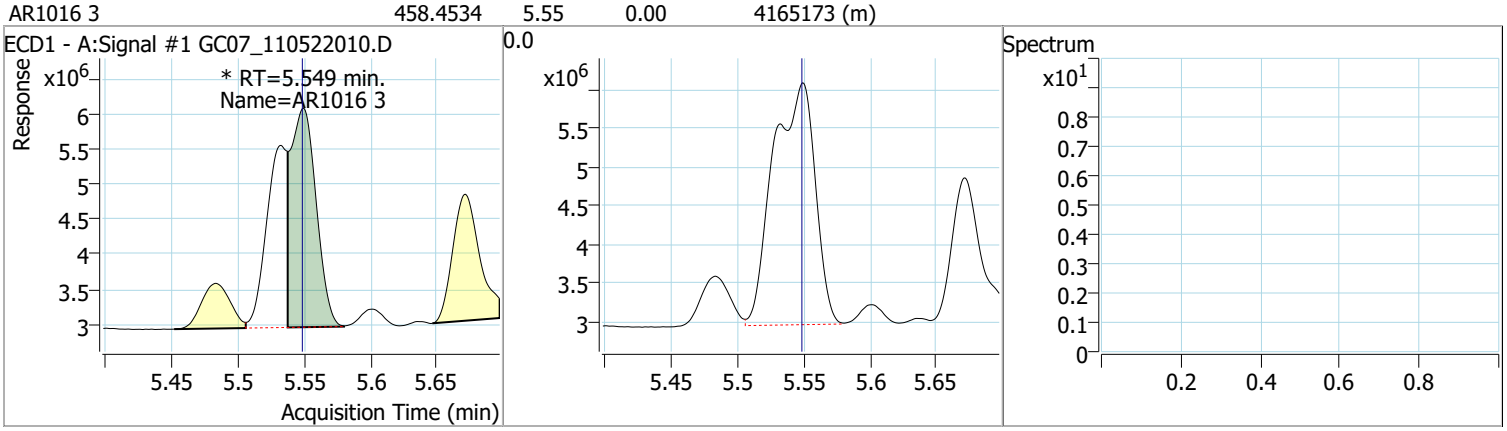
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	439.6327	5.14	0.00	3267600				



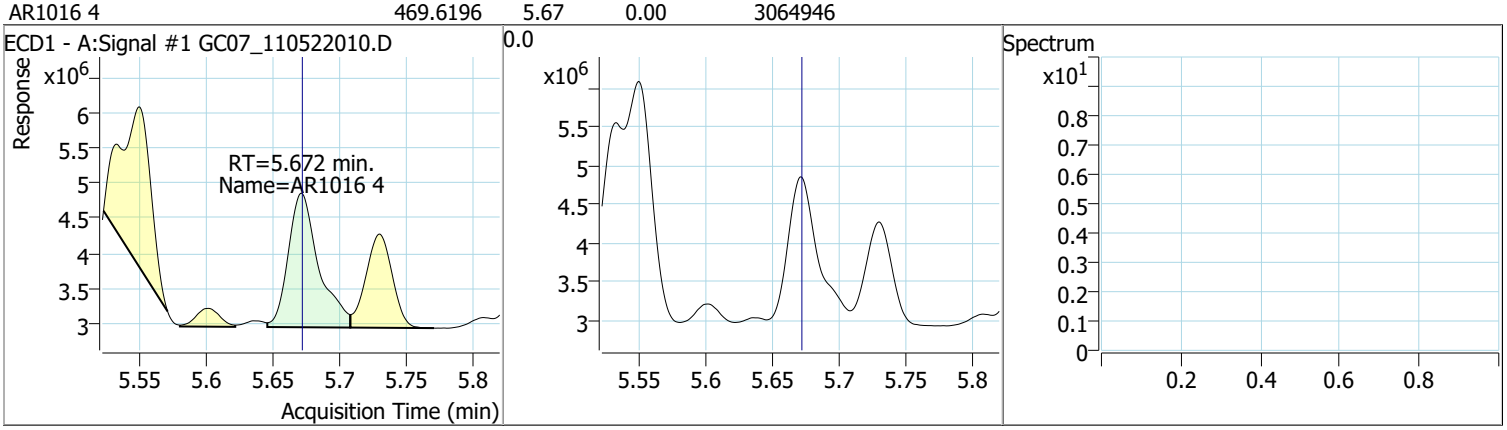
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	499.3384	5.36	0.00	1081391				



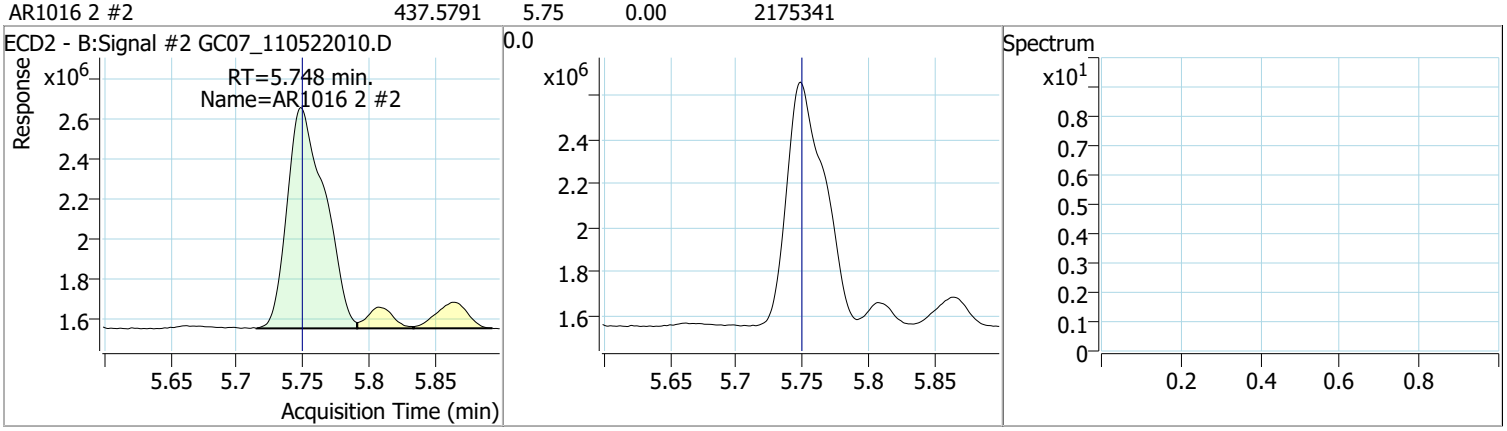
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	458.4534	5.55	0.00	4165173 (m)				



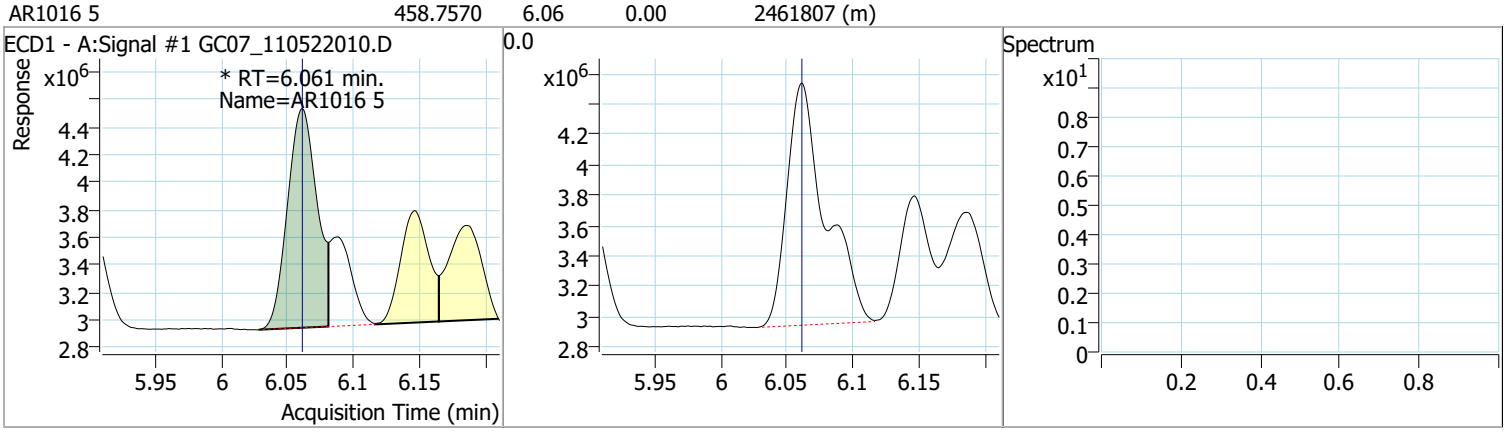
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	469.6196	5.67	0.00	3064946				



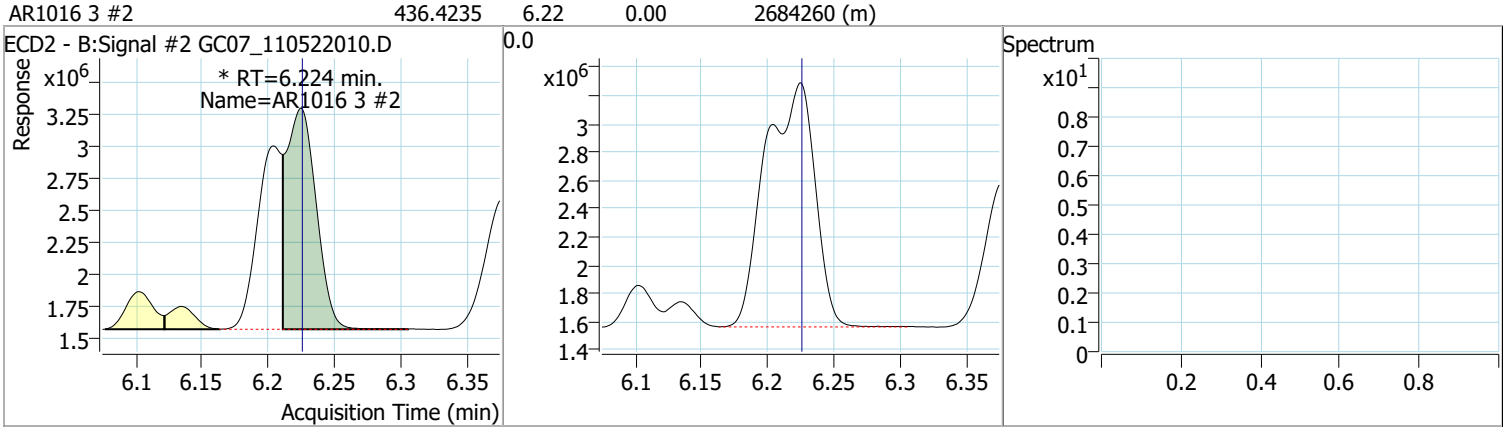
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	437.5791	5.75	0.00	2175341				



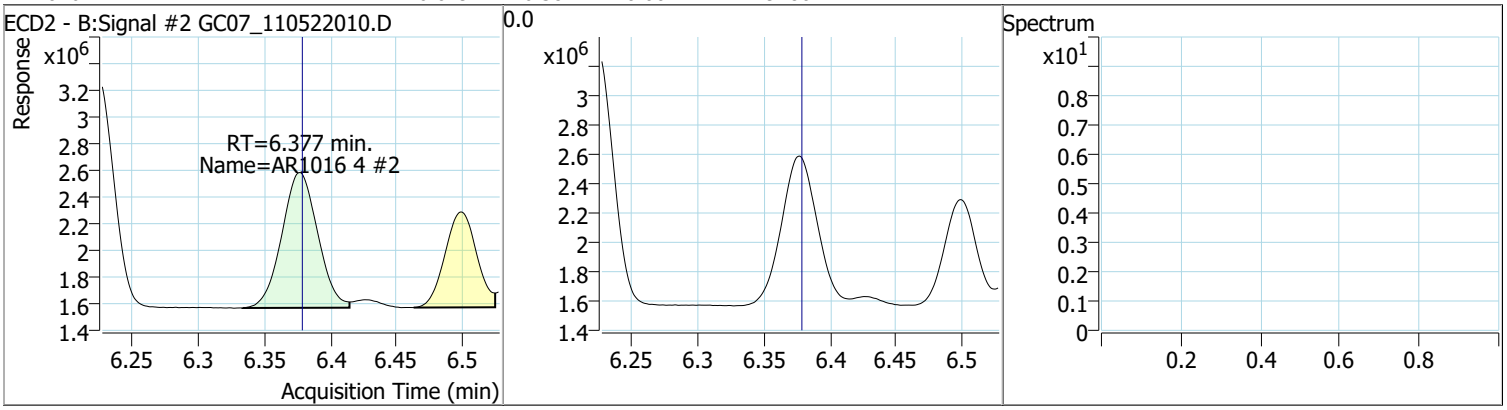
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	458.7570	6.06	0.00	2461807 (m)				



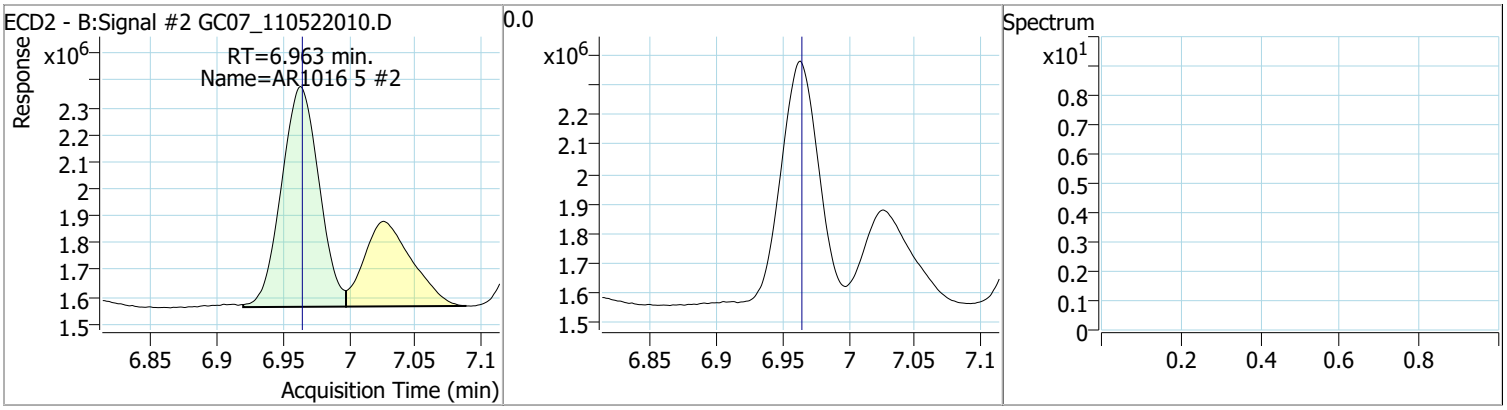
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AR1016 3 #2	436.4235	6.22	0.00	2684260 (m)				



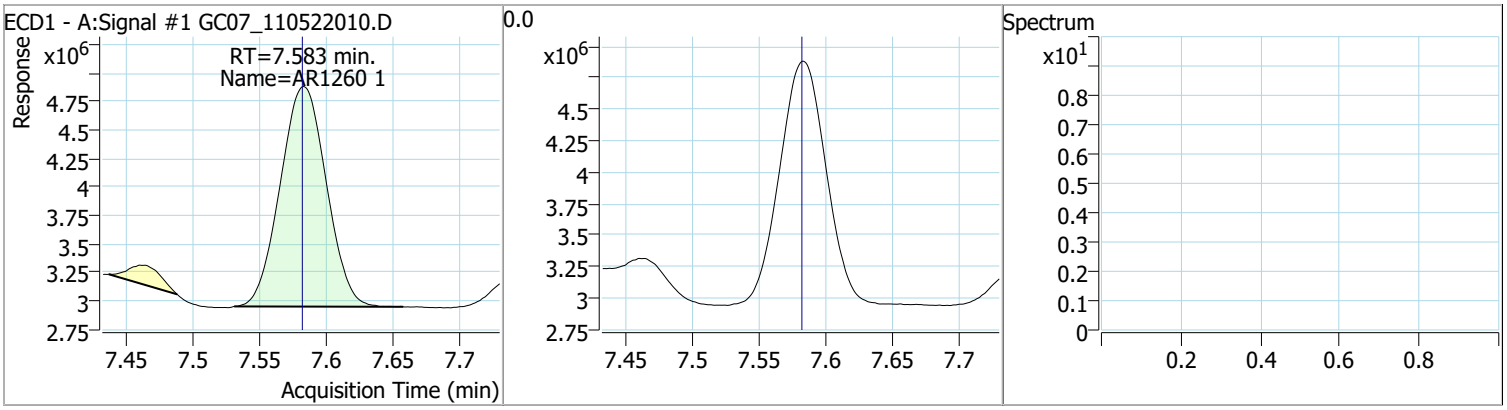
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AR1016 4 #2	446.0194	6.38	0.00	1918072				



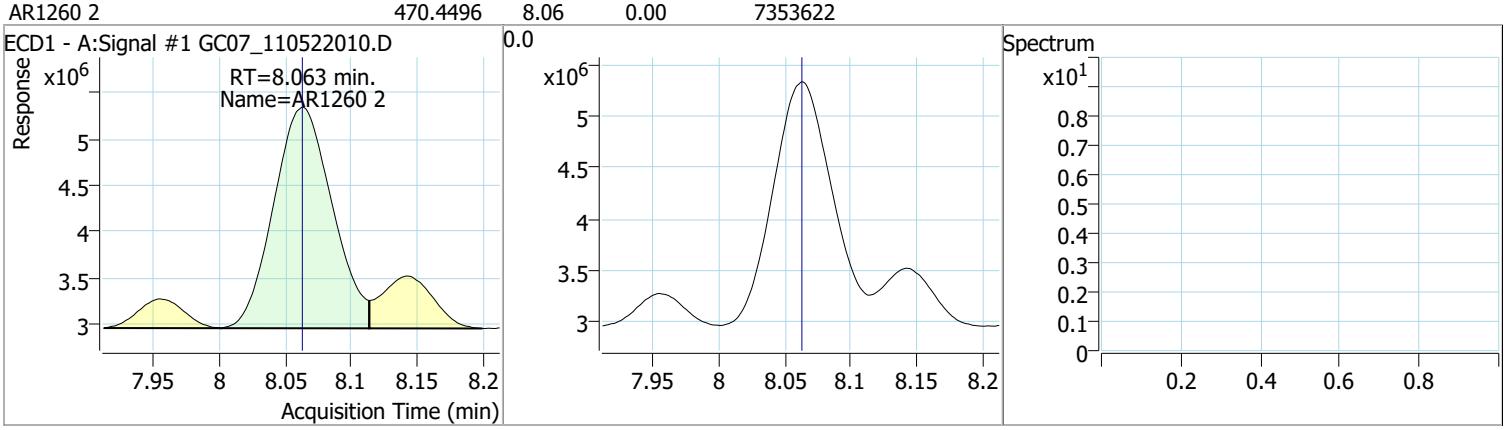
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	450.6955	6.96	0.00	1608770				



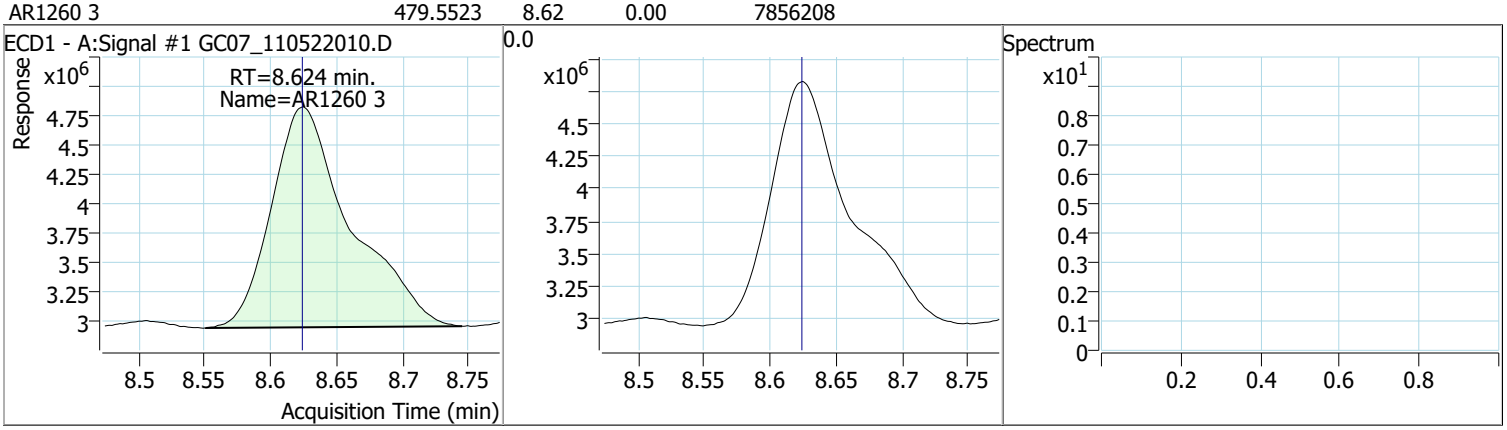
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	462.9453	7.58	0.00	4673566				



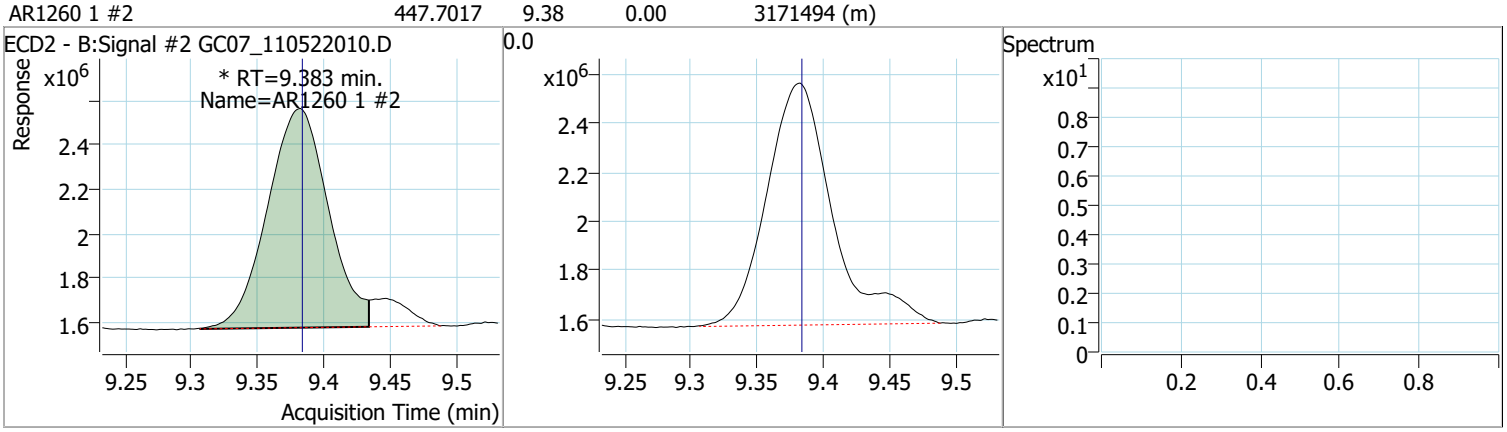
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	470.4496	8.06	0.00	7353622				



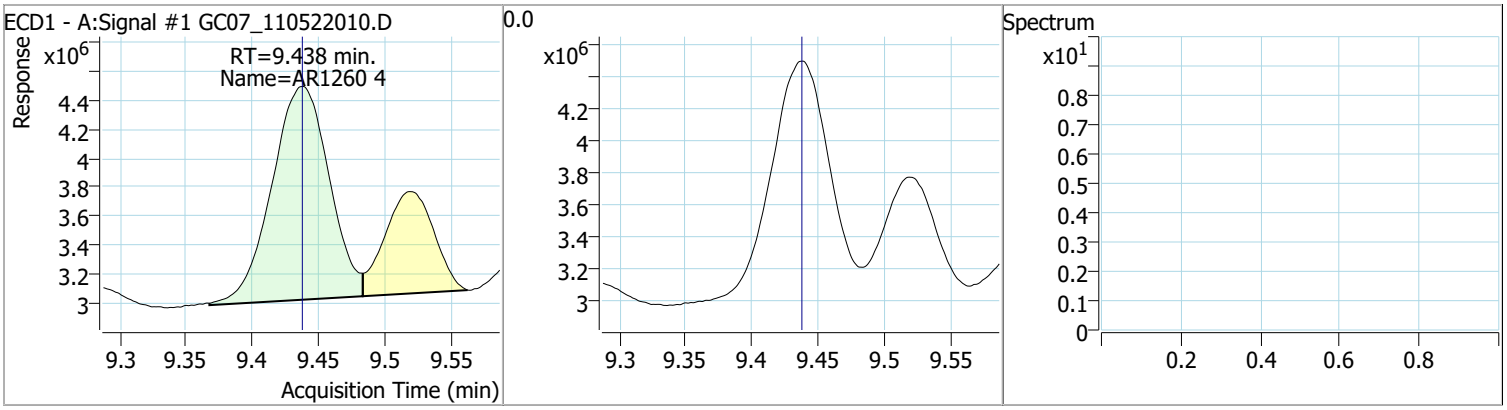
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	479.5523	8.62	0.00	7856208				



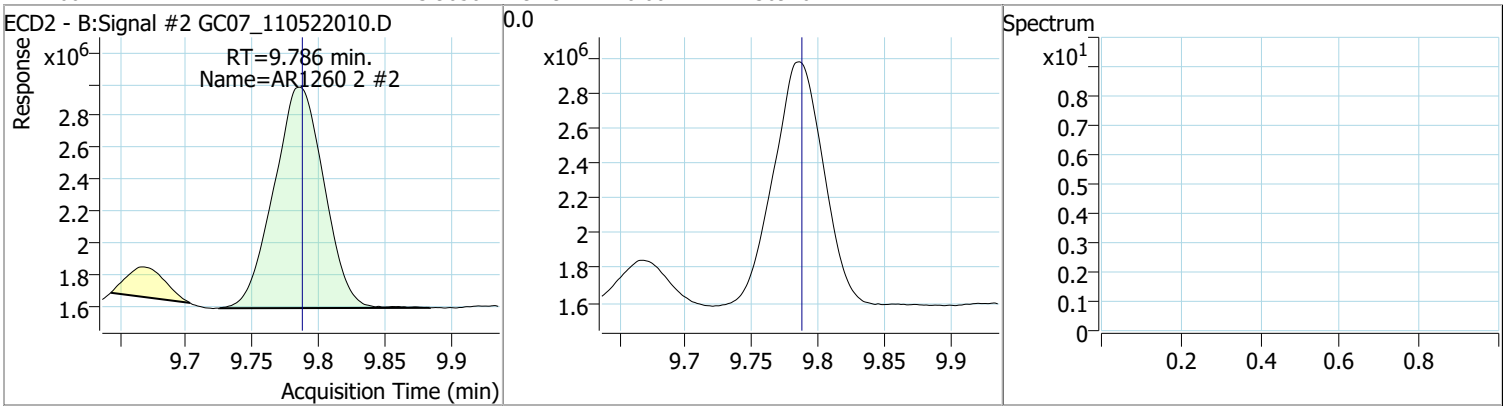
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	447.7017	9.38	0.00	3171494 (m)				



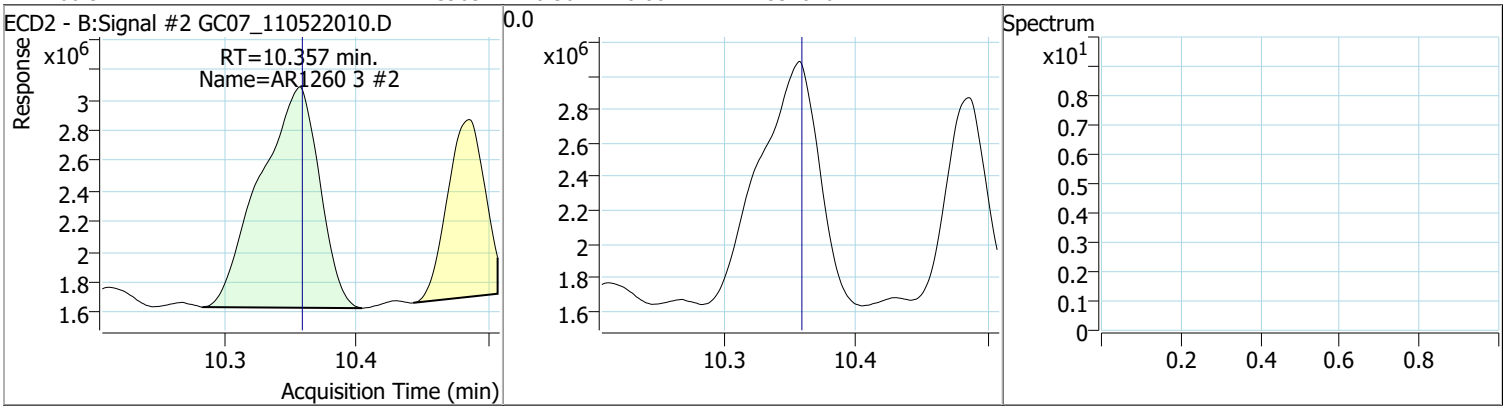
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	475.8618	9.44	0.00	4460686				



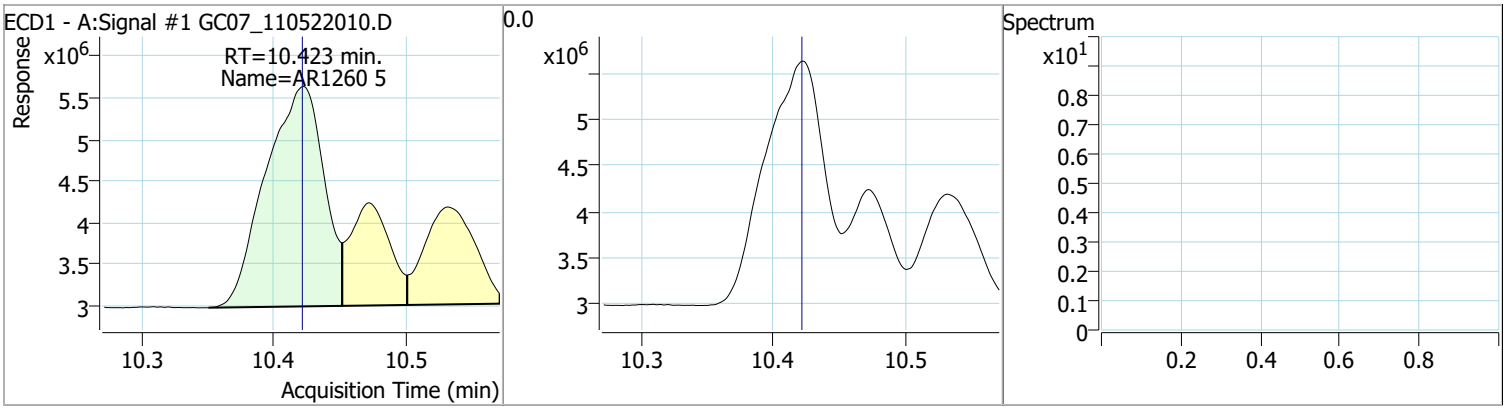
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	443.9050	9.79	0.00	3694611				



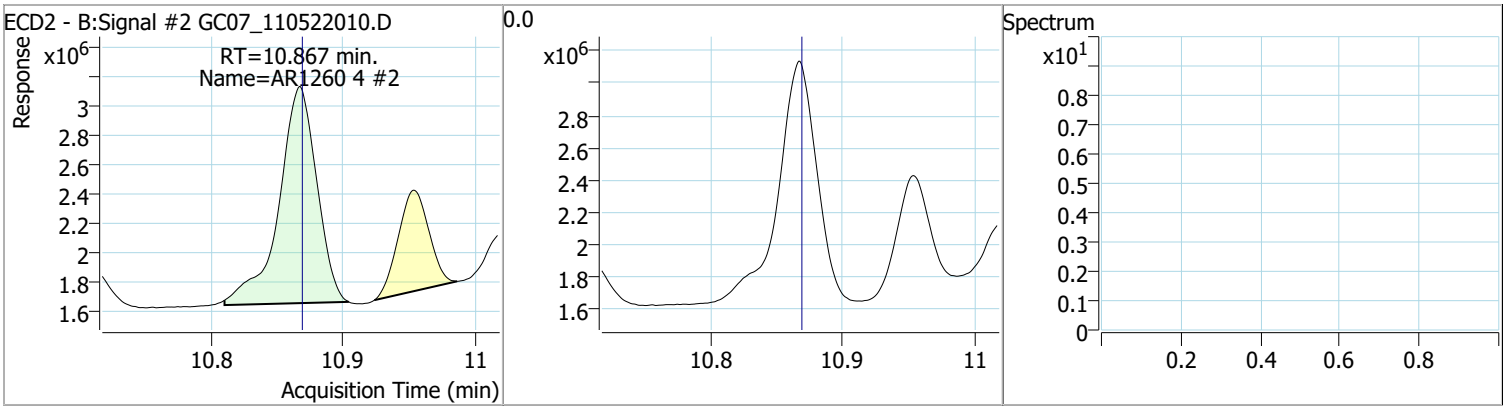
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	447.5903	10.36	0.00	4537016				



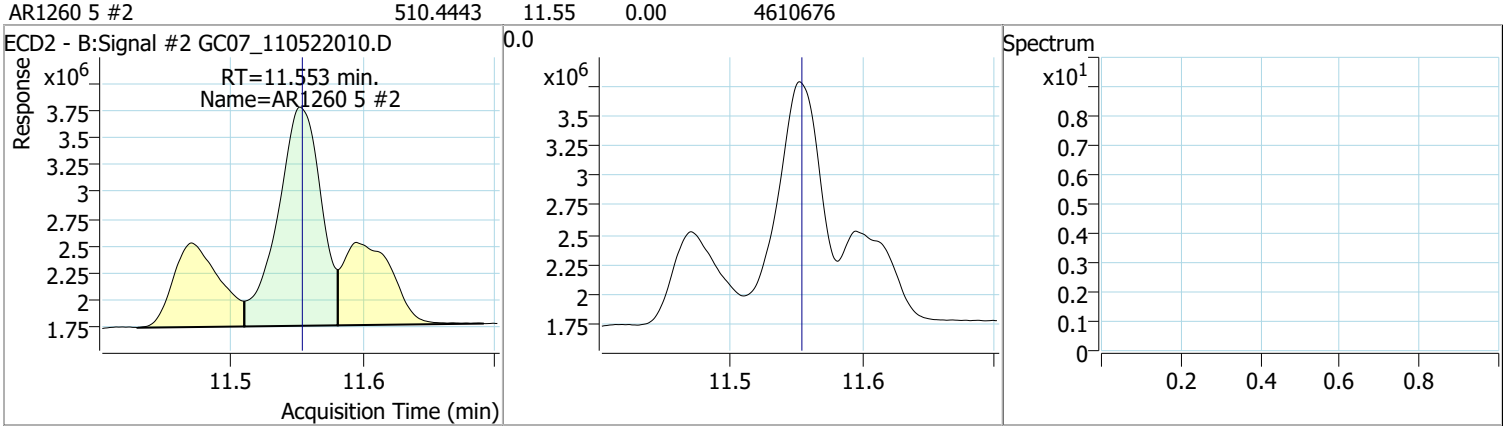
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	707.6373	10.42	0.00	8098383				



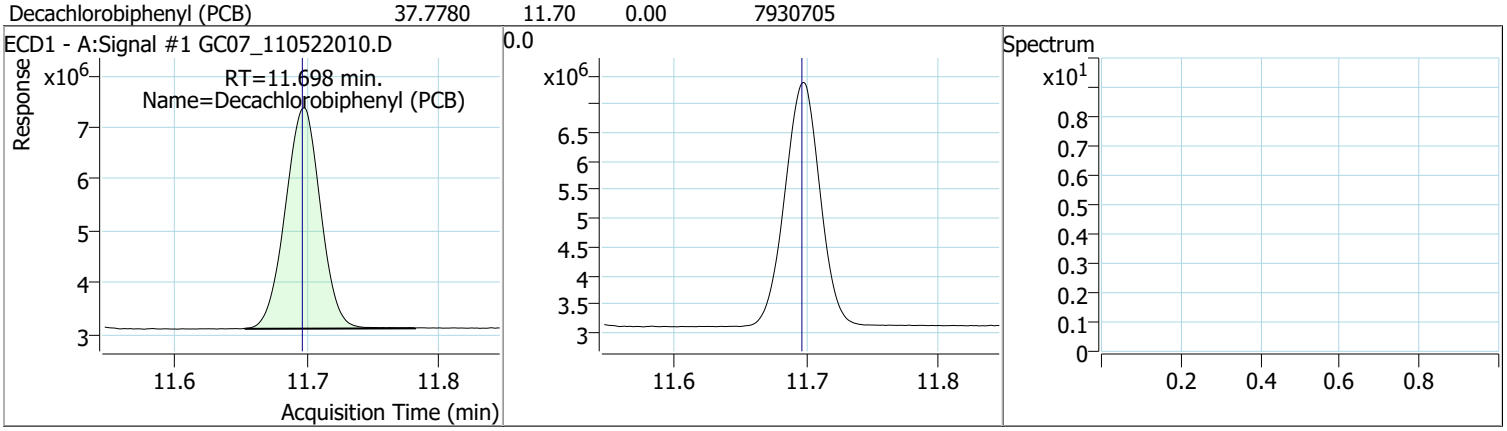
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	456.1782	10.87	0.00	2957163				



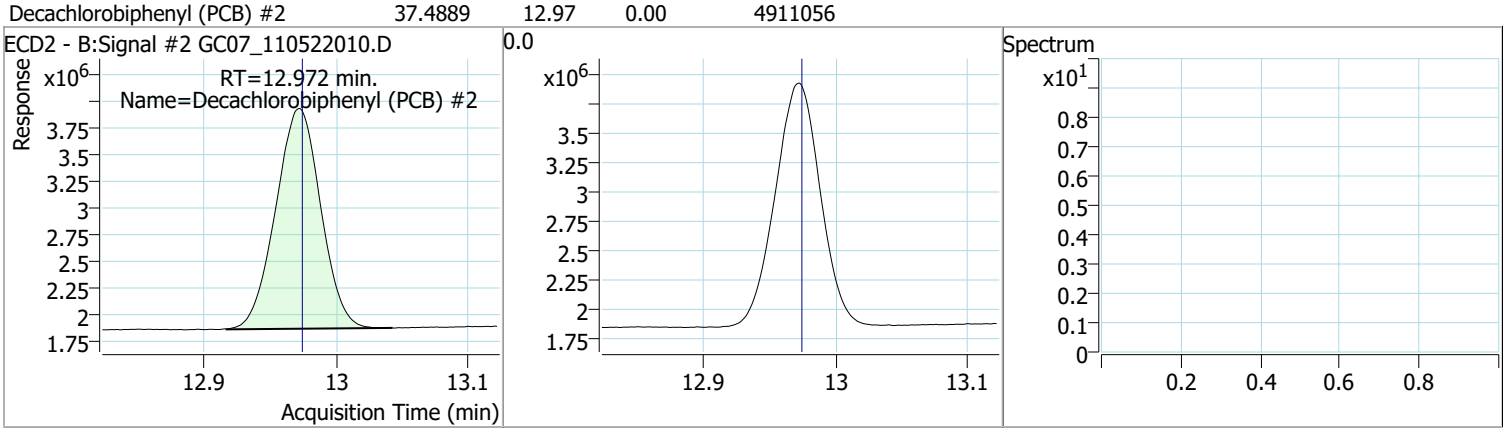
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	510.4443	11.55	0.00	4610676				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	37.7780	11.70	0.00	7930705				

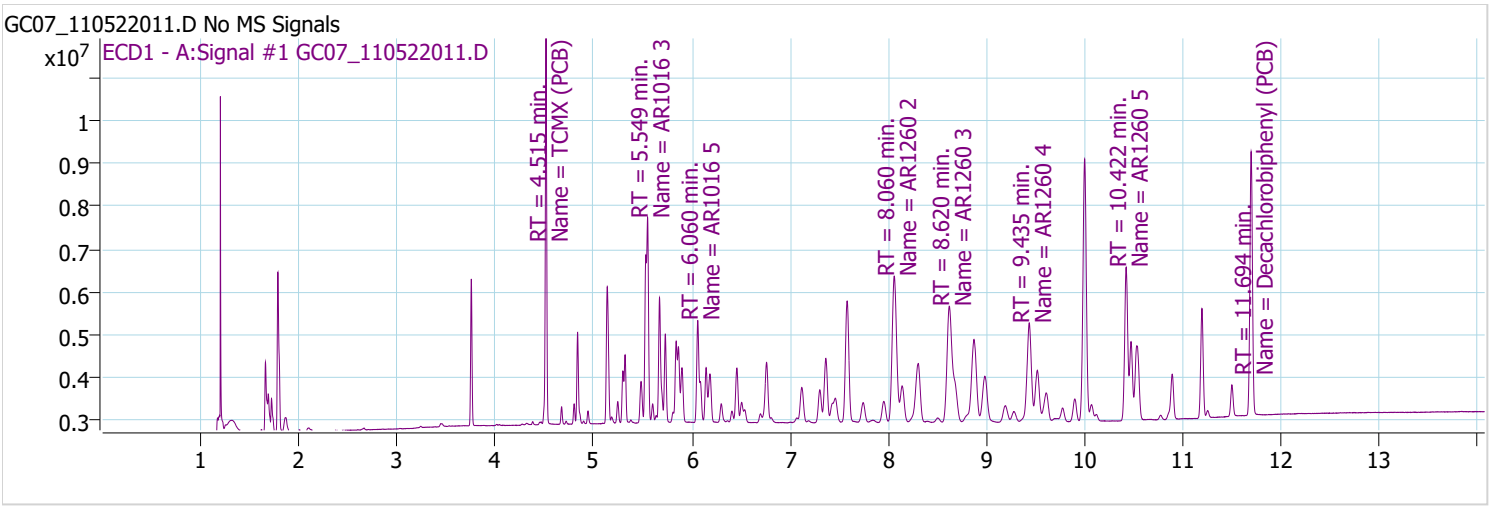


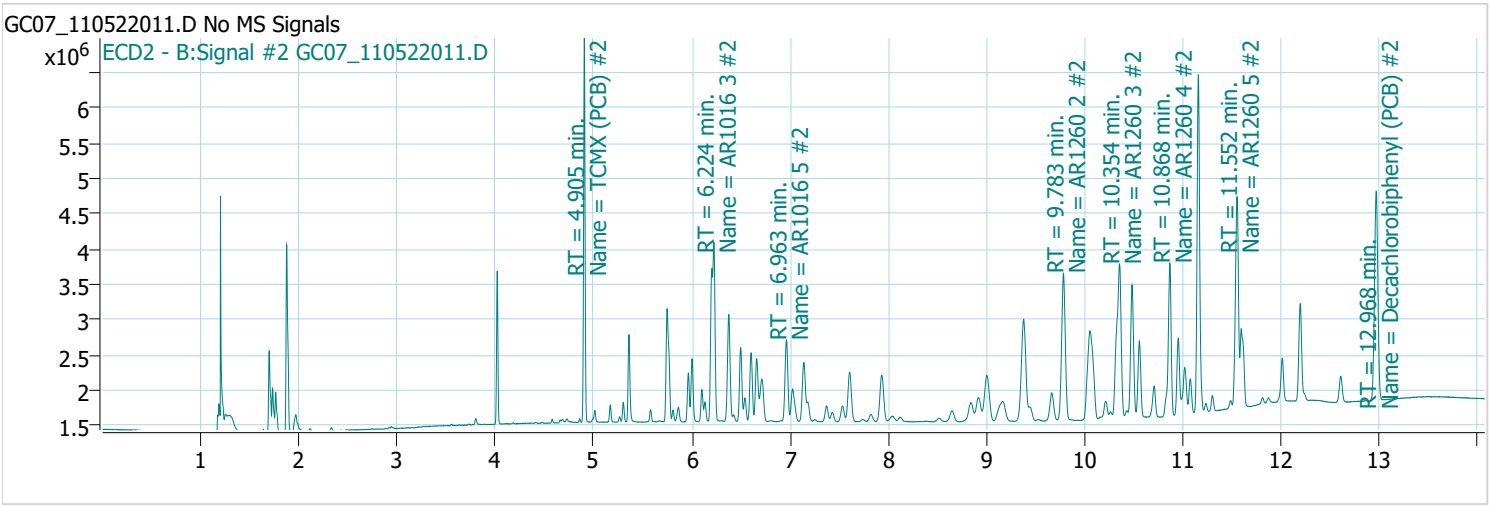
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.4889	12.97	0.00	4911056				



Quantitation Results Report (Not Reviewed)

Data File	GC07_110522011.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/5/2022 6:41:43 PM
Sample Name	ICAL, S17268	Instrument	SVOA-GC07
Vial	46	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	110522PCBICAL.batch.bin	Last Calib Update	11/6/2022 3:52:48 PM
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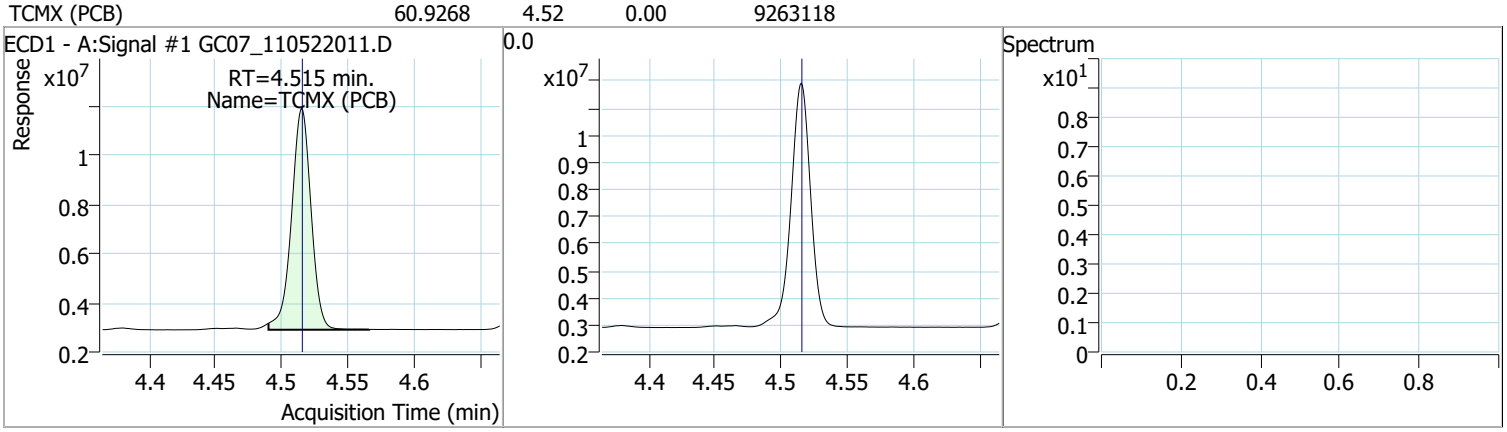


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.755	0.0	3294558.300	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.018	0.0	2066810.583	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.515	0.0	9263118.397	60.9268	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 304.63%		*	
S TCMX (PCB) #2	4.905	0.0	5721043.760	59.7628	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 298.81%		*	
S Decachlorobiphenyl (PCB)	11.694	0.0	11297417.776	57.1108	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 285.55%		*	
S Decachlorobiphenyl (PCB) #2	12.968	0.0	7114934.985	57.6562	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 288.28%		*	
Target Compounds							QValue

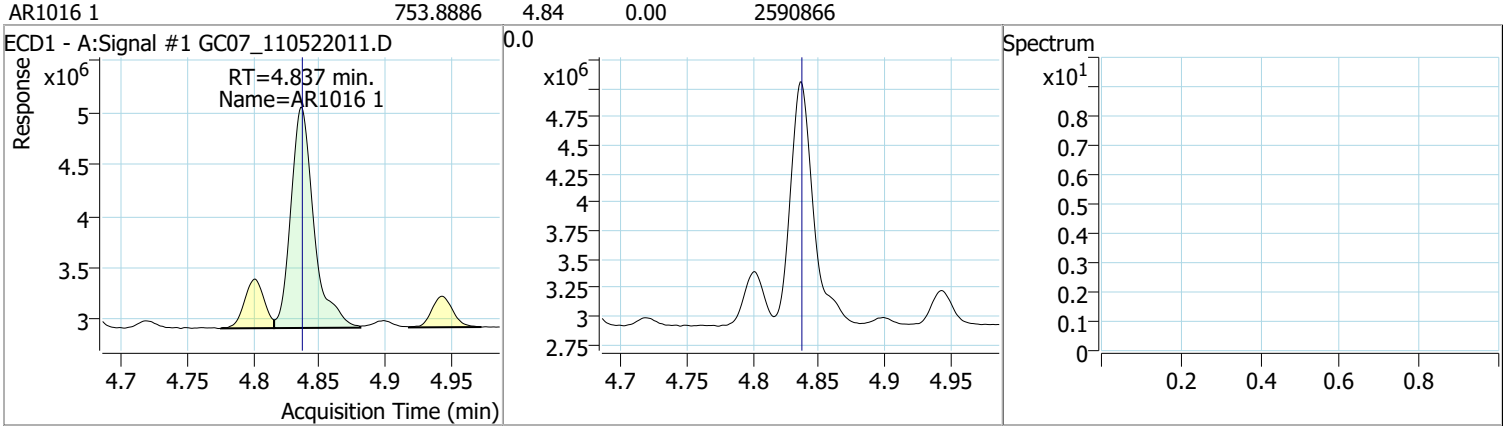
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.837	0.0	2590865.687	753.8886	ng/ml		100
T AR1016 2	5.138	0.0	4899365.203	699.5409	ng/ml		100
T AR1016 1 #2	5.360	0.0	1606886.223	818.2231	ng/ml		100
T AR1016 3	5.549	0.0	6118397.427	714.6808	ng/ml	m	100
T AR1016 4	5.671	0.0	4497087.886	731.2519	ng/ml		100
T AR1016 2 #2	5.748	0.0	3238261.271	691.4945	ng/ml		100
T AR1016 5	6.060	0.0	3690742.215	729.8853	ng/ml	m	100
T AR1016 3 #2	6.224	0.0	3975588.874	686.1714	ng/ml	m	100
T AR1016 4 #2	6.377	0.0	2832433.349	699.1918	ng/ml		100
T AR1016 5 #2	6.963	0.0	2370116.771	704.8663	ng/ml		100
T AR1260 1	7.581	0.0	6998598.166	735.7066	ng/ml		100
T AR1260 2	8.060	0.0	10709739.265	727.1148	ng/ml		100
T AR1260 3	8.620	0.0	11629757.345	753.3658	ng/ml		100
T AR1260 1 #2	9.379	0.0	4667890.859	699.5090	ng/ml	m	100
T AR1260 4	9.435	0.0	6587112.472	745.7385	ng/ml		100
T AR1260 2 #2	9.783	0.0	5460291.753	696.4419	ng/ml		100
T AR1260 3 #2	10.354	0.0	6751424.676	707.0554	ng/ml		100
T AR1260 5	10.422	0.0	7477085.648	693.3573	ng/ml		100
T AR1260 4 #2	10.868	0.0	4428004.813	725.1286	ng/ml		100
T AR1260 5 #2	11.552	0.0	6552892.357	787.3775	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

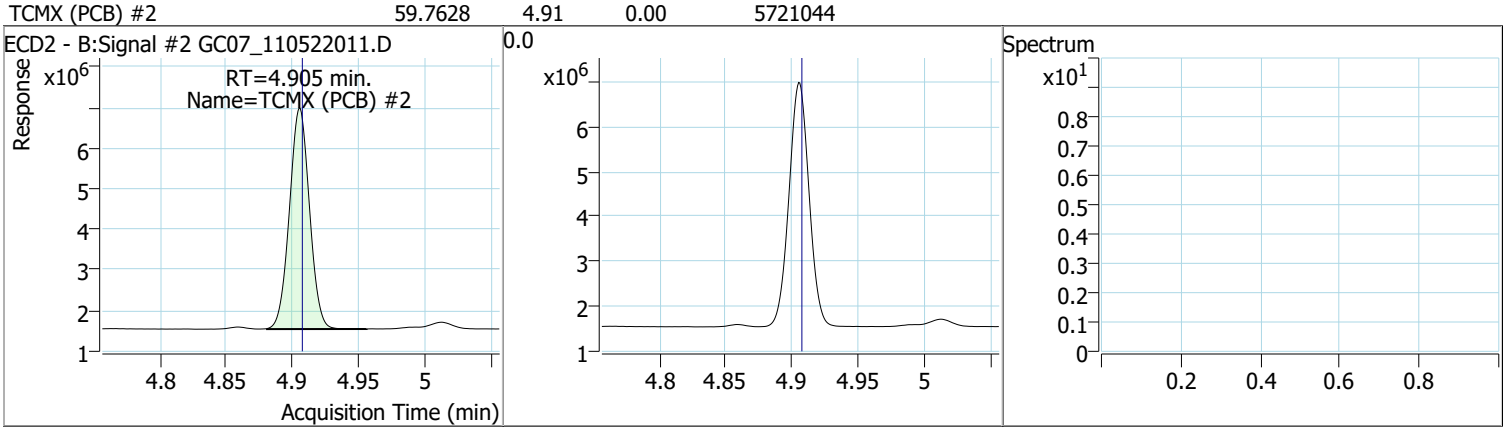
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	60.9268	4.52	0.00	9263118				



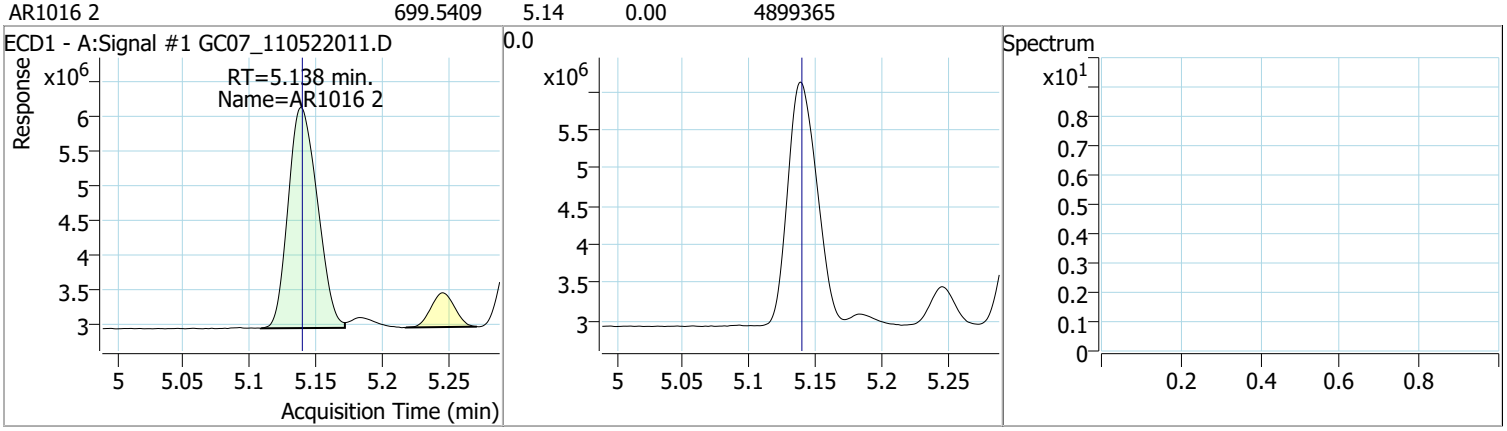
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	753.8886	4.84	0.00	2590866				



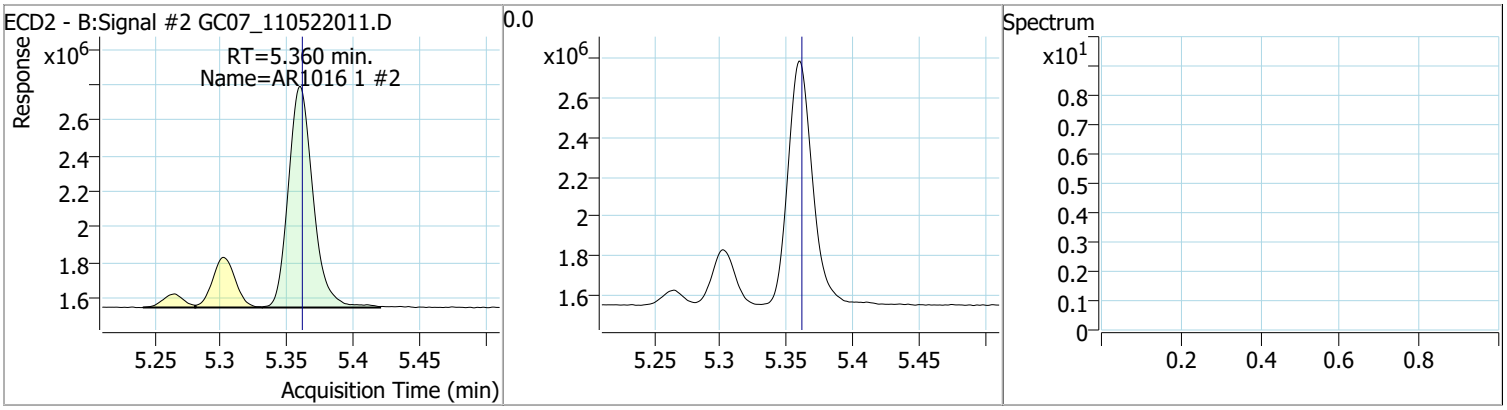
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	59.7628	4.91	0.00	5721044				



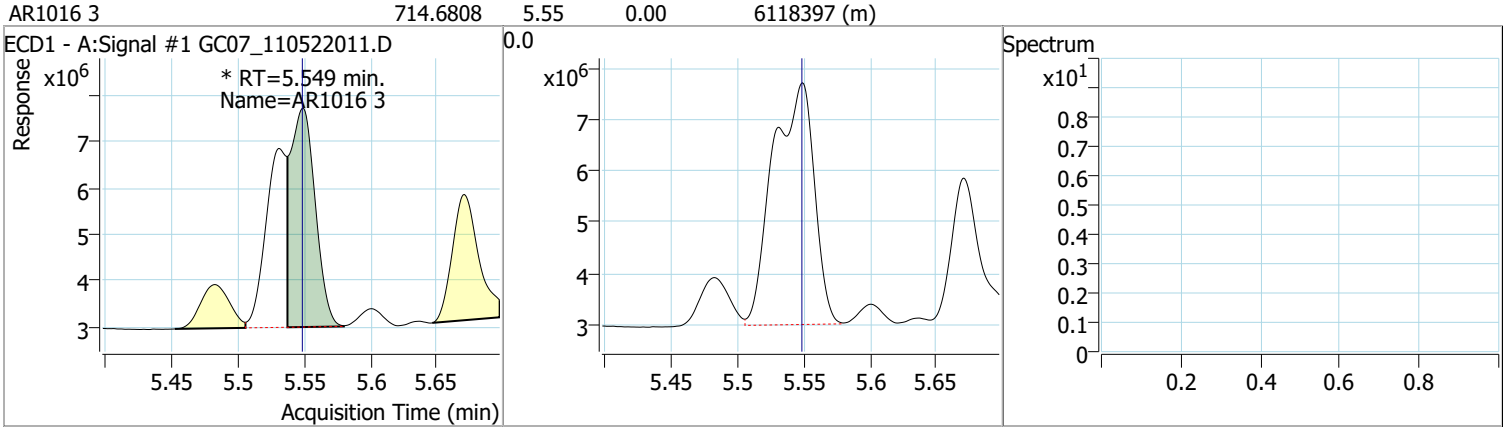
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	699.5409	5.14	0.00	4899365				



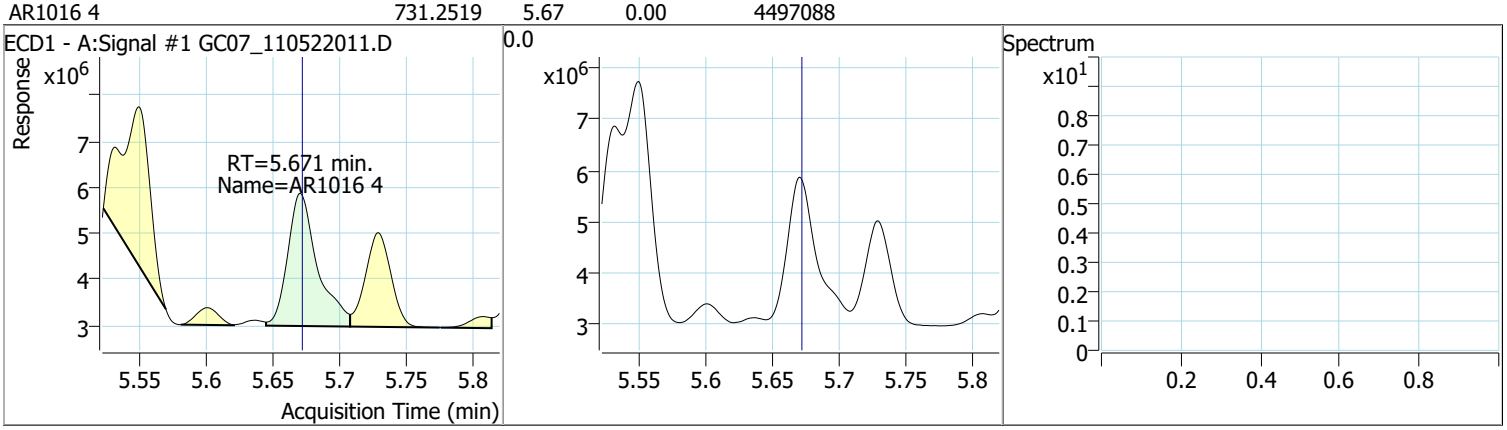
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	818.2231	5.36	0.00	1606886				



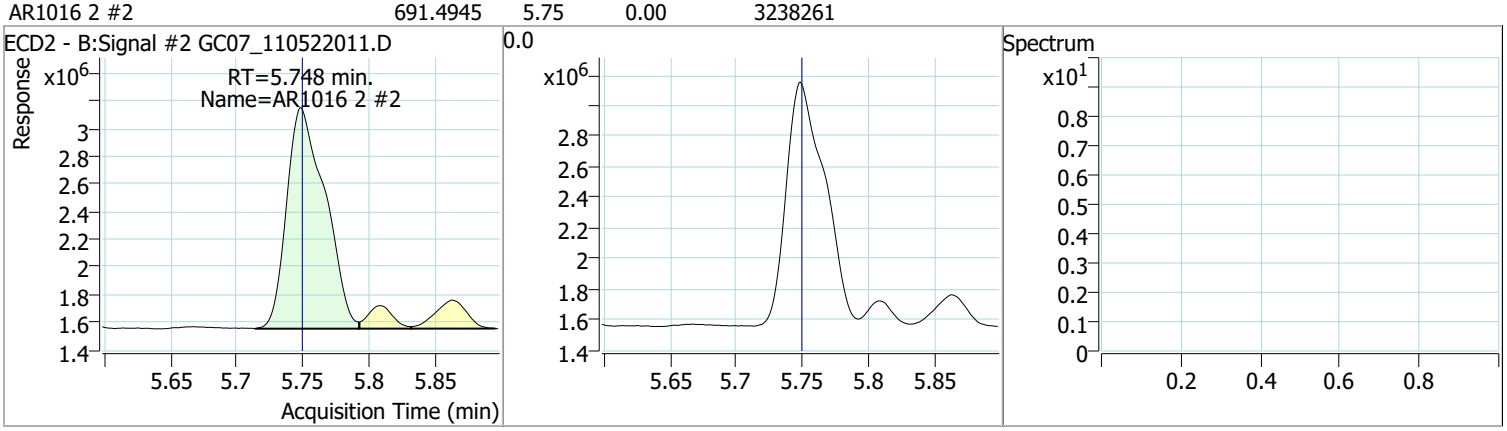
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	714.6808	5.55	0.00	6118397 (m)				



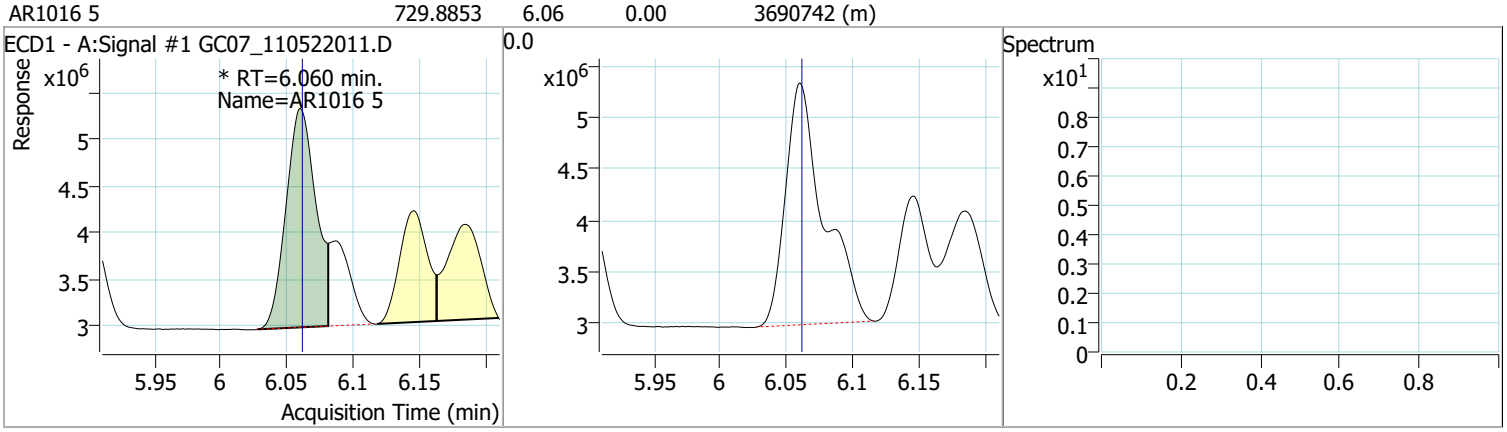
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	731.2519	5.67	0.00	4497088				



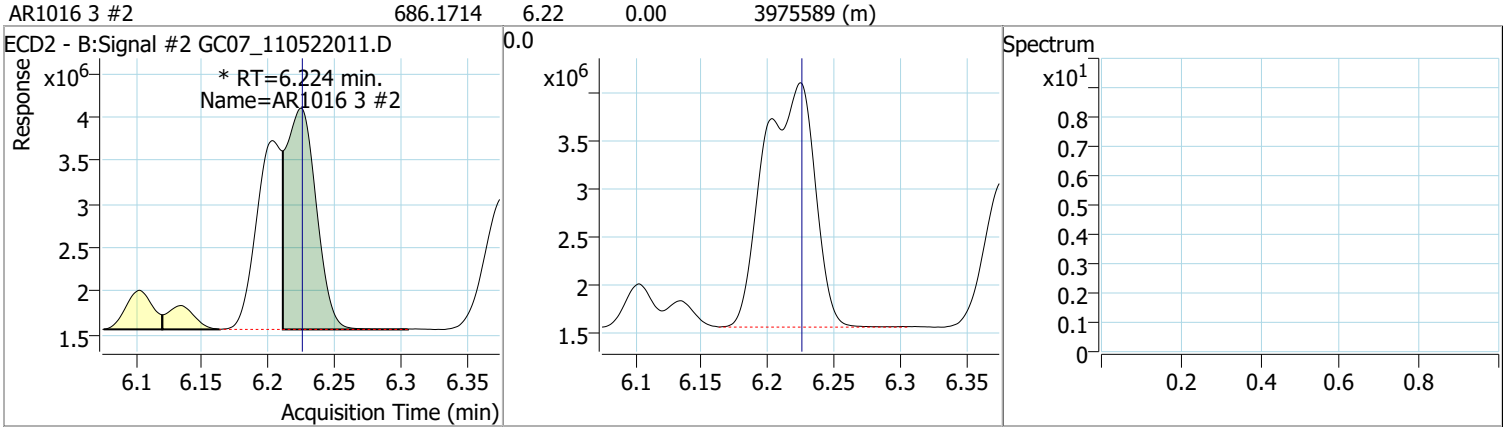
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AR1016 2 #2	691.4945	5.75	0.00	3238261				



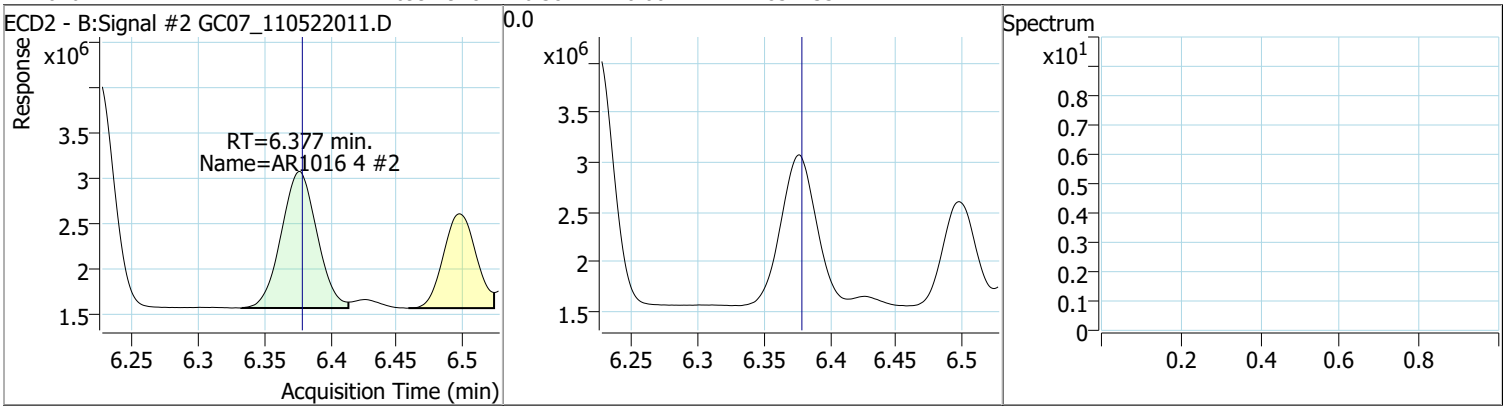
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	729.8853	6.06	0.00	3690742 (m)				



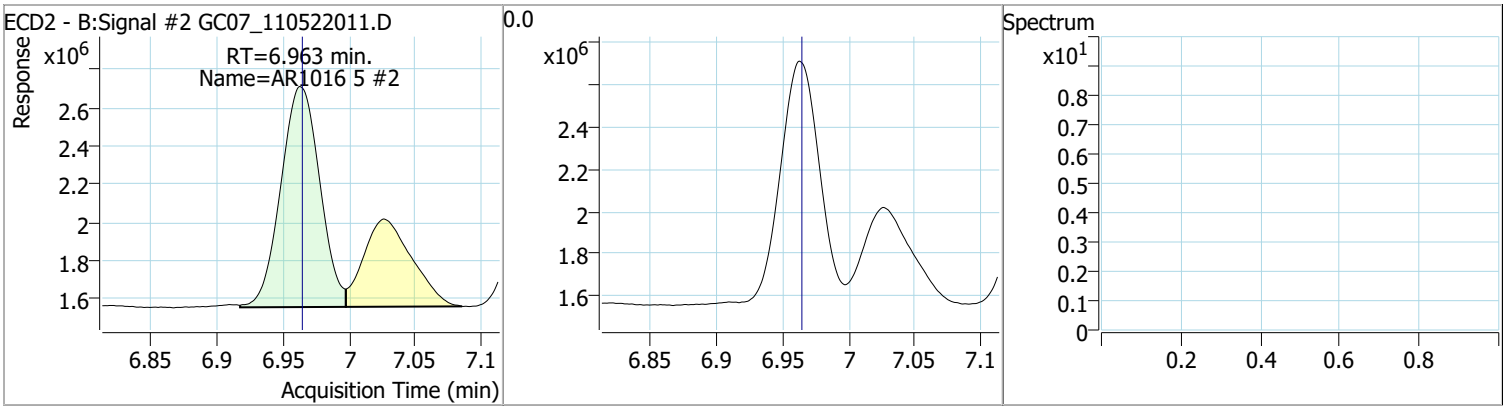
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	686.1714	6.22	0.00	3975589 (m)				



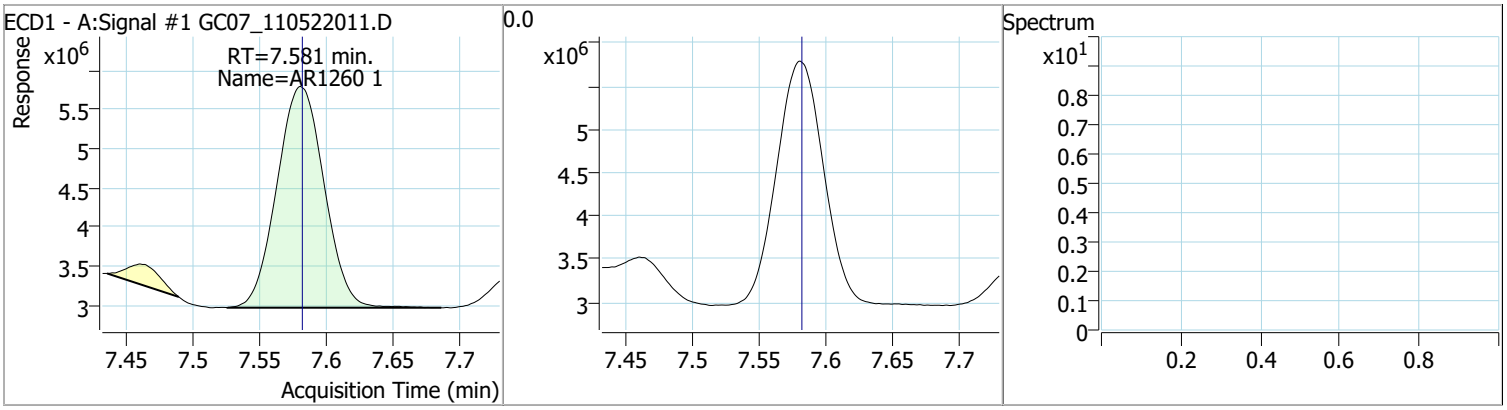
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	699.1918	6.38	0.00	2832433				



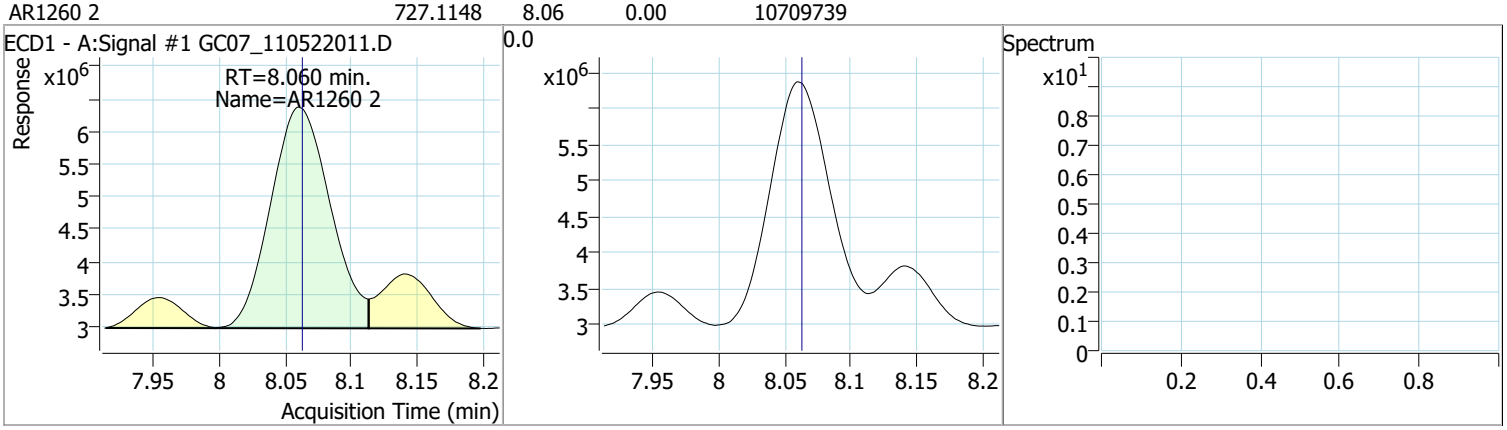
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	704.8663	6.96	0.00	2370117				



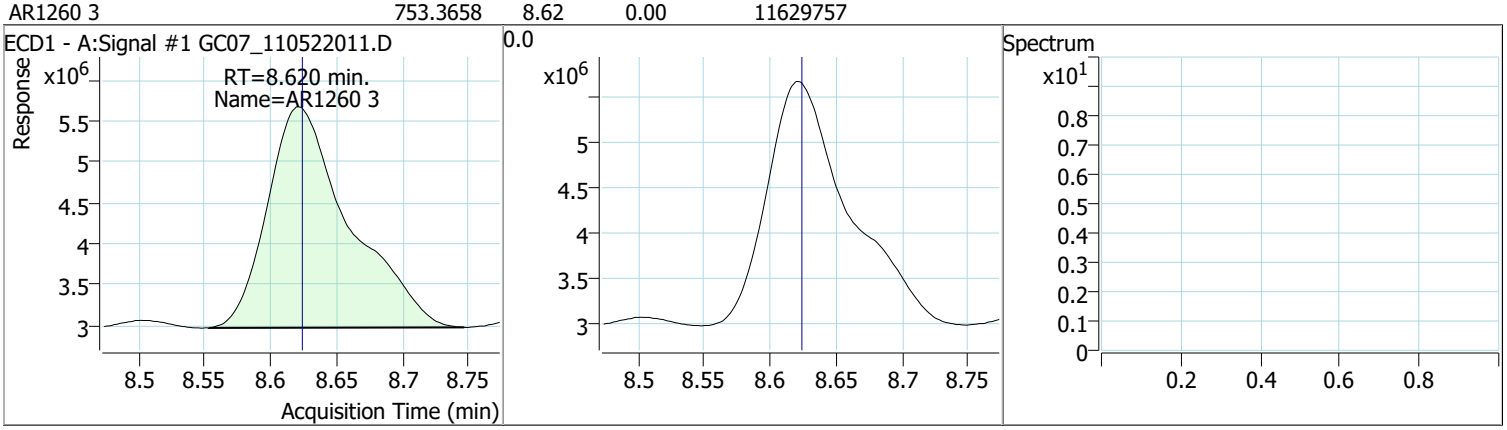
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	735.7066	7.58	0.00	6998598				



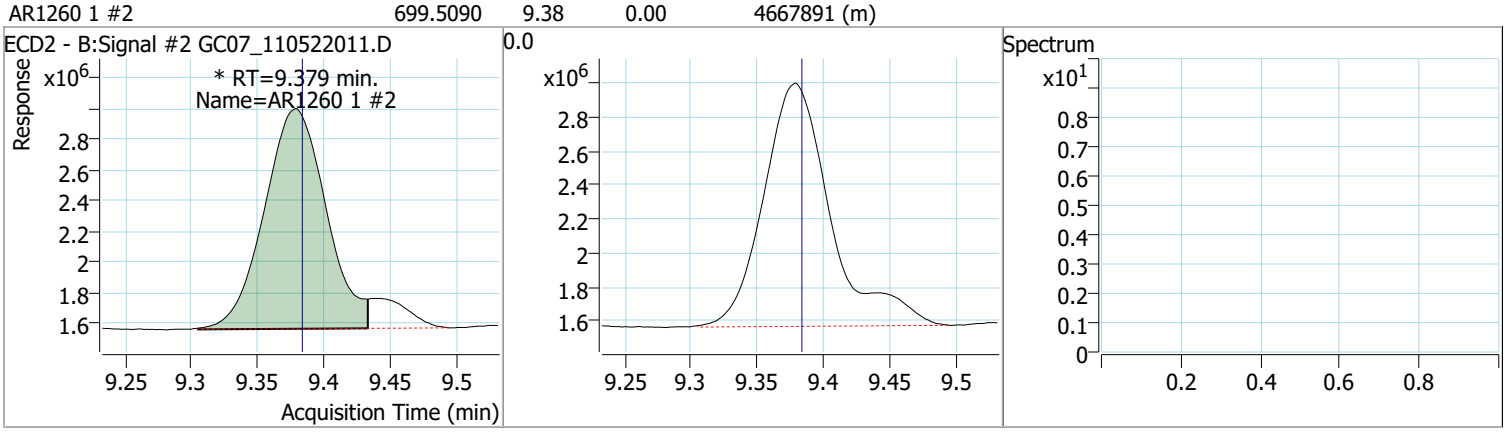
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	727.1148	8.06	0.00	10709739				



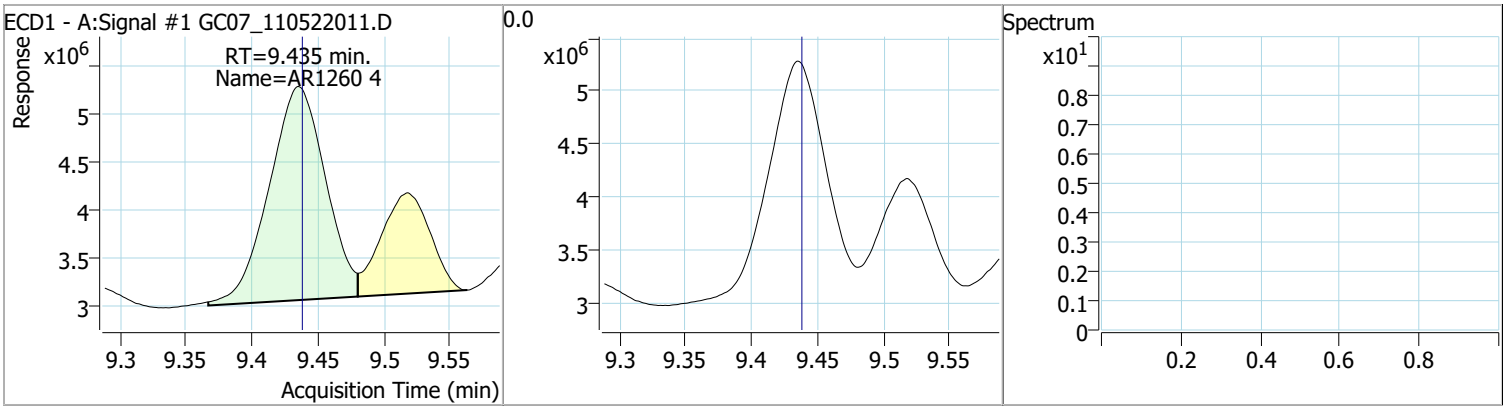
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	753.3658	8.62	0.00	11629757				



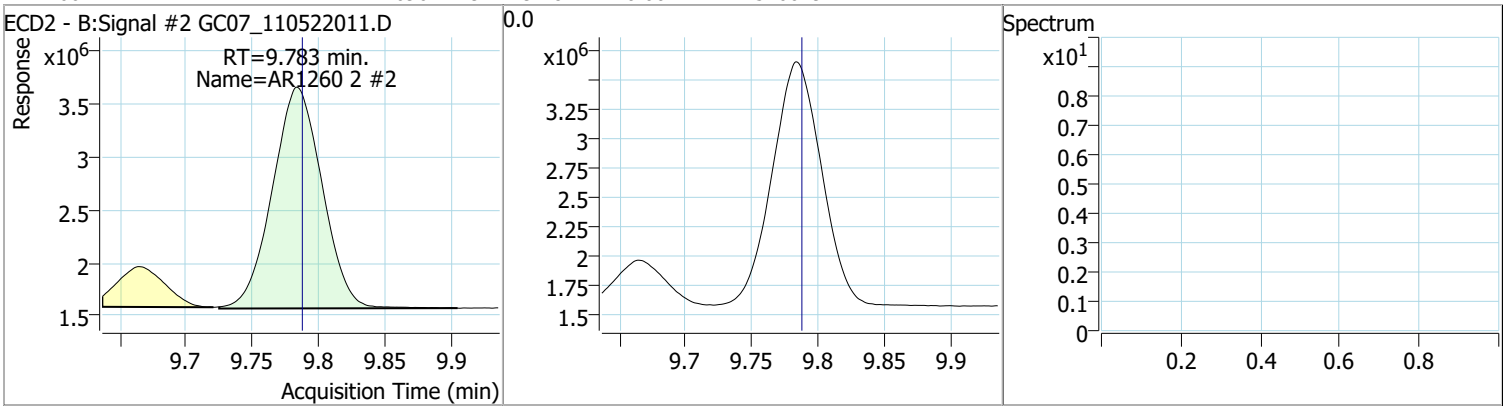
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	699.5090	9.38	0.00	4667891 (m)				



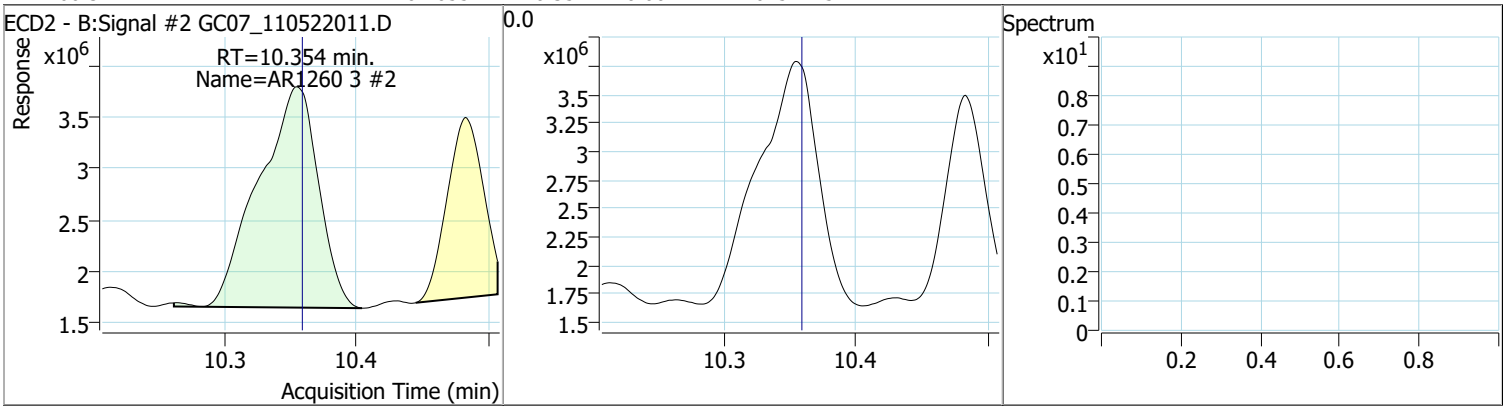
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	745.7385	9.44	0.00	6587112				



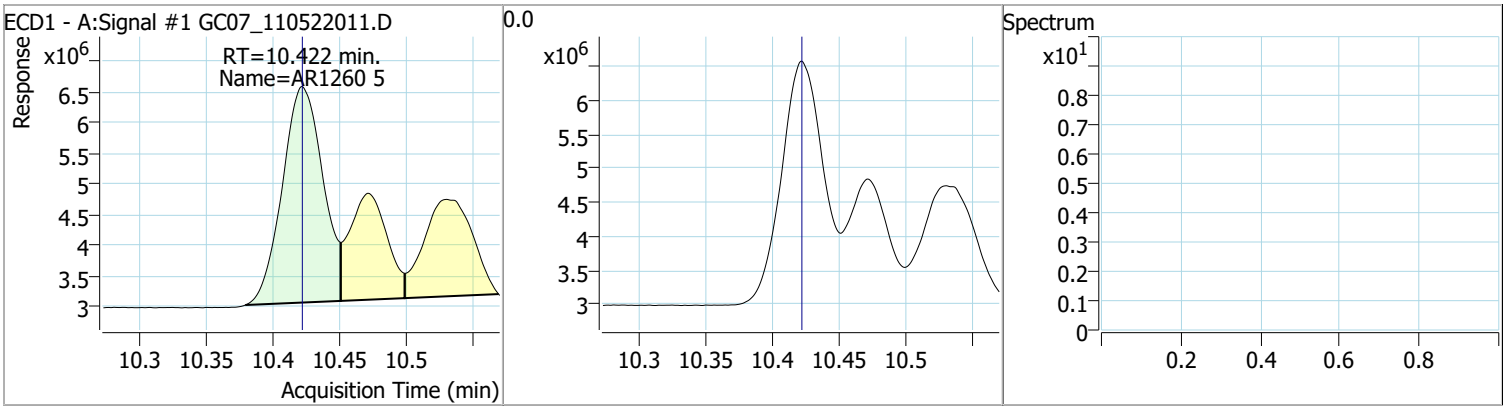
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	696.4419	9.78	0.00	5460292				



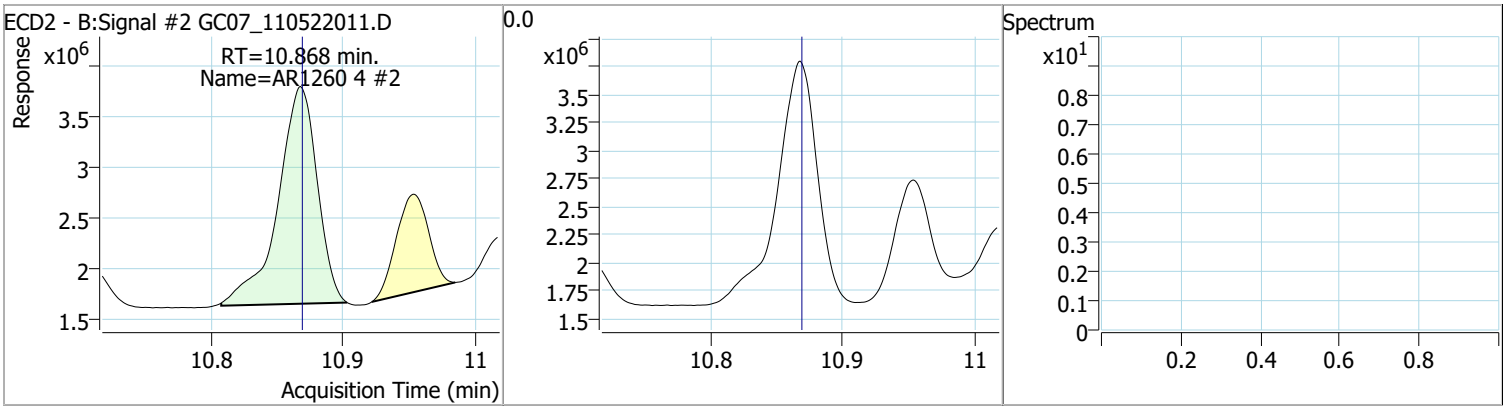
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	707.0554	10.35	0.00	6751425				



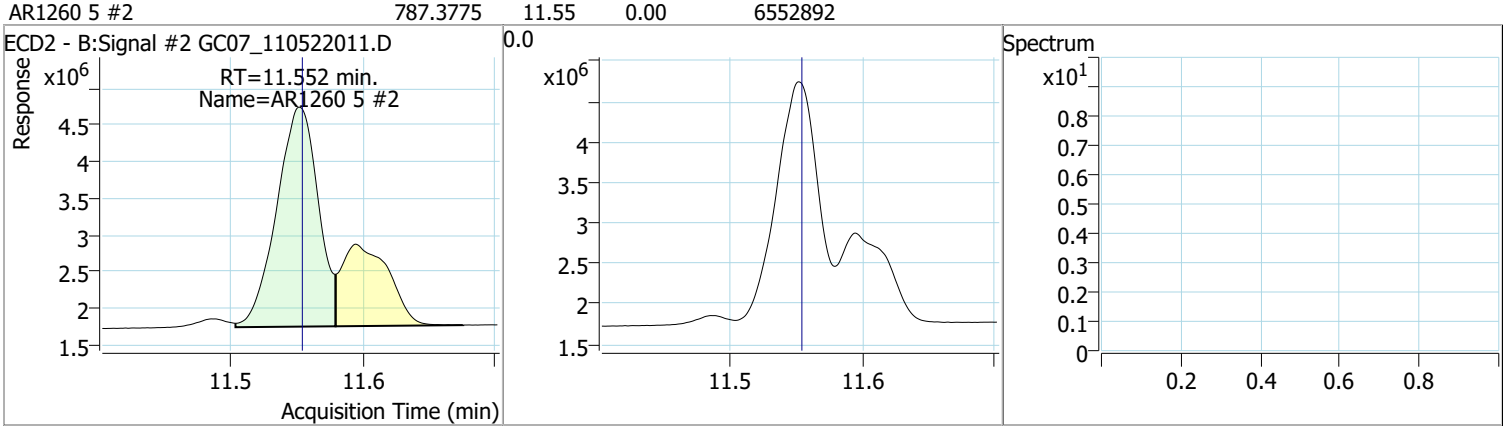
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	693.3573	10.42	0.00	7477086				



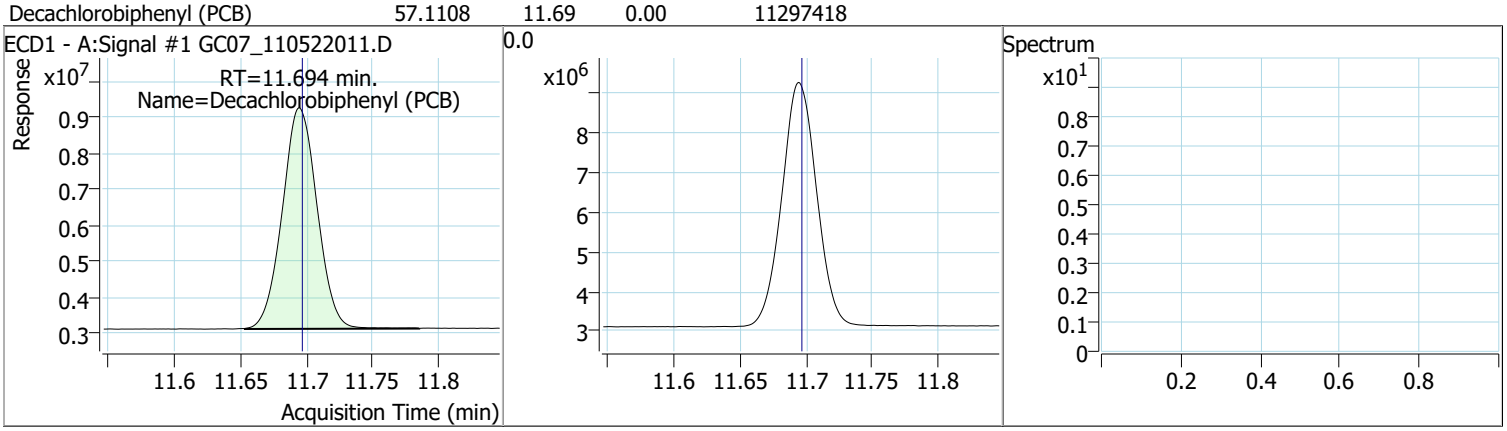
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	725.1286	10.87	0.00	4428005				



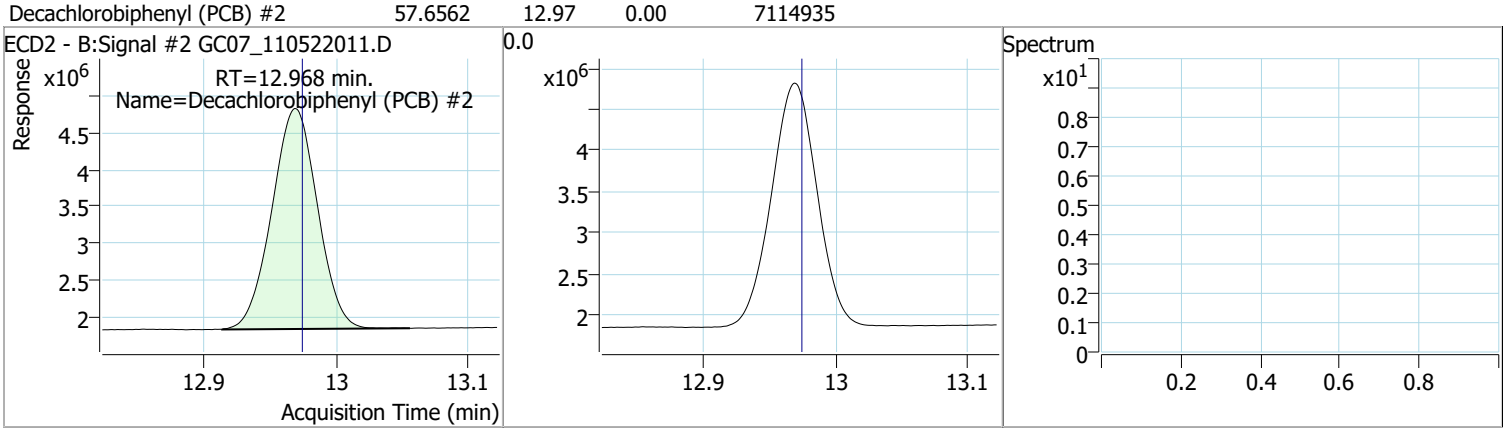
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	787.3775	11.55	0.00	6552892				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	57.1108	11.69	0.00	11297418				

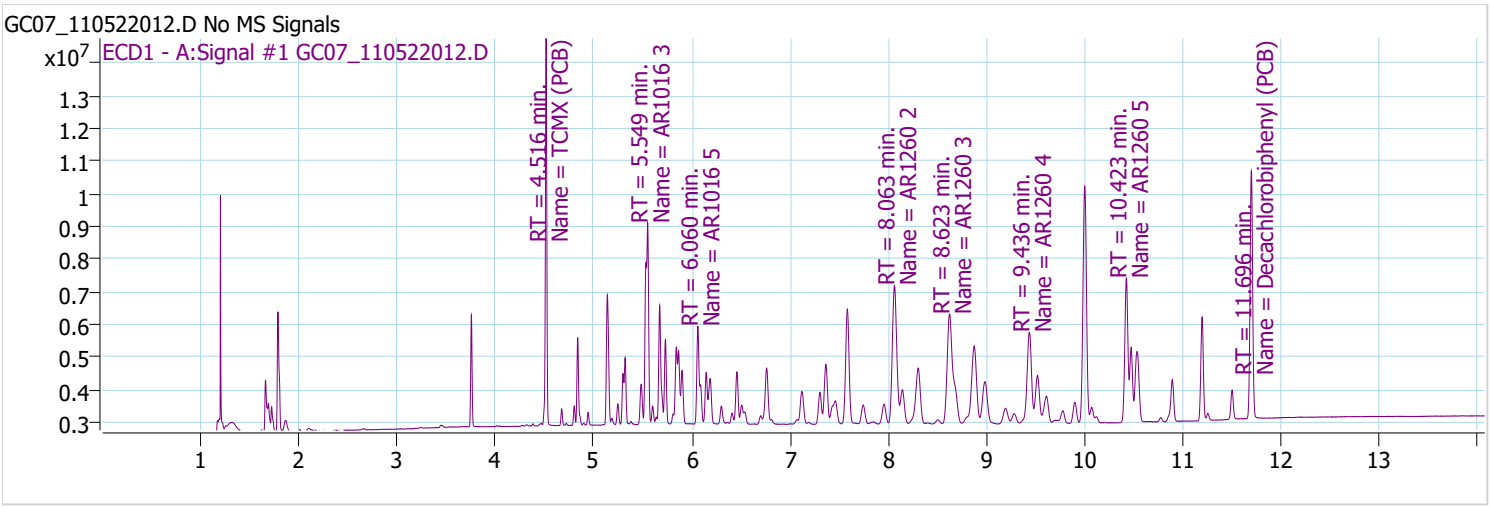


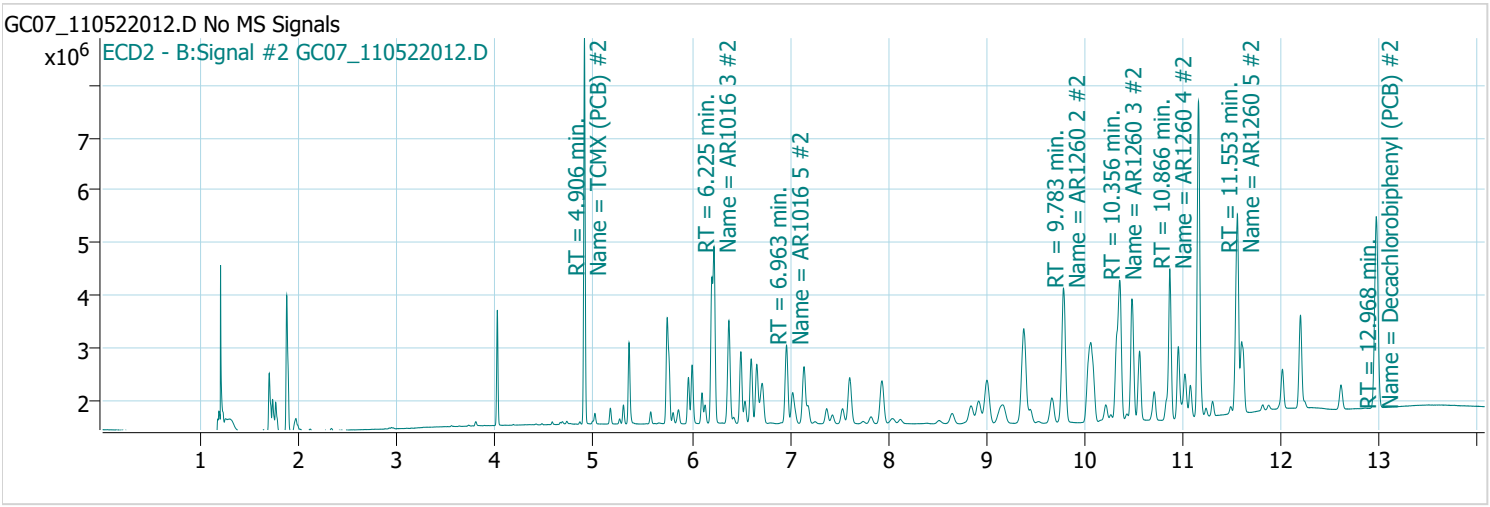
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	57.6562	12.97	0.00	7114935				



Quantitation Results Report (Not Reviewed)

Data File	GC07_110522012.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/5/2022 6:59:07 PM
Sample Name	ICAL, S17269	Instrument	SVOA-GC07
Vial	47	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	110522PCBICAL.batch.bin	Last Calib Update	11/6/2022 3:52:48 PM
Ref Library			



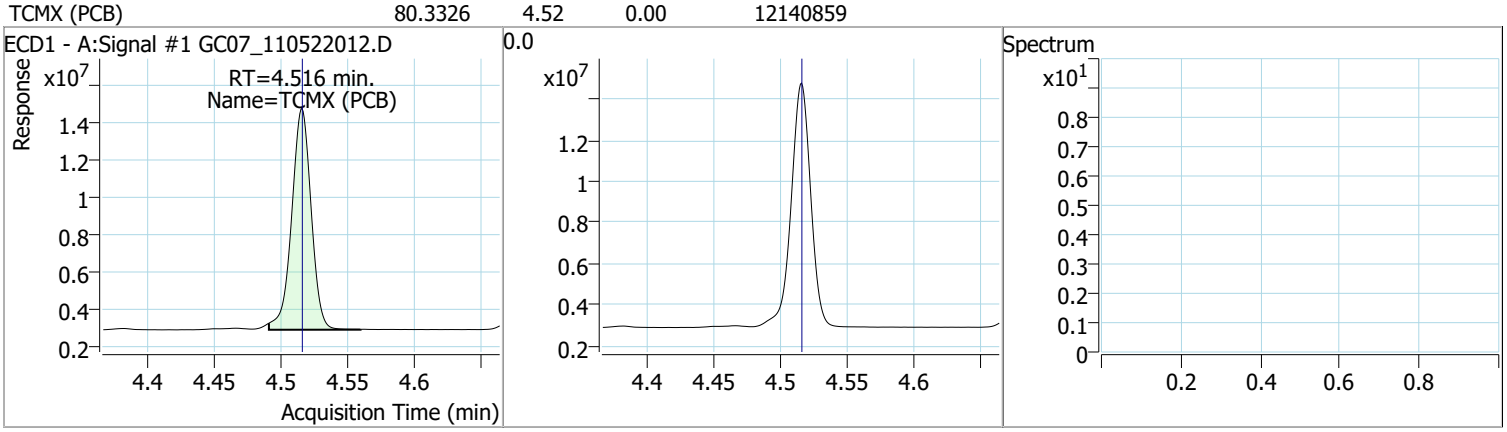


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.755	0.0	3274959.738	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.019	0.0	2052189.936	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.516	0.0	12140859.290	80.3326	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 401.66%		*	
S TCMX (PCB) #2	4.906	0.0	7577897.281	79.7237	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 398.62%		*	
S Decachlorobiphenyl (PCB)	11.696	0.0	13998998.614	71.1914	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 355.96%		*	
S Decachlorobiphenyl (PCB) #2	12.968	0.0	8835825.691	72.1117	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 360.56%		*	
Target Compounds							QValue

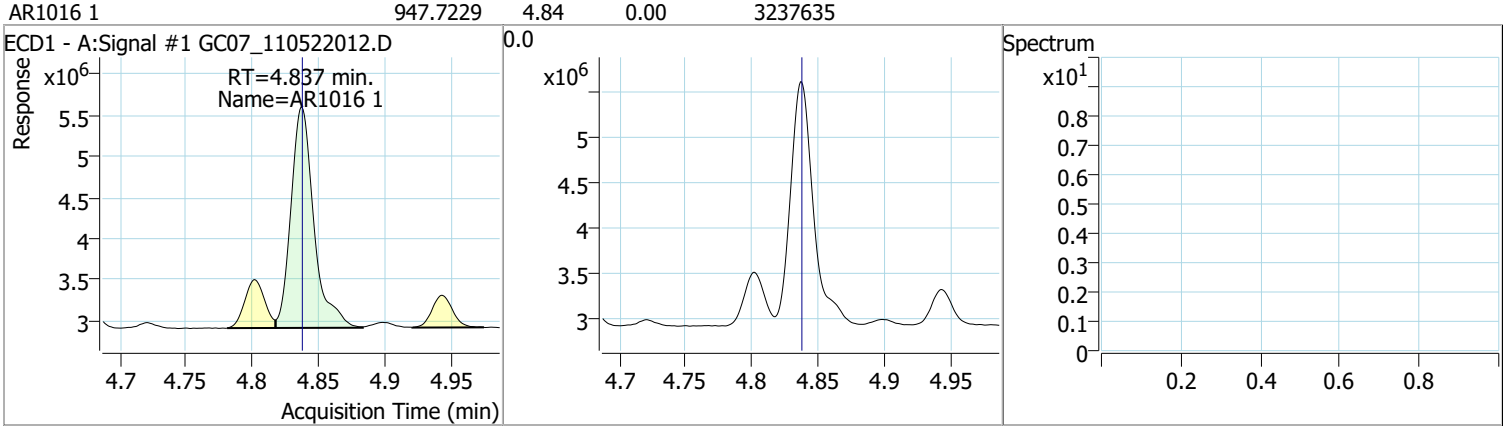
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.837	0.0	3237634.828	947.7229	ng/ml		100
T AR1016 2	5.139	0.0	6220465.379	893.4854	ng/ml		100
T AR1016 1 #2	5.360	0.0	2023806.723	1052.0626	ng/ml		100
T AR1016 3	5.549	0.0	8076173.744	949.0112	ng/ml	m	100
T AR1016 4	5.672	0.0	5730786.217	937.4348	ng/ml		100
T AR1016 2 #2	5.748	0.0	4105334.110	882.8938	ng/ml		100
T AR1016 5	6.060	0.0	4629082.747	920.9310	ng/ml	m	100
T AR1016 3 #2	6.225	0.0	5212076.339	905.9934	ng/ml	m	100
T AR1016 4 #2	6.377	0.0	3603264.400	895.8099	ng/ml		100
T AR1016 5 #2	6.963	0.0	2990912.086	895.8263	ng/ml		100
T AR1260 1	7.583	0.0	8630883.137	912.7252	ng/ml		100
T AR1260 2	8.063	0.0	13186436.909	900.6225	ng/ml		100
T AR1260 3	8.623	0.0	14328447.107	933.7393	ng/ml		100
T AR1260 1 #2	9.379	0.0	5803226.504	875.8409	ng/ml	m	100
T AR1260 4	9.436	0.0	8092008.748	921.5928	ng/ml		100
T AR1260 2 #2	9.783	0.0	6739519.160	865.7272	ng/ml		100
T AR1260 3 #2	10.356	0.0	8413443.497	887.3908	ng/ml		100
T AR1260 5	10.423	0.0	9465973.743	883.0418	ng/ml		100
T AR1260 4 #2	10.866	0.0	5460723.507	900.6172	ng/ml		100
T AR1260 5 #2	11.553	0.0	8171637.732	997.5524	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

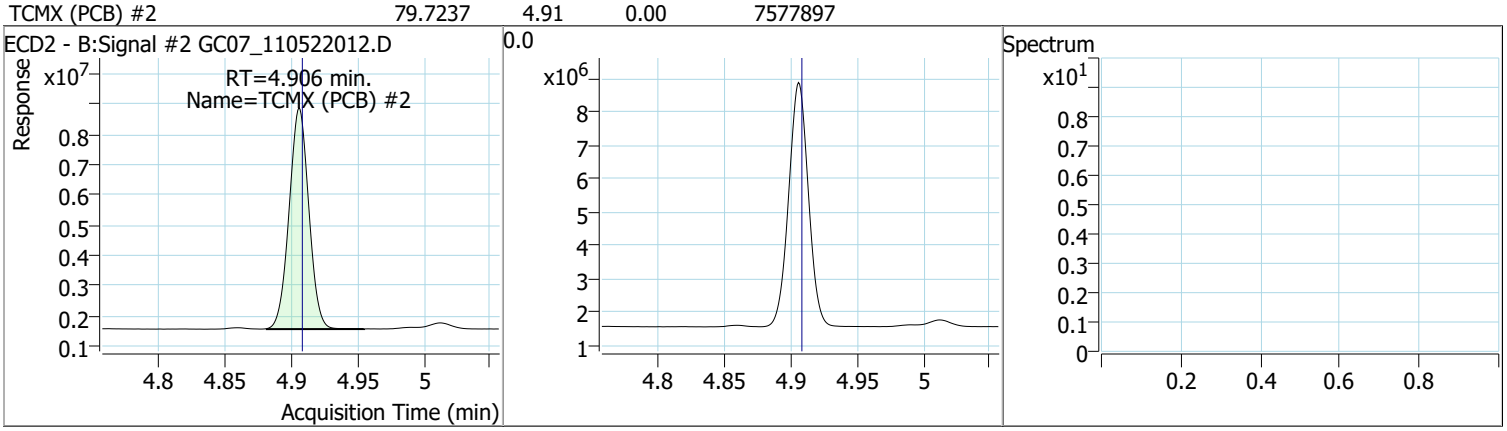
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	80.3326	4.52	0.00	12140859				



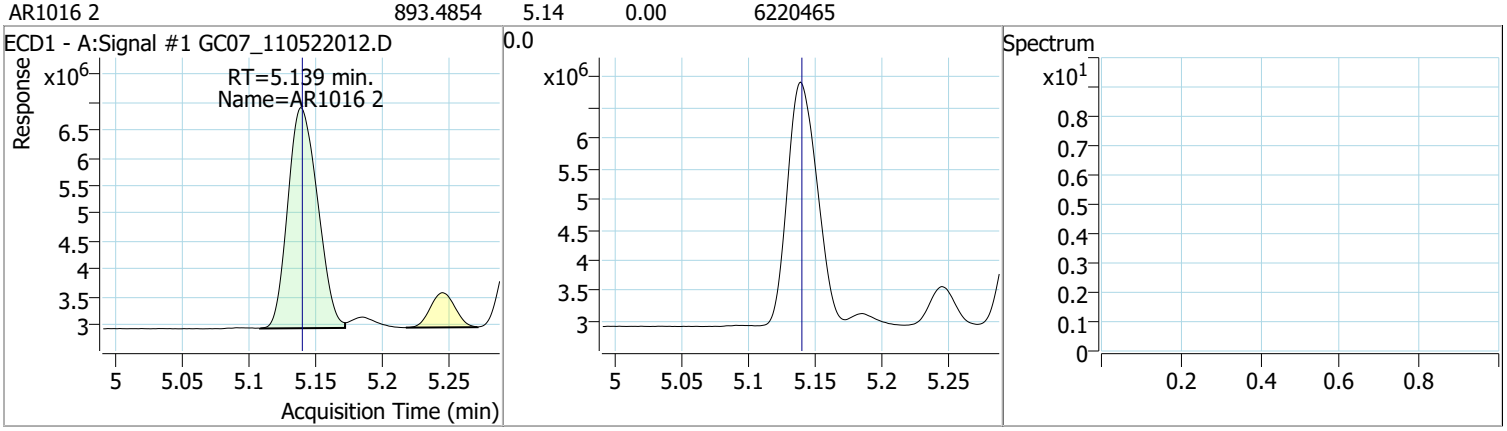
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	947.7229	4.84	0.00	3237635				



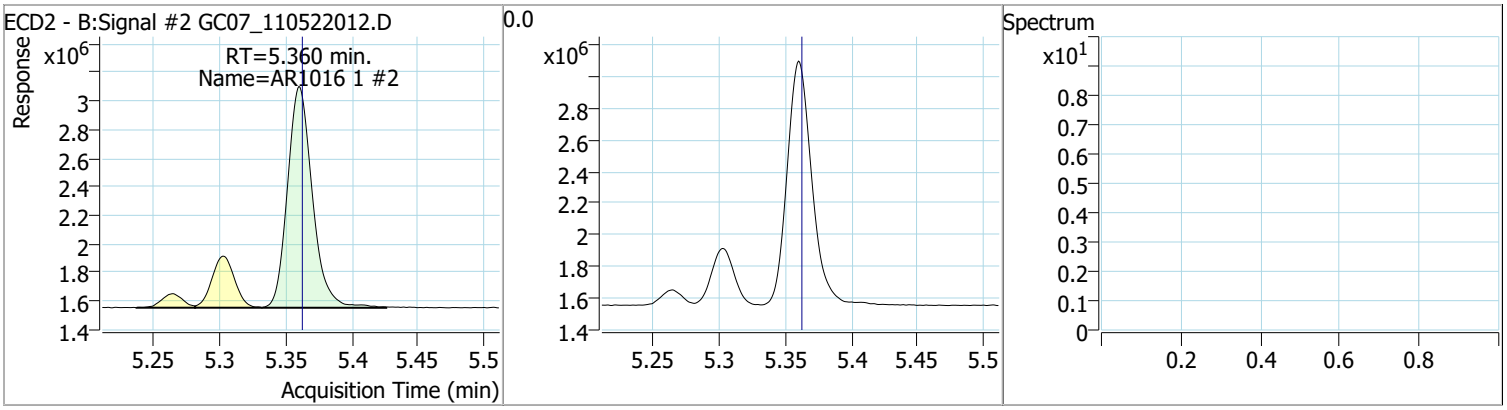
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	79.7237	4.91	0.00	7577897				



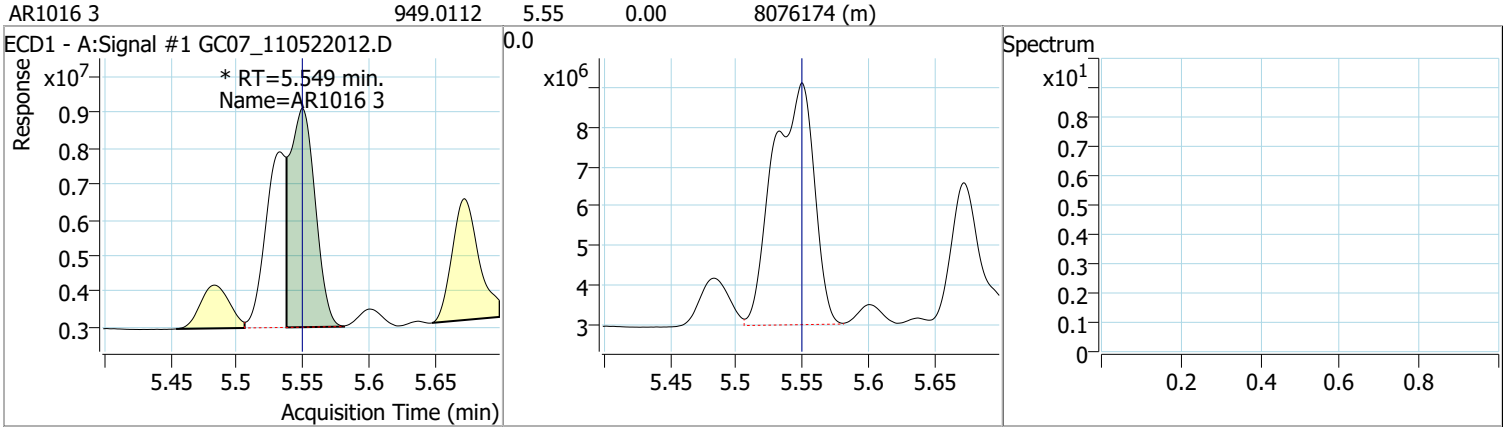
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	893.4854	5.14	0.00	6220465				



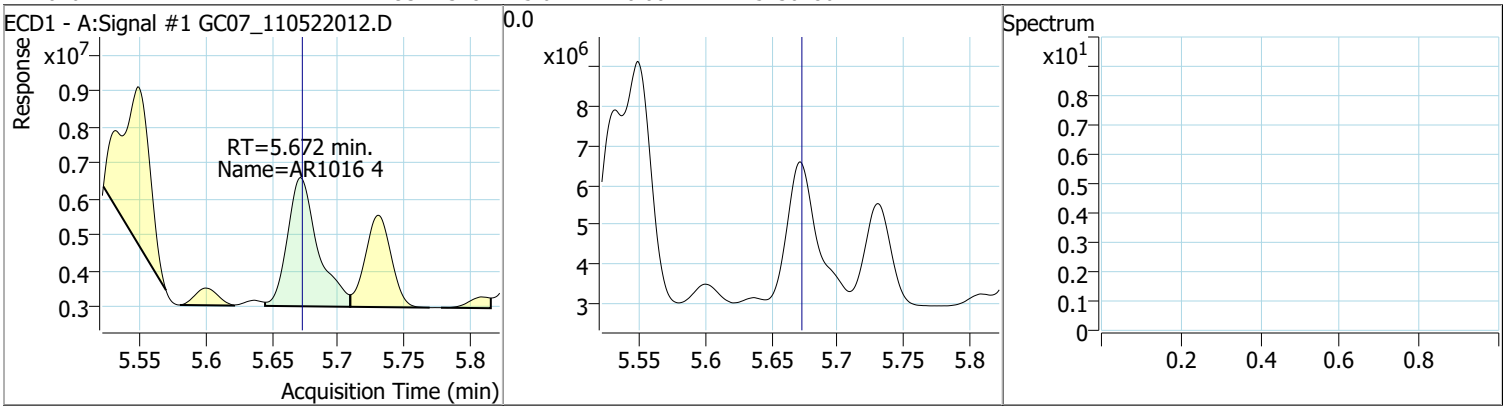
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1052.0626	5.36	0.00	2023807				



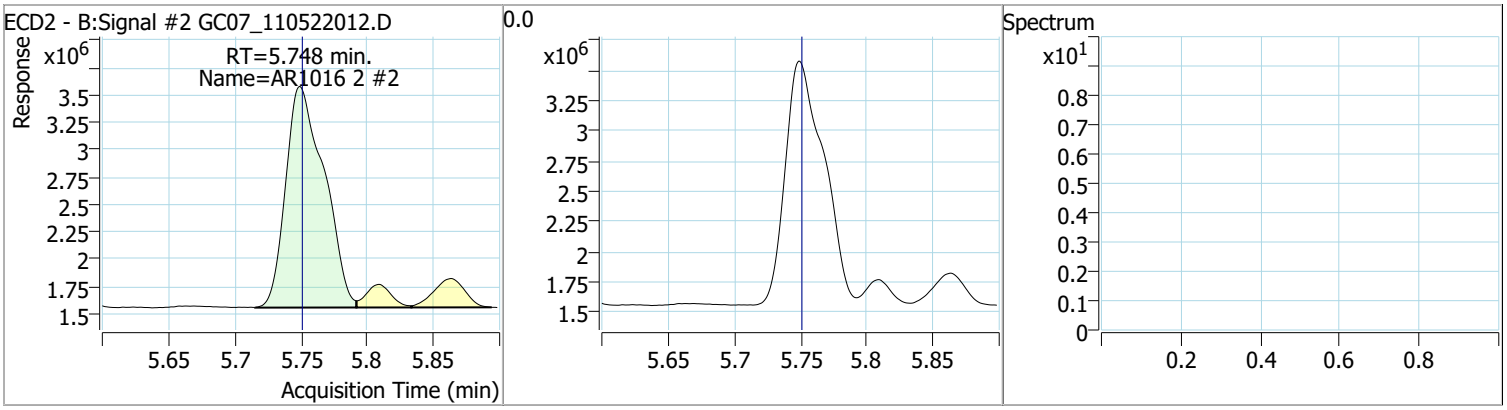
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	949.0112	5.55	0.00	8076174 (m)				



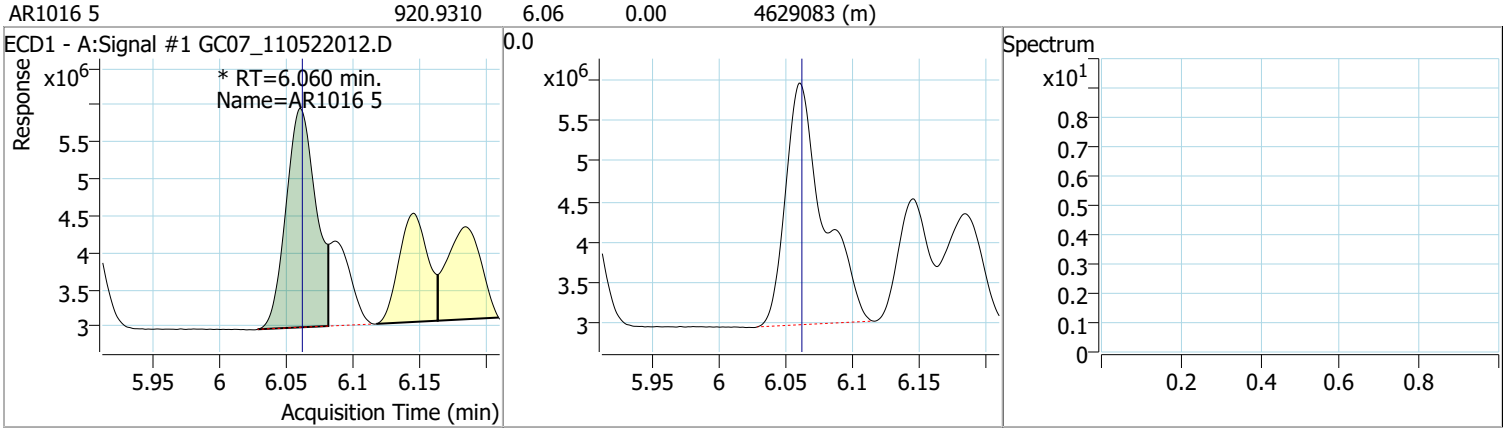
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	937.4348	5.67	0.00	5730786				



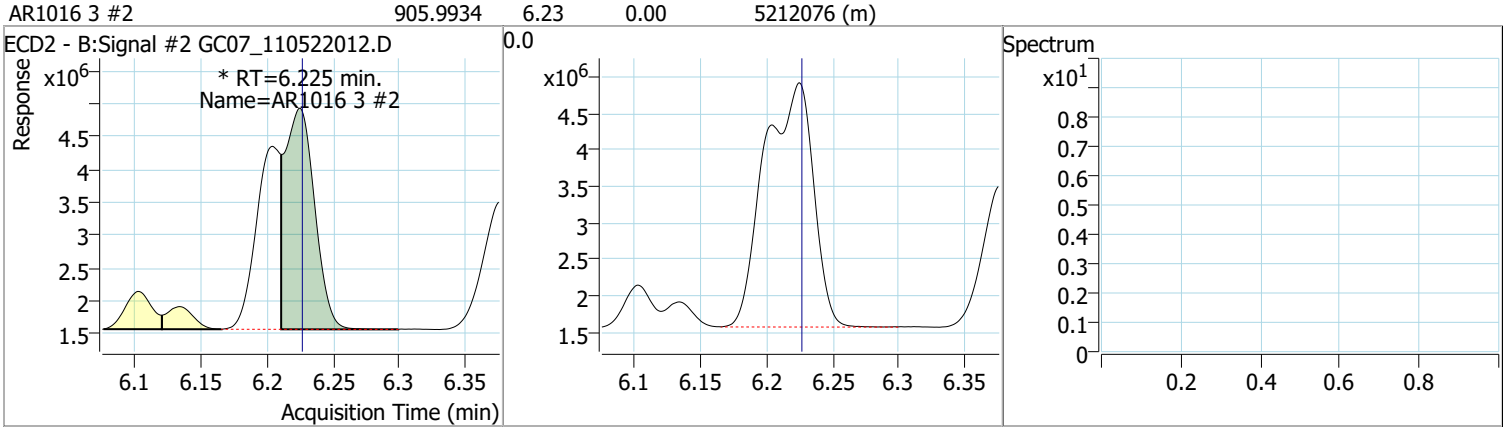
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	882.8938	5.75	0.00	4105334				



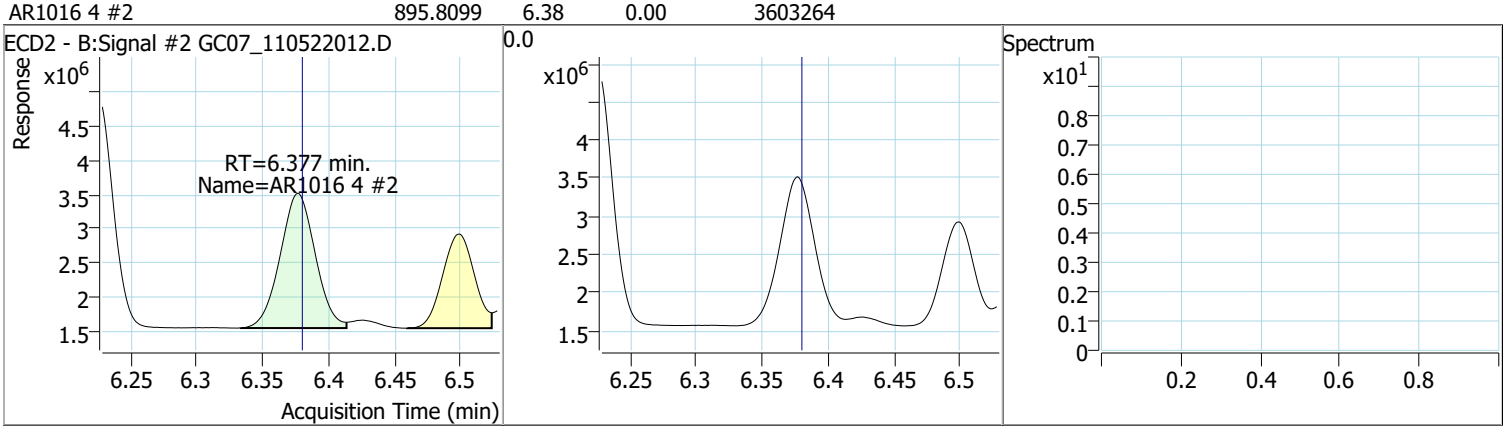
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	920.9310	6.06	0.00	4629083 (m)				



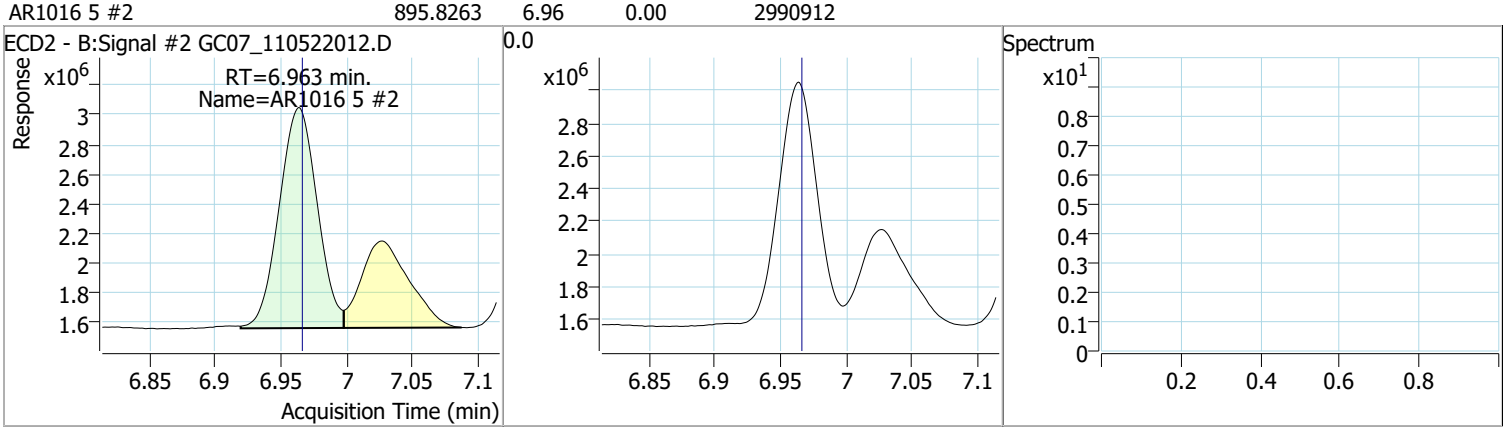
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	905.9934	6.23	0.00	5212076 (m)				



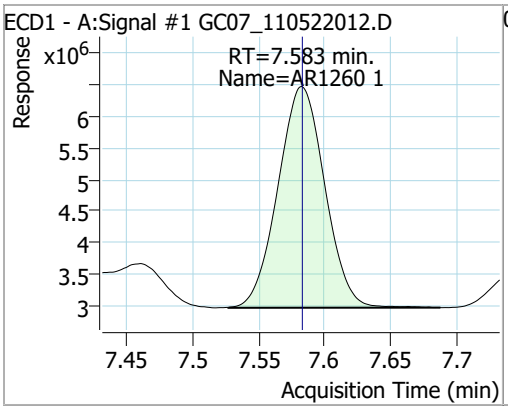
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	895.8099	6.38	0.00	3603264				

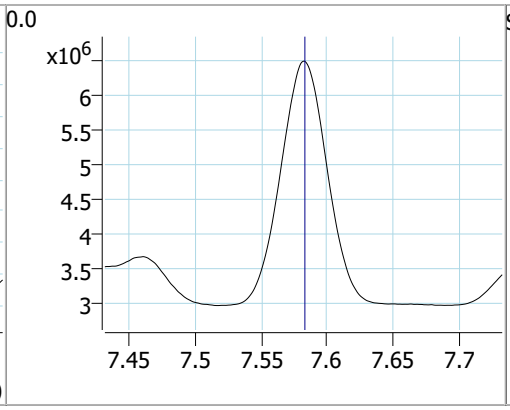


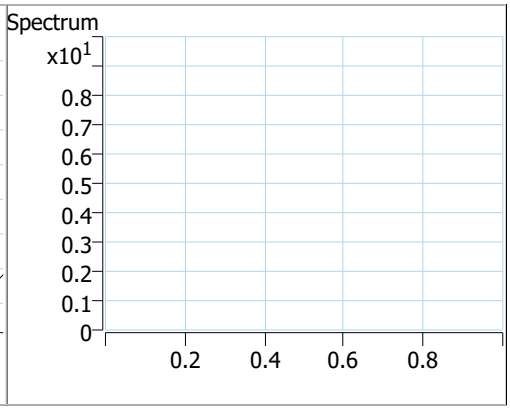
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	895.8263	6.96	0.00	2990912				



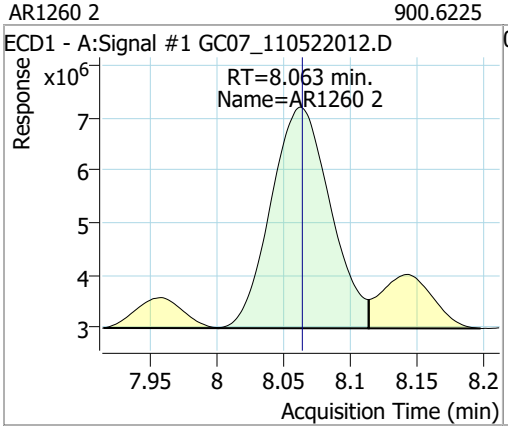
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	912.7252	7.58	0.00	8630883				

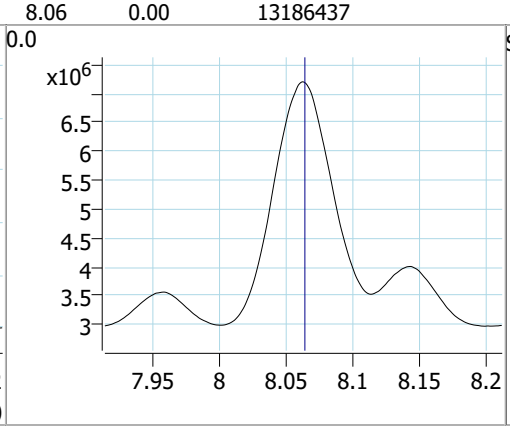


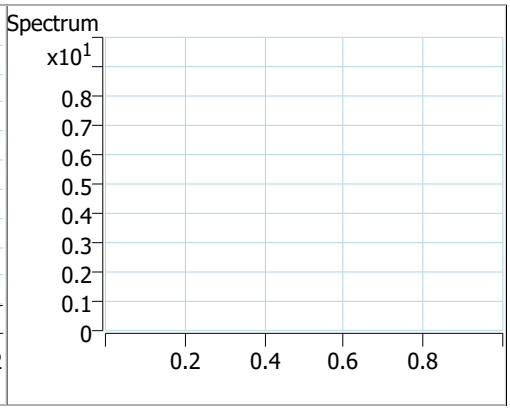




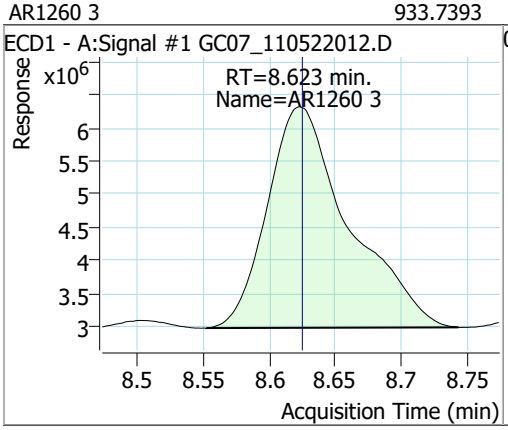
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	900.6225	8.06	0.00	13186437				

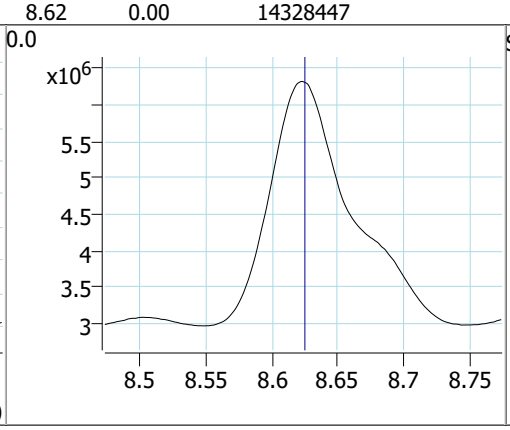


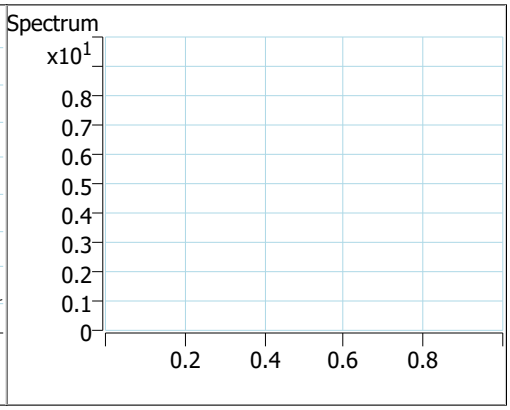




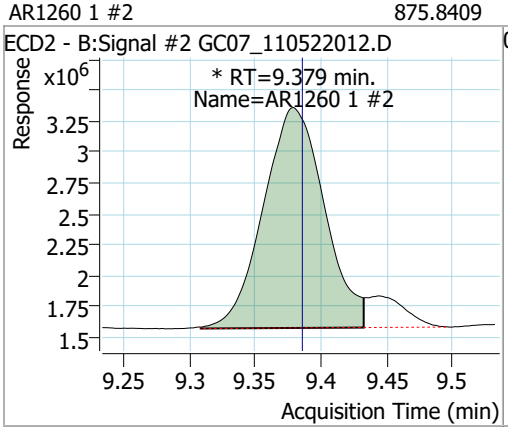
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	933.7393	8.62	0.00	14328447				

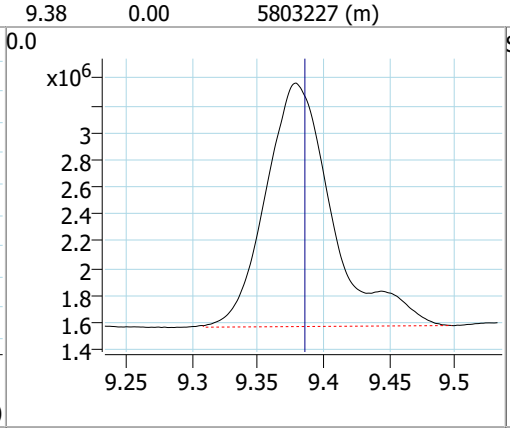


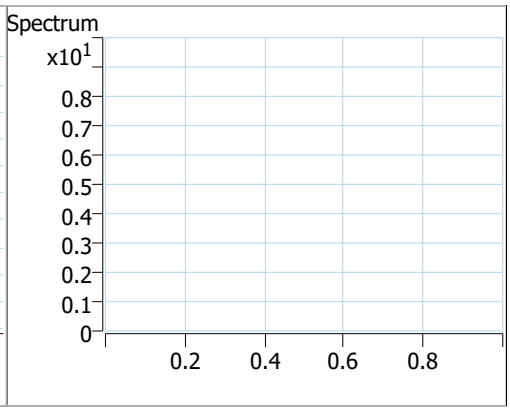




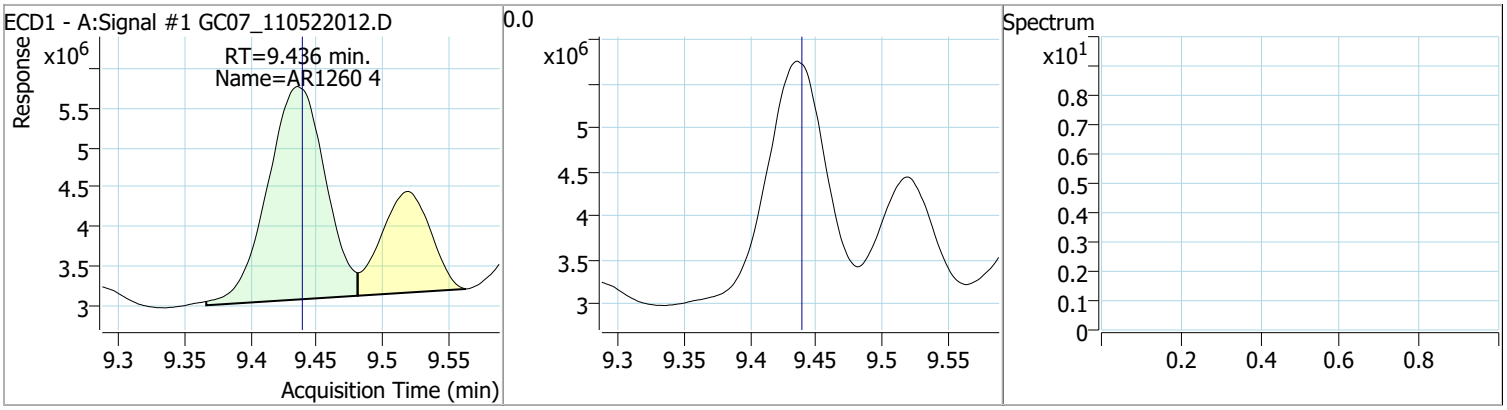
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	875.8409	9.38	0.00	5803227 (m)				



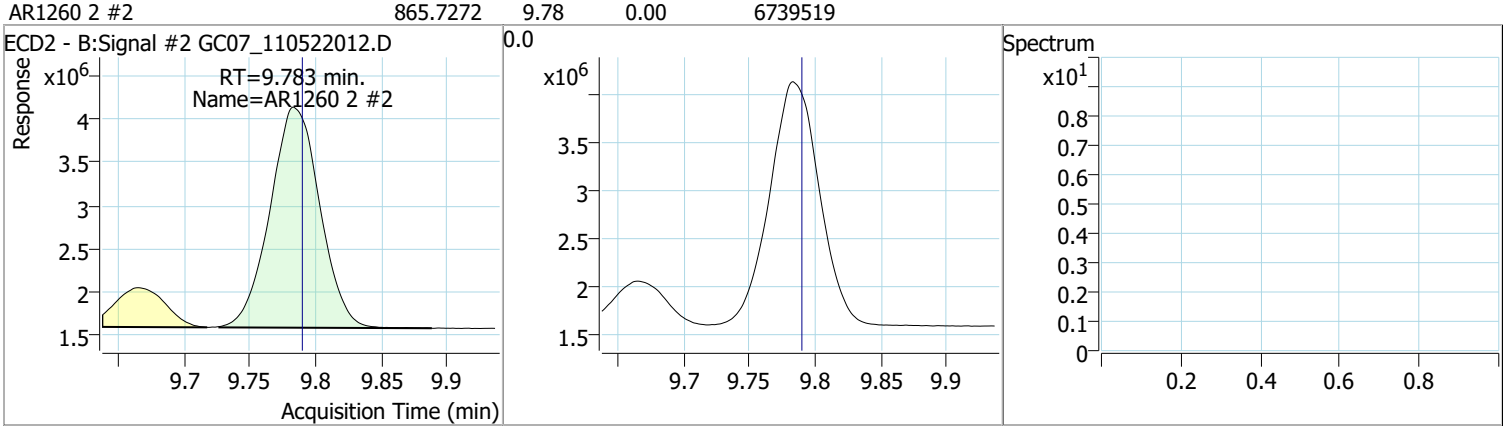




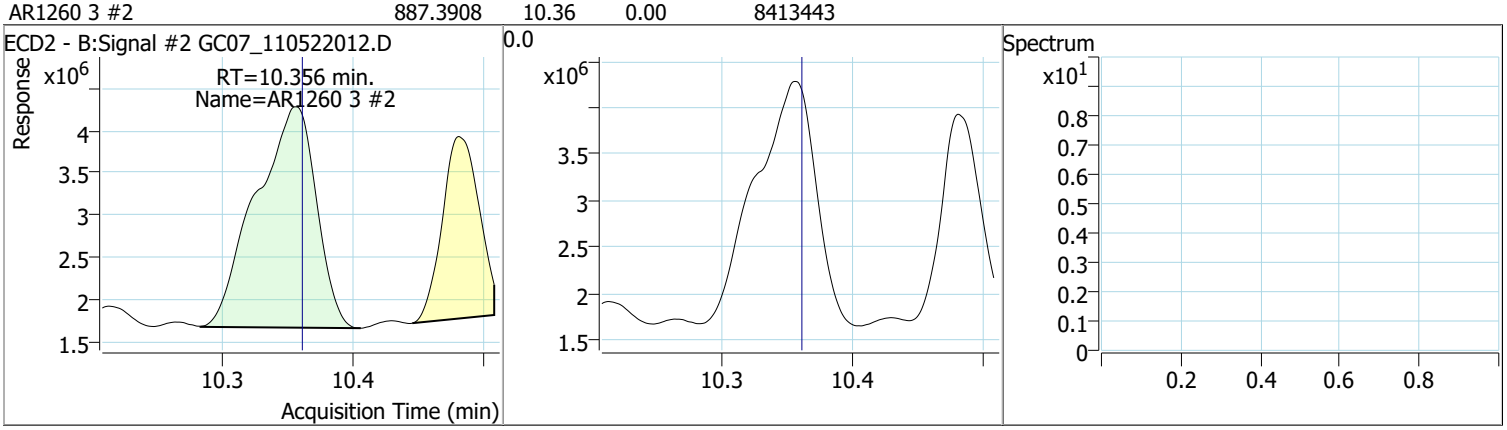
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	921.5928	9.44	0.00	8092009				



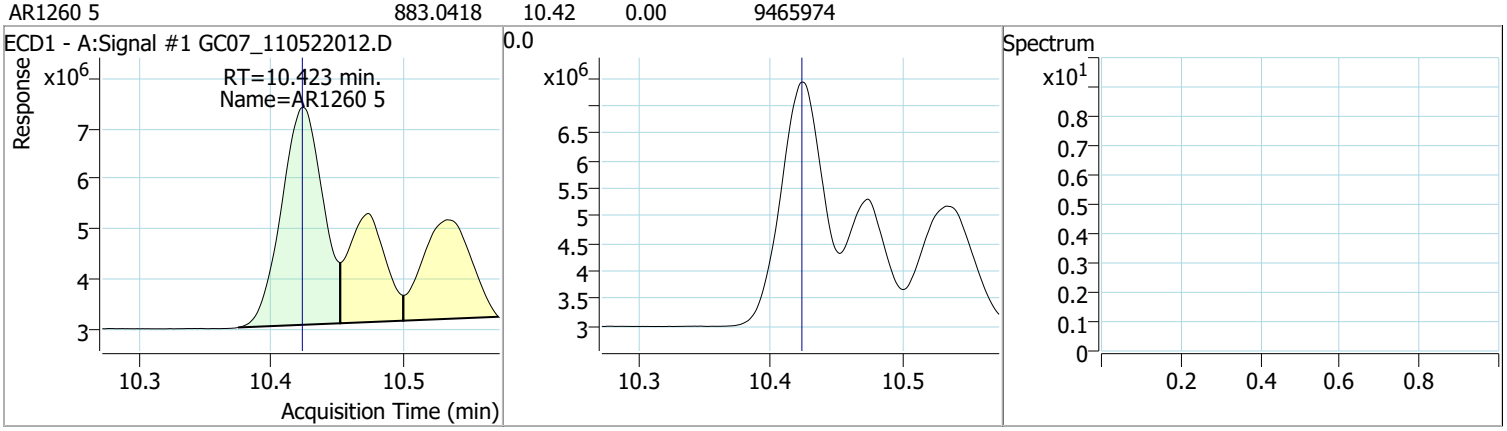
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	865.7272	9.78	0.00	6739519				



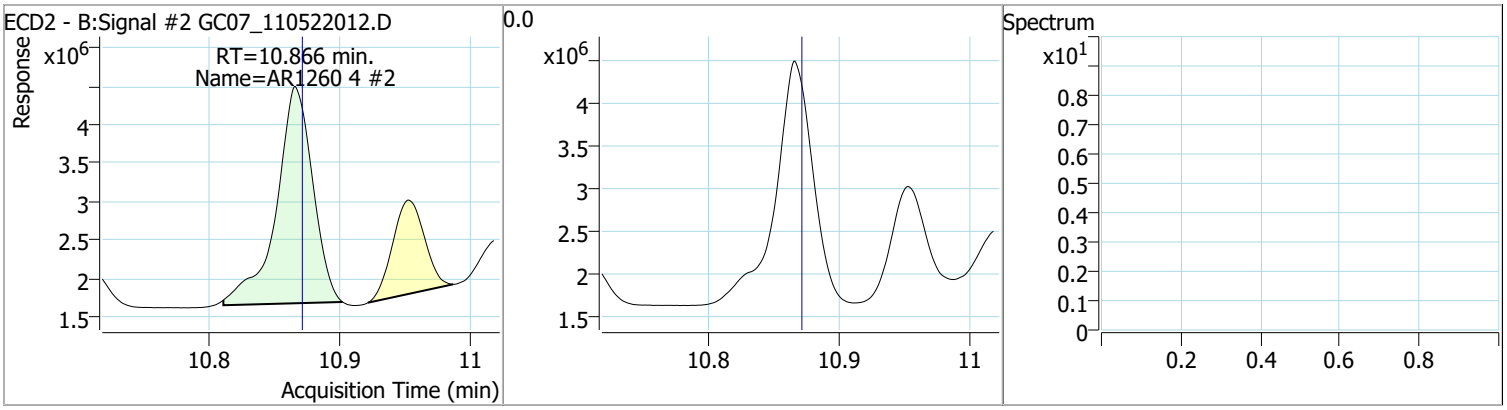
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	887.3908	10.36	0.00	8413443				



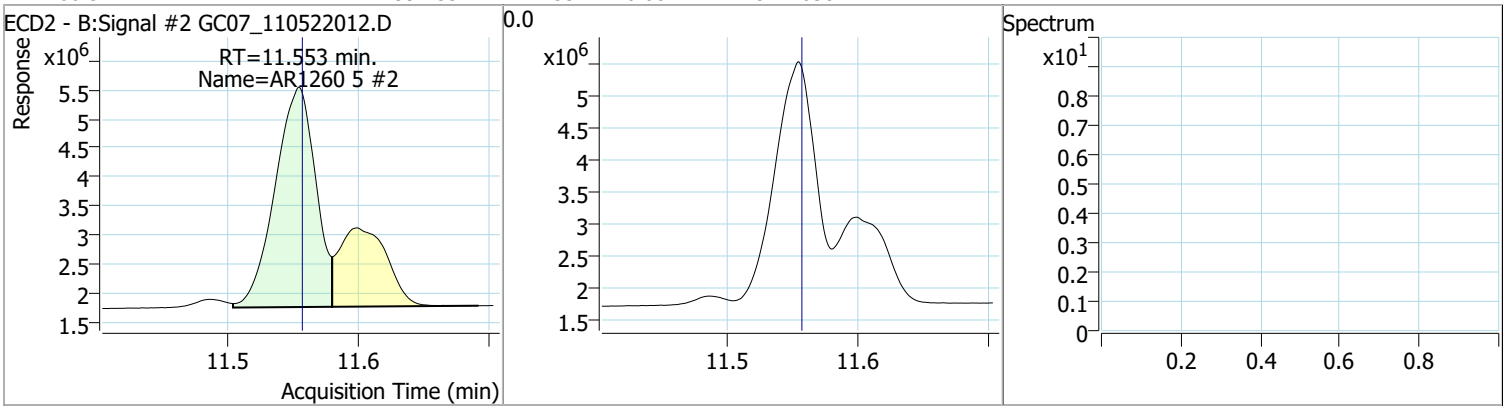
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	883.0418	10.42	0.00	9465974				



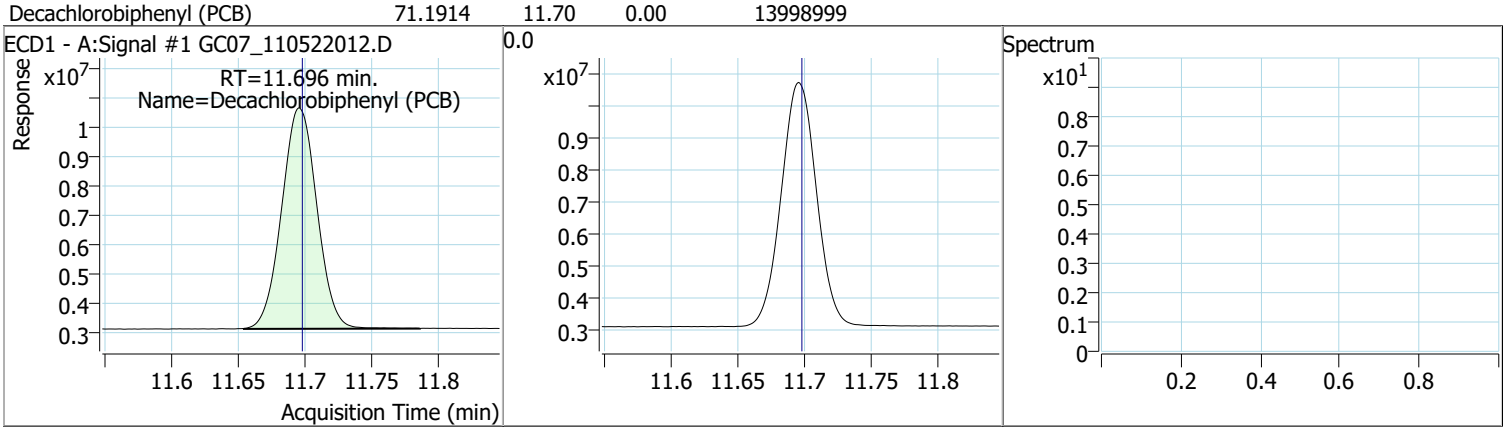
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	900.6172	10.87	0.00	5460724				



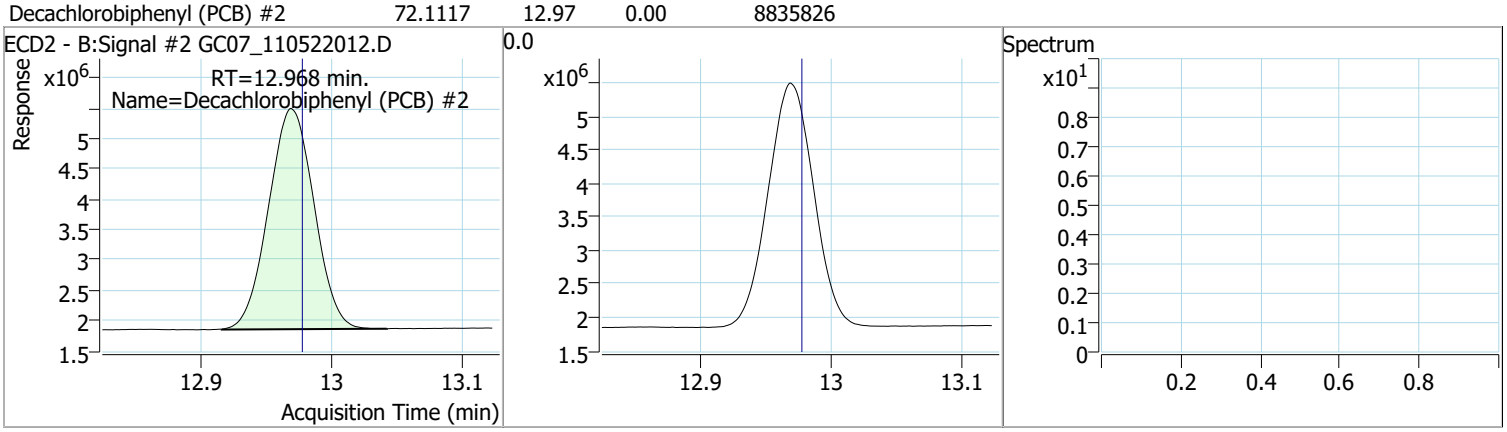
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	997.5524	11.55	0.00	8171638				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	71.1914	11.70	0.00	13998999				

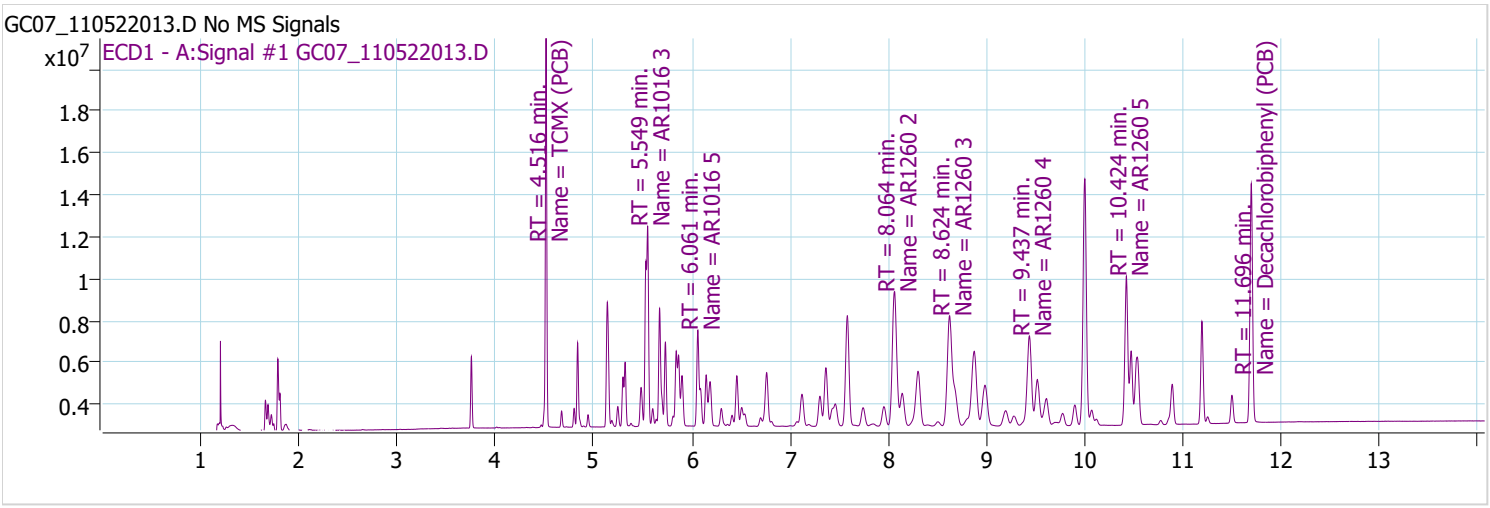


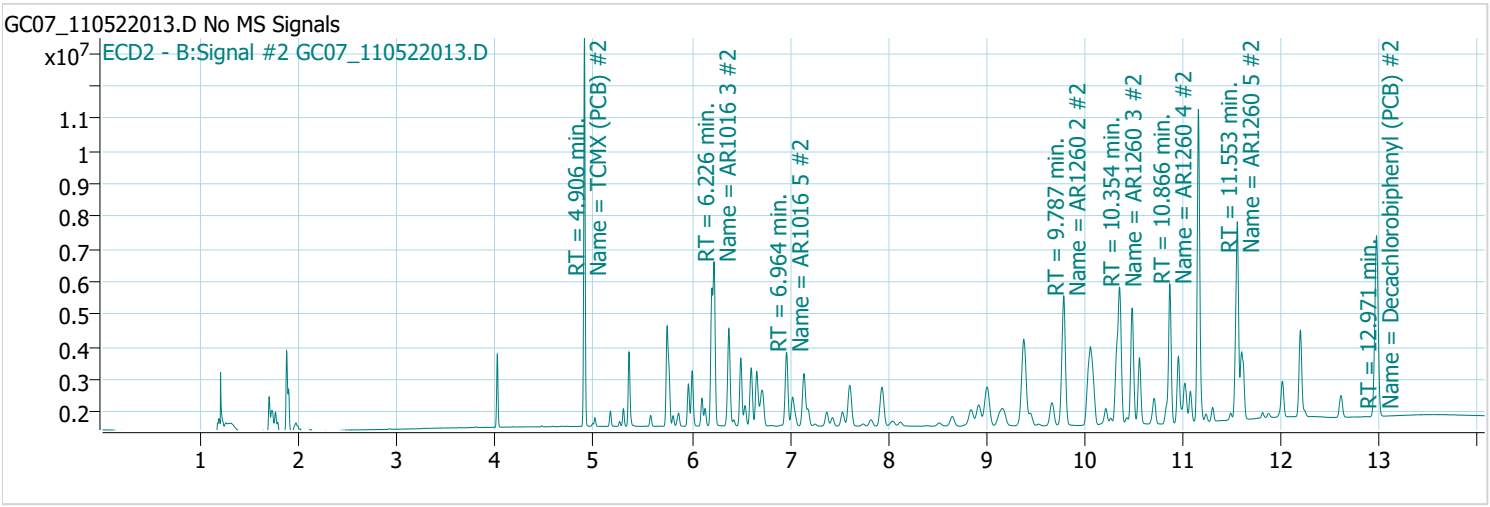
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	72.1117	12.97	0.00	8835826				



Quantitation Results Report (Not Reviewed)

Data File	GC07_110522013.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/5/2022 7:16:26 PM
Sample Name	ICAL, S17270	Instrument	SVOA-GC07
Vial	48	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	110522PCBICAL.batch.bin	Last Calib Update	11/6/2022 3:52:48 PM
Ref Library			



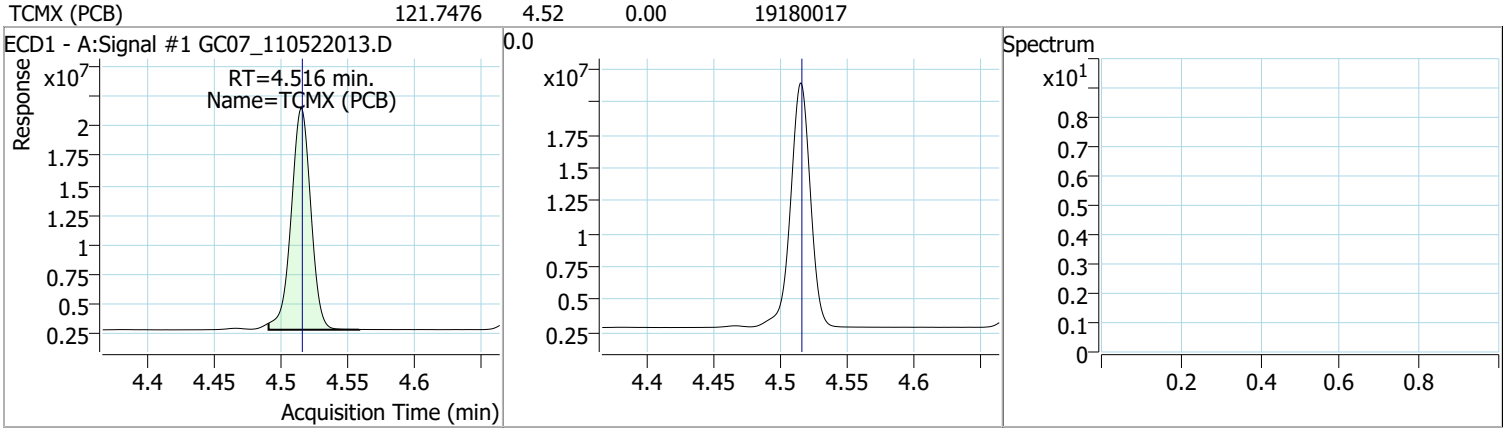


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.755	0.0	3413793.750	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.019	0.0	2139288.541	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.516	0.0	19180017.270	121.7476	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 608.74%		*	
S TCMX (PCB) #2	4.906	0.0	12133359.453	122.4526	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 612.26%		*	
S Decachlorobiphenyl (PCB)	11.696	0.0	21333610.581	104.0791	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 520.40%		*	
S Decachlorobiphenyl (PCB) #2	12.971	0.0	13289456.414	104.0432	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 520.22%		*	
Target Compounds							QValue

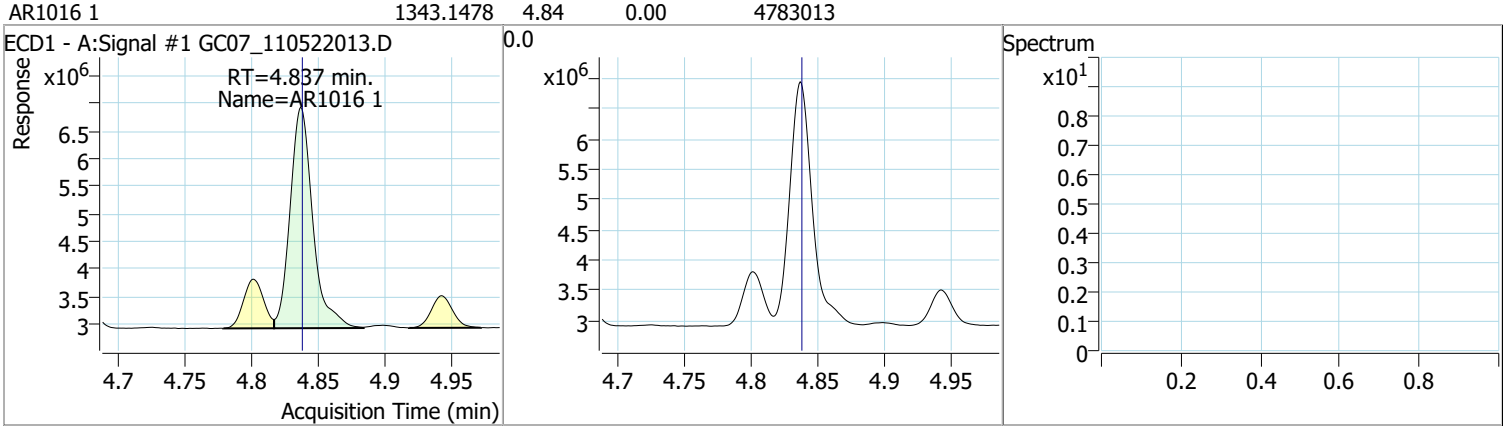
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.837	0.0	4783013.351	1343.1478	ng/ml		100
T AR1016 2	5.139	0.0	9323232.839	1284.6942	ng/ml		100
T AR1016 1 #2	5.360	0.0	2969700.207	1502.4939	ng/ml		100
T AR1016 3	5.549	0.0	12442797.626	1402.6600	ng/ml	m	100
T AR1016 4	5.672	0.0	8663747.517	1359.5693	ng/ml		100
T AR1016 2 #2	5.748	0.0	6170522.335	1273.0049	ng/ml		100
T AR1016 5	6.061	0.0	7062723.622	1347.9477	ng/ml	m	100
T AR1016 3 #2	6.226	0.0	7855182.823	1309.8415	ng/ml	m	100
T AR1016 4 #2	6.377	0.0	5442351.701	1297.9397	ng/ml		100
T AR1016 5 #2	6.964	0.0	4491828.171	1290.5994	ng/ml		100
T AR1260 1	7.583	0.0	12772511.588	1295.7756	ng/ml		100
T AR1260 2	8.064	0.0	19961030.888	1307.8773	ng/ml		100
T AR1260 3	8.624	0.0	21894300.875	1368.7567	ng/ml		100
T AR1260 1 #2	9.379	0.0	8750970.516	1266.9519	ng/ml	m	100
T AR1260 4	9.437	0.0	12269433.463	1340.5281	ng/ml		100
T AR1260 2 #2	9.787	0.0	10025445.559	1235.3899	ng/ml		100
T AR1260 3 #2	10.354	0.0	12816579.286	1296.7656	ng/ml		100
T AR1260 5	10.424	0.0	14620808.534	1308.4467	ng/ml		100
T AR1260 4 #2	10.866	0.0	8594952.820	1359.8210	ng/ml		100
T AR1260 5 #2	11.553	0.0	12352403.762	1461.7839	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

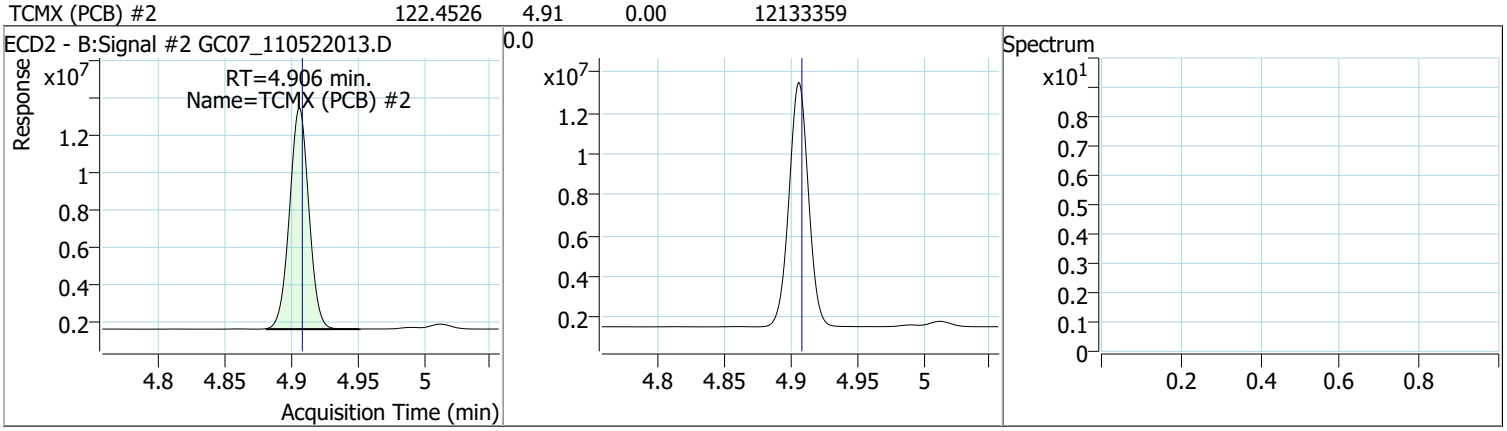
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	121.7476	4.52	0.00	19180017				



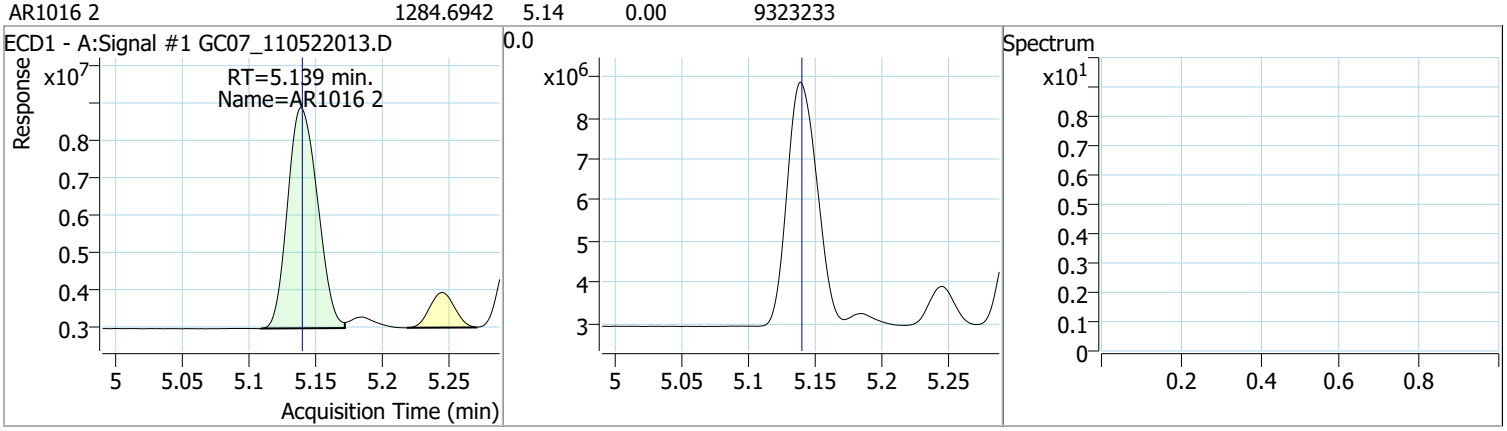
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1343.1478	4.84	0.00	4783013				



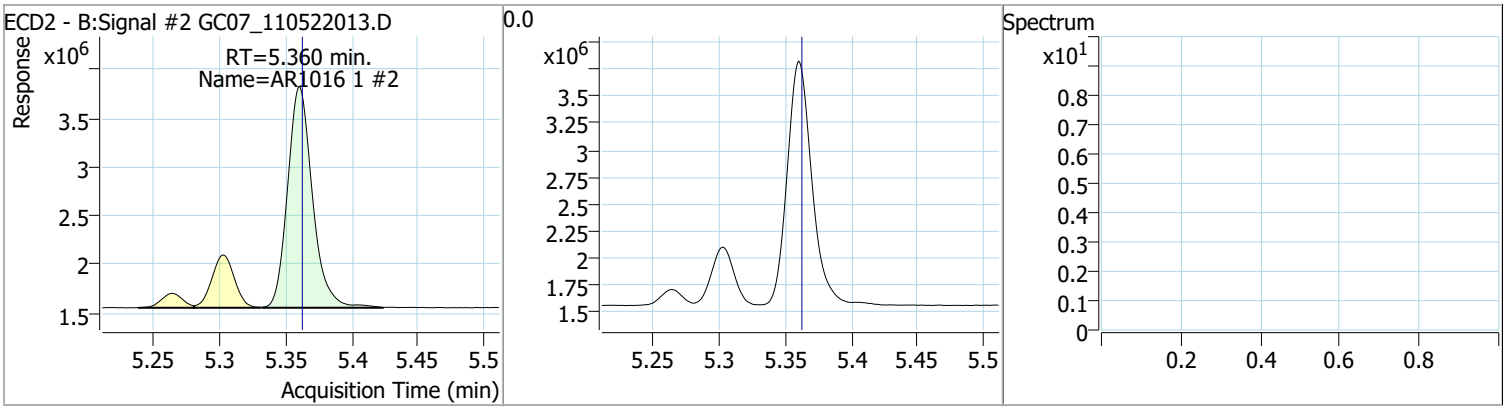
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	122.4526	4.91	0.00	12133359				



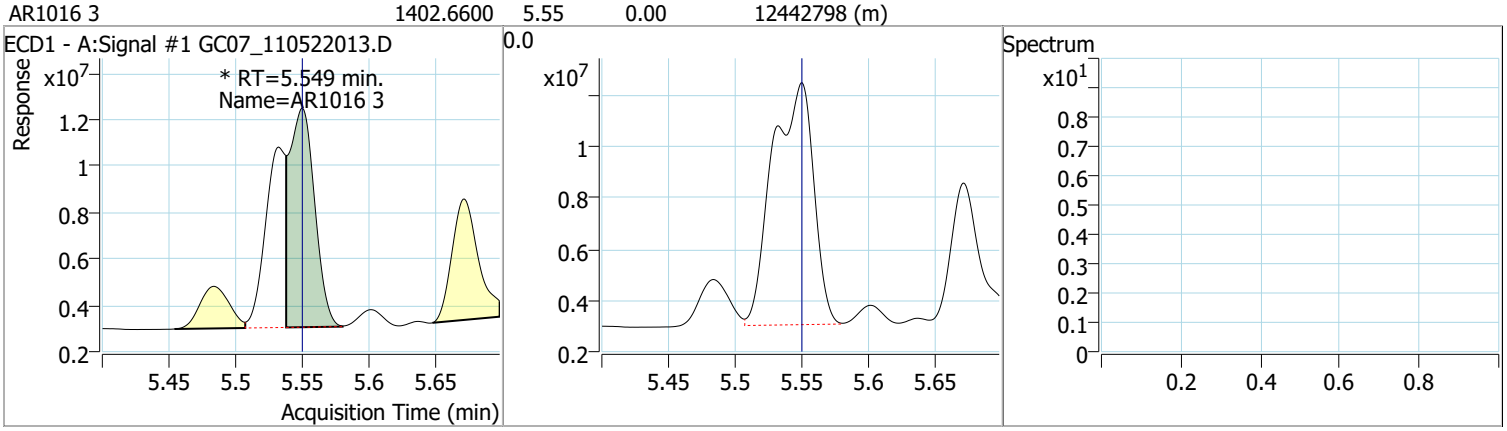
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1284.6942	5.14	0.00	9323233				



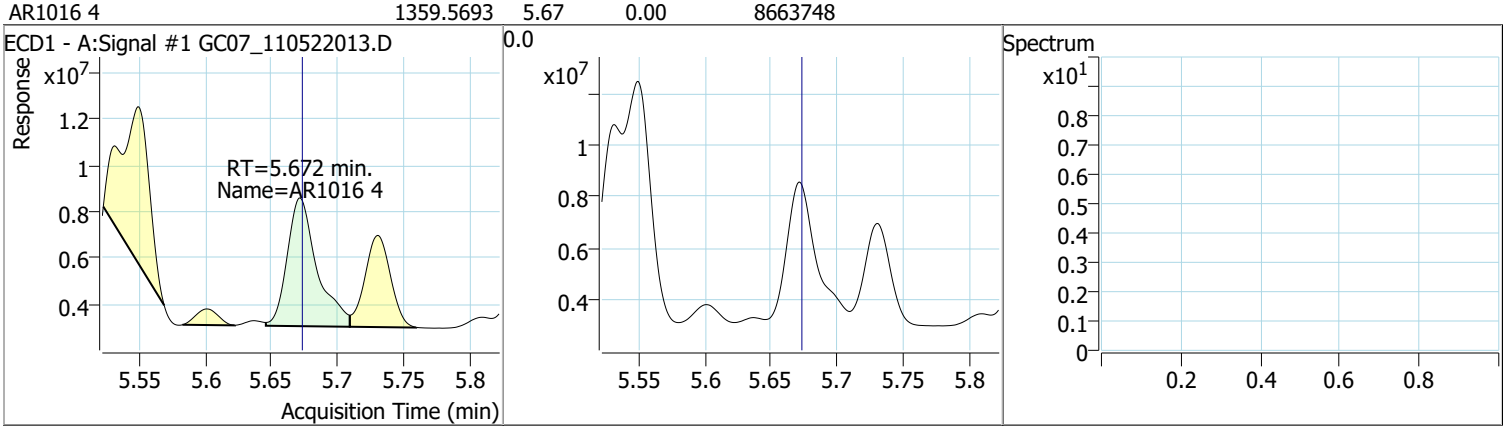
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1502.4939	5.36	0.00	2969700				



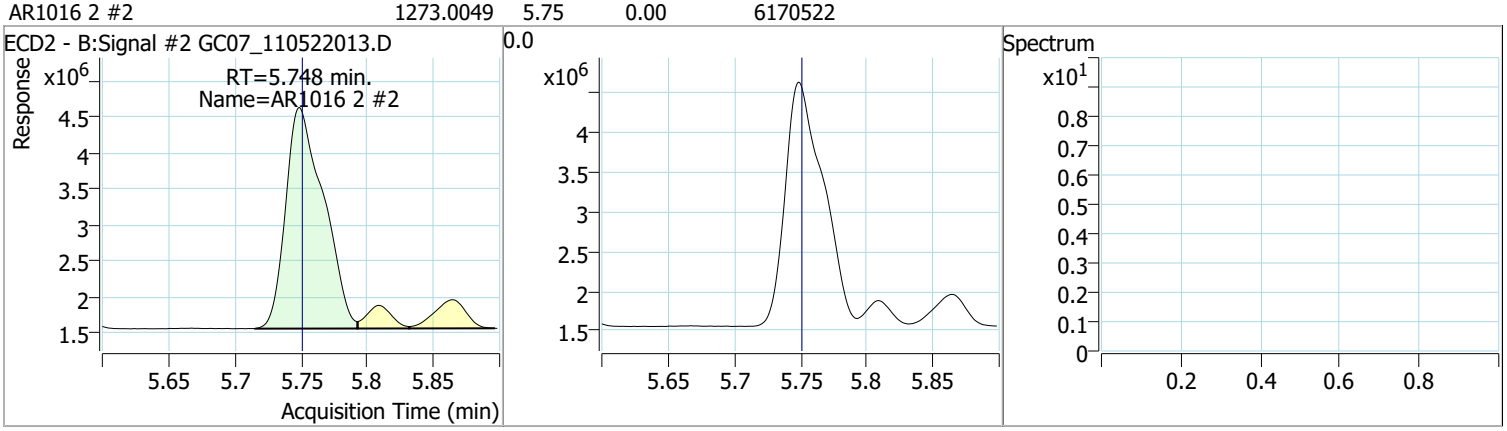
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1402.6600	5.55	0.00	12442798 (m)				



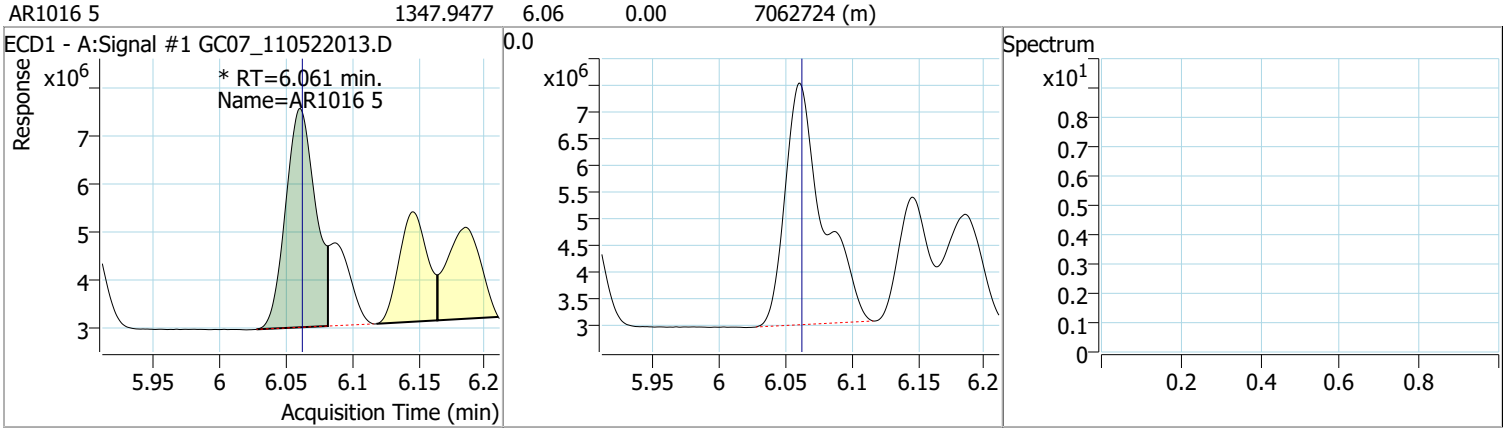
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1359.5693	5.67	0.00	8663748				



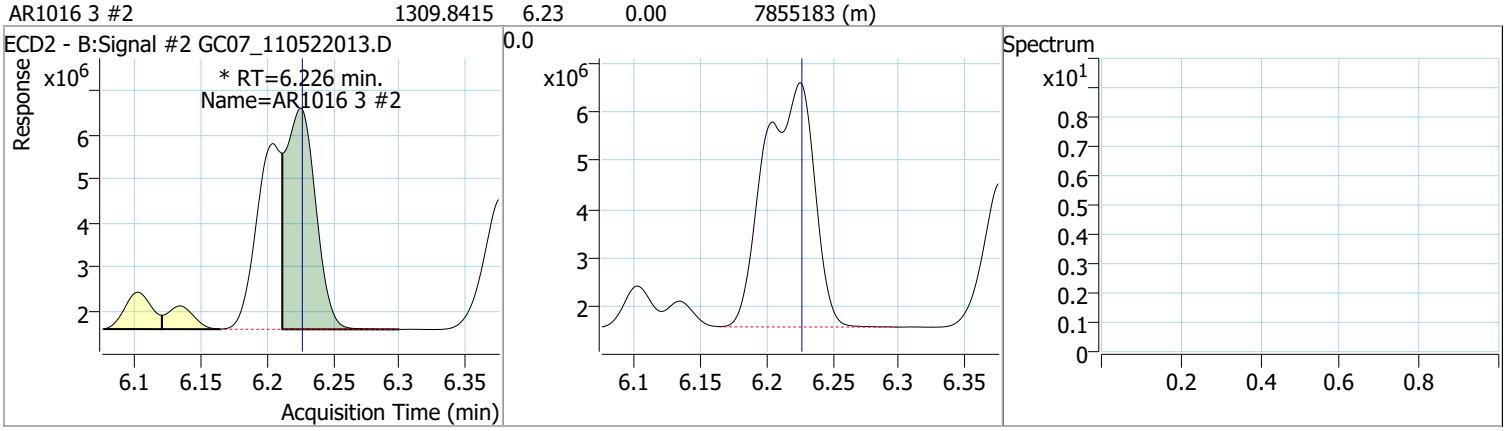
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1273.0049	5.75	0.00	6170522				



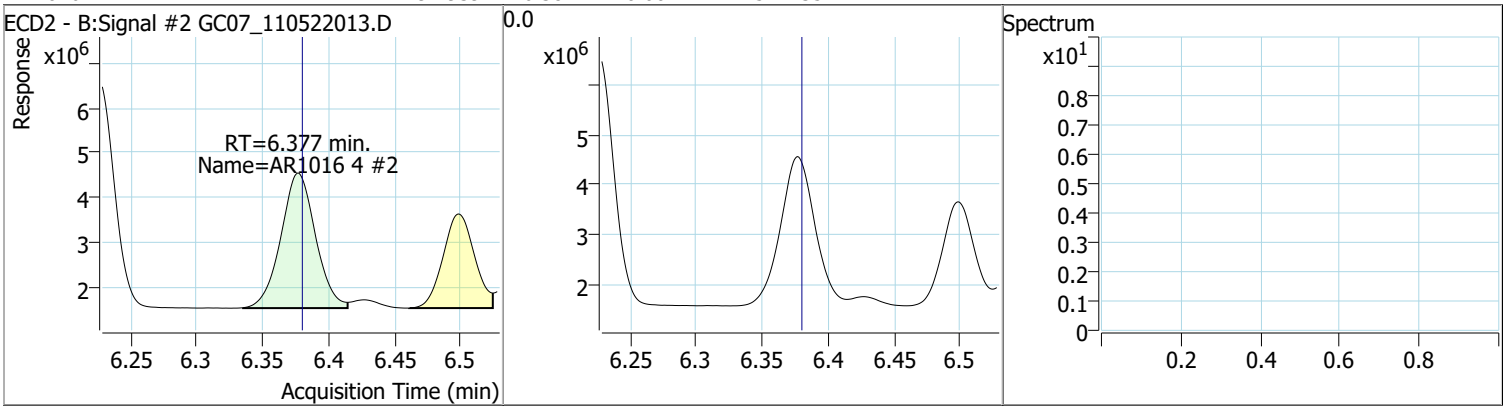
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1347.9477	6.06	0.00	7062724 (m)				



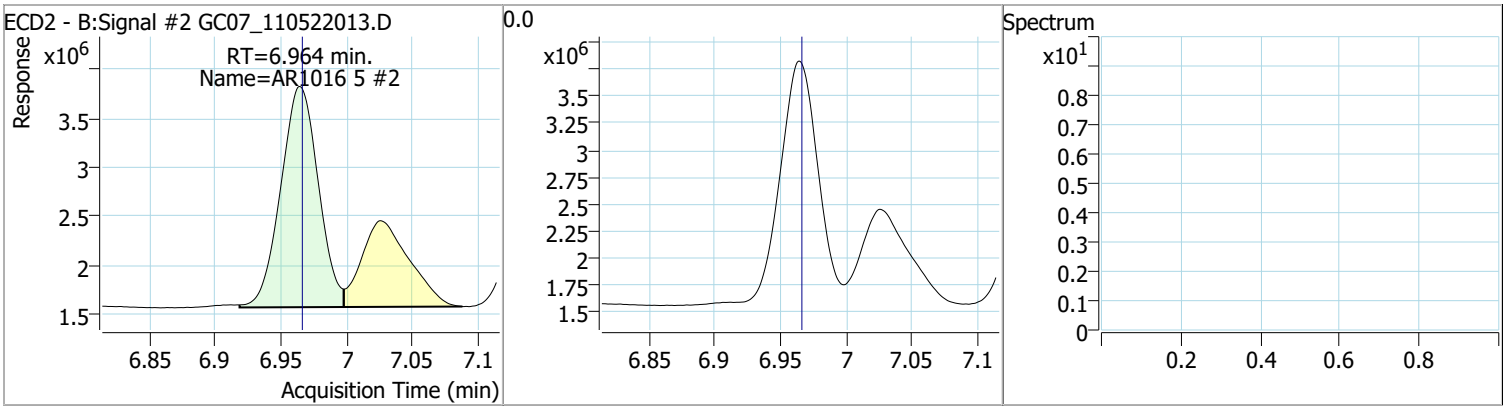
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1309.8415	6.23	0.00	7855183 (m)				



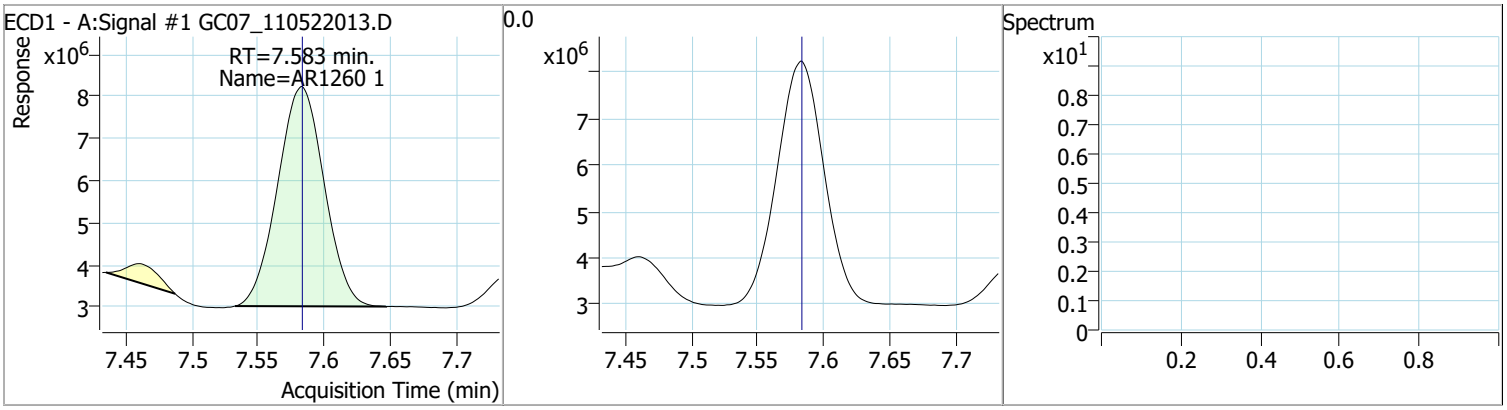
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1297.9397	6.38	0.00	5442352				



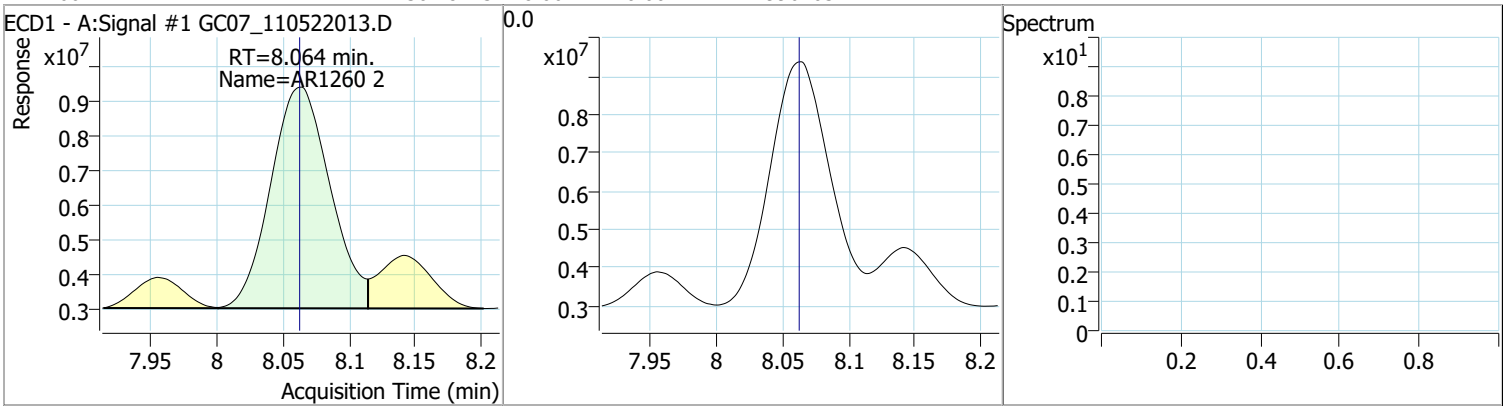
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1290.5994	6.96	0.00	4491828				



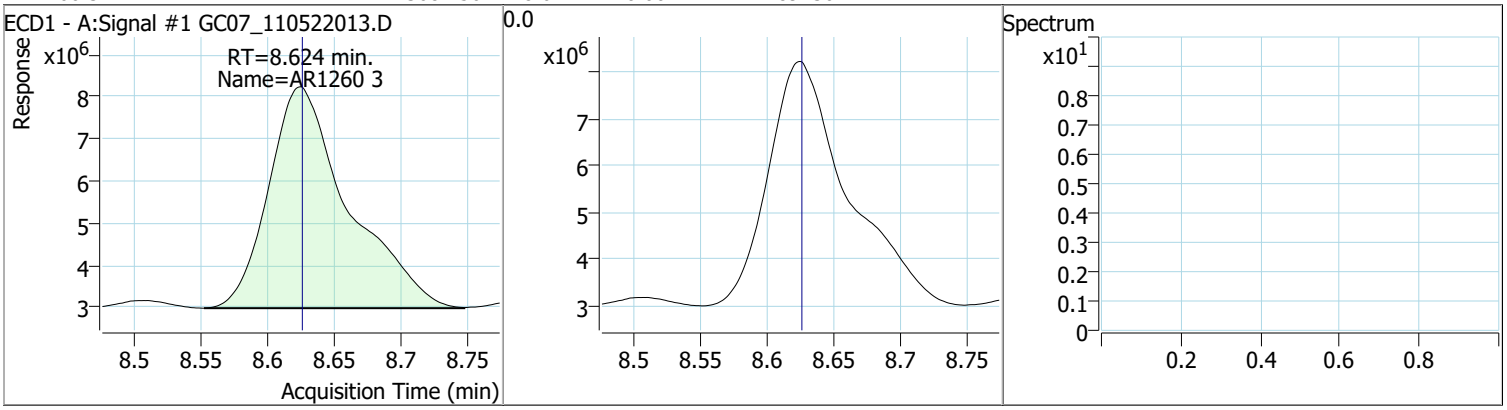
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1295.7756	7.58	0.00	12772512				



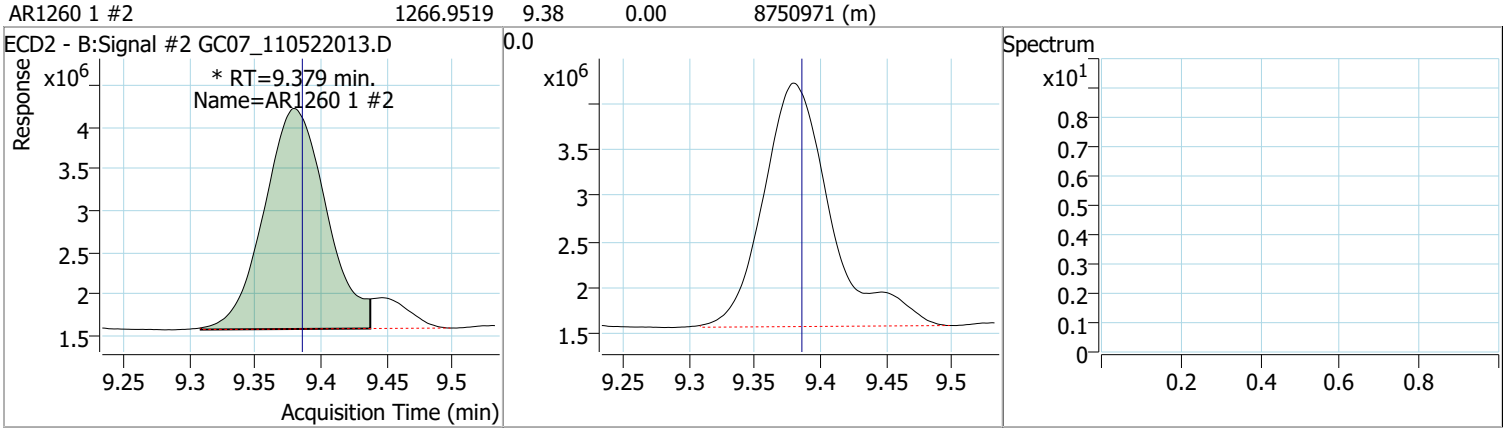
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1307.8773	8.06	0.00	19961031				



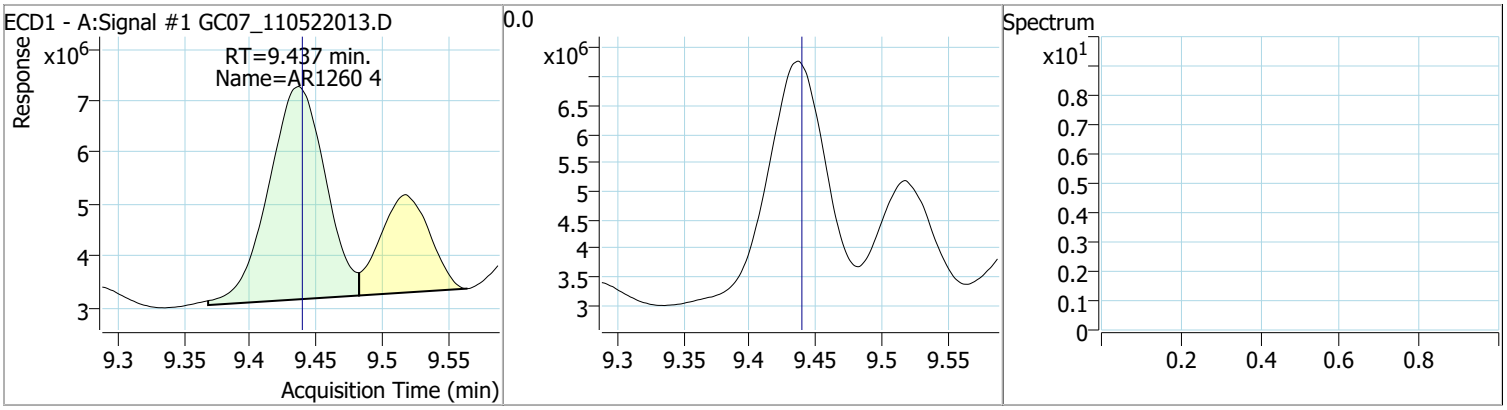
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1368.7567	8.62	0.00	21894301				



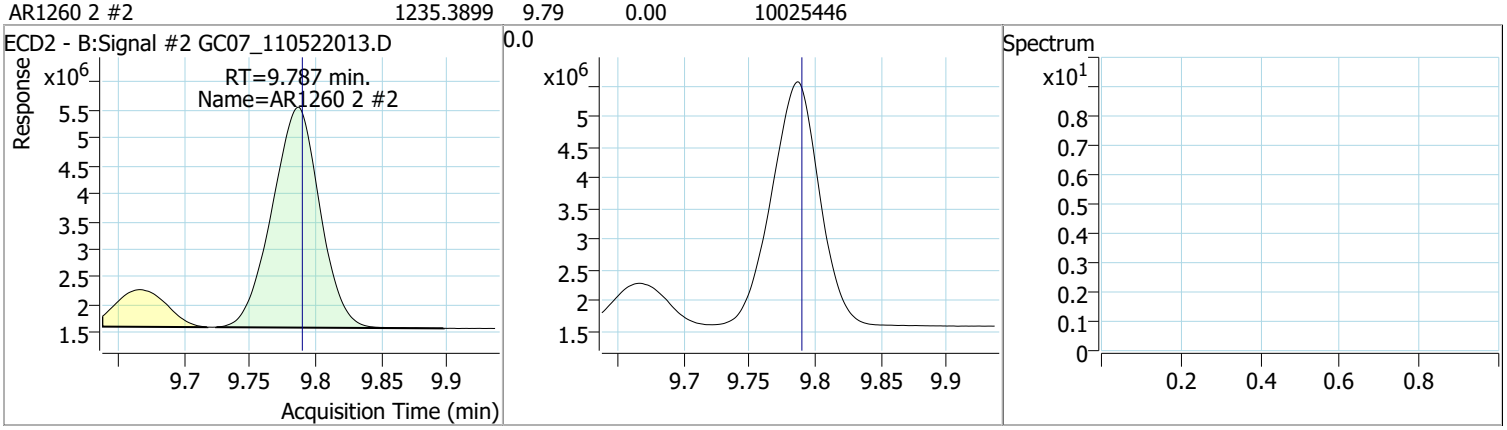
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1266.9519	9.38	0.00	8750971 (m)				



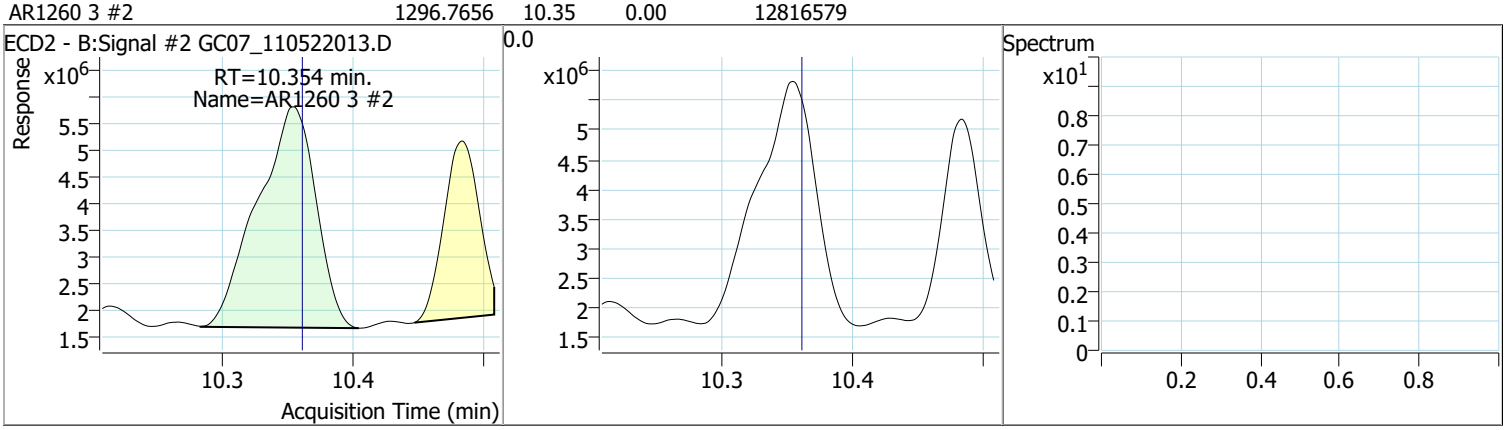
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1340.5281	9.44	0.00	12269433				



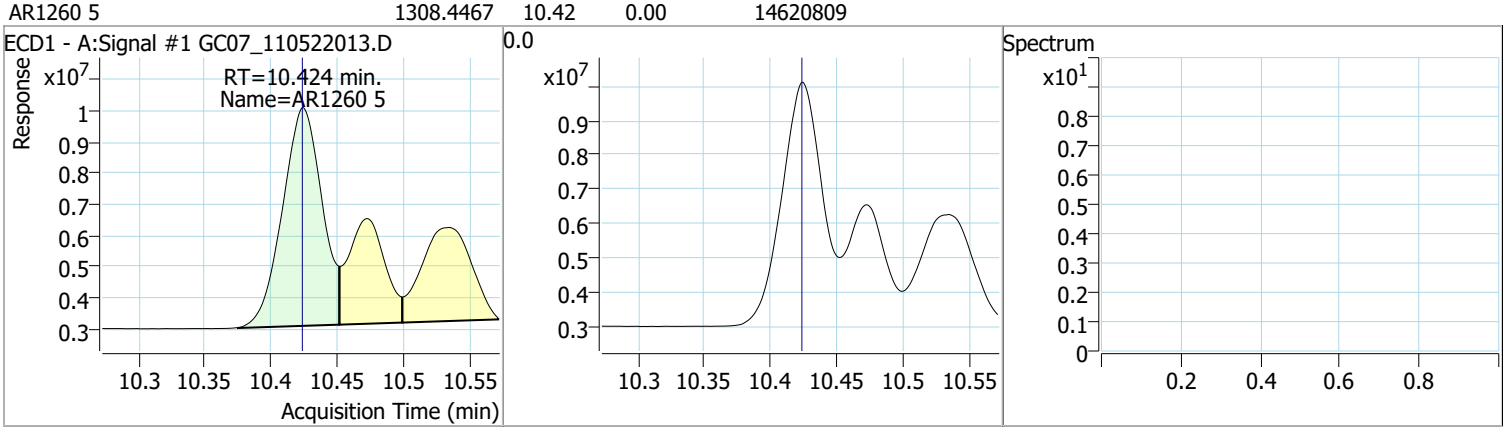
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1235.3899	9.79	0.00	10025446				



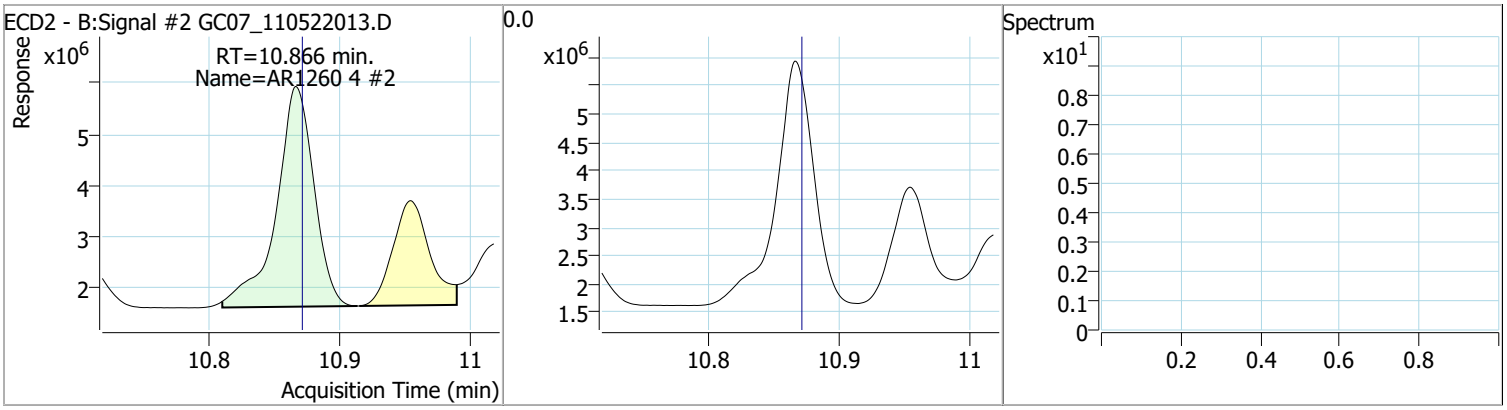
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1296.7656	10.35	0.00	12816579				



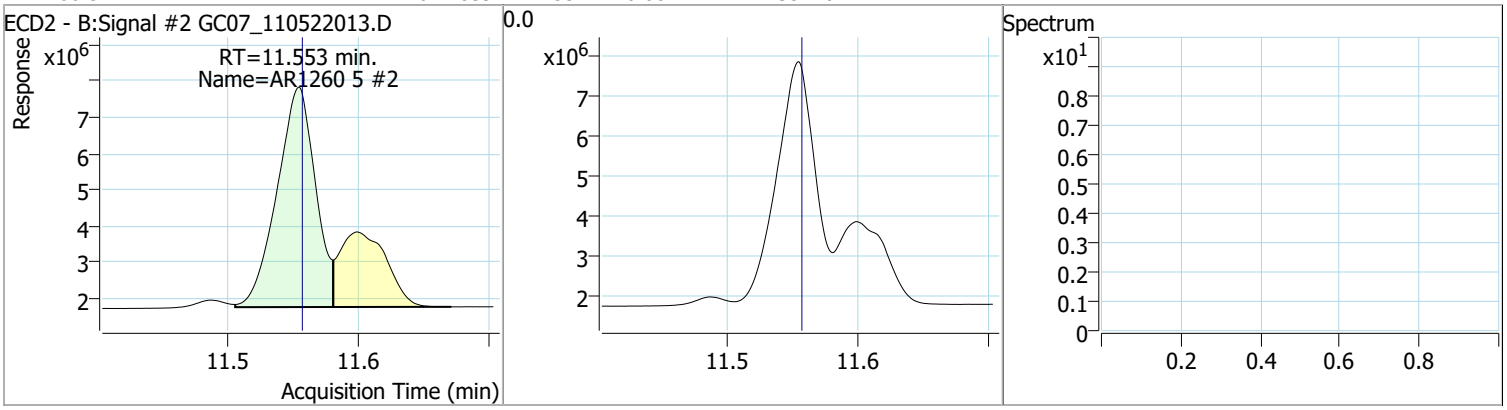
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1308.4467	10.42	0.00	14620809				



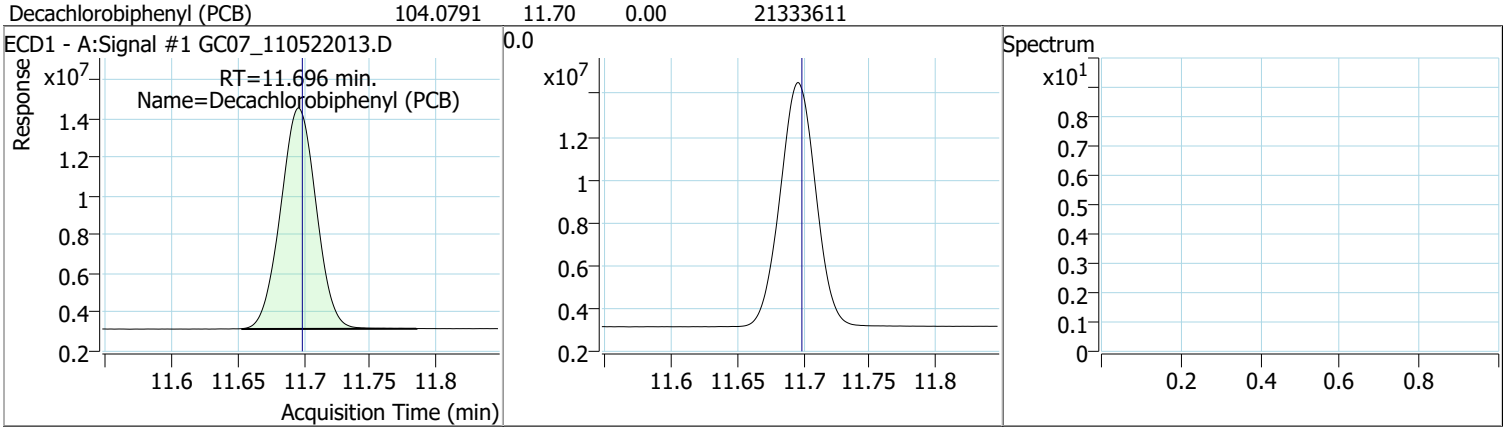
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1359.8210	10.87	0.00	8594953				



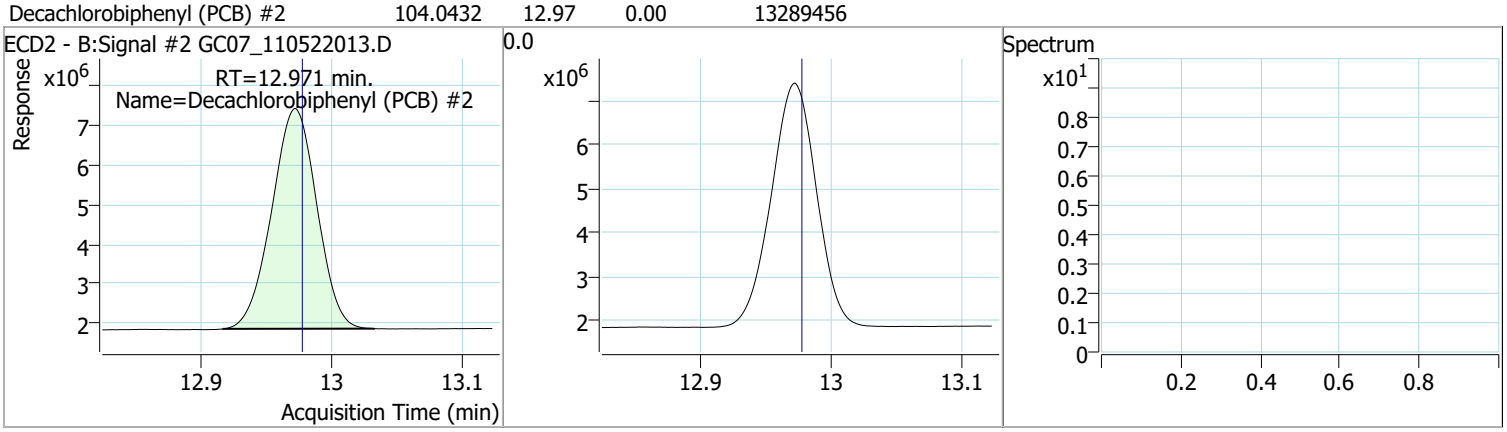
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1461.7839	11.55	0.00	12352404				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	104.0791	11.70	0.00	21333611				

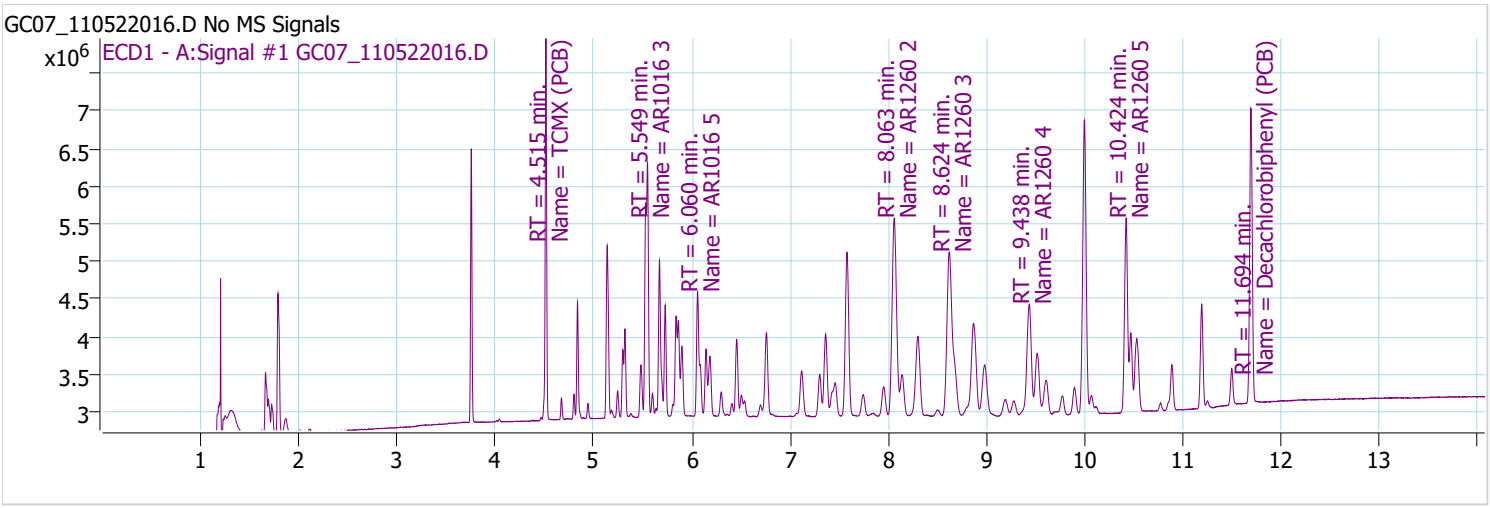


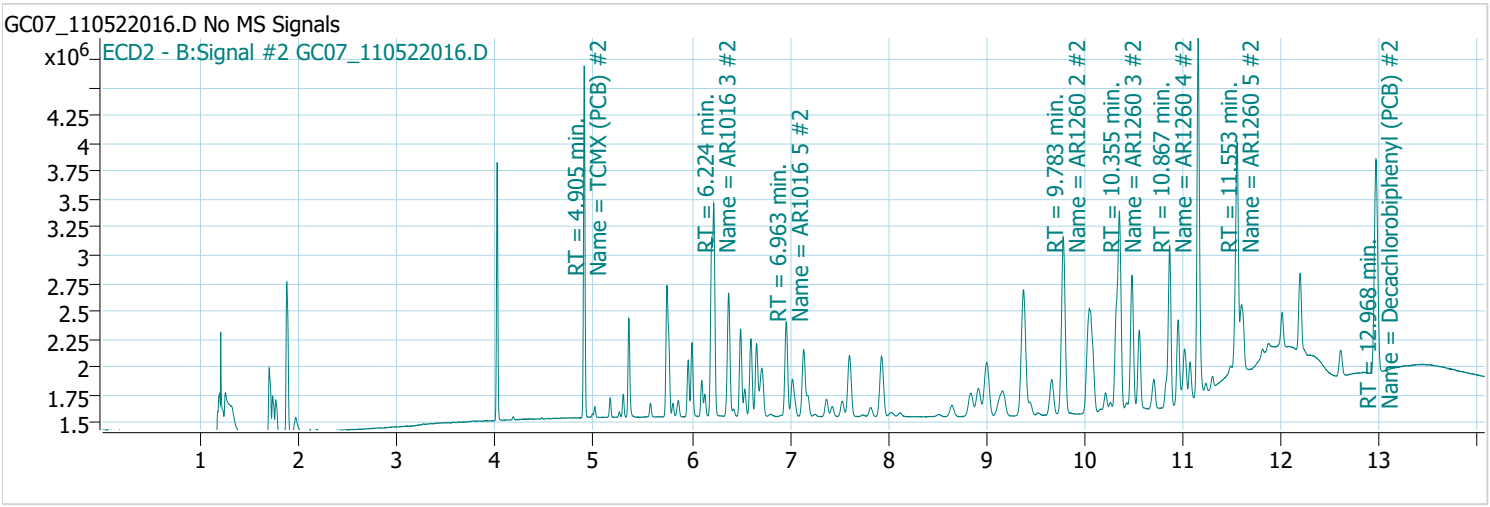
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	104.0432	12.97	0.00	13289456				



Quantitation Results Report (Not Reviewed)

Data File	GC07_110522016.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/5/2022 8:08:30 PM
Sample Name	ICV, S17274	Instrument	SVOA-GC07
Vial	50	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	500 PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	110522PCBICAL.batch.bin	Last Calib Update	11/6/2022 4:04:27 PM
Ref Library			



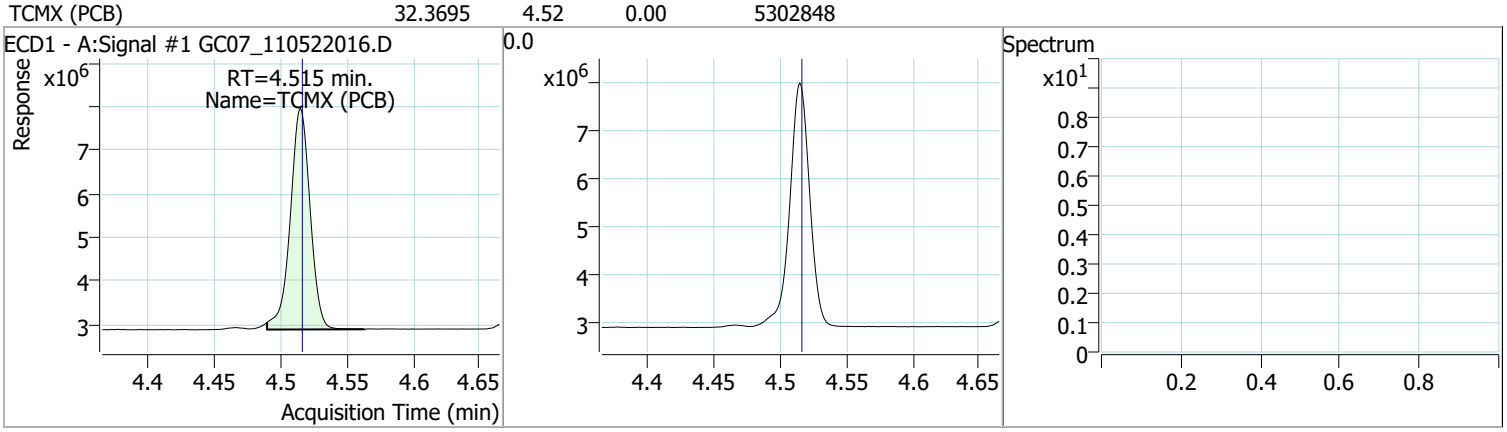


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.756	0.0	3546477.363	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.018	0.0	2210556.362	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.515	0.0	5302847.904	32.3695	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.85%		*	
S TCMX (PCB) #2	4.905	0.0	3307109.812	32.3279	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.64%		*	
S Decachlorobiphenyl (PCB)	11.694	0.0	7348654.442	33.9957	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.98%		*	
S Decachlorobiphenyl (PCB) #2	12.968	0.0	4548899.960	33.9917	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.96%		*	
Target Compounds							QValue

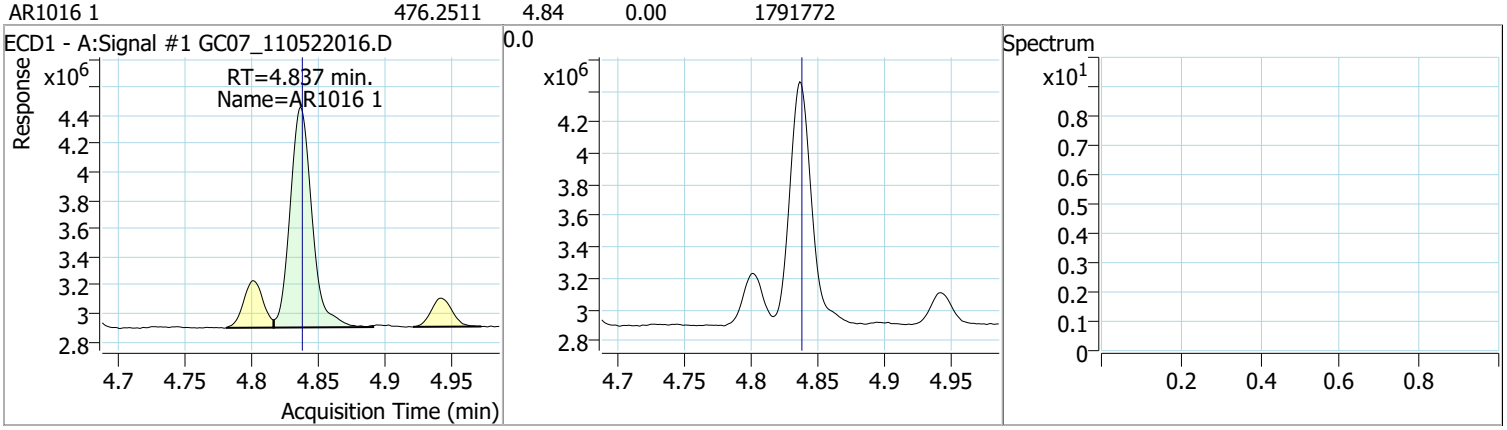
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.837	0.0	1791771.548	476.2511	ng/ml		100
T AR1016 2	5.139	0.0	3537285.586	459.3141	ng/ml		100
T AR1016 1 #2	5.360	0.0	1160227.083	482.8195	ng/ml		100
T AR1016 3	5.549	0.0	4350617.672	466.6888	ng/ml	m	100
T AR1016 4	5.672	0.0	3233590.130	481.6589	ng/ml		100
T AR1016 2 #2	5.748	0.0	2391063.153	466.6867	ng/ml		100
T AR1016 5	6.060	0.0	2616959.845	473.0408	ng/ml	m	100
T AR1016 3 #2	6.224	0.0	2864278.670	454.5548	ng/ml	m	100
T AR1016 4 #2	6.377	0.0	2090716.691	473.1103	ng/ml		100
T AR1016 5 #2	6.963	0.0	1699582.332	463.0794	ng/ml		100
T AR1260 1	7.582	0.0	5351757.404	513.4950	ng/ml		100
T AR1260 2	8.063	0.0	8297228.541	514.7304	ng/ml		100
T AR1260 3	8.624	0.0	9074673.792	540.3056	ng/ml		100
T AR1260 1 #2	9.378	0.0	3635246.691	498.2082	ng/ml	m	100
T AR1260 4	9.438	0.0	4340840.493	450.1070	ng/ml		100
T AR1260 2 #2	9.783	0.0	4150007.796	483.8101	ng/ml		100
T AR1260 3 #2	10.355	0.0	5344357.841	514.5820	ng/ml		100
T AR1260 5	10.424	0.0	5505612.889	466.5505	ng/ml		100
T AR1260 4 #2	10.867	0.0	2757764.842	415.2882	ng/ml		100
T AR1260 5 #2	11.553	0.0	4469376.257	452.0495	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

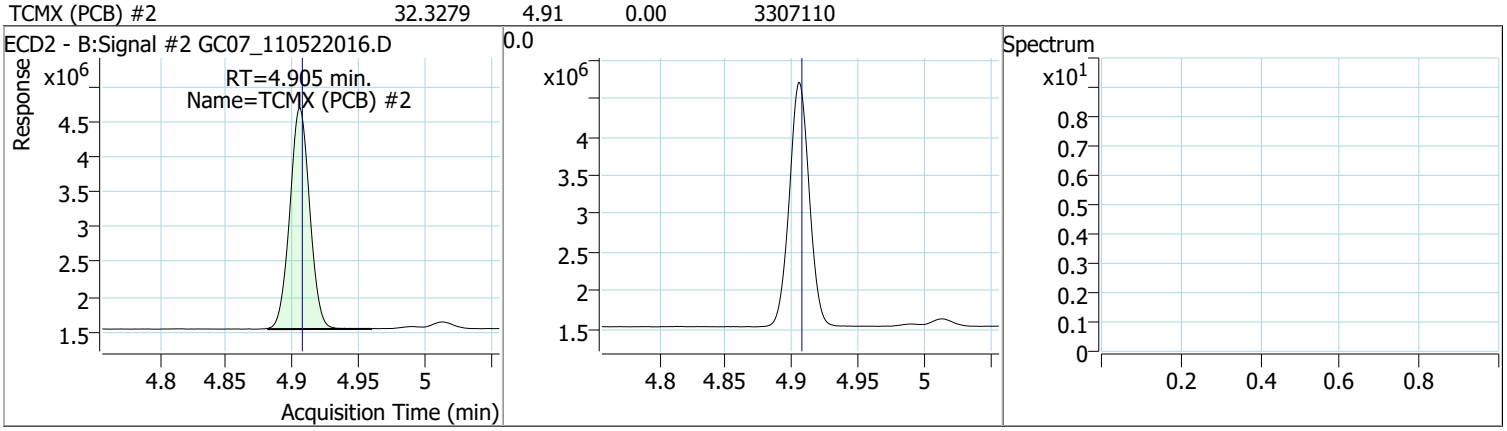
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.3695	4.52	0.00	5302848				



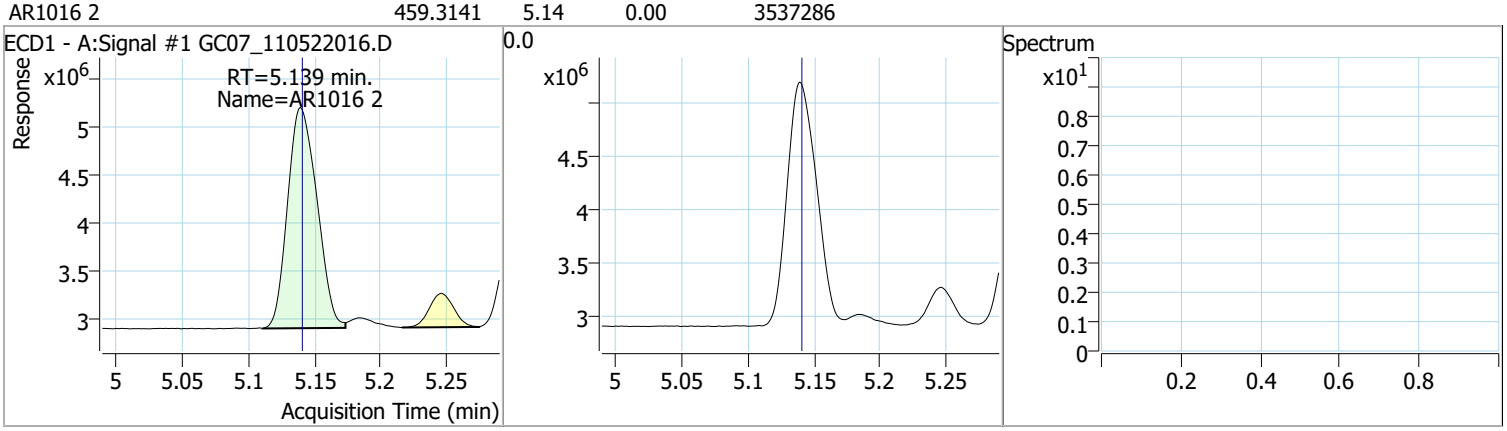
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	476.2511	4.84	0.00	1791772				



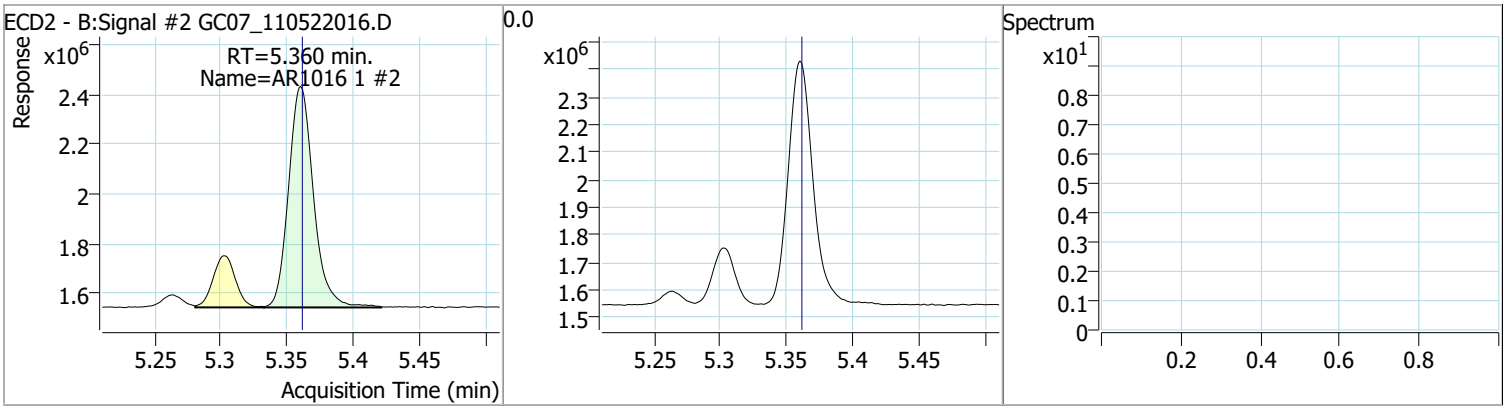
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.3279	4.91	0.00	3307110				



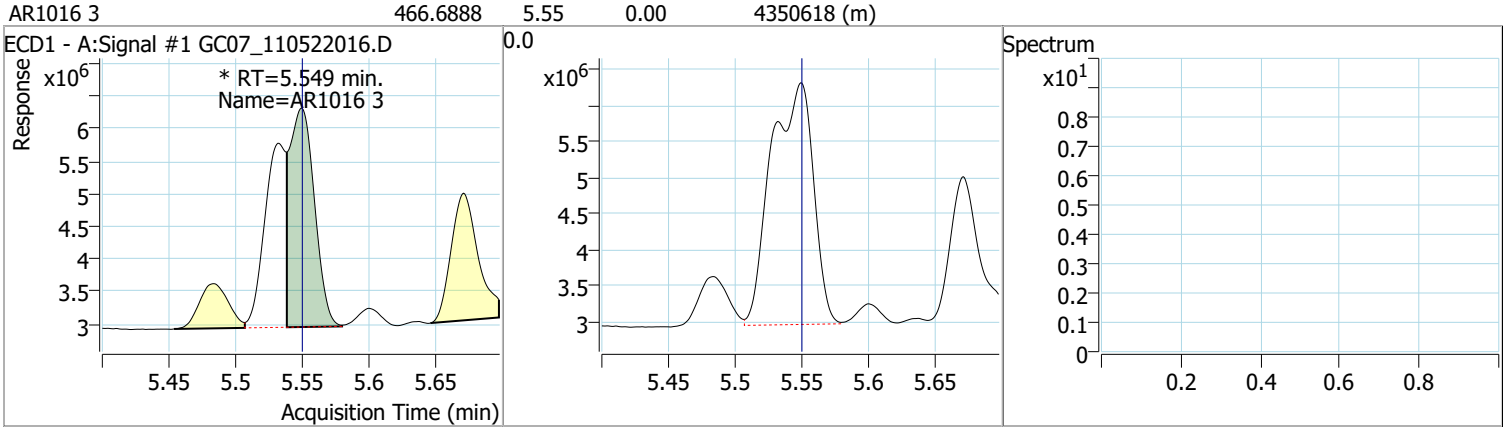
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	459.3141	5.14	0.00	3537286				



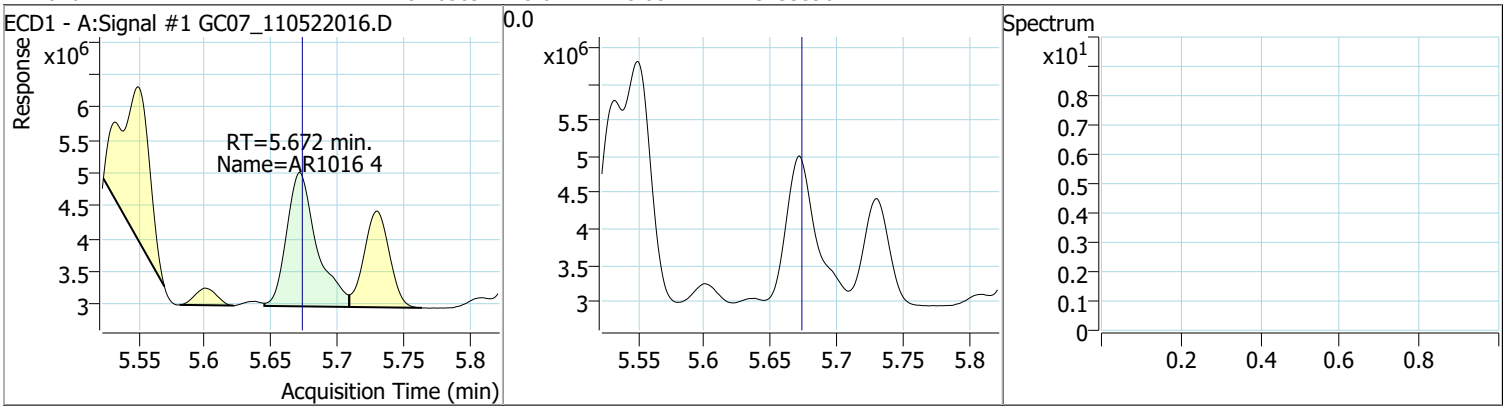
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	482.8195	5.36	0.00	1160227				



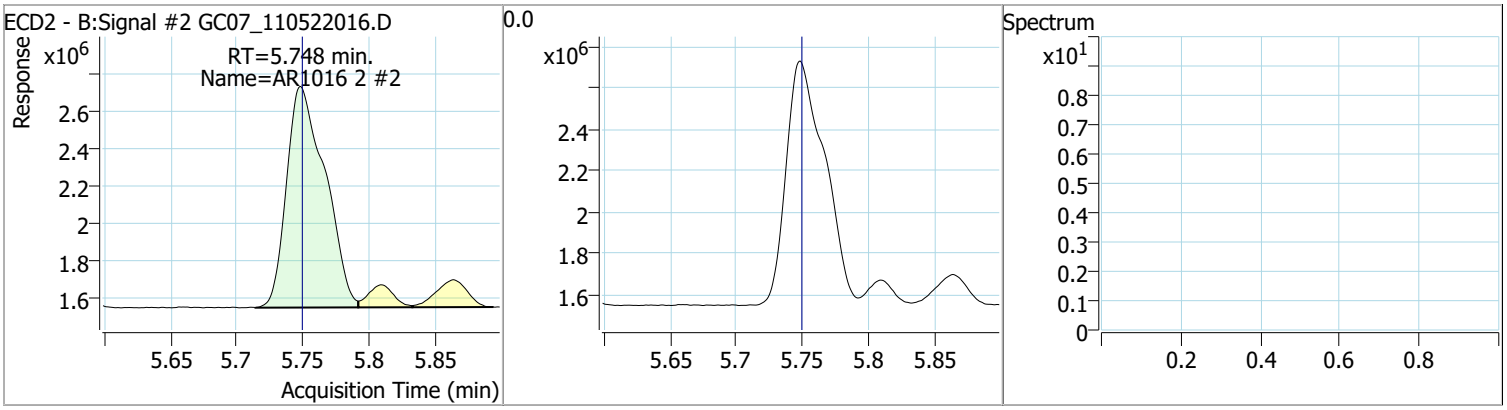
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	466.6888	5.55	0.00	4350618 (m)				



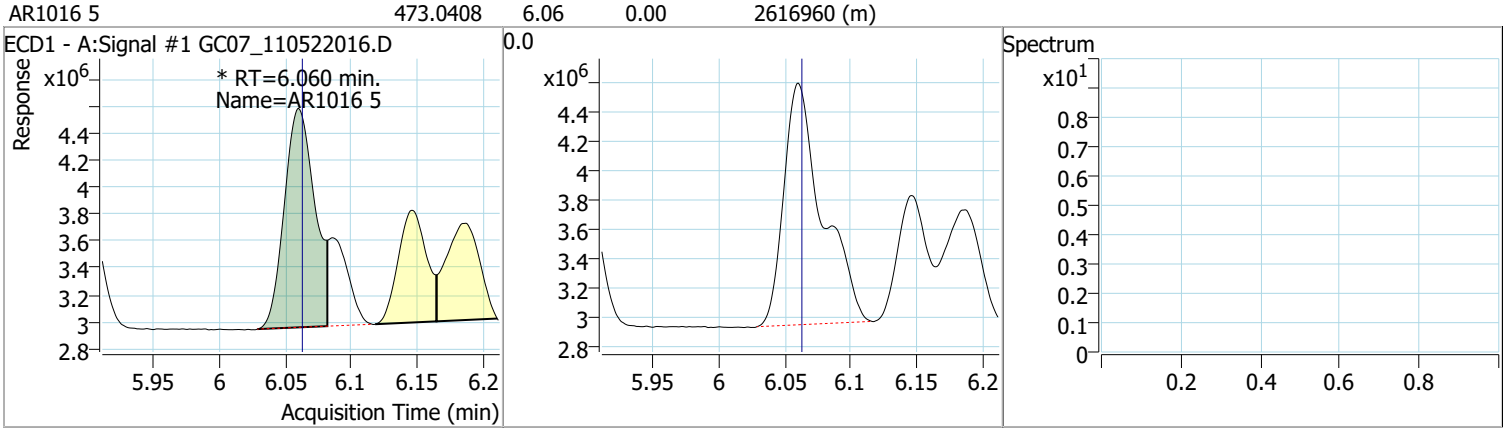
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	481.6589	5.67	0.00	3233590				



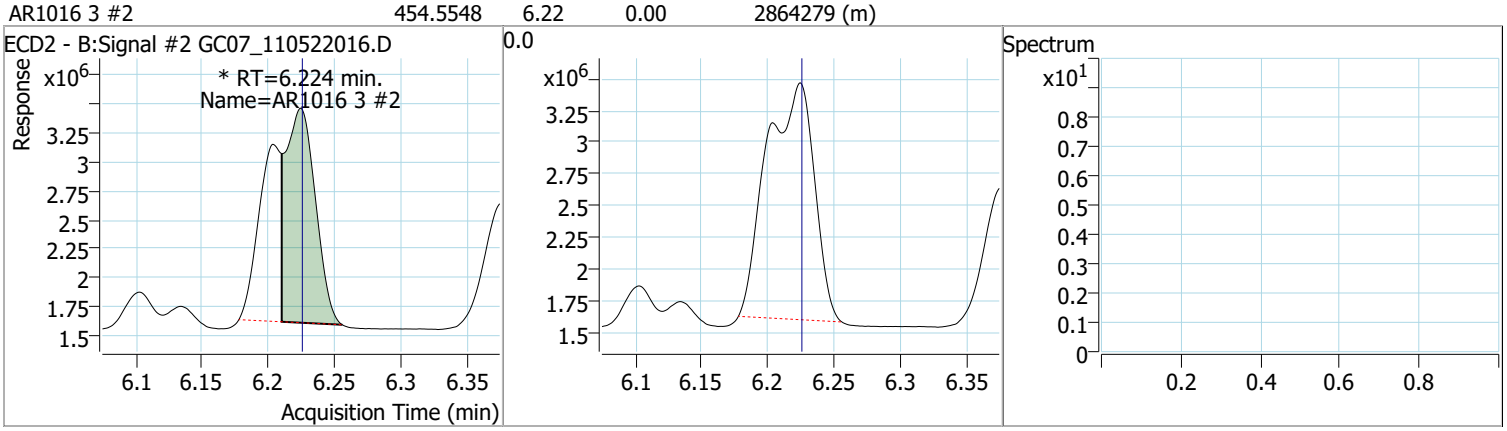
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	466.6867	5.75	0.00	2391063				



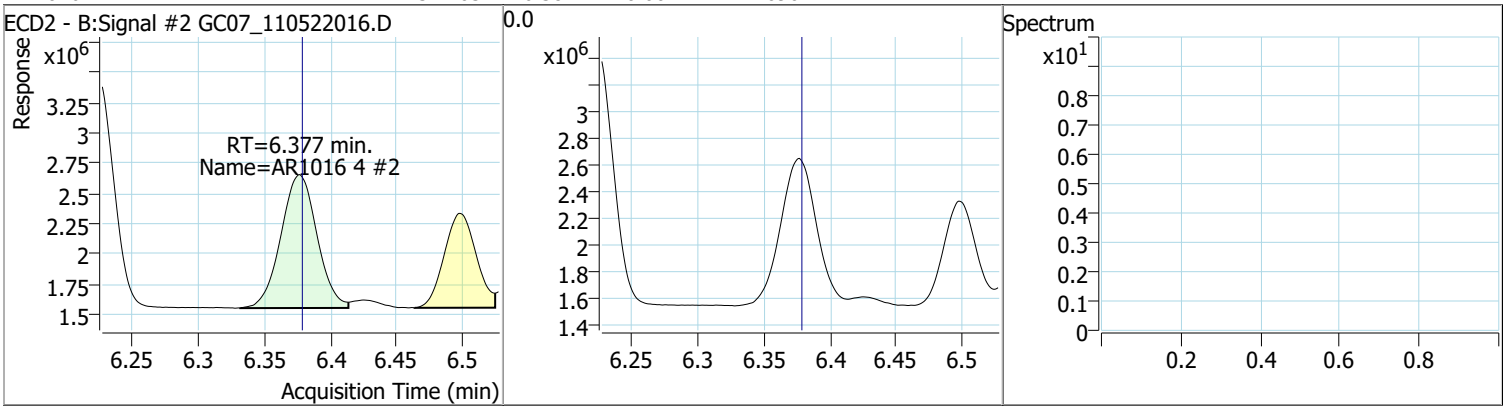
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	473.0408	6.06	0.00	2616960 (m)				



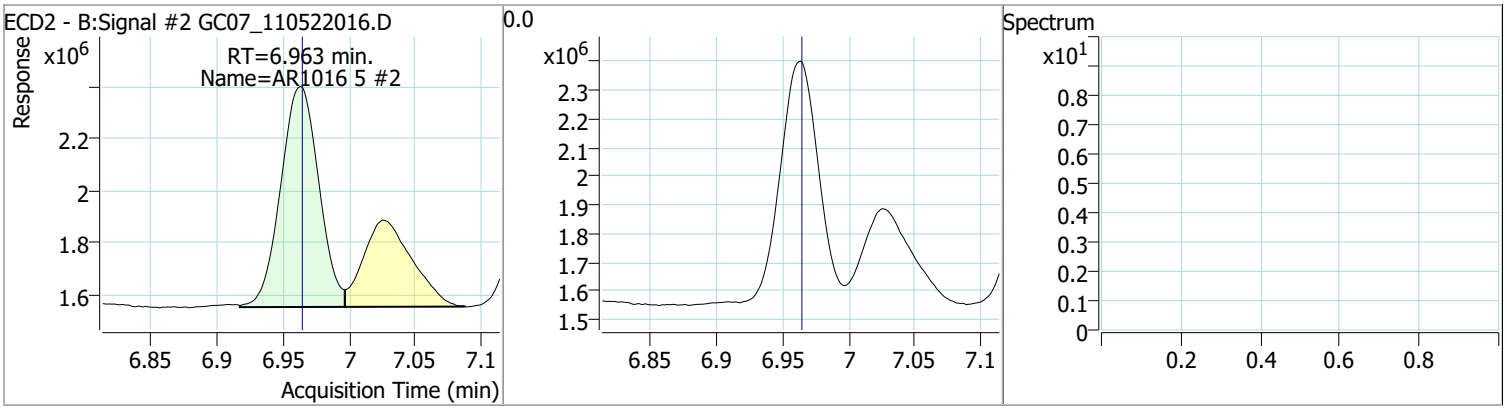
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	454.5548	6.22	0.00	2864279 (m)				



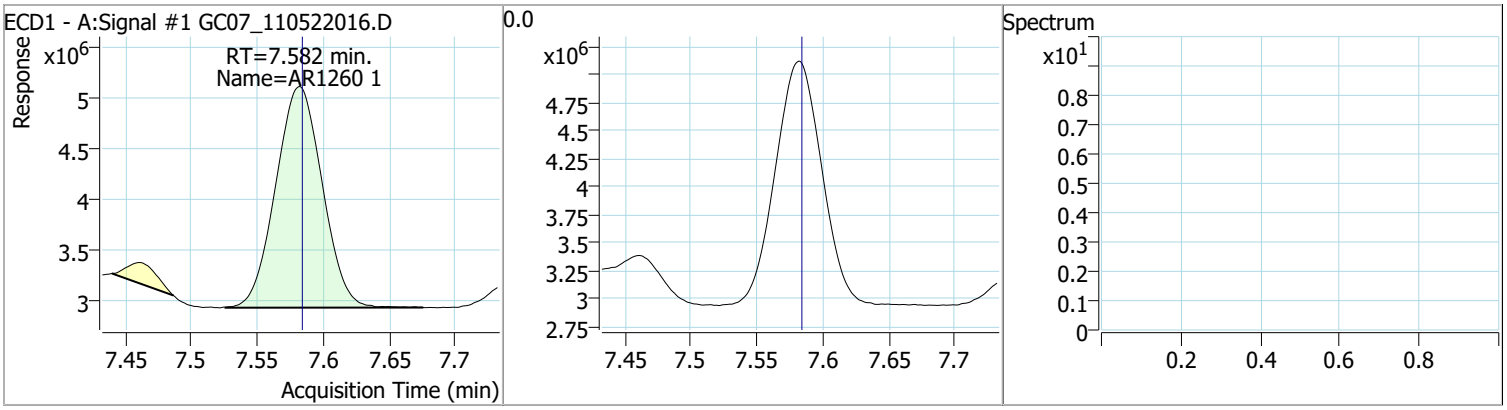
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	473.1103	6.38	0.00	2090717				



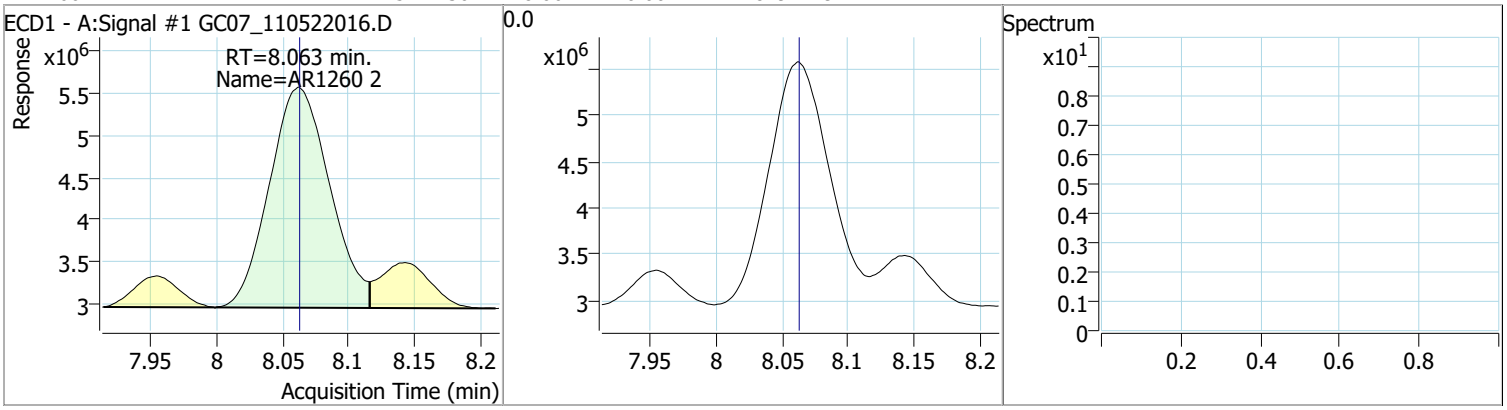
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	463.0794	6.96	0.00	1699582				



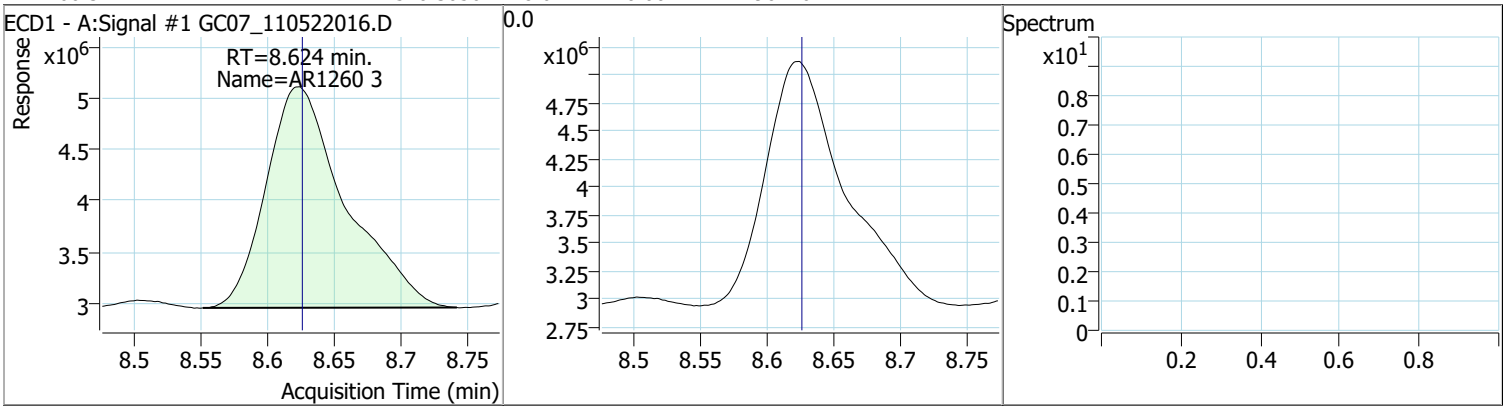
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	513.4950	7.58	0.00	5351757				



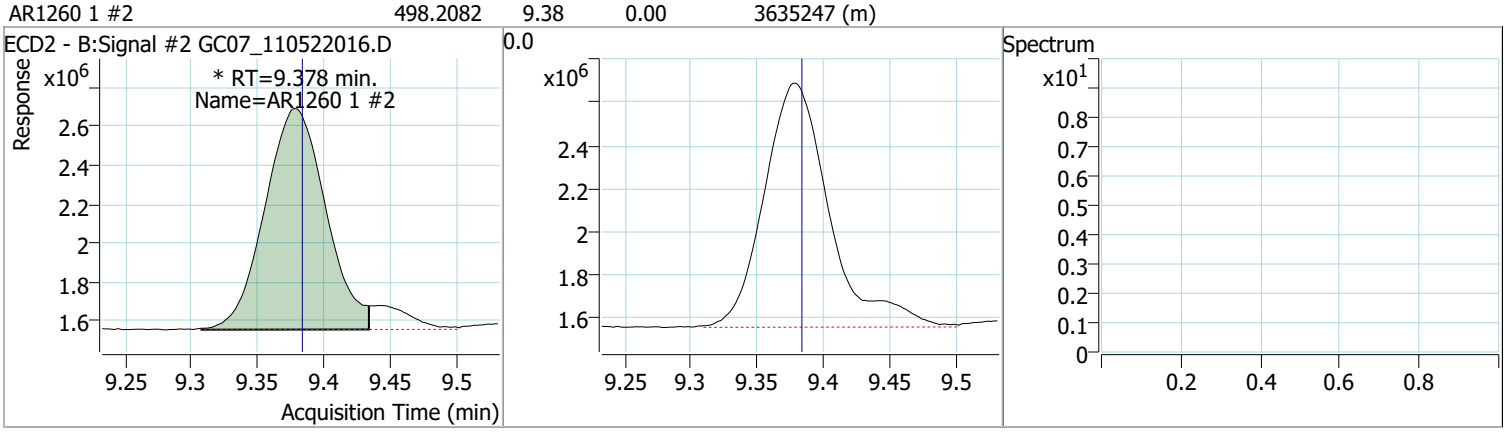
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	514.7304	8.06	0.00	8297229				



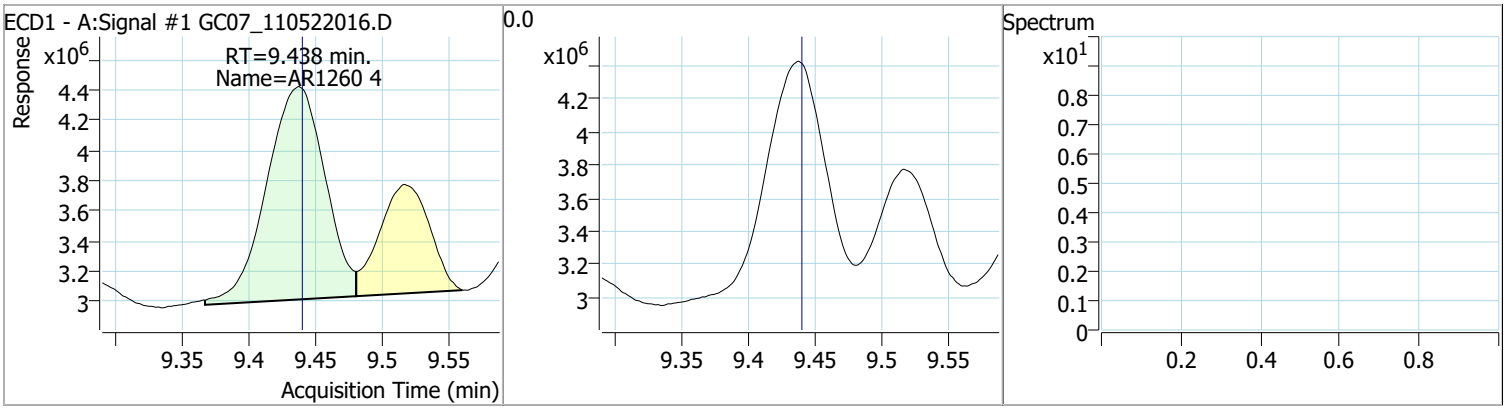
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AR1260 3	540.3056	8.62	0.00	9074674				



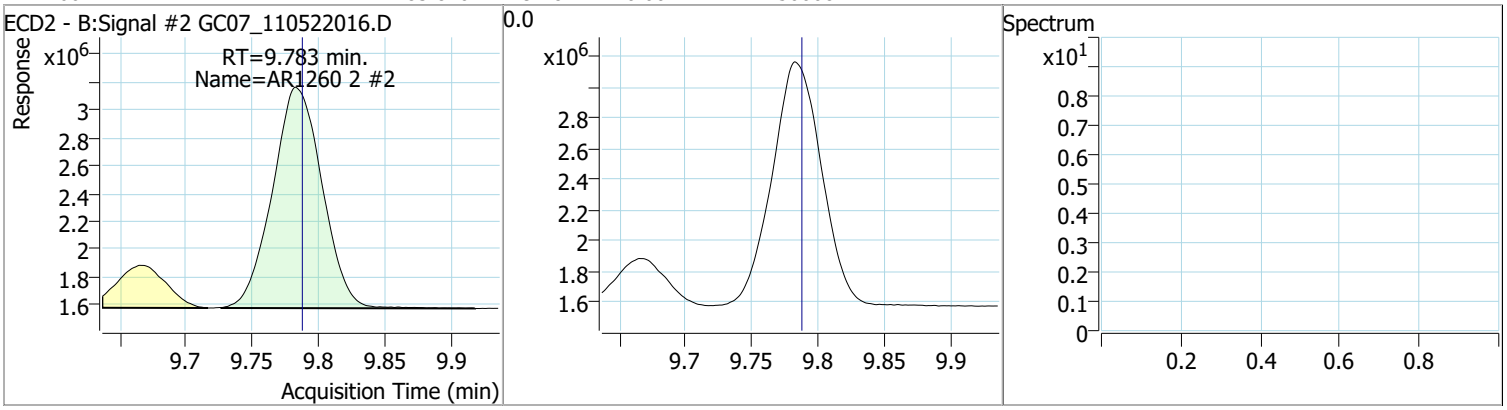
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	498.2082	9.38	0.00	3635247 (m)				



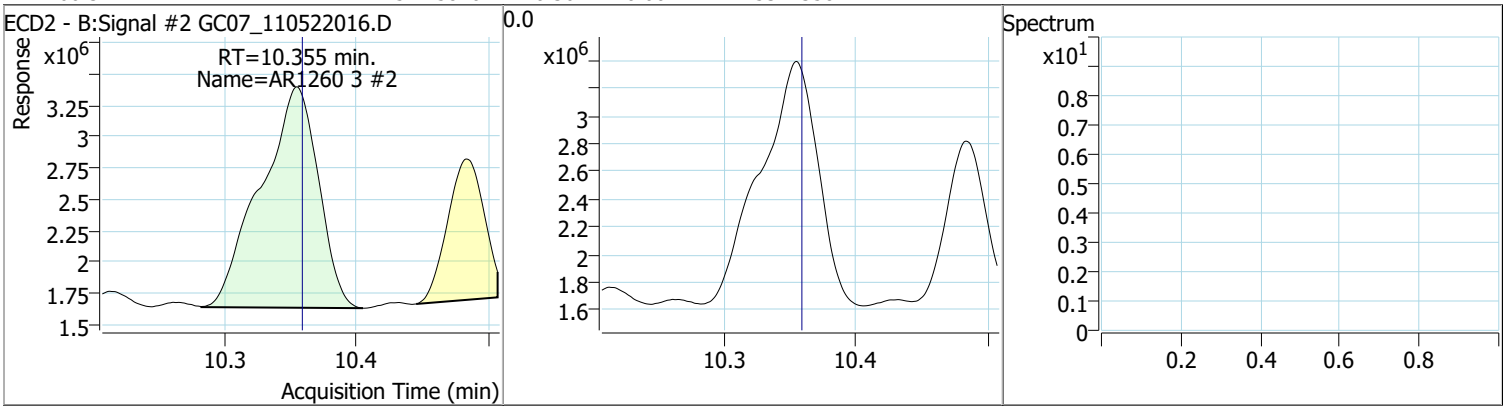
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	450.1070	9.44	0.00	4340840				



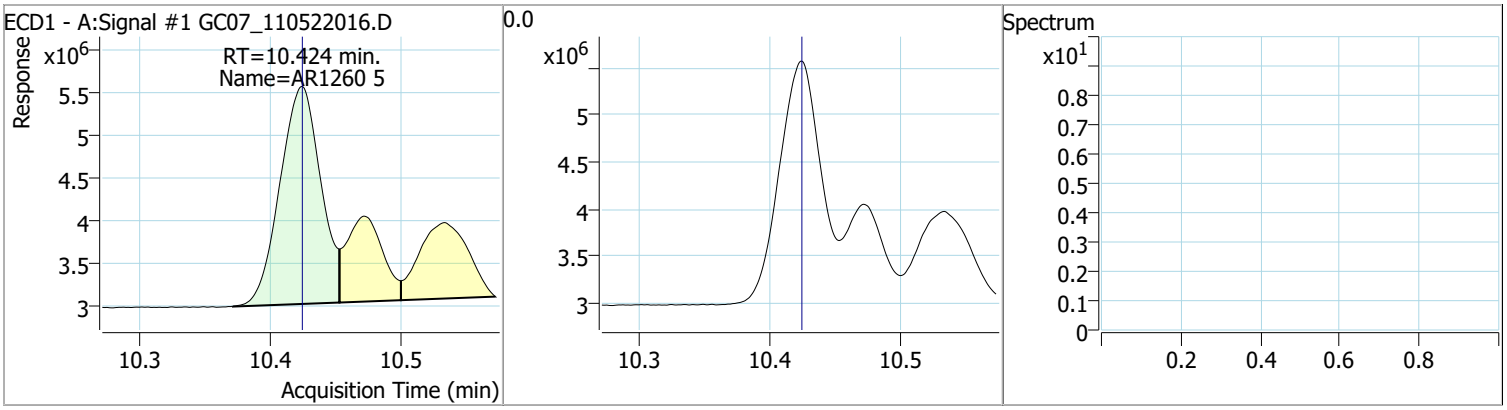
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	483.8101	9.78	0.00	4150008				



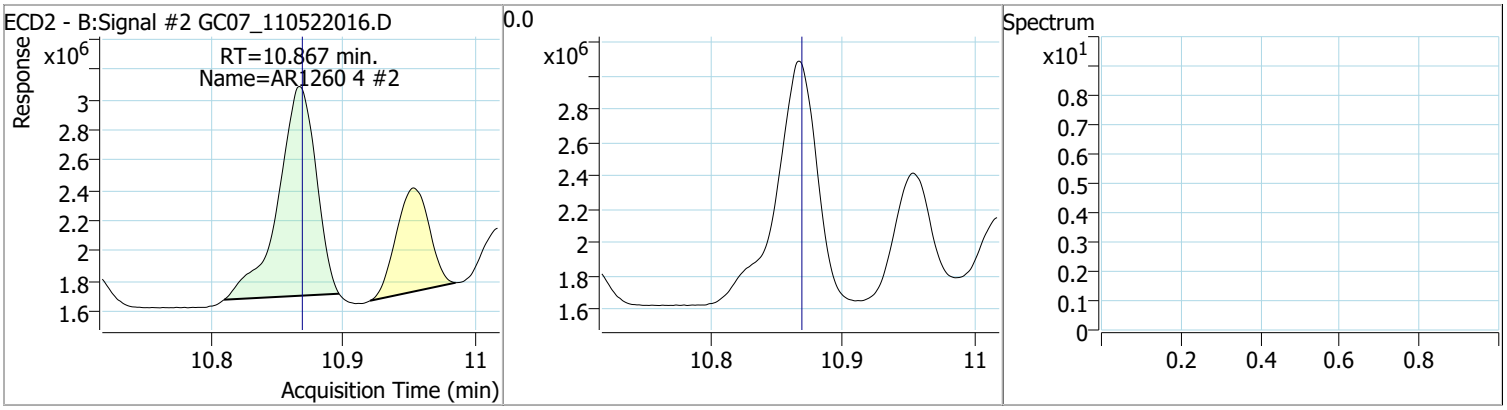
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	514.5820	10.36	0.00	5344358				



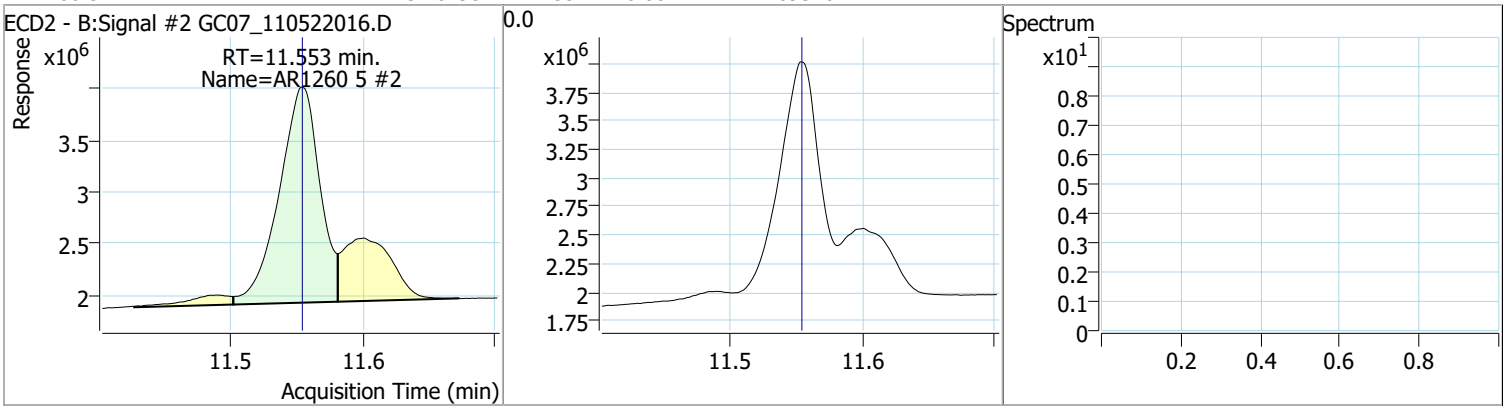
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	466.5505	10.42	0.00	5505613				



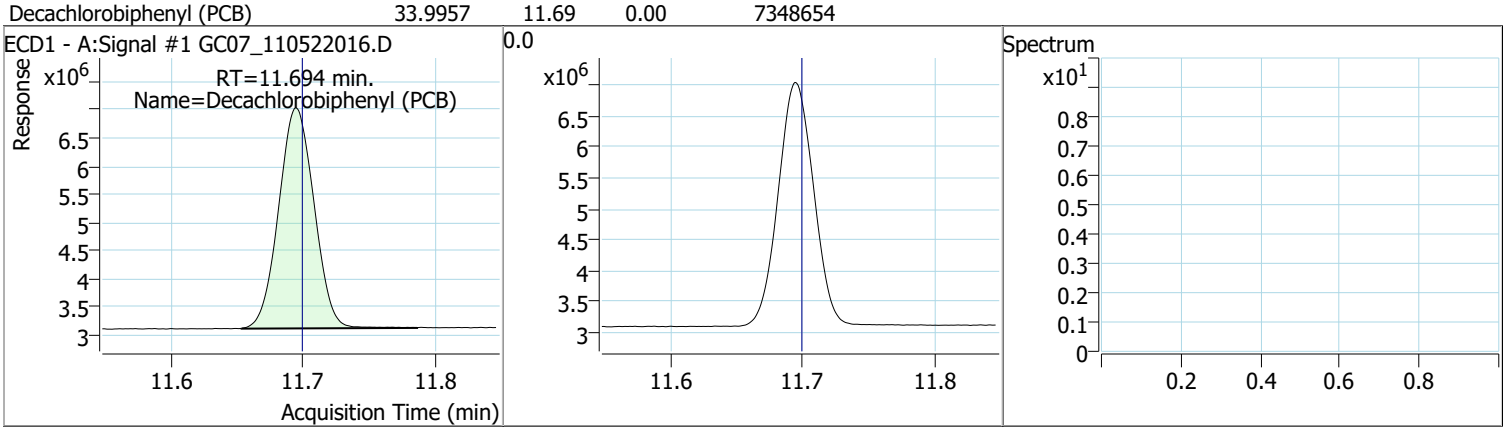
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	415.2882	10.87	0.00	2757765				



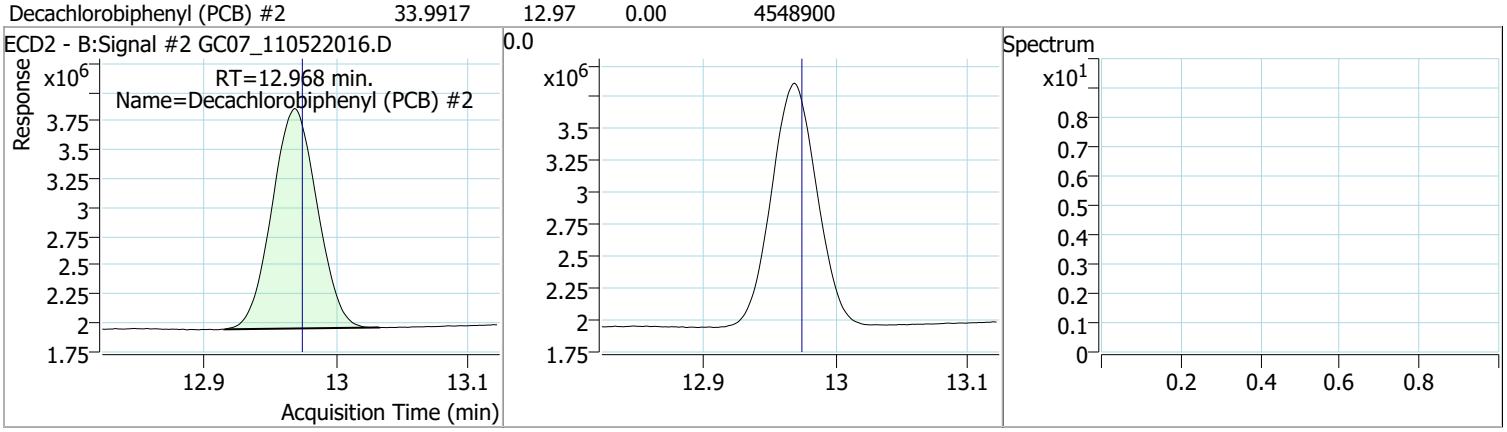
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	452.0495	11.55	0.00	4469376				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.9957	11.69	0.00	7348654				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.9917	12.97	0.00	4548900				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 471955 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	462447281004	File:	gc07_110622004	Time:	06-NOV-2022 15:16
Cal:	462445893001	Caldate:	05-NOV-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	476.7	ug/L	-5	15	0.0000	
Aroclor-1260	A			500.0	507.1	ug/L	1	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.2191	1.0610	40.00	34.82	pg/uL	-13	15	0.0000	
TCMX (PCB)	A	0.9239	0.8375	40.00	36.26	pg/uL	-9	15	0.0000	
Aroclor-1016	B			500.0	437.6	ug/L	-12	15	0.0000	
Aroclor-1260	B			500.0	445.5	ug/L	-11	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2108	1.0625	40.00	35.10	pg/uL	-12	15	0.0000	
TCMX (PCB)	B	0.9256	0.8179	40.00	35.35	pg/uL	-12	15	0.0000	

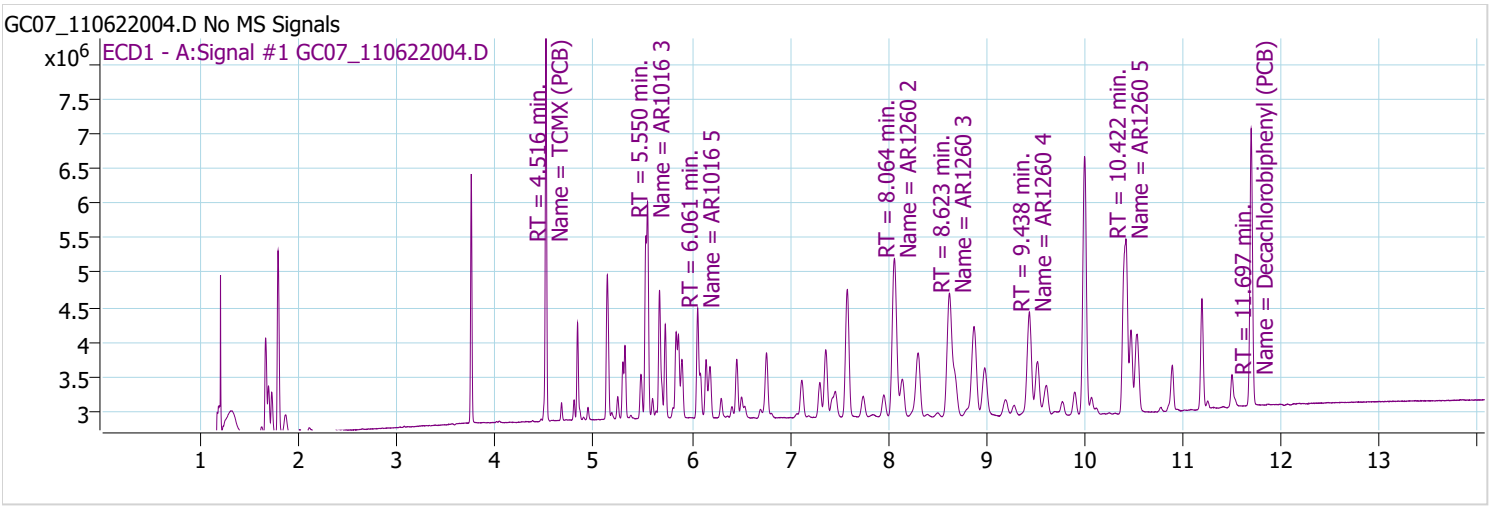
ISTD (ICAL gc07_110522007)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	1889392	2140965	13.31
1-bromo-2-nitrobenzene (PCB)	A	3023368	3447381	14.02

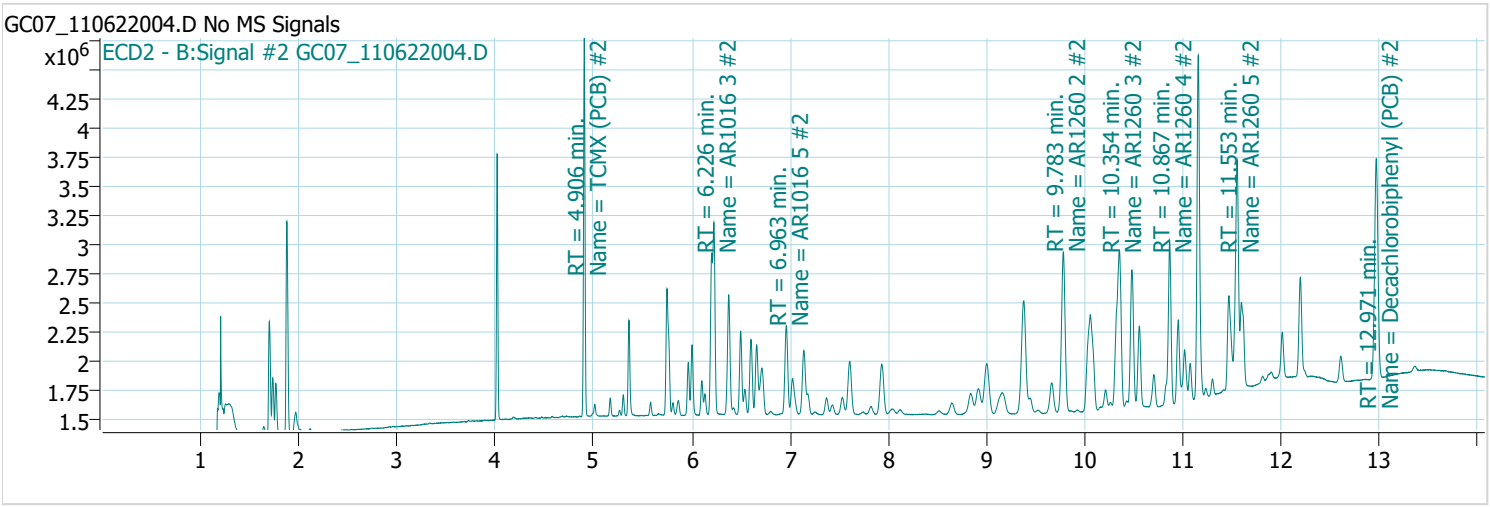
TRN 11/07/22 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

Analyst: TRN 11/07/22 **Reviewer:** LW 11/08/22

Quantitation Results Report (Not Reviewed)

Data File	GC07_110622004.D	Operator	SVOA
Acq. Method	Acq_Pesticide_091520_1	Acq. Date-Time	11/6/2022 3:16:40 PM
Sample Name	CCV, S17386	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_110522_GC07_1.m	Comment	500ppb PCB
Tune File	ATUNE.U	Tune Date	
Batch Name	110622PCB.batch.bin	Last Calib Update	11/6/2022 4:04:27 PM
Ref Library			



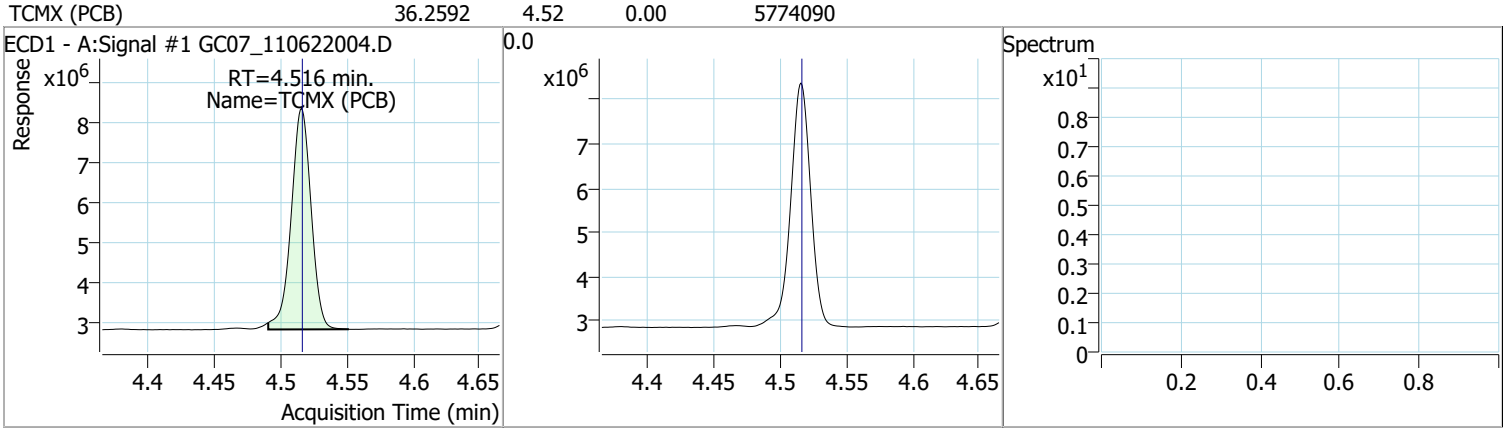


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.755	0.0	3447380.538	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.018	0.0	2140964.844	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.516	0.0	5774090.018	36.2592	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 181.30%		*	
S TCMX (PCB) #2	4.906	0.0	3502204.802	35.3478	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.74%		*	
S Decachlorobiphenyl (PCB)	11.697	0.0	7315651.558	34.8158	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 174.08%		*	
S Decachlorobiphenyl (PCB) #2	12.971	0.0	4549686.701	35.1027	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 175.51%		*	
Target Compounds							QValue

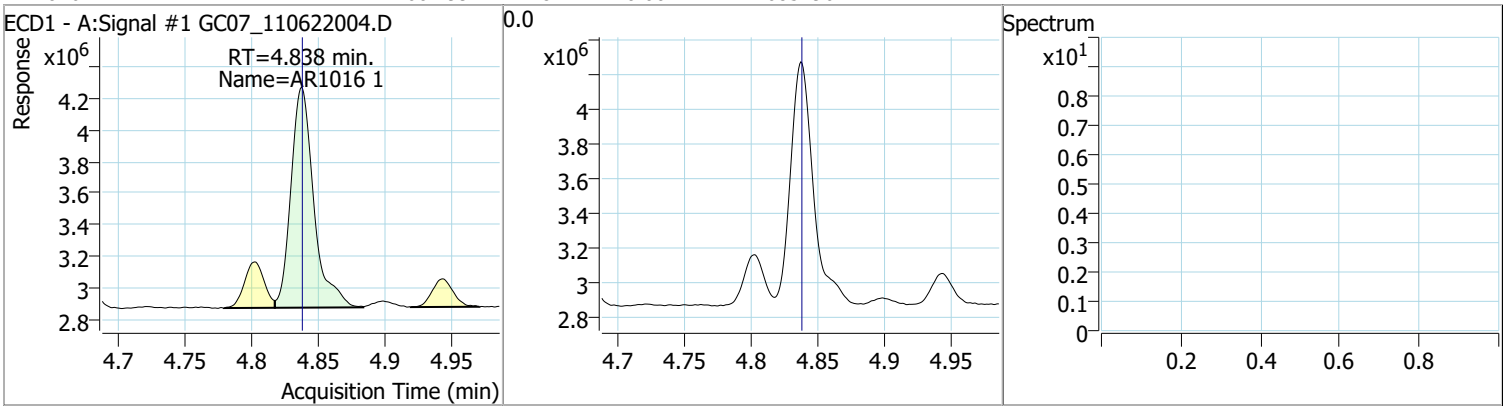
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.838	0.0	1685195.821	460.7992	ng/ml		100
T AR1016 2	5.141	0.0	3241450.478	432.9992	ng/ml		100
T AR1016 1 #2	5.361	0.0	1055633.869	453.5730	ng/ml		100
T AR1016 3	5.550	0.0	4020131.077	443.6339	ng/ml	m	100
T AR1016 4	5.673	0.0	2983983.699	457.2556	ng/ml		100
T AR1016 2 #2	5.748	0.0	2136701.274	430.5962	ng/ml		100
T AR1016 5	6.061	0.0	3165687.870	588.6778	ng/ml		100
T AR1016 3 #2	6.226	0.0	2597776.262	425.6619	ng/ml	m	100
T AR1016 4 #2	6.377	0.0	1872220.722	437.4378	ng/ml		100
T AR1016 5 #2	6.963	0.0	1566031.992	440.5609	ng/ml		100
T AR1260 1	7.585	0.0	4588532.806	452.9202	ng/ml		100
T AR1260 2	8.064	0.0	7169439.080	457.5514	ng/ml		100
T AR1260 3	8.623	0.0	7604494.025	465.7863	ng/ml		100
T AR1260 1 #2	9.382	0.0	3290911.131	465.6775	ng/ml		100
T AR1260 4	9.438	0.0	4275463.243	456.0717	ng/ml		100
T AR1260 2 #2	9.783	0.0	3471985.375	417.9227	ng/ml		100
T AR1260 3 #2	10.354	0.0	4355735.094	433.0246	ng/ml		100
T AR1260 5	10.422	0.0	8064304.512	703.0203	ng/ml		100
T AR1260 4 #2	10.867	0.0	2906259.002	451.8755	ng/ml		100
T AR1260 5 #2	11.553	0.0	4396689.072	459.1524	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

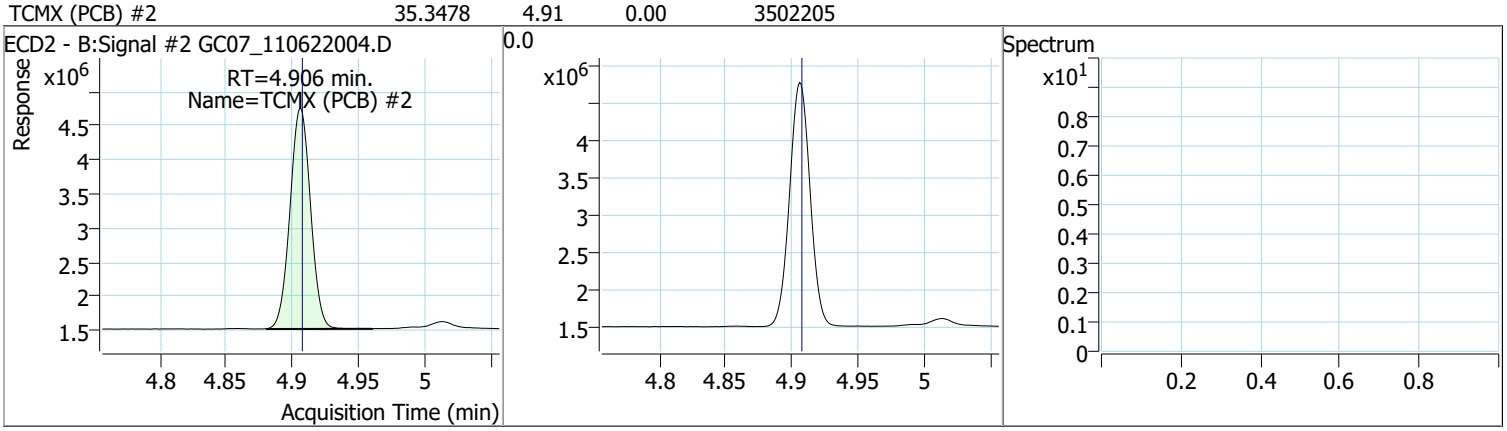
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.2592	4.52	0.00	5774090				



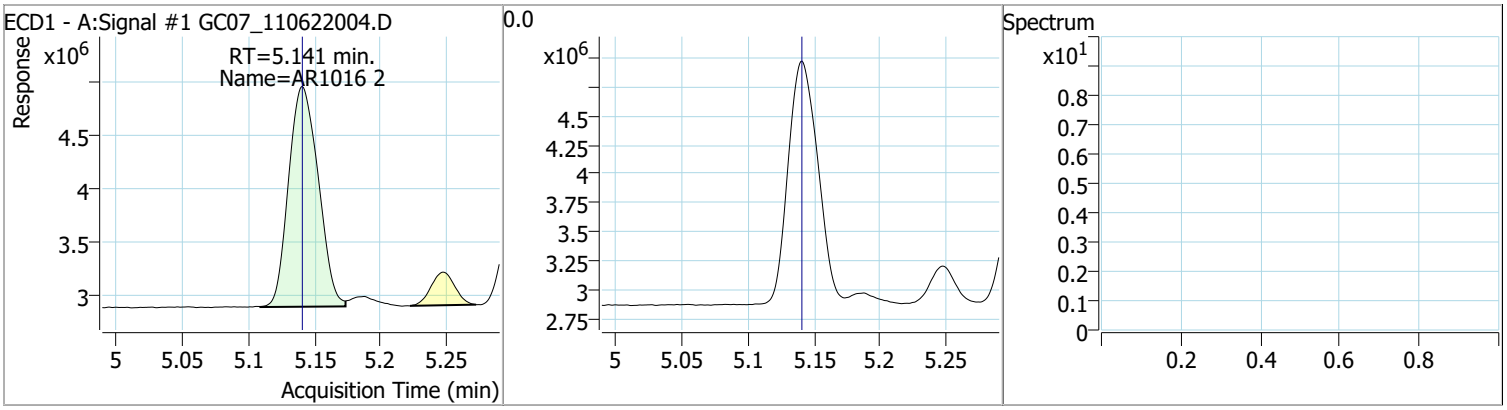
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	460.7992	4.84	0.00	1685196				



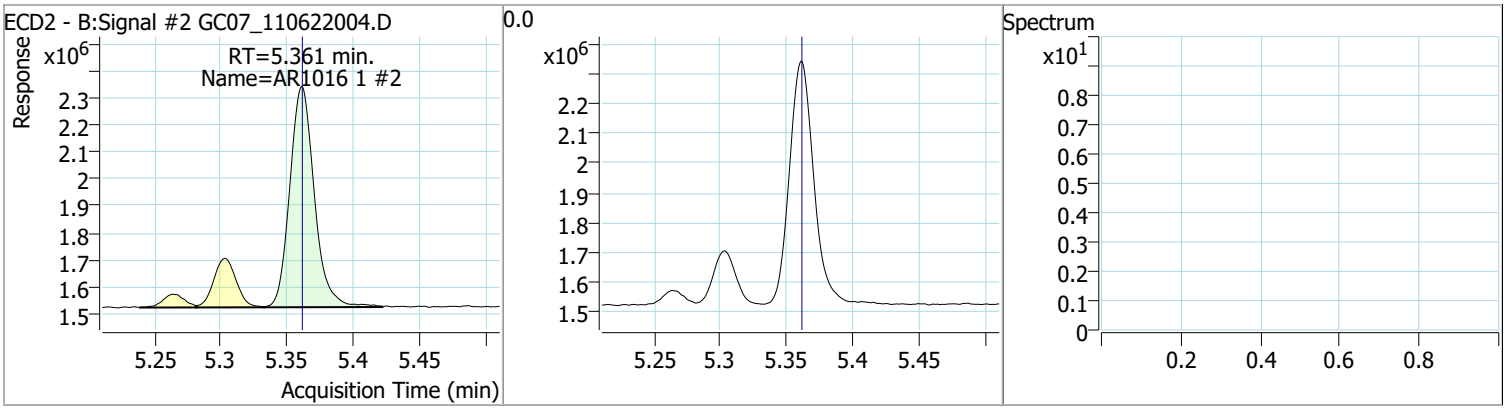
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.3478	4.91	0.00	3502205				



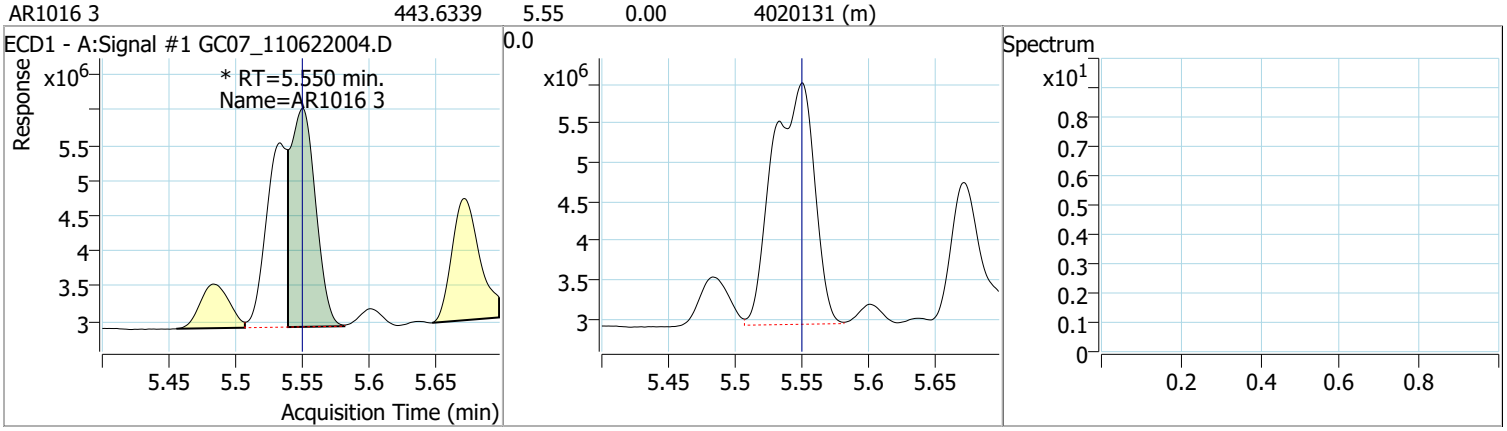
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	432.9992	5.14	0.00	3241450				



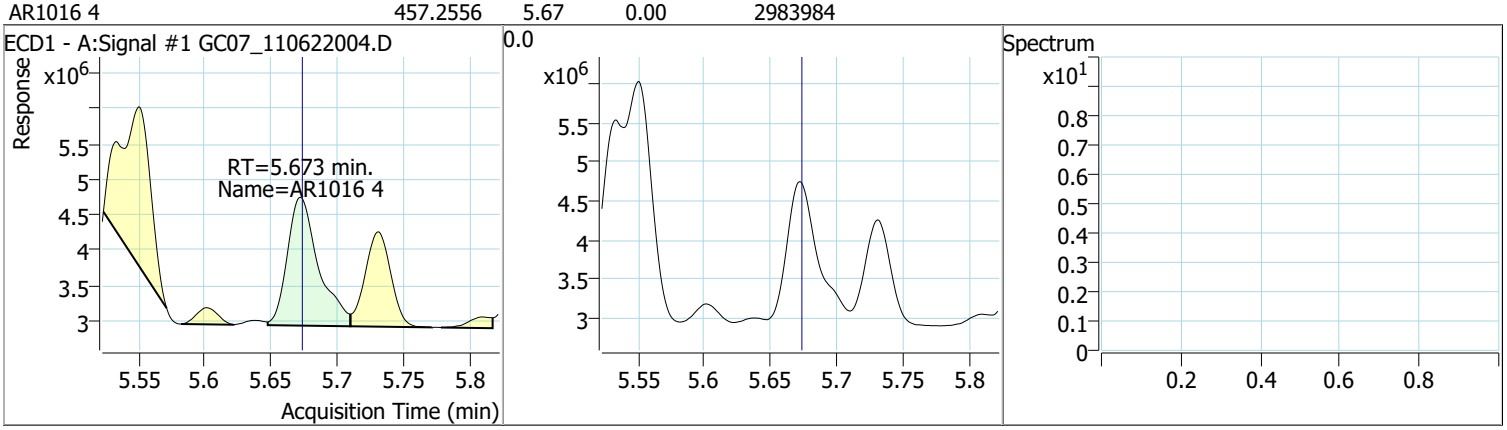
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	453.5730	5.36	0.00	1055634				



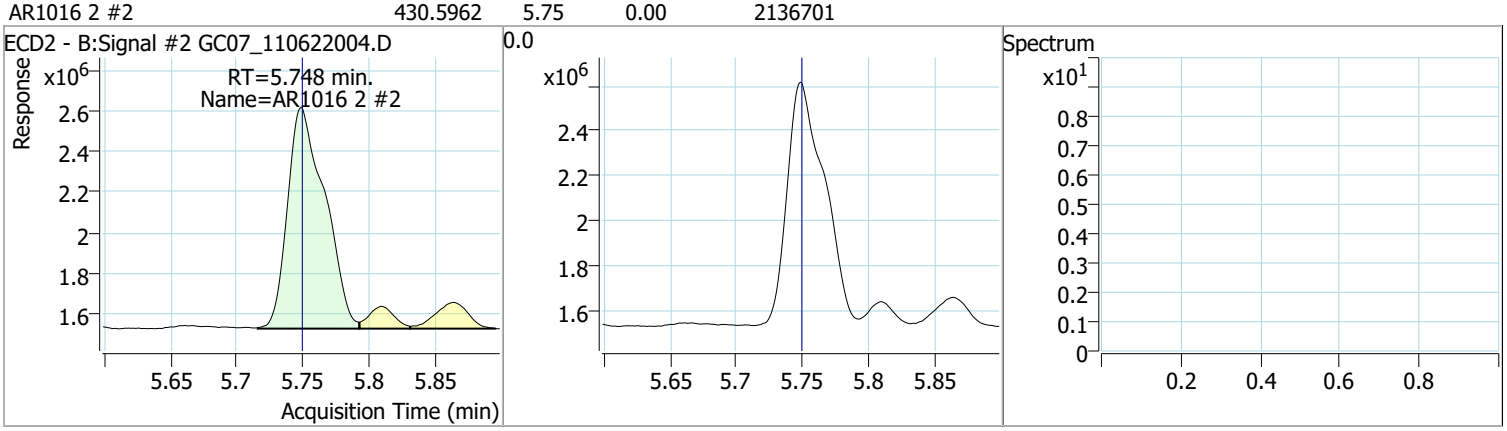
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	443.6339	5.55	0.00	4020131 (m)				



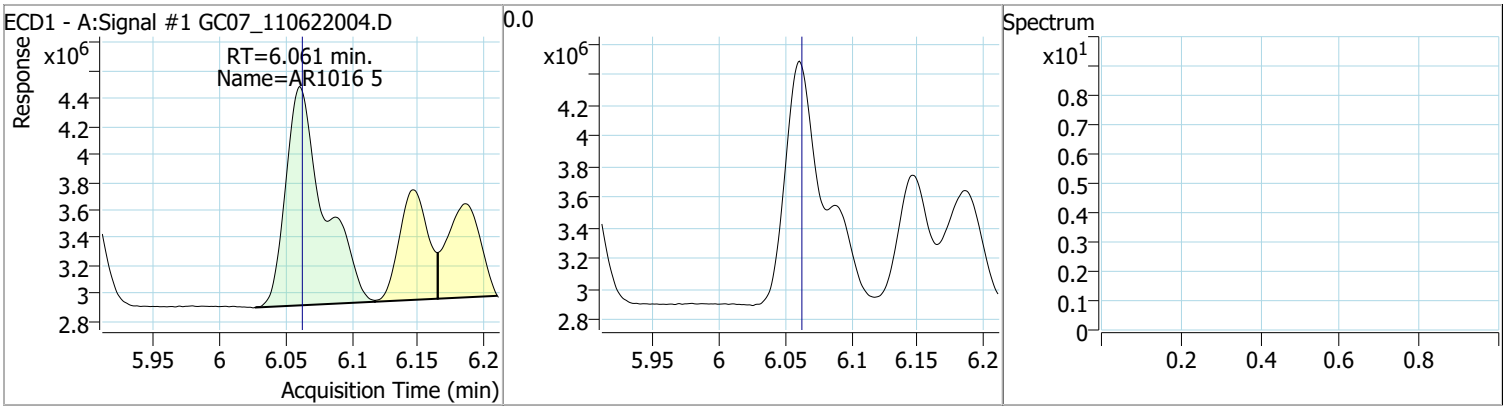
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	457.2556	5.67	0.00	2983984				



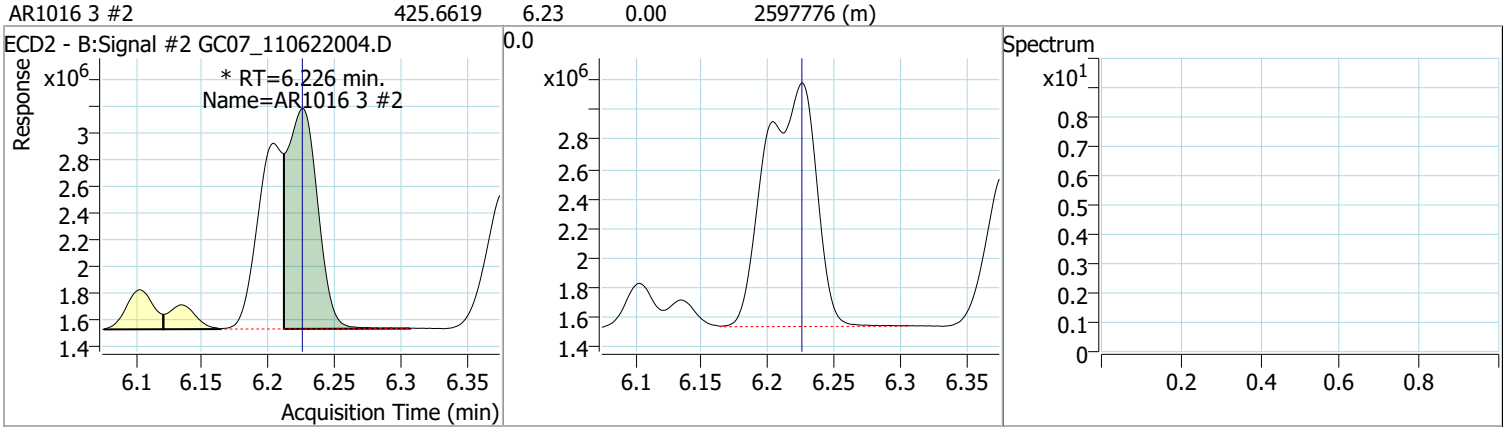
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	430.5962	5.75	0.00	2136701				



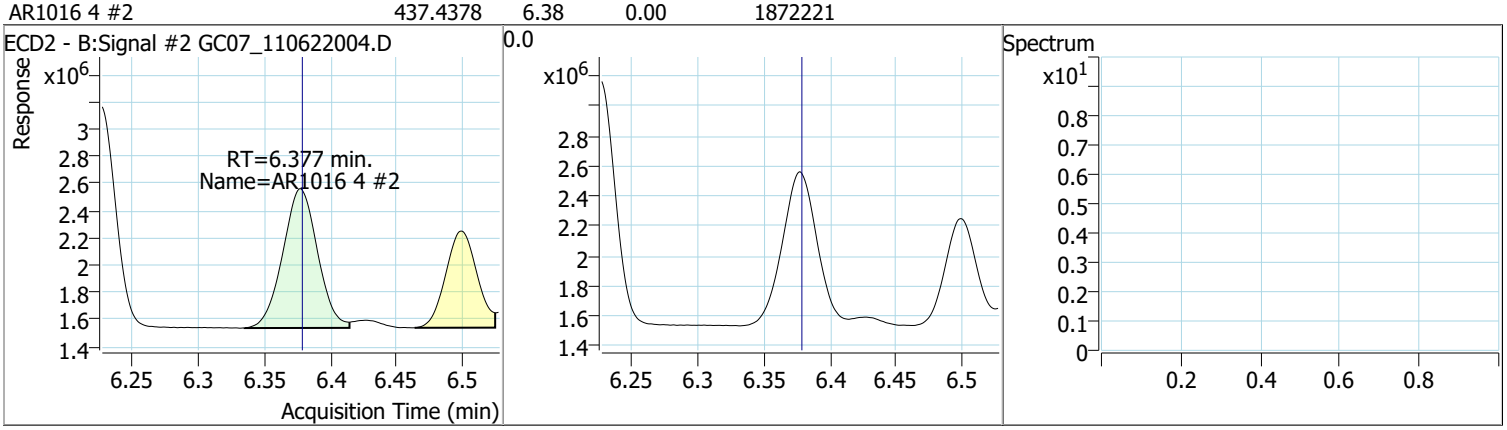
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	588.6778	6.06	0.00	3165688				



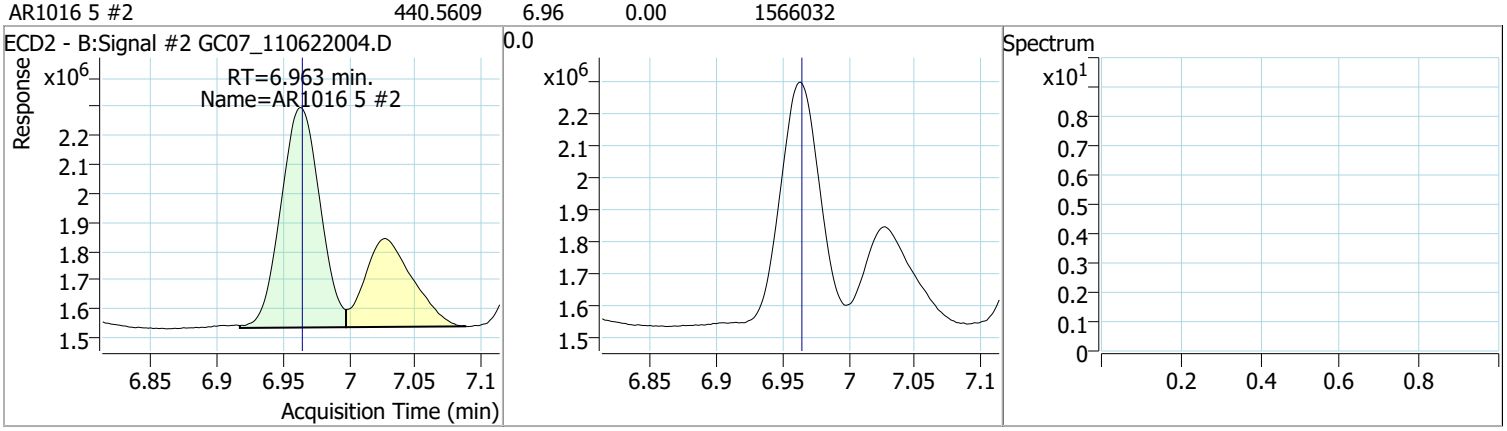
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AR1016 3 #2	425.6619	6.23	0.00	2597776 (m)				



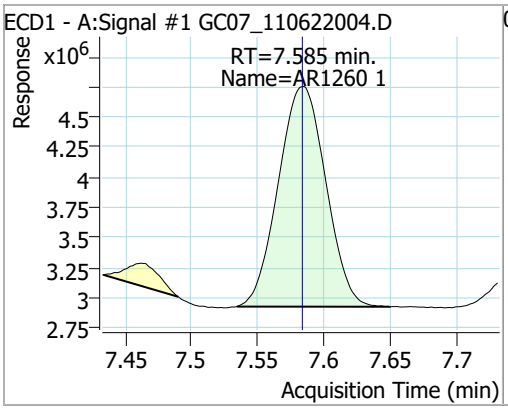
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	437.4378	6.38	0.00	1872221				

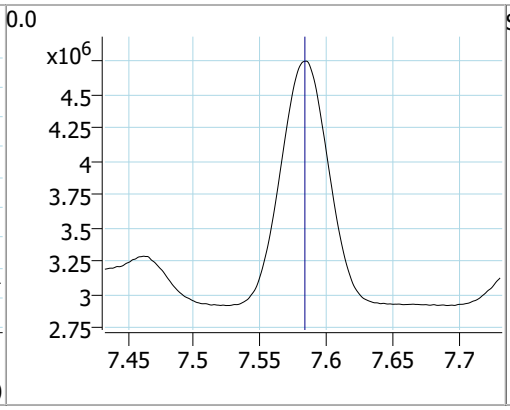


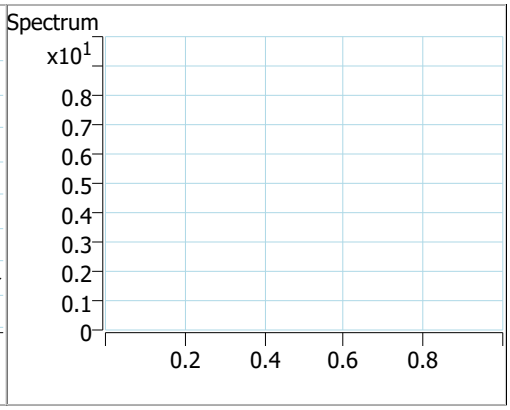
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	440.5609	6.96	0.00	1566032				



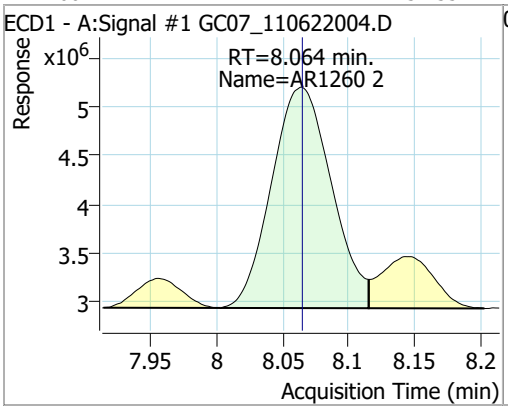
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	452.9202	7.59	0.00	4588533				

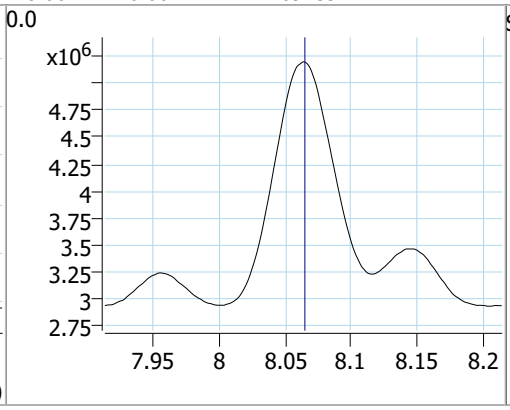


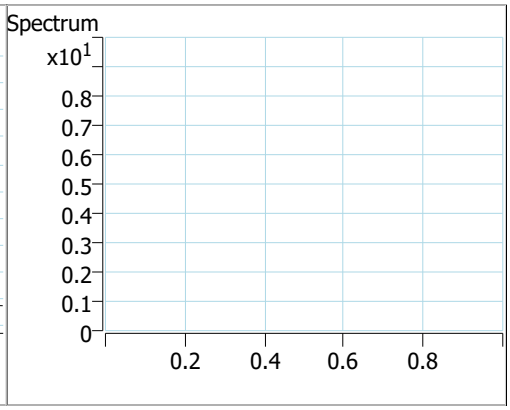




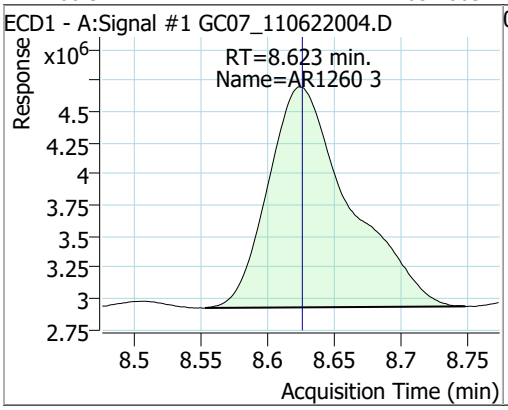
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	457.5514	8.06	0.00	7169439				

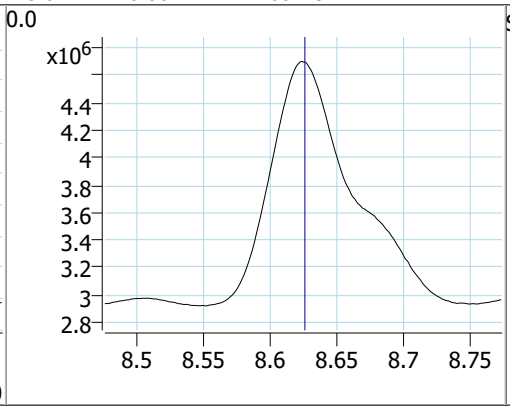


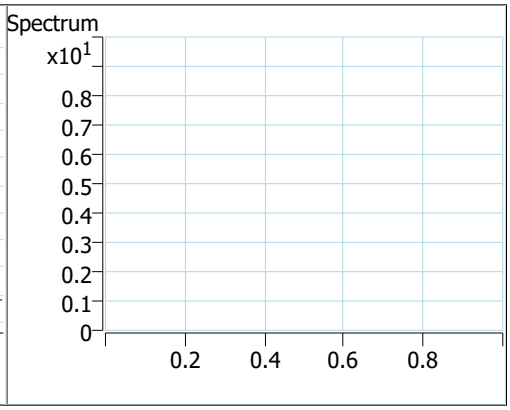




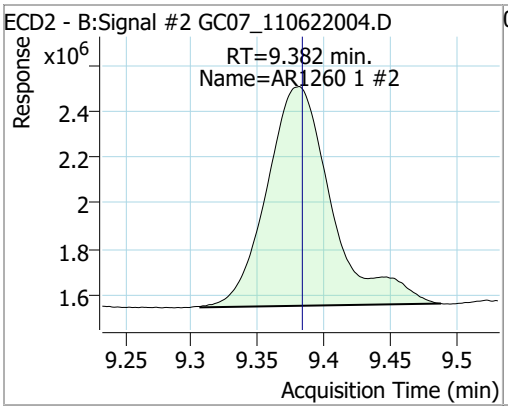
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	465.7863	8.62	0.00	7604494				

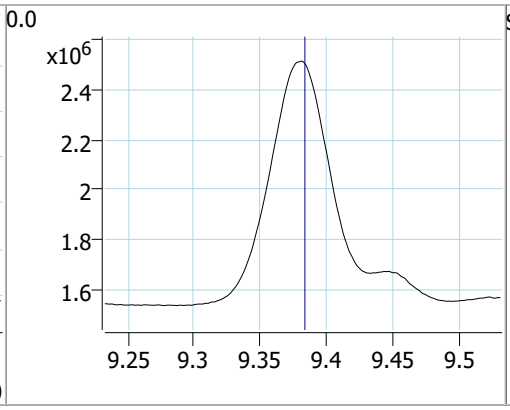


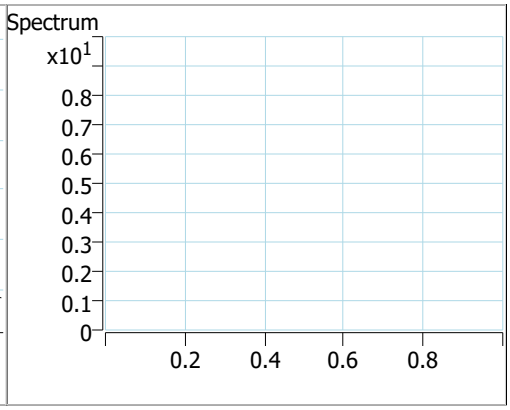




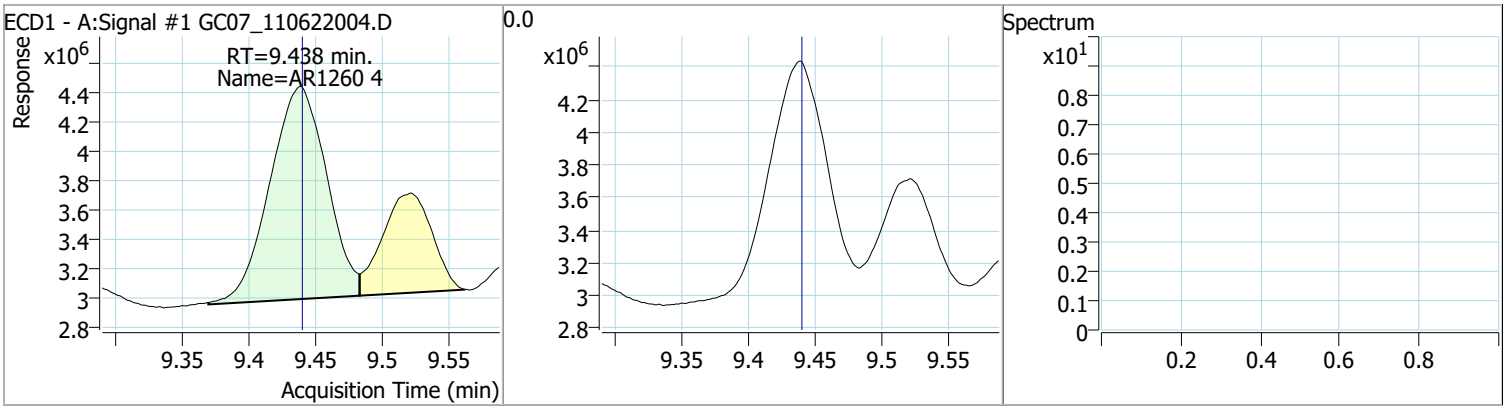
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	465.6775	9.38	0.00	3290911				



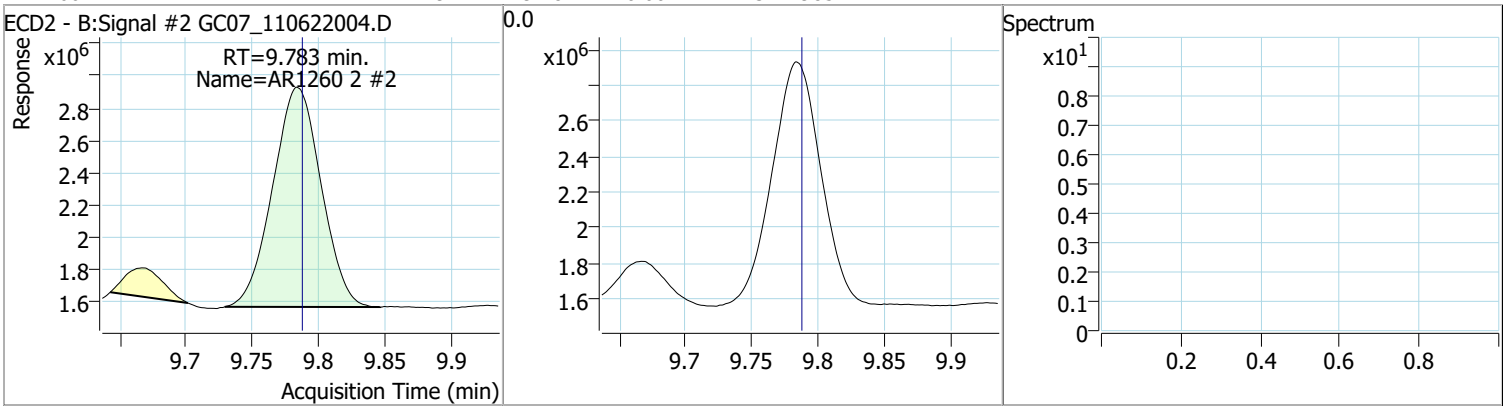




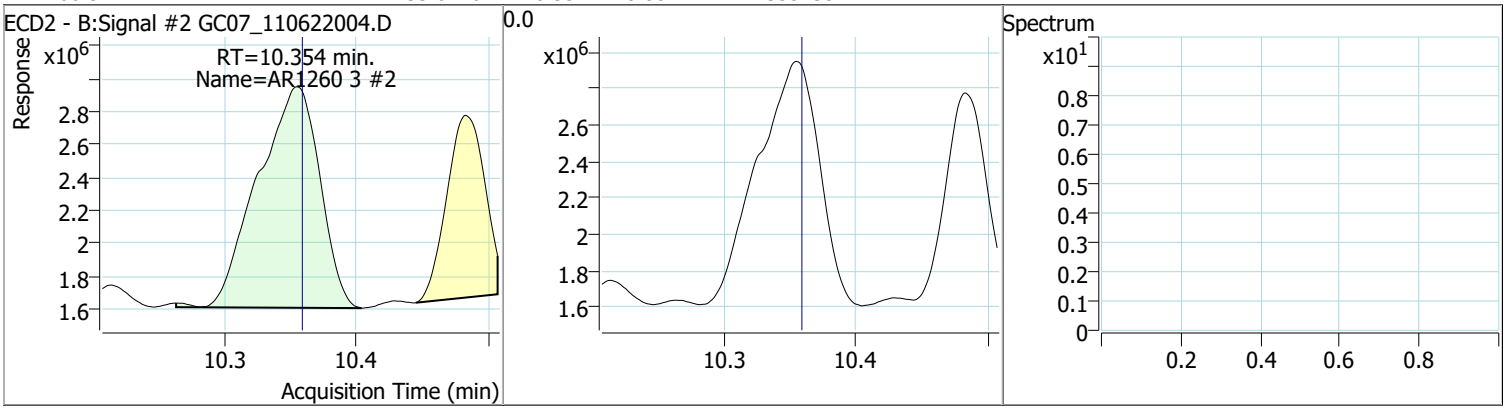
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	456.0717	9.44	0.00	4275463				



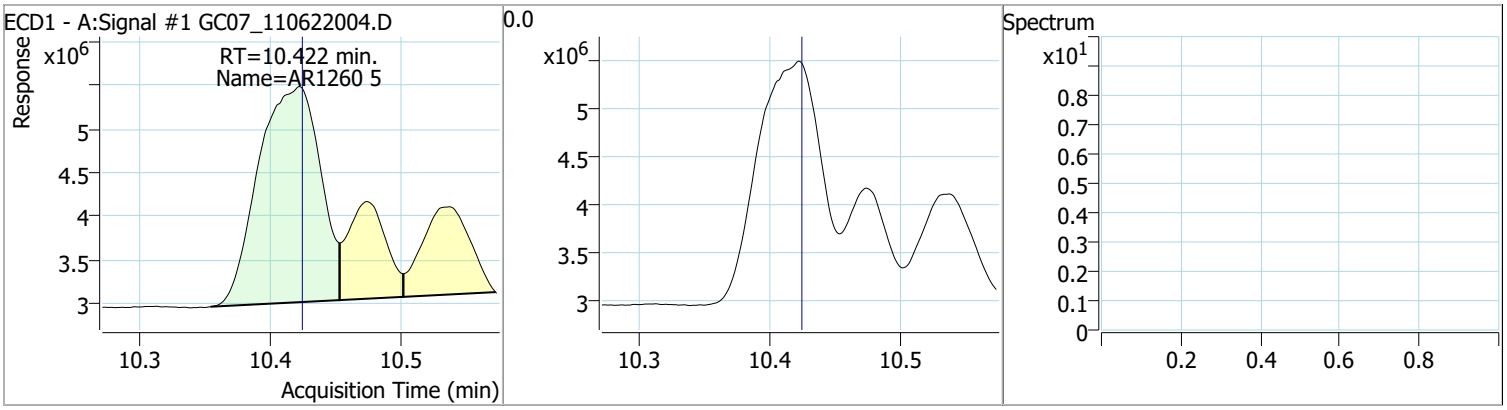
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	417.9227	9.78	0.00	3471985				



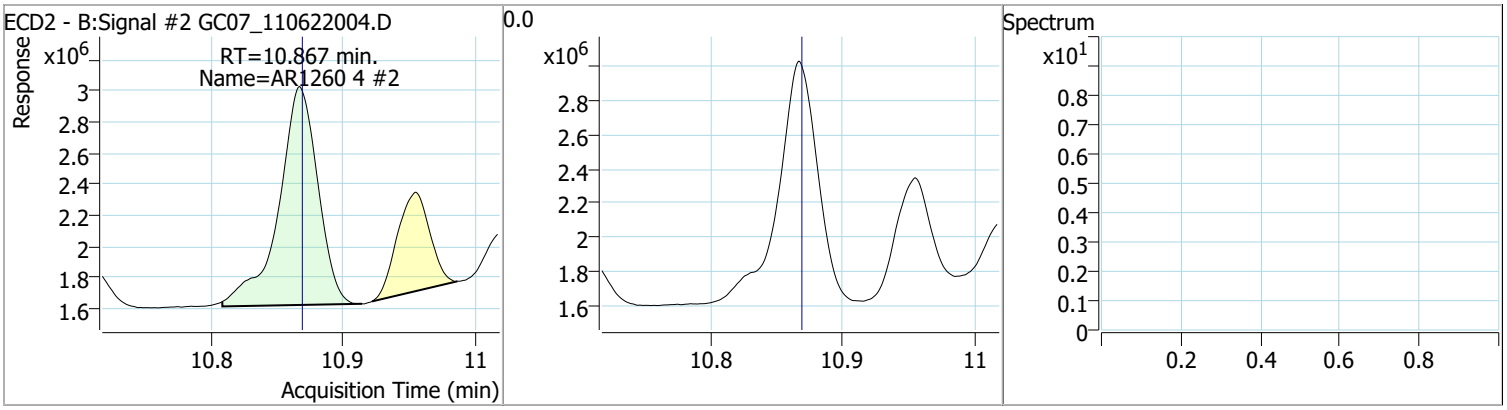
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	433.0246	10.35	0.00	4355735				



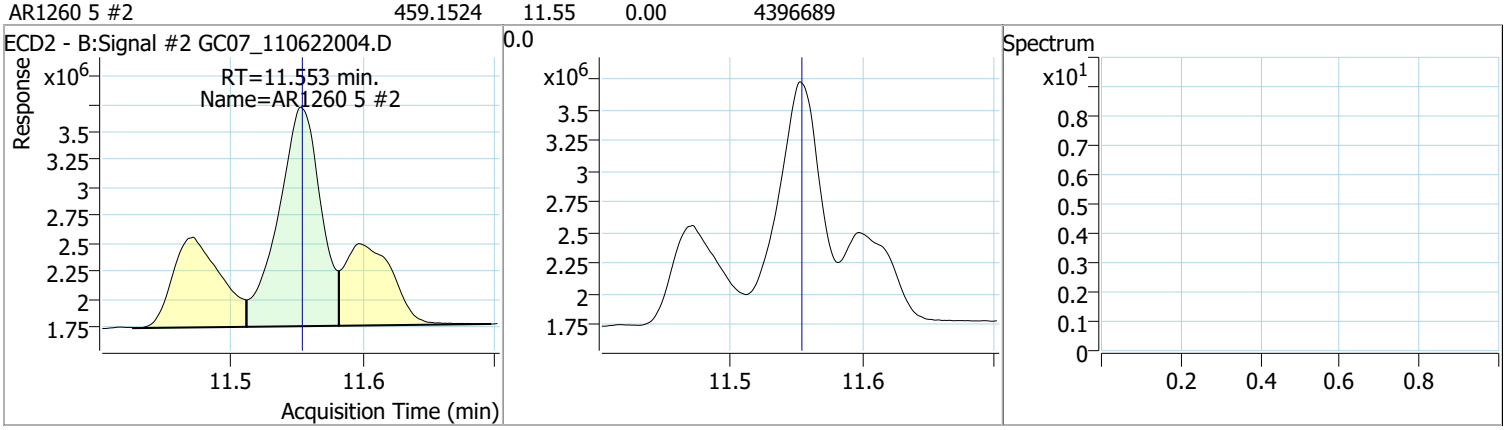
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	703.0203	10.42	0.00	8064305				



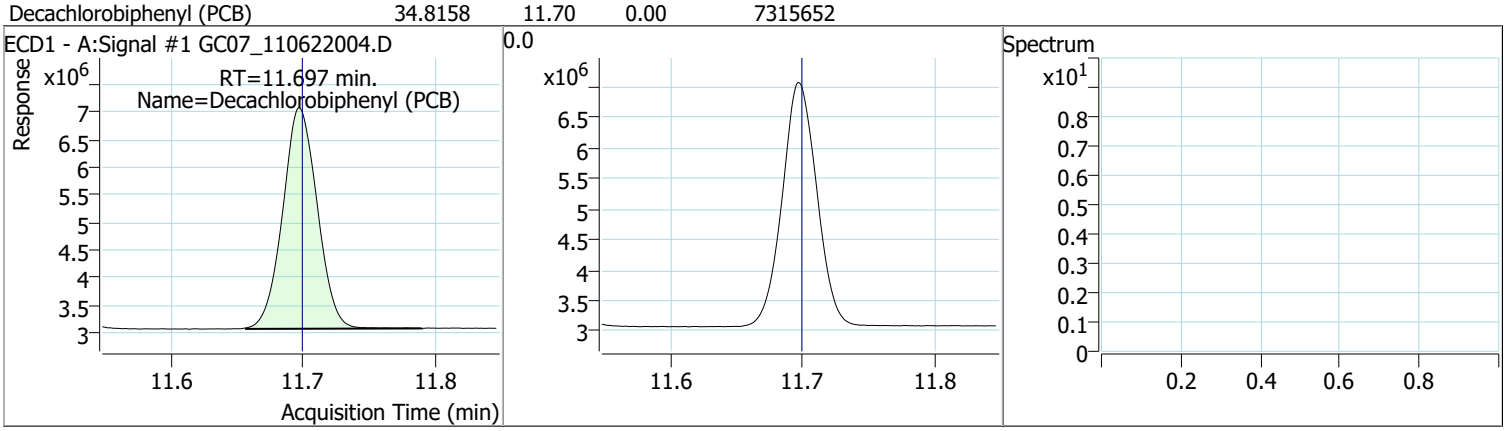
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	451.8755	10.87	0.00	2906259				



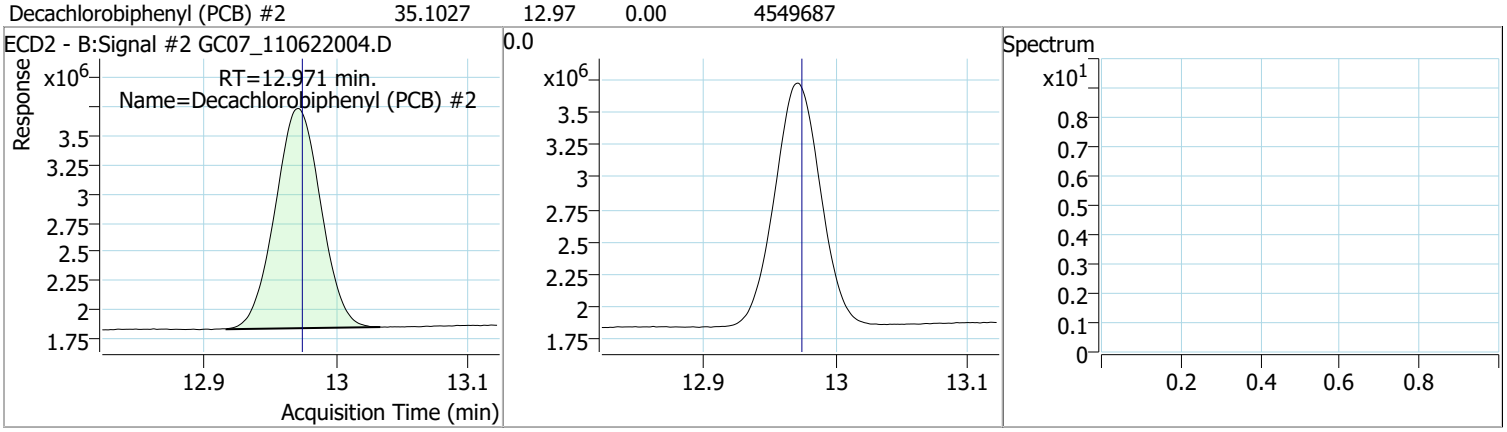
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	459.1524	11.55	0.00	4396689				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	34.8158	11.70	0.00	7315652				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	35.1027	12.97	0.00	4549687				



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enthalpy.com

Lab Job Number: 471955
Report Level: IV
Report Date: 01/12/2023

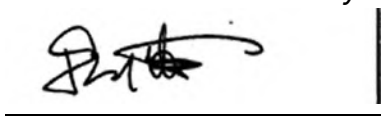
Metals

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



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(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	471955
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	11/01/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-L-LA	471955-003	11/01/22 07:32	Wipe
ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-L-LA	471955-005	11/01/22 07:51	Wipe
ARCH-C2W-PS-4.5-221101-L-G	471955-007	11/01/22 08:05	Wipe
ARCH-C2W-INT-4.5 TO 5.5-221101-L-WF	471955-009	11/01/22 08:20	Wipe
ARCH-C2W-INT-4.5 TO 5.5-221101-L-DUP-WF	471955-010	11/01/22 08:20	Wipe
ARCH-C2W-DG-5 TO 5.5-221101-L-FB	471955-012	11/01/22 08:35	Wipe

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 471955 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 11/01/22

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 11/02/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

471955

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level IV data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	DW&MK

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B								HOLD
1	ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-P- LA	11/1/2022	0732	WP	1		X									
2	ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-P-DUP- LA	11/1/2022	0732	WP	1		X									
3	ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-L- LA	11/1/2022	0732	WP	1			X								
4	ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-P- LA	11/1/2022	0751	WP	1		X									
5	ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-L- LA	11/1/2022	0751	WP	1			X								
6	ARCH-C2W-PS-4.5-221101-P- G7	11/1/2022	0805	WP	1		X									
7	ARCH-C2W-PS-4.5-221101-L- G7	11/1/2022	0805	WP	1			X								
8	ARCH-C2W-INT-4.5 TO 5.5-221101-P- WF	11/1/2022	0820	WP	1		X									
9	ARCH-C2W-INT-4.5 TO 5.5-221101-L- WF	11/1/2022	0820	WP	1			X								
10	ARCH-C2W-INT-4.5 TO 5.5-221101-L-DUP- WF	11/1/2022	0820	WP	1			X								
11	ARCH-C2W-DG-5 TO 5.5-221101-P- FB	11/1/2022	0835	WP	1		X									
12	ARCH-C2W-DG-5 TO 5.5-221101-L- FB	11/1/2022	0835	WP	1			X								
13																
14																
15																

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure D (low occupancy)

2x Rivet Type 2 = 18.546 cm²

2x Rivet Type 2 = 0.0200 ft²

3x Rivet Type 2 = 0.0300 ft²

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon Consultants	11/1/22 13:11
1 Received By:		Jak Peterson	EA	11.1.22 13:11
2 Relinquished By:		Jak Peterson	EA	11.1.22 15:07
2 Received By:		Jak Peterson	EA	11.1.22 15:07
3 Relinquished By:		Jak Peterson	EA	11.1.22 15:53
3 Received By:		Zain Padilla	EA/GL	11/2/22 1041am

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 471955 Client: Rincon

Date Received: 11.1.22 Project: 20-10491

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 11.1.22 By (print) Jak Peterson (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☑ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☑ B ☐ C

Cooler Temp (°C): #1: 0.3, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 11.1.22 **By (print)** JP for MY **(sign)** _____

Date Labeled 11.1.22 **By (print)** Jak Peterson **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hangar 1 - NCTRA WP

Date Received: 11/02/22

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.7 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: GLS 558101265

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 5.7 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/02/22

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 471955 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-L-LA
Type: SAMPLE
Lab ID: 471955-003
Matrix: Wipe
Diln Fac: 1.000

Batch#: 300310
Sampled: 11/01/22
Received: 11/01/22
Prepared: 11/03/22
Analyzed: 11/04/22

Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

471955-003 Analyte	Result	RL	Units
Lead	**92**	0.53	ug/ft2

Field ID: ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-L-LA
Type: SAMPLE
Lab ID: 471955-005
Matrix: Wipe
Diln Fac: 1.000

Batch#: 300310
Sampled: 11/01/22
Received: 11/01/22
Prepared: 11/03/22
Analyzed: 11/04/22

Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

471955-005 Analyte	Result	RL	Units
Lead	**58**	0.53	ug/ft2

Field ID: ARCH-C2W-PS-4.5-221101-L-G
Type: SAMPLE
Lab ID: 471955-007
Matrix: Wipe
Diln Fac: 1.000

Batch#: 300310
Sampled: 11/01/22
Received: 11/01/22
Prepared: 11/03/22
Analyzed: 11/04/22

Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

471955-007 Analyte	Result	RL	Units
Lead	**58**	0.54	ug/ft2

Field ID: ARCH-C2W-INT-4.5 TO 5.5-221101-L-WF
Type: SAMPLE
Lab ID: 471955-009
Matrix: Wipe
Diln Fac: 1.000

Batch#: 300310
Sampled: 11/01/22
Received: 11/01/22
Prepared: 11/03/22
Analyzed: 11/04/22

Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

471955-009 Analyte	Result	RL	Units
Lead	**120**	0.54	ug/ft2

Field ID: ARCH-C2W-INT-4.5 TO 5.5-221101-L-DUP-WF
Type: SAMPLE
Lab ID: 471955-010
Matrix: Wipe
Diln Fac: 1.000

Batch#: 300310
Sampled: 11/01/22
Received: 11/01/22
Prepared: 11/03/22
Analyzed: 11/04/22

Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

471955-010 Analyte	Result	RL	Units
Lead	**110**	0.54	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 471955 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID:	ARCH-C2W-DG-5 TO 5.5-221101-L-FB	**Batch#:**	300310	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	11/01/22	**Analysis:**	EPA 6010B
Lab ID:	471955-012	**Received:**	11/01/22	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	11/03/22		
Dil n Fac:	1.000	**Analyzed:**	11/04/22		

471955-012 Analyte	Result	RL	Units
Lead	**54**	0.54	ug/ft2

Type:	BLANK	**Batch#:**	300310	**Analysis:**	EPA 6010B
Lab ID:	QC1023181	**Prepared:**	11/03/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	11/04/22		
Dil n Fac:	1.000	**Prep:**	EPA 3050B		

QC1023181 Analyte	Result	RL	Units
Lead	ND	0.54	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 471955 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 300310 **Analysis:** EPA 6010B

Lab ID: QC1023182 **Prepared:** 11/03/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 11/04/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1023182 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	99.37	99	80-120	ug/ft2

Type: BSD **Batch#:** 300310 **Analysis:** EPA 6010B

Lab ID: QC1023183 **Prepared:** 11/03/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 11/04/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1023183 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	101.1	101	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 471955 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
471955-003	MET09	11/04/22 01:15	1.0	+	
471955-005	MET09	11/04/22 01:19	1.0	+	
471955-007	MET09	11/04/22 01:22	1.0	+	
471955-009	MET09	11/04/22 01:25	1.0	+	
471955-010	MET09	11/04/22 01:29	1.0	+	
471955-012	MET09	11/04/22 01:32	1.0	+	
QC1023181	MET09	11/04/22 00:58	1.0	+	
QC1023182	MET09	11/04/22 01:02	1.0	+	
QC1023183	MET09	11/04/22 01:12	1.0	+	

Enthalpy Sequence Summary for Sequence 672443258

Instrument : MET09 Begun : 11/03/22 19:38
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				11/03/22 19:38	1.0		
002	icp data	ICAL	L1			11/03/22 19:41	1.0	1	
003	icp data	ICAL	L2			11/03/22 19:44	1.0	2	
004	icp data	ICAL	L3			11/03/22 19:48	1.0	3	
005	icp data	ICAL	L4			11/03/22 19:51	1.0	4	
006	icp data	ICAL	L5			11/03/22 19:55	1.0	5	
007	icp data	ICAL	L6			11/03/22 19:58	1.0	5	
008	icp data	ICAL	L7			11/03/22 20:01	1.0	6	
009	icp data	ICAL	L8			11/03/22 20:05	1.0	7	
010	icp data	ICAL	L9			11/03/22 20:08	1.0	8	
011	icp data	ICAL	L10			11/03/22 20:11	1.0	9	
012	icp data	ICV				11/03/22 20:15	1.0	10	
013	icp data	ICB				11/03/22 20:18	1.0		
014	icp data	CRI				11/03/22 20:21	1.0	11	
015	icp data	ICSA				11/03/22 21:01	1.0	12	8:MGASMGCO3=1400
016	icp data	ICSAB				11/03/22 21:04	1.0	13	8:MGASMGCO3=1400
017	icp data	ICV				11/03/22 21:09	1.0	14	
018	icp data	ICB				11/03/22 21:12	1.0		
019	icp data	BLANK	QC1022336	Water	300016	11/03/22 21:57	1.0		
020	icp data	LCS	QC1022337	Water	300016	11/03/22 22:00	1.0		
021	icp data	MSS	471087-001	Water	300016	11/03/22 22:03	25.0		
022	icp data	MS	QC1022338	Water	300016	11/03/22 22:07	25.0		
023	icp data	MSD	QC1022339	Water	300016	11/03/22 22:10	25.0		
024	icp data	SAMPLE	471087-002	Water	300016	11/03/22 22:13	25.0		
025	icp data	CCV				11/03/22 22:17	1.0	14	
026	icp data	CCB				11/03/22 22:20	1.0		
027	icp data	CCV				11/03/22 22:24	1.0	10	
028	icp data	CCB				11/03/22 22:27	1.0		
029	icp data	BLANK	QC1022618	Water	300109	11/03/22 22:30	1.0		
030	icp data	LCS	QC1022619	Water	300109	11/03/22 22:34	1.0		
031	icp data	SAMPLE	471540-013	Water	300109	11/03/22 22:37	1.0		3:SULFUR=430
032	icp data	SAMPLE	471540-014	Water	300109	11/03/22 22:40	1.0		3:SULFUR=440
033	icp data	SAMPLE	471540-015	Water	300109	11/03/22 22:44	1.0		3:SULFUR=450
034	icp data	SAMPLE	471593-003	Water	300109	11/03/22 22:47	1.0		2:NA=260
035	icp data	SAMPLE	471639-001	Water	300109	11/03/22 22:50	1.0		4:FE=42
036	icp data	MSS	471771-003	Water	300109	11/03/22 22:54	1.0		3:SILSI=36
037	icp data	MS	QC1022620	Water	300109	11/03/22 22:57	1.0		3:SILSI=40
038	icp data	MSD	QC1022621	Water	300109	11/03/22 23:01	1.0		3:SILSI=39
039	icp data	CCV				11/03/22 23:04	1.0	10	
040	icp data	CCB				11/03/22 23:07	1.0		
041	icp data	CCV				11/03/22 23:11	1.0	14	
042	icp data	CCB				11/03/22 23:14	1.0		
043	icp data	BLANK	QC1023098	Soil	300283	11/03/22 23:17	1.0		
044	icp data	LCS	QC1023099	Soil	300283	11/03/22 23:21	1.0		
045	icp data	SAMPLE	470925-001	Soil	300283	11/03/22 23:24	1.0		5:CA=2300
046	icp data	MSS	471401-001	Soil	300283	11/03/22 23:27	1.0		7:SR=55
047	icp data	MS	QC1023100	Soil	300283	11/03/22 23:31	1.0		5:FEASFE2O3=89
048	icp data	MSD	QC1023101	Soil	300283	11/03/22 23:34	1.0		7:CAASCACO3=6800
049	icp data	PDS	QC1023102	Soil	300283	11/03/22 23:38	1.0		7:SR=55
050	icp data	SAMPLE	471401-002	Soil	300283	11/03/22 23:41	1.0		2:CA=2200
051	icp data	CCV				11/03/22 23:44	1.0	10	
052	icp data	CCB				11/03/22 23:48	1.0		

Enthalpy Sequence Summary for Sequence 672443258

Instrument : MET09 Begun : 11/03/22 19:38
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	icp data	SAMPLE	471401-003	Soil	300283	11/03/22 23:51	1.0		3:CA=3000
054	icp data	SAMPLE	471401-004	Soil	300283	11/03/22 23:54	1.0		2:SR=58
055	icp data	SAMPLE	471401-005	Soil	300283	11/03/22 23:58	1.0		4:CA=2900
056	icp data	SAMPLE	471401-006	Soil	300283	11/04/22 00:01	1.0		3:SR=60
057	icp data	SAMPLE	471401-007	Soil	300283	11/04/22 00:05	1.0		3:CA=2500
058	icp data	SAMPLE	471401-008	Soil	300283	11/04/22 00:08	1.0		3:CA=2700
059	icp data	SAMPLE	471401-009	Soil	300283	11/04/22 00:11	1.0		4:CA=3000
060	icp data	SAMPLE	471401-010	Soil	300283	11/04/22 00:15	1.0		3:SR=65
061	icp data	SAMPLE	471401-011	Soil	300283	11/04/22 00:18	1.0		4:SR=57
062	icp data	SAMPLE	471401-012	Soil	300283	11/04/22 00:21	1.0		3:SR=51
063	icp data	CCV				11/04/22 00:25	1.0	10	
064	icp data	CCB				11/04/22 00:28	1.0		
065	icp data	SAMPLE	471401-013	Soil	300283	11/04/22 00:31	1.0		4:SR=59
066	icp data	BLANK	QC1023046	WET Leachate	300268	11/04/22 00:35	1.0		
067	icp data	BS	QC1023047	WET Leachate	300268	11/04/22 00:38	1.0		
068	icp data	BSD	QC1023048	WET Leachate	300268	11/04/22 00:42	1.0		
069	icp data	SAMPLE	471284-001	WET Leachate	300268	11/04/22 00:45	1.0		
070	icp data	SAMPLE	471367-001	WET Leachate	300268	11/04/22 00:48	1.0		
071	icp data	SAMPLE	471508-001	WET Leachate	300268	11/04/22 00:52	1.0		2:SULFUR=53
072	icp data	SAMPLE	471877-002	WET Leachate	300268	11/04/22 00:55	1.0		
073	icp data	BLANK	QC1023181	Wipe	300310	11/04/22 00:58	1.0		
074	icp data	BS	QC1023182	Wipe	300310	11/04/22 01:02	1.0		
075	icp data	CCV				11/04/22 01:05	1.0	10	
076	icp data	CCB				11/04/22 01:08	1.0		
077	icp data	BSD	QC1023183	Wipe	300310	11/04/22 01:12	1.0		
078	icp data	SAMPLE	471955-003	Wipe	300310	11/04/22 01:15	1.0		2:ZN=52
079	icp data	SAMPLE	471955-005	Wipe	300310	11/04/22 01:19	1.0		1:FE=22
080	icp data	SAMPLE	471955-007	Wipe	300310	11/04/22 01:22	1.0		1:ZN=41
081	icp data	SAMPLE	471955-009	Wipe	300310	11/04/22 01:25	1.0		1:ZN=250
082	icp data	SAMPLE	471955-010	Wipe	300310	11/04/22 01:29	1.0		1:ZN=210
083	icp data	SAMPLE	471955-012	Wipe	300310	11/04/22 01:32	1.0		
084	icp data	SAMPLE	471964-002	Wipe	300310	11/04/22 01:35	1.0		1:FE=26
085	icp data	SAMPLE	471964-004	Wipe	300310	11/04/22 01:39	1.0		
086	icp data	SAMPLE	471964-007	Wipe	300310	11/04/22 01:42	1.0		
087	icp data	CCV				11/04/22 01:45	1.0	10	
088	icp data	CCB				11/04/22 01:49	1.0		
089	icp data	SAMPLE	471964-009	Wipe	300310	11/04/22 01:52	1.0		
090	icp data	SAMPLE	471964-010	Wipe	300310	11/04/22 01:56	1.0		
091	icp data	SAMPLE	471964-012	Wipe	300310	11/04/22 01:59	1.0		
092	icp data	SAMPLE	471964-014	Wipe	300310	11/04/22 02:02	1.0		
093	icp data	SAMPLE	471964-015	Wipe	300310	11/04/22 02:06	1.0		
094	icp data	BLANK	QC1022594	Drinking Water	300096	11/04/22 02:09	1.0		
095	icp data	LCS	QC1022595	Drinking Water	300096	11/04/22 02:12	1.0		
096	icp data	SAMPLE	471525-001	Drinking Water	300096	11/04/22 02:16	1.0		
097	icp data	MSS	471879-001	Drinking Water	300096	11/04/22 02:19	1.0		
098	icp data	MS	QC1022596	Drinking Water	300096	11/04/22 02:22	1.0		
099	icp data	CCV				11/04/22 02:26	1.0	10	
100	icp data	CCB				11/04/22 02:29	1.0		
101	icp data	MSD	QC1022597	Drinking Water	300096	11/04/22 02:33	1.0		
102	icp data	SAMPLE	471401-014	Soil	300283	11/04/22 02:36	1.0		4:SR=54

SBW 11/04/22 : I verified that the vials loaded on the instrument matched the

Enthalpy Sequence Summary for Sequence 672443258

Instrument : MET09 Begun : 11/03/22 19:38
Method : EPA 6010B

sequence data entry, for runs 001 through 102.

Standards used: 1=S17470 2=S17471 3=S17469 4=S17466 5=S17429 6=S17316 7=S17333 8=S17334 9=S17210 10=S17413 11=S17318 12=S17207 13=S17208 14=S16825

Enthalpy Internal Standard Summary for Sequence 672443258

Date : 11/03/22 Reference : icp data
Sequence : MET09 11/03/22 Analyzed : 11/03/22 19:38

#	Type	Sample ID	Y A	Y R
		ICALBLK STD	813896	199979
		LOWER LIMIT	244169	59994
		UPPER LIMIT	1627792	399957
013	ICB		833221	201325
015	ICSA		788442	190737
016	ICSAB		769132	189429
018	ICB		844536	200150
019	BLANK	QC1022336	858948	203389
020	LCS	QC1022337	837318	199515
021	MSS	471087-001	844488	199989
022	MS	QC1022338	841852	200308
023	MSD	QC1022339	841223	200294
024	SAMPLE	471087-002	838521	201001
025	CCV		840120	203592
026	CCB		839764	199321
027	CCV		804074	193544
028	CCB		830612	201495
029	BLANK	QC1022618	810737	201337
030	LCS	QC1022619	801865	197223
031	SAMPLE	471540-013	783716	190588
032	SAMPLE	471540-014	780316	189885
033	SAMPLE	471540-015	780446	189692
034	SAMPLE	471593-003	808103	196390
035	SAMPLE	471639-001	800731	198134
036	MSS	471771-003	799099	196493
037	MS	QC1022620	790417	193627
038	MSD	QC1022621	794110	194449
039	CCV		801839	194156
040	CCB		833193	201286
041	CCV		837595	203291
042	CCB		834583	198519
043	BLANK	QC1023098	819210	200976
044	LCS	QC1023099	809325	197876
045	SAMPLE	470925-001	788179	193563
046	MSS	471401-001	738716	175278
047	MS	QC1023100	738720	175520
048	MSD	QC1023101	729300	174038
049	PDS	QC1023102	736059	175660
050	SAMPLE	471401-002	755945	179506
051	CCV		803034	192515
052	CCB		829368	200555
053	SAMPLE	471401-003	740034	175914
054	SAMPLE	471401-004	738022	175882
055	SAMPLE	471401-005	742110	176834
056	SAMPLE	471401-006	740636	176123
057	SAMPLE	471401-007	749864	178210
058	SAMPLE	471401-008	749653	178470
059	SAMPLE	471401-009	743907	176662
060	SAMPLE	471401-010	736089	173598
061	SAMPLE	471401-011	734784	174772
062	SAMPLE	471401-012	725783	173346

Enthalpy Internal Standard Summary for Sequence 672443258

Date : 11/03/22 Reference : icp data
Sequence : MET09 11/03/22 Analyzed : 11/03/22 19:38

#	Type	Sample ID	Y A	Y R
063	CCV		804347	193666
064	CCB		830888	200711
065	SAMPLE	471401-013	731837	175053
066	BLANK	QC1023046	821836	196352
067	BS	QC1023047	819134	197326
068	BSD	QC1023048	821419	196671
069	SAMPLE	471284-001	814185	196035
070	SAMPLE	471367-001	821930	197995
071	SAMPLE	471508-001	810602	196093
072	SAMPLE	471877-002	819832	197900
073	BLANK	QC1023181	801021	197119
074	BS	QC1023182	795454	197146
075	CCV		804159	194648
076	CCB		831795	201954
077	BSD	QC1023183	786593	195078
078	SAMPLE	471955-003	798061	196781
079	SAMPLE	471955-005	804309	198351
080	SAMPLE	471955-007	801572	199295
081	SAMPLE	471955-009	804995	198950
082	SAMPLE	471955-010	800755	197260
083	SAMPLE	471955-012	795917	197279
084	SAMPLE	471964-002	809307	199755
085	SAMPLE	471964-004	801868	198234
086	SAMPLE	471964-007	801038	198321
087	CCV		801061	194199
088	CCB		832727	201184
089	SAMPLE	471964-009	782533	192983
090	SAMPLE	471964-010	808505	199489
091	SAMPLE	471964-012	799871	199153
092	SAMPLE	471964-014	783593	189022
093	SAMPLE	471964-015	798369	197395
094	BLANK	QC1022594	837363	197225
095	LCS	QC1022595	821410	198703
096	SAMPLE	471525-001	827143	197289
097	MSS	471879-001	821581	196209
098	MS	QC1022596	816607	195158
099	CCV		797348	193846
100	CCB		828298	200276
101	MSD	QC1022597	819116	195495
102	SAMPLE	471401-014	733997	174805

ENTHALPY INITIAL CALIBRATION FOR 471955 METALS Wipe: EPA 6010B

Instrument:	MET09		
Calibration #:	672443258001	Date:	03-NOV-2022 19:38
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	672443258002	L1	03-NOV-2022 19:41	S17470
L2	icp data	672443258003	L2	03-NOV-2022 19:44	S17471
L3	icp data	672443258004	L3	03-NOV-2022 19:48	S17469
L4	icp data	672443258005	L4	03-NOV-2022 19:51	S17466
L5	icp data	672443258006	L5	03-NOV-2022 19:55	S17429 (2X)
L6	icp data	672443258007	L6	03-NOV-2022 19:58	S17429

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00402	1.03E-4		7113.5	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	-3427	6872.0	9656.7	9965.4	10053	9560.7

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-15	0.0100	11	0.1000	4	1.0000	3	5.0000	4	10.000	-1

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09
Calnum : 672443258001 Cal Date : 03-NOV-2022

ICV 672443258012 (03-NOV-2022) stds: S17413

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9417	mg/L	-6	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258015 File : icp data Time : 03-NOV-2022 21:01
Cal : 672443258001 Caldate : 03-NOV-2022
Standards: S17207

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.009710]	0.003333	mg/L	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	403.4	mg/L	101	
Aluminum as Al2O3	A	755.8	762.2	mg/L	101	
Iron	A	160.0	138.8	mg/L	87	
Iron as Fe2O3	A	228.8	198.4	mg/L	87	
Calcium	R	400.0	394.9	mg/L	99	
Calcium as CaCO3	R	998.9	986.3	mg/L	99	
Magnesium	R	400.0	401.9	mg/L	100	
Magnesium as MgCO3	R	1388	1394	mg/L	100	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	788442	-3.13
Yttrium	R	199979	190737	-4.62

-=low bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258016 File : icp data Time : 03-NOV-2022 21:04
Cal : 672443258001 Caldate : 03-NOV-2022
Standards: S17208

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9297	mg/L	-7	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	769132	-5.50
Yttrium	R	199979	189429	-5.28

ENTHALPY INSTRUMENT BLANK FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258018 File : icp data Time : 03-NOV-2022 21:12
Cal : 672443258001 Caldate : 03-NOV-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	844536	3.76
Yttrium	R	199979	200150	0.09

ENTHALPY CONTINUING CALIBRATION FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258063 File : icp data Time : 04-NOV-2022 00:25
Cal : 672443258001 Caldate : 03-NOV-2022
Standards: S17413

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	7113.5	9159.4	1.000	0.9199	mg/L	-8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	804347	-1.17
Yttrium	R	199979	193666	-3.16

ENTHALPY INSTRUMENT BLANK FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258064 File : icp data Time : 04-NOV-2022 00:28
Cal : 672443258001 Caldate : 03-NOV-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	830888	2.09
Yttrium	R	199979	200711	0.37

ENTHALPY CONTINUING CALIBRATION FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258075 File : icp data Time : 04-NOV-2022 01:05
Cal : 672443258001 Caldate : 03-NOV-2022
Standards: S17413

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	7113.5	9238.1	1.000	0.9278	mg/L	-7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	804159	-1.20
Yttrium	R	199979	194648	-2.67

ENTHALPY INSTRUMENT BLANK FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258076 File : icp data Time : 04-NOV-2022 01:08
Cal : 672443258001 Caldate : 03-NOV-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	831795	2.20
Yttrium	R	199979	201954	0.99

ENTHALPY CONTINUING CALIBRATION FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258087 File : icp data Time : 04-NOV-2022 01:45
Cal : 672443258001 Caldate : 03-NOV-2022
Standards: S17413

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	7113.5	9077.8	1.000	0.9117	mg/L	-9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	801061	-1.58
Yttrium	R	199979	194199	-2.89

ENTHALPY INSTRUMENT BLANK FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258088 File : icp data Time : 04-NOV-2022 01:49
Cal : 672443258001 Caldate : 03-NOV-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	832727	2.31
Yttrium	R	199979	201184	0.60

SAMPLE PREPARATION SUMMARY

Batch # : 300310 Analysis : ICP
Started By : PAJ Prep Date : 03-NOV-2022 15:50 Finished By : PAJ
Method : 3050B Units : ft2
Spike #1 ID : S17423 Spike #2 ID : S17422

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
471955-003		Wipe	1.02	100	1	98.04						6010	
471955-005		Wipe	1.03	100	1	97.09						6010	
471955-007		Wipe	1	100	1	100.0						6010	
471955-009		Wipe	1	100	1	100.0						6010	
471955-010		Wipe	1	100	1	100.0						6010	
471955-012		Wipe	1	100	1	100.0						6010	
471964-002		Wipe	1	100	1	100.0						6010	
471964-004		Wipe	1	100	1	100.0						6010	
471964-007		Wipe	1.03	100	1	97.09						6010	
471964-009		Wipe	1	100	1	100.0						6010	
471964-010		Wipe	1	100	1	100.0						6010	
471964-012		Wipe	1	100	1	100.0						6010	
471964-014		Wipe	1	100	1	100.0						6010	
471964-015		Wipe	1	100	1	100.0						6010	
QC1023181	BLANK	Wipe	1	100	1	100.0						ICP	
QC1023182	BS	Wipe	1	100	1	100.0		1	1			ICP	
QC1023183	BSD	Wipe	1	100	1	100.0		1	1			ICP	

Analyst: SBW Date: 11/04/22 Reviewer: _____ Date: _____

ICP Prep Log

Initials: PRJ Prep Method: WIPE 3050B / 3010A / 200.7 / STLC QC Batch #: 300310 Thermometer ID: 915625

Prep Start, Date/Time: 11/3/22 13:45 Prep End, Date/Time: 11/3/22 15:55 HotBlock Temperature, °C: 94

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Vol. or Weight (mL or g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----		NA	100	21D0500000	
LCS	-----	-----	-----					
LCSD	—	—						
471955-3		NA	WIPE	1 WIPE				
-5								
-7								
-9								
-10								
-11								
471960-2								
-4								
-7								
-9								PRJ 11-3-22
-10								
-12								
-14								
-15								
			PRJ 11-3-22					

Hydrochloric Acid ID: 10ml 22160149

Nitric Acid ID: 10ml 20220725-2

H_2O_2 ID: 3ml 223401

LCS Spike ID: 1.0ml (S17422, S17423)

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 672443258

Instrument : MET09 Begun : 11/03/22 19:38
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				11/03/22 19:38	1.0		
002	icp data	ICAL	L1			11/03/22 19:41	1.0	1	
003	icp data	ICAL	L2			11/03/22 19:44	1.0	2	
004	icp data	ICAL	L3			11/03/22 19:48	1.0	3	
005	icp data	ICAL	L4			11/03/22 19:51	1.0	4	
006	icp data	ICAL	L5			11/03/22 19:55	1.0	5	
007	icp data	ICAL	L6			11/03/22 19:58	1.0	5	
008	icp data	ICAL	L7			11/03/22 20:01	1.0	6	
009	icp data	ICAL	L8			11/03/22 20:05	1.0	7	
010	icp data	ICAL	L9			11/03/22 20:08	1.0	8	
011	icp data	ICAL	L10			11/03/22 20:11	1.0	9	
012	icp data	ICV				11/03/22 20:15	1.0	10	
013	icp data	ICB				11/03/22 20:18	1.0		
014	icp data	CRI				11/03/22 20:21	1.0	11	
015	icp data	ICSA				11/03/22 21:01	1.0	12	8:MGASMGCO3=1400
016	icp data	ICSAB				11/03/22 21:04	1.0	13	8:MGASMGCO3=1400
017	icp data	ICV				11/03/22 21:09	1.0	14	
018	icp data	ICB				11/03/22 21:12	1.0		
019	icp data	BLANK	QC1022336	Water	300016	11/03/22 21:57	1.0		
020	icp data	LCS	QC1022337	Water	300016	11/03/22 22:00	1.0		
021	icp data	MSS	471087-001	Water	300016	11/03/22 22:03	25.0		
022	icp data	MS	QC1022338	Water	300016	11/03/22 22:07	25.0		
023	icp data	MSD	QC1022339	Water	300016	11/03/22 22:10	25.0		
024	icp data	SAMPLE	471087-002	Water	300016	11/03/22 22:13	25.0		
025	icp data	CCV				11/03/22 22:17	1.0	14	
026	icp data	CCB				11/03/22 22:20	1.0		
027	icp data	CCV				11/03/22 22:24	1.0	10	
028	icp data	CCB				11/03/22 22:27	1.0		
029	icp data	BLANK	QC1022618	Water	300109	11/03/22 22:30	1.0		
030	icp data	LCS	QC1022619	Water	300109	11/03/22 22:34	1.0		
031	icp data	SAMPLE	471540-013	Water	300109	11/03/22 22:37	1.0		3:SULFUR=430
032	icp data	SAMPLE	471540-014	Water	300109	11/03/22 22:40	1.0		3:SULFUR=440
033	icp data	SAMPLE	471540-015	Water	300109	11/03/22 22:44	1.0		3:SULFUR=450
034	icp data	SAMPLE	471593-003	Water	300109	11/03/22 22:47	1.0		2:NA=260
035	icp data	SAMPLE	471639-001	Water	300109	11/03/22 22:50	1.0		4:FE=42
036	icp data	MSS	471771-003	Water	300109	11/03/22 22:54	1.0		3:SILSI=36
037	icp data	MS	QC1022620	Water	300109	11/03/22 22:57	1.0		3:SILSI=40
038	icp data	MSD	QC1022621	Water	300109	11/03/22 23:01	1.0		3:SILSI=39
039	icp data	CCV				11/03/22 23:04	1.0	10	
040	icp data	CCB				11/03/22 23:07	1.0		
041	icp data	CCV				11/03/22 23:11	1.0	14	
042	icp data	CCB				11/03/22 23:14	1.0		
043	icp data	BLANK	QC1023098	Soil	300283	11/03/22 23:17	1.0		
044	icp data	LCS	QC1023099	Soil	300283	11/03/22 23:21	1.0		
045	icp data	SAMPLE	470925-001	Soil	300283	11/03/22 23:24	1.0		5:CA=2300
046	icp data	MSS	471401-001	Soil	300283	11/03/22 23:27	1.0		7:SR=55
047	icp data	MS	QC1023100	Soil	300283	11/03/22 23:31	1.0		5:FEASFE2O3=89
048	icp data	MSD	QC1023101	Soil	300283	11/03/22 23:34	1.0		7:CAASCACO3=6800
049	icp data	PDS	QC1023102	Soil	300283	11/03/22 23:38	1.0		7:SR=55
050	icp data	SAMPLE	471401-002	Soil	300283	11/03/22 23:41	1.0		2:CA=2200
051	icp data	CCV				11/03/22 23:44	1.0	10	
052	icp data	CCB				11/03/22 23:48	1.0		

Enthalpy Sequence Summary for Sequence 672443258

Instrument : MET09 Begun : 11/03/22 19:38
Method : EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	icp data	SAMPLE	471401-003	Soil	300283	11/03/22 23:51	1.0		3:CA=3000
054	icp data	SAMPLE	471401-004	Soil	300283	11/03/22 23:54	1.0		2:SR=58
055	icp data	SAMPLE	471401-005	Soil	300283	11/03/22 23:58	1.0		4:CA=2900
056	icp data	SAMPLE	471401-006	Soil	300283	11/04/22 00:01	1.0		3:SR=60
057	icp data	SAMPLE	471401-007	Soil	300283	11/04/22 00:05	1.0		3:CA=2500
058	icp data	SAMPLE	471401-008	Soil	300283	11/04/22 00:08	1.0		3:CA=2700
059	icp data	SAMPLE	471401-009	Soil	300283	11/04/22 00:11	1.0		4:CA=3000
060	icp data	SAMPLE	471401-010	Soil	300283	11/04/22 00:15	1.0		3:SR=65
061	icp data	SAMPLE	471401-011	Soil	300283	11/04/22 00:18	1.0		4:SR=57
062	icp data	SAMPLE	471401-012	Soil	300283	11/04/22 00:21	1.0		3:SR=51
063	icp data	CCV				11/04/22 00:25	1.0	10	
064	icp data	CCB				11/04/22 00:28	1.0		
065	icp data	SAMPLE	471401-013	Soil	300283	11/04/22 00:31	1.0		4:SR=59
066	icp data	BLANK	QC1023046	WET Leachate	300268	11/04/22 00:35	1.0		
067	icp data	BS	QC1023047	WET Leachate	300268	11/04/22 00:38	1.0		
068	icp data	BSD	QC1023048	WET Leachate	300268	11/04/22 00:42	1.0		
069	icp data	SAMPLE	471284-001	WET Leachate	300268	11/04/22 00:45	1.0		
070	icp data	SAMPLE	471367-001	WET Leachate	300268	11/04/22 00:48	1.0		
071	icp data	SAMPLE	471508-001	WET Leachate	300268	11/04/22 00:52	1.0		2:SULFUR=53
072	icp data	SAMPLE	471877-002	WET Leachate	300268	11/04/22 00:55	1.0		
073	icp data	BLANK	QC1023181	Wipe	300310	11/04/22 00:58	1.0		
074	icp data	BS	QC1023182	Wipe	300310	11/04/22 01:02	1.0		
075	icp data	CCV				11/04/22 01:05	1.0	10	
076	icp data	CCB				11/04/22 01:08	1.0		
077	icp data	BSD	QC1023183	Wipe	300310	11/04/22 01:12	1.0		
078	icp data	SAMPLE	471955-003	Wipe	300310	11/04/22 01:15	1.0		2:ZN=52
079	icp data	SAMPLE	471955-005	Wipe	300310	11/04/22 01:19	1.0		1:FE=22
080	icp data	SAMPLE	471955-007	Wipe	300310	11/04/22 01:22	1.0		1:ZN=41
081	icp data	SAMPLE	471955-009	Wipe	300310	11/04/22 01:25	1.0		1:ZN=250
082	icp data	SAMPLE	471955-010	Wipe	300310	11/04/22 01:29	1.0		1:ZN=210
083	icp data	SAMPLE	471955-012	Wipe	300310	11/04/22 01:32	1.0		
084	icp data	SAMPLE	471964-002	Wipe	300310	11/04/22 01:35	1.0		1:FE=26
085	icp data	SAMPLE	471964-004	Wipe	300310	11/04/22 01:39	1.0		
086	icp data	SAMPLE	471964-007	Wipe	300310	11/04/22 01:42	1.0		
087	icp data	CCV				11/04/22 01:45	1.0	10	
088	icp data	CCB				11/04/22 01:49	1.0		
089	icp data	SAMPLE	471964-009	Wipe	300310	11/04/22 01:52	1.0		
090	icp data	SAMPLE	471964-010	Wipe	300310	11/04/22 01:56	1.0		
091	icp data	SAMPLE	471964-012	Wipe	300310	11/04/22 01:59	1.0		
092	icp data	SAMPLE	471964-014	Wipe	300310	11/04/22 02:02	1.0		
093	icp data	SAMPLE	471964-015	Wipe	300310	11/04/22 02:06	1.0		
094	icp data	BLANK	QC1022594	Drinking Water	300096	11/04/22 02:09	1.0		
095	icp data	LCS	QC1022595	Drinking Water	300096	11/04/22 02:12	1.0		
096	icp data	SAMPLE	471525-001	Drinking Water	300096	11/04/22 02:16	1.0		
097	icp data	MSS	471879-001	Drinking Water	300096	11/04/22 02:19	1.0		
098	icp data	MS	QC1022596	Drinking Water	300096	11/04/22 02:22	1.0		
099	icp data	CCV				11/04/22 02:26	1.0	10	
100	icp data	CCB				11/04/22 02:29	1.0		
101	icp data	MSD	QC1022597	Drinking Water	300096	11/04/22 02:33	1.0		
102	icp data	SAMPLE	471401-014	Soil	300283	11/04/22 02:36	1.0		4:SR=54

SBW 11/04/22 : I verified that the vials loaded on the instrument matched the

Enthalpy Sequence Summary for Sequence 672443258

Instrument : MET09 Begun : 11/03/22 19:38
Method : EPA 6010B

sequence data entry, for runs 001 through 102.

Standards used: 1=S17470 2=S17471 3=S17469 4=S17466 5=S17429 6=S17316 7=S17333 8=S17334 9=S17210 10=S17413 11=S17318 12=S17207 13=S17208 14=S16825

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 471955-003	Client ID	: ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-L-LA
Seqnum	: 672443258078.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 300310	Time	: 04-NOV-2022 01:15
Cal	: 672443258001	Caldate	: 03-NOV-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.02 ft2 --> 100.0 ml = 98.04 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.9344	92	**0.53**		**y** !<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	813896	798061	-1.95

!=warning -=low bias <=opening a=ICSA u=use y=RL raised

Instrument ID: MET09

Label: 471955-003,300310 | Rack:Tube: 1:52 | Type: Sample

Date Time: 11/4/2022 1:15:40 AM | Weight: 1 | Volume: 1

Dilution: 1 | LIMS ID: | Customer:

Customer Ref.: | Sample Date Time: | Sample Site:

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	-0.00092878	mg/L	171.46538328	50.08081155	-0.00085370	-0.00050575	-0.00142690	176.45955031	199.60484617	138.33175337	u	u	u
Al 396.152	Al		1.43933396	mg/L	44486.44347157	3.99659133	1.37901892	1.44539550	1.49358746	42673.69470301	44668.62105504	46117.01465665			
As 188.980	As		0.02676091	mg/L	127.80703947	7.50234814	0.02444306	0.02788055	0.02795911	118.56410143	132.27187185	132.58514514			
B 249.678	B		0.00322509	mg/L	407.57009819	25.18199953	0.00230077	0.00355015	0.00382436	380.26680093	417.17196294	425.27153071			
Ba 230.424	Ba		0.00725227	mg/L	820.65752077	2.59310507	0.00713015	0.00715782	0.00746883	809.98433604	812.40305744	839.58516883			
Be 313.107	Be		0.00009666	mg/L	346.79799547	34.32169182	0.00013345	0.00006901	0.00008753	415.67175563	295.01811510	329.70411568			
Ca 317.933	Ca-R		5.70164261	mg/L	59873.06284189	0.53187561	5.70218291	5.73169450	5.67105042	59878.51132033	60176.11054113	59564.56666421			
Cd 214.439	Cd		0.00026715	mg/L	262.09402809	15.20384681	0.00022501	0.00027038	0.00030605	254.67138867	262.66357397	268.94712162			
Co 230.786	Co		0.00558232	mg/L	263.90758750	1.57066085	0.00557767	0.00549706	0.00567224	263.75252156	261.06689545	266.90334550			
Cr 267.716	Cr		0.02177927	mg/L	1211.90260583	3.50538804	0.02093316	0.02198801	0.02241664	1165.25450192	1223.41097274	1247.04234283			
Cu 324.754	Cu		0.21758660	mg/L	8936.18629110	3.77914905	0.20855156	0.21957580	0.22463245	8609.17752943	9008.18194602	9191.19939787			
Fe 259.940	Fe	o	43.24243383	mg/L	2206162.99101906	3.79855295	41.45549024	43.58525539	44.68655585	2114998.91130244	2223652.63798961	2279837.42376512	o	o	o
K 766.491	K-R		2.23777487	mg/L	2966.42063886	1.40801431	2.21014793	2.23108638	2.27209030	2929.81555305	2957.55853790	3011.88782565			
Li 670.783	Li-R		0.00461770	mg/L	452.49535134	11.31695534	0.00427458	0.00521914	0.00435938	417.70132171	513.48397591	426.30075640			
Mg 279.800	Mg-R		2.61651571	mg/L	5376.77404823	0.95428752	2.60140368	2.64533614	2.60280732	5346.29794395	5434.89556119	5349.12863954			
Mn 257.610	Mn		0.29160092	mg/L	117565.58935966	3.88035901	0.27942508	0.29358461	0.30179306	112662.37120551	118364.42255172	121669.97432174			
Mo 204.598	Mo		0.00240437	mg/L	63.95027333	29.90301064	0.00321209	0.00183432	0.00216669	71.96490887	58.29394327	61.59196784			
Na 589.592	Na-R		4.06190800	mg/L	38270.46365537	0.37410036	4.05411300	4.07941929	4.05219173	38197.46089855	38434.46250522	38179.46756236			
Ni 231.604	Ni		0.05712170	mg/L	1086.31283881	4.28509993	0.05490476	0.05671186	0.05974847	1044.32328319	1078.55041282	1136.06482042			
P 177.434	P		0.25808706	mg/L	241.19558075	4.66638780	0.24496308	0.26066623	0.26863188	229.16982373	243.55892400	250.85799453			
Pb 220.353	Pb		0.93437988	mg/L	9311.41396695	3.82723536	0.89516117	0.94279717	0.96518131	8919.33080511	9395.56452765	9619.34656810			
S 181.972	S		2.53571428	mg/L	3612.62421318	3.20886086	2.44744986	2.55195884	2.60773414	3492.60389297	3634.71327107	3710.55547550			
Sb 206.834	Sb		0.04864910	mg/L	150.00558301	22.84411871	0.03741623	0.04889192	0.05963917	108.84951947	150.89522324	190.27200631			
Se 196.026	Se		0.00438741	mg/L	46.26334045	41.31679829	0.00416336	0.00269712	0.00630177	45.52016661	40.65679535	52.61305940			
Si 251.611	Si		2.87009780	mg/L	21297.89571725	3.56053784	2.75920642	2.89061056	2.96047642	20475.98634677	21449.93304324	21967.76776175			
Sn 189.925	Sn		0.04018551	mg/L	413.24374612	2.34121268	0.03927466	0.04012818	0.04115369	404.03249776	412.66397075	423.03476986			
Sr 421.552	Sr-R		0.00965632	mg/L	3867.65272829	0.84386184	0.00964262	0.00974379	0.00958255	3862.31180874	3901.75410204	3838.89227408			
Ti 334.941	Ti		0.10337121	mg/L	30088.43519507	3.56454269	0.09930674	0.10431388	0.10649301	28910.33835019	30361.66995876	30993.29727626			
Tl 190.794	Tl		0.00506709	mg/L	14.62368655	18.63878863	0.00566034	0.00556294	0.00397799	16.52178953	16.21015427	11.13911585			
V 292.401	V		0.00471970	mg/L	95.09989601	3.91822358	0.00460882	0.00493318	0.00461708	91.44680633	102.13386004	91.71902166			
Zn 206.200	Zn	o	52.49775534	mg/L	2863773.56559158	3.90993498	50.22360031	53.05651952	54.21314618	2739720.20221004	2894253.71129841	2957346.78326628	o	o	o
Y 371.029	Y		0.98	Ratio	798061.30	0.81	0.97	0.98	0.99	791018.84	799362.50	803802.57			
Y 371.029	Y-R		0.98	Ratio	196781.18	0.48	0.99	0.98	0.99	197053.67	195730.97	197558.91			

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 471955-005	Client ID	: ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-L-LA
Seqnum	: 672443258079.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 300310	Time	: 04-NOV-2022 01:19
Cal	: 672443258001	Caldate	: 03-NOV-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.03 ft2 --> 100.0 ml = 97.09 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.6013	58	**0.53**		**y** !<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	813896	804309	-1.18

!=warning -=low bias <=opening a=ICSA u=use y=RL raised

Instrument ID: MET09

Label: 471955-005,300310 **Rack:Tube:** 1:53 **Type:** Sample

Date Time: 11/4/2022 1:19:02 AM **Weight:** 1 **Volume:** 1

Dilution: 1 **LIMS ID:** **Customer:**

Customer Ref.: **Sample Date Time:** **Sample Site:**

Description: **Flags Replicate 1:**

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	0.00072028	mg/L	283.25916523	138.11619900	0.00178749	-0.00018139	0.00055473	354.24782647	223.28212616	272.24754306	u	
Al 396.152	Al		0.60998236	mg/L	19547.25523184	3.81117171	0.58439929	0.61573294	0.62981485	18778.36450348	19720.08706929	20143.31412277		
As 188.980	As		0.01252322	mg/L	70.94698681	16.49111037	0.01395961	0.01015648	0.01345358	76.67490387	61.50904714	74.65700941		
B 249.678	B		0.00289783	mg/L	388.58956781	6.51674980	0.00308178	0.00290727	0.00270445	394.02320819	388.86828168	382.87721356		
Ba 230.424	Ba		0.00589793	mg/L	701.43083040	5.75661633	0.00557901	0.00585991	0.00625485	673.55759462	698.10857750	732.62631908		
Be 313.107	Be		0.00004830	mg/L	258.15965376	51.81414215	0.00006997	0.00005401	0.00002091	298.74302675	268.85255651	206.88337803		
Ca 317.933	Ca-R		5.82435756	mg/L	61085.87179168	0.65721294	5.78941009	5.86526725	5.81839534	60733.45628770	61498.41122342	61025.74786392		
Cd 214.439	Cd		0.00013626	mg/L	161.08159403	10.07987761	0.00012934	0.00012737	0.00015208	159.86178751	159.51471273	163.86828185		
Co 230.786	Co		0.00340125	mg/L	187.66220687	13.50525942	0.00290828	0.00381725	0.00347822	171.23730977	201.52251827	190.22679257		
Cr 267.716	Cr		0.01350815	mg/L	751.56963827	4.01355152	0.01292207	0.01361062	0.01399175	719.25740467	757.21940811	778.23210204		
Cu 324.754	Cu		0.09228811	mg/L	4427.39210740	2.79479628	0.08933716	0.09341499	0.09411219	4320.58721866	4468.17746302	4493.41164050		
Fe 259.940	Fe	o	22.37376629	mg/L	1141509.10665548	3.95618786	21.41723814	22.54013648	23.16392426	1092710.13529090	1149996.77533875	1181820.40933679	o	o
K 766.491	K-R		1.83812583	mg/L	2440.14912071	0.39440482	1.84156161	1.82979704	1.84301886	2444.70144324	2429.11364923	2446.63226965		
Li 670.783	Li-R		0.00353941	mg/L	339.03813586	8.04983492	0.00384467	0.00349303	0.00328053	369.99292326	334.33536474	312.78611959		
Mg 279.800	Mg-R		1.80530096	mg/L	3727.27243061	0.70779830	1.79475809	1.81951166	1.80163313	3706.01086052	3755.93083011	3719.87560120		
Mn 257.610	Mn		0.17138182	mg/L	69156.15182295	3.66056785	0.16458034	0.17262332	0.17694180	66417.19106509	69656.10447715	71395.15992660		
Mo 204.598	Mo		0.00040796	mg/L	43.90831699	91.42300662	0.00011039	0.00082637	0.00028712	40.95569670	48.05996238	42.70929190		
Na 589.592	Na-R		3.71815745	mg/L	35027.91326225	0.57133556	3.69412868	3.73444215	3.72590151	34802.87613004	35180.42474486	35100.43891186		
Ni 231.604	Ni		0.03883393	mg/L	740.02045448	3.91750658	0.03718832	0.03912436	0.04018909	708.85213933	745.52140456	765.68781955		
P 177.434	P		0.21139200	mg/L	198.29197147	3.34427015	0.20430067	0.21143581	0.21843951	191.79405730	198.33211669	204.74974044		
Pb 220.353	Pb		0.60126508	mg/L	5977.92386351	3.75667475	0.57633700	0.60708523	0.62037302	5728.70911181	6036.10987540	6168.95260333		
S 181.972	S		2.51481719	mg/L	3584.20752002	3.15520167	2.43005466	2.52707339	2.58732351	3468.94900608	3600.87328141	3682.80027257		
Sb 206.834	Sb		0.06306029	mg/L	198.31926271	14.82795805	0.05457808	0.06151591	0.07308689	167.24133641	192.66080088	235.05565084		
Se 196.026	Se	u	-0.00000659	mg/L	35.87067841	18694.48002615	0.00069008	0.00071847	-0.00142831	38.18144018	38.27562267	31.15497238		u
Si 251.611	Si		1.34500327	mg/L	9996.57092217	3.49271007	1.29350890	1.35598251	1.38551840	9614.90282443	10077.94729940	10296.86264269		
Sn 189.925	Sn		0.02838878	mg/L	294.12856473	2.70122356	0.02753186	0.02862408	0.02901041	285.46268663	296.50806524	300.41494233		
Sr 421.552	Sr-R		0.00817299	mg/L	3277.12008561	0.20053900	0.00819189	0.00816434	0.00816273	3284.48974756	3273.75010695	3273.12040231		
Ti 334.941	Ti		0.04402385	mg/L	12887.79844235	9.27919177	0.04001029	0.04388442	0.04817684	11724.45862210	12847.38453039	14091.55217455		
Tl 190.794	Tl		0.00301634	mg/L	7.98985456	31.11780728	0.00398285	0.00210834	0.00295784	11.08217744	5.08471053	7.80267573		
V 292.401	V		0.00145083	mg/L	31.38261163	19.32630089	0.00117076	0.00173154	0.00145019	22.15473423	40.63168520	31.36141546		
Zn 206.200	Zn		4.18222846	mg/L	228195.99465230	4.11689440	3.99293732	4.22422532	4.32952274	217870.31205433	230486.89034009	236230.78156248		
Y 371.029	Y		0.99	Ratio	804308.71	0.82	0.98	0.99	0.99	796836.69	806874.27	809215.16		
Y 371.029	Y-R		0.99	Ratio	198350.60	0.70	1.00	0.99	0.99	199944.34	197673.20	197434.27		

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 471955-007	Client ID	: ARCH-C2W-PS-4.5-221101-L-G
Seqnum	: 672443258080.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 300310	Time	: 04-NOV-2022 01:22
Cal	: 672443258001	Caldate	: 03-NOV-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.5803	58	**0.54**		**y** !<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	813896	801572	-1.51

!=warning -=low bias <=opening a=ICSA u=use y=RL raised

Instrument ID: MET09

Label: 471955-007,300310 | Rack:Tube: 1:54 | Type: Sample
Date Time: 11/4/2022 1:22:23 AM | Weight: 1 | Volume: 1
Dilution: 1 | LIMS ID: | Customer:
Customer Ref.: | Sample Date Time: | Sample Site:
Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	0.00030585	mg/L	256.25258914	401.21952617	-0.00044239	-0.00036212	0.00172208	206.48047705	211.81992215	350.45736822	u	u	
Al 396.152	Al		0.40853378	mg/L	13487.44536406	4.81000541	0.38711736	0.41275009	0.42573389	12843.78196739	13614.16504501	14004.38907979			
As 188.980	As		0.01334740	mg/L	74.20686424	10.94637401	0.01176714	0.01464916	0.01362589	67.90521826	79.39795166	75.31742280			
B 249.678	B		0.00374288	mg/L	407.73847191	18.46162184	0.00312660	0.00448991	0.00361213	389.53433875	429.80475324	403.87632374			
Ba 230.424	Ba		0.00418009	mg/L	550.94542462	8.03596510	0.00379310	0.00435090	0.00439627	517.12237349	565.87445427	569.83944608			
Be 313.107	Be		0.00002976	mg/L	224.07765942	67.95953433	0.00005192	0.00001231	0.00002504	265.57604490	191.41529067	215.24164270			
Ca 317.933	Ca-R		4.17298015	mg/L	44423.78403705	0.30750553	4.17439184	4.15950054	4.18504808	44438.01971725	44287.85355875	44545.47883515			
Cd 214.439	Cd		0.00016103	mg/L	135.59390941	36.08888372	0.00011144	0.00022498	0.00014667	126.85859834	146.85863485	133.06449504			
Co 230.786	Co		0.00199221	mg/L	139.37997180	19.00729471	0.00226105	0.00155916	0.00215641	148.33753526	124.95157449	144.85080566			
Cr 267.716	Cr		0.00553838	mg/L	310.48077202	5.08644148	0.00557626	0.00523965	0.00579923	312.56914040	294.01102887	324.86214678			
Cu 324.754	Cu		0.03660053	mg/L	2421.85206874	3.21481283	0.03525022	0.03740594	0.03714544	2372.97960584	2451.00253822	2441.57406217			
Fe 259.940	Fe		14.20972216	mg/L	725005.24039884	4.45142663	13.51633459	14.35764161	14.75519028	689630.85029649	732551.61207162	752833.25882840			
K 766.491	K-R		1.57080472	mg/L	2087.12726624	3.23623480	1.62002041	1.51849215	1.57390161	2152.33697132	2017.81425545	2091.23057195			
Li 670.783	Li-R		0.00404088	mg/L	388.18175203	7.37385459	0.00398235	0.00377653	0.00436378	382.24595981	361.37467775	420.92461852			
Mg 279.800	Mg-R		1.63920273	mg/L	3387.08506862	0.74730508	1.63972957	1.62669796	1.65118065	3388.14753630	3361.86698195	3411.24068762			
Mn 257.610	Mn		0.10912804	mg/L	44087.13498144	4.52896338	0.10377523	0.11009050	0.11351838	41931.55507174	44474.71923517	45855.13063740			
Mo 204.598	Mo		0.00132987	mg/L	52.99981222	50.01798422	0.00139621	0.00195938	0.00063401	53.65811284	59.24618196	46.09514184			
Na 589.592	Na-R		3.29604788	mg/L	31060.28096146	0.67951340	3.30419055	3.27071855	3.31323453	31136.53973613	30823.06361079	31221.23953748			
Ni 231.604	Ni		0.01039562	mg/L	201.42329240	6.75716840	0.00992066	0.01006368	0.01120253	192.42738177	195.13612004	216.70637540			
P 177.434	P		0.21819261	mg/L	204.48287749	7.37113976	0.20151918	0.21944629	0.23361237	189.20469311	205.63164827	218.61229110			
Pb 220.353	Pb		0.58025844	mg/L	5766.41830981	4.62555246	0.55053397	0.58752223	0.60271911	5469.25248018	5839.03701861	5990.96543065			
S 181.972	S		2.14649377	mg/L	3083.34980455	3.79298601	2.05782987	2.16375852	2.21789293	2962.78627975	3106.82609017	3180.43704373			
Sb 206.834	Sb		0.05833255	mg/L	179.25377901	6.67185216	0.05389064	0.05996304	0.06114397	162.97908488	185.22772386	189.55452828			
Se 196.026	Se		0.00355931	mg/L	49.32087485	73.43891990	0.00630512	0.00327175	0.00110106	58.42845110	48.36705914	41.16711432			
Si 251.611	Si		1.02373210	mg/L	7616.25879928	4.23858304	0.97514672	1.03742107	1.05862850	7256.15170068	7717.71930107	7874.90539609			
Sn 189.925	Sn		0.01968629	mg/L	206.20435826	3.27320451	0.01967773	0.02033490	0.01904624	206.11780219	212.76360666	199.73166592			
Sr 421.552	Sr-R		0.00674626	mg/L	2710.06104559	1.20880834	0.00671395	0.00668582	0.00683902	2697.46306628	2686.49641916	2746.22365134			
Ti 334.941	Ti		0.02764178	mg/L	8139.98606396	10.97607365	0.02504791	0.03097806	0.02689938	7388.14561273	9107.01480828	7924.79777088			
Tl 190.794	Tl		0.00385009	mg/L	10.62680772	60.34218133	0.00150595	0.00389249	0.00615183	3.12673552	10.76247530	17.99121236			
V 292.401	V		0.00205112	mg/L	68.04786807	13.40784075	0.00190212	0.00188277	0.00236848	63.13843912	62.50079578	78.50436932			
Zn 206.200	Zn	o	40.78298657	mg/L	2224736.97645274	5.01178637	38.48877008	41.45031902	42.40987061	2099589.27579607	2261139.43560131	2313482.21796084	o	o	o
Y 371.029	Y		0.98	Ratio	801571.55	0.84	0.98	0.98	0.99	795267.74	800745.85	808701.05			
Y 371.029	Y-R		1.00	Ratio	199295.30	0.88	1.00	1.00	0.99	199762.87	200774.58	197348.44			

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 471955-009	Client ID	: ARCH-C2W-INT-4.5 TO 5.5-221101-L-WF
Seqnum	: 672443258081.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 300310	Time	: 04-NOV-2022 01:25
Cal	: 672443258001	Caldate	: 03-NOV-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.181	120	**0.54**		**y** !<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	813896	804995	-1.09

!=warning -=low bias <=opening a=ICSA u=use y=RL raised

Instrument ID: MET09

Label: 471955-009,300310 | Rack:Tube: 1:55 | Type: Sample
Date Time: 11/4/2022 1:25:45 AM | Weight: 1 | Volume: 1
Dilution: 1 | LIMS ID: | Customer:
Customer Ref.: | Sample Date Time: | Sample Site:
Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag		0.00092553	mg/L	298.16120639	47.46960970	0.00050939	0.00088230	0.00138488	270.48067092	295.28617738	328.71677089			
Al 396.152	Al		0.55527665	mg/L	17894.51834191	4.34216650	0.52868060	0.56144515	0.57570418	17095.18304718	18079.91075915	18508.46121940			
As 188.980	As		0.00741217	mg/L	50.52227005	23.66249759	0.00552959	0.00900007	0.00770684	43.01507171	56.85440189	51.69733655			
B 249.678	B		0.00477707	mg/L	436.39014202	7.55758783	0.00443963	0.00515779	0.00473379	426.42259911	447.63612182	435.11170515			
Ba 230.424	Ba		0.00525813	mg/L	645.07756221	0.12960570	0.00525029	0.00526149	0.00526261	644.39215207	645.37107250	645.46946205			
Be 313.107	Be	u	-0.00000489	mg/L	159.74846905	179.62428289	-0.00000859	0.00000514	-0.00001123	152.83459427	178.53112415	147.87968874	u		u
Ca 317.933	Ca-R		4.54267326	mg/L	48145.93418333	1.16868250	4.57608119	4.48145615	4.57048243	48482.82481444	47528.61173139	48426.36600415			
Cd 214.439	Cd		0.00084852	mg/L	237.35832312	9.41048250	0.00077235	0.00084160	0.00093160	223.94074300	236.14064408	251.99358229			
Co 230.786	Co		0.00276560	mg/L	164.23353458	13.54224715	0.00236688	0.00281992	0.00310999	150.94898321	166.04342333	175.70819720			
Cr 267.716	Cr		0.00623859	mg/L	348.05900967	3.03049157	0.00603815	0.00626389	0.00641372	337.00840866	349.45395504	357.71466530			
Cu 324.754	Cu		0.04223016	mg/L	2632.30514253	2.06241983	0.04123998	0.04287769	0.04257280	2596.46731202	2655.74160317	2644.70651239			
Fe 259.940	Fe		8.93772572	mg/L	456045.35227663	4.50437854	8.50177241	9.01592958	9.29547517	433804.42487820	460035.06037665	474296.57157506			
K 766.491	K-R		1.77642005	mg/L	2360.39346155	1.95200992	1.75217949	1.76094116	1.81613950	2328.27525510	2339.88426930	2413.02086025			
Li 670.783	Li-R		0.00379813	mg/L	362.54422028	12.68883638	0.00426120	0.00329931	0.00383386	409.50214738	311.96231355	366.16819991			
Mg 279.800	Mg-R		1.67851834	mg/L	3463.00495336	1.09829807	1.69412403	1.65817752	1.68325348	3494.47660779	3421.98405297	3472.55419932			
Mn 257.610	Mn		0.07299745	mg/L	29538.20548825	4.14021100	0.06971883	0.07360143	0.07567211	28217.89921769	29781.42560300	30615.29164405			
Mo 204.598	Mo		0.00134381	mg/L	53.13234581	62.57945446	0.00173076	0.00192163	0.00037904	56.97189470	58.86576304	43.55937969			
Na 589.592	Na-R		3.53449944	mg/L	33294.88379311	0.88233365	3.55709882	3.49891966	3.54747983	33506.53431701	32961.66769404	33416.44936826			
Ni 231.604	Ni		0.00960722	mg/L	186.56307160	4.63723088	0.00909280	0.00986171	0.00986715	176.81977384	191.38321710	191.48622385			
P 177.434	P		0.24013236	mg/L	224.55628494	4.82564658	0.22776079	0.24190358	0.25073272	213.21997674	226.17928260	234.26959547			
Pb 220.353	Pb		1.18111612	mg/L	11771.89913512	4.00048190	1.12888446	1.19357604	1.22088788	11249.72098698	11896.46522368	12169.51119470			
S 181.972	S		2.07349742	mg/L	2984.11014186	3.26512386	2.00214690	2.08150640	2.13683896	2887.08902752	2995.00060742	3070.24079063			
Sb 206.834	Sb		0.01381847	mg/L	15.02959779	41.24312194	0.00747910	0.01545849	0.01851780	-8.19715955	21.03848541	32.24746752			
Se 196.026	Se	u	0.00149540	mg/L	43.54764957	195.90862617	0.00397460	-0.00173739	0.00224898	51.77091104	32.82481315	46.04722450		u	
Si 251.611	Si		1.08173196	mg/L	8046.80862227	3.89891118	1.03533012	1.09212869	1.11773708	7702.88552553	8123.86752615	8313.67281512			
Sn 189.925	Sn		0.01531927	mg/L	162.09349409	3.75671812	0.01511967	0.01596799	0.01487014	160.07499331	168.65393903	157.55154993			
Sr 421.552	Sr-R		0.00711497	mg/L	2856.64770881	1.51837514	0.00709907	0.00701577	0.00723007	2850.44890846	2817.97157256	2901.52264542			
Ti 334.941	Ti		0.02429147	mg/L	7169.29215877	6.44928944	0.02280291	0.02414555	0.02592595	6737.82869372	7126.99683514	7643.05094745			
Tl 190.794	Tl		0.00420053	mg/L	11.73679200	8.60750171	0.00378684	0.00435868	0.00445608	10.41319244	12.24276878	12.55441479			
V 292.401	V		0.00110980	mg/L	48.04599218	62.96460888	0.00101871	0.00046103	0.00184966	45.04459249	26.67003944	72.42334460			
Zn 206.200	Zn	o	254.61775614	mg/L	13889254.24506180	2.18799280	248.26809937	256.89947893	258.68569011	13542885.47514900	14013720.42430110	14111156.83573540	o	o	o
Y 371.029	Y		0.99	Ratio	804994.76	1.03	0.98	0.99	1.00	796360.05	805714.31	812909.91			
Y 371.029	Y-R		0.99	Ratio	198950.25	1.08	0.99	1.01	0.99	197344.74	201392.66	198113.34			

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 471955-010	Client ID	: ARCH-C2W-INT-4.5 TO 5.5-221101-L-DUP-WF
Seqnum	: 672443258082.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 300310	Time	: 04-NOV-2022 01:29
Cal	: 672443258001	Caldate	: 03-NOV-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.095	110	**0.54**		**y** !<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	813896	800755	-1.61

!=warning -=low bias <=opening a=ICSA u=use y=RL raised

Instrument ID: MET09

Label: 471955-010,300310 | Rack:Tube: 1:56 | Type: Sample
Date Time: 11/4/2022 1:29:07 AM | Weight: 1 | Volume: 1
Dilution: 1 | LIMS ID: | Customer:
Customer Ref.: | Sample Date Time: | Sample Site:
Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag		0.00140062	mg/L	329.22270647	39.05038166	0.00166793	0.00176249	0.00077142	347.00416289	353.29409342	287.36986308			
Al 396.152	Al		0.64555515	mg/L	20611.50426158	4.84364211	0.61156066	0.65201710	0.67308769	19589.81095147	20805.71605250	21438.98578077			
As 188.980	As		0.01098112	mg/L	64.77438799	2.42010255	0.01123959	0.01099514	0.01070863	65.80508102	64.83030201	63.68778095			
B 249.678	B		0.00482577	mg/L	440.94139756	12.35548121	0.00474958	0.00545644	0.00427127	438.69101141	459.57078711	424.56239416			
Ba 230.424	Ba		0.00783646	mg/L	870.63140049	4.41846437	0.00744805	0.00794854	0.00811279	836.68453876	880.42701662	894.78264607			
Be 313.107	Be		0.00166617	mg/L	3288.02185814	3.91829572	0.00159956	0.00166890	0.00173005	3163.30854510	3293.13695395	3407.62007537			
Ca 317.933	Ca-R		4.94222357	mg/L	52181.71389096	0.24132277	4.95594437	4.93638845	4.93433790	52320.07647607	52122.87162889	52102.19356792			
Cd 214.439	Cd		0.00230154	mg/L	514.57317718	6.67708557	0.00216107	0.00246568	0.00227788	489.82812860	543.48664967	510.40475326			
Co 230.786	Co		0.00539968	mg/L	252.96704743	11.06529197	0.00470979	0.00575028	0.00573898	229.98112902	264.64834919	264.27166408			
Cr 267.716	Cr		0.01039530	mg/L	578.40826069	5.35059973	0.01014530	0.01000796	0.01103264	564.62513111	557.05297326	613.54667769			
Cu 324.754	Cu		0.06670879	mg/L	3511.09443592	3.64493578	0.06396236	0.06757705	0.06858696	3411.69170085	3542.51972419	3579.07188272			
Fe 259.940	Fe		14.52550761	mg/L	741116.24925228	4.81809333	13.75189105	14.71000027	15.11463150	701648.83588256	750528.46786469	771171.44400958			
K 766.491	K-R		1.96080537	mg/L	2603.82892432	1.43243726	1.95755599	1.99037605	1.93448408	2599.52356701	2643.00941603	2568.95378992			
Li 670.783	Li-R		0.00549039	mg/L	535.31340079	9.88726814	0.00549608	0.00603037	0.00494472	535.89048483	590.07012778	479.97958977			
Mg 279.800	Mg-R		1.81153476	mg/L	3734.96165761	0.39133850	1.80788783	1.81970505	1.80701140	3727.60698016	3751.43849563	3725.83949704			
Mn 257.610	Mn		0.11485679	mg/L	46394.30891952	4.97688768	0.10863653	0.11605449	0.11987933	43889.40813157	46876.62665405	48416.89197293			
Mo 204.598	Mo		0.00230601	mg/L	62.71981700	15.75682297	0.00268385	0.00227506	0.00195913	66.46895839	62.41266246	59.27783015			
Na 589.592	Na-R		3.79435493	mg/L	35754.97649691	0.32232861	3.80481847	3.79733692	3.78090941	35852.97093349	35782.90375825	35629.05479899			
Ni 231.604	Ni		0.01527820	mg/L	293.93805135	7.34875496	0.01406108	0.01627347	0.01550006	270.88527950	312.78879898	298.14007557			
P 177.434	P		0.24849052	mg/L	232.24574067	5.46709979	0.23345855	0.25212216	0.25989086	218.47165782	235.57348011	242.69208408			
Pb 220.353	Pb		1.09487852	mg/L	10910.89214136	4.84993616	1.03683227	1.10679372	1.14100958	10330.58355646	11030.01254441	11372.08032322			
S 181.972	S		2.27377110	mg/L	3256.43950484	4.35300760	2.16317890	2.30409613	2.35403828	3106.05828316	3297.67490746	3365.58532389			
Sb 206.834	Sb		0.03417604	mg/L	90.85245462	15.81480475	0.02874053	0.03423783	0.03954975	70.93734161	91.07885439	110.54116787			
Se 196.026	Se		0.00475230	mg/L	53.19512479	18.49050178	0.00534931	0.00516432	0.00374328	55.17533560	54.56175814	49.84828064			
Si 251.611	Si		1.26447127	mg/L	9400.57610793	4.74668531	1.19837283	1.27947323	1.31556776	8910.66490467	9511.76822882	9779.29519031			
Sn 189.925	Sn		0.01621773	mg/L	171.12443357	5.02553299	0.01528145	0.01660333	0.01676839	161.65608518	175.02400261	176.69321293			
Sr 421.552	Sr-R		0.00931722	mg/L	3718.95909298	0.95728329	0.00941280	0.00930264	0.00923621	3756.22428545	3713.27643881	3687.37655468			
Ti 334.941	Ti		0.03267872	mg/L	9599.95921042	8.43045364	0.03013248	0.03230038	0.03560330	8861.92484236	9490.29665176	10447.65613713			
Tl 190.794	Tl		0.00519178	mg/L	14.92734379	59.21540711	0.00355104	0.00873842	0.00328589	9.67779048	26.27479443	8.82944647			
V 292.401	V		0.00306376	mg/L	100.39479826	17.40421308	0.00336706	0.00244807	0.00337615	110.38818412	80.10870467	110.68750599			
Zn 206.200	Zn	o	208.71003304	mg/L	11385025.15660030	3.69626626	200.05969657	211.19347977	214.87692280	10913156.12248220	11520495.21732430	11721424.12999430	o	o	o
Y 371.029	Y		0.98	Ratio	800755.13	0.86	0.97	0.99	0.99	793237.21	802256.52	806771.66			
Y 371.029	Y-R		0.99	Ratio	197259.62	0.43	0.99	0.98	0.99	197509.00	196319.06	197950.79			

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst	: MET09	Lab ID	: 471955-012	Client ID	: ARCH-C2W-DG-5 TO 5.5-221101-L-FB
Seqnum	: 672443258083.1	Matrix	: Wipe	Acct	: RINCON-BERK (JG)
File	: icp data	Batch	: 300310	Time	: 04-NOV-2022 01:32
Cal	: 672443258001	Caldate	: 03-NOV-2022		
IDF	: 1.0	Raw Units	: mg/L	Units	: ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.5375	54	**0.54**		**y** !<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	813896	795917	-2.21

!=warning -=low bias <=opening a=ICSA u=use y=RL raised

Instrument ID: MET09

Label: 471955-012,300310 | Rack:Tube: 1:57 | Type: Sample
Date Time: 11/4/2022 1:32:29 AM | Weight: 1 | Volume: 1
Dilution: 1 | LIMS ID: | Customer:
Customer Ref.: | Sample Date Time: | Sample Site:
Description: | Flags Replicate 3:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2
Ag 328.068	Ag		0.00082588	mg/L	290.37598785	23.97748141	0.00078183	0.00104222	0.00065359	287.44609852	304.76649460	278.91537043		
Al 396.152	Al		0.49463398	mg/L	16078.39843598	4.37863484	0.47145387	0.49809445	0.51435362	15381.72783984	16182.40172464	16671.06574346		
As 188.980	As		0.00982472	mg/L	60.17656946	6.93512162	0.01045778	0.00991277	0.00910363	62.70101580	60.52767429	57.30101827		
B 249.678	B		0.00167115	mg/L	349.40841590	21.15679239	0.00200854	0.00130337	0.00170154	359.37435967	338.54480270	350.30608531		
Ba 230.424	Ba		0.00458223	mg/L	586.27708926	1.14476713	0.00458107	0.00453037	0.00463526	586.17552382	581.74406216	590.91168179		
Be 313.107	Be		0.00004042	mg/L	243.59785240	35.36273613	0.00002396	0.00004761	0.00004968	212.77985032	257.06951925	260.94418764		
Ca 317.933	Ca-R		4.62966235	mg/L	49034.83468843	1.26271678	4.68016878	4.56562330	4.64319499	49544.14900327	48389.05528650	49171.29977551		
Cd 214.439	Cd	u	0.00010698	mg/L	144.74146545	152.13689431	-0.00008089	0.00019659	0.00020523	111.64783724	160.52704508	162.04951402	u	
Co 230.786	Co		0.00402405	mg/L	207.93119308	3.25897055	0.00389300	0.00402387	0.00415528	203.56472014	207.92529119	212.30356793		
Cr 267.716	Cr		0.01145191	mg/L	637.54555682	7.19222670	0.01097840	0.01097436	0.01240297	611.43955813	611.21691830	689.98019402		
Cu 324.754	Cu		0.06520344	mg/L	3450.77934607	3.28750381	0.06274028	0.06622411	0.06664594	3361.62904398	3487.72085447	3502.98813976		
Fe 259.940	Fe		19.12149846	mg/L	975588.41444596	4.62433491	18.16910247	19.27896371	19.91642919	927000.25312447	983621.78221858	1016143.20799484		
K 766.491	K-R		1.63829947	mg/L	2175.78823647	4.48170828	1.70643547	1.56053743	1.64792549	2266.06694889	2072.75525118	2188.54250935		
Li 670.783	Li-R		0.00417930	mg/L	403.24917628	12.47188823	0.00438014	0.00358752	0.00457024	423.61523562	343.23976822	442.89252501		
Mg 279.800	Mg-R		1.67052499	mg/L	3453.50739559	1.15789852	1.68900091	1.65041820	1.67215586	3490.76737398	3412.95848364	3456.79632915		
Mn 257.610	Mn		0.14158210	mg/L	57155.82603165	4.35429727	0.13479417	0.14311891	0.14683323	54422.32020919	57774.69971171	59270.45817405		
Mo 204.598	Mo	u	0.00055343	mg/L	45.32954643	164.60870617	0.00091211	-0.00048231	0.00123048	48.88862553	35.05241904	52.04759471		u
Na 589.592	Na-R		3.26312077	mg/L	30755.14170392	1.50894411	3.30183055	3.20770190	3.27982988	31117.67126540	30236.12595431	30911.62789206		
Ni 231.604	Ni		0.01623410	mg/L	311.96426633	2.30488149	0.01582422	0.01632069	0.01655739	304.20097730	313.60432053	318.08750118		
P 177.434	P		0.19722121	mg/L	185.29337978	3.95371463	0.18861278	0.19924000	0.20381086	177.40531072	187.14323220	191.33159643		
Pb 220.353	Pb		0.53749868	mg/L	5339.93388697	4.54327339	0.51028397	0.54471402	0.55749804	5067.85895566	5412.06823721	5539.87446805		
S 181.972	S		2.02891013	mg/L	2923.46193570	3.89099408	1.93895027	2.06113489	2.08664524	2801.13618781	2967.28055850	3001.96906079		
Sb 206.834	Sb		0.05919224	mg/L	183.49005503	11.76699871	0.05253902	0.05860550	0.06643221	159.11336392	181.34029585	210.01650532		
Se 196.026	Se	u	0.00047800	mg/L	38.08276378	189.20475340	-0.00048638	0.00061318	0.00130720	34.88400541	38.53115440	40.83313154	u	
Si 251.611	Si		1.18655041	mg/L	8822.45914055	4.02498044	1.13360562	1.19966230	1.22638332	8430.04068597	8919.64238637	9117.69434930		
Sn 189.925	Sn		0.01693095	mg/L	178.29035463	6.91896698	0.01568488	0.01800981	0.01709815	165.68916628	189.20063747	179.98126015		
Sr 421.552	Sr-R		0.00713682	mg/L	2866.03960297	0.53499962	0.00717951	0.00712504	0.00710592	2882.68133197	2861.44560036	2853.99187659		
Ti 334.941	Ti		0.04097473	mg/L	12004.21875142	2.27555639	0.03994888	0.04120466	0.04177066	11706.87142158	12070.86456856	12234.92026412		
Tl 190.794	Tl		0.00343843	mg/L	9.32630642	65.36912816	0.00302171	0.00586530	0.00142828	7.99301532	17.09107190	2.89483205		
V 292.401	V		0.00173339	mg/L	47.00945604	27.79796191	0.00122304	0.00179665	0.00218048	30.19405093	49.09387254	61.74044464		
Zn 206.200	Zn		7.66720704	mg/L	418298.19879943	4.75105837	7.26878408	7.74963014	7.98320691	396564.54039016	422794.31362126	435535.74238686		
Y 371.029	Y		0.98	Ratio	795917.36	0.90	0.97	0.97	0.99	790928.99	792705.95	804117.12		
Y 371.029	Y-R		0.99	Ratio	197278.64	0.98	0.98	1.00	0.99	195410.85	199270.54	197154.53		

ENTHALPY BLANK USER REPORT FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 Lab ID : QC1023181
Seqnum : 672443258073.3 Matrix : Wipe
File : icp data Batch : 300310 Time : 04-NOV-2022 00:58
Cal : 672443258001 Caldate : 03-NOV-2022
IDF : 1.0 Raw Units : mg/L Units : ug/ft2

1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	0	ND	**0.54**	**y** !<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	813896	801021	-1.58

!=warning -=low bias <=opening a=ICSA u=use y=RL raised

Instrument ID: MET09

Label: BLANK,QC1023181,300310 Rack:Tube: 1:49 Type: Sample

Date Time: 11/4/2022 12:58:51 AM Weight: 300310 Volume: 1

Dilution: 1 LIMSID: Customer:

Customer Ref.: Sample Date Time: Sample Site:

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	0.00000000	mg/L	230.68896683	1192.45911763	0.00000000	0.00000000	0.00000000	157.05941451	240.34133955	294.66614642	u		
Al 396.152	Al		0.00000002	mg/L	1380.36936196	42.34760206	0.00000002	0.00000003	0.00000001	1414.59680834	1433.92208149	1292.58919604			
As 188.980	As	u	-0.00000001	mg/L	8.36866902	22.01153718	-0.00000001	-0.00000001	-0.00000001	5.49746339	11.01362891	8.59491477	u	u	u
B 249.678	B		0.00000000	mg/L	311.15345851	60.70919172	0.00000000	0.00000000	0.00000000	295.21571638	311.79748369	326.44717546			
Ba 230.424	Ba		0.00000000	mg/L	190.68173068	94.03860913	0.00000000	0.00000000	0.00000000	187.98927630	196.91977727	187.13613848			
Be 313.107	Be	u	0.00000000	mg/L	178.42215481	166.36377509	0.00000000	0.00000000	0.00000000	194.42796588	176.11463010	164.72386845			u
Ca 317.933	Ca-R		0.00000086	mg/L	4916.63397979	0.90181583	0.00000085	0.00000086	0.00000085	4906.61642451	4943.33569289	4899.94982197			
Cd 214.439	Cd		0.00000000	mg/L	79.59284846	31.55932800	0.00000000	0.00000000	0.00000000	71.68064889	80.02395896	87.07393753			
Co 230.786	Co		0.00000000	mg/L	91.73887082	37.65250511	0.00000000	0.00000000	0.00000000	97.13433560	95.40988120	82.67239567			
Cr 267.716	Cr		0.00000000	mg/L	18.14502179	85.75630944	0.00000000	0.00000000	0.00000000	11.74978055	8.74255574	33.94272908			
Cu 324.754	Cu	u	0.00000000	mg/L	1131.05703131	229.82570359	0.00000000	0.00000000	0.00000000	1167.11748526	1135.77717487	1090.27643381			u
Fe 259.940	Fe		0.00000004	mg/L	737.35088514	1.59733313	0.00000004	0.00000004	0.00000004	732.64014090	729.82877467	749.58373983			
K 766.491	K-R		0.00000025	mg/L	106.61919462	38.93478744	0.00000031	0.00000014	0.00000029	132.70124390	62.37595641	124.78038357			
Li 670.783	Li-R		0.00000001	mg/L	228.52526792	37.94640823	0.00000000	0.00000001	0.00000001	124.63072149	314.05849276	246.88658951			
Mg 279.800	Mg-R		0.00000005	mg/L	103.15285909	21.26808093	0.00000006	0.00000005	0.00000004	109.54372219	103.51888021	96.39597488			
Mn 257.610	Mn		0.00000002	mg/L	2899.42861991	4.07290221	0.00000002	0.00000002	0.00000002	2781.69528081	2911.17792783	3005.41265109			
Mo 204.598	Mo	u	0.00000000	mg/L	38.66184285	536.98524096	0.00000000	0.00000000	0.00000000	39.83532505	32.59489751	43.55530600		u	
Na 589.592	Na-R		0.00000064	mg/L	1958.63879881	3.52353438	0.00000067	0.00000064	0.00000062	2028.19255128	1944.12856925	1903.59527590			
Ni 231.604	Ni	u	0.00000000	mg/L	6.30589497	699.11739877	0.00000000	0.00000000	0.00000000	-9.24298596	12.56828510	15.59238576	u		
P 177.434	P		0.00000005	mg/L	17.23353342	15.97136844	0.00000004	0.00000005	0.00000005	14.97058815	17.81120452	18.91880758			
Pb 220.353	Pb		0.00000000	mg/L	-28.05240973	20.85640628	0.00000000	0.00000000	0.00000000	-28.48465127	-25.97264456	-29.69993336			
S 181.972	S		0.00000013	mg/L	219.20875580	16.55416494	0.00000015	0.00000015	0.00000011	224.96310070	223.89350415	208.76966256			
Sb 206.834	Sb		0.00000001	mg/L	-22.82033323	88.40117508	0.00000001	0.00000000	0.00000003	-26.42249919	-33.62905309	-8.40944742			
Se 196.026	Se		0.00000002	mg/L	57.12790549	16.75358381	0.00000002	0.00000002	0.00000001	59.95529244	57.11082629	54.31759774			
Si 251.611	Si		0.00000013	mg/L	308.49080300	6.58460081	0.00000012	0.00000013	0.00000013	289.64722175	309.55971060	326.26547666			
Sn 189.925	Sn		0.00000003	mg/L	103.49817998	7.70496111	0.00000003	0.00000003	0.00000003	100.67239991	111.91109618	97.91104384			
Sr 421.552	Sr-R		0.00000000	mg/L	255.79371820	5.81409957	0.00000000	0.00000000	0.00000000	268.65036697	245.93255166	252.79823597			
Ti 334.941	Ti		0.00000000	mg/L	209.04115199	44.68764872	0.00000000	0.00000000	0.00000000	171.19282881	242.38808087	213.54254627			
Tl 190.794	Tl		0.00000000	mg/L	2.81977583	73.30764560	0.00000000	0.00000001	0.00000000	2.35672233	6.38057720	-0.27797202			
V 292.401	V	u	0.00000000	mg/L	16.04214507	143.59535404	0.00000000	0.00000000	0.00000000	-6.12192977	21.94601877	32.30234620	u	u	
Zn 206.200	Zn		0.00000001	mg/L	275.09460548	5.52195187	0.00000001	0.00000001	0.00000001	261.01790155	282.23122837	282.03468652			
Y 371.029	Y		0.98	Ratio	801020.71	1.17	0.97	0.98	1.00	791492.32	801338.62	810231.17			
Y 371.029	Y-R		0.99	Ratio	197119.45	0.55	0.99	0.98	0.99	197244.29	195978.52	198135.54			

ENTHALPY SPIKE USER REPORT FOR 471955 METALS Wipe
EPA 6010B

Type : BS
Inst : MET09
Seqnum : 672443258074.2
File : icp data
IDF : 1.0
Lab ID : QC1023182
Matrix : Wipe
Batch : 300310
Time : 04-NOV-2022 01:02
Cal : 672443258001
Units : ug/ft2

Type : BSD
Inst : MET09
Seqnum : 672443258077.2
File : icp data
IDF : 1.0
Lab ID : QC1023183
Matrix : Wipe
Batch : 300310
Time : 04-NOV-2022 01:12
Cal : 672443258001

BS: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF
BSD: 1.00 ft2 --> 100.0 ml = 100.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	0.9937	99.37	A	99	1.011	101.1	A	101	80-120	2	20	**y** !<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	813896	795454	-2.27

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	813896	786593	-3.35

!=warning -=low bias <=opening a=ICSA u=use y=RL raised

Instrument ID: MET09

Label:	BS,QC1023182,300310	**Rack:Tube:**	1:50	**Type:**	Sample
Date Time:	11/4/2022 1:02:13 AM	**Flags:**		**Weight:**	1
Volume:	1	**Dilution:**	1	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.52818261	mg/L	35370.56221818	4.19062266	0.50353939	0.53463445	0.54637397	33731.34105507	35799.72722817	36580.61837131
Al 396.152	Al	1.04369570	mg/L	32571.78457905	4.68021109	0.99006748	1.05537521	1.08564440	30960.00615334	32922.80854819	33832.53903563
As 188.980	As	0.98449735	mg/L	3946.83180420	4.12074010	0.93937637	0.99615451	1.01796116	3766.90151899	3993.31744427	4080.27644935
B 249.678	B	0.97890499	mg/L	29199.92301227	4.49636469	0.92940699	0.99366431	1.01364366	27737.81637381	29635.89415433	30226.05850867
Ba 230.424	Ba	1.00161543	mg/L	87726.63989193	4.65478946	0.95028726	1.01321620	1.04134283	83240.55127035	88740.54877145	91198.81963400
Be 313.107	Be	1.04422447	mg/L	1955304.92131929	5.07133552	0.98728192	1.05339521	1.09199628	1848689.52463012	1972475.59110052	2044749.64822721
Ca 317.933	Ca-R	1.19110854	mg/L	14344.59559397	0.61809126	1.19092377	1.19856133	1.18384053	14342.73234074	14419.75057908	14271.30386210
Cd 214.439	Cd	1.00264846	mg/L	176682.69586113	4.10713488	0.95738558	1.01266022	1.03789959	168709.33394023	178446.33405234	182892.41959081
Co 230.786	Co	1.03946306	mg/L	34703.56891602	4.67435284	0.98653966	1.04979570	1.08205380	32940.26014990	35047.83342132	36122.61317685
Cr 267.716	Cr	0.99758891	mg/L	55002.06999555	4.82024234	0.94556108	1.00680666	1.04039900	52133.63723594	55510.26902067	57362.30373003
Cu 324.754	Cu	1.02685755	mg/L	38279.17456215	4.87196547	0.97290894	1.03594398	1.07171973	36326.59206377	38608.04314443	39902.88847824
Fe 259.940	Fe	1.03251660	mg/L	52748.86496210	4.82539398	0.97880733	1.04151581	1.07722667	50008.79178052	53207.97520065	55029.82790513
K 766.491	K-R	9.67063437	mg/L	12820.53548881	0.50305690	9.66786100	9.72061052	9.62343159	12816.86083280	12886.75279480	12757.99283881
Li 670.783	Li-R	1.04813956	mg/L	106263.35902922	0.80840315	1.04612827	1.05743743	1.04085297	106059.40485561	107206.20736584	105524.46486621
Mg 279.800	Mg-R	1.07944578	mg/L	2249.97572740	1.13687943	1.07936764	1.09175665	1.06721303	2249.81815020	2274.80280684	2225.30622516
Mn 257.610	Mn	1.02647020	mg/L	413502.95988629	4.85977033	0.97255802	1.03586125	1.07099133	391792.48345009	417284.74250785	431431.65370092
Mo 204.598	Mo	1.04582073	mg/L	10417.03618167	5.00135482	0.98969522	1.05456304	1.09320393	9860.12944367	10503.78199912	10887.19710221
Na 589.592	Na-R	1.02348230	mg/L	17559.65514869	1.37441930	1.02878805	1.03412474	1.00753410	17609.34523113	17659.32507187	17410.29514309
Ni 231.604	Ni	1.01236284	mg/L	19179.16830613	4.81365295	0.95952243	1.02202921	1.05553687	18178.35167124	19362.25296652	19996.90028063
P 177.434	P	0.01051269	mg/L	14.05282919	24.78510159	0.00752597	0.01232015	0.01169196	11.31603518	15.70903700	15.13341539
Pb 220.353	Pb	0.99368411	mg/L	9895.28988460	4.28920957	0.94643424	1.00538619	1.02923188	9422.91657194	10012.27975074	10250.67333112
S 181.972	S	0.02468146	mg/L	198.12243160	15.77573048	0.02023971	0.02750557	0.02629910	192.08262347	201.96260260	200.32206873
Sb 206.834	Sb	1.02346821	mg/L	3712.39878334	4.77079666	0.96970601	1.03564038	1.06505824	3515.41979242	3756.99632297	3864.78023464
Se 196.026	Se	0.87519417	mg/L	2943.14226515	4.23482458	0.83586415	0.88024672	0.90947163	2812.68848174	2959.90108444	3056.83722927
Si 251.611	Si	5.04926582	mg/L	37455.21319352	4.48909010	4.80164721	5.09964975	5.24650049	35619.90325510	37828.65094515	38917.08538030
Sn 189.925	Sn	0.00802735	mg/L	88.50883300	9.78526018	0.00712033	0.00848264	0.00847906	79.33642445	93.11313082	93.07694371
Sr 421.552	Sr-R	1.06998767	mg/L	417241.73715159	0.50058301	1.07596922	1.06563513	1.06835865	419573.80019690	415544.78780379	416606.62345408
Ti 334.941	Ti	1.03665155	mg/L	300606.63570908	4.98013339	0.98179252	1.04387775	1.08428438	284705.60851125	302701.16682036	314413.13179561
Tl 190.794	Tl	0.98605670	mg/L	3153.19901108	4.94306082	0.93231886	0.99843750	1.02741375	2981.26491095	3192.81133807	3285.52078421
V 292.401	V	1.02798752	mg/L	33898.76917138	4.97507732	0.97278001	1.03743302	1.07374953	32079.76323122	34209.98434965	35406.55993325
Zn 206.200	Zn	1.00785204	mg/L	55032.66467106	4.81410545	0.95392237	1.02167183	1.04796192	52090.84371056	55786.52327728	57220.62702535
Y 371.029	Y	0.98	Ratio	795453.51	1.01	0.97	0.98	0.99	787278.79	795753.68	803328.05
Y 371.029	Y-R	0.99	Ratio	197145.86	0.84	0.99	0.98	0.99	197298.09	195419.02	198720.47

Instrument ID: MET09

Label:	BSD,QC1023183,300310	Rack:Tube:	1:51	Type:	Sample
Date Time:	11/4/2022 1:12:18 AM	Flags:		Weight:	1
Volume:	1	Dilution:	1	LIMS ID:	
Customer:		Customer Ref.:		Sample Date Time:	
Sample Site:		Description:		Flags Replicate 1:	
Flags Replicate 2:		Flags Replicate 3:			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.53569946	mg/L	35870.59331004	4.12602533	0.51112140	0.54203147	0.55394550	34235.70615994	36291.78729994	37084.28647023
Al 396.152	Al	1.06701773	mg/L	33272.82037851	4.64930588	1.01383199	1.07518501	1.11203619	31674.34038244	33518.28537911	34625.83537397
As 188.980	As	0.99726385	mg/L	3997.74089328	4.28688660	0.95100812	1.00545847	1.03532497	3813.28550333	4030.41881355	4149.51836296
B 249.678	B	0.99567542	mg/L	29695.42380164	4.16632012	0.95107626	1.00284133	1.03310866	28378.02253513	29907.09558005	30801.15328976
Ba 230.424	Ba	1.00643156	mg/L	88147.58080997	4.41276255	0.95936957	1.01232020	1.04760491	84034.35716039	88662.24853277	91746.13673676
Be 313.107	Be	1.06464425	mg/L	1993537.55206186	4.71514190	1.01080946	1.07295119	1.11017212	1892740.90225814	2009090.89429822	2078780.85962923
Ca 317.933	Ca-R	1.29926541	mg/L	15435.40702071	0.47765247	1.29354316	1.29839077	1.30586231	15377.70298019	15426.58697394	15501.93110802
Cd 214.439	Cd	1.01145830	mg/L	178234.70852324	4.26225856	0.96675719	1.01483745	1.05278025	170360.30691721	178829.96955207	185513.84910042
Co 230.786	Co	1.04675643	mg/L	34946.56583147	4.13773673	1.00005982	1.05459663	1.08561284	33390.72179331	35207.78664461	36241.18905649
Cr 267.716	Cr	1.01161105	mg/L	55775.15701777	4.74133685	0.96038248	1.01899735	1.05545332	52950.78970813	56182.38329123	58192.29805394
Cu 324.754	Cu	1.04824329	mg/L	39053.18696708	4.70580357	0.99483180	1.05781170	1.09208636	37120.04469897	39399.50027222	40640.01593006
Fe 259.940	Fe	1.05357645	mg/L	53823.38334267	4.64620259	1.00133097	1.06101665	1.09838172	51157.98828002	54202.95830136	56109.20344662
K 766.491	K-R	9.83744677	mg/L	13041.55409950	0.70994734	9.85311855	9.76110163	9.89812015	13062.31885577	12940.39845562	13121.94498709
Li 670.783	Li-R	1.07112835	mg/L	108594.56852981	0.40441920	1.06694320	1.07084852	1.07559333	108170.17438189	108566.19262657	109047.33858096
Mg 279.800	Mg-R	1.08487509	mg/L	2260.94688622	0.89027966	1.07390523	1.09210122	1.08861882	2238.82421281	2275.51965872	2268.49678711
Mn 257.610	Mn	1.05063019	mg/L	423232.25580748	4.71571264	0.99767508	1.05835957	1.09585593	401907.18921024	426344.88320738	441444.69500481
Mo 204.598	Mo	1.06633518	mg/L	10620.59326364	4.95565451	1.00915243	1.07648541	1.11336771	10053.19602914	10721.30917206	11087.27458973
Na 589.592	Na-R	1.01946460	mg/L	17659.41508071	0.32372095	1.01982405	1.01599936	1.02257037	17662.78148540	17626.96205104	17688.50170569
Ni 231.604	Ni	1.02875515	mg/L	19489.65224647	4.72746219	0.97632999	1.03753303	1.07240243	18496.70049149	19655.90847423	20316.34777370
P 177.434	P	0.01286892	mg/L	16.21056297	11.58974553	0.01458344	0.01187090	0.01215242	17.78161072	15.29605857	15.55401963
Pb 220.353	Pb	1.01055886	mg/L	10063.96547778	4.25157704	0.96373785	1.01976339	1.04817533	9595.87958674	10155.98640610	10440.03044051
S 181.972	S	0.03559149	mg/L	212.96049825	12.47334313	0.04030103	0.03148347	0.03498998	219.36444193	207.37448804	212.14256479
Sb 206.834	Sb	1.05098494	mg/L	3813.22043153	4.39327758	1.00290317	1.05507529	1.09497637	3637.05391503	3828.20702885	3974.40035072
Se 196.026	Se	0.88784030	mg/L	2985.08500472	3.64421175	0.85219490	0.89597354	0.91535246	2866.85270622	3012.06217043	3076.34013752
Si 251.611	Si	5.20389173	mg/L	38601.29150345	4.43784994	4.95550986	5.24403780	5.41212752	36760.32443673	38898.84784143	40144.70223219
Sn 189.925	Sn	0.00747416	mg/L	82.91539402	6.02774692	0.00696050	0.00780229	0.00765970	77.72081799	86.23369772	84.79166633
Sr 421.552	Sr-R	1.08963700	mg/L	424903.42538398	0.36578580	1.08506679	1.09145200	1.09239221	423121.61154286	425611.04931405	425977.61529501
Ti 334.941	Ti	1.05039298	mg/L	304589.65133444	4.96221265	0.99481282	1.05818523	1.09818090	288479.60161378	306848.25376841	318441.09862115
Tl 190.794	Tl	1.00229018	mg/L	3205.13952528	4.62689511	0.95157592	1.01275835	1.04253626	3042.87937613	3238.63242671	3333.90677300
V 292.401	V	1.04945568	mg/L	34606.06646289	4.81989166	0.99432617	1.06031252	1.09372836	32789.63034734	34963.78325690	36064.78578445
Zn 206.200	Zn	1.02842176	mg/L	56154.75178152	4.39383301	0.98131269	1.03254876	1.07140383	53584.98941572	56379.87624369	58499.38968515
Y 371.029	Y	0.97	Ratio	786592.69	1.12	0.95	0.97	0.98	776771.03	789233.54	793773.51
Y 371.029	Y-R	0.98	Ratio	195077.89	0.38	0.98	0.98	0.97	195841.08	195012.10	194380.50

ENTHALPY INITIAL CALIBRATION FOR 471955 METALS Wipe: EPA 6010B

Instrument:	MET09		
Calibration #:	672443258001	Date:	03-NOV-2022 19:38
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	672443258002	L1	03-NOV-2022 19:41	S17470
L2	icp data	672443258003	L2	03-NOV-2022 19:44	S17471
L3	icp data	672443258004	L3	03-NOV-2022 19:48	S17469
L4	icp data	672443258005	L4	03-NOV-2022 19:51	S17466
L5	icp data	672443258006	L5	03-NOV-2022 19:55	S17429 (2X)
L6	icp data	672443258007	L6	03-NOV-2022 19:58	S17429

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00402	1.03E-4		7113.5	1.000		7	0.995	

Instrument amount = a0 + (response × a1) + (response² × a2)
WB1K: Linear regression with ICALBLK weighting factor of 1000

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF
Lead	A	-3427	6872.0	9656.7	9965.4	10053	9560.7

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	-15	0.0100	11	0.1000	4	1.0000	3	5.0000	4	10.000	-1

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09
Calnum : 672443258001 Cal Date : 03-NOV-2022

ICV 672443258012 (03-NOV-2022) stds: S17413

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	0.9417	mg/L	-6	

Instrument ID: MET09

Label:	ICALBLK	**Rack:Tube:**	S1:1	**Type:**	BLK
Date Time:	11/3/2022 7:38:12 PM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.00000000	mg/L	236.45900678	-	0.00000000	0.00000000	0.00000000	258.67818060	280.38694008	170.31189965
Al 396.152	Al	0.00000000	mg/L	1045.91372222	-	0.00000000	0.00000000	0.00000000	997.29421758	1071.50269085	1068.94425824
As 188.980	As	0.00000000	mg/L	16.40508519	-	0.00000000	0.00000000	0.00000000	24.62872123	13.45337353	11.13316080
B 249.678	B	0.00000000	mg/L	275.78063149	-	0.00000000	0.00000000	0.00000000	264.22901888	290.67830996	272.43456563
Ba 230.424	Ba	0.00000000	mg/L	162.39298727	-	0.00000000	0.00000000	0.00000000	152.08246455	160.70321398	174.39328329
Be 313.107	Be	0.00000000	mg/L	173.20727820	-	0.00000000	0.00000000	0.00000000	150.06208220	186.18604563	183.37370675
Ca 317.933	Ca-R	0.00000000	mg/L	2201.44548733	-	0.00000000	0.00000000	0.00000000	2244.35508270	2180.51533132	2179.46604797
Cd 214.439	Cd	0.00000000	mg/L	55.71515538	-	0.00000000	0.00000000	0.00000000	50.10269367	71.21814096	45.82463150
Co 230.786	Co	0.00000000	mg/L	74.13240276	-	0.00000000	0.00000000	0.00000000	76.22943400	81.55431638	64.61345790
Cr 267.716	Cr	0.00000000	mg/L	3.81753931	-	0.00000000	0.00000000	0.00000000	10.39252209	-0.80385535	1.86395120
Cu 324.754	Cu	0.00000000	mg/L	1116.60270697	-	0.00000000	0.00000000	0.00000000	1125.51461179	1114.53053071	1109.76297840
Fe 259.940	Fe	0.00000000	mg/L	61.38010283	-	0.00000000	0.00000000	0.00000000	68.70809381	65.39281272	50.03940196
K 766.491	K-R	0.00000000	mg/L	115.51280098	-	0.00000000	0.00000000	0.00000000	163.90152420	108.68537102	73.95150773
Li 670.783	Li-R	0.00000000	mg/L	0.00000000	-	0.00000000	0.00000000	0.00000000	130.34597336	-35.08408950	-95.26188386
Mg 279.800	Mg-R	0.00000000	mg/L	67.07040809	-	0.00000000	0.00000000	0.00000000	62.72200619	73.03330127	65.45591681
Mn 257.610	Mn	0.00000000	mg/L	139.75590696	-	0.00000000	0.00000000	0.00000000	152.66840594	126.60636564	139.99294929
Mo 204.598	Mo	0.00000000	mg/L	36.18099958	-	0.00000000	0.00000000	0.00000000	30.40280038	40.84514085	37.29505752
Na 589.592	Na-R	0.00000000	mg/L	144.64207164	-	0.00000000	0.00000000	0.00000000	138.52595065	157.04628808	138.35397617
Ni 231.604	Ni	0.00000000	mg/L	16.27929820	-	0.00000000	0.00000000	0.00000000	7.04806603	25.20340402	16.58642455
P 177.434	P	0.00000000	mg/L	4.43476266	-	0.00000000	0.00000000	0.00000000	4.80750098	3.01489865	5.48188835
Pb 220.353	Pb	0.00000000	mg/L	-40.18177398	-	0.00000000	0.00000000	0.00000000	-25.02327109	-51.53604684	-43.98600400
S 181.972	S	0.00000000	mg/L	164.46448910	-	0.00000000	0.00000000	0.00000000	164.13681427	166.23732490	163.01932811
Sb 206.834	Sb	0.00000000	mg/L	-40.43400489	-	0.00000000	0.00000000	0.00000000	-38.72002628	-45.54837362	-37.03361477
Se 196.026	Se	0.00000000	mg/L	38.35030167	-	0.00000000	0.00000000	0.00000000	34.58539604	40.91807818	39.54743078
Si 251.611	Si	0.00000000	mg/L	29.76180490	-	0.00000000	0.00000000	0.00000000	35.85424678	20.99545012	32.43571779
Sn 189.925	Sn	0.00000000	mg/L	12.02146998	-	0.00000000	0.00000000	0.00000000	13.10656569	8.89396856	14.06387567
Sr 421.552	Sr-R	0.00000000	mg/L	53.35717347	-	0.00000000	0.00000000	0.00000000	45.14698613	48.75050499	66.17402928
Ti 334.941	Ti	0.00000000	mg/L	144.04558925	-	0.00000000	0.00000000	0.00000000	180.44558610	114.42219850	137.26898313
Tl 190.794	Tl	0.00000000	mg/L	-1.20639235	-	0.00000000	0.00000000	0.00000000	0.19945211	-2.62285263	-1.19577653
V 292.401	V	0.00000000	mg/L	18.89013958	-	0.00000000	0.00000000	0.00000000	23.63202643	12.72922822	20.30916408
Zn 206.200	Zn	0.00000000	mg/L	54.07470519	-	0.00000000	0.00000000	0.00000000	56.14652402	53.58416563	52.49342593
Y 371.029	Y	1.00	Ratio	813896.04	0.00	1.00	1.00	1.00	805646.69	816475.64	819565.80
Y 371.029	Y-R	1.00	Ratio	199978.60	0.00	1.00	1.00	1.00	200888.18	198974.69	200072.94

Instrument ID: MET09

Label: ICAL,L1,S17470 | Rack:Tube: S1:2 | Type: STD

Date Time: 11/3/2022 7:41:33 PM | Flags: | Weight: -

Volume: - | Dilution: - | LIMS ID:

Customer: | Customer Ref.: | Sample Date Time:

Sample Site: | Description: | Flags Replicate 1:

Flags Replicate 2: | Flags Replicate 3:

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	217.04059769	-				185.83459533	237.54082405	227.74637370
Al 396.152	Al	0.00666667	mg/L	1404.93190642	-	0.00666667	0.00666667	0.00666667	1408.95183901	1408.74827276	1397.09560747
As 188.980	As	0.00333333	mg/L	31.86471902	-	0.00333333	0.00333333	0.00333333	31.56254273	36.66855987	27.36305446
B 249.678	B	0.00333333	mg/L	391.25211936	-	0.00333333	0.00333333	0.00333333	376.46198852	394.09102332	403.20334624
Ba 230.424	Ba	0.00333333	mg/L	509.02629555	-	0.00333333	0.00333333	0.00333333	493.43197349	512.87614415	520.77076900
Be 313.107	Be	0.00166667	mg/L	3218.31544222	-	0.00166667	0.00166667	0.00166667	3110.07444589	3252.05462947	3292.81725129
Ca 317.933	Ca-R	0.10000000	mg/L	3410.53414285	-	0.10000000	0.10000000	0.10000000	3434.23690974	3376.78243457	3420.58308424
Cd 214.439	Cd	0.00166667	mg/L	349.28813887	-	0.00166667	0.00166667	0.00166667	330.22117550	355.51827026	362.12497084
Co 230.786	Co	0.00166667	mg/L	117.98728620	-	0.00166667	0.00166667	0.00166667	98.21748590	139.33558674	116.40878595
Cr 267.716	Cr	0.00333333	mg/L	181.34770151	-	0.00333333	0.00333333	0.00333333	183.00607032	189.28168016	171.75535405
Cu 324.754	Cu	0.00333333	mg/L	1231.41639430	-	0.00333333	0.00333333	0.00333333	1235.83079426	1217.70603963	1240.71234900
Fe 259.940	Fe	0.00666667	mg/L	459.13830626	-	0.00666667	0.00666667	0.00666667	426.04503703	462.87901662	488.49086514
K 766.491	K-R	0.50000000	mg/L	608.17732007	-	0.50000000	0.50000000	0.50000000	635.39972333	566.96263624	622.16960064
Li 670.783	Li-R	0.00333333	mg/L	343.34113706	-	0.00333333	0.00333333	0.00333333	282.25714485	313.25762020	434.50864612
Mg 279.800	Mg-R	0.10000000	mg/L	286.55797769	-	0.10000000	0.10000000	0.10000000	283.03979896	279.88667871	296.74745541
Mn 257.610	Mn	0.00333333	mg/L	1503.43287961	-	0.00333333	0.00333333	0.00333333	1445.44525143	1513.98891348	1550.86447393
Mo 204.598	Mo	0.00333333	mg/L	79.44765811	-	0.00333333	0.00333333	0.00333333	80.40184904	82.25694586	75.68417942
Na 589.592	Na-R	0.50000000	mg/L	4892.87297013	-	0.50000000	0.50000000	0.50000000	4904.52352900	4840.68948156	4933.40589983
Ni 231.604	Ni	0.00333333	mg/L	64.44511407	-	0.00333333	0.00333333	0.00333333	64.15635746	69.10324357	60.07574120
P 177.434	P	1.00000000	mg/L	958.69164059	-	1.00000000	1.00000000	1.00000000	921.51923717	966.78239616	987.77328846
Pb 220.353	Pb	0.00333333	mg/L	-11.42262939	-	0.00333333	0.00333333	0.00333333	-22.73115212	3.64099486	-15.17773091
S 181.972	S	1.00000000	mg/L	1553.90894275	-	1.00000000	1.00000000	1.00000000	1501.33986570	1571.68394988	1588.70301266
Sb 206.834	Sb	0.01000010	mg/L	-1.49434135	-	0.01000010	0.01000010	0.01000010	-8.25753900	7.99318490	-4.21866995
Se 196.026	Se	0.01000001	mg/L	85.16963956	-	0.01000001	0.01000001	0.01000001	92.15640404	72.99692164	90.35559301
Si 251.611	Si	0.10000000	mg/L	777.08097583	-	0.10000000	0.10000000	0.10000000	738.85456441	790.30010185	802.08826124
Sn 189.925	Sn	0.00333333	mg/L	40.61082251	-	0.00333333	0.00333333	0.00333333	40.38604637	41.36297714	40.08344401
Sr 421.552	Sr-R	0.01666667	mg/L	6604.90176955	-	0.01666667	0.01666667	0.01666667	6653.91622425	6539.70327304	6621.08581136
Ti 334.941	Ti	0.00333333	mg/L	1054.07614436	-	0.00333333	0.00333333	0.00333333	993.02096988	1107.99132065	1061.21614253
Tl 190.794	Tl	0.01000010	mg/L	23.13576234	-	0.01000010	0.01000010	0.01000010	22.55433854	31.62702120	15.22592727
V 292.401	V	0.00166667	mg/L	90.69109184	-	0.00166667	0.00166667	0.00166667	93.69780683	86.42911629	91.94635240
Zn 206.200	Zn	0.01000010	mg/L	609.69183050	-	0.01000010	0.01000010	0.01000010	591.56590659	619.09058891	618.41899599
Y 371.029	Y	1.00	Ratio	810328.90	0.84	0.99	1.00	1.00	803283.89	810922.78	816780.04
Y 371.029	Y-R	0.99	Ratio	197949.48	1.18	0.98	1.00	0.98	196769.95	200644.14	196434.35

Instrument ID: MET09

Label:	ICAL,L2,S17471	**Rack:Tube:**	S1:3	**Type:**	STD
Date Time:	11/3/2022 7:44:55 PM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration % RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	268.02300810	-				251.38253670	362.63655488	190.04993272
Al 396.152	Al	0.02000000	mg/L	1785.11023401	-	0.02000000	0.02000000	0.02000000	1754.76734576	1807.73254695	1792.83080934
As 188.980	As	0.01000000	mg/L	65.90102222	-	0.01000000	0.01000000	0.01000000	70.93094931	59.53529124	67.23682611
B 249.678	B	0.01000000	mg/L	584.33553895	-	0.01000000	0.01000000	0.01000000	567.27151241	589.42100885	596.31409561
Ba 230.424	Ba	0.01000000	mg/L	1083.03056860	-	0.01000000	0.01000000	0.01000000	1039.53122284	1085.95992183	1123.60056114
Be 313.107	Be	0.00500000	mg/L	9346.14360172	-	0.00500000	0.00500000	0.00500000	8977.78326657	9432.81339518	9627.83414342
Ca 317.933	Ca-R		mg/L	3369.25264281	-				3355.85853870	3375.68008183	3376.21930791
Cd 214.439	Cd	0.00500000	mg/L	927.71564747	-	0.00500000	0.00500000	0.00500000	889.97830249	936.12641857	957.04222134
Co 230.786	Co	0.00500000	mg/L	227.53653877	-	0.00500000	0.00500000	0.00500000	199.02164882	241.26150053	242.32646695
Cr 267.716	Cr	0.01000000	mg/L	555.25177398	-	0.01000000	0.01000000	0.01000000	532.71373571	563.54662233	569.49496391
Cu 324.754	Cu	0.01000000	mg/L	1477.49529314	-	0.01000000	0.01000000	0.01000000	1501.64288776	1491.58121744	1439.26177422
Fe 259.940	Fe	0.02000000	mg/L	1135.04735182	-	0.02000000	0.02000000	0.02000000	1080.37358533	1144.93571529	1179.83275484
K 766.491	K-R		mg/L	588.08552685	-				538.78691490	643.68122707	581.78843859
Li 670.783	Li-R	0.01000000	mg/L	1025.47355419	-	0.01000000	0.01000000	0.01000000	1004.67656479	963.48307884	1108.26101893
Mg 279.800	Mg-R		mg/L	287.15595465	-				281.49027034	286.98893718	292.98865642
Mn 257.610	Mn	0.01000000	mg/L	4258.20466117	-	0.01000000	0.01000000	0.01000000	4093.39815570	4290.78720162	4390.42862618
Mo 204.598	Mo	0.01000000	mg/L	117.76704437	-	0.01000000	0.01000000	0.01000000	110.14293743	123.89890380	119.25929187
Na 589.592	Na-R		mg/L	4970.55312816	-				4981.58005261	4971.67256811	4958.40676377
Ni 231.604	Ni	0.01000000	mg/L	294.02182784	-	0.01000000	0.01000000	0.01000000	472.61337579	197.53196820	211.92013953
P 177.434	P		mg/L	961.29132278	-				925.56741037	972.98080057	985.32575739
Pb 220.353	Pb	0.01000000	mg/L	68.71953201	-	0.01000000	0.01000000	0.01000000	54.32713035	81.34320538	70.48826029
S 181.972	S		mg/L	1563.07666850	-				1507.52023599	1571.56614401	1610.14362548
Sb 206.834	Sb	0.03000030	mg/L	86.06933158	-	0.03000030	0.03000030	0.03000030	76.57613574	91.24998930	90.38186970
Se 196.026	Se	0.03000003	mg/L	144.36563181	-	0.03000003	0.03000003	0.03000003	152.98355154	139.54321963	140.57012426
Si 251.611	Si		mg/L	789.77350325	-				740.68220472	798.72168184	829.91662321
Sn 189.925	Sn	0.01000000	mg/L	115.29328999	-	0.01000000	0.01000000	0.01000000	108.37528130	116.18600978	121.31857890
Sr 421.552	Sr-R	0.05000000	mg/L	19391.43132067	-	0.05000000	0.05000000	0.05000000	19491.28253250	19452.28940150	19230.72202802
Ti 334.941	Ti	0.01000000	mg/L	2994.01036947	-	0.01000000	0.01000000	0.01000000	2861.90875764	2962.80573275	3157.31661803
Tl 190.794	Tl	0.03000030	mg/L	83.94942423	-	0.03000030	0.03000030	0.03000030	76.87956374	83.49808762	91.47062135
V 292.401	V	0.00500000	mg/L	178.69137814	-	0.00500000	0.00500000	0.00500000	173.39467725	199.64233826	163.03711892
Zn 206.200	Zn	0.03000030	mg/L	1810.01311036	-	0.03000030	0.03000030	0.03000030	1734.73767269	1813.83697953	1881.46467888
Y 371.029	Y	0.99	Ratio	805810.98	0.94	0.98	0.99	1.00	797675.12	807038.82	812719.01
Y 371.029	Y-R	1.00	Ratio	199065.99	0.27	0.99	1.00	1.00	198478.63	199173.89	199545.43

Instrument ID: MET09

Label: ICAL,L3,S17469 | Rack:Tube: S1:4 | Type: STD

Date Time: 11/3/2022 7:48:16 PM | Flags: | Weight: -

Volume: - | Dilution: - | LIMS ID:

Customer: | Customer Ref.: | Sample Date Time:

Sample Site: | Description: | Flags Replicate 1:

Flags Replicate 2: | Flags Replicate 3:

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	285.77912360	-				238.65650207	225.99764776	392.68322098
Al 396.152	Al	0.20000000	mg/L	7065.06985510	-	0.20000000	0.20000000	0.20000000	6896.40873856	7098.74410754	7200.05671920
As 188.980	As	0.10000000	mg/L	420.64954001	-	0.10000000	0.10000000	0.10000000	415.53613646	423.76916722	422.64331635
B 249.678	B	0.10000000	mg/L	3167.47570387	-	0.10000000	0.10000000	0.10000000	3064.63472385	3185.63618383	3252.15620395
Ba 230.424	Ba	0.10000000	mg/L	8851.24969981	-	0.10000000	0.10000000	0.10000000	8566.98470404	8929.72457997	9057.03981543
Be 313.107	Be	0.05000000	mg/L	93789.45246784	-	0.05000000	0.05000000	0.05000000	90446.58560707	94838.71084778	96083.06094866
Ca 317.933	Ca-R		mg/L	2215.64783365	-				2225.33352643	2215.83367887	2205.77629567
Cd 214.439	Cd	0.05000000	mg/L	8994.70179051	-	0.05000000	0.05000000	0.05000000	8689.28130715	9081.70942346	9213.11464091
Co 230.786	Co	0.05000000	mg/L	1693.74674754	-	0.05000000	0.05000000	0.05000000	1619.59742411	1716.00543026	1745.63738824
Cr 267.716	Cr	0.10000000	mg/L	5582.29131135	-	0.10000000	0.10000000	0.10000000	5364.92126277	5657.95701110	5723.99566017
Cu 324.754	Cu	0.10000000	mg/L	4590.88114539	-	0.10000000	0.10000000	0.10000000	4475.12622363	4658.76618932	4638.75102321
Fe 259.940	Fe	0.20000000	mg/L	10234.70355920	-	0.20000000	0.20000000	0.20000000	9866.58053991	10350.75228915	10486.77784854
K 766.491	K-R		mg/L	122.47868161	-				111.46553380	166.04076617	89.92974486
Li 670.783	Li-R	0.10000000	mg/L	9931.95530301	-	0.10000000	0.10000000	0.10000000	9824.43434040	9917.31199710	10054.11957152
Mg 279.800	Mg-R		mg/L	68.59104565	-				68.81082623	74.97178647	61.99052424
Mn 257.610	Mn	0.10000000	mg/L	40620.61325450	-	0.10000000	0.10000000	0.10000000	39125.81068770	41182.94654223	41553.08253355
Mo 204.598	Mo	0.10000000	mg/L	1012.67963102	-	0.10000000	0.10000000	0.10000000	981.25814725	1024.48947623	1032.29126958
Na 589.592	Na-R		mg/L	681.07851105	-				706.70346486	662.96101075	673.57105753
Ni 231.604	Ni	0.10000000	mg/L	1899.64441099	-	0.10000000	0.10000000	0.10000000	1826.83053698	1907.43497920	1964.66771680
P 177.434	P		mg/L	3.98761704	-				6.50950008	1.69603953	3.75731150
Pb 220.353	Pb	0.10000000	mg/L	965.66785422	-	0.10000000	0.10000000	0.10000000	953.06641067	969.74332503	974.19382696
S 181.972	S		mg/L	154.34130994	-				159.69299322	157.22935192	146.10158468
Sb 206.834	Sb	0.30000300	mg/L	918.17648807	-	0.30000300	0.30000300	0.30000300	862.97050215	922.37368647	969.18527560
Se 196.026	Se	0.30000030	mg/L	1028.03521314	-	0.30000030	0.30000030	0.30000030	999.91401152	1028.47903188	1055.71259604
Si 251.611	Si		mg/L	38.45457925	-				34.93732364	51.23535284	29.19106128
Sn 189.925	Sn	0.10000000	mg/L	1019.62679164	-	0.10000000	0.10000000	0.10000000	986.40288420	1032.44661739	1040.03087334
Sr 421.552	Sr-R	0.50000000	mg/L	196029.55474162	-	0.50000000	0.50000000	0.50000000	195032.33831382	195013.72423394	198042.60167710
Ti 334.941	Ti	0.10000000	mg/L	29400.82114231	-	0.10000000	0.10000000	0.10000000	28302.66017136	29532.12580482	30367.67745074
Tl 190.794	Tl	0.30000300	mg/L	972.97522467	-	0.30000300	0.30000300	0.30000300	942.98039838	989.90778358	986.03749206
V 292.401	V	0.05000000	mg/L	1653.83193019	-	0.05000000	0.05000000	0.05000000	1600.05249923	1662.45359944	1698.98969189
Zn 206.200	Zn	0.30000300	mg/L	16471.94028992	-	0.30000300	0.30000300	0.30000300	15917.70451766	16660.98306447	16837.13328762
Y 371.029	Y	1.02	Ratio	828643.34	1.26	1.01	1.02	1.03	818485.54	828137.17	839307.31
Y 371.029	Y-R	1.01	Ratio	202212.39	0.55	1.01	1.02	1.01	201804.43	203471.89	201360.87

Instrument ID: MET09

Label:	ICAL,L4,S17466	**Rack:Tube:**	S1:5	**Type:**	STD
Date Time:	11/3/2022 7:51:38 PM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	219.03497152	-				246.56082413	191.38523308	219.15885736
Al 396.152	Al	2.00000000	mg/L	61074.03327299	-	2.00000000	2.00000000	2.00000000	58272.43793694	61476.13139463	63473.53048741
As 188.980	As	1.00000000	mg/L	3942.05936774	-	1.00000000	1.00000000	1.00000000	3765.12793180	3977.11290479	4083.93726664
B 249.678	B	1.00000000	mg/L	29604.07645875	-	1.00000000	1.00000000	1.00000000	28045.62901597	29782.78384361	30983.81651667
Ba 230.424	Ba	1.00000000	mg/L	85971.95010170	-	1.00000000	1.00000000	1.00000000	81849.39686693	86084.17846672	89982.27497145
Be 313.107	Be	0.50000000	mg/L	951724.79893006	-	0.50000000	0.50000000	0.50000000	906014.30843526	955886.70090828	993273.38744666
Ca 317.933	Ca-R		mg/L	2282.82297916	-				2283.73646920	2307.98539471	2256.74707357
Cd 214.439	Cd	0.50000000	mg/L	89303.59042194	-	0.50000000	0.50000000	0.50000000	85240.19004347	89299.36888038	93371.21234197
Co 230.786	Co	0.50000000	mg/L	16992.49990381	-	0.50000000	0.50000000	0.50000000	16199.95961133	17105.87203614	17671.66806397
Cr 267.716	Cr	1.00000000	mg/L	55157.27362779	-	1.00000000	1.00000000	1.00000000	52562.71170112	55515.44032995	57393.66885231
Cu 324.754	Cu	1.00000000	mg/L	37603.35154758	-	1.00000000	1.00000000	1.00000000	35794.41587662	37919.37834477	39096.26042135
Fe 259.940	Fe	2.00000000	mg/L	101309.61105426	-	2.00000000	2.00000000	2.00000000	96695.14075447	101950.67485725	105283.01755107
K 766.491	K-R		mg/L	76.62954897	-				70.12793213	64.67136100	95.08935377
Li 670.783	Li-R	1.00000000	mg/L	101736.22185829	-	1.00000000	1.00000000	1.00000000	101085.55418316	102494.05179733	101629.05959438
Mg 279.800	Mg-R		mg/L	77.74732093	-				81.27429044	79.64413930	72.32353304
Mn 257.610	Mn	1.00000000	mg/L	404845.77953077	-	1.00000000	1.00000000	1.00000000	386110.41996576	407639.97544211	420786.94318445
Mo 204.598	Mo	1.00000000	mg/L	10129.69144779	-	1.00000000	1.00000000	1.00000000	9664.56815591	10213.33070324	10511.17548422
Na 589.592	Na-R		mg/L	5637.78202304	-				5630.28621798	5664.83341688	5618.22643424
Ni 231.604	Ni	1.00000000	mg/L	19160.74523635	-	1.00000000	1.00000000	1.00000000	18255.95840353	19310.21170762	19916.06559791
P 177.434	P		mg/L	6.89594895	-				9.12343471	7.48283507	4.08157706
Pb 220.353	Pb	1.00000000	mg/L	9965.41851237	-	1.00000000	1.00000000	1.00000000	9499.33518706	10046.48364200	10350.43670806
S 181.972	S		mg/L	170.13749397	-				173.80625900	169.96598724	166.64023567
Sb 206.834	Sb	3.00003000	mg/L	11020.11669115	-	3.00003000	3.00003000	3.00003000	10499.65804274	11104.58221526	11456.10981545
Se 196.026	Se	3.00000300	mg/L	9953.76631353	-	3.00000300	3.00000300	3.00000300	9511.97383900	10019.68948654	10329.63561506
Si 251.611	Si		mg/L	170.90840410	-				179.72928896	164.83052867	168.16539467
Sn 189.925	Sn	1.00000000	mg/L	10200.79782629	-	1.00000000	1.00000000	1.00000000	9721.74437693	10262.35969172	10618.28941021
Sr 421.552	Sr-R	5.00000000	mg/L	1981671.82617294	-	5.00000000	5.00000000	5.00000000	1967876.89754798	2001940.82102279	1975197.75994804
Ti 334.941	Ti	1.00000000	mg/L	293432.29399588	-	1.00000000	1.00000000	1.00000000	278101.38305639	295474.43490606	306721.06402520
Tl 190.794	Tl	3.00003000	mg/L	9619.94017796	-	3.00003000	3.00003000	3.00003000	9099.42880916	9711.32698673	10049.06473799
V 292.401	V	0.50000000	mg/L	16384.08139918	-	0.50000000	0.50000000	0.50000000	15583.01495933	16488.76664631	17080.46259190
Zn 206.200	Zn	3.00003000	mg/L	163480.68506842	-	3.00003000	3.00003000	3.00003000	155725.17644274	164121.93114489	170594.94761763
Y 371.029	Y	0.99	Ratio	802697.33	1.12	0.97	0.99	0.99	792359.71	807322.43	808409.85
Y 371.029	Y-R	0.99	Ratio	198823.74	0.76	1.00	0.99	0.99	200343.83	197328.06	198799.34

Instrument ID: MET09

Label:	ICAL,L5,S17429,2X	**Rack:Tube:**	S1:6	**Type:**	STD
Date Time:	11/3/2022 7:55:00 PM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	109.80316737	-				122.67696111	112.49467081	94.23787018
Al 396.152	Al	10.00000000	mg/L	313362.46459661	-	10.00000000	10.00000000	10.00000000	301342.42317236	315413.78015256	323331.19046491
As 188.980	As	5.00000000	mg/L	20182.19216520	-	5.00000000	5.00000000	5.00000000	19489.76645948	20365.31687085	20691.49316525
B 249.678	B	5.00000000	mg/L	151986.79413439	-	5.00000000	5.00000000	5.00000000	146367.82121206	153940.61646577	155651.94472535
Ba 230.424	Ba	5.00000000	mg/L	435017.21661890	-	5.00000000	5.00000000	5.00000000	420792.42987551	435123.28868418	449135.93129703
Be 313.107	Be	2.50000000	mg/L	4886623.20071647	-	2.50000000	2.50000000	2.50000000	4706430.50947724	4917913.50513636	5035525.58753579
Ca 317.933	Ca-R		mg/L	2354.04458055	-				2317.16490501	2380.02237870	2364.94645793
Cd 214.439	Cd	2.50000000	mg/L	446082.80218328	-	2.50000000	2.50000000	2.50000000	424502.15313914	452679.99052533	461066.26288536
Co 230.786	Co	2.50000000	mg/L	85984.72216203	-	2.50000000	2.50000000	2.50000000	82517.19843256	86609.05349749	88827.91455605
Cr 267.716	Cr	5.00000000	mg/L	281454.54018655	-	5.00000000	5.00000000	5.00000000	270968.54867479	283164.55999195	290230.51189291
Cu 324.754	Cu	5.00000000	mg/L	189812.29416072	-	5.00000000	5.00000000	5.00000000	183250.29182570	191864.19469061	194322.39596585
Fe 259.940	Fe	10.00000000	mg/L	511516.05078018	-	10.00000000	10.00000000	10.00000000	492119.38500675	514657.73333997	527771.03399382
K 766.491	K-R		mg/L	96.69123969	-				114.54903578	55.30263227	120.22205101
Li 670.783	Li-R	5.00000000	mg/L	513009.18982879	-	5.00000000	5.00000000	5.00000000	507369.04996853	514630.18842844	517028.33108941
Mg 279.800	Mg-R		mg/L	132.42223771	-				133.40281244	117.18922250	146.67467818
Mn 257.610	Mn	5.00000000	mg/L	2031204.62514851	-	5.00000000	5.00000000	5.00000000	1953531.18125393	2044678.18218197	2095404.51200962
Mo 204.598	Mo	5.00000000	mg/L	51788.95360513	-	5.00000000	5.00000000	5.00000000	49793.91491710	52419.21959170	53153.72630658
Na 589.592	Na-R		mg/L	29955.28192401	-				29612.30145587	30050.88774105	30202.65657511
Ni 231.604	Ni	5.00000000	mg/L	96924.59652279	-	5.00000000	5.00000000	5.00000000	93076.25995750	97702.47383943	99995.05577145
P 177.434	P		mg/L	-15.28374930	-				-16.14202443	-14.08330401	-15.62591946
Pb 220.353	Pb	5.00000000	mg/L	50263.93818020	-	5.00000000	5.00000000	5.00000000	48442.94358174	50680.08224049	51668.78871836
S 181.972	S		mg/L	192.17163786	-				188.86576309	194.78731815	192.86183234
Sb 206.834	Sb	15.00015000	mg/L	56994.62216298	-	15.00015000	15.00015000	15.00015000	54900.82701962	57374.64146947	58708.39799984
Se 196.026	Se		mg/L	41.64326461	-				44.99391864	33.15146551	46.78440969
Si 251.611	Si		mg/L	730.68216456	-				674.67444480	735.39496085	781.97708804
Sn 189.925	Sn	5.00000000	mg/L	51903.75582464	-	5.00000000	5.00000000	5.00000000	50028.24570478	51935.93023646	53747.09153269
Sr 421.552	Sr-R	25.00000000	mg/L	9794175.33078564	-	25.00000000	25.00000000	25.00000000	9541324.12973921	9920306.27660549	9920895.58601223
Ti 334.941	Ti	5.00000000	mg/L	1482390.05357655	-	5.00000000	5.00000000	5.00000000	1417918.74018496	1496579.11528949	1532672.30525520
Tl 190.794	Tl	15.00015000	mg/L	49020.72063330	-	15.00015000	15.00015000	15.00015000	47170.82167634	49373.36041319	50517.97981037
V 292.401	V	2.50000000	mg/L	84103.53638027	-	2.50000000	2.50000000	2.50000000	80857.49907158	84675.50219180	86777.60787744
Zn 206.200	Zn	15.00015000	mg/L	806490.88975933	-	15.00015000	15.00015000	15.00015000	780892.67907749	807371.34880371	831208.64139679
Y 371.029	Y	0.99	Ratio	805879.73	0.98	0.98	0.99	1.00	797123.27	808097.77	812418.15
Y 371.029	Y-R	0.99	Ratio	198155.55	1.55	1.01	0.98	0.98	201702.39	196516.01	196248.23

Instrument ID: MET09

Label:	ICAL,L6,S17429	Rack:Tube:	S1:7	Type:	STD
Date Time:	11/3/2022 7:58:22 PM	Flags:		Weight:	-
Volume:	-	Dilution:	-	LIMS ID:	
Customer:		Customer Ref.:		Sample Date Time:	
Sample Site:		Description:		Flags Replicate 1:	
Flags Replicate 2:		Flags Replicate 3:			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	118.78371424	-				149.43937802	110.85008507	96.06167963
Al 396.152	Al	20.00000000	mg/L	602429.78050988	-	20.00000000	20.00000000	20.00000000	575486.41503268	607483.22056169	624319.70593529
As 188.980	As	10.00000000	mg/L	38604.64313746	-	10.00000000	10.00000000	10.00000000	37002.81983379	39021.08893732	39790.02064128
B 249.678	B	10.00000000	mg/L	292914.65913355	-	10.00000000	10.00000000	10.00000000	281592.19389879	294079.50245190	303072.28104998
Ba 230.424	Ba	10.00000000	mg/L	832067.90323516	-	10.00000000	10.00000000	10.00000000	798231.33368422	837233.35164189	860739.02437938
Be 313.107	Be	5.00000000	mg/L	9319046.26745822	-	5.00000000	5.00000000	5.00000000	8866300.15884868	9405847.33768548	9684991.30584050
Ca 317.933	Ca-R		mg/L	2372.93778113	-				2350.39331227	2368.70817730	2399.71185381
Cd 214.439	Cd	5.00000000	mg/L	844060.39215039	-	5.00000000	5.00000000	5.00000000	805738.11157540	845818.65590922	880624.40896655
Co 230.786	Co	5.00000000	mg/L	164251.29013925	-	5.00000000	5.00000000	5.00000000	156865.57761764	166007.12471033	169881.16808978
Cr 267.716	Cr	10.00000000	mg/L	534920.48292838	-	10.00000000	10.00000000	10.00000000	511180.76973322	539836.74077381	553743.93827810
Cu 324.754	Cu	10.00000000	mg/L	368067.44710131	-	10.00000000	10.00000000	10.00000000	351701.20306825	371426.17600361	381074.96223205
Fe 259.940	Fe	20.00000000	mg/L	973124.22637713	-	20.00000000	20.00000000	20.00000000	930136.79066214	980239.40827187	1008996.48019740
K 766.491	K-R		mg/L	87.47437899	-				86.30076338	70.86485545	105.25751814
Li 670.783	Li-R	10.00000000	mg/L	1005226.88432643	-	10.00000000	10.00000000	10.00000000	991636.13663533	1009010.59922909	1015033.91711488
Mg 279.800	Mg-R		mg/L	205.55394152	-				205.30000507	210.81254215	200.54927733
Mn 257.610	Mn	10.00000000	mg/L	3831532.01707796	-	10.00000000	10.00000000	10.00000000	3676336.59244429	3864782.17855247	3953477.28023714
Mo 204.598	Mo	10.00000000	mg/L	100272.35732003	-	10.00000000	10.00000000	10.00000000	95857.85369376	101034.40931166	103924.80895467
Na 589.592	Na-R		mg/L	58860.72341517	-				58086.57540696	59017.08803750	59478.50680105
Ni 231.604	Ni	10.00000000	mg/L	185131.05207559	-	10.00000000	10.00000000	10.00000000	176902.27170983	187048.09892984	191442.78558709
P 177.434	P		mg/L	-22.45442215	-				-19.63527819	-22.37032450	-25.35766375
Pb 220.353	Pb	10.00000000	mg/L	95606.52146588	-	10.00000000	10.00000000	10.00000000	91653.63402970	96402.88084408	98763.04952385
S 181.972	S		mg/L	215.36754612	-				219.41048908	206.22288951	220.46925976
Sb 206.834	Sb	30.00030000	mg/L	109912.34804664	-	30.00030000	30.00030000	30.00030000	105148.00125432	110845.00795533	113744.03493028
Se 196.026	Se		mg/L	38.75979620	-				36.51208458	39.22353635	40.54376766
Si 251.611	Si		mg/L	1448.89946630	-				1335.08168988	1451.54192226	1560.07478675
Sn 189.925	Sn	10.00000000	mg/L	99067.50474064	-	10.00000000	10.00000000	10.00000000	94891.90723417	99983.42846668	102327.17852107
Sr 421.552	Sr-R	50.00000000	mg/L	19145005.91697830	-	50.00000000	50.00000000	50.00000000	18988201.48277680	19109115.15410780	19337701.11405030
Ti 334.941	Ti	10.00000000	mg/L	2849155.28542347	-	10.00000000	10.00000000	10.00000000	2728683.52117343	2853617.69808236	2965164.63701463
Tl 190.794	Tl	30.00030000	mg/L	93439.24701842	-	30.00030000	30.00030000	30.00030000	89262.91454646	94473.74986739	96581.07664140
V 292.401	V	5.00000000	mg/L	161675.32976948	-	5.00000000	5.00000000	5.00000000	154555.22167529	162791.50890494	167679.25872821
Zn 206.200	Zn	30.00030000	mg/L	1512915.68863066	-	30.00030000	30.00030000	30.00030000	1443352.55507756	1519616.44593244	1575778.06488197
Y 371.029	Y	1.01	Ratio	821735.08	1.04	1.00	1.01	1.02	812198.28	824321.23	828685.74
Y 371.029	Y-R	1.00	Ratio	200246.36	1.35	1.02	1.00	0.99	203349.26	199042.08	198347.73

Instrument ID: MET09

Label:	ICAL,L7,S17316	**Rack:Tube:**	S1:8	**Type:**	STD
Date Time:	11/3/2022 8:01:44 PM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	2.00000000	mg/L	133272.76083238	-	2.00000000	2.00000000	2.00000000	128318.95963663	134193.54413784	137305.77872267
Al 396.152	Al		mg/L	1239.23321178	-				1255.13787440	1203.20874600	1259.35301495
As 188.980	As		mg/L	15.34440207	-				22.86959033	13.99934637	9.16426952
B 249.678	B		mg/L	612.46736255	-				688.23796827	611.43849673	537.72562267
Ba 230.424	Ba		mg/L	196.06606936	-				207.88440330	201.52976444	178.78404033
Be 313.107	Be		mg/L	410.91154772	-				478.33708221	424.88900174	329.50855921
Ca 317.933	Ca-R		mg/L	2244.87010024	-				2230.85909167	2251.22605209	2252.52515695
Cd 214.439	Cd		mg/L	65.76404644	-				63.68870144	65.17847027	68.42496759
Co 230.786	Co		mg/L	79.44646256	-				72.09520182	78.99362620	87.25055964
Cr 267.716	Cr		mg/L	21.53550136	-				10.24104479	21.35039833	33.01506096
Cu 324.754	Cu		mg/L	1112.21267475	-				1112.60204720	1128.34727551	1095.68870154
Fe 259.940	Fe		mg/L	129.85935482	-				124.59863696	126.53823063	138.44119688
K 766.491	K-R		mg/L	5.54940365	-				-21.12969536	-0.62839910	38.40630540
Li 670.783	Li-R		mg/L	-13.82825627	-				-30.90389678	32.56017588	-43.14104791
Mg 279.800	Mg-R		mg/L	61.58443121	-				63.07982531	66.75136212	54.92210620
Mn 257.610	Mn		mg/L	593.98507147	-				600.08731943	582.70914957	599.15874540
Mo 204.598	Mo		mg/L	57.42421176	-				52.67418623	59.79169402	59.80675504
Na 589.592	Na-R		mg/L	133.79988568	-				156.77858070	143.26400742	101.35706893
Ni 231.604	Ni		mg/L	3.10002943	-				6.04267557	5.42668732	-2.16927461
P 177.434	P		mg/L	6.34993922	-				5.10997113	8.49652599	5.44332054
Pb 220.353	Pb		mg/L	-53.05812020	-				-34.33940645	-60.21469380	-64.62026035
S 181.972	S		mg/L	169.49227664	-				169.59022720	175.16077770	163.72582501
Sb 206.834	Sb		mg/L	5.88392601	-				-4.07597640	6.07234900	15.65540543
Se 196.026	Se		mg/L	36.20093628	-				38.06346232	33.54109641	36.99825011
Si 251.611	Si		mg/L	25.43661087	-				17.49280396	28.78368595	30.03334270
Sn 189.925	Sn		mg/L	20.07405933	-				20.36827798	20.67751825	19.17638176
Sr 421.552	Sr-R		mg/L	209.44269593	-				198.54630165	237.49011221	192.29167392
Ti 334.941	Ti		mg/L	168.22812015	-				170.75069657	164.31920620	169.61445768
Tl 190.794	Tl		mg/L	0.38548474	-				0.40843252	0.49007284	0.25794886
V 292.401	V		mg/L	35.43773485	-				44.13356191	20.08923665	42.09040599
Zn 206.200	Zn		mg/L	120.10515640	-				126.39116114	124.53642568	109.38788238
Y 371.029	Y	1.02	Ratio	834140.00	0.98	1.02	1.02	1.04	826545.72	833143.17	842731.13
Y 371.029	Y-R	1.01	Ratio	201623.55	0.65	1.01	1.00	1.01	202841.47	200232.45	201796.73

Instrument ID: MET09

Label:	ICAL,L8,S17333	**Rack:Tube:**	S1:9	**Type:**	STD
Date Time:	11/3/2022 8:05:05 PM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	236.84647514	-				327.88816287	157.38279826	225.26846427
Al 396.152	Al		mg/L	1094.03404927	-				1153.16343922	1073.11753351	1055.82117509
As 188.980	As		mg/L	16.99508907	-				17.17002615	26.76518647	7.05005460
B 249.678	B		mg/L	431.68713018	-				467.02328459	413.93621117	414.10189479
Ba 230.424	Ba		mg/L	201.87471295	-				217.36478106	196.84273416	191.41662362
Be 313.107	Be		mg/L	301.53602807	-				342.37489280	282.65329887	279.57989254
Ca 317.933	Ca-R	10.00000000	mg/L	107192.22590173	-	10.00000000	10.00000000	10.00000000	106300.91102909	107939.02529834	107336.74137775
Cd 214.439	Cd		mg/L	62.71398417	-				52.95296906	58.79507919	76.39390425
Co 230.786	Co		mg/L	73.35674809	-				86.81037272	73.36259826	59.89727328
Cr 267.716	Cr		mg/L	10.01999685	-				18.44772754	-3.13128946	14.74355246
Cu 324.754	Cu		mg/L	1081.80534898	-				1092.61212686	1072.47422468	1080.32969541
Fe 259.940	Fe		mg/L	90.76806816	-				86.31695216	80.16201699	105.82523533
K 766.491	K-R	50.00000000	mg/L	64413.03637236	-	50.00000000	50.00000000	50.00000000	63856.94193690	64832.67452727	64549.49265291
Li 670.783	Li-R		mg/L	85.16353645	-				120.39861012	52.20045669	82.89154254
Mg 279.800	Mg-R	10.00000000	mg/L	20743.54760938	-	10.00000000	10.00000000	10.00000000	20598.81402663	20896.07159827	20735.75720323
Mn 257.610	Mn		mg/L	233.04611669	-				251.43488378	225.66280413	222.04066216
Mo 204.598	Mo		mg/L	43.43658419	-				46.37502378	42.22832430	41.70640449
Na 589.592	Na-R	50.00000000	mg/L	464335.83676393	-	50.00000000	50.00000000	50.00000000	460498.57261831	467132.72950196	465376.20817151
Ni 231.604	Ni		mg/L	24.02321372	-				17.86297424	29.55146186	24.65520506
P 177.434	P		mg/L	3.85696392	-				3.39973001	4.55463761	3.61652414
Pb 220.353	Pb		mg/L	-41.96779582	-				-53.80941956	-31.22620488	-40.86776303
S 181.972	S		mg/L	159.13687910	-				159.75775165	154.18484726	163.46803840
Sb 206.834	Sb		mg/L	-7.77980265	-				-10.67646899	-14.10688484	1.44394589
Se 196.026	Se		mg/L	32.23959959	-				29.16142515	27.81834049	39.73903314
Si 251.611	Si	10.00000000	mg/L	73785.07383368	-	10.00000000	10.00000000	10.00000000	71062.33324644	73924.60979663	76368.27845797
Sn 189.925	Sn		mg/L	22.03436225	-				22.54047587	19.53076414	24.03184673
Sr 421.552	Sr-R		mg/L	235.29038542	-				236.67921042	255.03218549	214.15976034
Ti 334.941	Ti		mg/L	335.83890750	-				230.29075588	364.57612944	412.64983719
Tl 190.794	Tl		mg/L	1.57267574	-				1.94684025	-0.30015236	3.07133933
V 292.401	V		mg/L	13.24736850	-				20.81077631	3.02337696	15.90795224
Zn 206.200	Zn		mg/L	83.77122479	-				88.34877253	79.81356694	83.15133490
Y 371.029	Y	1.01	Ratio	819038.54	0.63	1.00	1.00	1.01	814800.30	817489.24	824826.08
Y 371.029	Y-R	0.99	Ratio	198290.60	0.91	1.00	0.98	0.99	200104.54	196494.61	198272.64

Instrument ID: MET09

Label:	ICAL,L9,S17334	Rack:Tube:	S1:10	Type:	STD
Date Time:	11/3/2022 8:08:27 PM	Flags:		Weight:	-
Volume:	-	Dilution:	-	LIMS ID:	
Customer:		Customer Ref.:		Sample Date Time:	
Sample Site:		Description:		Flags Replicate 1:	
Flags Replicate 2:		Flags Replicate 3:			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	285.11553359	-				294.97056712	281.66268875	278.71334490
Al 396.152	Al		mg/L	1052.58564217	-				1080.29355693	1005.10035191	1072.36301766
As 188.980	As		mg/L	15.70247602	-				13.70096713	14.19616246	19.21029847
B 249.678	B		mg/L	347.56545567	-				354.64850866	363.32567145	324.72218690
Ba 230.424	Ba		mg/L	181.61898350	-				188.76604869	185.66894476	170.42195707
Be 313.107	Be		mg/L	229.37873534	-				227.89978048	213.32771239	246.90871313
Ca 317.933	Ca-R		mg/L	2213.47377811	-				2223.34839198	2218.69520773	2198.37773463
Cd 214.439	Cd		mg/L	55.68478795	-				67.75448259	47.92344284	51.37643842
Co 230.786	Co		mg/L	84.01706092	-				83.50937177	84.28850721	84.25330376
Cr 267.716	Cr		mg/L	22.20551042	-				27.34122476	14.53041456	24.74489193
Cu 324.754	Cu		mg/L	1081.81618354	-				1093.55433947	1087.69073840	1064.20347274
Fe 259.940	Fe		mg/L	85.54853354	-				102.14394065	71.17159077	83.33006922
K 766.491	K-R		mg/L	96.86052522	-				144.31895613	77.37046965	68.89214986
Li 670.783	Li-R		mg/L	-15.11487488	-				9.98600907	-72.79584781	17.46521411
Mg 279.800	Mg-R		mg/L	68.02415542	-				69.14285058	54.44393632	80.48567936
Mn 257.610	Mn		mg/L	154.12909774	-				167.29944156	143.68326393	151.40458772
Mo 204.598	Mo		mg/L	37.90543149	-				43.66911252	37.66201634	32.38516562
Na 589.592	Na-R		mg/L	105.88344523	-				109.42575997	112.35548302	95.86909270
Ni 231.604	Ni		mg/L	16.19600162	-				15.30191838	8.08113734	25.20494914
P 177.434	P	10.00000000	mg/L	8789.03454703	-	10.00000000	10.00000000	10.00000000	8416.52547492	8872.82191585	9077.75625033
Pb 220.353	Pb		mg/L	-40.03704564	-				-42.16952492	-35.09228359	-42.84932841
S 181.972	S	10.00000000	mg/L	13411.97542938	-	10.00000000	10.00000000	10.00000000	12852.25289584	13555.24392129	13828.42947102
Sb 206.834	Sb		mg/L	-22.51273576	-				-20.48139227	-17.07047929	-29.98633573
Se 196.026	Se		mg/L	41.69134666	-				40.68945344	39.76233665	44.62224990
Si 251.611	Si		mg/L	38.70348760	-				32.59705710	46.82008724	36.69331845
Sn 189.925	Sn		mg/L	16.53531948	-				22.19800405	18.76982535	8.63812904
Sr 421.552	Sr-R		mg/L	136.15041984	-				144.48509370	123.10588959	140.86027623
Ti 334.941	Ti		mg/L	297.21154072	-				285.36607925	242.53016452	363.73837838
Tl 190.794	Tl		mg/L	1.45059743	-				5.34879293	-1.17537233	0.17837170
V 292.401	V		mg/L	31.11522540	-				9.48485858	46.28786957	37.57294806
Zn 206.200	Zn		mg/L	74.12283367	-				73.30078047	85.95996701	63.10775352
Y 371.029	Y	1.03	Ratio	839085.29	0.75	1.02	1.03	1.04	831925.24	841571.67	843758.95
Y 371.029	Y-R	1.02	Ratio	204432.42	0.46	1.03	1.02	1.02	205442.15	203569.58	204285.53

Instrument ID: MET09

Label:	ICAL,L10,S17210	**Rack:Tube:**	S1:11	**Type:**	STD
Date Time:	11/3/2022 8:11:49 PM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag		mg/L	279.05561627	-				284.18953051	316.48222328	236.49509503
Al 396.152	Al		mg/L	12608.67659698	-				11969.86237132	12711.60996275	13144.55745688
As 188.980	As		mg/L	14.54037239	-				15.44078402	18.01805213	10.16228101
B 249.678	B		mg/L	375.96594643	-				360.57776740	395.85984919	371.46022268
Ba 230.424	Ba		mg/L	260.73717526	-				276.21230679	250.61319708	255.38602190
Be 313.107	Be		mg/L	287.55098400	-				266.39340230	307.85831772	288.40123197
Ca 317.933	Ca-R	200.00000000	mg/L	2016277.48693945	-	200.00000000	200.00000000	200.00000000	2018611.72923777	2012990.36264463	2017230.36893597
Cd 214.439	Cd		mg/L	81.40455551	-				66.85808299	93.56124451	83.79433903
Co 230.786	Co		mg/L	62.22681603	-				51.70417490	89.02656905	45.94970413
Cr 267.716	Cr		mg/L	35.81448206	-				27.46455059	28.10561043	51.87328517
Cu 324.754	Cu		mg/L	1161.91954365	-				1177.67697107	1164.22532489	1143.85633500
Fe 259.940	Fe		mg/L	1607.69629704	-				1536.35298550	1594.30305591	1692.43284970
K 766.491	K-R	200.00000000	mg/L	265591.26649642	-	200.00000000	200.00000000	200.00000000	265665.27107213	265008.42276851	266100.10564862
Li 670.783	Li-R		mg/L	170.58999813	-				196.17201399	180.67168747	134.92629295
Mg 279.800	Mg-R	200.00000000	mg/L	402893.41670598	-	200.00000000	200.00000000	200.00000000	403387.80229334	402157.58715696	403134.86066765
Mn 257.610	Mn		mg/L	758.62920277	-				738.37048965	774.73997764	762.77714102
Mo 204.598	Mo		mg/L	36.40079283	-				31.42707001	38.52822833	39.24708015
Na 589.592	Na-R	200.00000000	mg/L	1874178.31780173	-	200.00000000	200.00000000	200.00000000	1869754.39316351	1869894.10491532	1882886.45532637
Ni 231.604	Ni		mg/L	1246.05327828	-				2679.05684906	54.84186309	1004.26112270
P 177.434	P		mg/L	5.37665563	-				5.06119747	6.22019272	4.84857671
Pb 220.353	Pb		mg/L	-34.70239691	-				-9.51145738	-56.85876332	-37.73697002
S 181.972	S		mg/L	205.23548550	-				200.97050234	207.71028968	207.02566447
Sb 206.834	Sb		mg/L	-27.51149469	-				-29.70976855	-19.72273883	-33.10197668
Se 196.026	Se		mg/L	36.29096840	-				38.96400494	40.16112908	29.74777120
Si 251.611	Si		mg/L	55.72551778	-				53.45609743	49.62620474	64.09425118
Sn 189.925	Sn		mg/L	8.02833493	-				6.20815739	8.16319302	9.71365439
Sr 421.552	Sr-R		mg/L	1206.36302087	-				1210.92083621	1198.86793173	1209.30029466
Ti 334.941	Ti		mg/L	233.29549301	-				312.26057944	199.16740520	188.45849438
Tl 190.794	Tl		mg/L	3.22578062	-				0.08140974	3.98031282	5.61561929
V 292.401	V		mg/L	13.39704942	-				14.93103713	12.48501781	12.77509333
Zn 206.200	Zn		mg/L	573.68061301	-				550.41118280	587.37670582	583.25395042
Y 371.029	Y	0.98	Ratio	797727.08	0.61	0.97	0.98	0.99	792751.95	798001.53	802427.75
Y 371.029	Y-R	0.96	Ratio	190987.55	0.49	0.95	0.96	0.95	190367.72	192059.00	190535.93

Instrument ID: MET09

Label:	ICV,S17413	**Rack:Tube:**	S1:12	**Type:**	QC
Date Time:	11/3/2022 8:15:11 PM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.53017761	mg/L	35534.41180306	3.47503236	0.50971103	0.53538325	0.54543855	34173.01261753	35880.68131289	36549.54147875
Al 396.152	Al	1.09676263	mg/L	34196.25236789	3.73523544	1.05251306	1.10440470	1.13337014	32866.34600777	34425.93213527	35296.47896062
As 188.980	As	1.01479678	mg/L	4067.88849626	2.67955156	0.98503085	1.02102546	1.03833404	3949.18997541	4092.72676646	4161.74874691
B 249.678	B	1.02310752	mg/L	30650.83276255	3.25371947	0.98608005	1.03268341	1.05055912	29557.08911819	30933.69188049	31461.71728898
Ba 230.424	Ba	0.94955647	mg/L	83182.30247778	3.46900373	0.91337999	0.95747118	0.97781822	80020.47405472	83874.04960522	85652.38377340
Be 313.107	Be	1.04205185	mg/L	1951242.01974801	3.56578446	1.00078089	1.05252871	1.07284595	1873969.05682218	1970858.17702256	2008898.82539929
Ca 317.933	Ca-R	101.56926312	mg/L	1026613.62987331	0.11900370	101.58120382	101.68372079	101.44286476	1026734.04162824	1027767.83808340	1025339.00990830
Cd 214.439	Cd	0.97396989	mg/L	171625.18804502	3.22979195	0.93966091	0.98079356	1.00145520	165581.42946306	172827.22316534	176466.91150665
Co 230.786	Co	0.97880227	mg/L	32675.47973510	3.50905443	0.94152168	0.98572445	1.00916068	31433.35992351	32906.11391268	33686.96536912
Cr 267.716	Cr	0.96162614	mg/L	53025.75277841	3.32221602	0.92716212	0.96746503	0.99025128	51125.65978082	53347.66593541	54603.93261899
Cu 324.754	Cu	1.02347145	mg/L	38181.98887584	3.37886963	0.98566618	1.03123990	1.05350826	36813.68848423	38463.15555435	39269.12258893
Fe 259.940	Fe	0.97945043	mg/L	50157.69054214	3.34933571	0.94397932	0.98567408	1.00869788	48348.06942221	50475.20114299	51649.80106121
K 766.491	K-R	107.37532777	mg/L	142293.94247445	0.12787638	107.23671958	107.37796681	107.51129691	142110.28967321	142297.43915106	142474.09859907
Li 670.783	Li-R	0.99884780	mg/L	101266.09813319	0.17844422	0.99710731	0.99876676	1.00066932	101089.60466595	101257.88056301	101450.80917062
Mg 279.800	Mg-R	101.01978962	mg/L	203799.18896333	0.16755094	100.93286412	101.21484980	100.91165492	203623.88821985	204192.56256517	203581.11610498
Mn 257.610	Mn	0.96826985	mg/L	390116.47247280	3.32142545	0.93340360	0.97463288	0.99677308	376075.80487409	392678.86842499	401594.74411930
Mo 204.598	Mo	1.05638219	mg/L	10521.64999856	3.51685335	1.01523945	1.06643294	1.08747419	10113.41016218	10621.37879757	10830.16103592
Na 589.592	Na-R	97.44197017	mg/L	920076.92176053	0.09168894	97.39951184	97.38177310	97.54462556	919679.28580259	919513.15672896	921038.32275002
Ni 231.604	Ni	0.95803201	mg/L	18166.76055026	3.13120341	0.92500980	0.96548629	0.98359994	17541.30780295	18307.94730658	18651.02654124
P 177.434	P	5.21257395	mg/L	4780.42750455	3.04653054	5.03837798	5.25007246	5.34927141	4620.80843275	4814.78809945	4905.68598146
Pb 220.353	Pb	0.94173344	mg/L	9377.71742664	3.20862290	0.90832007	0.94973911	0.96714114	9043.67235751	9457.75292507	9631.72699732
S 181.972	S	5.34077849	mg/L	7431.07613395	2.80760496	5.17824157	5.37036808	5.47372580	7210.06146080	7471.31151510	7611.85542594
Sb 206.834	Sb	1.04685610	mg/L	3798.45035402	3.42421969	1.00799874	1.05393320	1.07863636	3656.08110538	3824.38010128	3914.88985540
Se 196.026	Se	0.97303212	mg/L	3270.76021971	3.07770328	0.93983050	0.98126244	0.99800341	3160.63374290	3298.05938737	3353.58752886
Si 251.611	Si	5.28718369	mg/L	39219.38560739	3.80789899	5.07221160	5.31802595	5.47131351	37626.04655859	39447.98358362	40584.12667997
Sn 189.925	Sn	4.89679191	mg/L	49528.07924654	2.92076446	4.74618049	4.91342100	5.03077424	48004.97828696	49696.24562277	50883.01382989
Sr 421.552	Sr-R	1.01591092	mg/L	396611.38300690	0.06026835	1.01577007	1.01538136	1.01658135	396556.46590257	396404.91695515	396872.76616298
Ti 334.941	Ti	1.02411957	mg/L	296975.85490960	3.04047542	0.99258834	1.02492133	1.05484906	287836.44652449	297208.24512450	305882.87307980
Tl 190.794	Tl	0.95703603	mg/L	3061.06258396	3.14886111	0.92410843	0.96375342	0.98324624	2955.71080869	3082.55485126	3144.92209193
V 292.401	V	1.01862825	mg/L	33594.34734230	3.41559737	0.98039993	1.02704443	1.04844038	32334.78068508	33871.64819625	34576.61314556
Zn 206.200	Zn	0.97019930	mg/L	52998.92708189	2.80792704	0.94108240	0.97444716	0.99506832	51410.62360627	53230.64460128	54355.51303811
Y 371.029	Y	0.99	Ratio	803500.68	0.61	0.98	0.99	0.99	798160.42	804547.71	807793.91
Y 371.029	Y-R	0.98	Ratio	195102.77	0.69	0.98	0.97	0.97	196597.14	194010.66	194700.51

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258015 File : icp data Time : 03-NOV-2022 21:01
Cal : 672443258001 Caldate : 03-NOV-2022
Standards: S17207

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.009710]	0.003333	mg/L	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	403.4	mg/L	101	
Aluminum as Al2O3	A	755.8	762.2	mg/L	101	
Iron	A	160.0	138.8	mg/L	87	
Iron as Fe2O3	A	228.8	198.4	mg/L	87	
Calcium	R	400.0	394.9	mg/L	99	
Calcium as CaCO3	R	998.9	986.3	mg/L	99	
Magnesium	R	400.0	401.9	mg/L	100	
Magnesium as MgCO3	R	1388	1394	mg/L	100	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	788442	-3.13
Yttrium	R	199979	190737	-4.62

-=low bias a=ICSA

Instrument ID: MET09

Label: ICSA,S17207 **Rack:Tube:** S1:14 **Type:** QC

Date Time: 11/3/2022 9:01:31 PM **Weight:** - **Volume:** -

Dilution: - **LIMS ID:** **Customer:**

Customer Ref.: **Sample Date Time:** **Sample Site:**

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	bu	-0.00340146	mg/L	199.45939193	42.08311616	-0.00383436	-0.00456649	-0.00180354	170.66370401	121.96405780	305.75041397	u	u	u
Al 396.152	Al	bo	403.39265487	mg/L	12125240.66923960	4.31385891	384.62086915	406.57070270	418.98639277	11561060.82807570	12220755.85062440	12593905.32901870	o	o	o
As 188.980	As	bu	-0.00046555	mg/L	25.07650020	1032.57448972	-0.00276427	-0.00369181	0.00505941	15.90985681	12.21106680	47.10857699	u	u	
B 249.678	B	bu	-0.02431633	mg/L	169.72875482	1.60447834	-0.02448834	-0.02386973	-0.02459091	164.64765077	182.92067385	161.61793986	u	u	u
Ba 230.424	Ba	b	0.00077052	mg/L	400.03301774	38.63329614	0.00044118	0.00084996	0.00102041	371.24879692	406.97640132	421.87385497			
Be 313.107	Be	bu	-0.00003785	mg/L	155.86390952	7.97748722	-0.00004041	-0.00003452	-0.00003862	151.07119803	162.09804352	154.42248701	u	u	u
Ca 317.933	Ca-R	bo	394.93473383	mg/L	3985422.25886563	0.62060876	394.03847750	393.05800880	397.70771518	3976384.27631113	3966497.08369690	4013385.41658886	o	o	o
Cd 214.439	Cd	b	0.00079115	mg/L	877.75601836	20.55614272	0.00064250	0.00076610	0.00096486	851.57035632	873.34254491	908.35515384			
Co 230.786	Co	bu	0.00029134	mg/L	76.14266870	218.88489665	0.00060770	-0.00044269	0.00070902	86.68316430	51.68603163	90.05881017		u	
Cr 267.716	Cr	b	0.00026487	mg/L	111.56185409	43.47841938	0.00021772	0.00039613	0.00018077	108.96220838	118.79835607	106.92499784			
Cu 324.754	Cu	bu	-0.00530186	mg/L	937.87468672	5.28340103	-0.00560184	-0.00525665	-0.00504710	927.01754493	939.51117858	947.09533667	u	u	u
Fe 259.940	Fe	bo	138.76671399	mg/L	7080524.94495589	5.07749279	131.63633197	138.93889429	145.72491572	6716755.92685063	7089309.02636329	7435509.88165375	o	o	o
K 766.491	K-R	b	0.05295012	mg/L	90.88378828	57.75959655	0.08277128	0.05442218	0.02165689	130.39617247	92.83423798	49.42095439			
Li 670.783	Li-R	b	0.00199067	mg/L	207.55732807	19.02834742	0.00231252	0.00208624	0.00157324	240.19471499	217.24861033	165.22865888			
Mg 279.800	Mg-R	bo	401.92980451	mg/L	810747.58181411	0.45602772	401.80498894	400.16249107	403.82193352	810495.86898953	807183.47958034	814563.39687246	o	o	o
Mn 257.610	Mn	bu	-0.00027525	mg/L	226.47175489	32.39863041	-0.00024103	-0.00037647	-0.00020826	240.25362801	185.71004222	253.45159445	u	u	u
Mo 204.598	Mo	bu	-0.00014902	mg/L	97.83656880	1430.53605388	-0.00228731	-0.00013607	0.00197631	76.61933761	97.96512459	118.92524421	u	u	
Na 589.592	Na-R	bu	-0.02345039	mg/L	696.03442333	10.96720780	-0.02314645	-0.02616070	-0.02104401	698.88088895	670.65143667	718.57094438	u	u	u
Ni 231.604	Ni	bu	-0.00145415	mg/L	51.62753671	51.06163788	-0.00123663	-0.00228113	-0.00084469	55.74742775	35.96426404	63.17091835	u	u	u
P 177.434	P	bu	0.00157063	mg/L	4.98340554	179.27771843	-0.00167294	0.00299724	0.00338759	2.01125896	6.29063588	6.64832178	u		
Pb 220.353	Pb	bu	-0.00970993	mg/L	-877.34702738	45.94486801	-0.00475572	-0.01096461	-0.01340945	-827.81810351	-889.89055680	-914.33242182	u	u	u
S 181.972	S	b	0.02108477	mg/L	218.76624977	25.20114767	0.01669122	0.01957252	0.02699058	212.79197754	216.70991404	226.79685772			
Sb 206.834	Sb	b	0.00318290	mg/L	-4.08357304	48.47779733	0.00308109	0.00477429	0.00169333	-4.45660914	1.74710321	-9.54121319			
Se 196.026	Se	bu	-0.00458986	mg/L	30.74324141	28.55432262	-0.00347630	-0.00425912	-0.00603415	34.43679127	31.84025626	25.95267670	u	u	u
Si 251.611	Si	bu	-0.00164172	mg/L	60.21320740	55.55161203	-0.00059093	-0.00222729	-0.00210695	68.00154933	55.87307685	56.76499603	u	u	u
Sn 189.925	Sn	bu	0.00006568	mg/L	14.66290189	449.74671962	-0.00021638	0.00004059	0.00037285	11.81042459	14.40910196	17.76917912	u		
Sr 421.552	Sr-R	b	0.00074583	mg/L	7067.54088162	29.06734633	0.00087231	0.00049550	0.00086966	7116.85603228	6969.94532274	7115.82128985			
Ti 334.941	Ti	bu	0.00009902	mg/L	223.39048469	227.89769255	-0.00015240	0.00016546	0.00028400	150.51506806	242.64984001	277.00654599	u		
Tl 190.794	Tl	bu	-0.00194312	mg/L	0.64597975	34.16502972	-0.00264084	-0.00131929	-0.00186923	-1.58637337	2.64192104	0.88239160	u	u	u
V 292.401	V	bu	-0.00381841	mg/L	-370.11431357	8.13812610	-0.00349481	-0.00384596	-0.00411446	-359.45205439	-371.02196498	-379.86892133	u	u	u
Zn 206.200	Zn	b	0.00057953	mg/L	258.23611863	39.72206079	0.00036176	0.00055641	0.00082042	246.35697364	256.97492693	271.37645531			
Y 371.029	Y		0.97	Ratio	788441.81	0.18	0.97	0.97	0.97	789765.38	788573.23	786986.84			
Y 371.029	Y-R		0.95	Ratio	190737.09	0.96	0.96	0.96	0.94	191933.68	191649.28	188628.33			

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258016 File : icp data Time : 03-NOV-2022 21:04
Cal : 672443258001 Caldate : 03-NOV-2022
Standards: S17208

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9297	mg/L	-7	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	769132	-5.50
Yttrium	R	199979	189429	-5.28

Instrument ID: MET09

Label: ICSAB,S17208 | Rack:Tube: S1:15 | Type: QC

Date Time: 11/3/2022 9:04:53 PM | Weight: - | Volume: -

Dilution: - | LIMS ID: | Customer:

Customer Ref.: | Sample Date Time: | Sample Site:

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	b	1.10850445	mg/L	74161.81415740	4.54438927	1.05794643	1.10887298	1.15869392	70798.78847893	74186.32864399	77500.32534927			
Al 396.152	Al	bo	405.72957039	mg/L	12195478.38634740	4.47049179	386.20149338	408.93757454	422.04964324	11608568.45956640	12291893.89518480	12685972.80429100	o	o	o
As 188.980	As	bu	-0.00161480	mg/L	20.49403766	45.76469778	-0.00215992	-0.00191081	-0.00077367	18.32024528	19.31364957	23.84821812	u	u	u
B 249.678	B	bu	-0.02422704	mg/L	173.04051169	2.97677943	-0.02393787	-0.02504793	-0.02369531	181.58210025	148.79238390	188.74705092	u	u	u
Ba 230.424	Ba	b	0.48197800	mg/L	42457.84455809	4.57736833	0.45791034	0.48678073	0.50124292	40354.32818681	42877.60431547	44141.60117199			
Be 313.107	Be	b	0.51458786	mg/L	963706.34082499	4.52751301	0.48967461	0.51825268	0.53583629	917060.45043024	970568.10435722	1003490.46768752			
Ca 317.933	Ca-R	bo	396.59107890	mg/L	4002129.25013239	0.05606211	396.42153504	396.84280904	396.50889262	4000419.54455205	4004667.73437726	4001300.47146786	o	o	o
Cd 214.439	Cd	b	0.96171890	mg/L	170154.18382467	4.06158007	0.91848868	0.97219301	0.99447500	162538.88971439	171999.26870492	175924.39305469			
Co 230.786	Co	b	0.46792579	mg/L	15656.72553831	4.29213147	0.44642959	0.47113718	0.48621059	14940.51245545	15763.72314693	16265.94101253			
Cr 267.716	Cr	b	0.48115640	mg/L	26624.59923740	4.43506877	0.45837267	0.48442082	0.50067572	25368.47157610	26804.57514708	27700.75098901			
Cu 324.754	Cu	b	0.53421176	mg/L	20464.51312694	4.38139306	0.50827739	0.54059162	0.55376629	19525.86034272	20695.42151344	21172.25752466			
Fe 259.940	Fe	bo	140.72058821	mg/L	7180208.95269267	3.80273521	135.17029501	141.14385021	145.84761940	6897050.95378156	7201802.41046553	7441773.49383092	o	o	o
K 766.491	K-R	b	0.05273113	mg/L	90.53319019	43.12656237	0.03195482	0.07702675	0.04921183	63.00503531	122.72434553	85.87018971			
Li 670.783	Li-R	b	0.00255698	mg/L	265.72793320	24.19106638	0.00254934	0.00194227	0.00317932	264.95334564	203.39387333	328.83658063			
Mg 279.800	Mg-R	bo	403.77871701	mg/L	814476.77497922	0.18812333	403.11733860	403.61047827	404.60833415	813142.98765761	814137.49161716	816149.84566290	o	o	o
Mn 257.610	Mn	b	0.47668288	mg/L	192298.78855809	4.33503212	0.45455917	0.48000382	0.49548565	183389.55384210	193636.13374630	199870.67808586			
Mo 204.598	Mo	bu	0.00091021	mg/L	108.40813447	125.22751779	-0.00008678	0.00066458	0.00215284	98.51545633	105.97083405	120.73811303	u		
Na 589.592	Na-R	bu	-0.09164547	mg/L	3683.73728430	8.09836927	-0.09217773	-0.09878680	-0.08397188	3678.75251840	3616.85640265	3755.60293185	u	u	u
Ni 231.604	Ni	b	0.93683604	mg/L	17823.54132765	4.43288210	0.88935929	0.95473380	0.96641503	16924.31424133	18162.53148190	18383.77825972			
P 177.434	P	b	0.00368512	mg/L	6.88940039	31.96875773	0.00264461	0.00496425	0.00344650	5.93596254	8.06149347	6.67074516			
Pb 220.353	Pb	b	0.92965777	mg/L	8513.28920780	3.79453891	0.89152408	0.93632386	0.96112536	8132.05348597	8579.93242356	8827.88171387			
S 181.972	S	b	0.02426996	mg/L	223.17214998	7.94529827	0.02299204	0.02332982	0.02648804	221.43444703	221.89375340	226.18824950			
Sb 206.834	Sb	b	0.01141775	mg/L	26.14333158	22.60734389	0.01383765	0.01171476	0.00870084	35.00957271	27.23155341	16.18886862			
Se 196.026	Se	bu	-0.00463042	mg/L	30.57013721	21.27918082	-0.00570241	-0.00376431	-0.00442455	27.01446026	33.44294911	31.25300228	u	u	u
Si 251.611	Si	bu	-0.00204691	mg/L	57.52413253	22.85891849	-0.00198903	-0.00161065	-0.00254107	57.95318728	60.75766097	53.86154936	u	u	u
Sn 189.925	Sn	bu	-0.00001005	mg/L	13.94010659	6497.64942347	-0.00005754	-0.00063833	0.00066570	13.45992876	7.58647243	20.77391859	u	u	
Sr 421.552	Sr-R	b	0.00074811	mg/L	7081.42616939	7.57347653	0.00076088	0.00068616	0.00079729	7086.40564196	7057.27189194	7100.60097429			
Ti 334.941	Ti	bu	-0.00018023	mg/L	143.23759367	130.18517514	0.00003331	-0.00014260	-0.00043140	205.13267909	154.14482599	70.43527594		u	u
Tl 190.794	Tl	bu	-0.00151246	mg/L	2.06231602	72.84858470	-0.00260935	-0.00040580	-0.00152223	-1.44717477	5.60305939	2.03106345	u	u	u
V 292.401	V	b	0.51285114	mg/L	16652.22477559	4.62566736	0.48756829	0.51636274	0.53462239	15819.19215191	16767.92680407	17369.55537078			
Zn 206.200	Zn	b	0.93516879	mg/L	51239.96083908	4.05570304	0.89826432	0.93319915	0.97404290	49226.85105162	51132.51840119	53360.51306442			
Y 371.029	Y		0.95	Ratio	769131.84	0.43	0.94	0.94	0.95	766428.68	768197.00	772769.84			
Y 371.029	Y-R		0.95	Ratio	189428.98	0.47	0.95	0.95	0.94	190067.50	189799.49	188419.93			

ENTHALPY INSTRUMENT BLANK FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258018 File : icp data Time : 03-NOV-2022 21:12
Cal : 672443258001 Caldate : 03-NOV-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	844536	3.76
Yttrium	R	199979	200150	0.09

Instrument ID: MET09

Label: icb | Rack:Tube: 1:2 | Type: Sample

Date Time: 11/3/2022 9:12:30 PM | Weight: 1 | Volume: 1

Dilution: 1 | LIMS ID: | Customer:

Customer Ref.: | Sample Date Time: | Sample Site:

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	0.00100712	mg/L	303.44676420	88.19967090	0.00156478	0.00147380	-0.00001723	340.54154720	334.48949131	235.30925408			u
Al 396.152	Al	u	-0.00057091	mg/L	1182.20094520	160.74199658	-0.00143008	0.00039582	-0.00067845	1156.37867959	1211.25547954	1178.96867647	u		u
As 188.980	As		0.00068357	mg/L	23.65670451	41.05233914	0.00036757	0.00090366	0.00077948	22.39657815	24.53436884	24.03916653			
B 249.678	B	u	-0.00010956	mg/L	281.82650670	5.68508218	-0.00011290	-0.00010237	-0.00011340	281.72775765	282.03877754	281.71298492	u	u	u
Ba 230.424	Ba	u	-0.00035471	mg/L	153.90654149	7.50171565	-0.00032440	-0.00037423	-0.00036550	156.55560559	152.20049085	152.96352802	u	u	u
Be 313.107	Be	u	-0.00002150	mg/L	129.13626876	107.86288978	0.00000302	-0.00004309	-0.00002444	175.04781569	88.71661929	123.64437131		u	u
Ca 317.933	Ca-R	u	-0.00889740	mg/L	2236.18291979	19.69085502	-0.01044380	-0.00699464	-0.00925376	2220.58880256	2255.37061907	2232.58933773	u	u	u
Cd 214.439	Cd	u	-0.00007403	mg/L	42.08882809	23.77158822	-0.00005371	-0.00008399	-0.00008439	45.66821872	40.33481491	40.26345063	u	u	u
Co 230.786	Co	u	-0.00010927	mg/L	67.12469405	582.59243204	0.00060529	-0.00031713	-0.00061597	90.93241456	60.19931567	50.24235191		u	u
Cr 267.716	Cr	u	0.00003931	mg/L	4.25097988	270.06639492	-0.00008223	0.00008627	0.00011387	-2.44945869	6.84022288	8.36217546	u		
Cu 324.754	Cu	u	-0.00167365	mg/L	1053.66487473	16.81458265	-0.00141680	-0.00162969	-0.00197446	1062.96115326	1055.25589759	1042.77757334	u	u	u
Fe 259.940	Fe		0.00129691	mg/L	134.40765854	28.95075505	0.00161706	0.00139000	0.00088365	150.74102572	139.15719752	113.32475239			
K 766.491	K-R		0.05492788	mg/L	80.45113059	20.14200436	0.06571942	0.04361099	0.05545322	94.74968826	65.45650036	81.14720315			
Li 670.783	Li-R		0.00079666	mg/L	56.19733240	44.26379498	0.00120366	0.00058237	0.00060396	97.46862122	34.46673166	36.65664433			
Mg 279.800	Mg-R	u	-0.00024199	mg/L	71.70642186	2597.38703815	0.00585006	-0.00670437	0.00012835	83.99212146	58.67387226	72.45327186		u	
Mn 257.610	Mn	u	-0.00006712	mg/L	114.56772749	26.09536523	-0.00008661	-0.00006206	-0.00005269	106.72015289	116.60452696	120.37850262	u	u	u
Mo 204.598	Mo	u	-0.00103486	mg/L	29.43280104	51.58704957	-0.00043655	-0.00120547	-0.00146255	35.36950231	27.73989219	25.18900861	u	u	u
Na 589.592	Na-R	u	-0.00435701	mg/L	108.92509984	23.87312643	-0.00357241	-0.00396176	-0.00553685	116.27309304	112.62671731	97.87548919	u	u	u
Ni 231.604	Ni	u	0.00006915	mg/L	5.67179815	1134.45950679	0.00033048	0.00068955	-0.00081259	10.62153540	17.42254281	-11.02868376			u
P 177.434	P		0.00238292	mg/L	6.66664557	106.15052429	0.00016696	0.00513875	0.00184304	4.63612228	9.19186685	6.17194757			
Pb 220.353	Pb	u	-0.00036705	mg/L	-40.83443240	159.24203772	0.00020810	-0.00034878	-0.00096048	-35.08441265	-40.65175452	-46.76713004		u	u
S 181.972	S	u	-0.01038922	mg/L	150.37022730	14.62409545	-0.00882655	-0.01047997	-0.01186114	152.49511524	150.24683255	148.36873412	u	u	u
Sb 206.834	Sb		0.00206894	mg/L	-29.93946646	46.08815588	0.00098087	0.00246701	0.00275895	-33.92605046	-28.48099400	-27.41135493			
Se 196.026	Se	u	-0.00220340	mg/L	32.99674122	140.97297170	-0.00574885	-0.00090062	0.00003926	21.23684690	37.31793218	40.43544457	u	u	
Si 251.611	Si		0.01149485	mg/L	115.26710116	65.47951731	0.00335680	0.01292164	0.01820612	54.94916586	125.84221083	165.00992680			
Sn 189.925	Sn	u	0.00016994	mg/L	8.97529142	307.14473649	0.00077264	-0.00012619	-0.00013662	15.07018862	5.98055574	5.87512989		u	u
Sr 421.552	Sr-R		0.00007741	mg/L	84.34548823	22.14699962	0.00009713	0.00006597	0.00006914	92.03084960	79.88461048	81.12100460			
Ti 334.941	Ti	u	0.00013583	mg/L	168.27894984	137.18730729	0.00023409	0.00025246	-0.00007907	196.76155054	202.08550906	105.98978992			u
Tl 190.794	Tl		0.00166162	mg/L	3.56083936	38.04615142	0.00233421	0.00157102	0.00107963	5.71280389	3.27096531	1.69874887			
V 292.401	V	u	-0.00030439	mg/L	19.88428606	62.51537282	-0.00029791	-0.00049784	-0.00011742	20.09777021	13.51050688	26.04458110	u	u	u
Zn 206.200	Zn	u	-0.00008877	mg/L	49.44969204	227.65194902	-0.00022484	0.00014343	-0.00018490	42.02716470	62.11594766	44.20596375	u		u
Y 371.029	Y		1.04	Ratio	844535.67	0.59	1.03	1.04	1.04	840811.41	842636.09	850159.49			
Y 371.029	Y-R		1.00	Ratio	200150.34	1.06	1.01	0.99	1.00	202148.32	197922.36	200380.33			

ENTHALPY CONTINUING CALIBRATION FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258063 File : icp data Time : 04-NOV-2022 00:25
Cal : 672443258001 Caldate : 03-NOV-2022
Standards: S17413

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	7113.5	9159.4	1.000	0.9199	mg/L	-8	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	804347	-1.17
Yttrium	R	199979	193666	-3.16

Instrument ID: MET09

Label:	CCV,S17413	**Rack:Tube:**	S1:12	**Type:**	QC
Date Time:	11/4/2022 12:25:12 AM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMSID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.52095252	mg/L	34921.16464571	4.50846591	0.49524005	0.52633954	0.54127798	33210.81862581	35279.49895847	36273.17635284
Al 396.152	Al	1.08303235	mg/L	33783.99788247	4.92975378	1.02536976	1.09297317	1.13075412	32050.96782886	34082.76583340	35218.25998515
As 188.980	As	0.99865651	mg/L	4003.52736456	4.38504129	0.95159569	1.00616647	1.03820737	3815.86151038	4033.47505526	4161.24552803
B 249.678	B	1.00344658	mg/L	30072.02155270	4.15597400	0.96270726	1.00158183	1.04605065	28868.63467239	30016.93936230	31330.49062341
Ba 230.424	Ba	0.93224726	mg/L	81669.55339373	4.23615843	0.89072996	0.93667156	0.96934027	78040.93536361	82056.23756794	84911.48724965
Be 313.107	Be	1.02249412	mg/L	1914623.51797367	4.54474002	0.97205768	1.03185178	1.06357290	1820189.73151376	1932144.16432235	1991536.65808490
Ca 317.933	Ca-R	102.07406045	mg/L	1031704.59324500	0.13354477	101.92160884	102.11636659	102.18420592	1030167.24850879	1032131.21465334	1032815.31657288
Cd 214.439	Cd	0.95446756	mg/L	168189.73023038	4.11788374	0.91192682	0.96204456	0.98943129	160695.89274849	169524.47026719	174348.82767547
Co 230.786	Co	0.95882909	mg/L	32009.92837594	3.80132209	0.92050088	0.96293726	0.99304913	30732.90384202	32146.80499829	33150.07628752
Cr 267.716	Cr	0.93791407	mg/L	51718.52551583	4.57792510	0.89159984	0.94574700	0.97639536	49165.09902593	52150.37611049	53840.10141106
Cu 324.754	Cu	1.00808795	mg/L	37625.48757961	4.63929884	0.95766338	1.01655846	1.05004202	35800.45173031	37932.06373329	39143.94727523
Fe 259.940	Fe	0.96556927	mg/L	49450.86648999	4.62254498	0.91703507	0.97481949	1.00485324	46974.80894457	49922.78266208	51455.00786331
K 766.491	K-R	109.45656180	mg/L	145051.71941876	0.03365324	109.44487946	109.42698392	109.49782204	145036.24057268	145012.52936568	145106.38831792
Li 670.783	Li-R	1.01408722	mg/L	102811.49783930	0.28080651	1.01118140	1.01687283	1.01420744	102516.83325854	103093.97212951	102823.68812987
Mg 279.800	Mg-R	101.55872131	mg/L	204886.07733714	0.07712708	101.47510563	101.57066630	101.63039199	204717.45142917	204910.16654067	205030.61404158
Mn 257.610	Mn	0.94985927	mg/L	382703.15965112	4.67879731	0.90173398	0.95849280	0.98935103	363323.06613953	386179.89008151	398606.52273232
Mo 204.598	Mo	1.03512887	mg/L	10310.76195373	4.68454147	0.98227209	1.04555719	1.07755731	9786.28934366	10414.23727393	10731.75924361
Na 589.592	Na-R	98.37077842	mg/L	928838.48769111	0.07570426	98.29094272	98.43836585	98.38302670	928090.80048436	929471.46582303	928953.19676595
Ni 231.604	Ni	0.93548124	mg/L	17739.82438146	4.57277426	0.88904718	0.94410996	0.97328657	16860.34638290	17903.25546104	18455.87130043
P 177.434	P	4.86989881	mg/L	4466.42254982	4.15849633	4.64859618	4.91512073	5.04597953	4263.63874500	4507.86024698	4627.76865748
Pb 220.353	Pb	0.91990113	mg/L	9159.43932602	4.45151696	0.87522346	0.92883117	0.95564875	8712.78115121	9248.71604621	9516.82078064
S 181.972	S	5.21505550	mg/L	7260.17053609	4.14854798	4.97761021	5.26653439	5.40102191	6937.29684203	7330.17056563	7513.04420060
Sb 206.834	Sb	1.02669293	mg/L	3724.58348355	4.44602386	0.97697281	1.03640103	1.06670496	3542.41424889	3760.15290712	3871.18329463
Se 196.026	Se	0.95363651	mg/L	3206.45691926	4.19510325	0.91089311	0.95983475	0.99018168	3064.68125705	3227.01586915	3327.67363157
Si 251.611	Si	5.22541718	mg/L	38761.60642474	4.81511828	4.98219468	5.20940681	5.48465006	36958.87973839	38642.94007395	40682.99946188
Sn 189.925	Sn	4.81303375	mg/L	48681.05582076	4.19955865	4.60663109	4.82187699	5.01059316	46593.75002351	48770.48564218	50678.93179659
Sr 421.552	Sr-R	1.01705667	mg/L	397064.63545700	0.24256584	1.01514797	1.01984238	1.01617966	396320.47881836	398150.71801149	396722.70954116
Ti 334.941	Ti	1.00842238	mg/L	292426.01038308	5.04008014	0.95361131	1.01766142	1.05399439	276538.88661606	295103.97027445	305635.17425872
Tl 190.794	Tl	0.93389213	mg/L	2987.02301426	4.38458681	0.88894348	0.94366228	0.96907064	2843.20989212	3018.28259277	3099.57655788
V 292.401	V	1.00421640	mg/L	33119.50767098	4.67049257	0.95381980	1.01224143	1.04658796	31459.01421780	33383.92071001	34515.58808515
Zn 206.200	Zn	0.95877690	mg/L	52376.09499256	4.43914873	0.91179077	0.96979150	0.99474842	49813.03881718	52976.93292334	54338.31323717
Y 371.029	Y	0.99	Ratio	804346.64	0.61	0.98	0.99	0.99	799171.86	804917.36	808950.70
Y 371.029	Y-R	0.97	Ratio	193666.36	0.07	0.97	0.97	0.97	193512.29	193769.75	193717.03

ENTHALPY INSTRUMENT BLANK FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258064 File : icp data Time : 04-NOV-2022 00:28
Cal : 672443258001 Caldate : 03-NOV-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	830888	2.09
Yttrium	R	199979	200711	0.37

Instrument ID: MET09

Label: CCB | **Rack:Tube:** S1:1 | **Type:** QC

Date Time: 11/4/2022 12:28:34 AM | **Weight:** - | **Volume:** -

Dilution: - | **LIMSID:** | **Customer:**

Customer Ref.: | **Sample Date Time:** | **Sample Site:**

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	-0.00037059	mg/L	211.81116839	156.99202380	-0.00082268	0.00028580	-0.00057489	181.73918012	255.47305567	198.22126937	u		u
Al 396.152	Al	u	-0.00482771	mg/L	1054.27273387	12.99448100	-0.00469093	-0.00428005	-0.00551215	1058.38357084	1070.73253704	1033.70209371	u	u	u
As 188.980	As	u	-0.00268928	mg/L	10.20651312	50.11963241	-0.00378109	-0.00310393	-0.00118281	5.85264372	8.55300690	16.21388874	u	u	u
B 249.678	B		0.00118770	mg/L	320.21546553	51.86562733	0.00188434	0.00096381	0.00071495	340.79336920	313.60212523	306.25090216			
Ba 230.424	Ba	u	0.00004081	mg/L	188.47460187	662.84435338	0.00033299	-0.00020085	-0.00000972	214.01153541	167.35363559	184.05863461		u	u
Be 313.107	Be		0.00003428	mg/L	233.58466920	60.09724927	0.00005387	0.00003618	0.00001280	270.25690757	237.14033407	193.35676597			
Ca 317.933	Ca-R		0.02931802	mg/L	2621.55068554	18.95216577	0.03571566	0.02653899	0.02569941	2686.06545614	2593.52652414	2585.06007633			
Cd 214.439	Cd		0.00008338	mg/L	69.81989708	26.60508668	0.00010638	0.00006212	0.00008162	73.87271515	66.07601818	69.51095790			
Co 230.786	Co		0.00044152	mg/L	85.47518782	65.34925314	0.00033196	0.00076878	0.00022381	81.82498824	96.37896520	78.22161002			
Cr 267.716	Cr	u	0.00010415	mg/L	7.82719367	95.70568025	0.00016038	-0.00001094	0.00016301	10.92734691	1.48205584	11.07217825		u	
Cu 324.754	Cu	u	-0.00098758	mg/L	1078.49526273	84.67025760	-0.00078436	-0.00027173	-0.00190665	1085.85034108	1104.40424958	1045.23119753	u	u	u
Fe 259.940	Fe		0.00073061	mg/L	105.51310914	26.84815189	0.00088170	0.00050893	0.00080120	113.22121435	94.20373514	109.11437793			
K 766.491	K-R		0.03338906	mg/L	51.91494656	65.92408720	0.03602953	0.05396116	0.01017650	55.41350426	79.17252727	21.15880815			
Li 670.783	Li-R		0.00190527	mg/L	168.61955076	36.11802625	0.00111338	0.00235808	0.00224434	88.31875680	214.53674413	203.00315134			
Mg 279.800	Mg-R	u	0.00201114	mg/L	76.25197746	132.51342995	0.00101699	-0.00001392	0.00503033	74.24710440	72.16810185	82.34072612		u	
Mn 257.610	Mn		0.00003850	mg/L	157.11556761	47.08626399	0.00004803	0.00001760	0.00004988	160.95257105	148.69670468	161.69742708			
Mo 204.598	Mo	u	-0.00043745	mg/L	35.35926391	103.81156505	-0.00055874	0.00006501	-0.00081860	34.15569578	40.34484117	31.57725478	u		u
Na 589.592	Na-R		0.00986870	mg/L	243.03119495	37.31945748	0.00779402	0.00769110	0.01412099	223.60108518	222.63727361	282.85522608			
Ni 231.604	Ni	u	0.00006454	mg/L	5.58444108	307.52116377	-0.00016328	0.00020000	0.00015691	1.26938601	8.15006280	7.33387443	u		
P 177.434	P		0.00267782	mg/L	6.93675813	84.63582651	0.00418196	0.00378042	0.00007110	8.31502203	7.94708402	4.54816834			
Pb 220.353	Pb	u	-0.00079435	mg/L	-45.09290145	17.89813950	-0.00090159	-0.00063308	-0.00084839	-46.16497044	-43.48062874	-45.63310516	u	u	u
S 181.972	S		0.00527356	mg/L	171.66867581	54.49088966	0.00348381	0.00858819	0.00374867	169.23501472	176.17584995	169.59516277			
Sb 206.834	Sb	u	0.00059883	mg/L	-35.32473994	307.36934705	0.00184925	0.00146197	-0.00151474	-30.74333338	-32.16226534	-43.06862110			u
Se 196.026	Se	u	0.00035355	mg/L	41.47688367	683.71320705	0.00255835	-0.00223120	0.00073350	48.78999332	32.90352546	42.73713222		u	
Si 251.611	Si		0.00379131	mg/L	58.17023978	35.18198042	0.00225202	0.00451493	0.00460697	46.76127506	63.53361568	64.21582859			
Sn 189.925	Sn		0.00109053	mg/L	18.28453418	15.61646825	0.00101130	0.00128601	0.00097427	17.48331407	20.26140470	17.10888377			
Sr 421.552	Sr-R		0.00052564	mg/L	259.25414939	14.06931123	0.00057854	0.00055724	0.00044113	279.87789749	271.57673625	226.30781444			
Ti 334.941	Ti		0.00027538	mg/L	208.72624348	46.16931865	0.00012911	0.00035941	0.00033762	166.33000508	233.08201749	226.76670788			
Tl 190.794	Tl	u	-0.00036867	mg/L	-2.93500403	355.13211286	-0.00050618	-0.00160375	0.00100392	-3.37495822	-6.88664068	1.45658681	u	u	
V 292.401	V	u	-0.00046651	mg/L	14.53896011	30.75523040	-0.00039420	-0.00063175	-0.00037357	16.92126626	9.09446221	17.60115187	u	u	u
Zn 206.200	Zn	u	0.00008164	mg/L	58.74835679	319.50988720	0.00034607	-0.00017549	0.00007435	73.17252920	44.72211456	58.35042661		u	
Y 371.029	Y		1.02	Ratio	830887.52	1.09	1.01	1.02	1.03	822355.89	829938.27	840368.41			
Y 371.029	Y-R		1.00	Ratio	200711.11	1.35	0.99	1.02	1.00	198607.54	203781.12	199744.68			

ENTHALPY CONTINUING CALIBRATION FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258075 File : icp data Time : 04-NOV-2022 01:05
Cal : 672443258001 Caldate : 03-NOV-2022
Standards: S17413

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	7113.5	9238.1	1.000	0.9278	mg/L	-7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	804159	-1.20
Yttrium	R	199979	194648	-2.67

Instrument ID: MET09

Label:	CCV,S17413	**Rack:Tube:**	S1:12	**Type:**	QC
Date Time:	11/4/2022 1:05:35 AM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.52511455	mg/L	35197.90928770	4.17066534	0.50115064	0.53010066	0.54409236	33603.87400935	35529.57619782	36460.27765592
Al 396.152	Al	1.09060756	mg/L	34011.55460924	4.40242316	1.03810679	1.10143022	1.13228568	32433.66104582	34336.82602597	35264.17675594
As 188.980	As	1.00138038	mg/L	4014.38922622	4.08140591	0.95713434	1.00928700	1.03771978	3837.94798082	4045.91872302	4159.30097481
B 249.678	B	1.01114021	mg/L	30298.70301847	3.99904048	0.96622853	1.02253852	1.04465356	28972.07043896	30635.39444488	31288.64417158
Ba 230.424	Ba	0.93697446	mg/L	82082.68925941	3.73115750	0.89721568	0.95080151	0.96290618	78607.76695745	83291.17521903	84349.12560174
Be 313.107	Be	1.02968762	mg/L	1928092.12145559	4.09791117	0.98368771	1.03877780	1.06659735	1841964.98516683	1945111.96168784	1997199.41751212
Ca 317.933	Ca-R	101.66311313	mg/L	1027560.41407142	0.12749592	101.81195316	101.60230833	101.57507788	1029061.33920880	1026947.24947759	1026672.65352785
Cd 214.439	Cd	0.95673104	mg/L	168588.45185806	3.37519957	0.92028039	0.96815496	0.98175776	162167.42415546	170600.85396157	172997.07745716
Co 230.786	Co	0.96399636	mg/L	32182.11364054	3.75731800	0.92267687	0.97904868	0.99026352	30805.42545289	32683.62898446	33057.28648427
Cr 267.716	Cr	0.94504001	mg/L	52111.37557039	4.05987836	0.90392092	0.95131744	0.97988166	49844.37108009	52457.46713935	54032.28849173
Cu 324.754	Cu	1.01539423	mg/L	37889.85678409	4.04138495	0.97092994	1.02344373	1.05180902	36280.54372193	38181.19541966	39207.83121069
Fe 259.940	Fe	0.97108085	mg/L	49731.72385910	3.98866405	0.92945979	0.97771315	1.00606962	47608.35189955	50070.08195185	51516.73772590
K 766.491	K-R	109.31334152	mg/L	144861.90931124	0.13158769	109.39288581	109.14729464	109.39984411	144967.30374387	144641.90084454	144976.52334532
Li 670.783	Li-R	1.01186552	mg/L	102586.18519348	0.14064221	1.01147577	1.01067789	1.01344290	102546.66253740	102465.75423725	102746.13880580
Mg 279.800	Mg-R	101.33692344	mg/L	204438.77142399	0.19017809	101.55911652	101.21515368	101.23650013	204886.86332393	204193.20101262	204236.24993542
Mn 257.610	Mn	0.95596980	mg/L	385163.69815618	4.06906008	0.91384639	0.96352802	0.99053501	368200.56490024	388207.39708151	399083.13248680
Mo 204.598	Mo	1.04114208	mg/L	10370.42932478	4.48897558	0.99024782	1.05104439	1.08213404	9865.42979978	10468.68519794	10777.17297663
Na 589.592	Na-R	98.84773891	mg/L	933277.67477674	0.15365570	98.98797760	98.68641134	98.86882781	934591.05544583	931766.78978674	933475.17909765
Ni 231.604	Ni	0.94173448	mg/L	17858.22038761	4.07137684	0.90043284	0.94857566	0.97619494	17075.95224732	17987.79475561	18510.91415991
P 177.434	P	4.93954620	mg/L	4530.24332084	3.89871625	4.72891747	4.98310880	5.10661234	4337.24021125	4570.16055589	4683.32919539
Pb 220.353	Pb	0.92777124	mg/L	9238.12268974	3.98383454	0.88794988	0.93438527	0.96097856	8840.01475516	9304.24543875	9570.10787532
S 181.972	S	5.24159481	mg/L	7296.24535183	3.63576792	5.03140067	5.29028628	5.40309747	7010.42727805	7362.45510547	7515.85367197
Sb 206.834	Sb	1.03395378	mg/L	3751.18340903	3.76808419	0.99207961	1.04064951	1.06913223	3597.76089129	3775.71584491	3880.07349090
Se 196.026	Se	0.96003242	mg/L	3227.66533670	3.61538131	0.92267367	0.96614415	0.99127945	3103.75003995	3247.93732200	3331.30864815
Si 251.611	Si	5.26076524	mg/L	39023.59067131	5.06126641	4.97275628	5.31158585	5.49795359	36888.91388557	39400.26495506	40781.59317330
Sn 189.925	Sn	4.81637400	mg/L	48714.83442105	3.47677022	4.63814520	4.84055152	4.97042528	46912.44476360	48959.33649245	50272.72200710
Sr 421.552	Sr-R	1.01720321	mg/L	397119.77895776	0.22412995	1.01810239	1.01461087	1.01889636	397470.35035429	396109.08977185	397779.89674714
Ti 334.941	Ti	1.01353001	mg/L	293906.46439873	4.07722583	0.96838003	1.02273433	1.04947567	280819.62959337	296574.35972076	304325.40388207
Tl 190.794	Tl	0.94258654	mg/L	3014.83824472	3.85255549	0.90312654	0.95003386	0.97459921	2888.58607313	3038.66594400	3117.26271703
V 292.401	V	1.01072781	mg/L	33334.04850997	4.05804873	0.96654726	1.01804114	1.04759501	31878.36487390	33575.01214248	34548.76851351
Zn 206.200	Zn	0.95938811	mg/L	52409.36988308	3.18814113	0.92527682	0.96851546	0.98437205	50548.62587332	52907.25968076	53772.22409517
Y 371.029	Y	0.99	Ratio	804159.32	0.69	0.98	0.99	0.99	798716.26	803937.68	809824.01
Y 371.029	Y-R	0.97	Ratio	194648.20	0.39	0.97	0.97	0.98	193790.44	194943.31	195210.85

ENTHALPY INSTRUMENT BLANK FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258076 File : icp data Time : 04-NOV-2022 01:08
Cal : 672443258001 Caldate : 03-NOV-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	831795	2.20
Yttrium	R	199979	201954	0.99

Instrument ID: MET09

Label: CCB | **Rack:Tube:** S1:1 | **Type:** QC

Date Time: 11/4/2022 1:08:57 AM | **Weight:** - | **Volume:** -

Dilution: - | **LIMS ID:** | **Customer:**

Customer Ref.: | **Sample Date Time:** | **Sample Site:**

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	0.00074600	mg/L	286.07749905	194.02321844	0.00168413	-0.00092095	0.00147481	348.48038104	175.19511656	334.55699954		u	
Al 396.152	Al	u	-0.00523040	mg/L	1042.16375002	4.37163004	-0.00512366	-0.00549290	-0.00507463	1045.37178732	1034.27425400	1046.84520873	u	u	u
As 188.980	As	u	0.00007978	mg/L	21.24888670	686.88843402	0.00024718	-0.00053242	0.00052459	21.91643274	18.80757116	23.02265620		u	
B 249.678	B		0.00114039	mg/L	318.76014184	92.39549984	0.00134208	0.00207864	0.00000046	324.71773357	346.47474614	285.08794581			
Ba 230.424	Ba	u	-0.00004525	mg/L	180.95255859	537.87240751	0.00023292	-0.00014972	-0.00021894	205.26426052	171.82123942	165.77217581		u	u
Be 313.107	Be		0.00006248	mg/L	286.38959608	47.33558264	0.00009555	0.00005334	0.00003856	348.30670145	269.27044537	241.59164142			
Ca 317.933	Ca-R	u	0.00017848	mg/L	2327.70376140	1849.69853703	0.00398623	-0.00188205	-0.00156874	2366.10171063	2306.92507952	2310.08449407		u	u
Cd 214.439	Cd	u	0.00003924	mg/L	62.04275732	196.65765566	0.00011927	-0.00003469	0.00003313	76.14116600	49.01976998	60.96733600		u	
Co 230.786	Co	u	-0.00022401	mg/L	63.30182993	103.62383265	-0.00042066	-0.00028342	0.00003205	56.74985599	61.32231944	71.83331436	u	u	
Cr 267.716	Cr		0.00017144	mg/L	11.53568468	65.99441156	0.00014528	0.00029537	0.00007367	10.09318367	18.36831523	6.14555513			
Cu 324.754	Cu	u	-0.00068620	mg/L	1089.40183237	122.20739663	-0.00066894	0.00014363	-0.00153327	1090.02622778	1119.43590970	1058.74335964	u		u
Fe 259.940	Fe		0.00067393	mg/L	102.61676297	46.19910601	0.00100549	0.00038778	0.00062852	119.53198528	88.01820628	100.30009734			
K 766.491	K-R		0.03913105	mg/L	59.52069810	16.92308559	0.04657468	0.03389346	0.03692500	69.38334468	52.58101718	56.59773244			
Li 670.783	Li-R		0.00234020	mg/L	212.72115907	33.35940808	0.00231949	0.00157009	0.00313104	210.62014782	134.62807368	292.91525570			
Mg 279.800	Mg-R	u	-0.00429938	mg/L	63.52453167	28.46903923	-0.00571009	-0.00351929	-0.00366877	60.67958786	65.09772552	64.79628163	u	u	u
Mn 257.610	Mn	u	0.00007673	mg/L	172.49855407	143.17846143	0.00016069	0.00011712	-0.00004761	206.30731050	188.76214646	122.42620525			u
Mo 204.598	Mo	u	-0.00043957	mg/L	35.33883658	135.30558169	-0.00010298	-0.00008943	-0.00112629	38.67862841	38.81305806	28.52482328	u	u	u
Na 589.592	Na-R		0.00772314	mg/L	224.17461146	19.34728017	0.00911725	0.00614573	0.00790643	237.23092213	209.40166010	225.89125214			
Ni 231.604	Ni	u	-0.00008511	mg/L	2.74936775	74.19224925	-0.00001962	-0.00009010	-0.00014562	3.98985799	2.65488833	1.60335691	u	u	u
P 177.434	P	u	0.00043640	mg/L	4.88298297	404.40105508	0.00134913	-0.00159784	0.00155789	5.71933889	3.01897713	5.91063289		u	
Pb 220.353	Pb	u	-0.00053622	mg/L	-42.51645270	62.66735310	-0.00021899	-0.00050133	-0.00088834	-39.34499799	-42.16764888	-46.03671122	u	u	u
S 181.972	S		0.00580828	mg/L	172.39518422	83.58767339	0.01075110	0.00104614	0.00562759	179.11634452	165.91971922	172.14948892			
Sb 206.834	Sb		0.00147231	mg/L	-32.12508106	86.62608364	0.00055124	0.00292803	0.00093767	-35.49979882	-26.79149566	-34.08394870			
Se 196.026	Se	u	-0.00100017	mg/L	36.98712285	476.94103135	-0.00370325	-0.00380498	0.00450771	28.02127625	27.68384808	55.25624423	u	u	
Si 251.611	Si		0.00444707	mg/L	63.02991400	27.11271974	0.00534123	0.00492418	0.00307580	69.65728399	66.56617345	52.86628456			
Sn 189.925	Sn		0.00097310	mg/L	17.09725788	34.67425652	0.00118203	0.00058384	0.00115342	19.21017204	13.16073204	18.92086957			
Sr 421.552	Sr-R		0.00008072	mg/L	85.62261448	57.57236630	0.00004223	0.00006759	0.00013235	70.61482946	80.50264000	105.75037397			
Ti 334.941	Ti	u	-0.00001063	mg/L	125.82869780	764.38184841	-0.00005981	0.00008313	-0.00005521	111.57419234	153.00487377	112.90702730	u		u
Tl 190.794	Tl		0.00016660	mg/L	-1.22252873	25.82003793	0.00017857	0.00011886	0.00020235	-1.18420787	-1.37525409	-1.10812423			
V 292.401	V	u	-0.00026996	mg/L	21.01671355	117.30471220	-0.00013946	-0.00003939	-0.00063103	25.31656784	28.61371158	9.11986122	u	u	u
Zn 206.200	Zn	u	-0.00000355	mg/L	54.09806162	3393.34220574	0.00011437	-0.00012614	0.00000114	60.53013789	47.41047263	54.35357436		u	
Y 371.029	Y		1.02	Ratio	831795.32	0.95	1.01	1.02	1.03	823116.55	833708.40	838561.01			
Y 371.029	Y-R		1.01	Ratio	201953.56	0.31	1.01	1.01	1.01	202342.02	201238.53	202280.14			

ENTHALPY CONTINUING CALIBRATION FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258087 File : icp data Time : 04-NOV-2022 01:45
Cal : 672443258001 Caldate : 03-NOV-2022
Standards: S17413

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	7113.5	9077.8	1.000	0.9117	mg/L	-9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	801061	-1.58
Yttrium	R	199979	194199	-2.89

Instrument ID: MET09

Label:	CCV,S17413	**Rack:Tube:**	S1:12	**Type:**	QC
Date Time:	11/4/2022 1:45:57 AM	**Flags:**		**Weight:**	-
Volume:	-	**Dilution:**	-	**LIMS ID:**	
Customer:		**Customer Ref.:**		**Sample Date Time:**	
Sample Site:		**Description:**		**Flags Replicate 1:**	
Flags Replicate 2:		**Flags Replicate 3:**			

Element	Element Label	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3
Ag 328.068	Ag	0.51691253	mg/L	34652.30430094	5.39795359	0.48638145	0.52326457	0.54109156	32621.43332453	35074.83039136	36260.64918694
Al 396.152	Al	1.07623289	mg/L	33579.50503687	5.37804582	1.01430469	1.08542998	1.12896400	31718.27345543	33855.92053716	35164.32111803
As 188.980	As	0.98690159	mg/L	3956.65104644	5.15615815	0.93100022	0.99917797	1.03052658	3733.73147231	4005.60594783	4130.61571919
B 249.678	B	0.98203689	mg/L	29439.01822420	5.08413251	0.92958949	0.98752984	1.02899133	27889.79015949	29601.27283052	30825.99168260
Ba 230.424	Ba	0.91568309	mg/L	80221.81887360	4.57065334	0.87140120	0.92106145	0.95458662	76351.57613732	80691.88805731	83621.99242618
Be 313.107	Be	1.01346437	mg/L	1897716.79647470	5.21436102	0.95518611	1.02693823	1.05826876	1788600.51244915	1922944.34696422	1981605.53001073
Ca 317.933	Ca-R	101.36829893	mg/L	1024587.39713661	0.18270374	101.38681413	101.17453308	101.54354957	1024774.10725455	1022633.43341796	1026354.65073732
Cd 214.439	Cd	0.94149113	mg/L	165903.85248407	4.60907469	0.89510049	0.94828607	0.98108684	157731.82670402	167100.82649293	172878.90425525
Co 230.786	Co	0.94258126	mg/L	31468.60998035	4.25148229	0.89994665	0.94832241	0.97947473	30048.10418088	31659.89420197	32697.83155819
Cr 267.716	Cr	0.92317594	mg/L	50905.94650734	4.95257490	0.87448069	0.92986038	0.96518674	48221.24829227	51274.47768019	53222.11354956
Cu 324.754	Cu	1.00220781	mg/L	37412.56547550	5.20633296	0.94600189	1.01151601	1.04910553	35378.28308253	37749.46075718	39109.95258678
Fe 259.940	Fe	0.95003385	mg/L	48657.81569520	4.86464587	0.90062525	0.95727416	0.99220215	46137.14877731	49027.19251248	50809.10579581
K 766.491	K-R	109.44876354	mg/L	145041.32071158	0.29767120	109.52410247	109.09189663	109.73029152	145141.14313860	144568.47989508	145414.33910106
Li 670.783	Li-R	1.01185482	mg/L	102585.11019480	0.35848335	1.01218974	1.00807164	1.01530307	102619.07285695	102201.47811546	102934.77961197
Mg 279.800	Mg-R	101.05222513	mg/L	203864.62724972	0.29480525	100.92864264	100.83599791	101.39203483	203615.40116470	203428.56655935	204549.91402512
Mn 257.610	Mn	0.93274694	mg/L	375811.80147807	5.07265796	0.88191994	0.94080600	0.97551489	355343.72747682	379057.18815364	393034.48880375
Mo 204.598	Mo	1.02424916	mg/L	10202.80836608	5.26469073	0.96572746	1.03509379	1.07192623	9622.12540747	10310.41445299	10675.88523778
Na 589.592	Na-R	98.27874655	mg/L	927947.93350246	0.12885132	98.31527535	98.13786375	98.38310053	928290.03755904	926628.52055375	928925.24239461
Ni 231.604	Ni	0.92390690	mg/L	17520.53418686	5.04412047	0.87372437	0.93217194	0.96582441	16570.05855589	17677.07692464	18314.46708007
P 177.434	P	4.97586066	mg/L	4563.51915931	4.77193559	4.71877325	5.02188397	5.18692475	4327.94508979	4605.69119501	4756.92119313
Pb 220.353	Pb	0.91173455	mg/L	9077.79017322	4.85214157	0.86404078	0.91973728	0.95142558	8600.97902446	9157.79628769	9474.59520751
S 181.972	S	5.18265386	mg/L	7216.09412368	4.80371527	4.90991496	5.24033934	5.39770729	6845.22883900	7294.53375919	7508.51977286
Sb 206.834	Sb	1.03602865	mg/L	3758.78682723	4.35726161	0.98704693	1.04507812	1.07596090	3579.32300327	3791.94312151	3905.09435690
Se 196.026	Se	0.94376589	mg/L	3173.70509458	4.62196729	0.89509589	0.95686809	0.97933369	3012.27149896	3217.16380211	3291.67998268
Si 251.611	Si	5.11452087	mg/L	37939.65455140	5.56618031	4.82081854	5.13350931	5.38923476	35762.77940029	38080.39387024	39975.79038365
Sn 189.925	Sn	4.76101786	mg/L	48155.02790444	4.65918807	4.51978341	4.80706510	4.95620509	45715.47557332	48620.69372900	50128.91441101
Sr 421.552	Sr-R	1.01468644	mg/L	396138.62352788	0.39715540	1.01301729	1.01175930	1.01928271	395487.86498142	394997.40514215	397930.60046009
Ti 334.941	Ti	1.00042264	mg/L	290107.25548576	4.89526817	0.94874289	1.00638054	1.04614450	275127.74867808	291834.16673469	303359.85104451
Tl 190.794	Tl	0.93078695	mg/L	2977.08484653	5.26731435	0.87649011	0.94405793	0.97181280	2803.36222922	3019.54534147	3108.34696889
V 292.401	V	0.99556507	mg/L	32834.45041156	5.07063973	0.94130868	1.00423880	1.04114772	31046.78260416	33120.23713072	34336.33149981
Zn 206.200	Zn	0.95741166	mg/L	52301.53772004	4.23367053	0.91416317	0.96353903	0.99453278	49942.36661452	52635.78083898	54326.46570662
Y 371.029	Y	0.98	Ratio	801060.53	0.58	0.98	0.99	0.99	795797.85	802856.66	804527.09
Y 371.029	Y-R	0.97	Ratio	194199.31	0.03	0.97	0.97	0.97	194254.17	194192.56	194151.21

ENTHALPY INSTRUMENT BLANK FOR 471955 METALS Wipe
EPA 6010B

Inst : MET09 IDF : 1.0
Seqnum : 672443258088 File : icp data Time : 04-NOV-2022 01:49
Cal : 672443258001 Caldate : 03-NOV-2022

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	813896	832727	2.31
Yttrium	R	199979	201184	0.60

Instrument ID: MET09

Label: CCB | Rack:Tube: S1:1 | Type: QC

Date Time: 11/4/2022 1:49:19 AM | Weight: - | Volume: -

Dilution: - | LIMS ID: | Customer:

Customer Ref.: | Sample Date Time: | Sample Site:

Description:

Element	Element Label	Flags	Concentration	Unit	Intensity	Concentration %RSD	Concentration Replicate 1	Concentration Replicate 2	Concentration Replicate 3	Intensity Replicate 1	Intensity Replicate 2	Intensity Replicate 3	Flags Replicate 1	Flags Replicate 2	Flags Replicate 3
Ag 328.068	Ag	u	0.00070793	mg/L	283.54454267	122.48559690	0.00166395	-0.00002777	0.00048760	347.13717734	234.60754074	268.88890992		u	
Al 396.152	Al	u	-0.00455532	mg/L	1062.45381829	21.94658000	-0.00419710	-0.00378405	-0.00568482	1073.22013302	1085.63416296	1028.50715888	u	u	u
As 188.980	As	u	-0.00090820	mg/L	17.30901414	132.32822844	-0.00181438	0.00045509	-0.00136532	13.69541030	22.74546454	15.48616759	u		u
B 249.678	B	u	0.00010339	mg/L	288.12823828	567.42154031	0.00053633	0.00033813	-0.00056429	300.91668167	295.06224390	268.40578925			u
Ba 230.424	Ba	u	-0.00028834	mg/L	159.70549759	40.93687229	-0.00038654	-0.00015739	-0.00032109	151.12254727	171.15092946	156.84301603	u	u	u
Be 313.107	Be		0.00003949	mg/L	243.32889846	39.69088219	0.00005460	0.00002331	0.00004054	271.63285791	213.04483481	245.30900266			
Ca 317.933	Ca-R	u	0.00079707	mg/L	2333.94148440	335.35789450	-0.00062681	-0.00086260	0.00388061	2319.58291229	2317.20513701	2365.03640390	u	u	
Cd 214.439	Cd	u	-0.00000288	mg/L	54.62233043	1316.14958430	0.00001143	0.00002578	-0.00004584	57.14291726	59.67004270	47.05403135			u
Co 230.786	Co	u	0.00014557	mg/L	75.61568142	150.53564927	0.00026662	0.00027749	-0.00010739	79.64880784	80.01083749	67.18739891			u
Cr 267.716	Cr		0.00013424	mg/L	9.48446794	100.52043094	0.00028530	0.00002563	0.00009180	17.81278399	3.49629804	7.14432180			
Cu 324.754	Cu	u	-0.00130448	mg/L	1067.02356060	27.77347084	-0.00110875	-0.00108214	-0.00172254	1074.10768568	1075.07057733	1051.89241880	u	u	u
Fe 259.940	Fe		0.00132766	mg/L	135.96370626	34.21243272	0.00183589	0.00118581	0.00096129	161.89169663	128.72676872	117.27265344			
K 766.491	K-R		0.04679502	mg/L	69.67516321	29.74143344	0.06187816	0.03445019	0.04405672	89.65998797	53.31853209	66.04696958			
Li 670.783	Li-R		0.00211061	mg/L	189.43953844	41.32561134	0.00212048	0.00123349	0.00297785	190.44064888	100.49582990	277.38213655			
Mg 279.800	Mg-R	u	0.00010714	mg/L	72.41096799	2420.77349965	0.00159502	-0.00288764	0.00161403	75.41154100	66.37147103	75.44989192		u	
Mn 257.610	Mn		0.00004142	mg/L	158.27957480	77.62684469	0.00007450	0.00001028	0.00003949	171.60007075	145.73683876	157.50181490			
Mo 204.598	Mo	u	-0.00049790	mg/L	34.75966869	201.44107098	0.00038930	-0.00029683	-0.00158617	43.56294680	36.75479727	23.96126201		u	u
Na 589.592	Na-R	u	0.00508281	mg/L	202.14212841	185.33641121	0.01488045	-0.00390829	0.00427627	293.90020571	117.93755409	194.58862544		u	
Ni 231.604	Ni		0.00057751	mg/L	15.29934717	57.24714284	0.00079914	0.00019751	0.00073587	19.49714774	8.10202214	18.29887163			
P 177.434	P	u	-0.00048557	mg/L	4.03814587	169.89831164	-0.00061755	0.00039744	-0.00123661	3.91720955	4.84726850	3.34995955	u		u
Pb 220.353	Pb	u	-0.00143271	mg/L	-51.47428239	36.85973202	-0.00138549	-0.00198283	-0.00092981	-51.00218873	-56.97400977	-46.44664867	u	u	u
S 181.972	S	u	0.00090903	mg/L	165.73318683	526.56715127	0.00566127	0.00097717	-0.00391134	172.19518910	165.82584389	159.17852751			u
Sb 206.834	Sb		0.00764706	mg/L	-9.50147342	37.16817992	0.01085649	0.00663661	0.00544807	2.25755328	-13.20363873	-17.55833483			
Se 196.026	Se	u	-0.00173543	mg/L	34.54817689	189.69284393	0.00149993	-0.00508128	-0.00162495	45.27954391	23.45034359	34.91464317		u	u
Si 251.611	Si	u	0.00237928	mg/L	47.70377970	116.08296229	0.00518813	-0.00033324	0.00228296	68.52251330	27.59900618	46.98981962		u	
Sn 189.925	Sn	u	0.00076590	mg/L	15.00187835	115.55767717	-0.00006969	0.00169327	0.00067412	6.55176493	24.38019266	14.07367745	u		
Sr 421.552	Sr-R		0.00019986	mg/L	132.04923693	13.66713855	0.00016848	0.00021831	0.00021281	119.81439460	139.23867558	137.09464061			
Ti 334.941	Ti		0.00052648	mg/L	281.51036533	35.17811950	0.00068154	0.00057650	0.00032140	326.45411059	296.00921049	222.06777491			
Tl 190.794	Tl		0.00148515	mg/L	2.99615070	55.68570446	0.00132914	0.00237906	0.00074725	2.49699209	5.85621079	0.63524923			
V 292.401	V	u	-0.00005117	mg/L	28.22574518	525.56495517	0.00020490	-0.00002707	-0.00033135	36.66301892	29.01992197	18.99429465		u	u
Zn 206.200	Zn		0.00277091	mg/L	205.44180641	48.82021304	0.00422414	0.00254034	0.00154825	284.71430889	192.86448037	138.74662997			
Y 371.029	Y		1.02	Ratio	832727.29	0.83	1.01	1.02	1.03	825159.01	834206.75	838816.13			
Y 371.029	Y-R		1.01	Ratio	201184.38	0.94	1.02	1.01	1.00	203022.96	201269.51	199260.67			

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

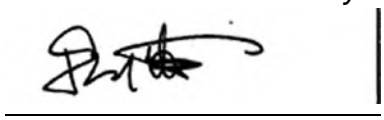
Lab Job Number: 471964
Report Level: II
Report Date: 01/12/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	471964
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	11/01/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1W-DG-5 TO 5.5-DN-C1.5-DG-221101-P-LA	471964-001	11/01/22 08:45	Wipe
ARCH-C1W-DG-5 TO 5.5-DN-C1.5-DG-221101-L-LA	471964-002	11/01/22 08:45	Wipe
ARCH-C2W-PS-5.5-221101-P-G	471964-003	11/01/22 09:00	Wipe
ARCH-C2W-PS-5.5-221101-L-G	471964-004	11/01/22 09:00	Wipe
ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-P-LA	471964-005	11/01/22 09:15	Wipe
ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-P-DUP-LA	471964-006	11/01/22 09:15	Wipe
ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-L-LA	471964-007	11/01/22 09:15	Wipe
ARCH-C2W-DG-6 TO 6.5-221101-P-FB	471964-008	11/01/22 09:30	Wipe
ARCH-C2W-DG-6 TO 6.5-221101-L-FB	471964-009	11/01/22 09:30	Wipe
ARCH-C2W-DG-6 TO 6.5-221101-L-DUP-FB	471964-010	11/01/22 09:30	Wipe
ARCH-C2W-PS-6.5-221101-P-G	471964-011	11/01/22 09:45	Wipe
ARCH-C2W-PS-6.5-221101-L-G	471964-012	11/01/22 09:45	Wipe
221101-P-MEDBLANK1	471964-013	11/01/22 10:10	Wipe
221101-L-MEDBLANK1	471964-014	11/01/22 10:10	Wipe
ARCH-C2W-EXT-7 TO 8-221101-L-WF	471964-015	11/01/22 09:55	Wipe
ARCH-C2W-EXT-7 TO 8-221101-P-WF	471964-016	11/01/22 09:55	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 471964 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 11/01/22

This data package contains sample and QC results for sixteen wipe samples, requested for the above referenced project on 11/02/22. The samples were received cold and intact. Reissued 1/12/23 to revise the preparation method reference.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

471964

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	DW&MK

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	ARCH-C1W-DG-5 TO 5.5-DN-C1.5-DG-221101-P- LA	11/1/2022	0845	WP	1		X			Confirmation Wipe Samples - Level II Report/Stage 2A Validation Report PCB concentrations on a µg/100cm² basis Report lead concentrations on a µg/ft² basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 2 Enclosure D (low occupancy)
2	ARCH-C1W-DG-5 TO 5.5-DN-C1.5-DG-221101-L- LA	11/1/2022	0845	WP	1			X		
3	ARCH-C2W-PS-5.5-221101-P- G	11/1/2022	0900	WP	1		X			
4	ARCH-C2W-PS-5.5-221101-L- G	11/1/2022	0900	WP	1			X		
5	ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-P- LA	11/1/2022	0915	WP	1		X			
6	ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-P-DUP- LA	11/1/2022	0915	WP	1		X			
7	ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-L- LA	11/1/2022	0915	WP	1			X		3x Rivet Type2=0.0300ft2
8	ARCH-C2W-DG-6 TO 6.5-221101-P- FB	11/1/2022	0930	WP	1		X			
9	ARCH-C2W-DG-6 TO 6.5-221101-L- FB	11/1/2022	0930	WP	1			X		
10	ARCH-C2W-DG-6 TO 6.5-221101-L-DUP- FB	11/1/2022	0930	WP	1			X		
11	ARCH-C2W-PS-6.5-221101-P- G	11/1/2022	0945	WP	1		X			
12	ARCH-C2W-PS-6.5-221101-L- G	11/1/2022	0945	WP	1			X		
13	~~ARCH-C2W-PS-7-221101-P-~~	11/1/2022		WP	1		~~X~~			MK
14	~~ARCH-C2W-PS-7-221101-L-~~	11/1/2022		WP	1			~~X~~		MK
15	221101-P-MEDBLANK1	11/1/2022	1010	WP	1		X			Collected from Low Occupancy zone of Hangar 1

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon Consultants	11/1/22 13:11
[1] Received By:		Jake Peterson	EA	11.1.22 13:17
[2] Relinquished By:		Jak Peterson	EA	11.1.22 15:07
[2] Received By:		Jak Peterson	EA	11.1.22 15:07
[3] Relinquished By:		Jak Peterson	EA	11.1.22 16:04
[3] Received By:		Zeid Padilla	EA/GL	11/2/22 1041 AM

471964

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	DW&MK

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	221101-L-MEDBLANK1	11/1/2022	1010	WP	1			X		Collected from Low Occupancy zone of Hangar 1
17	ARCH-C2W-EXT-7TO8-221101-L-WF	11/1/22	0955	WP	1			X		
18										
19	ARCH-C2W-EXT-7TO8-221101-P-WF	11/1/22	0955	WP	1		X			
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure D (low occupancy)

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon Consultants	11/1/22 13:11
[1] Received By:		Jak Peterson	EA	11.1.22 13:11
[2] Relinquished By:		Jak Peterson	EA	11.1.22 15:07
[2] Received By:		Jak Peterson	EA	11.1.22 15:07
[3] Relinquished By:		Jak Peterson	EA	11.1.22 16:04
[3] Received By:		ZACH PANCOAST	EA/GL	11/2/22 1041 am

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 479964 Client: RINCON

Date Received: 11.1.22 Project: 20-10491

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 11.1.22 By (print) Jak Peterson (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☑ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☑ B ☐ C

Cooler Temp (°C): #1: 0.3, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 11.1.22 **By (print)** JP for MY **(sign)** _____

Date Labeled 11.1.22 **By (print)** Jak Peterson **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hangar 1 - NCTRA WP

Date Received: 11/02/22

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.7 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: GLS 558101265

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☑ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 5.7 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/02/22

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471964 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-DG-5 TO 5.5-DN-C1.5-DG-221101-P-LA **Batch#:** 300277 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 8082

Lab ID: 471964-001 **Received:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/04/22

Diln Fac: 1.000 **Analyzed:** 11/06/22

471964-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471964-001 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	52	50-150

Field ID: ARCH-C2W-PS-5.5-221101-P-G **Batch#:** 300277 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 8082

Lab ID: 471964-003 **Received:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/04/22

Diln Fac: 1.000 **Analyzed:** 11/06/22

471964-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471964-003 Surrogate	%REC	Limits
TCMX (PCB)	66	52-186
Decachlorobiphenyl (PCB)	56	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471964 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-P-LA **Batch#:** 300277 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 8082

Lab ID: 471964-005 **Received:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/04/22

Diln Fac: 1.000 **Analyzed:** 11/06/22

471964-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471964-005 Surrogate	%REC	Limits
TCMX (PCB)	76	52-186
Decachlorobiphenyl (PCB)	65	50-150

Field ID: ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-P-DUP-LA **Batch#:** 300277 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 8082

Lab ID: 471964-006 **Received:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/04/22

Diln Fac: 1.000 **Analyzed:** 11/06/22

471964-006 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471964-006 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	60	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471964 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-DG-6 TO 6.5-221101-P-FB **Batch#:** 300277 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 8082

Lab ID: 471964-008 **Received:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/04/22

Diln Fac: 1.000 **Analyzed:** 11/06/22

471964-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471964-008 Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	85	50-150

Field ID: ARCH-C2W-PS-6.5-221101-P-G **Batch#:** 300277 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 8082

Lab ID: 471964-011 **Received:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/04/22

Diln Fac: 1.000 **Analyzed:** 11/06/22

471964-011 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471964-011 Surrogate	%REC	Limits
TCMX (PCB)	62	52-186
Decachlorobiphenyl (PCB)	51	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471964 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 221101-P-MEDBLANK1 **Batch#:** 300277 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 8082

Lab ID: 471964-013 **Received:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/04/22

Dil n Fac: 1.000 **Analyzed:** 11/06/22

471964-013 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471964-013 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	60	50-150

Field ID: ARCH-C2W-EXT-7 TO 8-221101-P-WF **Batch#:** 300277 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 8082

Lab ID: 471964-016 **Received:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/04/22

Dil n Fac: 1.000 **Analyzed:** 11/06/22

471964-016 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471964-016 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	62	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471964 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 300277 **Analysis:** EPA 8082

Lab ID: QC1023077 **Prepared:** 11/04/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/06/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1023077 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.25	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.26	ug/100 cm2
Aroclor-1248	ND	0.25	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.25	ug/100 cm2

QC1023077 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	80	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 471964 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 300277 **Analysis:** EPA 8082

Lab ID: QC1023078 **Prepared:** 11/04/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/06/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1023078 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.834	97	60-140	ug/100 cm2
Aroclor-1260	5.000	5.063	101	60-140	ug/100 cm2

QC1023078 Surrogate	%REC	Limits
TCMX (PCB)	98	52-186
Decachlorobiphenyl (PCB)	79	60-140

Type: BSD **Batch#:** 300277 **Analysis:** EPA 8082

Lab ID: QC1023079 **Prepared:** 11/04/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/06/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1023079 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.441	89	60-140	ug/100 cm2	8	20
Aroclor-1260	5.000	4.572	91	60-140	ug/100 cm2	10	20

QC1023079 Surrogate	%REC	Limits
TCMX (PCB)	90	52-186
Decachlorobiphenyl (PCB)	73	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 471964 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-DG-5 TO 5.5-DN-C1.5-DG-221101-L-LA
Type: SAMPLE
Lab ID: 471964-002
Matrix: Wipe
Diln Fac: 1.000

Batch#: 300310
Sampled: 11/01/22
Received: 11/01/22
Prepared: 11/03/22
Analyzed: 11/04/22

Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

471964-002 Analyte	Result	RL	Units
Lead	**88**	0.54	ug/ft2

Field ID: ARCH-C2W-PS-5.5-221101-L-G
Type: SAMPLE
Lab ID: 471964-004
Matrix: Wipe
Diln Fac: 1.000

Batch#: 300310
Sampled: 11/01/22
Received: 11/01/22
Prepared: 11/03/22
Analyzed: 11/04/22

Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

471964-004 Analyte	Result	RL	Units
Lead	**110**	0.54	ug/ft2

Field ID: ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-L-LA
Type: SAMPLE
Lab ID: 471964-007
Matrix: Wipe
Diln Fac: 1.000

Batch#: 300310
Sampled: 11/01/22
Received: 11/01/22
Prepared: 11/03/22
Analyzed: 11/04/22

Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

471964-007 Analyte	Result	RL	Units
Lead	**86**	0.53	ug/ft2

Field ID: ARCH-C2W-DG-6 TO 6.5-221101-L-FB
Type: SAMPLE
Lab ID: 471964-009
Matrix: Wipe
Diln Fac: 1.000

Batch#: 300310
Sampled: 11/01/22
Received: 11/01/22
Prepared: 11/03/22
Analyzed: 11/04/22

Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

471964-009 Analyte	Result	RL	Units
Lead	**8.8**	0.54	ug/ft2

Field ID: ARCH-C2W-DG-6 TO 6.5-221101-L-DUP-FB
Type: SAMPLE
Lab ID: 471964-010
Matrix: Wipe
Diln Fac: 1.000

Batch#: 300310
Sampled: 11/01/22
Received: 11/01/22
Prepared: 11/03/22
Analyzed: 11/04/22

Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

471964-010 Analyte	Result	RL	Units
Lead	**100**	0.54	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 471964 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C2W-PS-6.5-221101-L-G **Batch#:** 300310 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 6010B
Lab ID: 471964-012 **Received:** 11/01/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/03/22
Diln Fac: 1.000 **Analyzed:** 11/04/22

471964-012 Analyte	Result	RL	Units
Lead	**98**	0.54	ug/ft2

Field ID: 221101-L-MEDBLANK1 **Batch#:** 300310 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 6010B
Lab ID: 471964-014 **Received:** 11/01/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/03/22
Diln Fac: 1.000 **Analyzed:** 11/04/22

471964-014 Analyte	Result	RL	Units
Lead	ND	0.54	ug/ft2

Field ID: ARCH-C2W-EXT-7 TO 8-221101-L-WF **Batch#:** 300310 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/01/22 **Analysis:** EPA 6010B
Lab ID: 471964-015 **Received:** 11/01/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/03/22
Diln Fac: 1.000 **Analyzed:** 11/04/22

471964-015 Analyte	Result	RL	Units
Lead	**71**	0.54	ug/ft2

Type: BLANK **Batch#:** 300310 **Analysis:** EPA 6010B
Lab ID: QC1023181 **Prepared:** 11/03/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 11/04/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1023181 Analyte	Result	RL	Units
Lead	ND	0.54	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 471964 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 300310 **Analysis:** EPA 6010B

Lab ID: QC1023182 **Prepared:** 11/03/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 11/04/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1023182 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	99.37	99	80-120	ug/ft2

Type: BSD **Batch#:** 300310 **Analysis:** EPA 6010B

Lab ID: QC1023183 **Prepared:** 11/03/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 11/04/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1023183 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	101.1	101	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

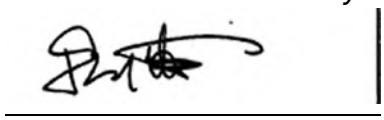
Lab Job Number: 473361
Report Level: II
Report Date: 01/24/2023

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	473361
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	11/17/22

Sample ID	Lab ID	Collected	Matrix
ARCH-C1W-DG-7 TO 7.5-DN-C1.3-DG-221116-P-LA	473361-001	11/16/22 12:42	Wipe
ARCH-C1W-DG-7 TO 7.5-DN-C1.3-DG-221116-L-LA	473361-002	11/16/22 12:42	Wipe
ARCH-C2W-EXT-8 TO 9-221116-P-WF	473361-003	11/16/22 13:00	Wipe
ARCH-C2W-EXT-8 TO 9-221116-L-WF	473361-004	11/16/22 13:00	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 473361 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 11/17/22

This data package contains sample and QC results for four wipe samples, requested for the above referenced project on 11/18/22. The samples were received cold and intact. Reissued 1/24/23 to revise PCB wipe extraction method.

PCBs (EPA 8082):

- Low recoveries were observed for Aroclor-1016 and Aroclor-1260 in the BS/BSD for batch 302486; these low recoveries were confirmed by re-analysis, no associated target analytes were detected in the sample, and the associated RPDs were within limits.
- No other analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

473361

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 1 of 2 (1)

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.		
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	T. Sinnott + M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	ARCH-C1W-DG-7 TO 7.5-DN-C1.3-DG-2211 16 -P- LA	11/16/2022	1242	WP	1		X		
2	ARCH-C1W-DG-7 TO 7.5-DN-C1.3-DG-2211 16 -L- LA	11/16/2022	1242	WP	1			X	
3	ARCH-C2W-EXT-8 TO 9-2211 16 -P- WF	11/16/2022	1300	WP	1		X		
4	ARCH-C2W-EXT-8 TO 9-2211 16 -L- WF	11/16/2022	1300	WP	1			X	
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									

Test Instructions / Comments

Confirmation Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Use extraction Method 3546 for PCBs

Wipe samples collected from Zone 2 Enclosure D

3x Rivet Type 2 = 0.0300 ft²

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TSinnott	Tyler Sinnott	Rincon / Envi. Scientist	11/17/22 1137
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	11/17/22 1345
2 Relinquished By:	Audrey Hudson	〃	〃	11/17/22 1706
2 Received By:		Mmmmm	FEDEX	11/17/22 1702
3 Relinquished By:		Lisa Pang	FEDEX	11/17/22 17:41
3 Received By:		Frown	EA	11/18/22 0735

1.8/3.5

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 473361 Client: RINCON

Date Received: 11.17.22 Project: _____

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Section 2: Shipping info (if applicable) _____

Are custody seals present? ☒ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 11.17.22 By (print) Jak Peterson (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☐ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☒ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☑ B ☐ C

Cooler Temp (°C): #1: 4.1, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 11.17.22 **By (print)** JP for MY **(sign)** _____

Date Labeled 11.17.22 **By (print)** Jak Peterson **(sign)** _____

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 11/18/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: TPX

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.8 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?		✔	
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/18/22

Enthalpy Analytical - Orange Analytical Report

Lab #: 473361 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-DG-7 TO 7.5-DN-C1.3-DG-221116-P-LA **Batch#:** 302486 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473361-001 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

Dil Fac: 1.000 **Analyzed:** 12/06/22

473361-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473361-001 Surrogate	%REC	Limits
TCMX (PCB)	39	19-121
Decachlorobiphenyl (PCB)	31	19-121

Field ID: ARCH-C2W-EXT-8 TO 9-221116-P-WF **Batch#:** 302486 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473361-003 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

Dil Fac: 1.000 **Analyzed:** 12/06/22

473361-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473361-003 Surrogate	%REC	Limits
TCMX (PCB)	44	19-121
Decachlorobiphenyl (PCB)	37	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473361 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type:	BLANK	**Batch#:**	302486	**Analysis:**	EPA 8082
Lab ID:	QC1029966	**Prepared:**	12/05/22	**Analyst:**	TJW
Matrix:	Wipe	**Analyzed:**	12/06/22		
DiIn Fac:	1.000	**Prep:**	EPA 3572M		

QC1029966 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1029966 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	67	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 473361 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 302486 **Analysis:** EPA 8082

Lab ID: QC1029967 **Prepared:** 12/05/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 12/06/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1029967 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	2.687	54 *	60-140	ug/100 cm2
Aroclor-1260	5.000	2.457	49 *	60-140	ug/100 cm2

QC1029967 Surrogate	%REC	Limits
TCMX (PCB)	45	19-121
Decachlorobiphenyl (PCB)	45	19-121

Type: BSD **Batch#:** 302486 **Analysis:** EPA 8082

Lab ID: QC1029968 **Prepared:** 12/05/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 12/06/22

DiIn Fac: 1.000 **Prep:** EPA 3572M

QC1029968 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	2.817	56 *	60-140	ug/100 cm2	5	20
Aroclor-1260	5.000	2.576	52 *	60-140	ug/100 cm2	5	20

QC1029968 Surrogate	%REC	Limits
TCMX (PCB)	50	19-121
Decachlorobiphenyl (PCB)	42	19-121

Legend

*: Value is outside QC limits

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 473361 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: ARCH-C1W-DG-7 TO 7.5-DN-C1.3-DG-221116-L-LA
Type: SAMPLE
Lab ID: 473361-002
Matrix: Wipe
Diln Fac: 1.000

Batch#: 301526
Sampled: 11/16/22
Received: 11/17/22
Prepared: 11/19/22
Analyzed: 11/21/22

Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

473361-002 Analyte	Result	RL	Units
Lead	**74**	0.24	ug/ft2

Field ID: ARCH-C2W-EXT-8 TO 9-221116-L-WF
Type: SAMPLE
Lab ID: 473361-004
Matrix: Wipe
Diln Fac: 1.000

Batch#: 301526
Sampled: 11/16/22
Received: 11/17/22
Prepared: 11/19/22
Analyzed: 11/21/22

Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

473361-004 Analyte	Result	RL	Units
Lead	**54**	0.25	ug/ft2

Type: BLANK
Lab ID: QC1027000
Matrix: Wipe
Diln Fac: 1.000

Batch#: 301526
Prepared: 11/19/22
Analyzed: 11/21/22
Prep: EPA 3050B

Analysis: EPA 6010B
Analyst: SBW

QC1027000 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend
ND: Not Detected
RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 473361 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 301526 **Analysis:** EPA 6010B

Lab ID: QC1027001 **Prepared:** 11/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 11/21/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1027001 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	105.8	106	80-120	ug/ft2

Type: BSD **Batch#:** 301526 **Analysis:** EPA 6010B

Lab ID: QC1027002 **Prepared:** 11/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 11/21/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1027002 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	106.7	107	80-120	ug/ft2	1	20

Legend

RPD: Relative Percent Difference

Attachment 4

ProUCL Input and Output Files

Attachment 4
Hangar 1 Data Summary Submittal for the Low Occupancy Area of Zone 2
ProUCL Lead Input File

Sample ID	LeadResults	d_LeadResults
ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-220915-LA	260	1
ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-220915-LA	130	1
ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-220915-LA	130	1
ARCH-C2E-PS-6.5-220915-G	160	1
ARCH-C2E-EXT-8 TO 9-220915-WF	90	1
ARCH-C2E-EXT-7 TO 8-220915-DUP-WF	100	1
ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-LA	190	1
ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-LA	130	1
ARCH-C2E-INT-4.5 TO 5.5-220915-WF	230	1
ARCH-C2E-PS-5.5-220915-G	210	1
ARCH-C2E-DG-6 TO 6.5-220915-FB	130	1
ARCH-C2E-PS-4.5-220916-G	110	1
ARCH-C2E-DG-4 TO 4.5-UP-C2.1-VS-220916-LA	240	1
ARCH-C1E-DG-1.5 TO 2-C1.3-DG-221007-LA	370	1
ARCH-C2E-EXT-1 TO 2-221007-WF	250	1
ARCH-C2E-DG-2 TO 2.5-DG-221007-FB	250	1
ARCH-C2E-DG-1 TO 1.5-UP-C2.6-HS-221007-LA	250	1
ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-LA	160	1
ARCH-C1E-DG-2.5 TO 3-DN-C1.5-VS-221007-LA	180	1
ARCH-C1E-DG-3 TO 3.5-UP-C1.6-HS-221007-LA	240	1
ARCH-C1E-DG-3 TO 3.5-DN-C1.6-DG-221007-LA	110	1
ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221014-LA	24	1
ARCH-C2E-DG-2 TO 2.5-221007-FB	150	1
ARCH-C2E-PS-2.5-221007-G	230	1
ARCH-C2E-DG-3 TO 3.5-221014-FB	9.6	1
ARCH-C2E-DG-2 TO 2.5-UP-C2.4-HS-221007-LA	120	1
ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221007-LA	240	1
ARCH-C2E-DG-2.5 TO 3-DN-C2.3-VS-221007-LA	230	1
ARCH-C2E-DG-3 TO 3.5-UP-C2.1-HS-221007-LA	260	1
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-DUP-LA	14	1
ARCH-C2E-EXT-3 TO 4-221007-WF	340	1
ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-LA	210	1
ARCH-C2W-EXT-1 TO 2-221008-WF	290	1
ARCH-C2W-DG-1.5 TO 2-221008-FB	130	1
ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-LA	170	1
ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008-LA	190	1
ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-LA	130	1
ARCH-C1W-DG-2 TO 2.5-UP-C1.3-HS-221008-LA	92	1
ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221008-LA	150	1
ARCH-C1W-DG-3 TO 3.5-UP-C1.6-HS-221008-LA	310	1
ARCH-C1W-DG-3 TO 3.5-DN-C1.4-DG-221008-LA	110	1
ARCH-C1W-DG-3 TO 3.5-DN-C1.4-VS-221008-LA	320	1

ARCH-C2W-INT-1.5 TO 2.5-221008-DUP-WF	450	1
ARCH-C2W-PS-3-221008-G	250	1
ARCH-C2W-DG-3 TO 3.5-221008-DUP-FB	380	1
ARCH-C2W-PS-3.5-221008-FB	180	1
ARCH-C2W-DG-2.5 TO 3-DN-C2.3-VS-221008-LA	170	1
ARCH-C2W-DG-3 TO 3.5-UP-C2.1-HS-221008-LA	180	1
ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-LA	260	1
ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-LA	92	1
ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-LA	58	1
ARCH-C2W-PS-4.5-221101-G	58	1
ARCH-C2W-INT-4.5 TO 5.5-221101-WF	120	1
ARCH-C2W-DG-5 TO 5.5-221101-FB	54	1
ARCH-C1W-DG-5 TO 5.5-DN-C1.5-DG-221101-L-LA	88	1
ARCH-C2W-PS-5.5-221101-G	110	1
ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-LA	86	1
ARCH-C2W-DG-6 TO 6.5-221101-DUP-FB	100	1
ARCH-C2W-PS-6.5-221101-G	98	1
ARCH-C2W-EXT-7 TO 8-221101-WF	71	1
ARCH C1W-DG-7 TO 7.5-DN-C1.3 DG-221116-LA	74	1
ARCH C2W-EXT-8 TO 9-221116-WF	54	1

Attachment 4
Hangar 1 Data Summary Submittal for the Low Occupancy Area of Zone 2
ProUCL Lead Output File

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 1/12/2023 1:29:58 PM
From File	Z2_LO_Lead_UCL_Input.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

LeadResults

General Statistics			
Total Number of Observations	62	Number of Distinct Observations	33
		Number of Missing Observations	0
Minimum	9.6	Mean	170.5
Maximum	450	Median	155
SD	94.72	Std. Error of Mean	12.03
Coefficient of Variation	0.555	Skewness	0.661

Normal GOF Test		
Shapiro Wilk Test Statistic	0.956	**Shapiro Wilk GOF Test**
1% Shapiro Wilk P Value	0.058	Data appear Normal at 1% Significance Level
Lilliefors Test Statistic	0.133	**Lilliefors GOF Test**
1% Lilliefors Critical Value	0.13	Data Not Normal at 1% Significance Level
Data appear Approximate Normal at 1% Significance Level		

Assuming Normal Distribution			
95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	190.6	95% Adjusted-CLT UCL (Chen-1995)	191.4
		95% Modified-t UCL (Johnson-1978)	190.8

Gamma GOF Test		
A-D Test Statistic	0.478	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.76	Detected data appear Gamma Distributed at 5% Significance Leve
K-S Test Statistic	0.0853	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.114	Detected data appear Gamma Distributed at 5% Significance Leve
Detected data appear Gamma Distributed at 5% Significance Level		

Gamma Statistics			
k hat (MLE)	2.673	k star (bias corrected MLE)	2.554
Theta hat (MLE)	63.81	Theta star (bias corrected MLE)	66.77
nu hat (MLE)	331.4	nu star (bias corrected)	316.7
MLE Mean (bias corrected)	170.5	MLE Sd (bias corrected)	106.7
		Approximate Chi Square Value (0.05)	276.5
Adjusted Level of Significance	0.0461	Adjusted Chi Square Value	275.6

Assuming Gamma Distribution			
95% Approximate Gamma UCL	195.3	95% Adjusted Gamma UCL	196

Attachment 4
Hangar 1 Data Summary Submittal for the Low Occupancy Area of Zone 2
ProUCL Lead Output File

Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.899	**Shapiro Wilk Lognormal GOF Test**	
10% Shapiro Wilk P Value	2.2502E-5	Data Not Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.107	**Lilliefors Lognormal GOF Test**	
10% Lilliefors Critical Value	0.103	Data Not Lognormal at 10% Significance Level	
Data Not Lognormal at 10% Significance Level			

Lognormal Statistics			
Minimum of Logged Data	2.262	Mean of logged Data	4.94
Maximum of Logged Data	6.109	SD of logged Data	0.728

Assuming Lognormal Distribution			
95% H-UCL	220.3	90% Chebyshev (MVUE) UCL	237
95% Chebyshev (MVUE) UCL	262.2	97.5% Chebyshev (MVUE) UCL	297.1
99% Chebyshev (MVUE) UCL	365.8		

Nonparametric Distribution Free UCL Statistics
Data appear to follow a Discernible Distribution

Nonparametric Distribution Free UCLs			
95% CLT UCL	190.3	95% BCA Bootstrap UCL	191.2
95% Standard Bootstrap UCL	190.8	95% Bootstrap-t UCL	193.3
95% Hall's Bootstrap UCL	193.3	95% Percentile Bootstrap UCL	191.2
90% Chebyshev(Mean, Sd) UCL	206.6	95% Chebyshev(Mean, Sd) UCL	223
97.5% Chebyshev(Mean, Sd) UCL	245.7	99% Chebyshev(Mean, Sd) UCL	290.2

Suggested UCL to Use			
95% Student's-t UCL	190.6		

When a data set follows an approximate distribution passing only one of the GOF tests,
it is suggested to use a UCL based upon a distribution passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 1/12/2023 1:33:11 PM
From File	Z2_LO_PCB_UCL_Input.xls
Full Precision	OFF
Confidence Coefficient	95%
umber of Bootstrap Operations	2000

Aroclor 1016

General Statistics			
Total Number of Observations	62	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	62
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor 1016 was not processed!

Aroclor 1221

General Statistics			
Total Number of Observations	62	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	62
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor 1221 was not processed!

Aroclor 1232

General Statistics			
Total Number of Observations	62	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	62
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor 1232 was not processed!

Aroclor 1242

General Statistics			
Total Number of Observations	62	Number of Distinct Observations	3
Number of Detects	0	Number of Non-Detects	62
Number of Distinct Detects	0	Number of Distinct Non-Detects	3

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor 1242 was not processed!

Aroclor 1248

General Statistics			
Total Number of Observations	62	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	62
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor 1248 was not processed!

Aroclor 1254

General Statistics			
Total Number of Observations	62	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	62
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor 1254 was not processed!

Aroclor 1260

General Statistics			
Total Number of Observations	62	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	62
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor 1260 was not processed!

Aroclor 1262

General Statistics			
Total Number of Observations	62	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	62
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!
Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!
The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor 1262 was not processed!

Aroclor 1268

General Statistics			
Total Number of Observations	62	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	62
Number of Distinct Detects	0	Number of Distinct Non-Detects	2

Warning: All observations are Non-Detects (NDs), therefore all statistics and estimates should also be NDs!

Specifically, sample mean, UCLs, UPLs, and other statistics are also NDs lying below the largest detection limit!

The Project Team may decide to use alternative site specific values to estimate environmental parameters (e.g., EPC, BTV).

The data set for variable Aroclor 1268 was not processed!

Attachment 5

Data Validation Reports

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

March 20, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on September 28, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #55048 RV2:

SDG #	Fraction
469257	Polychlorinated Biphenyls, Lead
469270	
469273	

The data validation was performed under Stage 2A & 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

175 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 55048 (Rincon Consultants, Inc., Los Angeles, CA / Hanger 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix:	Water/Soil/Wipe			W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	469257	09/28/22	10/19/22	0	22	0	22																												
B	469270	09/28/22	10/19/22	0	13	0	12																												
C	469273	09/28/22	10/19/22	0	12	0	12																												
Total	TR/PG			0	47	0	46	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	93

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hanger 1 NTCRA\55048ST-Wipe.wpd

LDC Report# 55048_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

469257
469270
469273

November 8, 2022

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the September 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
Three media blanks were collected and analyzed. No contaminants were found.

6010B
Two media blanks were collected and analyzed. One media blank had detections for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the media blank, therefore no data were qualified. The details are presented in Enclosure I.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed. The lack of MS/MSD samples for wipe samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed. The lack of laboratory duplicate samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
Five field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Five field duplicate pairs were collected and analyzed. Five field duplicate pairs had detections for lead. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals (EKI, 2022).

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 469257						
Method: 6010B						
220916-L-MEDBLANK3	469257-040	WIPE	FB	3050B	9/16/2022	S2AVE
AFRAME-C1E-LAT-L1-UP-C1.6-VS-220916-L-LA	469257-004	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-L-SS	469257-009	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C1E-MED-L1-UP-C1.4-HM-220916-L-CB	469257-002	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C1E-MED-L1-UP-C1.6-HS-220916-L-LA	469257-006	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C2E-LAT-L1-EXT-1 TO 2-220916-L-WF	469257-036	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C2E-LAT-L1-HS-3-220916-L-A	469257-032	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C2E-LAT-L1-INT-0 TO 1-220916-L-FB	469257-038	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-L-DUP-FB	469257-025	WIPE	FD	3050B	9/16/2022	S2AVE
AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-L-FB	469257-024	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C2E-LAT-L1-UP-C2.6-VS-220916-L-I	469257-014	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C2E-LAT-L2-EXT-0 TO 1-220916-L-WF	469257-022	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C2E-MED-L1-EXT-2 TO 3-220916-L-WF	469257-027	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C2E-MED-L1-HS-3-220916-L-A	469257-029	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C2E-MED-L1-HS-3-220916-L-DUP-A	469257-030	WIPE	FD	3050B	9/16/2022	S2AVE
AFRAME-C2E-MED-L1-INT-1 TO 2-220916-L-FB	469257-034	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C2E-MED-L1-UP-C2.5-DG-220916-L-SS	469257-016	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C2E-MED-L1-UP-C2E-HS-220916-L-LA	469257-018	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C2E-MED-L2-INT-0.5 TO 1-220916-L-FB	469257-020	WIPE	N	3050B	9/16/2022	S2AVE
AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-L-LA	469257-012	WIPE	N	3050B	9/16/2022	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 6010B						
ARCH-C2E-DG-4 TO 4.5-UP-C2.1-VS-220916-L-LA	469257-044	WIPE	N	3050B	9/16/2022	S2AVE
ARCH-C2E-PS-4.5-220916-L-G	469257-042	WIPE	N	3050B	9/16/2022	S2AVE
Method: 8082						
220916-P-MEDBLANK3	469257-039	WIPE	FB	3572M	9/16/2022	S2AVE
AFRAME-C1E-LAT-L1-UP-C1.6-VS-220916-P-LA	469257-003	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-P-DUP-SS	469257-008	WIPE	FD	3572M	9/16/2022	S2AVE
AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-P-SS	469257-007	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C1E-MED-L1-UP-C1.4-HM-220916-P-CB	469257-001	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C1E-MED-L1-UP-C1.6-HS-220916-P-LA	469257-005	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C2E-LAT-L1-EXT-1 TO 2-220916-P-WF	469257-035	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C2E-LAT-L1-HS-3-220916-P-A	469257-031	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C2E-LAT-L1-INT-0 TO 1-220916-P-FB	469257-037	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-P-FB	469257-023	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C2E-LAT-L1-UP-C2.6-VS-220916-P-I	469257-013	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C2E-LAT-L2-EXT-0 TO 1-220916-P-WF	469257-021	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C2E-MED-L1-EXT-2 TO 3-220916-P-WF	469257-026	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C2E-MED-L1-HS-3-220916-P-A	469257-028	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C2E-MED-L1-INT-1 TO 2-220916-P-FB	469257-033	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C2E-MED-L1-UP-C2.5-DG-220916-P-SS	469257-015	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C2E-MED-L1-UP-C2E-HS-220916-P-LA	469257-017	WIPE	N	3572M	9/16/2022	S2AVE
AFRAME-C2E-MED-L2-INT-0.5 TO 1-220916-P-FB	469257-019	WIPE	N	3572M	9/16/2022	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-P-DUP-LA	469257-011	WIPE	FD	3572M	~~9/16/2022~~	S2AVE
~~AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-P-LA~~	469257-010	~~WIPE~~	N	3572M	9/16/2022	S2AVE
ARCH-C2E-DG-4 TO 4.5-UP-C2.1-VS-220916-P-LA	469257-043	WIPE	N	3572M	9/16/2022	S2AVE
ARCH-C2E-PS-4.5-220916-P-G	469257-041	WIPE	N	3572M	9/16/2022	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 469270						
Method: 6010B						
220915-L-MEDBLANK1	469270-021	WIPE	FB	3050B	9/15/2022	S2AVE
220915-L-MEDBLANK2	469270-024	WIPE	FB	3050B	9/15/2022	S2AVE
AFRAME-C1E-LAT-L2-UP-C1.4-DG-220915-L-CB	469270-015	WIPE	N	3050B	9/15/2022	S2AVE
AFRAME-C1E-MED-L2-UP-C1.3-HM-220915-L-CB	469270-013	WIPE	N	3050B	9/15/2022	S2AVE
AFRAME-C2E-LAT-L2-UP-C2.1-HM-220915-L-CB	469270-017	WIPE	N	3050B	9/15/2022	S2AVE
AFRAME-C2E-MED-L2-HS-1-220915-L-G	469270-019	WIPE	N	3050B	9/15/2022	S2AVE
ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-220915-L-LA	469270-002	WIPE	N	3050B	9/15/2022	S2AVE
ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-220915-L-LA	469270-004	WIPE	N	3050B	9/15/2022	S2AVE
ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-220915-L-LA	469270-006	WIPE	N	3050B	9/15/2022	S2AVE
ARCH-C2E-EXT-7TO 8-220915-L-WF	469270-025	WIPE	N	3050B	9/15/2022	S2AVE
ARCH-C2E-EXT-7TO8-220915-L-DUP-WF	469270-026	WIPE	FD	3050B	9/15/2022	S2AVE
ARCH-C2E-EXT-8 TO 9-220915-L-WF	469270-011	WIPE	N	3050B	9/15/2022	S2AVE
ARCH-C2E-PS-6.5-220915-L-G	469270-009	WIPE	N	3050B	9/15/2022	S2AVE
Method: 8082						
220915-P-MEDBLANK1	469270-020	WIPE	FB	3572M	9/15/2022	S2AVE
220915-P-MEDBLANK2	469270-022	WIPE	FB	3572M	9/15/2022	S2AVE
AFRAME-C1E-LAT-L2-UP-C1.4-DG-220915-P-CB	469270-014	WIPE	N	3572M	9/15/2022	S2AVE
AFRAME-C1E-MED-L2-UP-C1.3-HM-220915-P-CB	469270-012	WIPE	N	3572M	9/15/2022	S2AVE
AFRAME-C2E-LAT-L2-UP-C2.1-HM-220915-P-CB	469270-016	WIPE	N	3572M	9/15/2022	S2AVE
AFRAME-C2E-MED-L2-HS-1-220915-P-G	469270-018	WIPE	N	3572M	9/15/2022	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-220915-P-LA	469270-001	WIPE	N	3572M	9/15/2022	S2AVE
ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-220915-P-LA	469270-003	WIPE	N	3572M	9/15/2022	S2AVE
ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-220915-P-LA	469270-005	WIPE	N	3572M	9/15/2022	S2AVE
ARCH-C2E-EXT-7TO8-220915-P-WF	469270-027	WIPE	N	3572M	9/15/2022	S2AVE
ARCH-C2E-EXT-8 TO 9-220915-P-WF	469270-010	WIPE	N	3572M	9/15/2022	S2AVE
ARCH-C2E-PS-6.5-220915-P-DUP-G	469270-008	WIPE	FD	3572M	9/15/2022	S2AVE
ARCH-C2E-PS-6.5-220915-P-G	469270-007	WIPE	N	3572M	9/15/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 469273						
Method: 6010B						
AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-L-LA	469273-017	WIPE	N	3050B	9/15/2022	S3VEM
AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-L-LA	469273-014	WIPE	N	3050B	9/15/2022	S3VEM
AFRAME-C2E-LAT-L3-UP-C2.5-DG-220915-L-LA	469273-019	WIPE	N	3050B	9/15/2022	S3VEM
AFRAME-C2E-MED-L3-DN-C2.4-DG-220915-L-LA	469273-021	WIPE	N	3050B	9/15/2022	S3VEM
AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-L-DUP-WF	469273-024	WIPE	FD	3050B	9/15/2022	S3VEM
AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-L-WF	469273-023	WIPE	N	3050B	9/15/2022	S3VEM
ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-L-LA	469273-002	WIPE	N	3050B	9/15/2022	S3VEM
ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-L-LA	469273-005	WIPE	N	3050B	9/15/2022	S3VEM
ARCH-C2E-DG-6 TO 6.5-220915-L-FB	469273-012	WIPE	N	3050B	9/15/2022	S3VEM
ARCH-C2E-INT-4.5 TO 5.5-220915-L-DUP-WF	469273-008	WIPE	FD	3050B	9/15/2022	S3VEM
ARCH-C2E-INT-4.5 TO 5.5-220915-L-WF	469273-007	WIPE	N	3050B	9/15/2022	S3VEM
ARCH-C2E-PS-5.5-220915-L-G	469273-010	WIPE	N	3050B	9/15/2022	S3VEM
Method: 8082						
AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-P-DUP-LA	469273-016	WIPE	FD	3572M	9/15/2022	S3VEM
AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-P-LA	469273-015	WIPE	N	3572M	9/15/2022	S3VEM
AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-P-LA	469273-013	WIPE	N	3572M	9/15/2022	S3VEM
AFRAME-C2E-LAT-L3-UP-C2.5-DG-220915-P-LA	469273-018	WIPE	N	3572M	9/15/2022	S3VEM
AFRAME-C2E-MED-L3-DN-C2.4-DG-220915-P-LA	469273-020	WIPE	N	3572M	9/15/2022	S3VEM
AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-P-WF	469273-022	WIPE	N	3572M	9/15/2022	S3VEM
ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-P-LA	469273-001	WIPE	N	3572M	9/15/2022	S3VEM

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-P-DUP-LA	469273-004	WIPE	FD	3572M	9/15/2022	S3VEM
ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-P-LA	469273-003	WIPE	N	3572M	9/15/2022	S3VEM
ARCH-C2E-DG-6 TO 6.5-220915-P-FB	469273-011	WIPE	N	3572M	9/15/2022	S3VEM
ARCH-C2E-INT-4.5 TO 5.5-220915-P-WF	469273-006	WIPE	N	3572M	9/15/2022	S3VEM
ARCH-C2E-PS-5.5-220915-P-G	469273-009	WIPE	N	3572M	9/15/2022	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (10/21/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 469257

Laboratory: Enthalpy Orange

EDD Filename: Prep469257

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 469270

Laboratory: Enthalpy Orange

EDD Filename: Prep469270

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 469273

Laboratory: Enthalpy Orange

EDD Filename: Prep469273

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

469257

LDC #: 55048A3b

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 10/21/2022

SDG #: 469257

Page: ___ of ___

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: BM

2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB= 20
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD= 5/4, 7/6
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C1E-MED-L1-UP-C1.4-HM-220916-P-CB	469257-001	Wipe	09/16/22
2	AFRAME-C1E-LAT-L1-C1.6-VS-220916-P-LA	469257-003	Wipe	09/16/22
3	AFRAME-C1E-MED-L1-UP-C1.6-HS-220916-P-LA	469257-005	Wipe	09/16/22
4	AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-P-SS	469257-007	Wipe	09/16/22
5	AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-P-DUP-SS	469257-008	Wipe	09/16/22
6	AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-P-LA	469257-010	Wipe	09/16/22
7	AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-P-DUP-LA	469257-011	Wipe	09/16/22
8	AFRAME-C2E-LAT-L1-UP-C2.6-VS-220916-P-I	469257-013	Wipe	09/16/22
9	AFRAME-C2E-MED-L1-UP-C2.5-DG-220916-P-SS	469257-015	Wipe	09/16/22
10	AFRAME-C2E-MED-L1-UP-C2E-HS-220916-P-LA	469257-017	Wipe	09/16/22
11	AFRAME-C2E-MED-L2-INT-0.5 TO 1-220916-P-FB	469257-019	Wipe	09/16/22
12	AFRAME-C2E-LAT-L2-EXT-0 TO 1-220916-P-WF	469257-021	Wipe	09/16/22
13	AFRAME-C2E-LAT-INT-2 TO 3-220916-P-FB	469257-023	Wipe	09/16/22
14	AFRAME-C2E-MED-L1-EXT-2 TO 3-220916-P-WF	469257-026	Wipe	09/16/22
15	AFRAME-C2E-MED-L1-HS-3-220916-P-A	469257-028	Wipe	09/16/22
16	AFRAME-C2E-LAT-L1-HS-3-220916-P-A	469257-031	Wipe	09/16/22
17	AFRAME-C2E-MED-L1-INT-1 TO 2-220916-P-FB	469257-033	Wipe	09/16/22

LDC #: 55048A3b

SDG #: 469257

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date:

Page: of

Reviewer:

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C2E-LAT-L1-EXT-1 TO 2-220916-P-WF	469257-035	Wipe	09/16/22
19	AFRAME-C2E-LAT-L1-INT-0 TO 1-220916-P-FB	469257-037	Wipe	09/16/22
20	220916-P-MEDBLANK3	469257-039	Wipe	09/16/22
21	ARCH-C2E-PS-4.5-220916-L-G	469257-041	Wipe	09/16/22
22	ARCH-C2E-DG-4 TO 4.5-UP-C2.1-VS-220916-P-LA	469257-043	Wipe	09/16/22
23				
24				
25				

Notes:

LDC #: 55048A4b

SDG #: 469257

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 10/21/2022

Page: of

Reviewer: BM

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW	FB=20
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD= 12/11, 15/14,
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C1E-MED-L1-UP-C1.4-HM-220916-L-CB	469257-002	Wipe	09/16/22
2	AFRAME-C1E-LAT-L1-C1.6-VS-220916-L-LA	469257-004	Wipe	09/16/22
3	AFRAME-C1E-MED-L1-UP-C1.6-HS-220916-L-LA	469257-006	Wipe	09/16/22
4	AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-L-SS	469257-009	Wipe	09/16/22
5	AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-L-LA	469257-012	Wipe	09/16/22
6	AFRAME-C2E-LAT-L1-UP-C2.6-VS-220916-L-I	469257-014	Wipe	09/16/22
7	AFRAME-C2E-MED-L1-UP-C2.5-DG-220916-L-SS	469257-016	Wipe	09/16/22
8	AFRAME-C2E-MED-L1-UP-C2E-HS-220916-L-LA	469257-018	Wipe	09/16/22
9	AFRAME-C2E-MED-L2-INT-0.5 TO 1-220916-L-FB	469257-020	Wipe	09/16/22
10	AFRAME-C2E-LAT-L2-EXT-0 TO 1-220916-L-WF	469257-022	Wipe	09/16/22
11	AFRAME-C2E-LAT-INT-2 TO 3-220916-L-FB	469257-024	Wipe	09/16/22
12	AFRAME-C2E-LAT-INT-2 TO 3-220916-L-DUP-FB	469257-025	Wipe	09/16/22
13	AFRAME-C2E-MED-L1-EXT-2 TO 3-220916-L-WF	469257-027	Wipe	09/16/22
14	AFRAME-C2E-MED-L1-HS-3-220916-L-A	469257-029	Wipe	09/16/22
15	AFRAME-C2E-MED-L1-HS-3-220916-L-DUP-A	469257-030	Wipe	09/16/22
16	AFRAME-C2E-LAT-L1-HS-3-220916-L-A	469257-032	Wipe	09/16/22
17	AFRAME-C2E-MED-L1-INT-1 TO 2-220916-L-FB	469257-034	Wipe	09/16/22

LDC #: 55048A4b

SDG #: 469257

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date:

Page: of

Reviewer:

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C2E-LAT-L1-EXT-1 TO 2-220916-L-WF	469257-036	Wipe	09/16/22
19	AFRAME-C2E-LAT-L1-INT-0 TO 1-220916-L-FB	469257-038	Wipe	09/16/22
20	220916-L-MEDBLANK3	469257-040	Wipe	09/16/22
21	ARCH-C2E-PS-4.5-220916-L-G	469257-042	Wipe	09/16/22
22	ARCH-C2E-DG-4 TO 4.5-UP-C2.1-VS-220916-L-LA	469257-044	Wipe	09/16/22
23				
24				
25				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 469257

Laboratory: Enthalpy Orange

EDD Filename: Prep469257

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	220916-L-MEDBLANK3	0.87	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 469257 **Laboratory: Enthalpy Orange**

EDD Filename: Prep469257 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-L-	AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-L-			
LEAD	420	460	9	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C2E-MED-L1-HS-3-220916-L-A	AFRAME-C2E-MED-L1-HS-3-220916-L-DUP-A			
LEAD	110	150	31	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Quality Control
Outlier Reports

469270

LDC #: 55048B3b

SDG #: 469270

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 10/21/2022

Page: __ of __

Reviewer: BM

2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB = 11, 12
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD = 5/4
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-220915-P-LA	469270-001	Wipe	09/15/22
2	ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-220915-P-LA	469270-003	Wipe	09/15/22
3	ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-220915-P-LA	469270-005	Wipe	09/15/22
4	ARCH-C2E-6.5-220915-P-G	469270-007	Wipe	09/15/22
5	ARCH-C2E-6.5-220915-P-DUP-G	469270-008	Wipe	09/15/22
6	ARCH-C2E-EXT-8 TO 9-2220915-P-WF	469270-010	Wipe	09/15/22
7	AFRAME-C2E-MED-L2-UP-C1.3-HM-220915-P-CB	469270-012	Wipe	09/15/22
8	AFRAME-C2E-LAT-L2-UP-C1.4-DG-220915-P-CB	469270-014	Wipe	09/15/22
9	AFRAME-C2E-LAT-L2-UP-C2.1-HM-220915-P-CB	469270-016	Wipe	09/15/22
10	AFRAME-C2E-MED-L2-HS-1-220915-P-G	469270-018	Wipe	09/15/22
11	220915-P-MEDBLANK1	469270-020	Wipe	09/15/22
12	220915-P-MEDBLANK2	469270-022	Wipe	09/15/22
13	ARCH-C2E-EXT-7 TO 8-220915-P-WF	469270-027	Wipe	09/15/22
14				
15				
16				
17				

LDC #: 55048B4b

SDG #: 469270

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 10/21/2022

Page: of

Reviewer: BM

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW	FB = 10, 13
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD = 12/11
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1E-DG-6 TO 6.5-DN-C1.4-DG-220915-L-LA	469270-002	Wipe	09/15/22
2	ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-220915-L-LA	469270-004	Wipe	09/15/22
3	ARCH-C2E-DG-7 TO 7.5-UP-C2.3-HS-220915-L-LA	469270-006	Wipe	09/15/22
4	ARCH-C2E-6.5-220915-L-G	469270-009	Wipe	09/15/22
5	ARCH-C2E-EXT-8 TO 9-2220915-L-WF	469270-011	Wipe	09/15/22
6	AFRAME-C2E-MED-L2-UP-C1.3-HM-220915-L-CB	469270-013	Wipe	09/15/22
7	AFRAME-C2E-LAT-L2-UP-C1.4-DG-220915-L-CB	469270-015	Wipe	09/15/22
8	AFRAME-C2E-LAT-L2-UP-C2.1-HM-220915-L-CB	469270-017	Wipe	09/15/22
9	AFRAME-C2E-MED-L2-HS-1-220915-L-G	469270-019	Wipe	09/15/22
10	220915-L-MEDBLANK2	469270-024	Wipe	09/15/22
11	ARCH-C2E-EXT-7 TO 8-220915-L-WF	469270-025	Wipe	09/15/22
12	ARCH-C2E-EXT-7 TO 8-220915-L-DUP-WF	469270-026	Wipe	09/15/22
13	220915-L-MEDBLANK2	469270-021	Wipe	09/15/22
14				
15				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 469270

Laboratory: Enthalpy Orange

EDD Filename: Prep469270

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	220915-L-MEDBLANK2	1.5	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 469270 **Laboratory: Enthalpy Orange**

EDD Filename: Prep469270 **eQAPP Name:**

Method: 6010B

Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C2E-EXT-7TO 8-220915-L-WF (TOT)	**ARCH-C2E-EXT-7TO8-220915-L-**			
LEAD	91	100	9	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Quality Control
Outlier Reports

469273

LDC #: 55048C3b
SDG #: 469273
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 10/10/22
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	Initial calibration/ICV	A/A	%D RSD/r ICV ≤ 20 CCV ≤ 20
III.	Continuing calibration	A	
IV.	Laboratory Blanks	A	
V.	Field blanks	~~ND~~ N	~~FB=6~~
VI.	Surrogate spikes /13	A /A	
VII.	Matrix spike/Matrix spike duplicates	N	MS
VIII.	Laboratory control samples	A	LCS/D
IX.	Field duplicates	ND	D = 2, 3 8, 9
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	MI
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID		Lab ID	Matrix	Date
1	ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-P-LA		469273-001	Wipe	09/15/22
2	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-P-LA	D	469273-003	Wipe	09/15/22
3	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-P-DUP-LA	D	469273-004	Wipe	09/15/22
4	ARCH-C2E-INT-4.5 TO 5.5-220915-P-WF		469273-006	Wipe	09/15/22
5	ARCH-C2E-PS-5.5-220915-P-G		469273-009	Wipe	09/15/22
6	ARCH-C2E-DG-6 TO 6.5-220915-P-FB		469273-011	Wipe	09/15/22
7	AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-P-LA		469273-013	Wipe	09/15/22
8	AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-P-LA	D_1	469273-015	Wipe	09/15/22
9	AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-P-DUP-LA	D_1	469273-016	Wipe	09/15/22
10	AFRAME-C2E-LAT-L3-UP-C2.5-DG-220915-P-LA		469273-018	Wipe	09/15/22
11	AFRAME-C2E-MED-L3-DN-C2.4-DG-220915-P-LA		469273-020	Wipe	09/15/22
12	AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-P-WF		469273-022	Wipe	09/15/22
13	~~220915-P-MEDBLANK1~~		~~469270-20~~	~~Wipe~~	~~09/15/22~~

Notes:

	297328						
	297417						

LDC #: 95048 C36 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: FT

Method: ✓GC __HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target analytes detected in the field duplicates?		✓		
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓		✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 55648C3h

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer: _____

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (500 std)	Recalculated CF (500 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL GC02	9/7/22	Aroclor 1260-1 chA	0.0503	0.0503	0.0536	0.0536	9	9
			↓ chB	0.0795	0.0795	0.0801	0.0801	16	16
2	ICAL GC02	9/23/22		0.0490	0.0490	0.0507	0.0507	11	11
			↓	0.0743	0.0743	0.0751	0.0751	18	18
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55648C3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	ccv	9/20/22 1807	Aroclor 1260-1 chA	500.0	441.6	441.6	12	12
		↓	chB	500.0	467.6	467.6	6	6
2	ccv	9/22/22 1308	↓	↓	442.8	442.8	11	11
					479.6	479.6	4	4
3	ccv	9/23/22 2106	↓	↓	516.9	516.9	3	3
					516.3	516.3	3	3
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55048c3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #2

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	50	30.1906	60	60	0
DCB	↓	↓	31.8175	64	64	0

Sample ID: ___

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 55048C3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 297328 - LCS 1P

Compound	Spike Added (ug/100 gm)^2		Spike Sample Concentration (ug/100 gm)^2		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	4.225	4.717	84	84	94	94	~~84~~ 11 F7	11

Comments: _____

LDC #: 55048036

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 297328 LCSD Aroclor 1260

Concentration = $\frac{422.5\ (10)}{(1)\ (1000)}$ = 4.225 ug/100 cm²

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm²)	Recalculated Results Concentrations (ug/100 cm²)	Qualifications
	297328 LCS	Aroclor 1260	~~4.777~~ 4.225		
	1260-1			1260-1 = 430.1	
	1159 2177.2 / 673 0008 91	(20.0) / (0.0801) =	430.1	2 = 419.9	
				3 = 424.4	
				4 = 415.4	
				5 = 422.7	
				422.1	

Comments: _____

LDC #: 55048C4b

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 10/20/22

SDG #: 469273

Page: 1 of 1

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer: ATL

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	~~SW~~N	~~FB=6~~ 5
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(11,12), (3,4)
XI.	Target Analyte Quantitation	A	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-220915-L-LA	469273-002	Wipe	09/15/22
2	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-220915-L-LA	469273-005	Wipe	09/15/22
3	ARCH-C2E-INT-4.5 TO 5.5-220915-L-WF	469273-007	Wipe	09/15/22
4	ARCH-C2E-INT-4.5 TO 5.5-220915-L-DUP-WF	469273-008	Wipe	09/15/22
5	ARCH-C2E-PS-5.5-2202915-L-G	469273-010	Wipe	09/15/22
6	ARCH-C2E-DG-6 TO 6.5-220915-L-FB	469273-012	Wipe	09/15/22
7	AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-L-LA	469273-014	Wipe	09/15/22
8	AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-L-LA	469273-017	Wipe	09/15/22
9	AFRAME-C2E-LAT-L3-UP-C2.5-DG-220915-L-LA	469273-019	Wipe	09/15/22
10	AFRAME-C2E-MED-L3-DN-C2.4-DG-220915-L-LA	469273-021	Wipe	09/15/22
11	AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-L-WF	469273-023	Wipe	09/15/22
12	AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-L-DUP-WF	469273-024	Wipe	09/15/22
13	~~220915-L-MEDBLANK1~~	~~469270-021~~	~~Wipe~~	~~09/15/22~~
14	~~220915-L-MEDBLANK2~~	~~469270-024~~	~~Wipe~~	~~09/15/22~~
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	✓			
Were target analytes detected in the field duplicates?	✓			
XIII. Field Blanks				
Were field blanks identified in this SDG?	✓			
Were target analytes detected in the field blanks?	✓			

LDC #: 55048C4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	09/20/22	ICSA (10:30)	Pb	-0.006450 (≤ 0.00333)	6 to 12	no qual (sample interferents < ICSA)
	09/20/22	ICSA (11:51)	Pb	-0.003599 (< 0.00333)	1 to 5	no qual (sample interferents < ICSA)

Comments:

LDC#: 55048C4b

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: Metals (EPA Method 6010/6020/7000/200.7/200.8)

Analyte	Concentration (ug/ft2)		RPD	
	11	12		
Lead	70	82	16	

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Analyte	Concentration (ug/ft2)		RPD	
	3	4		
Lead	230	170	30	

Field Duplicate RPD Report

Lab Reporting Batch ID: 469273 **Laboratory: Enthalpy Orange**

EDD Filename: Prep469273 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C2E-INT-4.5 TO 5.5-220915-L-WF (TOT)	ARCH-C2E-INT-4.5 TO 5.5-220915-L-DUP-WF			
LEAD	230	170	30	100.00	No Qualifiers Applied

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-	AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-L-			
LEAD	70	82	16	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LDC #: 55048C4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATL

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{\text{Found}}{\text{True}} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration) 9/20 @ 10:20	Pb	1.018	1.000	102	102	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 9/20 @ 12:59	Pb	1.008	1.000	101	101	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: SSD48C4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	µg/kg Found / S / I (units)	µg/kg True / D / SDR (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check 9/20 @ 11:55	Pb	1.0180 mg/L	1.000 mg/L	102	102	Y
LCS	Laboratory control sample	Pb	105.964	100.000	106	106	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 55048C4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

Recalculation: #12

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

$0.818601 \times 100 = 81.8601$

#	Sample ID	Analyte	Reported Concentration (µg/L)	Calculated Concentration (µg/L)	Acceptable (Y/N)
	1	Pb	190	191.533	Y
	2	Pb	130	132.437	
	3	Pb	230	230.947	
	4	Pb	170	166.442	
	5	Pb	210	214.432	
	6	Pb	130	129.917	
	7	Pb	110	114.99	
	8	Pb	77	77.366	
	9	Pb	130	132.014	
	10	Pb	140	138.954	
	11	Pb	70	69.781	
	12	Pb	82	81.8601	

lote:

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

March 20, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on October 18, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #55188 RV1:

SDG #	Fraction
470417	Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

63 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 55188 (Rincon Consultants, Inc., Los Angeles, CA / Hanger 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix:	Water/Soil/Wipe			W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	470417	10/18/22	11/08/22	0	4	0	5																												
Total	TR/PG			0	4	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	9

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hanger 1 NTCRA\55188ST-Wipe.wpd

LDC Report# 55188A

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Group

470417

November 14, 2022

Introduction

This Data Validation Report (DVR) presents Stage 3 data validation results for samples collected during the October 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 3 data validation, which comprises an evaluation of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

No field blanks were identified in this SDG.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed. The lack of MS/MSD samples for wipe samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed. The lack of laboratory duplicate samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

One field duplicate pair was collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

All target analyte identifications met validation criteria in the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in this SDG.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 470417						
Method: 6010B						
ARCH-C1E-DG-1.5 TO 2-C1.3-DG-221007-L-LA	470417-002	WIPE	N	3050B	10/7/2022	S3VEM
ARCH-C2E-DG-1 TO 1.5-UP-C2.6-HS-221007-L-LA	470417-009	WIPE	N	3050B	10/7/2022	S3VEM
ARCH-C2E-DG-2 TO 2.5-DG-221007-L-DUP-FB	470417-007	WIPE	FD	3050B	10/7/2022	S3VEM
ARCH-C2E-DG-2 TO 2.5-DG-221007-L-FB	470417-006	WIPE	N	3050B	10/7/2022	S3VEM
ARCH-C2E-EXT-1 TO 2-221007-L-WF	470417-004	WIPE	N	3050B	10/7/2022	S3VEM
Method: 8082						
ARCH-C1E-DG-1.5 TO 2-C1.3-DG-221007-P-LA	470417-001	WIPE	N	3572M	10/7/2022	S3VEM
ARCH-C2E-DG-1 TO 1.5-UP-C2.6-HS-221007-P-LA	470417-008	WIPE	N	3572M	10/7/2022	S3VEM
ARCH-C2E-DG-2 TO 2.5-DG-221007-P-FB	470417-005	WIPE	N	3572M	10/7/2022	S3VEM
ARCH-C2E-EXT-1 TO 2-221007-P-WF	470417-003	WIPE	N	3572M	10/7/2022	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (11/11/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 470417

Laboratory: Enthalpy Orange

EDD Filename: Prep470417

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

470417

LDC #: 55188A3b

SDG #: 470417

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 10/30/22

Page: 1 of 1

Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	Initial calibration/ICV	A/A	%RSD/ICV ≤ 20
III.	Continuing calibration	A	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	~~N~~ A	[illegible]
VI.	Surrogate spikes 1/4	A/A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS/D
IX.	Field duplicates	N	
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1E-DG-1.5 TO 2-C1.3-DG-221007-P-LA	470417-001	Wipe	10/07/22
2	ARCH-C2E-EXT-1 TO 2-221007-P-WF	470417-003	Wipe	10/07/22
3	ARCH-C2E-DG-2 TO 2.5-DG-221007-P-FB	470417-005	Wipe	10/07/22
4	ARCH-C2E-DG-1 TO 1.5-UP-C2.6-HS-221007-P-LA	470417-008	Wipe	10/07/22
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

	29855 1						

LDC #: 95188A36 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: FT

Method: ✓GC __HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?	✓			
Were target analytes detected in the field blanks?		✓		
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 55188A36

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT
2nd Reviewer:

METHOD: GC ✓ HPLC ____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (500 std)	Recalculated CF (500 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	9/14/22	Aroclor 1260-1 col 1	0.0620	0.0620	0.0588	0.0588	15	15
			Aroclor 1260-1 col 2	0.0726	0.0726	0.0693	0.0693	14.4336	14.4336
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55188 A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	ccv	10/11/22 1408	1260 col A	500.0	540.9	540.9	8	8
			col B	↓	448.2	448.2	10	10
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55188A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	col B	50	35.7657	72	72	0
DCB	↓	↓	29.9267	60	60	↓

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C`	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 55188A3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC __HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample

SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 298551 LCSIP

Compound	Spike Added (ug/100cm²)		Spike Sample Concentration (ug/100cm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.00	5.0	4.647	4.195	~~4.195~~ 93	93	84	84	10	10

Comments: _____

LDC #: 55188A3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: ✓ **GC** __ **HPLC**

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 298551 (C) Aroclor 1260

Concentration = $\frac{(4.6472)(10)}{(C1)(sample)(1000)}$ = 4.647 ug/100 cm^2

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm^2)	Recalculated Results Concentrations (ug/100 cm^2)	Qualifications
			4.647	4.647	
				1260-1 =	444.70
	1260-1 = $\frac{1343666}{8720065.90}\frac{1.917}{(0.0693}\frac{(20.0}{)}$		= 444.70	2 =	476.3
				3 =	475.8
				4 =	470.8
				5 =	456.0
					464.72

Comments: _____

LDC #: 55188A4b

SDG #: 470417

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 11/9/22

Page: 1 of 1

Reviewer: ATV

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD (3,4)
X.	Field Duplicates	SW	
XI.	Target Analyte Quantitation	A	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1E-DG-1.5 TO 2-C1.3-DG-221007-L-LA	470417-002	Wipe	10/07/22
2	ARCH-C2E-EXT-1 TO 2-221007-L-WF	470417-004	Wipe	10/07/22
3	ARCH-C2E-DG-2 TO 2.5-DG-221007-L-FB	470417-006	Wipe	10/07/22
4	ARCH-C2E-DG-2 TO 2.5-DG-221007-L-DUP-FB	470417-007	Wipe	10/07/22
5	ARCH-C2E-DG-1 TO 1.5-UP-C2.6-HS-221007-L-LA	470417-009	Wipe	10/07/22
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	✓			
Were target analytes detected in the field duplicates?	✓			
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 55188A4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	10/11/22	ICSA (09:44)	Pb	-0.009946 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments:

Field Duplicate RPD Report

Lab Reporting Batch ID: 470417 **Laboratory: Enthalpy Orange**

EDD Filename: Prep470417 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C2E-DG-2 TO 2.5-DG-221007-L-FB	ARCH-C2E-DG-2 TO 2.5-DG-221007-L-DUP-			
LEAD	250	250	0	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LDC#: 55188A4b

VALIDATION FINDINGS WORKSHEET
Field Duplicates

METHOD: Metals (EPA Method 6010/6020/7000/200.7/200.8)

Analyte	Concentration (ug/ft2)		RPD	
	3	4		
Lead	250	250	0	

\\LDCFILESERVER\Validation\FIELD DUPLICATES\Field Duplicates\FD_inorganic\2022\55188A4b.wpd

LDC #: 55188A46

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found x 100 / True

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	0.942234	1.000	94	94	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 10/11 @ 13:16	Pb	0.983996	1.000	98	98	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 55188A46

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (µg/Kg) (units)	True / D / SDR (µg/Kg) (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	0.93534 mg/L	1.000 mg/L	94	94	Y
ICS	Laboratory control sample	Pb	108.549	100.00	109	109	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 55188A4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #5

$2.58701 \times (100/1.02) = 253.628$

#	Sample ID	Analyte	Reported Concentration (ug/L)	Calculated Concentration (ug/L)	Acceptable (Y/N)
	1	Pb	370	368.766	Y
	2	Pb	250	254.181	Y
	3	Pb	250	254.143	Y
	4	Pb	250	252.379	Y
	5	Pb	250	253.628	Y

Note: _____

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

May 23, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on October 20, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #55216 RV2:

SDG #	Fraction
470422 470473	Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 2A & 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

51 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 55216 (Rincon Consultants, Inc., Los Angeles, CA / Hanger 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																															
Matrix:	Water/Soil/Wipe			W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	470422	10/20/22	11/10/22	0	17	0	16																														
B	470473	10/20/22	11/10/22	0	14	0	15																														

LDC Report# 55216_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

470422
470473

May 23, 2023

Introduction

This Data Validation Report (DVR) presents Stage 2A data validation results for samples collected during the October 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Laboratory Blanks

Laboratory blanks were performed as required by the method. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
Two media blanks were collected and analyzed. No contaminants were found.

6010B
Two media blanks were collected and analyzed. One media blank had detections for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the media blank, therefore no data were qualified. The details are presented in Enclosure I.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed. The lack of MS/MSD samples for wipe samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed. The lack of laboratory duplicate samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
Three field duplicate pairs were collected and analyzed. No contaminants were found.
6010B

Two field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

SDG 470422
The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements in the UFP-QAPP for Hangar 1 NTCRA (EKI, 2022).

SDG 470473
8082
The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements in the UFP-QAPP for Hangar 1 NTCRA (EKI, 2022).

6010B
The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 470422						
Method: 6010B						
221007-L-MEDBLANK1	470422-031	WIPE	FB	3050B	10/7/2022	S2AVE
ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-L-LA	470422-003	WIPE	N	3050B	10/7/2022	S2AVE
ARCH-C1E-DG-2.5 TO 3-DN-C1.5-VS-221007-L-LA	470422-005	WIPE	N	3050B	10/7/2022	S2AVE
ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221007-L-LA	470422-011	WIPE	N	3050B	10/7/2022	S2AVE
ARCH-C1E-DG-3 TO 3.5-DN-C1.6-DG-221007-L-LA	470422-009	WIPE	N	3050B	10/7/2022	S2AVE
ARCH-C1E-DG-3 TO 3.5-UP-C1.6-HS-221007-L-LA	470422-007	WIPE	N	3050B	10/7/2022	S2AVE
ARCH-C2E-DG-2 TO 2.5-221007-L-FB	470422-013	WIPE	N	3050B	10/7/2022	S2AVE
ARCH-C2E-DG-2 TO 2.5-UP-C2.4-HS-221007-L-LA	470422-020	WIPE	N	3050B	10/7/2022	S2AVE
ARCH-C2E-DG-2.5 TO 3-DN-C2.3-VS-221007-L-LA	470422-024	WIPE	N	3050B	10/7/2022	S2AVE
ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221007-L-LA	470422-022	WIPE	N	3050B	10/7/2022	S2AVE
ARCH-C2E-DG-3 TO 3.5-221007-L-FB	470422-018	WIPE	N	3050B	10/7/2022	S2AVE
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-L-DUP-LA	470422-029	WIPE	FD	3050B	10/7/2022	S2AVE
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-L-LA	470422-028	WIPE	N	3050B	10/7/2022	S2AVE
ARCH-C2E-DG-3 TO 3.5-UP-C2.1-HS-221007-L-LA	470422-026	WIPE	N	3050B	10/7/2022	S2AVE
ARCH-C2E-EXT-3 TO 4-221007-L-WF	470422-032	WIPE	N	3050B	10/7/2022	S2AVE
ARCH-C2E-PS-2.5-221007-L-G	470422-015	WIPE	N	3050B	10/7/2022	S2AVE
Method: 8082						
221007-P-MEDBLANK1	470422-030	WIPE	FB	3572M	10/7/2022	S2AVE
ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-P-DUP-LA	470422-002	WIPE	FD	3572M	10/7/2022	S2AVE
ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-P-LA	470422-001	WIPE	N	3572M	10/7/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
ARCH-C1E-DG-2.5 TO 3-DN-C1.5-VS-221007-P-LA	470422-004	WIPE	N	3572M	10/7/2022	S2AVE
ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221007-P-LA	470422-010	WIPE	N	3572M	10/7/2022	S2AVE
ARCH-C1E-DG-3 TO 3.5-DN-C1.6-DG-221007-P-LA	470422-008	WIPE	N	3572M	10/7/2022	S2AVE
ARCH-C1E-DG-3 TO 3.5-UP-C1.6-HS-221007-P-LA	470422-006	WIPE	N	3572M	10/7/2022	S2AVE
ARCH-C2E-DG-2 TO 2.5-221007-P-FB	470422-012	WIPE	N	3572M	10/7/2022	S2AVE
ARCH-C2E-DG-2 TO 2.5-UP-C2.4-HS-221007-P-LA	470422-019	WIPE	N	3572M	10/7/2022	S2AVE
ARCH-C2E-DG-2.5 TO 3-DN-C2.3-VS-221007-P-LA	470422-023	WIPE	N	3572M	10/7/2022	S2AVE
ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221007-P-LA	470422-021	WIPE	N	3572M	10/7/2022	S2AVE
ARCH-C2E-DG-3 TO 3.5-221007-P-DUP-FB	470422-017	WIPE	FD	3572M	10/7/2022	S2AVE
ARCH-C2E-DG-3 TO 3.5-221007-P-FB	470422-016	WIPE	N	3572M	10/7/2022	S2AVE
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-P-LA	470422-027	WIPE	N	3572M	10/7/2022	S2AVE
ARCH-C2E-DG-3 TO 3.5-UP-C2.1-HS-221007-P-LA	470422-025	WIPE	N	3572M	10/7/2022	S2AVE
ARCH-C2E-EXT-3 TO 4-221007-P-WF	470422-033	WIPE	N	3572M	10/7/2022	S2AVE
ARCH-C2E-PS-2.5-221007-P-G	470422-014	WIPE	N	3572M	10/7/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 470473						
Method: 6010B						
221008-L-MEDBLANK2	470473-029	WIPE	FB	3050B	10/8/2022	S2AVE
ARCH-C1W-DG-2 TO 2.5-UP-C1.3-HS-221008-L-LA	470473-002	WIPE	N	3050B	10/8/2022	S2AVE
ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221008-L-LA	470473-004	WIPE	N	3050B	10/8/2022	S2AVE
ARCH-C1W-DG-3 TO 3.5-DN-C1.4-DG-221008-L-LA	470473-008	WIPE	N	3050B	10/8/2022	S2AVE
ARCH-C1W-DG-3 TO 3.5-DN-C1.4-VS-221008-L-LA	470473-010	WIPE	N	3050B	10/8/2022	S2AVE
ARCH-C1W-DG-3 TO 3.5-UP-C1.6-HS-221008-L-LA	470473-006	WIPE	N	3050B	10/8/2022	S2AVE
ARCH-C2W-DG-2.5 TO 3-DN-C2.3-VS-221008-L-LA	470473-022	WIPE	N	3050B	10/8/2022	S2AVE
ARCH-C2W-DG-3 TO 3.5-221008-L-DUP-FB	470473-018	WIPE	FD	3050B	10/8/2022	S2AVE
ARCH-C2W-DG-3 TO 3.5-221008-L-FB	470473-017	WIPE	N	3050B	10/8/2022	S2AVE
ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-L-LA	470473-027	WIPE	N	3050B	10/8/2022	S2AVE
ARCH-C2W-DG-3 TO 3.5-UP-C2.1-HS-221008-L-LA	470473-024	WIPE	N	3050B	10/8/2022	S2AVE
ARCH-C2W-INT-1.5 TO 2.5-221008-L-DUP-WF	470473-013	WIPE	FD	3050B	10/8/2022	S2AVE
ARCH-C2W-INT-1.5 TO 2.5-221008-L-WF	470473-012	WIPE	N	3050B	10/8/2022	S2AVE
ARCH-C2W-PS-3.5-221008-L-FB	470473-020	WIPE	N	3050B	10/8/2022	S2AVE
ARCH-C2W-PS-3-221008-L-G	470473-015	WIPE	N	3050B	10/8/2022	S2AVE
Method: 8082						
221008-P-MEDBLANK2	470473-028	WIPE	FB	3572M	10/8/2022	S2AVE
ARCH-C1W-DG-2 TO 2.5-UP-C1.3-HS-221008-P-LA	470473-001	WIPE	N	3572M	10/8/2022	S2AVE
ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221008-P-LA	470473-003	WIPE	N	3572M	10/8/2022	S2AVE
ARCH-C1W-DG-3 TO 3.5-DN-C1.4-DG-221008-P-LA	470473-007	WIPE	N	3572M	10/8/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
ARCH-C1W-DG-3 TO 3.5-DN-C1.4-VS-221008-P-LA	470473-009	WIPE	N	3572M	10/8/2022	S2AVE
ARCH-C1W-DG-3 TO 3.5-UP-C1.6-HS-221008-P-LA	470473-005	WIPE	N	3572M	10/8/2022	S2AVE
ARCH-C2W-DG-2.5 TO 3-DN-C2.3-VS-221008-P-LA	470473-021	WIPE	N	3572M	10/8/2022	S2AVE
ARCH-C2W-DG-3 TO 3.5-221008-P-FB	470473-016	WIPE	N	3572M	10/8/2022	S2AVE
ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-P-DUP-LA	470473-026	WIPE	FD	3572M	10/8/2022	S2AVE
ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-P-LA	470473-025	WIPE	N	3572M	10/8/2022	S2AVE
ARCH-C2W-DG-3 TO 3.5-UP-C2.1-HS-221008-P-LA	470473-023	WIPE	N	3572M	10/8/2022	S2AVE
ARCH-C2W-INT-1.5 TO 2.5-221008-P-WF	470473-011	WIPE	N	3572M	10/8/2022	S2AVE
ARCH-C2W-PS-3.5-221008-P-FB	470473-019	WIPE	N	3572M	10/8/2022	S2AVE
ARCH-C2W-PS-3-221008-P-G	470473-014	WIPE	N	3572M	10/8/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 470422

EDD Filename: Prep470422

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 470473

EDD Filename: 470473

Laboratory: Enthalpy Orange

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

470422

LDC #: 55216A3b
SDG #: 470422
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 11/3/2022
Page: of
Reviewer: BM
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	ND	FB = 16
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	~~SW~~ND	FD = 3, 10/9
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-P-LA	470422-001	Wipe	10/07/22
2	ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-P-DUP-LA	470422-002	Wipe	10/07/22
3	ARCH-C1E-DG-2.5 TO 3-DN-C1.5-VS-221007-P-LA	470422-004	Wipe	10/07/22
4	ARCH-C1E-DG-3 TO 3.5-UP-C1.6-HS-221007-P-LA	470422-006	Wipe	10/07/22
5	ARCH-C1E-DG-3 TO 3.5-DN-C1.6-DG-221007-P-LA	470422-008	Wipe	10/07/22
6	ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221007-P-LA	470422-010	Wipe	10/07/22
7	ARCH-C2E-DG-2 TO 2.5-221007-P-FB	470422-012	Wipe	10/07/22
8	ARCH-C2E-PS-5.5-221007-P-G	470422-014	Wipe	10/07/22
9	ARCH-C2E-DG-3 TO 3.5-221007-P-FB	470422-016	Wipe	10/07/22
10	ARCH-C2E-DG-3 TO 3.5-221007-P-DUP-FB	470422-017	Wipe	10/07/22
11	ARCH-C2E-DG-2 TO 2.5-UP-C2.4-HS-221007-P-LA	470422-019	Wipe	10/07/22
12	ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221007-P-LA	470422-021	Wipe	10/07/22
13	ARCH-C2E-DG-2.5 TO 3-DN-C2.3-VS-221007-P-LA	470422-023	Wipe	10/07/22
14	ARCH-C2E-DG-3 TO 3.5-UP-C2.1-HS-221007-P-LA	470422-025	Wipe	10/07/22
15	ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-P-LA	470422-027	Wipe	10/07/22
16	221007-P-MEDBLANK1	470422-030	Wipe	10/07/22
17	ARCH-C2E-DG-EXT-3 TO 4-221007-P-WF	470422-033	Wipe	10/07/22

LDC #: 55216A3b

SDG #: 470422

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date:_____

Page:__of___

Reviewer:_____

2nd Reviewer:_____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18				
19				
20				

Notes:

LDC #: 55216A4b

SDG #: 470422

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 1/3/2022

Page: __ of __

Reviewer: MM

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	ND	FB= 15
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD= 14/13
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221007-L-LA	470422-003	Wipe	10/07/22
2	ARCH-C1E-DG-2.5 TO 3-DN-C1.5-VS-221007-L-LA	470422-005	Wipe	10/07/22
3	ARCH-C1E-DG-3 TO 3.5-UP-C1.6-HS-221007-L-LA	470422-007	Wipe	10/07/22
4	ARCH-C1E-DG-3 TO 3.5-DN-C1.6-DG-221007-L-LA	470422-009	Wipe	10/07/22
5	ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221007-L-LA	470422-011	Wipe	10/07/22
6	ARCH-C2E-DG-2 TO 2.5-221007-L-FB	470422-013	Wipe	10/07/22
7	ARCH-C2E-PS-5.5-221007-L-G	470422-015	Wipe	10/07/22
8	ARCH-C2E-DG-3 TO 3.5-221007-L-FB	470422-018	Wipe	10/07/22
9	ARCH-C2E-DG-2 TO 2.5-UP-C2.4-HS-221007-L-LA	470422-020	Wipe	10/07/22
10	ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221007-L-LA	470422-022	Wipe	10/07/22
11	ARCH-C2E-DG-2.5 TO 3-DN-C2.3-VS-221007-L-LA	470422-024	Wipe	10/07/22
12	ARCH-C2E-DG-3 TO 3.5-UP-C2.1-HS-221007-L-LA	470422-026	Wipe	10/07/22
13	ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-L-LA	470422-028	Wipe	10/07/22
14	ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221007-L-DUP-LA	470422-029	Wipe	10/07/22
15	221007-L-MEDBLANK1	470422-031	Wipe	10/07/22
16	ARCH-C2E-DG-EXT-3 TO 4-221007-L-WF	470422-032	Wipe	10/07/22
17				

LDC #: 55216A4b

SDG #: 470422

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date:

Page: of

Reviewer:

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18				
19				

Notes:

Field Duplicate RPD Report

Lab Reporting Batch ID: 470422 **Laboratory: Enthalpy Orange**

EDD Filename: Prep470422 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C2E-DG-3 TO 3.5-DN-C2.4-	ARCH-C2E-DG-3 TO 3.5-DN-C2.4-			
LEAD	420	280	40	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Quality Control
Outlier Reports

470473

LDC #: 55216B3b

SDG #: 470473

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 11/3/2022

Page: __ of __

Reviewer: MM

2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	ND	FB= 14
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	FD= 13/12
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-DG-2 TO 2.5-UP-C1.3-HS-221008-P-LA	470473-001	Wipe	10/08/22
2	ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221008-P-LA	470473-003	Wipe	10/08/22
3	ARCH-C1W-DG-3 TO 3.5-UP-C1.6-HS-221008-P-LA	470473-005	Wipe	10/08/22
4	ARCH-C1W-DG-3 TO 3.5-DN-C1.4-DG-221008-P-LA	470473-007	Wipe	10/08/22
5	ARCH-C1W-DG-3 TO 3.5-DN-C1.4-VS-221008-P-LA	470473-009	Wipe	10/08/22
6	ARCH-C2W-INT-1.5 TO 2.5-221008-P-WG	470473-011	Wipe	10/08/22
7	ARCH-C2W-PS-3-221008-P-G	470473-014	Wipe	10/08/22
8	ARCH-C2W-DG-3 TO 3.5-221008-P-FB	470473-016	Wipe	10/08/22
9	ARCH-C2W-PS-3.5-221008-P-FB	470473-019	Wipe	10/08/22
10	ARCH-C2W-DG-2.5 TO 3-DN-C2.3-VS-221008-P-LA	470473-021	Wipe	10/08/22
11	ARCH-C2W-DG-3 TO 3.5-UP-C2.1-HS-221008-P-LA	470473-023	Wipe	10/08/22
12	ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-P-LA	470473-025	Wipe	10/08/22
13	ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-P-DUP-LA	470473-026	Wipe	10/08/22
14	221008-P-MEDBLANK2	470473-028	Wipe	10/08/22
15				
16				
17				

LDC #: 55216B3b

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date:_____

SDG #: 470473

Page:___of___

Laboratory: Enthalpy Analytical, Orange, CA

Reviewer:_____

2nd Reviewer:_____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18				

Notes:

LDC #: 55216B4b

SDG #: 470473

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 11/3/2022

Page: of

Reviewer: BM

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	SW/ND	BM 5/23/2023
V.	Field Blanks	SW	FB= 15
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD = 10/9
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-DG-2 TO 2.5-UP-C1.3-HS-221008-L-LA	470473-002	Wipe	10/08/22
2	ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221008-L-LA	470473-004	Wipe	10/08/22
3	ARCH-C1W-DG-3 TO 3.5-UP-C1.6-HS-221008-L-LA	470473-006	Wipe	10/08/22
4	ARCH-C1W-DG-3 TO 3.5-DN-C1.4-DG-221008-L-LA	470473-008	Wipe	10/08/22
5	ARCH-C1W-DG-3 TO 3.5-DN-C1.4-VS-221008-L-LA	470473-010	Wipe	10/08/22
6	ARCH-C2W-INT-1.5 TO 2.5-221008-L-WG	470473-012	Wipe	10/08/22
7	ARCH-C2W-INT-1.5 TO 2.5-221008-L-DUP-WG	470473-013	Wipe	10/08/22
8	ARCH-C2W-PS-3-221008-L-G	470473-015	Wipe	10/08/22
9	ARCH-C2W-DG-3 TO 3.5-221008-L-FB	470473-017	Wipe	10/08/22
10	ARCH-C2W-DG-3 TO 3.5-221008-L-DUP-FB	470473-018	Wipe	10/08/22
11	ARCH-C2W-PS-3.5-221008-L-FB	470473-020	Wipe	10/08/22
12	ARCH-C2W-DG-2.5 TO 3-DN-C2.3-VS-221008-L-LA	470473-022	Wipe	10/08/22
13	ARCH-C2W-DG-3 TO 3.5-UP-C2.1-HS-221008-L-LA	470473-024	Wipe	10/08/22
14	ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221008-L-LA	470473-027	Wipe	10/08/22
15	221008-L-MEDBLANK2	470473-029	Wipe	10/08/22
16				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 470473

Laboratory: Enthalpy Orange

EDD Filename: Prep470473

Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	221008-L-MEDBLANK2	0.6	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 470473 **Laboratory: Enthalpy Orange**

EDD Filename: Prep470473 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C2W-DG-3 TO 3.5-221008-L-FB (TOT)	**ARCH-C2W-DG-3 TO 3.5-221008-L-DUP-FB**			
LEAD	290	380	27	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C2W-INT-1.5 TO 2.5-221008-L-WF (TOT)	**ARCH-C2W-INT-1.5 TO 2.5-221008-L-DUP-WF**			
LEAD	230	450	65	100.00	No Qualifiers Applied

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

June 6, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on October 21, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #55218 RV2:

SDG #	Fraction
470460	Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

84 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 55218 (Rincon Consultants, Inc., Los Angeles, CA / Hanger 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix:	Water/Soil/Wipe			W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	470460	10/21/22	11/11/22	0	7	0	6																												
Total	TR/PG			0	7	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	13

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hanger 1 NTCRA\55218ST-Wipe.wpd

LDC Report# 55218_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Group

470460

June 6, 2023

Introduction

This Data Validation Report (DVR) presents Stage 3 data validation results for samples collected during the October 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 3 data validation, which comprises an evaluation of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Laboratory Blanks

8082
Laboratory blanks were performed as required by the method. No contaminants were detected in the laboratory blanks, however, surrogate percent recoveries were low for one method blank for decachlorobiphenyl and tetrachloro-m-xylene.

6010B
Laboratory blanks were performed as required by the method. No contaminants were detected in the laboratory blanks.

Field Blanks

No field blanks were identified in this SDG.

Surrogate Spikes

8082
Surrogates were added to all samples and blanks as required by the method. All surrogate recoveries (%R) were within QC limits with the exception of one sample and one laboratory blank. The associated sample results were qualified as non-detected estimated (UJ) as applicable. The details regarding the qualification of data are presented in Enclosure I.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed. The lack of MS/MSD samples for wipe samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed. The lack of laboratory duplicate samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
One field duplicate pair was collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
No field duplicates were identified in this SDG.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals.

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in this SDG.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 470460						
Method: 6010B						
ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-L-LA	470460-003	WIPE	N	3050B	10/8/2022	S3VEM
ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-L-LA	470460-009	WIPE	N	3050B	10/8/2022	S3VEM
ARCH-C2W-DG-1.5 TO 2-221008-L-FB	470460-007	WIPE	N	3050B	10/8/2022	S3VEM
ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008-L-LA	470460-011	WIPE	N	3050B	10/8/2022	S3VEM
ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-L-LA	470460-013	WIPE	N	3050B	10/8/2022	S3VEM
ARCH-C2W-EXT-1 TO 2-221008-L-WF	470460-005	WIPE	N	3050B	10/8/2022	S3VEM
Method: 8082						
ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-P-DUP-LA	470460-002	WIPE	FD	3572M	10/8/2022	S3VEM
ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-P-LA	470460-001	WIPE	N	3572M	10/8/2022	S3VEM
ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-P-LA	470460-008	WIPE	N	3572M	10/8/2022	S3VEM
ARCH-C2W-DG-1.5 TO 2-221008-P-FB	470460-006	WIPE	N	3572M	10/8/2022	S3VEM
ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008-P-LA	470460-010	WIPE	N	3572M	10/8/2022	S3VEM
ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-P-LA	470460-012	WIPE	N	3572M	10/8/2022	S3VEM
ARCH-C2W-EXT-1 TO 2-221008-P-WF	470460-004	WIPE	N	3572M	10/8/2022	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (11/23/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 470460 **Laboratory: Enthalpy Orange**

EDD Filename: Prep470460 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-P-LA **Collected:** 10/8/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.50	CRQL	0.50	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1221	0.50	U	0.50	CRQL	0.50	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1232	0.50	U	0.50	CRQL	0.50	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1242	0.50	U	0.50	CRQL	0.50	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1248	0.50	U	0.50	CRQL	0.50	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1254	0.50	U	0.50	CRQL	0.50	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1260	0.50	U	0.50	CRQL	0.50	CRQL	ug/100 cm2	UJ	Surr
Aroclor-1262	0.50	U	0.50	CRQL	0.50	CRQL	ug/100 cm2	UJ	Surr
AROCLOR-1268	0.50	U	0.50	CRQL	0.50	CRQL	ug/100 cm2	UJ	Surr

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 470460 **Laboratory: Enthalpy Orange**

EDD Filename: Prep470460 **eQAPP Name:**

Reason Code Legend

Reason Code	*Description*
Surr	Surrogate/Tracer Recovery Lower Estimation

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

470460

LDC #: 55218A3b

SDG #: 470460

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 10/31/22

Page: 1 of 1

Reviewer: [illegible]

2nd Reviewer: [illegible]

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A	
II.	Initial calibration/ICV	A	%D ≤20
III.	Continuing calibration	A	CCV ≤20
IV.	Laboratory Blanks	A	
V.	Field blanks	~~AN~~	~~FB = 1~~ [illegible] 11/23/2022
VI.	Surrogate spikes /13	SW	#12 - SURR - UJ
VII.	Matrix spike/Matrix spike duplicates	N	LCS
VIII.	Laboratory control samples	A	LCSD
IX.	Field duplicates	ND	D = 1,2
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-P-LA	470460-001	Wipe	10/08/22
2	ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-P-DUP-LA	470460-002	Wipe	10/08/22
3	ARCH-C2W-EXT-1 TO 2-221008-P-WF	470460-004	Wipe	10/08/22
4	ARCH-C2W-DG-1.5 TO 2-221008-P-FB	470460-006	Wipe	10/08/22
5	ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-P-LA	470460-008	Wipe	10/08/22
6	ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008-P-LA	470460-010	Wipe	10/08/22
7	ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-P-LA	470460-012	Wipe	10/08/22
8				
9				
10				
11				
12				
13				

Notes:

2987136

LDC #: 59218A36 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: FT

Method: ✓GC __HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) < 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?	✓			NOFB [illegible] 11/23/2021
Were target analytes detected in the field blanks?		✓		
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			

Validation Area	Yes	No	NA	Findings/Comments
IX. Field duplicates				
Were field duplicate pairs identified in this SDG?	✓			
Were target analytes detected in the field duplicates?		✓		
X. Target analyte quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were analyte quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target analyte identification				
Were the retention times of reported detects within the RT windows?	✓			
Were manual integrations reviewed and found acceptable?	✓			
Did the laboratory provide before and after integration printouts?		✓	✓	
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 55218A3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Page: ___ of ___
Reviewer: FT
2nd Reviewer: _____

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (500 std)	Recalculated CF (500 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	9/14/22	Aroclor 1260 col A	0.0620	0.0620	0.0584	0.0584	16.9968	16.9968
			col B	0.0726	0.0726	0.0693	0.0693	14.4336	14.4336
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55218A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the target analytes identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of target analyte
C = Concentration of target analyte

#	Standard ID	Calibration Date	Target Analyte	Average CF(Ical)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	ccv	10/12/22	Aroclor 1260 col A	500.0	500.1	500.1	0	0
			↓ col B	↓	469.3	469.3	6	6
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55218A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	co/B	50.0	37.6991	75	75	0
DCB	↓	↓	35.9719	72	72	0

Sample ID:

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 55218A36

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ **GC** __ **HPLC**

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the target analytes identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample

SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 298736 LCS ID

Compound	Spike Added (ug/100cm²)		Spike Sample Concentration (ug/100)cm²		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	4.085	4.644	82	82	93	93	13	13

Comments: _____

LDC #: 55218A3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte in the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 298736-1 (lcs) Aroclor 1260

Concentration = $\frac{408.48\ (ug)}{(1)(1000)(sample)}$ =

= 4.0848

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm²)	Recalculated Results Concentrations (ug/100 cm²)	Qualifications
	lcs	Aroclor 1260	4.085	4.0848	
	1260-1 = $\frac{15352210.4\ (20)}{10303701.2\ (0.0693)}$ =		430.0	1260-1 = 430.0	
				2 = 420.6	
				3 = 430.8	
				4 = 389.4	
				5 = 341.2	
				408.48	

Comments: _____

LDC #: 55218A4b

SDG #: 470460

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 11/17/22

Page: 1 of 1

Reviewer: ATL

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-DG-1 TO 1.5-UP-C1.1-DG-221008-L-LA	470460-003	Wipe	10/08/22
2	ARCH-C2W-EXT-1 TO 2-221008-L-WF	470460-005	Wipe	10/08/22
3	ARCH-C2W-DG-1.5 TO 2-221008-L-FB	470460-007	Wipe	10/08/22
4	ARCH-C2W-DG-1 TO 1.5-UP-C2.6-DG-221008-L-LA	470460-009	Wipe	10/08/22
5	ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221008-L-LA	470460-011	Wipe	10/08/22
6	ARCH-C2W-DG-2 TO 2.5-UP-C2W-DG-221008-L-LA	470460-013	Wipe	10/08/22
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?		✓		
Were target analytes detected in the field duplicates?			✓	
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 55218A4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	10/12/22	ICSA (11:01)	Pb	0.004081 (< 0.003333)	all	no qual (sample interferents < ICSA)

Comments:

LDC #: 55218A4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found x 100 / True

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (~~ug/L~~ mg/L)	True (~~ug/L~~ mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	0.9776	1.000	98	98	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 12/10 @ 13:07	Pb	0.9963	1.000	100	100	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 55218A4b

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units) µg/kg	True / D / SDR (units) µg/kg	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	0.9655 mg/L	1.000 mg/L	97	97	Y
LCS	Laboratory control sample	Pb	110.218	100.00	110	110	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 55218A4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #5

$1.982186 \times (100/1.02) = 194.332$

#	Sample ID	Analyte	Reported Concentration µg/kg	Calculated Concentration µg/kg	Acceptable (Y/N)
	1	Pb	210	212.702	Y
	2	Pb	290	289.141	Y
	3	Pb	130	134.812	Y
	4	Pb	170	168.341	Y
	5	Pb	190	194.332	Y
	6	Pb	130	125.316	Y

Note:

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Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

November 9, 2022

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fraction listed below. This SDG was received on October 26, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #55256:

SDG #	Fraction
470903	Lead

The data validation was performed under Stage 2A guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

8 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 55256 (Rincon Consultants, Inc., Los Angeles, CA / Hanger 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	Pb (6010B)																															
Matrix: Water/Soil/Wipe				W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	470903	10/26/22	11/16/22	0	4																														

LDC Report# 55256

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Group

470903

November 9, 2022

Introduction

This Data Validation Report (DVR) presents Stage 2A data validation results for samples collected during the October 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following method:

Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Laboratory Blanks

Laboratory blanks were performed as required by the method. No contaminants were detected in the laboratory blanks.

Field Blanks

No field blanks were identified in this SDG.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these method, and therefore matrix spike and matrix spike duplicate analyses were not performed. The lack of MS/MSD samples for wipe samples is consistent with the UFP-QAPP for Hangar 1 NTCRA (EKI, 2022).

Duplicate Sample Analysis

The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed. The lack of laboratory duplicate samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

One field duplicate pair was collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals(EKI, 2022).

Overall Assessment of Data

The analyses were conducted within all specifications of the method. No results were rejected in this SDG.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (11/7/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 470903						
Method: 6010B						
ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221014-L-LA	470903-008	WIPE	N	3050B	10/14/2022	S2AVE
ARCH-C2E-DG-3 TO 3.5-221014-L-FB	470903-003	WIPE	N	3050B	10/14/2022	S2AVE
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-L-DUP-LA	470903-006	WIPE	FD	3050B	10/14/2022	S2AVE
ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-L-LA	470903-005	WIPE	N	3050B	10/14/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (11/7/2022) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 470903

Laboratory: Enthalpy Orange

EDD Filename: Prep470903

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

470903

Field Duplicate RPD Report

Lab Reporting Batch ID: 470903 **Laboratory: Enthalpy Orange**

EDD Filename: Prep470903 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C2E-DG-3 TO 3.5-DN-C2.4-	ARCH-C2E-DG-3 TO 3.5-DN-C2.4-			
LEAD	11	14	24	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LDC #: 55256A4b

SDG #: 470903

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 11/7/2022

Page: of

Reviewer: BM

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD= 3/2
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C2E-DG-3 TO 3.5-221014-L-FB	470903-003	Wipe	10/14/22
2	ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-L-LA	470903-005	Wipe	10/14/22
3	ARCH-C2E-DG-3 TO 3.5-DN-C2.4-VS-221014-L-DUP-LA	470903-006	Wipe	10/14/22
4	ARCH-C1E-DG-3 TO 3.5-DN-C1.4-VS-221014-L-LA	470903-008	Wipe	10/14/22
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

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Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA - 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

March 20, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. This SDG was received on November 11, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #55378 RV1:

SDG #	Fraction
471955 471964	Polychlorinated Biphenyls, Lead

The data validation was performed under Stage 3 guidelines. The analyses were validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
Project Manager/Senior Chemist
pgeng@lab-data.com

73 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 55378 (Rincon Consultants, Inc., Los Angeles, CA / Hanger 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix:	Water/Soil/Wipe			W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	471955	11/11/22	12/06/22	0	6	0	6																												
B	471964	11/11/22	12/06/22	0	8	0	8																												
Total	TR/PG			0	14	0	14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	28

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hanger 1 NTCRA\55378ST-Wipe.wpd

LDC Report# 55378

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

471955
471964

December 9, 2022

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the November 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
One media blank was collected and analyzed. No contaminants were found.

6010B
One media blank was collected and analyzed. No contaminants were found.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed. The lack of MS/MSD samples for wipe samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed. The lack of laboratory duplicate samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
Two field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Two field duplicate pairs were collected and analyzed. Two field duplicate pairs had detections for lead. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. While the reporting limits were not achieved in accordance with the UFP-QAPP, the achieved reporting limits are acceptable with respect to the Cleanup Goals (EKI, 2022).

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 471955						
Method: 6010B						
ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-L-LA	471955-003	WIPE	N	3050B	11/1/2022	S3VEM
ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-L-LA	471955-005	WIPE	N	3050B	11/1/2022	S3VEM
ARCH-C2W-DG-5 TO 5.5-221101-L-FB	471955-012	WIPE	N	3050B	11/1/2022	S3VEM
ARCH-C2W-INT-4.5 TO 5.5-221101-L-DUP-WF	471955-010	WIPE	FD	3050B	11/1/2022	S3VEM
ARCH-C2W-INT-4.5 TO 5.5-221101-L-WF	471955-009	WIPE	N	3050B	11/1/2022	S3VEM
ARCH-C2W-PS-4.5-221101-L-G	471955-007	WIPE	N	3050B	11/1/2022	S3VEM
Method: 8082						
ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-P-DUP-LA	471955-002	WIPE	FD	3572M	11/1/2022	S3VEM
ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-P-LA	471955-001	WIPE	N	3572M	11/1/2022	S3VEM
ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-P-LA	471955-004	WIPE	N	3572M	11/1/2022	S3VEM
ARCH-C2W-DG-5 TO 5.5-221101-P-FB	471955-011	WIPE	N	3572M	11/1/2022	S3VEM
ARCH-C2W-INT-4.5 TO 5.5-221101-P-WF	471955-008	WIPE	N	3572M	11/1/2022	S3VEM
ARCH-C2W-PS-4.5-221101-P-G	471955-006	WIPE	N	3572M	11/1/2022	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (3/15/2023) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 471964						
Method: 6010B						
221101-L-MEDBLANK1	471964-014	WIPE	FB	3050B	11/1/2022	S2AVE
ARCH-C1W-DG-5 TO 5.5-DN-C1.5-DG-221101-L-LA	471964-002	WIPE	N	3050B	11/1/2022	S2AVE
ARCH-C2W-DG-6 TO 6.5-221101-L-DUP-FB	471964-010	WIPE	FD	3050B	11/1/2022	S2AVE
ARCH-C2W-DG-6 TO 6.5-221101-L-FB	471964-009	WIPE	N	3050B	11/1/2022	S2AVE
ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-L-LA	471964-007	WIPE	N	3050B	11/1/2022	S2AVE
ARCH-C2W-EXT-7 TO 8-221101-L-WF	471964-015	WIPE	N	3050B	11/1/2022	S2AVE
ARCH-C2W-PS-5.5-221101-L-G	471964-004	WIPE	N	3050B	11/1/2022	S2AVE
ARCH-C2W-PS-6.5-221101-L-G	471964-012	WIPE	N	3050B	11/1/2022	S2AVE
Method: 8082						
221101-P-MEDBLANK1	471964-013	WIPE	FB	3572M	11/1/2022	S2AVE
ARCH-C1W-DG-5 TO 5.5-DN-C1.5-DG-221101-P-LA	471964-001	WIPE	N	3572M	11/1/2022	S2AVE
ARCH-C2W-DG-6 TO 6.5-221101-P-FB	471964-008	WIPE	N	3572M	11/1/2022	S2AVE
ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-P-DUP-LA	471964-006	WIPE	FD	3572M	11/1/2022	S2AVE
ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-P-LA	471964-005	WIPE	N	3572M	11/1/2022	S2AVE
ARCH-C2W-EXT-7 TO 8-221101-P-WF	471964-016	WIPE	N	3572M	11/1/2022	S2AVE
ARCH-C2W-PS-5.5-221101-P-G	471964-003	WIPE	N	3572M	11/1/2022	S2AVE
ARCH-C2W-PS-6.5-221101-P-G	471964-011	WIPE	N	3572M	11/1/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 471955

Laboratory: Enthalpy Orange

EDD Filename: Prep471955

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 471964

Laboratory: Enthalpy Orange

EDD Filename: Prep471964

eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

471955

LDC #: 55378A3b
SDG #: 471955
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 11/22/22
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Initial calibration/ICV	A/A	%D RSD/ICV ≤ 20
III.	Continuing calibration	A	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 14	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	LCS IP
IX.	Field duplicates	ND	D = 1,2
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID		Lab ID	Matrix	Date
1	ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-P-LA	D	471955-001	Wipe	11/01/22
2	ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-P-DUP-LA	D	471955-002	Wipe	11/01/22
3	ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-P-LA		471955-004	Wipe	11/01/22
4	ARCH-C2W-PS-4.5-221101-P-G		471955-006	Wipe	11/01/22
5	ARCH-C2W-INT-4.5 TO 5.5-221101-P-WF		471955-008	Wipe	11/01/22
6	ARCH-C2W-DG-5 TO 5.5-221101-P-FB		471955-011	Wipe	11/01/22
7					
8					
9					
10					
11					
12					
13					

Notes:

	300271						

LDC #: 55378A36 **VALIDATION FINDINGS CHECKLIST** Page: 1 of 2
Reviewer: FT

Method: ✓GC ___HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?			✓	
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?	✓			
IX. Field duplicates				

Were field duplicate pairs identified in this SDG?	✓			
Were target compounds detected in the field duplicates?		✓		
X. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 55378A3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (250 std)	Recalculated CF (250 std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICA L	11/5/22	1260-1 chA	0.0603	0.0603	0.0588	0.0588	12	12
			chB	0.0665	0.0665	0.0660	0.0660	16	16
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55378A3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC _____ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	11/6/22 1516	Aroclor 1260 chA	500.0	507.1	507.1	1	1
			chB	500.0	445.5	445.5	11	11
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55378A3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: # 1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch A	50.0	34.86	70	70	0
DCB	↓	↓	30.95	62	62	↓

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

LDC #: 55378A3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample
SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 300277 LCS ID

Compound	Spike Added (ug / 100 cm²) ✓		Spike Sample Concentration (ug / 100 cm²) ✓		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	5.063	4.572	101	101	91	91	10	10

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55378A3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds within 10% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. LCS 300277 Compound Name Aroclor 1260

Concentration = $\frac{506.254\ (10)}{(1000)\ (\text{sample})}$ =

= 5.0624 ug/100 cm^2

#	Sample ID	Compound	Reported Concentrations (ug/100) cm^2	Recalculated Results Concentrations (ug/100 cm^2	Qualifications
	LCS	Aroclor 1260	5.063	5.0624	
				1260-1 = 529.17	
	1260-1 = $\frac{4308971.52\ (20.0)}{2769694.68\ (0.0588)}$ = 529.17			2 = 511.6	
				3 = 513.2	
				4 = 514.9	
				5 = 462.4	
				506.254	

Comments: _____

LDC #: 55378A4b
SDG #: 471955
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 12/7/22
Page: 1 of 1
Reviewer: ATV
2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	D = 4, 5
XI.	Target Analyte Quantitation	A	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-DG-4 TO 4.5-UP-C1.1-VS-221101-L-LA	471955-003	Wipe	11/01/22
2	ARCH-C2W-DG-4 TO 4.5-DN-C2.6-DG-221101-L-LA	471955-005	Wipe	11/01/22
3	ARCH-C2W-PS-4.5-221101-L-G	471955-007	Wipe	11/01/22
4	ARCH-C2W-INT-4.5 TO 5.5-221101-L-WF D	471955-009	Wipe	11/01/22
5	ARCH-C2W-INT-4.5 TO 5.5-221101-L-DUP-WF D	471955-010	Wipe	11/01/22
6	ARCH-C2W-DG-5 TO 5.5-221101-L-FB	471955-012	Wipe	11/01/22
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	✓			
Were target analytes detected in the field duplicates?	✓			
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 55378A4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	11/03/22	ICSA (21:01)	Pb	-0.009710 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments:

Field Duplicate RPD Report

Lab Reporting Batch ID: 471955 **Laboratory: Enthalpy Orange**

EDD Filename: Prep471955 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C2W-INT-4.5 TO 5.5-221101-L-WF (TOT)	ARCH-C2W-INT-4.5 TO 5.5-221101-L-DUP-WF			
LEAD	120	110	9	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LDC#: 55378A4b

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: ATV

METHOD: Metals (EPA Method 6010/6020/7000/200.7/200.8)

Analyte	Concentration (ug/ft2)		RPD (≤ 50%)	
	4	5		
Lead	120	110	9	

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LDC #: 55378A46

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

Reviewer: ATL

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

$$\%R = \frac{Found}{True} \times 100$$

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	94.173	1.000	94	94	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 11/4 @ 01:45	Pb	0.9117	1.000	91	91	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 55378A46

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (units) mg/kg	True / D / SDR (units) mg/kg	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	0.9297 mg/L	1.000 mg/L	93	93	Y
LCS	Laboratory control sample	Pb	99.368	100.00	99	99	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 55378A4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Page: 1 of 1
Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

Recalculation: #1

$0.93438 \times \left(\frac{100}{1.02}\right) = 91.606$

#	Sample ID	Analyte	Reported Concentration (µg/kg)	Calculated Concentration (µg/kg)	Acceptable (Y/N)
	1	Pb	92	91.606	Y
	2	Pb	58	58.376	Y
	3	Pb	58	58.026	Y
	4	Pb	120	118.112	Y
	5	Pb	110	109.488	Y
	6	Pb	54	53.750	Y

lote:

Quality Control
Outlier Reports

471964

LDC #: 55378B3b
SDG #: 471964
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 12/8/2022
Page: ___ of ___
Reviewer: BM
2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	ND	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
IX.	Field duplicates	ND	
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-DG-5 TO 5.5-DN-C1.8-DG-221101-P-LA	471964-001	Wipe	11/01/22
2	ARCH-C2W-PS-5.5-221101-P-G	471964-003	Wipe	11/01/22
3	ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-P-LA	471964-005	Wipe	11/01/22
4	ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-P-DUP-LA	471964-006	Wipe	11/01/22
5	ARCH-C2W-DG-6 TO 6.5-221101-P-FB	471964-008	Wipe	11/01/22
6	ARCH-C2W-PS-6.5-221101-P-G	471964-011	Wipe	11/01/22
7	221101-P-MEDBLANK1	471964-013	Wipe	11/01/22
8	ARCH-C2W-EXT-7 TO 8-221101-P-WF	471964-016	Wipe	11/01/22
9				
10				
11				
12				
13				

Notes:

LDC #: 55378B4b

SDG #: 471964

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 12/8/2022

Page: ___ of ___

Reviewer: BM

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	ND	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD = 5/4
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-DG-5 TO 5.5-DN-C1.5-DG-221101-L-LA	471964-002	Wipe	11/01/22
2	ARCH-C2W-PS-5.5-221101-L-G	471964-004	Wipe	11/01/22
3	ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221101-L-LA	471964-007	Wipe	11/01/22
4	ARCH-C2W-DG-6 TO 6.5-221101-L-FB	471964-009	Wipe	11/01/22
5	ARCH-C2W-DG-6 TO 6.5-221101-L-DUP-FB	471964-010	Wipe	11/01/22
6	ARCH-C2W-PS-6.5-221101-L-G	471964-012	Wipe	11/01/22
7	221101-L-MEDBLANK1	471964-014	Wipe	11/01/22
8	ARCH-C2W-EXT-7 TO 8-221101-L-WF	471964-015	Wipe	11/01/22
9				
10				
11				
12				
13				
14				
15				

Notes: _____

Field Duplicate RPD Report

Lab Reporting Batch ID: 471964 **Laboratory: Enthalpy Orange**

EDD Filename: Prep471964 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C2W-DG-6 TO 6.5-221101-L-FB (TOT)	**ARCH-C2W-DG-6 TO 6.5-221101-L-DUP-FB**			
LEAD	8.8	100	168	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LABORATORY DATA CONSULTANTS, INC.
2701 Loker Ave. West, Suite 220, Carlsbad, CA 92010 Bus: 760-827-1100 Fax: 760-827-1099

Rincon Consultants, Inc.
250 E. 1st Street Suite 1400
Los Angeles, CA – 90012
ATTN: Mr. Ryan Thacher
rthacher@rinconconsultants.com

May 12, 2023

SUBJECT: Hangar 1 NTCRA - Data Validation

Dear Mr. Thacher,

Enclosed are the final validation reports for the fractions listed below. These SDGs were received on December 13, 2022. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #55624_RV3:

SDG #	**Fraction**
473361	Polychlorinated Biphenyls, Lead
473364	
473365	

The data validation was performed under Stage 2A & 3 guidelines. The analysis was validated using the following documents, as applicable to each method:

- USEPA National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020)
- USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020)
- EPA SW 846, Third Edition, Test Methods for Evaluating Solid Waste, update 1, July 1992; update IIA, August 1993; update II, September 1994; update IIB, January 1995; update III, December 1996; update IIIA, April 1998; IIIB, November 2004; update IV, February 2007; update V, July 2014; update VI, July 2018

Please feel free to contact us if you have any questions.

Sincerely,

Pei Geng
pgeng@lab-data.com
Project Manager/Senior Chemist

112 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 55624 (Rincon Consultants, Inc., Los Angeles, CA / Hangar 1 NTCRA)** **Project# 20-10491**

LDC	SDG#	DATE REC'D	(3) DATE DUE	PCBs (8082)		Pb (6010B)																													
Matrix: Water/Soil/Wipe				W	WP	W	WP	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S	W	S
A	473361	12/13/22	01/05/23	0	2	0	2																												
B	473364	12/13/22	01/05/23	0	6	0	6																												
C	473365	12/13/22	01/05/23	0	25	0	25																												
Total	TR/PG			0	33	0	33	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	66

Shaded cells indicate Stage 3 validation (all other cells are Stage 2A validation). Sample counts do not include MS, MSD, and DUP's. V:\LOGIN\Rincon\Moffett Field, Hangar 1 NTCRA\55624ST-Wipe.wpd

LDC Report# 55624

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

473361
473364
473365

January 17, 2023

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the November 2022 sampling period. Data validation was performed in accordance with a modified outline of the US Environmental Protection Agency (EPA) National Functional Guidelines (NFG) for Organic Superfund Methods Data Review (November 2020) and USEPA National Functional Guidelines (NFG) for Inorganic Superfund Methods Data Review (November 2020). Where specific guidance was not available, the data has been evaluated in a conservative manner consistent with industry standards using professional experience.

The analyses were performed by the following methods:

Polychlorinated Biphenyls (PCBs) by EPA SW 846 Method 8082
Lead by EPA SW 846 Method 6010B

Sample identifications, methods of analyses performed, and review levels on each sample are presented in Attachment 1. Overall data qualification summary is presented in Attachment 2. Automated Data Review outliers and manual data validation worksheets are presented in Enclosure I.

All sample results were subjected to Stage 2A data validation, which comprises an evaluation of quality control (QC) summary results. Selected samples were subjected to Stage 3 data validation as indicated on the Sample Summary Report. Stage 3 data validation is comprised of the QC summary forms as well as the raw data, to confirm sample quantitation and identification.

The following are definitions of the data qualifiers:

U Indicates the compound or analyte was analyzed for but not detected.

J Indicates an estimated value.

R Quality control indicates the data is not usable.

NJ Presumptive evidence of presence of the compound at an estimated quantity.

UJ Indicates the compound or analyte was analyzed for but not detected. The sample detection limit is an estimated value.

Sample Receipt & Technical Holding Times

All samples were received in good condition and cooler temperatures upon receipt met validation criteria.

All technical holding time requirements were met.

Initial Calibration and Initial Calibration Verification

8082
The percent relative standard deviations (%RSD) were less than or equal to 20.0% for all analytes.

Average relative response factors (RRF) for all analytes were within validation criteria.

The percent differences (%D) of the initial calibration verification (ICV) standard were less than or equal to 20.0% for all analytes.

Initial calibration data were not reviewed for Stage 2A validation.

6010B
An initial calibration was performed as required by the method.

The initial calibration verification (ICV) standards were within QC limits.

Initial calibration data were not reviewed for Stage 2A validation.

Continuing Calibration

8082
Continuing calibration was performed at the required frequencies.

The percent differences (%D) were less than or equal to 20.0% for all analytes.

All of the continuing calibration relative response factors (RRF) were within validation criteria.

Continuing calibration data were not reviewed for Stage 2A validation.

6010B
Continuing calibrations were performed as required by the method.

The continuing calibration verification (CCV) standards were within QC limits.

Continuing calibration data were not reviewed for Stage 2A validation.

ICP Interference Check Sample Analysis

6010B
The frequency of interference check sample (ICS) analysis was met. All criteria were within QC limits.

Although lead was found in the ICSA standard, no qualification was necessary since the interferent concentrations in the samples were less than ninety percent of the spiked interference concentrations in the ICSA.

Interference check sample (ICS) analysis data were not reviewed for Stage 2A validation.

Laboratory Blanks

Laboratory blanks were performed as required by the methods. No contaminants were detected in the laboratory blanks.

Field Blanks

8082
Two media blanks were collected and analyzed. No contaminants were found.

6010B
Two media blanks were collected and analyzed. Two media blanks had detections for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the media blank, therefore no data were qualified. The details are presented in Enclosure I.

Surrogate Spikes

8082
Surrogates were added to all samples as required by the method. All surrogate recoveries (%R) were within QC limits.

Internal Standards

8082
All internal standard areas and retention times were within QC limits.

Internal standard data were not reviewed for Stage 2A validation.

Matrix Spike/Matrix Spike Duplicates

The laboratory has indicated that there were no matrix spike (MS) and matrix spike duplicate (MSD) analyses specified for these methods, and therefore matrix spike and matrix spike duplicate analyses were not performed. The lack of MS/MSD samples for wipe samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Duplicate Sample Analysis

6010B
The laboratory has indicated that there were no laboratory duplicate (DUP) analyses specified for this method, and therefore laboratory duplicate analyses were not performed. The lack of laboratory duplicate samples is consistent with the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Laboratory Control Samples

8082
Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits with the exception of three LCS/LCSD pairs for Aroclor-1016 and Aroclor-1260. The associated sample results were qualified as detected estimated (J) or non-detected estimated (UJ) as applicable. The details regarding the qualification of data are presented in Enclosure I.

6010B
Laboratory control samples (LCS) and laboratory control sample duplicates (LCSD) were analyzed as required by the method. Percent recoveries (%R) and relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
Three field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Three field duplicate pairs were collected and analyzed. All RPDs were within QC limits. The field duplicate result comparisons are presented in Enclosure I.

Target Analyte Quantitation

The laboratory reporting limits were evaluated. All laboratory reporting limits met the specified requirements in the UFP-QAPP for the Hangar 1 NTCRA (EKI, 2022).

Overall Assessment of Data

The analyses were conducted within all specifications of the methods. No results were rejected in these SDGs.

Due to LCS/LCSD %R, data were qualified as estimated in twenty samples.

Data flags are summarized and are presented as Attachment 2.

Attachment 1

Sample Summary Report by Analysis Method

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 473361						
Method: 6010B						
ARCH-C1W-DG-7 TO 7.5-DN-C1.3-DG-221116-L-LA	473361-002	WIPE	N	3050B	11/16/2022	S2AVE
ARCH-C2W-EXT-8 TO 9-221116-L-WF	473361-004	WIPE	N	3050B	11/16/2022	S2AVE
Method: 8082						
ARCH-C1W-DG-7 TO 7.5-DN-C1.3-DG-221116-P-LA	473361-001	WIPE	N	3546	11/16/2022	S2AVE
ARCH-C2W-EXT-8 TO 9-221116-P-WF	473361-003	WIPE	N	3546	11/16/2022	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 473364						
Method: 6010B						
AFRAME-C1W-LAT-L3-DN-C1.2-DG-221116-L-LA	473364-012	WIPE	N	3050B	11/16/2022	S2AVE
AFRAME-C1W-MED-L3-UP-C1.2-VS-221116-L-LA	473364-008	WIPE	N	3050B	11/16/2022	S2AVE
AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-L-DUP-WF	473364-006	WIPE	FD	3050B	11/16/2022	S2AVE
AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-L-WF	473364-005	WIPE	N	3050B	11/16/2022	S2AVE
AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-L-LA	473364-003	WIPE	N	3050B	11/16/2022	S2AVE
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA-SL6	473364-010	WIPE	N	3050B	11/16/2022 1:55:00 PM	S2AVE
Method: 8082						
AFRAME-C1W-LAT-L3-DN-C1.2-DG-221116-P-LA	473364-011	WIPE	N	3546	11/16/2022	S2AVE
AFRAME-C1W-MED-L3-UP-C1.2-VS-221116-P-LA	473364-007	WIPE	N	3546	11/16/2022	S2AVE
AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-P-WF	473364-004	WIPE	N	3546	11/16/2022	S2AVE
AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-P-DUP-LA	473364-002	WIPE	FD	3546	11/16/2022	S2AVE
AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-P-LA	473364-001	WIPE	N	3546	11/16/2022	S2AVE
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA-SL6	473364-009	WIPE	N	3546	11/16/2022 1:55:00 PM	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 473365						
Method: 6010B						
221116-L-MEDBLANK2	473365-046	WIPE	FB	3050B	11/16/2022	S2AVE
221117-L-MEDBLANK3	473365-048	WIPE	FB	3050B	11/17/2022	S2AVE
AFRAME-C1W-LAT-L1-UP-C1.3-HM-221117-L-CB	473365-020	WIPE	N	3050B	11/17/2022	S2AVE
AFRAME-C1W-LAT-L1-UP-C1.6-VS-221117-L-LA	473365-029	WIPE	N	3050B	11/17/2022	S2AVE
AFRAME-C1W-LAT-L2-UP-C1.4-DG-221116-L-LA	473365-012	WIPE	N	3050B	11/16/2022	S2AVE
AFRAME-C1W-MED-L1-DN-C1.6-DG-221117-L-SS	473365-044	WIPE	N	3050B	11/17/2022	S2AVE
AFRAME-C1W-MED-L1-UP-C1.6-DG-221117-L-LA	473365-036	WIPE	N	3050B	11/17/2022	S2AVE
AFRAME-C1W-MED-L3-DN-C1.4-DG-221116-L-LA	473365-050	WIPE	N	3050B	11/16/2022	S2AVE
AFRAME-C2W-LAT-L1-DN-DG-C2W-221117-L-CB	473365-038	WIPE	N	3050B	11/17/2022	S2AVE
AFRAME-C2W-LAT-L1-HS-3-221116-L-G	473365-016	WIPE	N	3050B	11/16/2022	S2AVE
AFRAME-C2W-LAT-L1-HS-3-221117-L-A	473365-026	WIPE	N	3050B	11/17/2022	S2AVE
AFRAME-C2W-LAT-L1-HS-3-221117-L-DUP-A	473365-027	WIPE	FD	3050B	11/17/2022	S2AVE
AFRAME-C2W-LAT-L1-INT-0 TO 1-221117-L-FB	473365-040	WIPE	N	3050B	11/17/2022	S2AVE
AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-L-FB	473365-034	WIPE	N	3050B	11/17/2022	S2AVE
AFRAME-C2W-LAT-L1-UP-C2.1-VS-221116-L-I	473365-014	WIPE	N	3050B	11/16/2022	S2AVE
AFRAME-C2W-LAT-L1-UP-C2W-HS-221117-L-LA	473365-031	WIPE	N	3050B	11/17/2022	S2AVE
AFRAME-C2W-LAT-L3-DN-C2.1-DG-221116-L-LA	473365-002	WIPE	N	3050B	11/16/2022	S2AVE
AFRAME-C2W-MED-L1-C2.5-DG-221116-L-SS	473365-022	WIPE	N	3050B	11/16/2022	S2AVE
AFRAME-C2W-MED-L1-EXT-0 TO 1-221117-L-WF	473365-042	WIPE	N	3050B	11/17/2022	S2AVE
AFRAME-C2W-MED-L1-EXT-2 TO 3-221116-L-WF	473365-018	WIPE	N	3050B	11/16/2022	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 6010B						
AFRAME-C2W-MED-L1-HS-3-221117-L-A	473365-024	WIPE	N	3050B	11/17/2022	S2AVE
AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-L-DUP-FB	473365-010	WIPE	FD	3050B	11/16/2022	S2AVE
AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-L-FB	473365-009	WIPE	N	3050B	11/16/2022	S2AVE
AFRAME-C2W-MED-L2-UP-C2.2-VS-221116-L-LA	473365-007	WIPE	N	3050B	11/16/2022	S2AVE
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA-SL5	473365-005	WIPE	N	3050B	11/16/2022	S2AVE
Method: 8082						
221116-P-MEDBLANK2	473365-045	WIPE	FB	3546	11/16/2022	S2AVE
221117-P-MEDBLANK3	473365-047	WIPE	FB	3546	11/17/2022	S2AVE
AFRAME-C1W-LAT-L1-UP-C1.3-HM-221117-P-CB	473365-019	WIPE	N	3546	11/17/2022	S2AVE
AFRAME-C1W-LAT-L1-UP-C1.6-VS-221117-P-LA	473365-028	WIPE	N	3546	11/17/2022	S2AVE
AFRAME-C1W-LAT-L2-UP-C1.4-DG-221116-P-LA	473365-011	WIPE	N	3546	11/16/2022	S2AVE
AFRAME-C1W-MED-L1-DN-C1.6-DG-221117-P-SS	473365-043	WIPE	N	3546	11/17/2022	S2AVE
AFRAME-C1W-MED-L1-UP-C1.6-DG-221117-P-LA	473365-035	WIPE	N	3546	11/17/2022	S2AVE
AFRAME-C1W-MED-L3-DN-C1.4-DG-221116-P-LA	473365-049	WIPE	N	3546	11/16/2022	S2AVE
AFRAME-C2W-LAT-L1-DN-DG-C2W-221117-P-CB	473365-037	WIPE	N	3546	11/17/2022	S2AVE
AFRAME-C2W-LAT-L1-HS-3-221116-P-G	473365-015	WIPE	N	3546	11/16/2022	S2AVE
AFRAME-C2W-LAT-L1-HS-3-221117-P-A	473365-025	WIPE	N	3546	11/17/2022	S2AVE
AFRAME-C2W-LAT-L1-INT-0 TO 1-221117-P-FB	473365-039	WIPE	N	3546	11/17/2022	S2AVE
AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-P-DUP-FB	473365-033	WIPE	FD	3546	11/17/2022	S2AVE
AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-P-FB	473365-032	WIPE	N	3546	11/17/2022	S2AVE
AFRAME-C2W-LAT-L1-UP-C2.1-VS-221116-P-I	473365-013	WIPE	N	3546	11/16/2022	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
AFRAME-C2W-LAT-L1-UP-C2W-HS-221117-P-LA	473365-030	WIPE	N	3546	11/17/2022	S2AVE
AFRAME-C2W-LAT-L3-DN-C2.1-DG-221116-P-LA	473365-001	WIPE	N	3546	11/16/2022	S2AVE
AFRAME-C2W-MED-L1-C2.5-DG-221116-P-SS	473365-021	WIPE	N	3546	11/16/2022	S2AVE
AFRAME-C2W-MED-L1-EXT-0 TO 1-221117-P-WF	473365-041	WIPE	N	3546	11/17/2022	S2AVE
AFRAME-C2W-MED-L1-EXT-2 TO 3-221116-P-WF	473365-017	WIPE	N	3546	11/16/2022	S2AVE
AFRAME-C2W-MED-L1-HS-3-221117-P-A	473365-023	WIPE	N	3546	11/17/2022	S2AVE
AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-P-FB	473365-008	WIPE	N	3546	11/16/2022	S2AVE
AFRAME-C2W-MED-L2-UP-C2.2-VS-221116-P-LA	473365-006	WIPE	N	3546	11/16/2022	S2AVE
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-DUP-SL5	473365-004	WIPE	FD	3546	11/16/2022	S2AVE
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA-SL5	473365-003	WIPE	N	3546	11/16/2022	S2AVE

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*

Validation Label Legend

Label Code	*Label Decription*	*EPA Level*
S1VE	Stage_1_Validation_Electronic	N/A
S1VM	Stage_1_Validation_Manual	N/A
S1VEM	Stage_1_Validation_Electronic_and_Manual	N/A
S2AVE	Stage_2A_Validation_Electronic	Level 3 w/o calibration
S2AVM	Stage_2A_Validation_Manual	Level 3 w/o calibration
S2AVEM	Stage_2A_Validation_Electronic_and_Manual	Level 3 w/o calibration
S2BVE	Stage_2B_Validation_Electronic	Level 3 with calibration
S2BVM	Stage_2B_Validation_Manual	Level 3 with calibration
S2BVEM	Stage_2B_Validation_Electronic_and_Manual	Level 3 with calibration
S3VE	Stage_3_Validation_Electronic	Level 4
S3VM	Stage_3_Validation_Manual	Level 4
S3VEM	Stage_3_Validation_Electronic_and_Manual	Level 4
S4VE	Stage_4_Validation_Electronic	Level 4
S4VM	Stage_4_Validation_Manual	Level 4
S4VEM	Stage_4_Validation_Electronic_and_Manual	Level 4
NV	Not_Validated	N/A

Attachment 2

Overall Data Qualification Summary

Data Qualifier Summary

Lab Reporting Batch ID: 473361 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473361 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: ARCH-C1W-DG-7 TO 7.5-DN-C1.3-DG-221116-P-LA ***Collected:*** 11/16/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: ARCH-C2W-EXT-8 TO 9-221116-P-WF ***Collected:*** 11/16/2022 12:00:00 AM ***Analysis Type:*** RES ***Dilution:*** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 473364 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473364 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: AFRAME-C1W-LAT-L3-DN-C1.2-DG-221116-P-LA **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: AFRAME-C1W-MED-L3-UP-C1.2-VS-221116-P-LA **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-P-WF **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 473364 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473364 **eQAPP Name:**

Method Category: **SVOA**

Method: **8082** ***Matrix:*** **WIPE**

Sample ID: AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-P-WF **Collected: 11/16/2022 12:00:00 AM** **Analysis Type: RES** **Dilution: 1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-P-DUP-LA **Collected: 11/16/2022 12:00:00 AM** **Analysis Type: RES** **Dilution: 1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-P-LA **Collected: 11/16/2022 12:00:00 AM** **Analysis Type: RES** **Dilution: 1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 473364 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473364 **eQAPP Name:**

Method Category:	SVOA		
Method:	8082	*Matrix:*	WIPE

Sample ID: AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-P-LA **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA-SL6 **Collected:** 11/16/2022 1:55:00 PM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016*	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221*	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232*	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242*	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248*	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254*	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260*	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262*	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268*	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 473365 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473365 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: 221116-P-MEDBLANK2 **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: AFRAME-C1W-LAT-L2-UP-C1.4-DG-221116-P-LA **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: AFRAME-C1W-MED-L3-DN-C1.4-DG-221116-P-LA **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 473365 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473365 **eQAPP Name:**

Method Category: **SVOA**

Method: **8082** ***Matrix:*** **WIPE**

Sample ID: **AFRAME-C1W-MED-L3-DN-C1.4-DG-221116-P-LA** ***Collected:*** **11/16/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: **AFRAME-C2W-LAT-L1-HS-3-221116-P-G** ***Collected:*** **11/16/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.073	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.45	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.29	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.087	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.087	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.13	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.21	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: **AFRAME-C2W-LAT-L1-UP-C2.1-VS-221116-P-I** ***Collected:*** **11/16/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.073	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.45	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 473365 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473365 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: AFRAME-C2W-LAT-L1-UP-C2.1-VS-221116-P-I **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1232	0.50	U	0.29	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.087	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.087	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.13	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.21	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: AFRAME-C2W-LAT-L3-DN-C2.1-DG-221116-P-LA **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: AFRAME-C2W-MED-L1-C2.5-DG-221116-P-SS **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 473365 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473365 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: AFRAME-C2W-MED-L1-C2.5-DG-221116-P-SS **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: AFRAME-C2W-MED-L1-EXT-2 TO 3-221116-P-WF **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-P-FB **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 473365 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473365 **eQAPP Name:**

Method Category: SVOA

Method: 8082 *Matrix:* WIPE

Sample ID: AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-P-FB **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: AFRAME-C2W-MED-L2-UP-C2.2-VS-221116-P-LA **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-DUP-SL5 **Collected:** 11/16/2022 12:00:00 AM **Analysis Type:** RES **Dilution:** 1.000

Analyte	Lab Result	Lab Qual	DL	DL Type	RL	RL Type	Units	Data Review Qual	Reason Code
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 473365 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473365 **eQAPP Name:**

Method Category:	SVOA		
Method:	8082	*Matrix:*	WIPE

Sample ID: **AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-DUP-SL5** ***Collected:*** **11/16/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Sample ID: **AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA-SL5** ***Collected:*** **11/16/2022 12:00:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
AROCLOR-1016	0.50	U	0.11	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1221	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1232	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1242	0.50	U	0.20	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1248	0.50	U	0.24	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1254	0.50	U	0.19	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1260	0.50	U	0.15	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
Aroclor-1262	0.50	U	0.23	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs
AROCLOR-1268	0.50	U	0.46	MDL	0.50	CRQL	ug/100 cm2	UJ	Lcs

Crossed out Sample IDs not collected in the Low Occupancy Area of Zone 2

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 473365

Laboratory: Enthalpy Orange

EDD Filename: Prep473365

eQAPP Name:

Reason Code Legend

Reason Code	*Description*
Lcs	Laboratory Control Spike Lower Estimation

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Enclosure I

Validation Outlier Reports

Quality Control
Outlier Reports

473361

LDC #: 55624A3b

SDG #: 473361

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 1/9/2023

Page: of

Reviewer:

2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	N	
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	SW	
IX.	Field duplicates	N	
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-DG-7 TO 7.5-DN-C1.3-DG-221116-P-LA	473364-001	Wipe	11/16/22
2	ARCH-C2W-EXT-8 TO 9-221116-P-WF	473364-003	Wipe	11/16/22
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				

Notes:

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: 473361 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473361 **eQAPP Name:**

Method: 8082
Matrix: WIPE

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
QC1029967 QC1029968 (ARCH-C1W-DG-7 TO 7.5-DN-C1.3-DG-221116-P-LA ARCH-C2W-EXT-8 TO 9-221116-P-WF)	AROCLOR-1016 AROCLOR-1260	54 49	56 52	60.00-140.00 60.00-140.00	- -	AROCLOR-1016 AROCLOR-1260	J (all detects) UJ (all non-detects)

LDC #: 55624A4b

SDG #: 473361

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 1/1/2023

Page: __of__

Reviewer: JM

2nd Reviewer: _____

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C1W-DG-7 TO 7.5-DN-C1.3-DG-221116-L-LA	473364-002	Wipe	11/16/22
2	ARCH-C2W-EXT-8 TO 9-221116-L-WF	473364-004	Wipe	11/16/22
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes: _____

Quality Control
Outlier Reports

473364

LDC #: 55624B3b
SDG #: 473364
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 11/2/23
Page: 1 of 1
Reviewer:
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	Initial calibration/ICV	A /A	%D PSD ≤ 20, r² ICV ≤ 20
III.	Continuing calibration	A	CCV ≤ 20
IV.	Laboratory Blanks	A	
V.	Field blanks	N	
VI.	Surrogate spikes 1,2	A /A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	SW	LCS 1,2
IX.	Field duplicates	ND	D = 1,2
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-P-LA	473364-001	Wipe	11/16/22
2	AFRAME-C2W-LAT-L3-C2.5-DG-221116-P-DUP-LA (UP)	473364-002	Wipe	11/16/22
3	AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-P-WF	473364-004	Wipe	11/16/22
4	AFRAME-C1W-MED-L3-UP-C1.2-VS-221116-P-LA	473364-007	Wipe	11/16/22
5	~~AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA~~ Included BM 2/22/23	473364-009	Wipe	11/16/22
6	AFRAME-C1W-LAT-L3-DN-C1.2-DG-221116-P-LA	473364-011	Wipe	11/16/22
7				
8				
9				
10				
11				
12				
13				

Notes:

	302486						

LDC #: 55624B36

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ✓GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?	✓			
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ 20%?	✓			
Were all the retention times within the acceptance windows?	✓			
IV. Laboratory Blanks				
Was a laboratory blank associated with every sample in this SDG?	✓			
Was a laboratory blank analyzed for each matrix and concentration?	✓			
Was there contamination in the laboratory blanks?		✓		
V. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target compounds detected in the field blanks?			✓	
VI. Surrogate spikes				
Were all surrogate percent recovery (%R) within the QC limits?	✓			
If the percent recovery (%R) of one or more surrogates was outside QC limits, was a reanalysis performed to confirm %R?			✓	
If any %R was less than 10 percent, was a reanalysis performed to confirm %R?				
VII. Matrix spike/Matrix spike duplicates				
Were matrix spike (MS) and matrix spike duplicate (MSD) analyzed in this SDG?			✓	
Were the MS/MSD percent recoveries (%R) and the relative percent differences (RPD) within the QC limits?			✓	
VIII. Laboratory control samples				
Was an LCS analyzed per analytical or extraction batch?	✓			
Were the LCS percent recoveries (%R) and relative percent difference (RPD) within the QC limits?		✓		
IX. Field duplicates				

Were field duplicate pairs identified in this SDG?	✓			
Were target compounds detected in the field duplicates?		✓		
X. Compound quantitation				
Did the laboratory LOQs/RLs meet the QAPP LOQs/RLs?	✓			
Were compound quantitation and RLs adjusted to reflect all sample dilutions and dry weight factors applicable to level IV validation?	✓			
XI. Target compound identification				
Were the retention times of reported detects within the RT windows?	✓			
XIII. Overall assessment of data				
Overall assessment of data was found to be acceptable.	✓			

VALIDATION FINDINGS WORKSHEET

METHOD: Pesticide/PCBs (EPASW 846 Method 8081/8082)

A. alpha-BHC	I. Dieldrin	Q. Endrin ketone	Y. Aroclor-1242	GG. Chlordane
B. beta-BHC	J. 4,4'-DDE	R. Endrin aldehyde	Z. Aroclor-1248	HH. Chlordane (Technical)
C. delta-BHC	K. Endrin	S. alpha-Chlordane	AA. Aroclor-1254	II. Aroclor 1262
D. gamma-BHC	L. Endosulfan II	T. gamma-Chlordane	BB. Aroclor-1260	JJ. Aroclor 1268
E. Heptachlor	M. 4,4'-DDD	U. Toxaphene	CC. 2,4'-DDD	KK. Oxychlordane
F. Aldrin	N. Endosulfan sulfate	V. Aroclor-1016	DD. 2,4'-DDE	LL. trans-Nonachlor
G. Heptachlor epoxide	O. 4,4'-DDT	W. Aroclor-1221	EE. 2,4'-DDT	MM. cis-Nonachlor
H. Endosulfan I	P. Methoxychlor	X. Aroclor-1232	FF. Hexachlorobenzene	NN.

Notes:_____

LDC #: 55624B3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The calibration factors (CF) and relative standard deviation (%RSD) were recalculated using the following calculations:

CF = A/C
Average CF = sum of the CF/number of standards
%RSD = 100 * (S/X)

Where: A = Area of compound
C = Concentration of compound
S = Standard deviation of calibration factors
X = Mean of calibration factors

#	Standard ID	Calibration Date	Compound	Reported CF (250.0std)	Recalculated CF (250.0std)	Reported CF (initial)	Recalculated CF (intial)	Reported %RSD	Recalculated %RSD
1	ICAL	10/24/22	1260-1 ch A	0.0675	0.0675	0.0676	0.0676	18	18
			ch B	0.0608	0.0608	0.0595	0.0595	14	14
2									
3									
4									

Comments: Refer to Initial Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55624B3b

VALIDATION FINDINGS WORKSHEET
Continuing Calibration Results Verification

Reviewer: FT

METHOD: GC ✓ HPLC _____

The percent difference (%D) of the initial calibration average Calibration Factors (CF) and the continuing calibration CF were recalculated for the compounds identified below using the following calculation:

% Difference = 100 * (ave. CF -CF)/ave.CF

Where: ave. CF = initial calibration average CF
CF = continuing calibration CF
A = Area of compound
C = Concentration of compound

#	Standard ID	Calibration Date	Compound	Average CF(ICAL)/ CCV Conc.	Reported CF/ Conc. CCV	Recalculated CF/ Conc. CCV	Reported %D	Recalculated %D
1	CCV	12/6/22 0830	Aroclor 1260 ug/L ch A	500.0	502.5	502.5	0	0
			Aroclor 1260 ch B	500.0	467.7	467.7	6	6
2								
3								
4								

Comments: Refer to Continuing Calibration findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55624133b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: 01

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	50	33.123U	66	66	0
DCB	ch B A	50	29.20	58	58	0

Sample ID: _____

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	

	Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound		Surrogate Compound
A	Chlorobenzene (CBZ)	G	Octacosane	M	Benzo(e)Pyrene	S	1-Chloro-3-Nitrobenzene	Y	Tetrachloro-m- xylene
B	4-Bromofluorobenzene (BFB)	H	Ortho-Terphenyl	N	Terphenyl-D14	T	3,4-Dinitrotoluene	Z	2-Bromonaphthalene
C	a,a,a-Trifluorotoluene	I	Fluorobenzene (FBZ)	O	Decachlorobiphenyl (DCB)	U	Tripentyltin	AA	Chloro-octadecane
D	Bromochlorobenene	J	n-Triacontane	P	1-methylnaphthalene	V	Tri-n-propyltin	BB	2,4-Dichlorophenylacetic acid
E	1,4-Dichlorobutane	K	Hexacosane	Q	Dichlorophenyl Acetic Acid (DCAA)	W	Tributyl Phosphate	CC	2,5-Dibromotoluene
F	1,4-Difluorobenzene (DFB)	L	Bromobenzene	R	4-Nitrophenol	X	Triphenyl Phosphate		

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: 473364 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473364 **eQAPP Name:**

Method: 8082
Matrix: WIPE

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
QC1029967 QC1029968 (AFRAME-C1W-LAT-L3-DN-C1.2-DG-221116-P-LA AFRAME-C1W-MED-L3-UP-C1.2-VS-221116-P-LA AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-P-WF AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-P-DUP-LA AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-P-LA AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA-SL6)	AROCLOR-1016 AROCLOR-1260	54 49	56 52	60.00-140.00 60.00-140.00	- -	AROCLOR-1016 AROCLOR-1260	J (all detects) UJ (all non-detects)

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LDC #: 55624B3b

VALIDATION FINDINGS WORKSHEET

Laboratory Control Sample/Laboratory Control Sample Duplicates Results Verification

Reviewer: FT

METHOD: ✓ GC ___HPLC

The percent recoveries (%R) and relative percent differences (RPD) of the laboratory control sample and laboratory control sample duplicate were recalculated for the compounds identified below using the following calculation:

%Recovery = 100 * (SSC/SA)
RPD =(({SSCLCS - SSCLCSD} * 2) / (SSCLCS + SSCLCSD))*100

Where SSC = Spiked sample concentration
LCS = Laboratory Control Sample

SA = Spike added
LCSD = Laboratory Control Sample duplicate

LCS/LCSD samples: 302486 LCS WD

Compound	Spike Added (ug/100cm²)		Spike Sample Concentration (ug/cm)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	2.457	2.576	49	49	52	52	5	5

Comments: Refer to Laboratory Control Sample/Laboratory Control Sample Duplicate findings worksheet for list of qualifications and associated samples when reported results do not agree within 10.0% of the recalculated results.

LDC #: 55624B3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

Y N N/A Were all reported results recalculated and verified for all level IV samples?
Y N N/A Were all recalculated results for detected target compounds within 10% of the reported results?

Concentration= (A)(Fv)(Df) / (RF)(Vs or Ws)(%S/100)

A= Area or height of the compound to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the compound In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 302486-LCS Compound Name Aroclor 1260

Concentration = $\frac{245.7\ (10)}{(100)}$ =

= 2.457 ug/100 cm²

#	Sample ID	Compound	Reported Concentrations (ug/100 cm²)	Recalculated Results Concentrations (ug/100 cm²)	Qualifications
	LCS	Aroclor 1260	2.457	2.457	
	1260-1 = 10 [59566.27 (20.0)] / 13 [2250.05 (0.0676)]		238.8	1260-1 = 238	.8
				-2 = 255.	7
				-3 = 229.	2
				-4 = 249.	5
				-5 = 255.	2
				245	.7

Comments: _____

LDC #: 55624B4b
SDG #: 473364
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 1/5/23
Page: 1 of 1
Reviewer: AW
2nd Reviewer: [illegible]

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	C.S
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(2,3)
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-L-LA	473364-003	Wipe	11/16/22
2	AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-L-WF	473364-005	Wipe	11/16/22
3	AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-L-DUP-WF	473364-006	Wipe	11/16/22
4	AFRAME-C1W-MED-L3-UP-C1.2-VS-221116-L-LA	473364-008	Wipe	11/16/22
5	~~AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA~~ Included BM 2/13/23	473364-010	Wipe	11/16/22
6	AFRAME-C1W-LAT-L3-DN-C1.2-DG-221116-L-LA	473364-012	Wipe	11/16/22
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

LDC #: 55624B4b VALIDATION FINDINGS CHECKLIST Page 1 of 2

Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	✓			
Were all water samples preserved to a pH of <2.			✓	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			✓	
Were %RSDs of isoptoes in the tuning solution ≤5%?			✓	
III. Calibration				
Were all instruments calibrated daily?	✓			
Were the proper standards used?	✓			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	✓			
Were the low level standard checks within 70-130%?			✓	
Were all initial calibration correlation coefficients within limits as specifed by the method?	✓			
IV. Blanks				
Was a method blank associated with every sample in this SDG?	✓			
Was there contamination in the method blanks?		✓		
Was there contamination in the initial and continuing calibration blanks?		✓		
V. Interference Check Sample				
Were the interference check samples performed daily?	✓			
Were the AB solution recoveries within 80-120%?	✓			
VI. Matrix Spike/Matrix Spike Duplicates/Laboratory Duplicates				
Were MS/MSD recoveries within the QC limits? (If the sample concentration exceeded the spike concentration by a factor of 4, no action was taken.)			✓	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			✓	
VII. Laboratory Control Samples				
SDG?	✓			

Were the LCS recoveries and RPDs (if applicable) within QC limits?	✓			
METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
VIII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			✓	
If the recoveries were outside the limits, was a reanalysis performed?			✓	
IX. Serial Dilution				
Were all percent differences <10%?			✓	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			✓	
X. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	✓			
Were all soil samples dry weight corrected?			✓	
XI. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	✓			
XII. Field Duplicates				
Were field duplicates identifed in this SDG?	✓			
Were target analytes detected in the field duplicates?	✓			
XIII. Field Blanks				
Were field blanks identified in this SDG?		✓		
Were target analytes detected in the field blanks?			✓	

LDC #: 55624B4b

VALIDATION FINDINGS WORKSHEET
ICP Interference Check Sample

Reviewer: ATL

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Were ICP interference check samples performed as required?

(Y) N N/A Were the AB solution percent recoveries (%R) within the control limits of 80-120% ?

LEVEL IV ONLY:

(Y) N N/A Were recalculated results acceptable? See Level IV Recalculation Worksheet for recalculations.

#	Date	ICS Identification	Analyte	Finding	Associated Samples	Qualifications
	11/21/22	ICSA (11:20)	Pb	-0.009171 (≤ 0.003333)	all	no qual (sample interferents < ICSA)

Comments: _____

Field Duplicate RPD Report

Lab Reporting Batch ID: 473364 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473364 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-	AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-L-			
LEAD	20	17	16	100.00	No Qualifiers Applied

LDC#: 55624B4b

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: ATL

METHOD: Metals (EPA Method 6010/6020/7000/200.7/200.8)

Analyte	Concentration (ug/ft2)		RPD	
	2	3		
Lead	20	17	16	

\\LDCFILESERVER\Validation\FIELD DUPLICATES\Field Duplicates\FD_inorganic\2023\55624B4b.wpd

LDC #: 55624B4b

VALIDATION FINDINGS WORKSHEET
Initial and Continuing Calibration Calculation Verification

METHOD: Trace metals (EPA SW 846 Method 6010/6020/7000)

An initial and continuing calibration verification percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = Found / True x 100

Where, Found = concentration (in ug/L) of each analyte measured in the analysis of the ICV or CCV solution
True = concentration (in ug/L) of each analyte in the ICV or CCV source

Standard ID	Type of Analysis	Element	Found (mg/L ~~ug/L~~)	True (mg/L ~~ug/L~~)	Recalculated %R	Reported %R	Acceptable (Y/N)
	ICP (Low Level calibration)						
	ICP/MS (Low Level calibration)						
ICV	ICP (Initial calibration)	Pb	1.012	1.000	101	101	Y
	ICP/MS (Initial calibration)						
	CVAA (Initial calibration)						
CCV	ICP (Continuing calibration) 11/21 @ 14:35	Pb	1.042	1.000	104	104	Y
	ICP/MS (Continuing calibration)						
	CVAA (Continuing calibration)						

ICP-MS TUNE	Calculation	Mass	Actual (Mean Counts / Axis)	Required (Counts / Axis)	Recalculated %RSD	Acceptable (Y/N)
	Mass Axis			± 0.1 AMU	NA	
	%RSD			≤ 5% RSD		

Comments:

LDC #: 55624B46

VALIDATION FINDINGS WORKSHEET
Level IV Recalculation Worksheet

Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Percent recoveries (%R) for an ICP interference check sample, a laboratory control sample and a matrix spike sample were recalculated using the following formula:

$\%R = \frac{Found}{True} \times 100$ Where, Found = Concentration of each analyte measured in the analysis of the sample. For the matrix spike calculation, Found = SSR (spiked sample result) - SR (sample result).
True = Concentration of each analyte in the source.

A sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

$RPD = \frac{|S-D|}{(S+D)/2} \times 100$ Where, S = Original sample concentration
D = Duplicate sample concentration

An ICP serial dilution percent difference (%D) was recalculated using the following formula:

$\%D = \frac{|I-SDR|}{I} \times 100$ Where, I = Initial Sample Result (mg/L)
SDR = Serial Dilution Result (mg/L) (Instrument Reading x 5)

Sample ID	Type of Analysis	Element	Found / S / I (µg/ft2 (units)	True / D / SDR (µg/ft2 (units)	Recalculated %R / RPD / %D	Reported %R / RPD / %D	Acceptable (Y/N)
ICSAB	ICP interference check	Pb	0.9873 mg/L	1.000 mg/L	99	99	Y
LCS	Laboratory control sample	Pb	105.797	100.00	106	106	Y
	Matrix spike		(SSR-SR)				
	Duplicate						
	Post digestion spike						
	ICP serial dilution						

Comments: _____

LDC #: 55624B4b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: ATV

METHOD: Trace Metals (EPA SW 846 Method 6010/6020/7000)

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

(Y) N N/A Have results been reported and calculated correctly?
(Y) N N/A Are results within the calibrated range of the instruments and within the linear range of the ICP?
(Y) N N/A Are all detection limits below the CRDL?

Detected analyte results for Pb were recalculated and verified using the following equation:

Concentration = $\frac{(RD)(FV)(Dil)}{(In.\ Vol.)}$

Recalculation: #1

RD = Raw data concentration
FV = Final volume (ml)
In. Vol. = Initial volume (ml) or weight (G)
Dil = Dilution factor

$2.78148 \times 50 = 139.074$

#	Sample ID	Analyte	Reported Concentration (ug/kg)	Calculated Concentration (ug/kg)	Acceptable (Y/N)
	1	Pb	140	139.074	Y
	2	Pb	20	20.434	
	3	Pb	17	16.840	
	4	Pb	59	59.336	
	5	Pb	70	70.182	
	6	Pb	69	69.375	

Note: _____

Quality Control
Outlier Reports

473365

LDC #: 55624C3b
SDG #: 473365
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 1/9/2023
Page: __ of __
Reviewer: BA
2nd Reviewer: _____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Initial calibration/ICV	N/N	
III.	Continuing calibration	N	
IV.	Laboratory Blanks	ND	
V.	Field blanks	ND	FB = 23, 24
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	SW	
IX.	Field duplicates	ND	FD = ~~3/3~~ 1/1, 1/10, 3/2 ~~3/3~~ 2/22/23 ~~1/10/23~~
X.	Target analyte quantitation	N	
XI.	Target analyte identification	N	
XII.	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C2W-LAT-L3-DN-C2.1-DG-221116-P-LA	473365-001	Wipe	11/16/22
2	~~AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA~~ 25 - Included 2/22/23	473365-003	Wipe	11/16/22
3	~~AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-DUP-LA~~ 25	473365-004	Wipe	11/16/22
4	AFRAME-C2W-MED-L2-UP-C2.2-VS-221116-P-LA	473365-006	Wipe	11/16/22
5	AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-P-FB	473365-008	Wipe	11/16/22
6	AFRAME-C1W-LAT-L2-UP-C1.4-DG-221116-P-LA	473365-011	Wipe	11/16/22
7	AFRAME-C2W-LAT-L1-UP-C2.1-VS-221116-P-I	473365-013	Wipe	11/16/22
8	AFRAME-C2W-LAT-L1-HS-3-221116-P-G	473365-015	Wipe	11/16/22
9	AFRAME-C2W-MED-L1-EXT-2 TO 3-221116-P-WF	473365-017	Wipe	11/16/22
10	AFRAME-C1W-LAT-L1-UP-C1.3-HM-221117-P-CB	473365-019	Wipe	11/17/22
11	AFRAME-C2W-MED-L1-C2.5-DG-221116-P-SS	473365-021	Wipe	11/16/22
12	AFRAME-C2W-MED-L1-HS-3-221117-P-A	473365-023	Wipe	11/17/22
13	AFRAME-C2W-LAT-L1-HS-3-221117-P-A	473365-025	Wipe	11/17/22
14	AFRAME-C1W-LAT-L1-UP-C1.6-VS-221117-P-LA	473365-028	Wipe	11/17/22
15	AFRAME-C2W-LAT-L1-UP-C2W-HS-221117-P-LA	473365-030	Wipe	11/17/22
16	AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-P-FB	473365-032	Wipe	11/17/22
17	AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-P-DUP-FB	473365-033	Wipe	11/17/22

LDC #: 55624C3b

SDG #: 473365

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date:_____

Page:__of___

Reviewer:_____

2nd Reviewer:_____

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C1W-MED-L1-UP-C1.6-DG-221117-P-LA	473365-035	Wipe	11/17/22
19	AFRAME-C2W-LAT-L1-DN-DG-C2W-221117-P-CB	473365-037	Wipe	11/17/22
20	AFRAME-C2W-LAT-L1-INT-0 TO 1-221117-P-FB	473365-039	Wipe	11/17/22
21	AFRAME-C2W-MED-L1-EXT-0 TO 1-221117-P-WF	473365-041	Wipe	11/17/22
22	AFRAME-C1W-MED-L1-DN-C1.6-DG-221117-P-SS	473365-043	Wipe	11/17/22
23	221116-P-MEDBLANK2	473365-045	Wipe	11/16/22
24	221117-P-MEDBLANK3	473365-047	Wipe	11/17/22
25	AFRAME-C1W-MED-L3-DN-C1.4-DG-221116-P-LA	473365-049	Wipe	11/16/22
26				
27				
28				

Notes:

Lab Control Spike/Lab Control Spike Duplicate Outlier Report

Lab Reporting Batch ID: 473365 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473365 **eQAPP Name:**

Method: 8082
Matrix: WIPE

QC Sample ID (Associated Samples)	*Compound*	*LCS %R*	*LCSD %R*	*%R Limits*	*RPD (Limits)*	*Affected Compounds*	*Flag*
QC1029967 QC1029968 (221116-P-MEDBLANK2 AFRAME-C1W-LAT-L2-UP-C1.4-DG-221116-P-LA AFRAME-C1W-MED-L3-DN-C1.4-DG-221116-P-LA AFRAME-C2W-LAT-L1-HS-3-221116-P-G AFRAME-C2W-LAT-L1-UP-C2.1-VS-221116-P-I AFRAME-C2W-LAT-L3-DN-C2.1-DG-221116-P-LA AFRAME-C2W-MED-L1-C2.5-DG-221116-P-SS AFRAME-C2W-MED-L1-EXT-2 TO 3-221116-P-WF AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-P-FB AFRAME-C2W-MED-L2-UP-C2.2-VS-221116-P-LA AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-DUP-LA AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA)	AROCLOR-1016 AROCLOR-1260	54 49	56 52	60.00-140.00 60.00-140.00	- -	AROCLOR-1016 AROCLOR-1260	J (all detects) UJ (all non-detects)

Project Name and Number: 20-10491 - Hangar 1 NTCRA

LDC #: 55624C4b

SDG #: 473365

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 1/9/2023

Page: of

Reviewer:

2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	ND	
V.	Field Blanks	SW	FB= 23, 24
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	
X.	Field Duplicates	SW	FD= 5/4, 14/13
XI.	Target Analyte Quantitation	N	
XII	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	AFRAME-C2W-LAT-L3-DN-C2.1-DG-221116-L-LA	473365-002	Wipe	11/16/22
2	~~AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA~~ Included BM 2/22/23	473365-005	Wipe	11/16/22
3	AFRAME-C2W-MED-L2-UP-C2.2-VS-221116-L-LA	473365-007	Wipe	11/16/22
4	AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-L-FB	473365-009	Wipe	11/16/22
5	AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-L-DUP-FB	473365-010	Wipe	11/16/22
6	AFRAME-C1W-LAT-L2-UP-C1.4-DG-221116-L-LA	473365-012	Wipe	11/16/22
7	AFRAME-C2W-LAT-L1-UP-C2.1-VS-221116-L-I	473365-014	Wipe	11/16/22
8	AFRAME-C2W-LAT-L1-HS-3-221116-L-G	473365-016	Wipe	11/16/22
9	AFRAME-C2W-MED-L1-EXT-2 TO 3-221116-L-WF	473365-018	Wipe	11/16/22
10	AFRAME-C1W-LAT-L1-UP-C1.3-HM-221117-L-CB	473365-020	Wipe	11/17/22
11	AFRAME-C2W-MED-L1-C2.5-DG-221116-L-SS	473365-022	Wipe	11/16/22
12	AFRAME-C2W-MED-L1-HS-3-221117-L-A	473365-024	Wipe	11/17/22
13	AFRAME-C2W-LAT-L1-HS-3-221117-L-A	473365-026	Wipe	11/17/22
14	AFRAME-C2W-LAT-L1-HS-3-221117-L-DUP-A	473365-027	Wipe	11/17/22
15	AFRAME-C1W-LAT-L1-UP-C1.6-VS-221117-L-LA	473365-029	Wipe	11/17/22
16	AFRAME-C2W-LAT-L1-UP-C2W-HS-221117-L-LA	473365-031	Wipe	11/17/22
17	AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-L-FB	473365-034	Wipe	11/17/22

LDC #: 55624C4b

SDG #: 473365

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date:_____

Page: __ of __

Reviewer:_____

2nd Reviewer:_____

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C1W-MED-L1-UP-C1.6-DG-221117-L-LA	473365-036	Wipe	11/17/22
19	AFRAME-C2W-LAT-L1-DN-DG-C2W-221117-L-CB	473365-038	Wipe	11/17/22
20	AFRAME-C2W-LAT-L1-INT-0 TO 1-221117-L-FB	473365-040	Wipe	11/17/22
21	AFRAME-C2W-MED-L1-EXT-0 TO 1-221117-L-WF	473365-042	Wipe	11/17/22
22	AFRAME-C1W-MED-L1-DN-C1.6-DG-221117-L-SS	473365-044	Wipe	11/17/22
23	221116-L-MEDBLANK2	473365-046	Wipe	11/16/22
24	221117-L-MEDBLANK3	473365-048	Wipe	11/17/22
25	AFRAME-C1W-MED-L3-DN-C1.4-DG-221116-L-LA	473365-050	Wipe	11/16/22
26				
27				
28				

Notes:_____

Field Blank Contamination Report

Lab Reporting Batch ID: 473365
Laboratory: Enthalpy Orange
EDD Filename: Prep473365
Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	221116-L-MEDBLANK2	2.0	No Qualifiers Applied

Field Blank Contamination Report

Lab Reporting Batch ID: 473365
EDD Filename: Prep473365

Laboratory: Enthalpy Orange
Moffett_Hangar_1_NTCRA_Enthalpy_220609

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	221116-L-MEDBLANK3	1.1	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 473365 **Laboratory: Enthalpy Orange**

EDD Filename: Prep473365 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C2W-LAT-L1-HS-3-221117-L-A	**AFRAME-C2W-LAT-L1-HS-3-221117-L-DUP-A**			
LEAD	160	140	13	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C2W-MED-L2-INT-0 TO 0.5-	**AFRAME-C2W-MED-L2-INT-0 TO 0.5-**			
LEAD	360	470	27	100.00	No Qualifiers Applied

Attachment 6

Clearance Sampling Summary and Laboratory Reports

Clearance Wipe Sampling Results - Zone 2

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

				Lead	PCBs								
				Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	Zone	Enclosure	µg/ft²	Concentration - µg/100 cm²								
			Clearance Goal	<250	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10
CLEAR-ARCH-C2E-PS-4.5-221003-G	10/3/2022	2	A	**7.5 b**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z2EA-L19-221003	10/3/2022	2	A	**22 b**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z2EA-L19-221003	10/3/2022	2	A	**15 b**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ARCH-C2E-DG-6 TO 6.5-221003-FB	10/3/2022	2	A	**1.7 b**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ARCH-C2E-DG-6 TO 6.5-221003-FB-DUP [b]	10/3/2022	2	A	--	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z2EA-L14-221003	10/3/2022	2	A	**48 b**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z2EA-L14-221003	10/3/2022	2	A	**11 b**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-221004-LA	10/4/2022	2	A	**30**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z2EA-L9-221004	10/4/2022	2	A	**220**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z2EA-L9-221004-DUP [b]	10/4/2022	2	A	**90**	--	--	--	--	--	--	--	--	--
CLEAR-ENC-Z2EA-L9-221004	10/4/2022	2	A	**15**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-AFRAME-C1E-LAT-L3-DN-C1.3-DG-221004-LA	10/4/2022	2	A	**4.8**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z2EA-L6-221004	10/4/2022	2	A	**360**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z2EA-L6-221004	10/4/2022	2	A	**50**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-AFRAME-C2E-MED-L1-HS-3-221004-A	10/4/2022	2	A	**1.6**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-SCAF-Z2EA-L2-221004	10/4/2022	2	A	**45**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ENC-Z2EA-L2-221004	10/4/2022	2	A	**18**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-MEDBLANK-221004 [b]	10/4/2022	2	A	<0.50	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
Average Clearance Results: Zone 2 Enclosure A [b]				**57**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
CLEAR-ARCH-C2E-DG-2 TO 2.5-221018-FB	10/18/2022	2	B/C	**3.5**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-SCAF-Z2EBC-L26-221018 [b]	10/18/2022	2	B/C	**27**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-SCAF-Z2EBC-L26-221018-DUP	10/18/2022	2	B/C	**50**	--	--	--	--	--	--	--	--	--
CLEAR-ENC-Z2EBC-L26-221018	10/18/2022	2	B/C	**17**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221018-LA	10/18/2022	2	B/C	**2.3**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-SCAF-Z2EBC-L24-221018	10/18/2022	2	B/C	**33**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ENC-Z2EBC-L24-221018	10/18/2022	2	B/C	**4.4**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ARCH-C2E-EXT-3 TO 4-221018-WF	10/18/2022	2	B/C	**4.9**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ARCH-C2E-EXT-3 TO 4-221018-WF-DUP [b]	10/18/2022	2	B/C	--	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-SCAF-Z2EBC-L22-221018	10/18/2022	2	B/C	**90**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ENC-Z2EBC-L22-221018	10/18/2022	2	B/C	**100**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221018-LA	10/18/2022	2	B/C	**2.4**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-SCAF-Z2EBC-L25-221018	10/18/2022	2	B/C	**13**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ENC-Z2EBC-L25-221018	10/18/2022	2	B/C	**3.7**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ARCH-C2W-DG-3 TO 3.5-221018-FB	10/18/2022	2	B/C	**2.7**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-SCAF-Z2EBC-L23-221018	10/18/2022	2	B/C	**41**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ENC-Z2EBC-L23-221018	10/18/2022	2	B/C	**17**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ARCH-C2W-DG-1.5 TO 2-221025-FB	10/25/2022	2	B/C	**1.6**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.51 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ARCH-C2W-DG-1.5 TO 2-221025-DUP-FB [b]	10/25/2022	2	B/C	**1.2**	--	--	--	--	--	--	--	--	--
CLEAR-SCAF-Z2EBC-L26-221025	10/25/2022	2	B/C	**51**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.51 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ENC-Z2EBC-L26-221025	10/25/2022	2	B/C	**84**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.51 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221025-LA	10/25/2022	2	B/C	**8.9**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.51 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-SCAF-Z2EBC-L24-221025	10/25/2022	2	B/C	**260**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.51 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ENC-Z2EBC-L24-221025	10/25/2022	2	B/C	**22**	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.51 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ENC-Z2EBC-L24-221025-DUP [b]	10/25/2022	2	B/C	--	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.51 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221025-LA	10/25/2022	2	B/C	**400**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-SCAF-Z2EBC-L22-221025	10/25/2022	2	B/C	**300**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-ENC-Z2EBC-L22-221025	10/25/2022	2	B/C	**40**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Clearance Wipe Sampling Results - Zone 2

Hangar 1 NTCRA

Former Naval Air Station Moffett Field, California

				Lead	PCBs								
				Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	Zone	Enclosure	µg/ft²	Concentration - µg/100 cm²								
			Clearance Goal	<250	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10
CLEAR-ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221025-LA	10/25/2022	2	B/C	**9.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-SCAF-Z2EBC-L25-221025	10/25/2022	2	B/C	**530**	<0.5 UJ	<0.65 UJ	<0.5 UJ	<0.66 UJ	<0.74 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-ENC-Z2EBC-L25-221025	10/25/2022	2	B/C	**32**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-ARCH-C2E-DG-3 TO 3.5-221025-FB	10/25/2022	2	B/C	**2.3**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-SCAF-Z2EBC-L23-221025	10/25/2022	2	B/C	**150**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-ENC-Z2EBC-L23-221025	10/25/2022	2	B/C	**4.9**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-MEDBLANK-221018 [b]	10/18/2022	2	B/C	<0.5	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ	<0.5 UJ
CLEAR-MEDBLANK-221025 [b]	10/25/2022	2	B/C	<0.54	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Average Clearance Results: Zone 2 Enclosure B/C [b]				**76**	<0.5	<0.65	<0.5	<0.66	<0.74	<0.5	<0.5	<0.5	<0.5
CLEAR-AFRAME-C2W-MED-L3-DN-C2.4-DG-221121-LA	11/21/2022	2	D	**10**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-SCAF-Z2ED-L6-221121	11/21/2022	2	D	**130**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-ENC-Z2ED-L6-221121	11/21/2022	2	D	**63**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-AFRAME-C2W-MED-L1-HS-3-221121-A	11/21/2022	2	D	**6.5**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-SCAF-Z2ED-L2-221121	11/21/2022	2	D	**240**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-ENC-Z2ED-L2-221121	11/21/2022	2	D	**57**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-ARCH-C2W-PS-4.5-221121-G	11/21/2022	2	D	**140**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-SCAF-Z2ED-L19-221121	11/21/2022	2	D	**130**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-ENC-Z2ED-L19-221121	11/21/2022	2	D	**28**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221121-LA	11/21/2022	2	D	**23**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221121-DUP [b]	11/21/2022	2	D	--	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-SCAF-Z2ED-L15-221121	11/21/2022	2	D	**86**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-ENC-Z2ED-L15-221121	11/21/2022	2	D	**13**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-ARCH-C2W-EXT-7 TO 8-221121-WF	11/21/2022	2	D	**20**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-SCAF-Z2ED-L11-221121	11/21/2022	2	D	**530**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-SCAF-Z2ED-L11-221121-DUP [b]	11/21/2022	2	D	**310**	--	--	--	--	--	--	--	--	--
CLEAR-ENC-Z2ED-L11-221121	11/21/2022	2	D	**86**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
CLEAR-MEDBLANK-221121 [b]	11/21/2022	2	D	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
Average Clearance Results: Zone 2 Enclosure D [b]				**104**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5

Acronyms and Abbreviations:

b: High recovery in an ICS for lead in the presence of high concentrations of aluminum. Data quality was not affected by this detection.

ICS: Interference Check Standard

NTCRA: Non-Time-Critical Removal Action

PCBs: polychlorinated biphenyls

UJ: Indicates the compound or analyte was analyzed but not detected. The sample detection limit is an estimated value.

µg/100 cm^2: micrograms per 100 square centimeters

µg/ft^2: micrograms per square foot

Notes:

[a] Location ID corresponds to the Field ID in the Laboratory Analytical Reports.

[b] Media blank results and the lower of the duplicate clearance wipe sampling results were not used to calculate the average concentrations within each enclosure. Because PCBs were not reported at concetrations above laboratory analytical reporting limits in any of the clearance wipe samples, the values presented for PCBs are the maximum of the analytical reporting limits for each Aroclor.

Bolded values indicate constituents detected above laboratory reporting limits.

Shaded values indicate constituents detected above Clearance Goal.

"--" Not analyzed

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

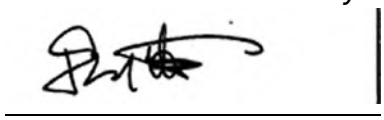
Lab Job Number: 470046
Report Level: II
Report Date: 10/11/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	470046
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/03/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C2E-PS-4.5-221003-P-G	470046-001	10/03/22 09:07	Wipe
CLEAR-ARCH-C2E-PS-4.5-221003-L-G	470046-002	10/03/22 09:07	Wipe
CLEAR-SCAF-Z2EA-L19-221003-P	470046-003	10/03/22 09:09	Wipe
CLEAR-SCAF-Z2EA-L19-221003-L	470046-004	10/03/22 09:09	Wipe
CLEAR-ENC-Z2EA-L19-221003-P	470046-005	10/03/22 09:12	Wipe
CLEAR-ENC-Z2EA-L19-221003-L	470046-006	10/03/22 09:12	Wipe
CLEAR-ARCH-C2E-DG-6 TO 6.5-221003-P-FB	470046-007	10/03/22 09:34	Wipe
CLEAR-ARCH-C2E-DG-6 TO 6.5-221003-P-DUP-FB	470046-008	10/03/22 09:34	Wipe
CLEAR-ARCH-C2E-DG-6 TO 6.5-221003-L-FB	470046-009	10/03/22 09:37	Wipe
CLEAR-SCAF-Z2EA-L14-221003-P	470046-010	10/03/22 09:45	Wipe
CLEAR-SCAF-Z2EA-L14-221003-L	470046-011	10/03/22 09:45	Wipe
CLEAR-ENC-Z2EA-L14-221003-P	470046-012	10/03/22 09:48	Wipe
CLEAR-ENC-Z2EA-L14-221003-L	470046-013	10/03/22 09:48	Wipe

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 470046 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/03/22

This data package contains sample and QC results for thirteen wipe samples, requested for the above referenced project on 10/04/22. The samples were received cold and intact.

PCBs (EPA 8082):

No analytical problems were encountered.

Metals (EPA 6010B):

- An interference check standard recovered slightly low for lead in the presence of high concentrations of aluminum. As it relates to these samples, the bias is insignificant; results are flagged "b", but there is no effect on the data quality.
- No analytical problems were encountered.

470046

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	CLEAR-ARCH-C2E-PS-4.5-221003-P-G	10/3/2022	0907	WP	1		X		
2	CLEAR-ARCH-C2E-PS-4.5-221003-L-G	10/3/2022	0907	WP	1			X	
3	CLEAR-SCAF-Z2EA-L19-221003-P	10/3/2022	0909	WP	1		X		
4	CLEAR-SCAF-Z2EA-L19-221003-L	10/3/2022	0909	WP	1			X	
5	CLEAR-ENC-Z2EA-L19-221003-P	10/3/2022	0917	WP	1		X		
6	CLEAR-ENC-Z2EA-L19-221003-L	10/3/2022	0917	WP	1			X	
7	CLEAR-ARCH-C2E-DG-6 TO 6.5-221003-P-FB	10/3/2022	0934	WP	1		X		
8	CLEAR-ARCH-C2E-DG-6 TO 6.5-221003-P-DUP-FB	10/3/2022	0934	WP	1		X		
9	CLEAR-ARCH-C2E-DG-6 TO 6.5-221003-L-FB	10/3/2022	0937	WP	1			X	
10	CLEAR-SCAF-Z2EA-L14-221003-P	10/3/2022	0945	WP	1		X		
11	CLEAR-SCAF-Z2EA-L14-221003-L	10/3/2022	0945	WP	1			X	
12	CLEAR-ENC-Z2EA-L14-221003-P	10/3/2022	0948	WP	1		X		
13	CLEAR-ENC-Z2EA-L14-221003-L	10/3/2022	0948	WP	1			X	
14	~~CLEAR-ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-221003-P-LA~~	10/3/2022		WP	1		X		
15	~~CLEAR-ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-221003-L-LA~~	10/3/2022		WP	1			X	

MK MK

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michael A Kim	Rincon / Env Scientist	10/3/22 @ 13:17
1 Received By:	Lindsay Hudson	LINDSAY HUDSON	ENTHALPY / E	10/3/22 @ 13:17
2 Relinquished By:	Lindsay Hudson			10/3/22 @ 15:46
2 Received By:		Maxwell 4P		10/3/22 1546
3 Relinquished By:		Jak Peterson	E.A.	10/3/22 16:59
3 Received By:		Brown	EA	10/4/22 1343

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 470046 Client: Ramsey

Date Received: 10/3/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 10/3/22 By (print) MM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?			✓
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 10/3/22 **By (print)** MM **(sign)** _____

Date Labeled 10/3/22 **By (print)** Jake Peterson **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

470046

Section 1

Client: Rincon Project: Hangar 1 NTCRA

Date Received: 10/4/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.9 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: GLS

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 2.3 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✔		
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: OCT 04 2022

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 557894717 **CPS**

ORANGE

S10003H

72762872

ORC CA927-EH1

Print Date: 10/3/2022 11:11 AM

Package 3 of 10

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

2.3 / 5.9

3/10

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470046 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C2E-PS-4.5-221003-P-G **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/03/22 **Analysis:** EPA 8082

Lab ID: 470046-001 **Received:** 10/03/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

DiIn Fac: 1.000 **Analyzed:** 10/06/22

470046-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470046-001 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	57	50-150

Field ID: CLEAR-SCAF-Z2EA-L19-221003-P **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/03/22 **Analysis:** EPA 8082

Lab ID: 470046-003 **Received:** 10/03/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

DiIn Fac: 1.000 **Analyzed:** 10/06/22

470046-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470046-003 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	60	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470046 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2EA-L19-221003-P **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/03/22 **Analysis:** EPA 8082

Lab ID: 470046-005 **Received:** 10/03/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

Diln Fac: 1.000 **Analyzed:** 10/06/22

470046-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470046-005 Surrogate	%REC	Limits
TCMX (PCB)	72	52-186
Decachlorobiphenyl (PCB)	68	50-150

Field ID: CLEAR-ARCH-C2E-DG-6 TO 6.5-221003-P-FB **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/03/22 **Analysis:** EPA 8082

Lab ID: 470046-007 **Received:** 10/03/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

Diln Fac: 1.000 **Analyzed:** 10/06/22

470046-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470046-007 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	63	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470046 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C2E-DG-6 TO 6.5-221003-P-DUP-FB **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/03/22 **Analysis:** EPA 8082

Lab ID: 470046-008 **Received:** 10/03/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

Dln Fac: 1.000 **Analyzed:** 10/06/22

470046-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470046-008 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	65	50-150

Field ID: CLEAR-SCAF-Z2EA-L14-221003-P **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/03/22 **Analysis:** EPA 8082

Lab ID: 470046-010 **Received:** 10/03/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

Dln Fac: 1.000 **Analyzed:** 10/06/22

470046-010 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470046-010 Surrogate	%REC	Limits
TCMX (PCB)	66	52-186
Decachlorobiphenyl (PCB)	59	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470046 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2EA-L14-221003-P **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/03/22 **Analysis:** EPA 8082

Lab ID: 470046-012 **Received:** 10/03/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

Diln Fac: 1.000 **Analyzed:** 10/06/22

470046-012 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470046-012 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	68	50-150

Type: BLANK **Batch#:** 298413 **Analysis:** EPA 8082

Lab ID: QC1017325 **Prepared:** 10/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/06/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1017325 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1017325 Surrogate	%REC	Limits
TCMX (PCB)	104	52-186
Decachlorobiphenyl (PCB)	92	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 470046 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298413 **Analysis:** EPA 8082

Lab ID: QC1017326 **Prepared:** 10/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/06/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1017326 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.773	95	60-140	ug/100 cm2
Aroclor-1260	5.000	4.738	95	60-140	ug/100 cm2

QC1017326 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	84	60-140

Type: BSD **Batch#:** 298413 **Analysis:** EPA 8082

Lab ID: QC1017327 **Prepared:** 10/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/06/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1017327 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.896	98	60-140	ug/100 cm2	3	20
Aroclor-1260	5.000	4.834	97	60-140	ug/100 cm2	2	20

QC1017327 Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	84	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 470046 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C2E-PS-4.5-221003-L-G **Batch#:** 298277 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/03/22 **Analysis:** EPA 6010B
Lab ID: 470046-002 **Received:** 10/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/05/22
Dln Fac: 1.000 **Analyzed:** 10/05/22

470046-002 Analyte	Result	RL	Units	Qual
Lead	**7.5**	0.54	ug/ft2	b

Field ID: CLEAR-SCAF-Z2EA-L19-221003-L **Batch#:** 298277 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/03/22 **Analysis:** EPA 6010B
Lab ID: 470046-004 **Received:** 10/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/05/22
Dln Fac: 1.000 **Analyzed:** 10/05/22

470046-004 Analyte	Result	RL	Units	Qual
Lead	**22**	0.54	ug/ft2	b

Field ID: CLEAR-ENC-Z2EA-L19-221003-L **Batch#:** 298277 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/03/22 **Analysis:** EPA 6010B
Lab ID: 470046-006 **Received:** 10/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/05/22
Dln Fac: 1.000 **Analyzed:** 10/05/22

470046-006 Analyte	Result	RL	Units	Qual
Lead	**15**	0.54	ug/ft2	b

Field ID: CLEAR-ARCH-C2E-DG-6 TO 6.5-221003-L-FB **Batch#:** 298277 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/03/22 **Analysis:** EPA 6010B
Lab ID: 470046-009 **Received:** 10/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/05/22
Dln Fac: 1.000 **Analyzed:** 10/05/22

470046-009 Analyte	Result	RL	Units	Qual
Lead	**1.7**	0.54	ug/ft2	b

Field ID: CLEAR-SCAF-Z2EA-L14-221003-L **Batch#:** 298277 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/03/22 **Analysis:** EPA 6010B
Lab ID: 470046-011 **Received:** 10/03/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/05/22
Dln Fac: 1.000 **Analyzed:** 10/05/22

470046-011 Analyte	Result	RL	Units	Qual
Lead	**48**	0.54	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 470046 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2EA-L14-221003-L **Batch#:** 298277 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 10/03/22 **Analysis:** EPA 6010B

Lab ID: 470046-013 **Received:** 10/03/22 **Analyst:** SBW

Matrix: Wipe **Prepared:** 10/05/22

Diln Fac: 1.000 **Analyzed:** 10/05/22

470046-013 Analyte	Result	RL	Units	Qual
Lead	**11**	0.54	ug/ft2	b

Type: BLANK **Batch#:** 298277 **Analysis:** EPA 6010B

Lab ID: QC1016962 **Prepared:** 10/05/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/05/22

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1016962 Analyte	Result	RL	Units
Lead	ND	0.54	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 470046 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298277 **Analysis:** EPA 6010B

Lab ID: QC1016963 **Prepared:** 10/05/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/05/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1016963 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	100.0	106.5	107	80-120	ug/ft2	b

Type: BSD **Batch#:** 298277 **Analysis:** EPA 6010B

Lab ID: QC1016964 **Prepared:** 10/05/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/05/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1016964 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	100.0	106.4	106	80-120	ug/ft2	0	20	b

Legend

RPD: Relative Percent Difference

b: See narrative

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

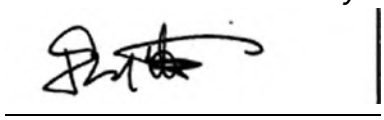
Lab Job Number: 470163
Report Level: II
Report Date: 10/11/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	470163
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/04/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-AFRAME-C1E-LAT-L3-DN-C1.3-DG-221004-P-LA	470163-001	10/04/22 11:31	Wipe
CLEAR-AFRAME-C1E-LAT-L3-DN-C1.3-DG-221004-L-LA	470163-002	10/04/22 11:31	Wipe
CLEAR-SCAF-Z2EA-L6-221004-P	470163-003	10/04/22 11:34	Wipe
CLEAR-SCAF-Z2EA-L6-221004-L	470163-004	10/04/22 11:34	Wipe
CLEAR-ENC-Z2EA-L6-221004-P	470163-005	10/04/22 11:37	Wipe
CLEAR-ENC-Z2EA-L6-221004-L	470163-006	10/04/22 11:37	Wipe
CLEAR-AFRAME-C2E-MED-L1-HS-3-221004-P-A	470163-007	10/04/22 12:05	Wipe
CLEAR-AFRAME-C2E-MED-L1-HS-3-221004-L-A	470163-008	10/04/22 12:05	Wipe
CLEAR-SCAF-Z2EA-L2-221004-P	470163-009	10/04/22 12:11	Wipe
CLEAR-SCAF-Z2EA-L2-221004-L	470163-010	10/04/22 12:11	Wipe
CLEAR-ENC-Z2EA-L2-221004-P	470163-011	10/04/22 12:13	Wipe
CLEAR-ENC-Z2EA-L2-221004-L	470163-012	10/04/22 12:13	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 470163 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/04/22

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 10/05/22. The samples were received cold and intact.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

470163

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim & B. Giddens

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	CLEAR-AFRAME-C1E-LAT-L3-DN-C1.3-DG-221004-P-LA	10/4/2022	1131	WP	1		X		
2	CLEAR-AFRAME-C1E-LAT-L3-DN-C1.3-DG-221004-L-LA	10/4/2022	1131	WP	1			X	
3	CLEAR-SCAF-Z2EA-L6-221004-P	10/4/2022	1134	WP	1		X		
4	CLEAR-SCAF-Z2EA-L6-221004-L	10/4/2022	1134	WP	1			X	
5	CLEAR-ENC-Z2EA-L6-221004-P	10/4/2022	1137	WP	1		X		
6	CLEAR-ENC-Z2EA-L6-221004-L	10/4/2022	1137	WP	1			X	
7	CLEAR-AFRAME-C2E-MED-L1-HS-3-221004-P-A	10/4/2022	1205	WP	1		X		
8	CLEAR-AFRAME-C2E-MED-L1-HS-3-221004-L-A	10/4/2022	1205	WP	1			X	
9	CLEAR-SCAF-Z2EA-L2-221004-P	10/4/2022	1211	WP	1		X		
10	CLEAR-SCAF-Z2EA-L2-221004-L	10/4/2022	1211	WP	1			X	
11	CLEAR-ENC-Z2EA-L2-221004-P	10/4/2022	1213	WP	1		X		
12	CLEAR-ENC-Z2EA-L2-221004-L	10/4/2022	1213	WP	1			X	
13									
14									
15									

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/ Env Scientist	10/4/22 @ 1351
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	10/4/22 13:51
2 Relinquished By:	Audrey Hudson	"	"	10/4/22 15:07
2 Received By:				10/4/22 15:07
3 Relinquished By:				
3 Received By:				10/5/22 1034

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 470163 Client: Ponton

Date Received: 10/4/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 10/4/22 By (print) My (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 10/4/22 **By (print)** My **(sign)** _____

Date Labeled 10/4/22 **By (print)** MK6 **(sign)** _____

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 10/5/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.1 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: GLS

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 10/5/22

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 557894720

CPS

ORANGE

S10003H

72762875

ORC CA927-EH1

Print Date: 10/3/2022 11:11 AM

Package 6 of 10

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

10/5/1

6/10

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470163 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-AFRAME-C1E-LAT-L3-DN-C1.3-DG-221004-P-LA **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 8082

Lab ID: 470163-001 **Received:** 10/04/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

Diln Fac: 1.000 **Analyzed:** 10/06/22

470163-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470163-001 Surrogate	%REC	Limits
TCMX (PCB)	76	52-186
Decachlorobiphenyl (PCB)	70	50-150

Field ID: CLEAR-SCAF-Z2EA-L6-221004-P **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 8082

Lab ID: 470163-003 **Received:** 10/04/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

Diln Fac: 1.000 **Analyzed:** 10/06/22

470163-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470163-003 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	71	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470163 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2EA-L6-221004-P **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 8082

Lab ID: 470163-005 **Received:** 10/04/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

DiIn Fac: 1.000 **Analyzed:** 10/07/22

470163-005 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470163-005 Surrogate	%REC	Limits
TCMX (PCB)	66	52-186
Decachlorobiphenyl (PCB)	57	50-150

Field ID: CLEAR-AFRAME-C2E-MED-L1-HS-3-221004-P-A **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 8082

Lab ID: 470163-007 **Received:** 10/04/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

DiIn Fac: 1.000 **Analyzed:** 10/07/22

470163-007 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470163-007 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	57	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470163 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z2EA-L2-221004-P **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 8082

Lab ID: 470163-009 **Received:** 10/04/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

Diln Fac: 1.000 **Analyzed:** 10/07/22

470163-009 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470163-009 Surrogate	%REC	Limits
TCMX (PCB)	69	52-186
Decachlorobiphenyl (PCB)	59	50-150

Field ID: CLEAR-ENC-Z2EA-L2-221004-P **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 8082

Lab ID: 470163-011 **Received:** 10/04/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

Diln Fac: 1.000 **Analyzed:** 10/07/22

470163-011 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470163-011 Surrogate	%REC	Limits
TCMX (PCB)	66	52-186
Decachlorobiphenyl (PCB)	59	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470163 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 298413 **Analysis:** EPA 8082

Lab ID: QC1017325 **Prepared:** 10/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/06/22

Dil'n Fac: 1.000 **Prep:** EPA 3580

QC1017325 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1017325 Surrogate	%REC	Limits
TCMX (PCB)	104	52-186
Decachlorobiphenyl (PCB)	92	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 470163 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298413 **Analysis:** EPA 8082

Lab ID: QC1017326 **Prepared:** 10/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/06/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1017326 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.773	95	60-140	ug/100 cm2
Aroclor-1260	5.000	4.738	95	60-140	ug/100 cm2

QC1017326 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	84	60-140

Type: BSD **Batch#:** 298413 **Analysis:** EPA 8082

Lab ID: QC1017327 **Prepared:** 10/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/06/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1017327 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.896	98	60-140	ug/100 cm2	3	20
Aroclor-1260	5.000	4.834	97	60-140	ug/100 cm2	2	20

QC1017327 Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	84	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 470163 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-AFRAME-C1E-LAT-L3-DN-C1.3-DG-221004-L-LA **Batch#:** 298371 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 6010B
Lab ID: 470163-002 **Received:** 10/04/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/06/22
Diln Fac: 1.000 **Analyzed:** 10/06/22

470163-002 Analyte	Result	RL	Units
Lead	**4.8**	0.54	ug/ft2

Field ID: CLEAR-SCAF-Z2EA-L6-221004-L **Batch#:** 298371 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 6010B
Lab ID: 470163-004 **Received:** 10/04/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/06/22
Diln Fac: 1.000 **Analyzed:** 10/06/22

470163-004 Analyte	Result	RL	Units
Lead	**360**	0.54	ug/ft2

Field ID: CLEAR-ENC-Z2EA-L6-221004-L **Batch#:** 298371 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 6010B
Lab ID: 470163-006 **Received:** 10/04/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/06/22
Diln Fac: 1.000 **Analyzed:** 10/06/22

470163-006 Analyte	Result	RL	Units
Lead	**50**	0.54	ug/ft2

Field ID: CLEAR-AFRAME-C2E-MED-L1-HS-3-221004-L-A **Batch#:** 298371 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 6010B
Lab ID: 470163-008 **Received:** 10/04/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/06/22
Diln Fac: 1.000 **Analyzed:** 10/06/22

470163-008 Analyte	Result	RL	Units
Lead	**1.6**	0.54	ug/ft2

Field ID: CLEAR-SCAF-Z2EA-L2-221004-L **Batch#:** 298371 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 6010B
Lab ID: 470163-010 **Received:** 10/04/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/06/22
Diln Fac: 1.000 **Analyzed:** 10/06/22

470163-010 Analyte	Result	RL	Units
Lead	**45**	0.54	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 470163 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2EA-L2-221004-L **Batch#:** 298371 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 6010B

Lab ID: 470163-012 **Received:** 10/04/22 **Analyst:** SBW

Matrix: Wipe **Prepared:** 10/06/22

Diln Fac: 1.000 **Analyzed:** 10/06/22

470163-012 Analyte	Result	RL	Units
Lead	**18**	0.54	ug/ft2

Type: BLANK **Batch#:** 298371 **Analysis:** EPA 6010B

Lab ID: QC1017188 **Prepared:** 10/06/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/06/22

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1017188 Analyte	Result	RL	Units	Qual
Lead	ND	0.50	ug/ft2	b

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 470163 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298371 **Analysis:** EPA 6010B

Lab ID: QC1017189 **Prepared:** 10/06/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/06/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1017189 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	102.6	103	80-120	ug/ft2

Type: BSD **Batch#:** 298371 **Analysis:** EPA 6010B

Lab ID: QC1017190 **Prepared:** 10/06/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/06/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1017190 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	102.2	102	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent Difference

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931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

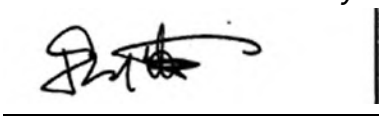
Lab Job Number: 470165
Report Level: II
Report Date: 10/12/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	470165
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/04/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-221004-P-LA	470165-001	10/04/22 10:57	Wipe
CLEAR-ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-221004-L-LA	470165-002	10/04/22 10:57	Wipe
CLEAR-SCAF-Z2EA-L9-221004-P	470165-003	10/04/22 11:01	Wipe
CLEAR-SCAF-Z2EA-L9-221004-L	470165-004	10/04/22 11:01	Wipe
CLEAR-SCAF-Z2EA-L9-221004-L-DUP	470165-005	10/04/22 11:02	Wipe
CLEAR-ENC-Z2EA-L9-221004-P	470165-006	10/04/22 11:06	Wipe
CLEAR-ENC-Z2EA-L9-221004-L	470165-007	10/04/22 11:07	Wipe
CLEAR-MEDBLANK-221004-P	470165-008	10/04/22 10:52	Wipe
CLEAR-MEDBLANK-221004-L	470165-009	10/04/22 10:52	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 470165 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/04/22

This data package contains sample and QC results for nine wipe samples, requested for the above referenced project on 10/05/22. The samples were received cold and intact.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

470165

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Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)					
Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

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931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim & B. Giddens

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	CLEAR-ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-221004-P-LA	10/4/2022	1057	WP	1		X			
2	CLEAR-ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-221004-L-LA	10/4/2022	1057	WP	1			X		
3	CLEAR-SCAF-Z2EA-L9-221004-P	10/4/2022	1101	WP	1		X			
4	CLEAR-SCAF-Z2EA-L9-221004-L	10/4/2022	1101	WP	1			X		
5	CLEAR-SCAF-Z2EA-L9-221004-L-DUP	10/4/2022	1102	WP	1			X		
6	CLEAR-ENC-Z2EA-L9-221004-P	10/4/2022	1106	WP	1		X			
7	CLEAR-ENC-Z2EA-L9-221004-L	10/4/2022	1107	WP	1			X		
8	CLEAR-MEDBLANK-221004-P	10/4/2022	1052	WP	1		X			Collected from Low Occupancy zone of Hangar 1
9	CLEAR-MEDBLANK-221004-L	10/4/2022	1052	WP	1			X		Collected from Low Occupancy zone of Hangar 1
10										
11										
12										
13										
14										
15										

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon / Env Scientist	10/4/22 @ 1351
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/4/22 1351
2 Relinquished By:	Audrey Hudson	"	"	10/4/22 15:07
2 Received By:				10/4/22 1507
3 Relinquished By:				
3 Received By:				10/5/22 1030

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 470165 Client: Ramon

Date Received: 10/4/22 Project: _____

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 10/4/22 By (print) My (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 10/4/22 **By (print)** My **(sign)** _____

Date Labeled 10/4/22 **By (print)** MS6 **(sign)** _____

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SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 10/5/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.1 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: GLS

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✓		
Are sample IDs present?	✓		
Are sampling dates & times present?	✓		
Is a relinquished signature present?	✓		
Are the tests required clearly indicated on the COC?	✓		
Are custody seals present?		✓	
If custody seals are present, were they intact?			✓
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)	✓		
Did all samples arrive intact? If no, indicate in Section 4 below.	✓		
Did all bottle labels agree with COC? (ID, dates and times)	✓		
Were the samples collected in the correct containers for the required tests?	✓		
Are the containers labeled with the correct preservatives?			✓
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✓
Was a sufficient amount of sample submitted for the requested tests?	✓		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 10/5/22

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www.enthalpy.com/socal

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD

Tracking #: 557894720

CPS

ORANGE

S10003H

72762875

ORC CA927-EH1

Print Date: 10/3/2022 11:11 AM

Package 6 of 10

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

10 151

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470165 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-221004-P-LA **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 8082

Lab ID: 470165-001 **Received:** 10/04/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

Dil Fac: 1.000 **Analyzed:** 10/07/22

470165-001 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470165-001 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	59	50-150

Field ID: CLEAR-SCAF-Z2EA-L9-221004-P **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 8082

Lab ID: 470165-003 **Received:** 10/04/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

Dil Fac: 1.000 **Analyzed:** 10/07/22

470165-003 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470165-003 Surrogate	%REC	Limits
TCMX (PCB)	60	52-186
Decachlorobiphenyl (PCB)	50	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470165 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2EA-L9-221004-P **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 8082

Lab ID: 470165-006 **Received:** 10/04/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 10/06/22

DiIn Fac: 1.000 **Analyzed:** 10/07/22

470165-006 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470165-006 Surrogate	%REC	Limits
TCMX (PCB)	59	52-186
Decachlorobiphenyl (PCB)	50	50-150

Field ID: CLEAR-MEDBLANK-221004-P **Batch#:** 298413 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 8082

Lab ID: 470165-008 **Received:** 10/04/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/06/22

DiIn Fac: 1.000 **Analyzed:** 10/07/22

470165-008 Analyte	Result	RL	Units
Aroclor-1016	ND	1.0	ug/100 cm2
Aroclor-1221	ND	1.0	ug/100 cm2
Aroclor-1232	ND	1.0	ug/100 cm2
Aroclor-1242	ND	1.0	ug/100 cm2
Aroclor-1248	ND	1.0	ug/100 cm2
Aroclor-1254	ND	1.0	ug/100 cm2
Aroclor-1260	ND	1.0	ug/100 cm2
Aroclor-1262	ND	1.0	ug/100 cm2
Aroclor-1268	ND	1.0	ug/100 cm2

470165-008 Surrogate	%REC	Limits
TCMX (PCB)	54	52-186
Decachlorobiphenyl (PCB)	51	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 470165 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 298413 **Analysis:** EPA 8082

Lab ID: QC1017325 **Prepared:** 10/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/06/22

Dil'n Fac: 1.000 **Prep:** EPA 3580

QC1017325 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1017325 Surrogate	%REC	Limits
TCMX (PCB)	104	52-186
Decachlorobiphenyl (PCB)	92	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 470165 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298413 **Analysis:** EPA 8082

Lab ID: QC1017326 **Prepared:** 10/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/06/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1017326 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.773	95	60-140	ug/100 cm2
Aroclor-1260	5.000	4.738	95	60-140	ug/100 cm2

QC1017326 Surrogate	%REC	Limits
TCMX (PCB)	94	52-186
Decachlorobiphenyl (PCB)	84	60-140

Type: BSD **Batch#:** 298413 **Analysis:** EPA 8082

Lab ID: QC1017327 **Prepared:** 10/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 10/06/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1017327 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.896	98	60-140	ug/100 cm2	3	20
Aroclor-1260	5.000	4.834	97	60-140	ug/100 cm2	2	20

QC1017327 Surrogate	%REC	Limits
TCMX (PCB)	96	52-186
Decachlorobiphenyl (PCB)	84	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 470165 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C1E-DG-7.5 TO 8-DN-C1.4-VS-221004-L-LA **Batch#:** 298371 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 6010B
Lab ID: 470165-002 **Received:** 10/04/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/06/22
Diln Fac: 1.000 **Analyzed:** 10/06/22

470165-002 Analyte	Result	RL	Units
Lead	**30**	0.54	ug/ft2

Field ID: CLEAR-SCAF-Z2EA-L9-221004-L **Batch#:** 298371 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 6010B
Lab ID: 470165-004 **Received:** 10/04/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/06/22
Diln Fac: 1.000 **Analyzed:** 10/06/22

470165-004 Analyte	Result	RL	Units
Lead	**220**	0.54	ug/ft2

Field ID: CLEAR-SCAF-Z2EA-L9-221004-L-DUP **Batch#:** 298371 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 6010B
Lab ID: 470165-005 **Received:** 10/04/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/06/22
Diln Fac: 1.000 **Analyzed:** 10/06/22

470165-005 Analyte	Result	RL	Units
Lead	**90**	0.54	ug/ft2

Field ID: CLEAR-ENC-Z2EA-L9-221004-L **Batch#:** 298371 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 6010B
Lab ID: 470165-007 **Received:** 10/04/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/06/22
Diln Fac: 1.000 **Analyzed:** 10/06/22

470165-007 Analyte	Result	RL	Units
Lead	**15**	0.54	ug/ft2

Field ID: CLEAR-MEDBLANK-221004-L **Batch#:** 298371 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/04/22 **Analysis:** EPA 6010B
Lab ID: 470165-009 **Received:** 10/04/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/06/22
Diln Fac: 1.000 **Analyzed:** 10/06/22

470165-009 Analyte	Result	RL	Units	Qual
Lead	ND	0.50	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 470165 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 298371 **Analysis:** EPA 6010B

Lab ID: QC1017188 **Prepared:** 10/06/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/06/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1017188 Analyte	Result	RL	Units	Qual
Lead	ND	0.50	ug/ft2	b

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 470165 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 298371 **Analysis:** EPA 6010B

Lab ID: QC1017189 **Prepared:** 10/06/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/06/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1017189 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	102.6	103	80-120	ug/ft2

Type: BSD **Batch#:** 298371 **Analysis:** EPA 6010B

Lab ID: QC1017190 **Prepared:** 10/06/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/06/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1017190 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	102.2	102	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

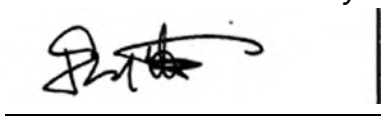
Lab Job Number:	471044
Report Level:	II
Report Date:	10/28/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	471044
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/18/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C2E-DG-2 TO 2.5-221018-P-FB	471044-001	10/18/22 08:25	Wipe
CLEAR-ARCH-C2E-DG-2 TO 2.5-221018-L-FB	471044-002	10/18/22 08:25	Wipe
CLEAR-SCAF-Z2EBC-L26-221018-P	471044-003	10/18/22 08:30	Wipe
CLEAR-SCAF-Z2EBC-L26-221018-L	471044-004	10/18/22 08:30	Wipe
CLEAR-SCAF-Z2EBC-L26-221018-L-DUP	471044-005	10/18/22 08:30	Wipe
CLEAR-ENC-Z2EBC-L26-221018-P	471044-006	10/18/22 08:35	Wipe
CLEAR-ENC-Z2EBC-L26-221018-L	471044-007	10/18/22 08:35	Wipe
CLEAR-ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221018-P-LA	471044-008	10/18/22 09:05	Wipe
CLEAR-ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221018-L-LA	471044-009	10/18/22 09:05	Wipe
CLEAR-SCAF-Z2EBC-L24-221018-P	471044-010	10/18/22 09:10	Wipe
CLEAR-SCAF-Z2EBC-L24-221018-L	471044-011	10/18/22 09:10	Wipe
CLEAR-ENC-Z2EBC-L24-221018-P	471044-012	10/18/22 09:15	Wipe
CLEAR-ENC-Z2EBC-L24-221018-L	471044-013	10/18/22 09:15	Wipe
CLEAR-ARCH-C2E-EXT-3 TO 4-221018-P-WF	471044-014	10/18/22 09:42	Wipe
CLEAR-ARCH-C2E-EXT-3 TO 4-221018-P-DUP-WF	471044-015	10/18/22 09:42	Wipe
CLEAR-ARCH-C2E-EXT-3 TO 4-221018-L-WF	471044-016	10/18/22 09:42	Wipe
CLEAR-SCAF-Z2EBC-L22-221018-P	471044-017	10/18/22 09:47	Wipe
CLEAR-SCAF-Z2EBC-L22-221018-L	471044-018	10/18/22 09:47	Wipe
CLEAR-ENC-Z2EBC-L22-221018-P	471044-019	10/18/22 09:52	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	471044
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/18/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-ENC-Z2EBC-L22-221018-L	471044-020	10/18/22 09:52	Wipe
CLEAR-ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221018-P-LA	471044-021	10/18/22 10:26	Wipe
CLEAR-ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221018-L-LA	471044-022	10/18/22 10:26	Wipe
CLEAR-SCAF-Z2EBC-L25-221018-P	471044-023	10/18/22 10:31	Wipe
CLEAR-SCAF-Z2EBC-L25-221018-L	471044-024	10/18/22 10:31	Wipe
CLEAR-ENC-Z2EBC-L25-221018-P	471044-025	10/18/22 10:36	Wipe
CLEAR-ENC-Z2EBC-L25-221018-L	471044-026	10/18/22 10:36	Wipe
CLEAR-ARCH-C2W-DG-3 TO 3.5-221018-P-FB	471044-027	10/18/22 11:10	Wipe
CLEAR-ARCH-C2W-DG-3 TO 3.5-221018-L-FB	471044-028	10/18/22 11:10	Wipe
CLEAR-SCAF-Z2EBC-L23-221018-P	471044-029	10/18/22 11:15	Wipe
CLEAR-SCAF-Z2EBC-L23-221018-L	471044-030	10/18/22 11:15	Wipe
CLEAR-ENC-Z2EBC-L23-221018-P	471044-031	10/18/22 11:20	Wipe
CLEAR-ENC-Z2EBC-L23-221018-L	471044-032	10/18/22 11:20	Wipe
CLEAR-MEDBLANK-221018-P	471044-033	10/18/22 10:20	Wipe
CLEAR-MEDBLANK-221018-L	471044-034	10/18/22 10:20	Wipe

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Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 471044 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/18/22

This data package contains sample and QC results for thirty four wipe samples, requested for the above referenced project on 10/19/22. The samples were received cold and intact.

PCBs (EPA 8082):

- High RPD was observed for Aroclor-1260 in the BS/BSD for batch 299221; this analyte was not detected at or above the RL in the associated samples.
- Low surrogate recovery was observed for decachlorobiphenyl (PCB) in the BS for batch 299221.
- No other analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

471044

ENTHALPY ANALYTICAL

Chain of Custody Record
COC ID:
Page: 1 of 3

Turn Around Time (rush by advanced notice only)
Standard: | X (PCBs) | 5 Day: | | 3 Day: |
2 Day: | | 1 Day: | X (Pb) | Custom TAT:

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other
Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim & D. Welsh

Test Instructions / Comments
Clearance Wipe Samples - Level II Report/Stage 2A Validation
Report PCB concentrations on a µg/100cm² basis
Report lead concentrations on a µg/ft² basis
Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure B/C

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	CLEAR-ARCH-C2E-DG-2 TO 2.5-221018-P-FB	10/18/2022	0825	WP	1		X		
2	CLEAR-ARCH-C2E-DG-2 TO 2.5-221018-L-FB	10/18/2022	0825	WP	1			X	
3	CLEAR-SCAF-Z2EBC-L26-221018-P	10/18/2022	0830	WP	1		X		
4	CLEAR-SCAF-Z2EBC-L26-221018-L	10/18/2022	0830	WP	1			X	
5	CLEAR-SCAF-Z2EBC-L26-221018-L-DUP	10/18/2022	0830	WP	1			X	
6	CLEAR-ENC-Z2EBC-L26-221018-P MK	10/18/2022	0835	WP	1		X		
7	CLEAR-ENC-Z2EBC-L26-221018-L	10/18/2022	0835	WP	1			X	
8	CLEAR-ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221018-P-LA	10/18/2022	0905	WP	1		X		
9	CLEAR-ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221018-L-LA	10/18/2022	0905	WP	1			X	
10	CLEAR-SCAF-Z2EBC-L24-221018-P	10/18/2022	0910	WP	1		X		
11	CLEAR-SCAF-Z2EBC-L24-221018-L	10/18/2022	0910	WP	1			X	
12	CLEAR-ENC-Z2EBC-L24-221018-P	10/18/2022	0915	WP	1		X		
13	CLEAR-ENC-Z2EBC-L24-221018-L	10/18/2022	0915	WP	1			X	
14	CLEAR-ARCH-C2E-EXT-3 TO 4-221018-P-WF	10/18/2022	0942	WP	1		X		
15	CLEAR-ARCH-C2E-EXT-3 TO 4-221018-P-DUP-WF	10/18/2022	0942	WP	1		X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/Env Scientist	10/18/22 @ 1500
[1] Received By:		Brayett	EA	10/18/22 1500
[2] Relinquished By:		Francisco Ulloa	EA	10/19/22 16:29
[2] Received By:		Glenn	EA	OCT 19 2022 11:30
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Arcadis

Project: Hangar 1 NCTRA WP

Date Received: 10/18/22

Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2)

Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: 557998874 GLS

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 5.1 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: OCT 19 2022

471044

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim & D. Welsh

Analysis Request

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure B/C

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	CLEAR-ARCH-C2E-DG-2 TO 2.5-221018-P-FB	10/18/2022	0825	WP	1		X		
2	CLEAR-ARCH-C2E-DG-2 TO 2.5-221018-L-FB	10/18/2022	0825	WP	1			X	
3	CLEAR-SCAF-Z2EBC-L26-221018-P	10/18/2022	0830	WP	1		X		
4	CLEAR-SCAF-Z2EBC-L26-221018-L	10/18/2022	0830	WP	1			X	
5	CLEAR-SCAF-Z2EBC-L26-221018-L-DUP	10/18/2022	0830	WP	1			X	
6	CLEAR-ENC-Z2EBC-L26-221018-P	10/18/2022	0835	WP	1		X		
7	CLEAR-ENC-Z2EBC-L26-221018-L	10/18/2022	0835	WP	1			X	
8	CLEAR-ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221018-P-LA	10/18/2022	0905	WP	1		X		
9	CLEAR-ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221018-L-LA	10/18/2022	0905	WP	1			X	
10	CLEAR-SCAF-Z2EBC-L24-221018-P	10/18/2022	0910	WP	1		X		
11	CLEAR-SCAF-Z2EBC-L24-221018-L	10/18/2022	0910	WP	1			X	
12	CLEAR-ENC-Z2EBC-L24-221018-P	10/18/2022	0915	WP	1		X		
13	CLEAR-ENC-Z2EBC-L24-221018-L	10/18/2022	0915	WP	1			X	
14	CLEAR-ARCH-C2E-EXT-3 TO 4-221018-P-WF	10/18/2022	0942	WP	1		X		
15	CLEAR-ARCH-C2E-EXT-3 TO 4-221018-P-DUP-WF	10/18/2022	0942	WP	1		X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/Env Scientist	10/18/22 @ 1500
[1] Received By:		Brandt	EA	10/18/22 1500
[2] Relinquished By:		Brandt	EA	10/18/22 16:27
[2] Received By:		Chan	EA	OCT 19 2022 11:00
[3] Relinquished By:				
[3] Received By:				

471044

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 2 of 3

Turn Around Time (rush by advanced notice only)

Standard: | X (PCBs) | 5 Day: | | 3 Day: |
2 Day: | | 1 Day: | X (Pb) | Custom TAT:

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim & D. Welsh

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
16	CLEAR-ARCH-C2E-EXT-3 TO 4-221018-L-WF	10/18/2022	0942	WP	1			X	
17	CLEAR-SCAF-Z2EBC-L22-221018-P	10/18/2022	0947	WP	1		X		
18	CLEAR-SCAF-Z2EBC-L22-221018-L	10/18/2022	0947	WP	1			X	
19	CLEAR-ENC-Z2EBC-L22-221018-P	10/18/2022	0952	WP	1		X		
20	CLEAR-ENC-Z2EBC-L22-221018-L	10/18/2022	0952	WP	1			X	
21	CLEAR-ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221018-P-LA	10/18/2022	1026	WP	1		X		
22	CLEAR-ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221018-L-LA	10/18/2022	1026	WP	1			X	
23	CLEAR-SCAF-Z2EBC-L25-221018-P	10/18/2022	1031	WP	1		X		
24	CLEAR-SCAF-Z2EBC-L25-221018-L	10/18/2022	1031	WP	1			X	
25	CLEAR-ENC-Z2EBC-L25-221018-P	10/18/2022	1036	WP	1		X		
26	CLEAR-ENC-Z2EBC-L25-221018-L	10/18/2022	1036	WP	1			X	
27	CLEAR-ARCH-C2W-DG-3 TO 3.5-221018-P-FB	10/18/2022	1110	WP	1		X		
28	CLEAR-ARCH-C2W-DG-3 TO 3.5-221018-L-FB	10/18/2022	1110	WP	1			X	
29	CLEAR-SCAF-Z2EBC-L23-221018-P	10/18/2022	1115	WP	1		X		
30	CLEAR-SCAF-Z2EBC-L23-221018-L	10/18/2022	1115	WP	1			X	

Analysis Request

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure B/C

1x Rivet Type 2 = 0.0100 ft²

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/Env Scientist	10/18/22 @1500
[1] Received By:		Doug-ek	EA	10/18/22 1503
[2] Relinquished By:		Marcus T Kay	EA	10/18/22 16:29
[2] Received By:		GHM	GA	OCT 19 2022 11:33
[3] Relinquished By:				
[3] Received By:				

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Arcadis Project: Hangar 1 NCTRA WP

Date Received: 10/18/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 5.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: 557998874 GLS

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 5.1 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: OCT 19 2022

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 471044 Client: Ramcon

Date Received: 10/18/22 Project: _____

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 10/18/22 By (print) MM (sign) _____

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☐ B ☐ C

Cooler Temp (°C): #1: _____, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 10/18/22 **By (print)** MM **(sign)** _____

Date Labeled 10/18/22 **By (print)** MM **(sign)** _____

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Ship To
ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: *STANDARD*

Tracking #: 557998874

NPS

ORANGE

S10003H

73575685

ORC CA927-EH0

Print Date: 10/17/2022 11:26 AM

Package 7 of 20

LABEL INSTRUCTIONS:

Do *not* copy *or reprint* this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

5.6 / 5.1

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C2E-DG-2 TO 2.5-221018-P-FB **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-001 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/25/22

471044-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-001 Surrogate	%REC	Limits
TCMX (PCB)	65	52-186
Decachlorobiphenyl (PCB)	58	50-150

Field ID: CLEAR-SCAF-Z2EBC-L26-221018-P **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-003 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/25/22

471044-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-003 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	70	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2EBC-L26-221018-P **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-006 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/25/22

471044-006 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-006 Surrogate	%REC	Limits
TCMX (PCB)	68	52-186
Decachlorobiphenyl (PCB)	79	50-150

Field ID: CLEAR-ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221018-P-LA **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-008 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/26/22

471044-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-008 Surrogate	%REC	Limits
TCMX (PCB)	58	52-186
Decachlorobiphenyl (PCB)	67	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z2EBC-L24-221018-P **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-010 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/26/22

471044-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-010 Surrogate	%REC	Limits
TCMX (PCB)	59	52-186
Decachlorobiphenyl (PCB)	69	50-150

Field ID: CLEAR-ENC-Z2EBC-L24-221018-P **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-012 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/26/22

471044-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-012 Surrogate	%REC	Limits
TCMX (PCB)	58	52-186
Decachlorobiphenyl (PCB)	64	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C2E-EXT-3 TO 4-221018-P-WF **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-014 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/26/22

471044-014 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-014 Surrogate	%REC	Limits
TCMX (PCB)	61	52-186
Decachlorobiphenyl (PCB)	72	50-150

Field ID: CLEAR-ARCH-C2E-EXT-3 TO 4-221018-P-DUP-WF **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-015 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/26/22

471044-015 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-015 Surrogate	%REC	Limits
TCMX (PCB)	59	52-186
Decachlorobiphenyl (PCB)	62	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z2EBC-L22-221018-P **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-017 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/26/22

471044-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-017 Surrogate	%REC	Limits
TCMX (PCB)	55	52-186
Decachlorobiphenyl (PCB)	59	50-150

Field ID: CLEAR-ENC-Z2EBC-L22-221018-P **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-019 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/26/22

471044-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-019 Surrogate	%REC	Limits
TCMX (PCB)	58	52-186
Decachlorobiphenyl (PCB)	68	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221018-P-LA **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-021 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/26/22

471044-021 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-021 Surrogate	%REC	Limits
TCMX (PCB)	61	52-186
Decachlorobiphenyl (PCB)	67	50-150

Field ID: CLEAR-SCAF-Z2EBC-L25-221018-P **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-023 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/26/22

471044-023 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-023 Surrogate	%REC	Limits
TCMX (PCB)	57	52-186
Decachlorobiphenyl (PCB)	61	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2EBC-L25-221018-P **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-025 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/26/22

471044-025 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-025 Surrogate	%REC	Limits
TCMX (PCB)	55	52-186
Decachlorobiphenyl (PCB)	56	50-150

Field ID: CLEAR-ARCH-C2W-DG-3 TO 3.5-221018-P-FB **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-027 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/26/22

471044-027 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-027 Surrogate	%REC	Limits
TCMX (PCB)	59	52-186
Decachlorobiphenyl (PCB)	62	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z2EBC-L23-221018-P **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-029 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/26/22

471044-029 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-029 Surrogate	%REC	Limits
TCMX (PCB)	54	52-186
Decachlorobiphenyl (PCB)	60	50-150

Field ID: CLEAR-ENC-Z2EBC-L23-221018-P **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-031 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/26/22

471044-031 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-031 Surrogate	%REC	Limits
TCMX (PCB)	58	52-186
Decachlorobiphenyl (PCB)	62	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-MEDBLANK-221018-P **Batch#:** 299221 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 8082

Lab ID: 471044-033 **Received:** 10/18/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 10/19/22

Diln Fac: 1.000 **Analyzed:** 10/25/22

471044-033 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471044-033 Surrogate	%REC	Limits
TCMX (PCB)	56	52-186
Decachlorobiphenyl (PCB)	60	50-150

Type: BLANK **Batch#:** 299221 **Analysis:** EPA 8082

Lab ID: QC1019916 **Prepared:** 10/19/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/26/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1019916 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.25	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.25	ug/100 cm2
Aroclor-1248	ND	0.25	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.25	ug/100 cm2

QC1019916 Surrogate	%REC	Limits
TCMX (PCB)	80	52-186
Decachlorobiphenyl (PCB)	102	60-140

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 299221 **Analysis:** EPA 8082

Lab ID: QC1019917 **Prepared:** 10/19/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/25/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1019917 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.172	83	60-140	ug/100 cm2
Aroclor-1260	5.000	3.550	71	60-140	ug/100 cm2

QC1019917 Surrogate	%REC	Limits
TCMX (PCB)	75	52-186
Decachlorobiphenyl (PCB)	54 *	60-140

Type: BSD **Batch#:** 299221 **Analysis:** EPA 8082

Lab ID: QC1019918 **Prepared:** 10/19/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 10/25/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1019918 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	5.034	101	60-140	ug/100 cm2	19	20
Aroclor-1260	5.000	5.392	108	60-140	ug/100 cm2	41 *	20

QC1019918 Surrogate	%REC	Limits
TCMX (PCB)	88	52-186
Decachlorobiphenyl (PCB)	98	60-140

Legend

*: Value is outside QC limits

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C2E-DG-2 TO 2.5-221018-L-FB **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-002 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-002 Analyte	Result	RL	Units
Lead	**3.5**	0.54	ug/ft2

Field ID: CLEAR-SCAF-Z2EBC-L26-221018-L **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-004 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-004 Analyte	Result	RL	Units
Lead	**27**	0.54	ug/ft2

Field ID: CLEAR-SCAF-Z2EBC-L26-221018-L-DUP **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-005 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-005 Analyte	Result	RL	Units
Lead	**50**	0.54	ug/ft2

Field ID: CLEAR-ENC-Z2EBC-L26-221018-L **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-007 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-007 Analyte	Result	RL	Units
Lead	**17**	0.54	ug/ft2

Field ID: CLEAR-ARCH-C2E-DG-2.5 TO 3-DN-C2.4-DG-221018-L-LA **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-009 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-009 Analyte	Result	RL	Units
Lead	**2.3**	0.54	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z2EBC-L24-221018-L **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-011 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-011 Analyte	Result	RL	Units
Lead	**33**	0.54	ug/ft2

Field ID: CLEAR-ENC-Z2EBC-L24-221018-L **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-013 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-013 Analyte	Result	RL	Units
Lead	**4.4**	0.54	ug/ft2

Field ID: CLEAR-ARCH-C2E-EXT-3 TO 4-221018-L-WF **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-016 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-016 Analyte	Result	RL	Units
Lead	**4.9**	0.54	ug/ft2

Field ID: CLEAR-SCAF-Z2EBC-L22-221018-L **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-018 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-018 Analyte	Result	RL	Units
Lead	**90**	0.54	ug/ft2

Field ID: CLEAR-ENC-Z2EBC-L22-221018-L **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-020 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-020 Analyte	Result	RL	Units
Lead	**100**	0.54	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C2W-DG-2 TO 2.5-UP-C2.4-HS-221018-L-LA **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-022 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-022 Analyte	Result	RL	Units
Lead	**2.4**	0.54	ug/ft2

Field ID: CLEAR-SCAF-Z2EBC-L25-221018-L **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-024 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-024 Analyte	Result	RL	Units
Lead	**13**	0.54	ug/ft2

Field ID: CLEAR-ENC-Z2EBC-L25-221018-L **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-026 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-026 Analyte	Result	RL	Units
Lead	**3.7**	0.54	ug/ft2

Field ID: CLEAR-ARCH-C2W-DG-3 TO 3.5-221018-L-FB **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-028 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-028 Analyte	Result	RL	Units
Lead	**2.7**	0.54	ug/ft2

Field ID: CLEAR-SCAF-Z2EBC-L23-221018-L **Batch#:** 299220 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B
Lab ID: 471044-030 **Received:** 10/18/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/19/22
Diln Fac: 1.000 **Analyzed:** 10/20/22

471044-030 Analyte	Result	RL	Units
Lead	**41**	0.54	ug/ft2

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Lead

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2EBC-L23-221018-L **Batch#:** 299220 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B

Lab ID: 471044-032 **Received:** 10/18/22 **Analyst:** SBW

Matrix: Wipe **Prepared:** 10/19/22

Dil n Fac: 1.000 **Analyzed:** 10/20/22

471044-032 Analyte	Result	RL	Units
Lead	**17**	0.54	ug/ft2

Field ID: CLEAR-MEDBLANK-221018-L **Batch#:** 299220 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 10/18/22 **Analysis:** EPA 6010B

Lab ID: 471044-034 **Received:** 10/18/22 **Analyst:** SBW

Matrix: Wipe **Prepared:** 10/19/22

Dil n Fac: 1.000 **Analyzed:** 10/19/22

471044-034 Analyte	Result	RL	Units	Qual
Lead	ND	0.50	ug/ft2	b

Type: BLANK **Batch#:** 299220 **Analysis:** EPA 6010B

Lab ID: QC1019852 **Prepared:** 10/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/19/22

Dil n Fac: 1.000 **Prep:** EPA 3050B

QC1019852 Analyte	Result	RL	Units	Qual
Lead	ND	0.50	ug/ft2	b

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 471044 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 299220 **Analysis:** EPA 6010B

Lab ID: QC1019854 **Prepared:** 10/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/20/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1019854 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	102.0	102	80-120	ug/ft2

Type: BSD **Batch#:** 299220 **Analysis:** EPA 6010B

Lab ID: QC1019855 **Prepared:** 10/19/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 10/20/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1019855 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	104.6	105	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

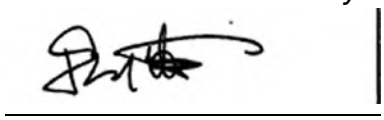
Lab Job Number: 471469
Report Level: II
Report Date: 11/09/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	471469
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/25/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C2W-DG-1.5 TO 2-221025-P-FB	471469-001	10/25/22 10:40	Wipe
CLEAR-ARCH-C2W-DG-1.5 TO 2-221025-L-FB	471469-002	10/25/22 10:45	Wipe
CLEAR-ARCH-C2W-DG-1.5 TO 2-221025-L-DUP-FB	471469-003	10/25/22 10:50	Wipe
CLEAR-SCAF-Z2EBC-L26-221025-P	471469-004	10/25/22 10:55	Wipe
CLEAR-SCAF-Z2EBC-L26-221025-L	471469-005	10/25/22 11:00	Wipe
CLEAR-ENC-Z2EBC-L26-221025-P	471469-006	10/25/22 11:05	Wipe
CLEAR-ENC-Z2EBC-L26-221025-L	471469-007	10/25/22 11:10	Wipe
CLEAR-ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221025-P-LA	471469-008	10/25/22 09:40	Wipe
CLEAR-ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221025-L-LA	471469-009	10/25/22 09:45	Wipe
CLEAR-SCAF-Z2EBC-L24-221025-P	471469-010	10/25/22 09:50	Wipe
CLEAR-SCAF-Z2EBC-L24-221025-L	471469-011	10/25/22 09:55	Wipe
CLEAR-ENC-Z2EBC-L24-221025-P	471469-012	10/25/22 10:00	Wipe
CLEAR-ENC-Z2EBC-L24-221025-P-DUP	471469-013	10/25/22 10:05	Wipe
CLEAR-ENC-Z2EBC-L24-221025-L	471469-014	10/25/22 10:10	Wipe
CLEAR-ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221025-P-LA	471469-015	10/25/22 08:45	Wipe
CLEAR-ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221025-L-LA	471469-016	10/25/22 08:45	Wipe
CLEAR-SCAF-Z2EBC-L22-221025-P	471469-017	10/25/22 08:50	Wipe
CLEAR-SCAF-Z2EBC-L22-221025-L	471469-018	10/25/22 08:50	Wipe
CLEAR-ENC-Z2EBC-L22-221025-P	471469-019	10/25/22 08:55	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	471469
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	10/25/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-ENC-Z2EBC-L22-221025-L	471469-020	10/25/22 08:55	Wipe
CLEAR-ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221025-P-LA	471469-021	10/25/22 11:20	Wipe
CLEAR-ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221025-L-LA	471469-022	10/25/22 11:25	Wipe
CLEAR-SCAF-Z2EBC-L25-221025-P	471469-023	10/25/22 11:30	Wipe
CLEAR-SCAF-Z2EBC-L25-221025-L	471469-024	10/25/22 11:40	Wipe
CLEAR-ENC-Z2EBC-L25-221025-P	471469-025	10/25/22 11:45	Wipe
CLEAR-ENC-Z2EBC-L25-221025-L	471469-026	10/25/22 11:50	Wipe
CLEAR-ARCH-C2E-DG-3 TO 3.5-221025-P-FB	471469-027	10/25/22 11:55	Wipe
CLEAR-ARCH-C2E-DG-3 TO 3.5-221025-L-FB	471469-028	10/25/22 12:00	Wipe
CLEAR-SCAF-Z2EBC-L23-221025-P	471469-029	10/25/22 13:30	Wipe
CLEAR-SCAF-Z2EBC-L23-221025-L	471469-030	10/25/22 13:25	Wipe
CLEAR-ENC-Z2EBC-L23-221025-P	471469-031	10/25/22 13:40	Wipe
CLEAR-ENC-Z2EBC-L23-221025-L	471469-032	10/25/22 13:35	Wipe
CLEAR-MEDBLANK-221025-P	471469-033	10/25/22 11:45	Wipe
CLEAR-MEDBLANK-221025-L	471469-034	10/25/22 11:50	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 471469 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 10/25/22

This data package contains sample and QC results for thirty four wipe samples, requested for the above referenced project on 10/26/22. The samples were received cold and intact. This report was reissued on 11/9/22 to revise certain RLs.

PCBs (EPA 8082):

- Marginally low surrogate recoveries were observed for TCMX (PCB) in most samples; the DCB recoveries were within limits.
- No other analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

471469

ENTHALPY ANALYTICAL

Chain of Custody Record
COC ID:

Page: 1 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange
931 W. Barkley Avenue, Orange, CA 92868
Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	D. Welsh & K. Campbell

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation
Report PCB concentrations on a µg/100cm² basis
Report lead concentrations on a µg/ft² basis
Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure B/C

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	
1	CLEAR-ARCH-C2W-DG-1.5 TO 2-221025-P-FB	10/25/2022	1040	WP	1		X			
2	CLEAR-ARCH-C2W-DG-1.5 TO 2-221025-L-FB	10/25/2022	1045	WP	1			X		
3	CLEAR-ARCH-C2W-DG-1.5 TO 2-221025-L-DUP-FB	10/25/2022	1050	WP	1			X		
4	CLEAR-SCAF-Z2EBC-L26-221025-P	10/25/2022	1055	WP	1		X			
5	CLEAR-SCAF-Z2EBC-L26-221025-L	10/25/2022	1100	WP	1			X		
6	CLEAR-ENC-Z2EBC-L26-221025-P	10/25/2022	1105	WP	1		X			
7	CLEAR-ENC-Z2EBC-L26-221025-L	10/25/2022	1110	WP	1			X		
8	CLEAR-ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221025-P-LA	10/25/2022	0940	WP	1		X			
9	CLEAR-ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221025-L-LA	10/25/2022	0945	WP	1			X		2xrinse2= 0.0200ft²
10	CLEAR-SCAF-Z2EBC-L24-221025-P	10/25/2022	0950	WP	1		X			
11	CLEAR-SCAF-Z2EBC-L24-221025-L	10/25/2022	0955	WP	1			X		
12	CLEAR-ENC-Z2EBC-L24-221025-P	10/25/2022	1000	WP	1		X			
13	CLEAR-ENC-Z2EBC-L24-221025-P-DUP	10/25/2022	1005	WP	1		X			
14	CLEAR-ENC-Z2EBC-L24-221025-L	10/25/2022	1010	WP	1			X		
15	CLEAR-ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221025-P-LA	10/25/2022	0845	WP	1		X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon	10/25/22 1453
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/25/22 14:53
2 Relinquished By:	Audrey Hudson	"	"	10/25/22 16:20
2 Received By:		Mayumi Ito	EA	10/25/22 16:20
3 Relinquished By:		Jake Robertson	EA	10/26/22 17:08
3 Received By:		FEDEX	EA	10/26/22 1045

471465

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim & D. Welsh

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Analysis Request: PCBs - EPA Method 8082	Analysis Request: Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	CLEAR-ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221025-L-LA	10/25/2022	0845	WP	1			X		2 x rivet 2 = 0.0200 ft²
17	CLEAR-SCAF-Z2EBC-L22-221025-P	10/25/2022	0850	WP	1		X			
18	CLEAR-SCAF-Z2EBC-L22-221025-L	10/25/2022	0850	WP	1			X		
19	CLEAR-ENC-Z2EBC-L22-221025-P	10/25/2022	0855	WP	1		X			
20	CLEAR-ENC-Z2EBC-L22-221025-L	10/25/2022	0855	WP	1			X		
21	CLEAR-ARCH-C1E-DG-2 TO 2 .5-UP-C1.3-HS-221025-P-LA	10/25/2022	1120	WP	1		X			
22	CLEAR-ARCH-C1E-DG-2 TO 2 .5-UP-C1.3-HS-221025-L-LA	10/25/2022	1125	WP	1			X		1 x rivet 2 = 0.0200 ft²
23	CLEAR-SCAF-Z2EBC-L25-221025-P	10/25/2022	1130	WP	1		X			
24	CLEAR-SCAF-Z2EBC-L25-221025-L	10/25/2022	KC ~~1145~~ 1140	WP	1			X		
25	CLEAR-ENC-Z2EBC-L25-221025-P	10/25/2022	1145	WP	1		X			
26	CLEAR-ENC-Z2EBC-L25-221025-L	10/25/2022	1150	WP	1			X		
27	CLEAR-ARCH-C2E-DG-3 TO 3.5-221025-P-FB	10/25/2022	1155	WP	1		X			
28	CLEAR-ARCH-C2E-DG-3 TO 3.5-221025-L-FB	10/25/2022	1200	WP	1			X		
29	CLEAR-SCAF-Z2EBC-L23-221025-P	10/25/2022	1330	WP	1		X			
30	CLEAR-SCAF-Z2EBC-L23-221025-L	10/25/2022	1325	WP	1			X		

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon	10/25/22 1453
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	10/25/22 14:53
[2] Relinquished By:	Audrey Hudson	"	"	10/26/22 16:20
[2] Received By:			RA	10/25 1620
[3] Relinquished By:			EA	10.25.22 17:08
[3] Received By:				

471469

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 3 of 3

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy-Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim & D. Welsh

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
31	CLEAR-ENC-Z2EBC-L23-221025-P	10/25/2022	1340	WP	1		X		
32	CLEAR-ENC-Z2EBC-L23-221025-L	10/25/2022	1335	WP	1			X	
33	CLEAR-MEDBLANK-221025-P	10/25/2022	1145	WP	1		X		
34	CLEAR-MEDBLANK-221025-L	10/25/2022	1150	WP	1			X	
35									
36									
37									
38									
39									
40									
41									
42									
43									
44									
45									

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure B/C

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon	10/25/22 1453
[1] Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	10/25/22 14:53
[2] Relinquished By:	Audrey Hudson	"	"	10/25/22 16:20
[2] Received By:		Marcus Jones	EA	10/25/22 1620
[3] Relinquished By:		Jak Peterson		10.25.22 17:08
[3] Received By:				

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 471469 Client: RINCON

Date Received: 10.25.22 Project: Haight 1 - NCTRA WP

ENTHALPY

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☐ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 10.25.22 By (print) Jak Peterson (sign) [signature]

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☐ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☐ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☑ B ☐ C

Cooler Temp (°C): #1: 0.7, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 10.25.22 **By (print)** JP for MY **(sign)** [signature]

Date Labeled 10.25.22 **By (print)** Jak Peterson **(sign)** [signature]

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 10/26/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 4.6 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: GLS

Section 3

Was the cooler packed with: ☑ Ice ☑ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 4.0 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?			✔
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 10/26/22

GLS.

800-322-5555
www.gls-us.com

Ship From
ENTHALPY ANALYTICAL
BERKELEY SERVICE CENTER
2323 5TH STREET
BERKELEY, CA 94710

Tracking #: 558049289 **NPS**



Ship To
ENTHALPY ANALYTICAL (ORG)
SAMPLE RECEIVING
931 W BARKLEY AVE.
ORANGE, CA 92868

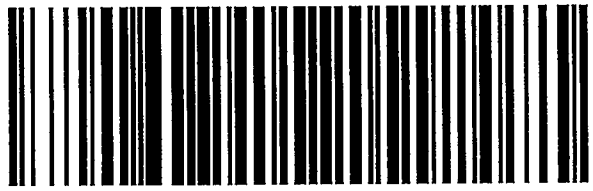
ORANGE

S10003H 4.6/40

COD: $0.00
Weight: 0 lb(s)
Reference:

Delivery Instructions:

Signature Type: STANDARD



73972083

ORC CA927-EH0

Print Date: 10/24/2022 10:33 AM

Package 4 of 20

LABEL INSTRUCTIONS:

Do not copy or reprint this label for additional shipments - each package must have a unique barcode.
Step 1: Use the "Print Label" button on this page to print the shipping label on a laser or inkjet printer.
Step 2: Fold this page in half.
Step 3: Securely attach this label to your package and do not cover the barcode.

TERMS AND CONDITIONS:

By giving us your shipment to deliver, you agree to all of the General Logistics Systems US, Inc. (GLS) service terms & conditions including, but not limited to; limits of liability, declared value conditions, and claim procedures which are available on our website at www.gls-us.com.

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C2W-DG-1.5 TO 2-221025-P-FB **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-001 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/01/22

Diln Fac: 1.000 **Analyzed:** 11/03/22

471469-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-001 Surrogate	%REC	Limits
TCMX (PCB)	48 *	52-186
Decachlorobiphenyl (PCB)	51	50-150

Field ID: CLEAR-SCAF-Z2EBC-L26-221025-P **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-004 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/01/22

Diln Fac: 1.000 **Analyzed:** 11/03/22

471469-004 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-004 Surrogate	%REC	Limits
TCMX (PCB)	48 *	52-186
Decachlorobiphenyl (PCB)	57	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2EBC-L26-221025-P **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-006 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/01/22

Diln Fac: 1.000 **Analyzed:** 11/03/22

471469-006 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-006 Surrogate	%REC	Limits
TCMX (PCB)	47 *	52-186
Decachlorobiphenyl (PCB)	61	50-150

Field ID: CLEAR-ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221025-P-LA **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-008 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/01/22

Diln Fac: 1.000 **Analyzed:** 11/03/22

471469-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-008 Surrogate	%REC	Limits
TCMX (PCB)	50 *	52-186
Decachlorobiphenyl (PCB)	71	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z2EBC-L24-221025-P **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-010 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/02/22

Dil Fac: 1.000 **Analyzed:** 11/03/22

471469-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-010 Surrogate	%REC	Limits
TCMX (PCB)	46 *	52-186
Decachlorobiphenyl (PCB)	69	50-150

Field ID: CLEAR-ENC-Z2EBC-L24-221025-P **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-012 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/01/22

Dil Fac: 1.000 **Analyzed:** 11/03/22

471469-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-012 Surrogate	%REC	Limits
TCMX (PCB)	49 *	52-186
Decachlorobiphenyl (PCB)	72	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2EBC-L24-221025-P-DUP **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-013 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/01/22

DiIn Fac: 1.000 **Analyzed:** 11/03/22

471469-013 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.51	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-013 Surrogate	%REC	Limits
TCMX (PCB)	45 *	52-186
Decachlorobiphenyl (PCB)	64	50-150

Field ID: CLEAR-ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221025-P-LA **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-015 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/02/22

DiIn Fac: 1.000 **Analyzed:** 11/02/22

471469-015 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-015 Surrogate	%REC	Limits
TCMX (PCB)	53	52-186
Decachlorobiphenyl (PCB)	57	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z2EBC-L22-221025-P **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-017 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/02/22

Diln Fac: 1.000 **Analyzed:** 11/02/22

471469-017 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-017 Surrogate	%REC	Limits
TCMX (PCB)	54	52-186
Decachlorobiphenyl (PCB)	53	50-150

Field ID: CLEAR-ENC-Z2EBC-L22-221025-P **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-019 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/02/22

Diln Fac: 1.000 **Analyzed:** 11/02/22

471469-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-019 Surrogate	%REC	Limits
TCMX (PCB)	55	52-186
Decachlorobiphenyl (PCB)	57	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221025-P-LA **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-021 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/02/22

Dil Fac: 1.000 **Analyzed:** 11/02/22

471469-021 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-021 Surrogate	%REC	Limits
TCMX (PCB)	58	52-186
Decachlorobiphenyl (PCB)	66	50-150

Field ID: CLEAR-SCAF-Z2EBC-L25-221025-P **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-023 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/02/22

Dil Fac: 1.000 **Analyzed:** 11/03/22

471469-023 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.65	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.66	ug/100 cm2
Aroclor-1248	ND	0.74	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-023 Surrogate	%REC	Limits
TCMX (PCB)	47 *	52-186
Decachlorobiphenyl (PCB)	59	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2EBC-L25-221025-P **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-025 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/02/22

Diln Fac: 1.000 **Analyzed:** 11/02/22

471469-025 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-025 Surrogate	%REC	Limits
TCMX (PCB)	53	52-186
Decachlorobiphenyl (PCB)	57	50-150

Field ID: CLEAR-ARCH-C2E-DG-3 TO 3.5-221025-P-FB **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-027 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/02/22

Diln Fac: 1.000 **Analyzed:** 11/02/22

471469-027 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-027 Surrogate	%REC	Limits
TCMX (PCB)	53	52-186
Decachlorobiphenyl (PCB)	59	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z2EBC-L23-221025-P **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-029 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/02/22

Diln Fac: 1.000 **Analyzed:** 11/02/22

471469-029 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-029 Surrogate	%REC	Limits
TCMX (PCB)	63	52-186
Decachlorobiphenyl (PCB)	69	50-150

Field ID: CLEAR-ENC-Z2EBC-L23-221025-P **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-031 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/02/22

Diln Fac: 1.000 **Analyzed:** 11/02/22

471469-031 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-031 Surrogate	%REC	Limits
TCMX (PCB)	55	52-186
Decachlorobiphenyl (PCB)	58	50-150

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs)

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-MEDBLANK-221025-P **Batch#:** 299724 **Prep:** EPA 3580

Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 8082

Lab ID: 471469-033 **Received:** 10/25/22 **Analyst:** TRN

Matrix: Wipe **Prepared:** 11/02/22

Diln Fac: 1.000 **Analyzed:** 11/02/22

471469-033 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

471469-033 Surrogate	%REC	Limits
TCMX (PCB)	57	52-186
Decachlorobiphenyl (PCB)	60	50-150

Type: BLANK **Batch#:** 299724 **Analysis:** EPA 8082

Lab ID: QC1021392 **Prepared:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/02/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1021392 Analyte	Result	RL	Units
Aroclor-1016	ND	0.25	ug/100 cm2
Aroclor-1221	ND	0.32	ug/100 cm2
Aroclor-1232	ND	0.25	ug/100 cm2
Aroclor-1242	ND	0.33	ug/100 cm2
Aroclor-1248	ND	0.37	ug/100 cm2
Aroclor-1254	ND	0.25	ug/100 cm2
Aroclor-1260	ND	0.25	ug/100 cm2
Aroclor-1262	ND	0.25	ug/100 cm2
Aroclor-1268	ND	0.25	ug/100 cm2

QC1021392 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	69	60-140

Legend

***:** Value is outside QC limits

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Polychlorinated Biphenyls (PCBs): Batch QC

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 299724 **Analysis:** EPA 8082

Lab ID: QC1021393 **Prepared:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/02/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1021393 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.332	67	60-140	ug/100 cm2
Aroclor-1260	5.000	3.663	73	60-140	ug/100 cm2

QC1021393 Surrogate	%REC	Limits
TCMX (PCB)	64	52-186
Decachlorobiphenyl (PCB)	65	60-140

Type: BSD **Batch#:** 299724 **Analysis:** EPA 8082

Lab ID: QC1021394 **Prepared:** 11/01/22 **Analyst:** TRN

Matrix: Wipe **Analyzed:** 11/02/22

Diln Fac: 1.000 **Prep:** EPA 3580

QC1021394 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.364	67	60-140	ug/100 cm2	1	20
Aroclor-1260	5.000	4.158	83	60-140	ug/100 cm2	13	20

QC1021394 Surrogate	%REC	Limits
TCMX (PCB)	67	52-186
Decachlorobiphenyl (PCB)	85	60-140

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C2W-DG-1.5 TO 2-221025-L-FB **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-002 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-002 Analyte	Result	RL	Units
Lead	**1.6**	0.54	ug/ft2

Field ID: CLEAR-ARCH-C2W-DG-1.5 TO 2-221025-L-DUP-FB **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-003 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-003 Analyte	Result	RL	Units
Lead	**1.2**	0.54	ug/ft2

Field ID: CLEAR-SCAF-Z2EBC-L26-221025-L **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-005 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-005 Analyte	Result	RL	Units
Lead	**51**	0.54	ug/ft2

Field ID: CLEAR-ENC-Z2EBC-L26-221025-L **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-007 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-007 Analyte	Result	RL	Units
Lead	**84**	0.54	ug/ft2

Field ID: CLEAR-ARCH-C1W-DG-2.5 TO 3-DN-C1.5-VS-221025-L-LA **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-009 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-009 Analyte	Result	RL	Units
Lead	**8.9**	0.53	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z2EBC-L24-221025-L **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-011 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-011 Analyte	Result	RL	Units
Lead	**260**	0.54	ug/ft2

Field ID: CLEAR-ENC-Z2EBC-L24-221025-L **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-014 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-014 Analyte	Result	RL	Units
Lead	**22**	0.54	ug/ft2

Field ID: CLEAR-ARCH-C2W-DG-3 TO 3.5-DN-C2.4-VS-221025-L-LA **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-016 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-016 Analyte	Result	RL	Units
Lead	**400**	0.53	ug/ft2

Field ID: CLEAR-SCAF-Z2EBC-L22-221025-L **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-018 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-018 Analyte	Result	RL	Units
Lead	**300**	0.54	ug/ft2

Field ID: CLEAR-ENC-Z2EBC-L22-221025-L **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-020 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-020 Analyte	Result	RL	Units
Lead	**40**	0.54	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C1E-DG-2 TO 2.5-UP-C1.3-HS-221025-L-LA **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-022 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-022 Analyte	Result	RL	Units
Lead	**9.9**	0.53	ug/ft2

Field ID: CLEAR-SCAF-Z2EBC-L25-221025-L **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-024 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-024 Analyte	Result	RL	Units
Lead	**530**	0.54	ug/ft2

Field ID: CLEAR-ENC-Z2EBC-L25-221025-L **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-026 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-026 Analyte	Result	RL	Units
Lead	**32**	0.54	ug/ft2

Field ID: CLEAR-ARCH-C2E-DG-3 TO 3.5-221025-L-FB **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-028 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-028 Analyte	Result	RL	Units
Lead	**2.3**	0.54	ug/ft2

Field ID: CLEAR-SCAF-Z2EBC-L23-221025-L **Batch#:** 299788 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-030 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/27/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-030 Analyte	Result	RL	Units
Lead	**150**	0.54	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2EBC-L23-221025-L **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-032 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-032 Analyte	Result	RL	Units
Lead	**4.9**	0.54	ug/ft2

Field ID: CLEAR-MEDBLANK-221025-L **Batch#:** 299716 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 10/25/22 **Analysis:** EPA 6010B
Lab ID: 471469-034 **Received:** 10/25/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 10/26/22
Diln Fac: 1.000 **Analyzed:** 10/27/22

471469-034 Analyte	Result	RL	Units
Lead	ND	0.54	ug/ft2

Type: BLANK **Batch#:** 299716 **Analysis:** EPA 6010B
Lab ID: QC1021361 **Prepared:** 10/26/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/27/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1021361 Analyte	Result	RL	Units
Lead	ND	0.54	ug/ft2

Type: BLANK **Batch#:** 299788 **Analysis:** EPA 6010B
Lab ID: QC1021564 **Prepared:** 10/27/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/27/22
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1021564 Analyte	Result	RL	Units	Qual
Lead	ND	0.50	ug/ft2	b

Legend
ND: Not Detected
RL: Reporting Limit
b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 471469 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 299716 **Analysis:** EPA 6010B
Lab ID: QC1021362 **Prepared:** 10/26/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/27/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1021362 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	116.9	117	80-120	ug/ft2

Type: BS **Batch#:** 299788 **Analysis:** EPA 6010B
Lab ID: QC1021565 **Prepared:** 10/27/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/27/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1021565 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	114.2	114	80-120	ug/ft2

Type: BSD **Batch#:** 299716 **Analysis:** EPA 6010B
Lab ID: QC1021363 **Prepared:** 10/26/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/27/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1021363 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	110.4	110	80-120	ug/ft2	6	20

Type: BSD **Batch#:** 299788 **Analysis:** EPA 6010B
Lab ID: QC1021566 **Prepared:** 10/27/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 10/27/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1021566 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	113.7	114	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent Difference

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

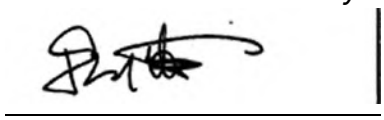
Lab Job Number: 473538
Report Level: II
Report Date: 12/08/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	473538
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	11/21/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-AFRAME-C2W-MED-L3-DN-C2.4-DG-221121-P-LA	473538-001	11/21/22 09:25	Wipe
CLEAR-AFRAME-C2W-MED-L3-DN-C2.4-DG-221121-L-LA	473538-002	11/21/22 09:25	Wipe
CLEAR-SCAF-Z2ED-L6-221121-P	473538-003	11/21/22 09:26	Wipe
CLEAR-SCAF-Z2ED-L6-221121-L	473538-004	11/21/22 09:26	Wipe
CLEAR-ENC-Z2ED-L6-221121-P	473538-005	11/21/22 09:27	Wipe
CLEAR-ENC-Z2ED-L6-221121-L	473538-006	11/21/22 09:27	Wipe
CLEAR-AFRAME-C2W-MED-L1-HS-3-221121-P-A	473538-007	11/21/22 09:50	Wipe
CLEAR-AFRAME-C2W-MED-L1-HS-3-221121-L-A	473538-008	11/21/22 09:50	Wipe
CLEAR-SCAF-Z2ED-L2-221121-P	473538-009	11/21/22 09:55	Wipe
CLEAR-SCAF-Z2ED-L2-221121-L	473538-010	11/21/22 09:55	Wipe
CLEAR-ENC-Z2ED-L2-221121-P	473538-011	11/21/22 09:56	Wipe
CLEAR-ENC-Z2ED-L2-221121-L	473538-012	11/21/22 09:56	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 473538 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 11/21/22

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 11/22/22. The samples were received cold and intact.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

473538

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 1

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92858

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	CLEAR-AFRAME-C2W-MED-L3-DN-C2.4-DG-221121-P-LA	11/21/2022	0925	WP	1		X		
2	CLEAR-AFRAME-C2W-MED-L3-DN-C2.4-DG-221121-L-LA	11/21/2022	0925	WP	1			X	
3	CLEAR-SCAF-Z2ED-L6-221121-P	11/21/2022	0926	WP	1		X		
4	CLEAR-SCAF-Z2ED-L6-221121-L	11/21/2022	0926	WP	1			X	
5	CLEAR-ENC-Z2ED-L6-221121-P	11/21/2022	0927	WP	1		X		
6	CLEAR-ENC-Z2ED-L6-221121-L	11/21/2022	0927	WP	1			X	
7	CLEAR-AFRAME-C2W-MED-L1-HS-3-221121-P-A	11/21/2022	0950	WP	1		X		
8	CLEAR-AFRAME-C2W-MED-L1-HS-3-221121-L-A	11/21/2022	0950	WP	1			X	
9	CLEAR-SCAF-Z2ED-L2-221121-P	11/21/2022	0955	WP	1		X		
10	CLEAR-SCAF-Z2ED-L2-221121-L	11/21/2022	0955	WP	1			X	
11	CLEAR-ENC-Z2ED-L2-221121-P	11/21/2022	0956	WP	1		X		
12	CLEAR-ENC-Z2ED-L2-221121-L	11/21/2022	0956	WP	1			X	
13									
14									
15									

Analysis Request

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure D (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Michaela Kim	Rincon/Env Scientist	11/21/22 @ 1337
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	11/21/22 1337
2 Relinquished By:	Audrey Hudson	"	"	11/21/22 15:50
2 Received By:				11/21/22 15:50
3 Relinquished By:		Jak Pierson	EA	11.21.22 16:58
3 Received By:			EA	11/22/22 0735

1.6/3.4

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 473938 Client: Duncan

Date Received: 11/21/22 Project: 20-10491

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No **(skip Section 3 below)**

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 11.21.22 By (print) Jak Peterson (sign) [signature]

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☑ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☑ B ☐ C

Cooler Temp (°C): #1: 1.6, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?	✓		
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: _____

Date Logged in 11/21/22 **By (print)** _____ **(sign)** _____

Date Labeled 11.21.22 **By (print)** Jak Peterson **(sign)** [signature]

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 11/22/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: TPX

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?		✔	
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/22/22

Enthalpy Analytical - Orange Analytical Report

Lab #: 473538 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-AFRAME-C2W-MED-L3-DN-C2.4-DG-221121-P-LA **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473538-001 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473538-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473538-001 Surrogate	%REC	Limits
TCMX (PCB)	54	19-121
Decachlorobiphenyl (PCB)	53	19-121

Field ID: CLEAR-SCAF-Z2ED-L6-221121-P **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473538-003 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473538-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473538-003 Surrogate	%REC	Limits
TCMX (PCB)	56	19-121
Decachlorobiphenyl (PCB)	42	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473538 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2ED-L6-221121-P **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473538-005 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/07/22

473538-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473538-005 Surrogate	%REC	Limits
TCMX (PCB)	56	19-121
Decachlorobiphenyl (PCB)	44	19-121

Field ID: CLEAR-AFRAME-C2W-MED-L1-HS-3-221121-P-A **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473538-007 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/07/22

473538-007 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473538-007 Surrogate	%REC	Limits
TCMX (PCB)	91	19-121
Decachlorobiphenyl (PCB)	69	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473538 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z2ED-L2-221121-P **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473538-009 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/07/22

473538-009 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473538-009 Surrogate	%REC	Limits
TCMX (PCB)	73	19-121
Decachlorobiphenyl (PCB)	56	19-121

Field ID: CLEAR-ENC-Z2ED-L2-221121-P **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473538-011 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/07/22

473538-011 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473538-011 Surrogate	%REC	Limits
TCMX (PCB)	81	19-121
Decachlorobiphenyl (PCB)	61	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473538 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BLANK **Batch#:** 302518 **Analysis:** EPA 8082

Lab ID: QC1030057 **Prepared:** 12/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 12/06/22

Dil'n Fac: 1.000 **Prep:** EPA 3546

QC1030057 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1030057 Surrogate	%REC	Limits
TCMX (PCB)	76	19-121
Decachlorobiphenyl (PCB)	55	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 473538 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 302518 **Analysis:** EPA 8082

Lab ID: QC1030058 **Prepared:** 12/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 12/06/22

Diln Fac: 1.000 **Prep:** EPA 3546

QC1030058 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	4.052	81	60-140	ug/100 cm2
Aroclor-1260	5.000	3.485	70	60-140	ug/100 cm2

QC1030058 Surrogate	%REC	Limits
TCMX (PCB)	82	19-121
Decachlorobiphenyl (PCB)	67	19-121

Type: BSD **Batch#:** 302518 **Analysis:** EPA 8082

Lab ID: QC1030059 **Prepared:** 12/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 12/06/22

Diln Fac: 1.000 **Prep:** EPA 3546

QC1030059 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.235	85	60-140	ug/100 cm2	4	20
Aroclor-1260	5.000	3.813	76	60-140	ug/100 cm2	9	20

QC1030059 Surrogate	%REC	Limits
TCMX (PCB)	84	19-121
Decachlorobiphenyl (PCB)	71	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 473538 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-AFRAME-C2W-MED-L3-DN-C2.4-DG-221121-L-LA **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473538-002 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Diln Fac: 1.000 **Analyzed:** 11/23/22

473538-002 Analyte	Result	RL	Units	Qual
Lead	**10**	0.50	ug/ft2	b

Field ID: CLEAR-SCAF-Z2ED-L6-221121-L **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473538-004 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Diln Fac: 1.000 **Analyzed:** 11/23/22

473538-004 Analyte	Result	RL	Units	Qual
Lead	**130**	0.50	ug/ft2	b

Field ID: CLEAR-ENC-Z2ED-L6-221121-L **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473538-006 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Diln Fac: 1.000 **Analyzed:** 11/23/22

473538-006 Analyte	Result	RL	Units	Qual
Lead	**63**	0.50	ug/ft2	b

Field ID: CLEAR-AFRAME-C2W-MED-L1-HS-3-221121-L-A **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473538-008 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Diln Fac: 1.000 **Analyzed:** 11/23/22

473538-008 Analyte	Result	RL	Units	Qual
Lead	**6.5**	0.50	ug/ft2	b

Field ID: CLEAR-SCAF-Z2ED-L2-221121-L **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473538-010 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Diln Fac: 1.000 **Analyzed:** 11/23/22

473538-010 Analyte	Result	RL	Units	Qual
Lead	**240**	0.50	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 473538 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2ED-L2-221121-L **Batch#:** 301705 **Prep:** EPA 3050B

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B

Lab ID: 473538-012 **Received:** 11/21/22 **Analyst:** SBW

Matrix: Wipe **Prepared:** 11/23/22

Diln Fac: 1.000 **Analyzed:** 11/23/22

473538-012 Analyte	Result	RL	Units	Qual
Lead	**57**	0.50	ug/ft2	b

Type: BLANK **Batch#:** 301705 **Analysis:** EPA 6010B

Lab ID: QC1027639 **Prepared:** 11/23/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 11/23/22

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1027639 Analyte	Result	RL	Units	Qual
Lead	ND	0.50	ug/ft2	b

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 473538 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 301705 **Analysis:** EPA 6010B

Lab ID: QC1027640 **Prepared:** 11/23/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 11/23/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1027640 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	100.0	105.0	105	80-120	ug/ft2	b

Type: BSD **Batch#:** 301705 **Analysis:** EPA 6010B

Lab ID: QC1027641 **Prepared:** 11/23/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 11/23/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1027641 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	100.0	108.9	109	80-120	ug/ft2	4	20	b

Legend

RPD: Relative Percent Difference

b: See narrative

Enthalpy Analytical
931 West Barkley Ave
Orange, CA 92868
(714) 771-6900

enthalpy.com

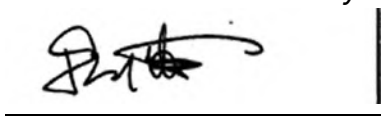
Lab Job Number: 473543
Report Level: II
Report Date: 12/08/2022

Analytical Report *prepared for:*

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Project: 20-10491 - Hangar 1 NTCRA

Authorized for release by:



John Goyette, Service Center Manager
(510) 204-2233 Ext 13112
john.goyette@enthalpy.com

This data package has been reviewed for technical correctness and completeness. Release of this data has been authorized by the Laboratory Manager or the Manager's designee, as verified by the above signature which applies to this PDF file as well as any associated electronic data deliverable files. The results contained in this report meet all requirements of NELAP and pertain only to those samples which were submitted for analysis. This report may be reproduced only in its entirety.

CA ELAP# 1338, NELAP# 4038, SCAQMD LAP# 18LA0518, LACSD ID# 10105

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	473543
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	11/21/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-ARCH-C2W-PS-4.5-221121-P-G	473543-001	11/21/22 07:57	Wipe
CLEAR-ARCH-C2W-PS-4.5-221121-L-G	473543-002	11/21/22 07:57	Wipe
CLEAR-SCAF-Z2ED-L19-221121-P	473543-003	11/21/22 07:56	Wipe
CLEAR-SCAF-Z2ED-L19-221121-L	473543-004	11/21/22 07:56	Wipe
CLEAR-ENC-Z2ED-L19-221121-P	473543-005	11/21/22 07:55	Wipe
CLEAR-ENC-Z2ED-L19-221121-L	473543-006	11/21/22 07:55	Wipe
CLEAR-ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221121-P-LA	473543-007	11/21/22 08:20	Wipe
CLEAR-ARCH-C2W-DG-6TO6.5-UP-C2.2-HM-221121-P-DUP-L	473543-008	11/21/22 08:18	Wipe
CLEAR-ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221121-L-LA	473543-009	11/21/22 08:18	Wipe
CLEAR-SCAF-Z2ED-L15-221121-P	473543-010	11/21/22 08:25	Wipe
CLEAR-SCAF-Z2ED-L15-221121-L	473543-011	11/21/22 08:25	Wipe
CLEAR-ENC-Z2ED-L15-221121-P	473543-012	11/21/22 08:25	Wipe
CLEAR-ENC-Z2ED-L15-221121-L	473543-013	11/21/22 08:28	Wipe
CLEAR-ARCH-C2W-EXT-7 TO 8-221121-P-WF	473543-014	11/21/22 08:50	Wipe
CLEAR-ARCH-C2W-EXT-7 TO 8-221121-L-WF	473543-015	11/21/22 08:51	Wipe
CLEAR-SCAF-Z2ED-L11-221121-P	473543-016	11/21/22 08:51	Wipe
CLEAR-SCAF-Z2ED-L11-221121-L	473543-017	11/21/22 08:51	Wipe
CLEAR-SCAF-Z2ED-L11-221121-L-DUP	473543-018	11/21/22 08:51	Wipe
CLEAR-ENC-Z2ED-L11-221121-P	473543-019	11/21/22 08:53	Wipe
CLEAR-ENC-Z2ED-L11-221121-L	473543-020	11/21/22 08:53	Wipe
CLEAR-MEDBLANK-221121-P	473543-021	11/21/22 09:00	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Lindsay Parker
Rincon Consultants
449 15th Street
#303
Oakland, CA 94612

Lab Job #:	473543
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	11/21/22

Sample ID	Lab ID	Collected	Matrix
CLEAR-MEDBLANK-221121-L	473543-022	11/21/22 09:00	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 473543 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 11/21/22

This data package contains sample and QC results for twenty two wipe samples, requested for the above referenced project on 11/22/22. The samples were received cold and intact.

PCBs (EPA 8082):
No analytical problems were encountered.

Metals (EPA 6010B):
No analytical problems were encountered.

~~47543~~ 473548

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

Test Instructions / Comments

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure D (Low Occupancy)

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	CLEAR-ARCH-C2W-PS-4.5-221121-P-G	11/21/2022	0757	WP	1		X		
2	CLEAR-ARCH-C2W-PS-4.5-221121-L-G	11/21/2022	0757	WP	1			X	
3	CLEAR-SCAF-Z2ED-L19-221121-P	11/21/2022	0756	WP	1		X		
4	CLEAR-SCAF-Z2ED-L19-221121-L	11/21/2022	0756	WP	1			X	
5	CLEAR-ENC-Z2ED-L19-221121-P	11/21/2022	0755	WP	1		X		
6	CLEAR-ENC-Z2ED-L19-221121-L	11/21/2022	0755	WP	1			X	
7	CLEAR-ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221121-P-LA	11/21/2022	0820	WP	1		X		
8	CLEAR-ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221121-P-DUP-LA	11/21/2022	0819	WP	1		X		
9	CLEAR-ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221121-L-LA	11/21/2022	0818	WP	1			X	
10	CLEAR-SCAF-Z2ED-L15-221121-P	11/21/2022	0825	WP	1		X		
11	CLEAR-SCAF-Z2ED-L15-221121-L	11/21/2022	0825	WP	1			X	
12	CLEAR-ENC-Z2ED-L15-221121-P	11/21/2022	0826	WP	1		X		
13	CLEAR-ENC-Z2ED-L15-221121-L	11/21/2022	0828	WP	1			X	
14	CLEAR-ARCH-C2W-EXT-7 TO 8-221121-P-WF	11/21/2022	0850	WP	1		X		
15	CLEAR-ARCH-C2W-EXT-7 TO 8-221121-L-WF	11/21/2022	0851	WP	1			X	

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michael Akim	Rincon/Env Scientist	11/21/22 @ 1337
[1] Received By:	Audrey Hudson	Audrey Hudson	Enthalpy	11/21/22 13:37
[2] Relinquished By:	Audrey Hudson	"	"	11/21/22 15:50
[2] Received By:		Mpoccerwlup	FedEx	11/21/22 15:50
[3] Relinquished By:		Jak Peterson	EA	11.21.22 16:58
[3] Received By:		FedEx	EA	11/22/22 0730

1.c/3.4

473543

ENTHALPY ANALYTICAL

Chain of Custody Record — COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (Pb)	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air S = Soil/Solid W = Water DW = Drinking Wate SD = Sediment PP = Pure Product SEA = Sea Water SW = Swab T = Tissue WP = Wipe O = Other

Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 5 = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	Quote #:	RIN031721
Report To:	Lindsay Parker	Proj. Name:	Hangar 1 - NCTRA WP
Email:	lparker@rinconconsultants.com	Proj. #:	20-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(651) 890-9556	Global ID:	
Fax:		Sampled By:	M. Kim

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	CLEAR-SCAF-Z2ED-L11-221121-P	11/21/2022	0851	WP	1		X			
17	CLEAR-SCAF-Z2ED-L11-221121-L	11/21/2022	0851	WP	1			X		
18	CLEAR-SCAF-Z2ED-L11-221121-L-DUP	11/21/2022	0851	WP	1			X		
19	CLEAR-ENC-Z2ED-L11-221121-P	11/21/2022	0853	WP	1		X			
20	CLEAR-ENC-Z2ED-L11-221121-L	11/21/2022	0853	WP	1			X		
21	CLEAR-MEDBLANK-221121-P	11/21/2022	0900	WP	1		X			Collected from Low Occupancy zone of Hangar 1
22	CLEAR-MEDBLANK-221121-L	11/21/2022	0900	WP	1			X		Collected from Low Occupancy zone of Hangar 1
23										
24										
25										
26										
27										
28										
29										
30										

Analysis Request

Clearance Wipe Samples - Level II Report/Stage 2A Validation

Report PCB concentrations on a µg/100cm² basis

Report lead concentrations on a µg/ft² basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 2 Enclosure A (Low Occupancy)

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Michaela Kim	Rincon/Env Scientist	11/21/22 1357
[1] Received By:	Audrey Hudson	Audrey Hudson	Enthalpy	11/21/22 13:37
[2] Relinquished By:	Audrey Hudson	"	"	11/21/22 15:50
[2] Received By:				11/21/22 15:50
[3] Relinquished By:		Jak Peterson	EA	11.21.22 16:58
[3] Received By:				11/22/22 0735

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 4735 Client: Kinder Morgan

Date Received: 11/21/22 Project: 20-10491

Section 2: Shipping info (if applicable) _____

Are custody seals present? ☑ No, or ☐ Yes. If yes, where? ☐ on cooler, ☐ on samples, ☐ on package

☐ Date: _____ How many _____ ☐ Signature, ☐ Initials, ☐ None

Were custody seals intact upon arrival? ☐ Yes ☐ No ☐ N/A

Samples received in a cooler? ☑ Yes, how many? 1 ☐ No (**skip Section 3 below**)

If no cooler Sample Temp (°C): _____ using IR Gun # ☐ B, or ☐ C

☑ Samples received on ice directly from the field. Cooling process had begun

If in cooler: Date Opened 11.21.22 By (print) Jak Peterson (sign) [signature]

Section 3: ***Important*: Notify PM if temperature exceeds 6°C or arrive frozen.**

Packing in cooler: (if other, describe) _____

☐ Bubble Wrap, ☐ Foam blocks, ☑ Bags, ☐ None, ☐ Cloth material, ☐ Cardboard, ☐ Styrofoam, ☐ Paper towels

☑ Samples received on ice directly from the field. Cooling process had begun

Type of ice used : ☑ Wet, ☐ Blue/Gel, ☐ None Temperature blank(s) included? ☑ Yes, ☐ No

Temperature measured using ☐ Thermometer ID: _____, or IR Gun # ☑ B ☐ C

Cooler Temp (°C): #1: 1.6, #2: _____, #3: _____, #4: _____, #5: _____, #6: _____, #7: _____

Section 4:	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable	✓		
Were Method 5035 sampling containers present?		✓	
If YES, what time were they transferred to freezer? _____			
Did all bottles arrive unbroken/unopened?	✓		
Are there any missing / extra samples?		✓	
Are samples in the appropriate containers for indicated tests?	✓		
Are sample labels present, in good condition and complete?	✓		
Does the container count match the COC?	✓		
Do the sample labels agree with custody papers?		✓	
Was sufficient amount of sample sent for tests requested?	✓		
Did you change the hold time in LIMS for unpreserved VOAs?			✓
Did you change the hold time in LIMS for preserved terracores?			✓
Are bubbles > 6mm present in VOA samples?			✓
Was the client contacted concerning this sample delivery?		✓	
If YES, who was called? _____ By _____ Date: _____			

Section 5:	YES	NO	N/A
Are the samples appropriately preserved? (if N/A, skip the rest of section 5)			
Did you check preservatives for all bottles for each sample?			
Did you document your preservative check?			

pH strip lot# _____, pH strip lot# _____, pH strip lot# _____

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ on/at _____

☐ HCL lot# _____ added to samples _____ on/at _____

☐ HNO3 lot# _____ added to samples _____ on/at _____

☐ NaOH lot# _____ added to samples _____ on/at _____

Section 6:

Explanations/Comments: Sample 7 container "8:18", COC "0820", Sample 9 container "8:20", COC "0818"

Date Logged in 11/21/22 **By (print)** _____ **(sign)** _____

Date Labeled 11.21.22 **By (print)** Jak Peterson **(sign)** [signature]

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 11/22/22 Sampler's Name Present: ☑ Yes ☐ No

Section 2

Sample(s) received in a cooler? ☑ Yes, How many? 1 ☐ No (skip section 2) Sample Temp (°C) (No Cooler): _____

Sample Temp (°C), One from each cooler: #1: 3.4 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but not frozen (for Microbiology samples, acceptance range is < 10°C but not frozen). It is acceptable for samples collected the same day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: TPX

Section 3

Was the cooler packed with: ☑ Ice ☐ Ice Packs ☐ Bubble Wrap ☐ Styrofoam ☐ Paper ☐ None ☐ Other _____

Cooler Temp (°C): #1: 1.6 #2: _____ #3: _____ #4: _____

Section 4	YES	NO	N/A
Was a COC received?	✔		
Are sample IDs present?	✔		
Are sampling dates & times present?	✔		
Is a relinquished signature present?	✔		
Are the tests required clearly indicated on the COC?	✔		
Are custody seals present?		✔	
If custody seals are present, were they intact?		✔	
Are all samples sealed in plastic bags? (Recommended for Microbiology samples)			✔
Did all samples arrive intact? If no, indicate in Section 4 below.	✔		
Did all bottle labels agree with COC? (ID, dates and times)	✔		
Were the samples collected in the correct containers for the required tests?	✔		
Are the containers labeled with the correct preservatives?			✔
Is there headspace in the VOA vials greater than 5-6 mm in diameter?			✔
Was a sufficient amount of sample submitted for the requested tests?	✔		

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____

☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 11/22/22

Enthalpy Analytical - Orange Analytical Report

Lab #: 473543 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C2W-PS-4.5-221121-P-G **Batch#:** 302519 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473543-001 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/07/22

473543-001 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473543-001 Surrogate	%REC	Limits
TCMX (PCB)	55	19-121
Decachlorobiphenyl (PCB)	53	19-121

Field ID: CLEAR-SCAF-Z2ED-L19-221121-P **Batch#:** 302519 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473543-003 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/07/22

473543-003 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473543-003 Surrogate	%REC	Limits
TCMX (PCB)	51	19-121
Decachlorobiphenyl (PCB)	38	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473543 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2ED-L19-221121-P **Batch#:** 302519 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473543-005 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/07/22

473543-005 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473543-005 Surrogate	%REC	Limits
TCMX (PCB)	50	19-121
Decachlorobiphenyl (PCB)	46	19-121

Field ID: CLEAR-ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221121-P-LA **Batch#:** 302519 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473543-007 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/07/22

473543-007 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473543-007 Surrogate	%REC	Limits
TCMX (PCB)	76	19-121
Decachlorobiphenyl (PCB)	54	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473543 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C2W-DG-6TO6.5-UP-C2.2-HM-221121-P-DUP-L **Batch#:** 302519 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473543-008 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/07/22

473543-008 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473543-008 Surrogate	%REC	Limits
TCMX (PCB)	54	19-121
Decachlorobiphenyl (PCB)	50	19-121

Field ID: CLEAR-SCAF-Z2ED-L15-221121-P **Batch#:** 302519 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473543-010 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/07/22

473543-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473543-010 Surrogate	%REC	Limits
TCMX (PCB)	50	19-121
Decachlorobiphenyl (PCB)	37	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473543 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2ED-L15-221121-P **Batch#:** 302519 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473543-012 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/07/22

473543-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473543-012 Surrogate	%REC	Limits
TCMX (PCB)	69	19-121
Decachlorobiphenyl (PCB)	54	19-121

Field ID: CLEAR-ARCH-C2W-EXT-7 TO 8-221121-P-WF **Batch#:** 302519 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473543-014 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/07/22

473543-014 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473543-014 Surrogate	%REC	Limits
TCMX (PCB)	54	19-121
Decachlorobiphenyl (PCB)	49	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473543 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-SCAF-Z2ED-L11-221121-P **Batch#:** 302519 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473543-016 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/07/22

473543-016 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473543-016 Surrogate	%REC	Limits
TCMX (PCB)	56	19-121
Decachlorobiphenyl (PCB)	40	19-121

Field ID: CLEAR-ENC-Z2ED-L11-221121-P **Batch#:** 302519 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473543-019 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/07/22

473543-019 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473543-019 Surrogate	%REC	Limits
TCMX (PCB)	60	19-121
Decachlorobiphenyl (PCB)	42	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473543 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-MEDBLANK-221121-P **Batch#:** 302519 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 8082

Lab ID: 473543-021 **Received:** 11/21/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/07/22

473543-021 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

473543-021 Surrogate	%REC	Limits
TCMX (PCB)	63	19-121
Decachlorobiphenyl (PCB)	51	19-121

Type: BLANK **Batch#:** 302519 **Analysis:** EPA 8082

Lab ID: QC1030060 **Prepared:** 12/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 12/07/22

Diln Fac: 1.000 **Prep:** EPA 3546

QC1030060 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

QC1030060 Surrogate	%REC	Limits
TCMX (PCB)	66	19-121
Decachlorobiphenyl (PCB)	50	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 473543 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 302519 **Analysis:** EPA 8082

Lab ID: QC1030061 **Prepared:** 12/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 12/07/22

Diln Fac: 1.000 **Prep:** EPA 3546

QC1030061 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.714	74	60-140	ug/100 cm2
Aroclor-1260	5.000	3.290	66	60-140	ug/100 cm2

QC1030061 Surrogate	%REC	Limits
TCMX (PCB)	63	19-121
Decachlorobiphenyl (PCB)	51	19-121

Type: BSD **Batch#:** 302519 **Analysis:** EPA 8082

Lab ID: QC1030062 **Prepared:** 12/06/22 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 12/07/22

Diln Fac: 1.000 **Prep:** EPA 3546

QC1030062 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.726	75	60-140	ug/100 cm2	0	20
Aroclor-1260	5.000	3.297	66	60-140	ug/100 cm2	0	20

QC1030062 Surrogate	%REC	Limits
TCMX (PCB)	66	19-121
Decachlorobiphenyl (PCB)	53	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY ANALYTICAL

Lead

Lab #: 473543 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ARCH-C2W-PS-4.5-221121-L-G **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473543-002 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Dil n Fac: 1.000 **Analyzed:** 11/23/22

473543-002 Analyte	Result	RL	Units	Qual
Lead	**140**	0.50	ug/ft2	b

Field ID: CLEAR-SCAF-Z2ED-L19-221121-L **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473543-004 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Dil n Fac: 1.000 **Analyzed:** 11/23/22

473543-004 Analyte	Result	RL	Units	Qual
Lead	**130**	0.50	ug/ft2	b

Field ID: CLEAR-ENC-Z2ED-L19-221121-L **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473543-006 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Dil n Fac: 1.000 **Analyzed:** 11/23/22

473543-006 Analyte	Result	RL	Units	Qual
Lead	**28**	0.50	ug/ft2	b

Field ID: CLEAR-ARCH-C2W-DG-6 TO 6.5-UP-C2.2-HM-221121-L-LA **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473543-009 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Dil n Fac: 1.000 **Analyzed:** 11/23/22

473543-009 Analyte	Result	RL	Units	Qual
Lead	**23**	0.50	ug/ft2	b

Field ID: CLEAR-SCAF-Z2ED-L15-221121-L **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473543-011 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Dil n Fac: 1.000 **Analyzed:** 11/23/22

473543-011 Analyte	Result	RL	Units	Qual
Lead	**86**	0.50	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 473543 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: CLEAR-ENC-Z2ED-L15-221121-L **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473543-013 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Diln Fac: 1.000 **Analyzed:** 11/23/22

473543-013 Analyte	Result	RL	Units	Qual
Lead	**13**	0.50	ug/ft2	b

Field ID: CLEAR-ARCH-C2W-EXT-7 TO 8-221121-L-WF **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473543-015 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Diln Fac: 1.000 **Analyzed:** 11/23/22

473543-015 Analyte	Result	RL	Units	Qual
Lead	**20**	0.50	ug/ft2	b

Field ID: CLEAR-SCAF-Z2ED-L11-221121-L **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473543-017 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Diln Fac: 1.000 **Analyzed:** 11/23/22

473543-017 Analyte	Result	RL	Units	Qual
Lead	**530**	0.50	ug/ft2	b

Field ID: CLEAR-SCAF-Z2ED-L11-221121-L-DUP **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473543-018 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Diln Fac: 1.000 **Analyzed:** 11/23/22

473543-018 Analyte	Result	RL	Units	Qual
Lead	**310**	0.50	ug/ft2	b

Field ID: CLEAR-ENC-Z2ED-L11-221121-L **Batch#:** 301705 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/21/22 **Analysis:** EPA 6010B
Lab ID: 473543-020 **Received:** 11/21/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/23/22
Diln Fac: 1.000 **Analyzed:** 11/23/22

473543-020 Analyte	Result	RL	Units	Qual
Lead	**86**	0.50	ug/ft2	b

ENTHALPY ANALYTICAL

Lead

Lab #: 473543 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID:	CLEAR-MEDBLANK-221121-L	**Batch#:**	301705	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	11/21/22	**Analysis:**	EPA 6010B
Lab ID:	473543-022	**Received:**	11/21/22	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	11/23/22		
DiIn Fac:	1.000	**Analyzed:**	11/23/22		

473543-022 Analyte	Result	RL	Units	Qual
Lead	ND	0.50	ug/ft2	b

Type:	BLANK	**Batch#:**	301705	**Analysis:**	EPA 6010B
Lab ID:	QC1027639	**Prepared:**	11/23/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	11/23/22		
DiIn Fac:	1.000	**Prep:**	EPA 3050B		

QC1027639 Analyte	Result	RL	Units	Qual
Lead	ND	0.50	ug/ft2	b

Legend

ND: Not Detected

RL: Reporting Limit

b: See narrative

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 473543 **Project#:** 20-10491

Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Type: BS **Batch#:** 301705 **Analysis:** EPA 6010B

Lab ID: QC1027640 **Prepared:** 11/23/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 11/23/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1027640 Analyte	Spiked	Result	%REC	Limits	Units	Qual
Lead	100.0	105.0	105	80-120	ug/ft2	b

Type: BSD **Batch#:** 301705 **Analysis:** EPA 6010B

Lab ID: QC1027641 **Prepared:** 11/23/22 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 11/23/22

DiIn Fac: 1.000 **Prep:** EPA 3050B

QC1027641 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim	Qual
Lead	100.0	108.9	109	80-120	ug/ft2	4	20	b

Legend

RPD: Relative Percent Difference

b: See narrative