

Hangar 1 Data Summary Submittal

High Occupancy Area of Zone 2

Former Naval Air Station Moffett Field, California

prepared on behalf of
Planetary Ventures, LLC

prepared by
Rincon Consultants, Inc.

May 2023

RINCON CONSULTANTS, INC.
Environmental Scientists | Planners | Engineers
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Acronyms and Abbreviations

DQO	Data Quality Objective
DSS	Data Summary Submittal
DUA	Data Usability 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
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 within the high occupancy area of Zone 2 of Hangar 1 (Figure 1), located at the Former Naval Air Station Moffett Field, California, 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 high occupancy area of Zone 2 of Hangar 1.

The National Association of Corrosion Engineers (NACE) inspections indicate 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 concentration in the 52 wipe samples collected from within the high occupancy area of Zone 2 was approximately 150 micrograms per square feet ($\mu g/ft^2$), which is below the numerical Cleanup Goals 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 high occupancy area of Zone 2.

Based on the NACE inspections and the lead and PCB confirmation wipe sampling results, the high 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 high 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 high 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 planned 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 high occupancy areas 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 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 the 95-percent upper confidence limits (UCLs) 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).

Discussion of the clearance wipe sampling results for Zone 2 are included in the data summary submittal report prepared by Rincon for the low occupancy area of Zone 2 (Rincon, 2023a).

[1] The high occupancy area of Zone 2 includes the area below the arch pin (i.e., below 55-feet) in Enclosures A and D.

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

2 Attainment of Cleanup Goals

In accordance with Section 5.1 of the NTCRA Work Plan, the Cleanup Goals for non-porous surfaces in high 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 Project Cleanup Goals have been met and no additional abatement is necessary within the high occupancy area of Zone 2.

2.1 Visual Inspections

In accordance with the NTCRA Work Plan, following completion of abatement and cleaning activities[3] 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 high 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.[4]

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.

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

[4] 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.

2.2.1 Abatement and Sampling Efforts

A total of 124 confirmation wipe samples were collected from the high occupancy area of Zone 2, including all QC samples (i.e., media blank samples and field duplicate samples). Of the 124 confirmation wipe samples, and associated QC samples, sixty-two (62) were lead wipe samples and 62 were PCB wipe samples:

- Fifty-two (52) lead confirmation wipe samples and 52 PCB confirmation wipe samples;
- Four lead media blank samples and four PCB media blank samples; and,
- Six lead duplicate confirmation wipe samples and six 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 Evaluation of the Confirmation Wipe Sampling Data

A total of five of the lead confirmation wipe samples collected within the high occupancy area of Zone 2, or 9-percent, exceeded the cleanup 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 the highest reported laboratory quantitation limit (QL) of 1.0 µg/100 cm^3 for all PCBs analyzed; therefore, no PCB sample results exceeded the Cleanup Goal for the high occupancy area of ≤10 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 for all lead confirmation wipe samples; the results for the media blank samples and the lower of the duplicate sampling results 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 1, the 95-percent UCL of the mean lead concentration (i.e., 150 µg/ft^2) is below the Cleanup Goal. The 95-percent UCL was not calculated for PCBs because PCBs were not detected above laboratory QLs in any of the confirmation wipe samples collected.

Table 1 95-Percent UCL for Confirmation Wipe Samples

Analyte	Method	Cleanup Goal	95% UCL
Lead	US EPA Method 3050M/6010B	<250 µg/ft^2	150 µg/ft^2
PCB	US EPA Method 8082	≤10 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 frequencies included in the UFP-QAPP.

Based on this data usability assessment, 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 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.[5] 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 2 and Table 3, respectively.

Table 2 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 1,000 ft^2 of abated steel	10%	5%
Anticipated Number of Samples	80 [a]	8 [10%]	4 [5%]
Actual Square Footage within the High Occupancy Area of Zone 2	51,454 square feet (ft^2)		
Samples Collected	52	6	4
Actual Frequency	1 sample per every 990 ft^2 of abated steel	11.5%	13%
Notes: [a] Original sample counts outlined in the UFP-QAPP were based on an estimated surface area of 80,000 ft^2 of steel.			

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

Table 3 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 1,000 ft^2 of abated steel	10%	5%
Anticipated Number of Samples	80 [a]	8 [10%]	4 [5%]
Actual Square Footage within the High Occupancy Area of Zone 2	51,454 ft^2		
Samples Collected	52	6	4
Actual Frequency	1 sample per every 990 ft^2 of abated steel	11.5%	13%

Notes:
[a] Original sample counts outlined in the UFP-QAPP were based on an estimated surface area of 80,000 ft^2 of steel.

As the total square footage of steel in the high occupancy area of Zone 2 was lower than that estimate in Worksheet #20-2, fewer confirmation wipe samples and field duplicate samples were collected in the high 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 990 square feet [ft^2] of abated steel) was consistent with the frequency per the UFP-QAPP (Worksheet #20-2) and the frequencies of field duplicate and media blank samples were slightly greater than the required frequencies listed in the UFP-QAPP 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 24 samples and Stage 2A validation was conducted on the remaining 100 samples (Attachment 5).

Based on LDC's review of the analytical laboratory reports and their supporting data,[6] the results for several samples were qualified using flags (Attachment 5); however, none of the analytical results were rejected. See Section 3.4.1, 3.4.2, 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.

[6] The data validation reports indicate that the required laboratory analytical QC samples analyzed for each batch of samples met the QC acceptance limits and measurement performance criteria listed in Worksheet #28-1 and #28-4 of the UFP-QAPP.

3.3.1 Laboratory Duplicate Samples

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

Table 4 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	5	RPD ≤20%	0	0%
LCS/LCSD - PCB	5	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 of the lead and PCB duplicate laboratory sample pairs met the measurement performance criteria (MPC) outlined in the UFP-QAPP.

3.3.2 Field Duplicate Samples

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

Table 5 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 Replicate Samples that Exceeded the MPC
Lead – Wipe	6	RPD ≤100%	0	0%
PCB – Wipe	6	RPD ≤100%	--[a]	--[a]

Notes:
[a] 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.

All lead field duplicate samples met the MPC outlined in the UFP-QAPP. PCBs were not detected above laboratory QLs in any duplicate samples and as a result, RPDs were not 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.[7] Data accuracy is a measure of the overall agreement with a known value and includes a combination of random error and systematic error, with both parameters potentially resulting from analytical error. Data accuracy is evaluated using laboratory QC samples.

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

3.4.1 Laboratory QC Samples

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

Table 6 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	10	%R 80-120%	0	0%
Lead Method Blank Samples	5	<QL	0	0%
PCB LCS and LCSD	10	%R 60-140%	2	20%
PCB Method Blank Samples	5	<QL	0	0%
Notes: %R: Percent Recovery				

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

The RPDs for two PCB laboratory QC samples were outside the MPC outlined in the UFP-QAPP (i.e., one LCS/LCSD pair with low percent recovery for Aroclor 1016 and Aroclor 1260). 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 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 one order of magnitude lower than the Cleanup Goal for PCBs, it is unlikely that PCB concentrations in any 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# 473364 and 12 samples from SDG# 473365). "UJ" flags indicate that the compound or analyte was analyzed for but not detected and the sample detection limit is an estimated value.

3.4.2 Field QC Samples

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

Table 7 Field QC Sample Summary

Field QC Samples	No. of Samples Analyzed	MPC	Percentage of Samples that do not meet MPC
Lead Media Blank Samples	4	<QL	100%
PCB Media Blank Samples	4	<QL	0%

Lead was detected above the laboratory QL in all four media blank samples collected. As described in the Data Summary Submittal for the High Occupancy Area of Zone 1 (Rincon, 2023b), 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.[8] No lead results were less than 5-times the concentration of lead detected in their respective media blank samples, therefore no data qualifiers were added to the lead

[8] 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 other trades that may enter the structure before it is pressure washed are required to wear half-face 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.

confirmation wipe sample results. PCBs were not detected above laboratory QLs in any 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 represent 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.

3.5.2 Completeness

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

Table 8 Completeness for Confirmation Wipe Samples

Analyte – Sample Type	Total No. of Samples	Usable Results (%)	Unusable Results (%)	% Completeness - Measurement Performance Criteria
Lead – Wipe	62	100%	0%	>90%
PCB – Wipe	62	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 wasn't flagged for rejection.

As described in Sections 3.4.1 and 3.4.2, 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 high 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 high 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, 2023b), 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 Zone1 High Occupancy Data Summary Submittal (Rincon, 2023b).

While reporting limits for about half of lead and PCB confirmation wipe samples collected in the high 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 9.

Table 9 Sensitivity Comparison for Confirmation Wipe Samples

Analyte	Method	Cleanup Goal	Laboratory Specific QL in 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	≤10 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 half of the lead and PCB confirmation wipe samples exceeded the laboratory specific QLs as identified 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 exceeded the QLs specified in the UFP-QAPP, Rincon and Enthalpy have resolved the issue prior to confirmation sampling on November 16 and 17, 2022.

4 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 high occupancy area of Zone 2 was approximately 150 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 high 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 high 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 high occupancy area of Zone 2.

5 References

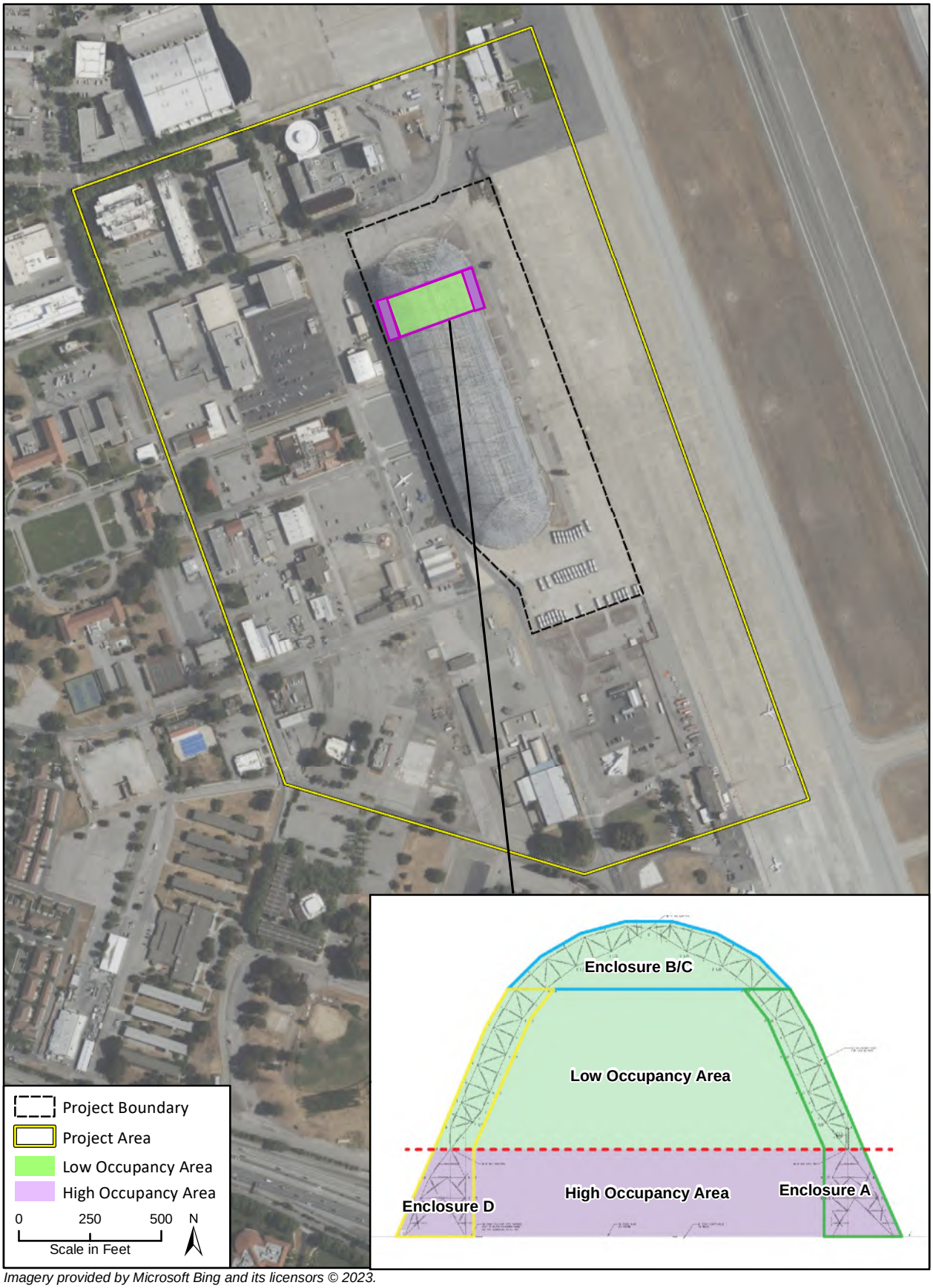
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Figures



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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	Project:	HANGAR 1
Certified Supervisor:	CHRISTIAN PARRA	Inspector:	JUAN MARTINEZ
Work Location:	MOFFET FIELD,CA.94305	Date Worked:	Monday, August 29, 2022
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ABRASIVE BLASTING IN ZONE 2 AREA A		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
reading 3.1
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: 9/6/22

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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:	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 9.1.22 3.5
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: _____ _____ 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 reading gage less 2.0 mils or 50 µm
9-8-22

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

PRESS-O-FILM™ Made in U.S.A.
sample reading 2.22 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 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

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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:

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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 #1, 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.
X COARSE Plus (useful range: see data sheet)
sample 11/4/22
reading 3.8
gage less 2.0 mils or 50 µm
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 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

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:	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:

									Specified Conditions
Time	5:21 AM	09;21	1:21 PM	5:21 PM					
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 2.2
gage less 2.0 mils
gage 1.5

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

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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.
TESTEX NEWARK, DE 19715 USA
X COARSE Plus (useful range: see data sheet)
sample 11-10-22
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;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 20		MOFFET FIELD,CA. 94305

Environmental Conditions:

	5:21 AM	09;21	1:21 PM	5:21 PM					Specified Conditions
Time									
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 - High 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 (High Occupancy Zone)			**<250**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**
AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-LA	9/15/2022	A	**110**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-LA	9/15/2022	A	**77**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1E-LAT-L3-DN-C1.3-DG-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
AFRAME-C2E-LAT-L3-UP-C2.5-DG-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
AFRAME-C2E-MED-L3-DN-C2.4-DG-220915-LA	9/15/2022	A	**140**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-WF [b]	9/15/2022	A	**70**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-DUP-WF	9/15/2022	A	**82**	--	--	--	--	--	--	--	--	--
AFRAME-C1E-MED-L1-UP-C1.4-HM-220916	9/16/2022	A	**130**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1E-LAT-L1-UP-C1.6-VS-220916	9/16/2022	A	**190**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1E-MED-L1-UP-C1.6-HS-220916-LA	9/16/2022	A	**96**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-SS	9/16/2022	A	**92**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-DUP-SS	9/16/2022	A	**--**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-LA	9/16/2022	A	**170**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-DUP-LA	9/16/2022	A	**--**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-LAT-L1-UP-C2.6-VS-220916-I	9/16/2022	A	**160**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-MED-L1-UP-C2.5-DG-220916-SS	9/16/2022	A	**53**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-MED-L1-UP-C2E-HS-220916-LA	9/16/2022	A	**74**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-MED-L2-INT-0.5 TO 1-220916-FB	9/16/2022	A	**190**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-LAT-L2-EXT-0 TO 1-220916-WF	9/16/2022	A	**230**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-FB [b]	9/16/2022	A	**420**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-DUP-FB	9/16/2022	A	**460**	--	--	--	--	--	--	--	--	--
AFRAME-C2E-MED-L1-EXT-2 TO 3-220916-WF	9/16/2022	A	**230**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-MED-L1-HS-3-220916-A [b]	9/16/2022	A	**110**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-MED-L1-HS-3-220916-DUP-A	9/16/2022	A	**150**	--	--	--	--	--	--	--	--	--
AFRAME-C2E-LAT-L1-HS-3-220916-A	9/16/2022	A	**100**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-MED-L1-INT-1 TO 2-220916-FB	9/16/2022	A	**83**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-LAT-L1-EXT-1 TO 2-220916-WF	9/16/2022	A	**49**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-LAT-L1-INT-0 TO 1-220916-FB	9/16/2022	A	**93**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1E-MED-L2-UP-C1.3-HM-220915-CB	9/15/2022	A	**230**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C1E-LAT-L2-UP-C1.4-DG-220915-CB	9/15/2022	A	**79**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-LAT-L2-UP-C2.1-HM-220915-CB	9/15/2022	A	**75**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2E-MED-L2-HS-1-220915-G	9/15/2022	A	**75**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-LA	11/16/2022	D	**140**	<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
AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-DUP-LA	11/16/2022	D	**--**	<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
AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-WF	11/16/2022	D	**20**	<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
AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-DUP-WF [b]	11/16/2022	D	**17**	--	--	--	--	--	--	--	--	--
AFRAME-C1W-MED-L3-UP-C1.2-VS-221116-LA	11/16/2022	D	**59**	<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
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-LA-SL6	11/16/2022	D	**70**	<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
AFRAME-C1W-LAT-L3-DN-C1.2-DG-221116-LA	11/16/2022	D	**69**	<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
AFRAME-C2W-LAT-L3-DN-C2.1-DG-221116-LA	11/16/2022	D	**93**	<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
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-LA-SL5	11/16/2022	D	**340**	<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
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-DUP-LA-SL5	11/16/2022	D	**--**	<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
AFRAME-C2W-MED-L2-UP-C2.2-VS-221116-LA	11/16/2022	D	**51**	<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
AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-FB [b]	11/16/2022	D	**360**	<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
AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-DUP-FB	11/16/2022	D	**470**	--	--	--	--	--	--	--	--	--
AFRAME-C1W-LAT-L2-UP-C1.4-DG-221116-LA	11/16/2022	D	**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
AFRAME-C2W-LAT-L1-UP-C2.1-VS-221116-I	11/16/2022	D	**110**	<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

Validated Confirmation Wipe Sampling Results - High 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 (High Occupancy Zone)			**<250**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**
AFRAME-C2W-LAT-L1-HS-3-221116-G	11/16/2022	D	**76**	<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
AFRAME-C2W-MED-L1-EXT-2 TO 3-221116-WF	11/16/2022	D	**140**	<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
AFRAME-C2W-MED-L1-C2.5-DG-221116-SS	11/16/2022	D	**150**	<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
AFRAME-C1W-LAT-L1-UP-C1.3-HM-221117-CB	11/17/2022	D	**73**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AFRAME-C2W-MED-L1-HS-3-221117-A	11/17/2022	D	**130**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AFRAME-C2W-LAT-L1-HS-3-221117-A	11/17/2022	D	**160**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AFRAME-C2W-LAT-L1-HS-3-221117-DUP-A [b]	11/17/2022	D	**140**	--	--	--	--	--	--	--	--	--
AFRAME-C1W-LAT-L1-UP-C1.6-VS-221117-LA	11/17/2022	D	**160**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AFRAME-C2W-LAT-L1-UP-C2W-HS-221117-LA	11/17/2022	D	**170**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-FB	11/17/2022	D	**110**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-DUP-FB	11/17/2022	D	**--**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AFRAME-C1W-MED-L1-C1.6-DG-221117-LA	11/17/2022	D	**55**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AFRAME-C2W-LAT-L1-DN-DG-C2W-221117-CB	11/17/2022	D	**46**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AFRAME-C2W-LAT-L1-INT-0 TO 1-221117-FB	11/17/2022	D	**35**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AFRAME-C2W-MED-L1-EXT-0 TO 1-221117-WF	11/17/2022	D	**54**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AFRAME-C1W-MED-L1-DN-C1.6-DG-221117-SS	11/17/2022	D	**140**	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AFRAME-C1W-MED-L3-DN-C1.4-DG-221116-LA	11/16/2022	D	**110**	<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 (High Occupancy) [c]			**150**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
220915-MEDBLANK2	9/15/2022	A	**1.5**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
220916-MEDBLANK3	9/16/2022	A	**0.87**	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0	<1.0
221116-MEDBLANK2	11/16/2022	D	**2**	<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
221117-MEDBLANK3	11/16/2022	D	**1.1**	<0.5	<0.5	<0.5	<0.5	<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 as 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.
[c] The 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.

Attachment 3

Confirmation Sampling Analytical Reports

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

enthalpy.com

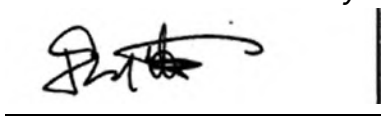
Lab Job Number:	469257
Report Level:	II
Report Date:	01/12/2023

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

ENTHALPY ANALYTICAL

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/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 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	
8	AFRAME-C1E-MED-L1-UP-C1.4-HM-220916-P- CB	9/16/2022	1155	WP	1		X		
9	AFRAME-C1E-MED-L1-UP-C1.4-HM-220916-L- CB	9/16/2022	1155	WP	1			X	
10	AFRAME-C1E-LAT-L1-UP-C1.6-VS-220916-P- LA	9/16/2022	1110	WP	1		X		
11	AFRAME-C1E-LAT-L1-UP-C1.6-VS-220916-L- LA	9/16/2022	1110	WP	1			X	
12	AFRAME-C1E-MED-L1-UP-C1.6-DG-220916-P- HS LA	9/16/2022	1215	WP	1		X		
13	AFRAME-C1E-MED-L1-UP-C1.6-DG-220916-L- HS LA SS LA	9/16/2022	1305 1215	WP	1			X	
14	AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-P- SS	9/16/2022	1305	WP	1		X		
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:				9/16/22 17:14
3 Relinquished By:				9/16/22 17:55
3 Received By:			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:	(6S1) 890-9SS6	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	
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		2x Rivet Type 2 = 0.0200ft2
13	20	AFRAME-C2E-LAT-L1-UP-C2.6-VS-220916-P-I	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-MED-L1-UP-C2E-HS-220916-P-LA	9/16/2022	1235	WP	1		X			
18	25	AFRAME-C2E-MED-L1-UP-C2E-HS-220916-L-LA	9/16/2022	1235	WP	1			X		2x Rivet Type 2 = 0.0200ft2
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			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	TSlmott	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:		Bob Duncan II		9/16/22 17:4
[3] Relinquished By:		Rincon II/SD		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. 8arkley 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 1Sth Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	1S8 Cody Road, Mountain View, CA
Phone:	(6S1) 890-9S56	Global ID:	
Fax:		Sampled 8y:	

	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-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	1220	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								
3S	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									
4S	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:	TGSinnott	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. 8arkley Avenue, Orange, CA 92868

Phone 714-771-6900

Matrix: A = Air 5 = 5oil/Solid W = Water DW = Drinking Wate 5D = 5ediment PP = Pure Product 5EA = 5ea Water 5W = 5wab 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 5treet, 5uite 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
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										

Analysis Request

Test Instructions / Comments

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

Report PCB concentrations on a $\mu g/100cm^2$ basis

Report lead concentrations on a $\mu g/ft^2$ 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:		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: 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)** MM 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

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: _____

(Acceptonce 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

LOS ANGELES

Standard

Agency Phone: (213)629-8420

Manual Wght:
321.7

Tariff Wght:
325.0

PO/Ref #:

WWW.SHIPGREYHOUND.COM

5

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

0.9/5.7 A8672354B

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

#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

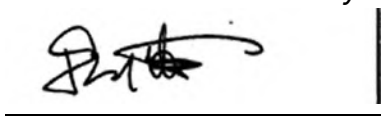
Lab Job Number:	469270
Report Level:	II
Report Date:	01/06/2023

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 15Sth Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(6S1) 890-9SS6	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			
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- 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:	TKFriedle	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]	BU	9/16/22 17:11
3 Relinquished By:		[illegible]	BU	9/16/22 17:55
3 Received By:	[illegible]	Courier Service	ENA	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:	
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 S = 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 15Sth 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
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			

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:	TGhnott	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:		Grace Sy	E.A.	9/17/22 08:04

469270

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

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Preservatives: 1 = $Na_2S_2O_3$ 2 = HCl 3 = HNO_3 4 = H_2SO_4 S = 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~~		**Confirmation Wipe Samples - Level II Report/Stage 2A Validation**
32	AFRAME-C2E-LAT-L2-UP-C2.1-HM-2209 15 -P- CB	9/15/2022	1600	WP	1		X			Report PCB concentrations on a µg/100cm² basis
33	AFRAME-C2E-LAT-L2-UP-C2.1-HM-2209 15 -L- CB	9/15/2022	1600	WP	1			X		Report lead concentrations on a µg/ft² basis
34	~~AFRAME-C2E-MED-L2-UP-C2.2-VS-2209 -P-~~	~~9/ /2022~~		~~WP~~	~~1~~		~~X~~			Report Aroclor 1268 concentrations in addition to the standard Aroclors
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~~		Wipe samples collected from Zone 2 Enclosure A
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	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:		[illegible]		9/16/22 17:11
3 Relinquished By:		[illegible]		9/16/22 17:55
3 Received By:	Geena Sylvestri	Geena Sylvestri	E.A.	9/17/22 08:04

469270

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

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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

	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-TO8-220915-L-WF	9/15/22	1630	WP	1			X		
72	ARCH-C2E-EXT-TO8-220916-L-DUP-WF	9/16/22	1630	WP	1			X		
73	ARCH-C2E-EXT-TO8-22095-P-WF	9/16/22	1530	WP	1		X			
74										
75										

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 Simott	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:			BW 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: 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 AV SHB **(sign)** _____

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

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:	
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Enthalpy Analytical - Orange
931 W. 8arkley 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 = 0.020052
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 = 0.020052
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 Yeon	EnA	9/17/22 08:04

469270

ENTHALPY ANALYTICAL

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

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2 Day:		1 Day:	X (Pb)	Custom TAT:	

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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:	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

469270

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 S = 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		MK
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		MK
34	~~AFRAME-C2E-MED-L2-UP-C2.2-VS-2209 -P-~~	9/ /2022		WP	1		X			MK
35	~~AFRAME-C2E-MED-L2-UP-C2.2-VS-2209 -P-DUP-~~	9/ /2022		WP	1		X			MK
36	~~AFRAME-C2E-MED-L2-UP-C2.2-VS-2209 -L-~~	9/ /2022		WP	1			X		MK
37	~~AFRAME-C2E-LAT-L1-UP-C2.6-VS-2209 -P-~~	9/ /2022		WP	1		X			MK
38	~~AFRAME-C2E-LAT-L1-UP-C2.6-VS-2209 -L-~~	9/ /2022		WP	1			X		MK
39	~~AFRAME-C2E-MED-L1-UP-C2.5-DG-2209 -P-~~	9/ /2022		WP	1		X			MK
40	~~AFRAME-C2E-MED-L1-UP-C2.5-DG-2209 -L-~~	9/ /2022		WP	1			X		MK
41	~~AFRAME-C2E-LAT-L1-UP-C2E-HS-2209 -P-~~	9/ /2022		WP	1		X			MK
42	~~AFRAME-C2E-LAT-L1-UP-C2E-HS-2209 -L-~~	9/ /2022		WP	1			X		TS
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		MK
45	~~AFRAME-C2E-MED-L2-INT-0.5 TO 1-2209 -P-~~	9/ /2022		WP	1		X			MK

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	TKSinnott	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 Lai	E.A.	9/16/22 17:11
3 Relinquished By:		Maxwell Lai	E.A.	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:	
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Enthalpy Analytical - Orange

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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)

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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-7T08-220915-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										

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:	T Wright	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:			BV	9/16/22 17:11
3 Relinquished By:			BV	9/16/22 17:55
3 Received By:	Geena Salvestrini	Geena Silvestri	EA.	9/17/22 0820

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 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: _____

(Acceptonce range is < 6°C but not frozen (for Micrabiology samples, occeptonce range is < 10°C but not frozen). It is occeptable for samples collected the some doy os sample receipt to hove o higher temperoture os long os there is evidence that cooling hos 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)					
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Sample Receipt Temp: (lab use only)

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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:	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:	Audrey Hudson		"	9/16/22 17:11
2 Received By:		Mackenzie Kay	EA	9/16/22 17:11
3 Relinquished By:		Mackenzie Kay	EA	9/16/22 17:55
3 Received By:	Erin Stinson	Carson Stinson	EA	9/17/22 08:04

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

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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
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			

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:	TKSchmitt	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 17:11
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

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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:	TKSinnott	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:		Lorenzo Lopez	EA	9/16/22 17:11
3 Relinquished By:		Manuel Vega	EA	9/16/22 17:55
3 Received By:	Geena Salvestrini	Geena Salvestrini	E.A.	9/17/22 08:04

469270

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-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										

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:	TKSmith	Tyler Sinoff	Rincon / Envi. Scientist	9/16/22 15:15
1 Received By:	Lindsay Shedgan	ANDREA HUDSON	ENTHALPY	9/16/22 15:18
2 Relinquished By:	Andrea 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 Salvestrini	E.A.	9/17/22 08:04

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 469270 Client: Ramon

Date Received: 9/16/22 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? 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

Standard

PO/Ref #:

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

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

5

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

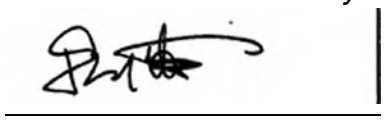
PCBs

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. 8arkley 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 S = 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-2209 15 -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-2209 15 -L- LA	9/15/2022	1310	WP	1			X		
3	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-2209 15 -P- LA	9/15/2022	1350	WP	1		X			
4	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-2209 15 -P-DUP- LA	9/15/2022	1350	WP	1		X			
5	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-2209 15 -L- LA	9/15/2022	1350	WP	1			X		
6	ARCH-C2E-INT-4.5 TO 5.5-2209 15 -P- WF	9/15/2022	1330	WP	1		X			
7	ARCH-C2E-INT-4.5 TO 5.5-2209 15 -L- WF	9/15/2022	1330	WP	1			X		
8	ARCH-C2E-INT-4.5 TO 5.5-2209 15 -L-DUP- WF	9/15/2022	1330	WP	1			X		
9	ARCH-C2E-PS-5.5-2209 15 -P- G1	9/15/2022	1410	WP	1		X			8 x Type 1 Rivets=0.1104ft²
10	ARCH-C2E-PS-5.5-2209 15 -L- G1	9/15/2022	1410	WP	1			X		
11	ARCH-C2E-DG-6 TO 6.5-2209 15 -P- FB	9/15/2022	1425	WP	1		X			
12	ARCH-C2E-DG-6 TO 6.5-2209 15 -L- FB	9/15/2022	1425	WP	1			X		
13	AFRAME-C1E-MED-L3-UP-C1.2-VS-2209 15 -P- LA	9/15/2022	1330	WP	1		X			
14	AFRAME-C1E-MED-L3-UP-C1.2-VS-2209 15 -L- LA	9/15/2022	1330	WP	1			X		
15	AFRAME-C1E-LAT-L3-DN-C1.2-DG-2209 15 -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 / 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 1711
3 Relinquished By:				9/16/22 1755
3 Received By:	Rec'd: Geena Sylvestri	Geena Sylvestri	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. #:	2D-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(6S1) 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: Ramcon

Date Received: 9/16/22 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? 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 Microbialogy 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

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

PO/Ref #:

Standard

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)

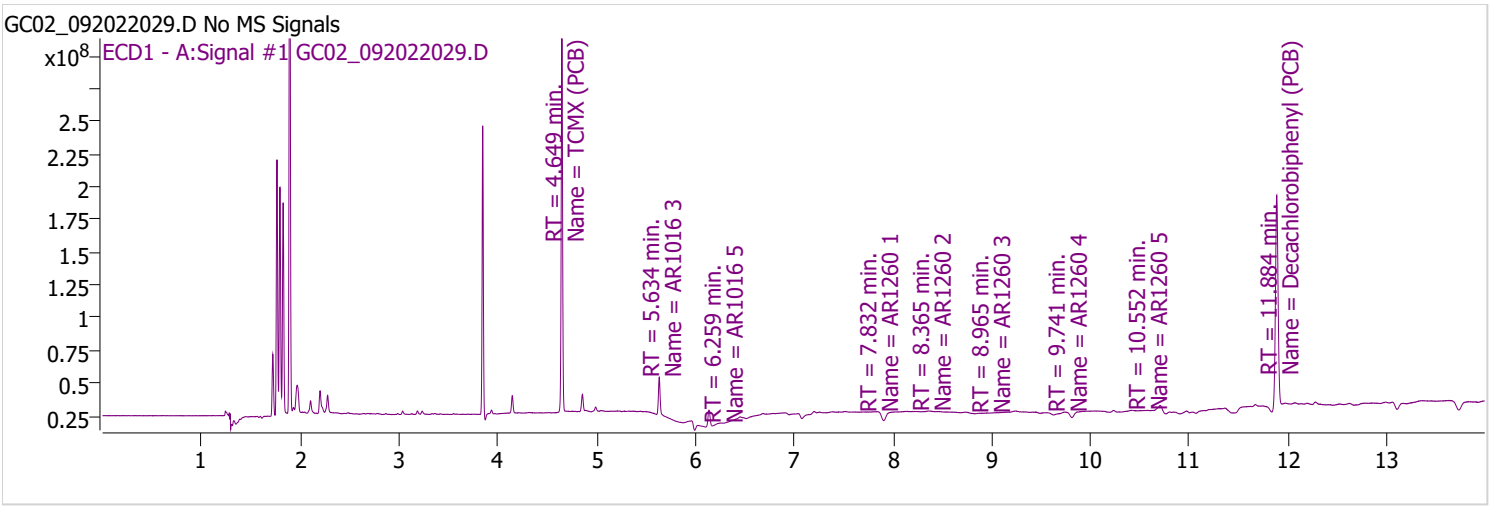
ISTD (CCV gc02_092022-008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

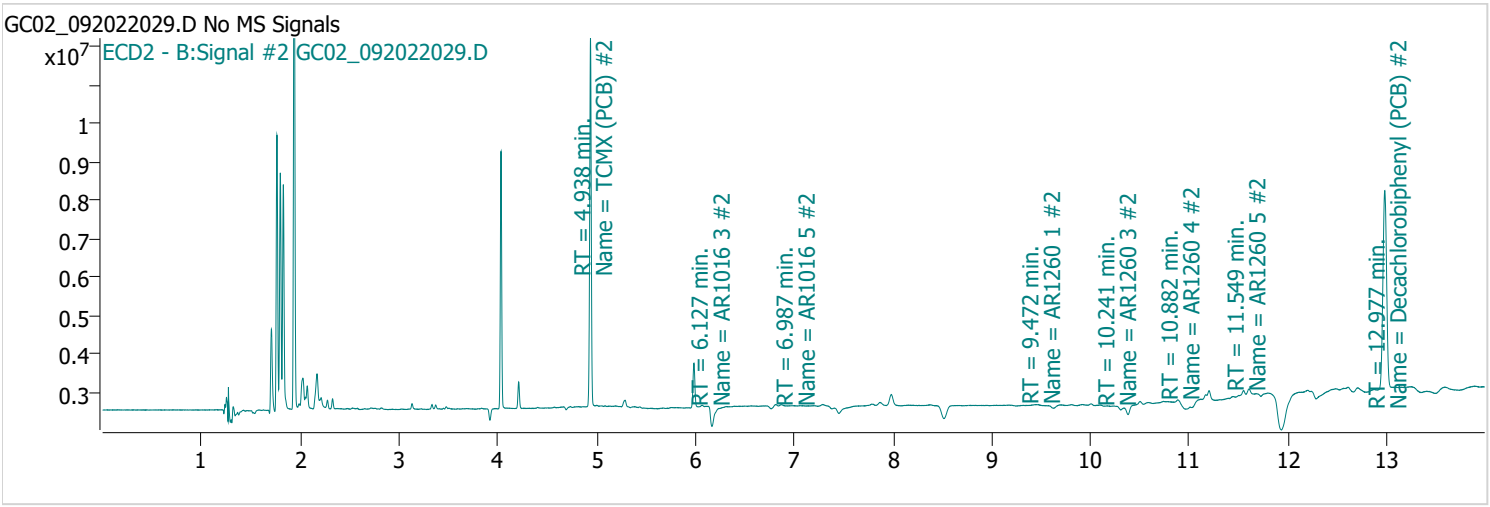
Analyst: TJW 09/21/22 *

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			



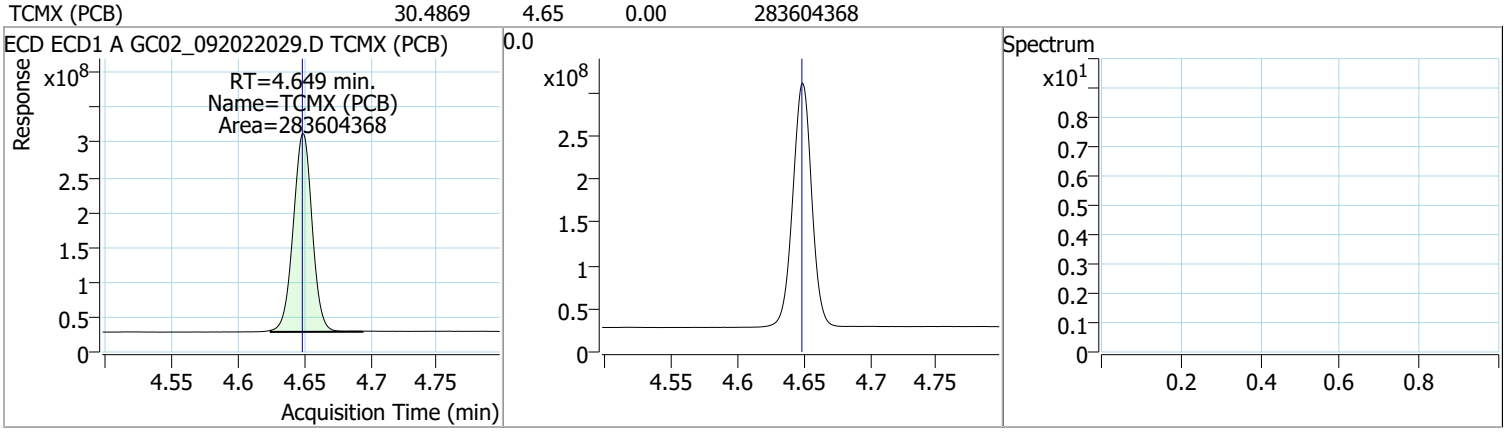


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.848	0.0	196661109.685	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.033	0.0	7018926.573	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.649	0.0	283604368.184	30.4869	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

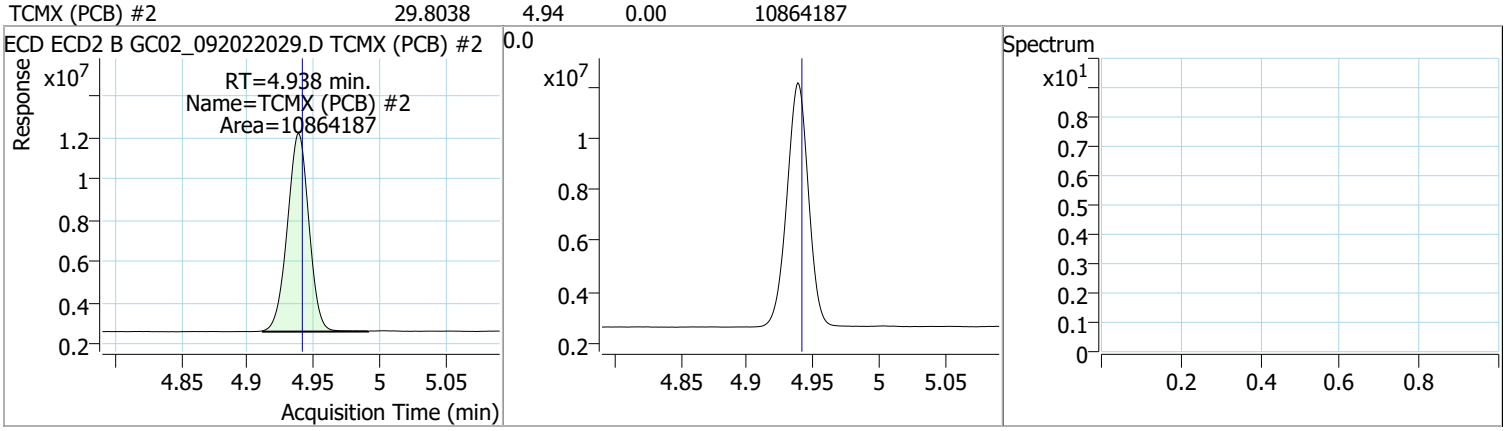
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.989	0.0	5582790.950	32.2774	ng/ml	100
T AR1016 2	5.290	0.0	79650.301	0.2385	ng/ml	100
T AR1016 1 #2	5.387	0.0	94792.269	10.6882	ng/ml	100
T AR1016 3	5.634	0.0	36435105.800	72.4047	ng/ml	100
T AR1016 2 #2	5.757	0.0	39745.276	2.2196	ng/ml	100
T AR1016 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

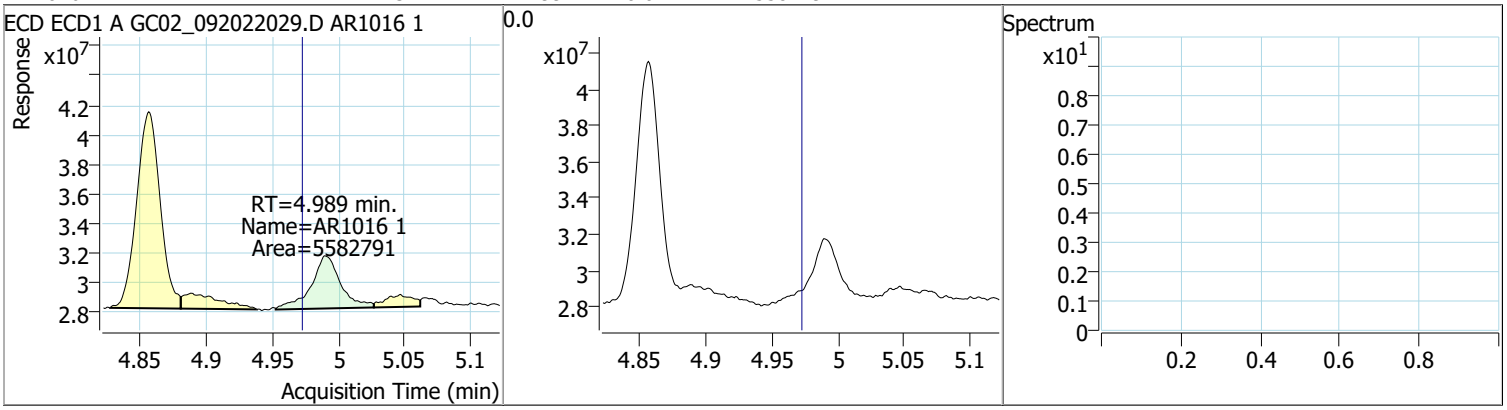
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.4869	4.65	0.00	283604368				



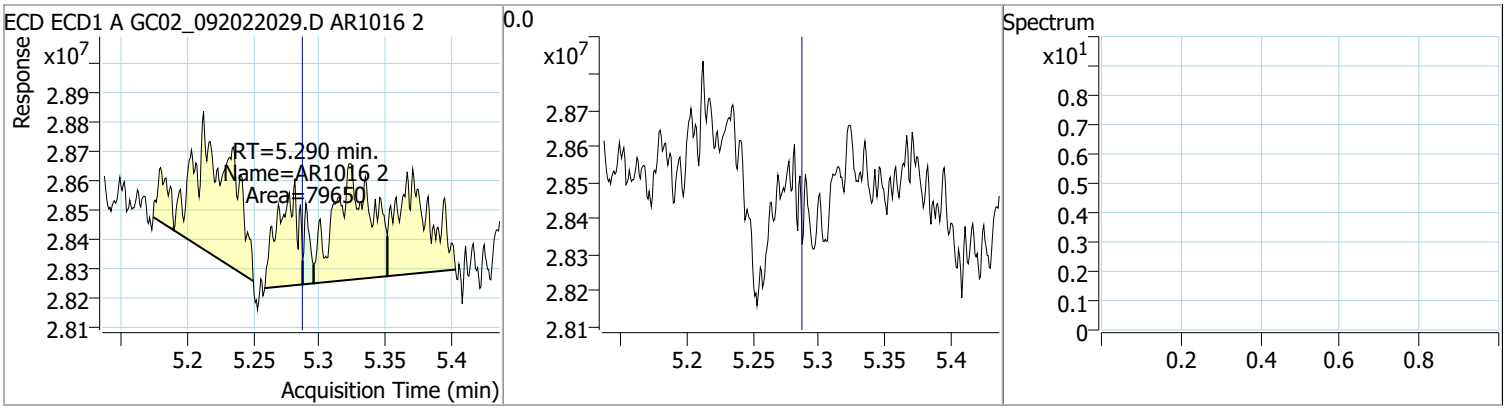
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.8038	4.94	0.00	10864187				



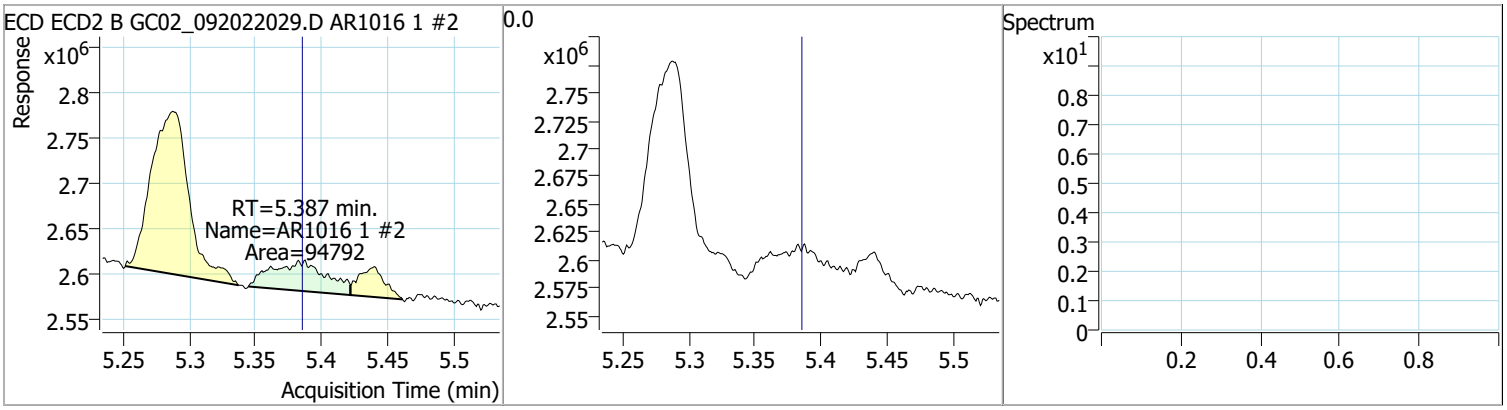
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	32.2774	4.99	0.02	5582791				



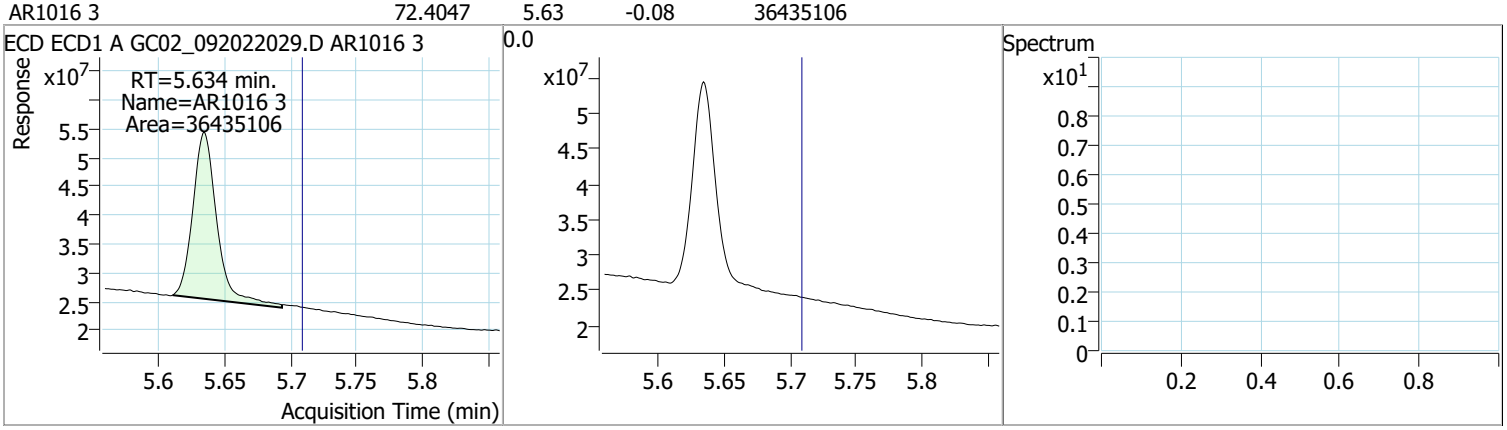
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.2385	5.29	0.00	79650				



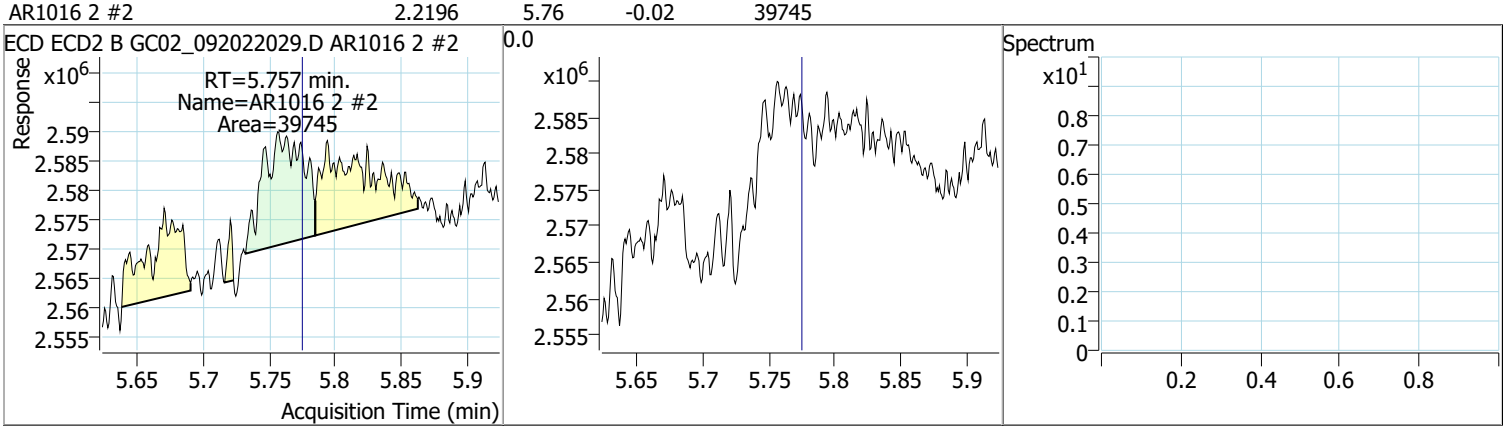
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	10.6882	5.39	0.00	94792				



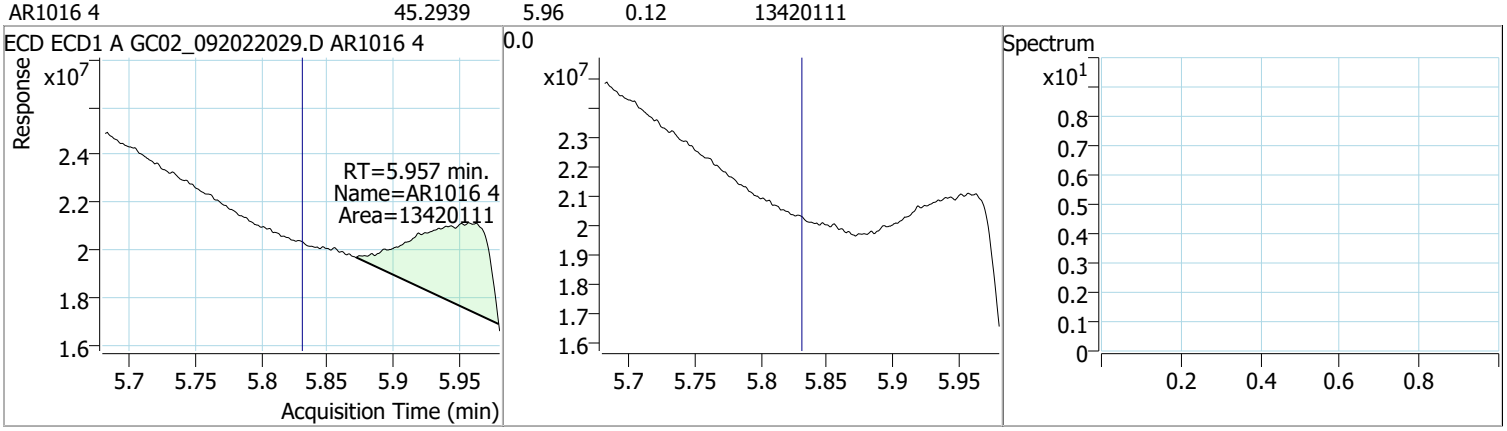
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	72.4047	5.63	-0.08	36435106				



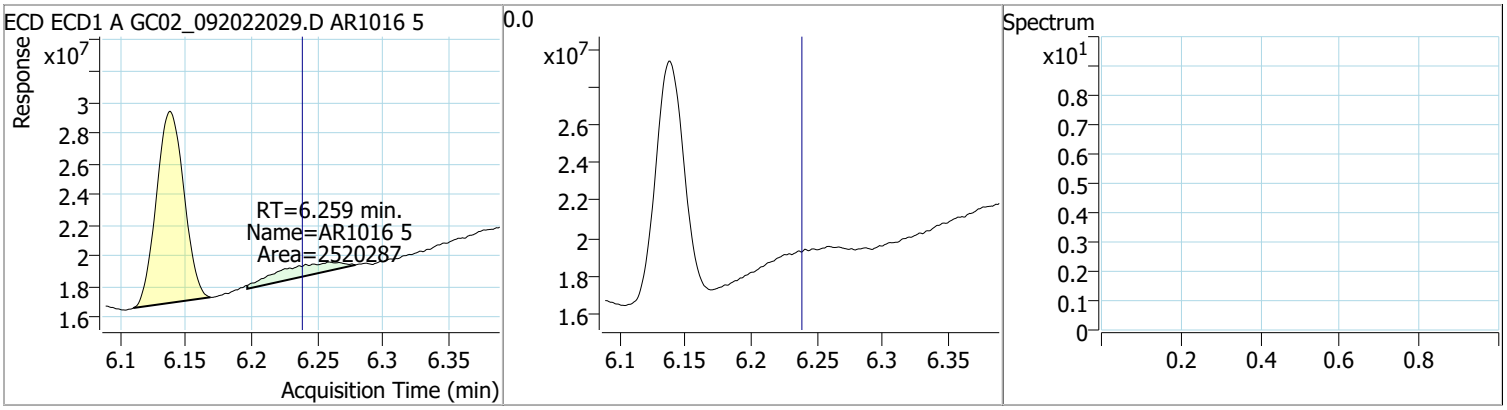
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	2.2196	5.76	-0.02	39745				



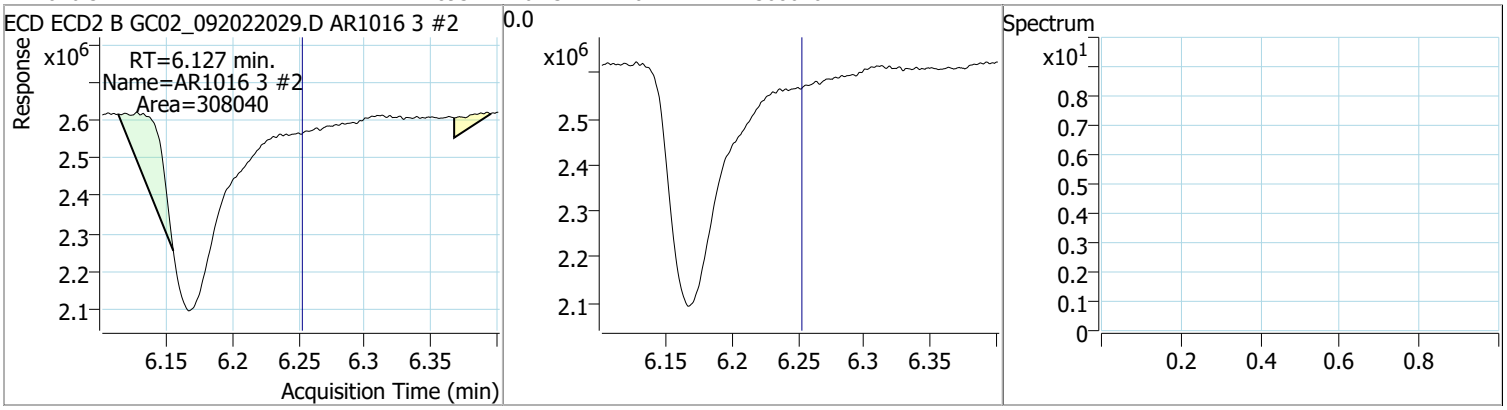
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	45.2939	5.96	0.12	13420111				



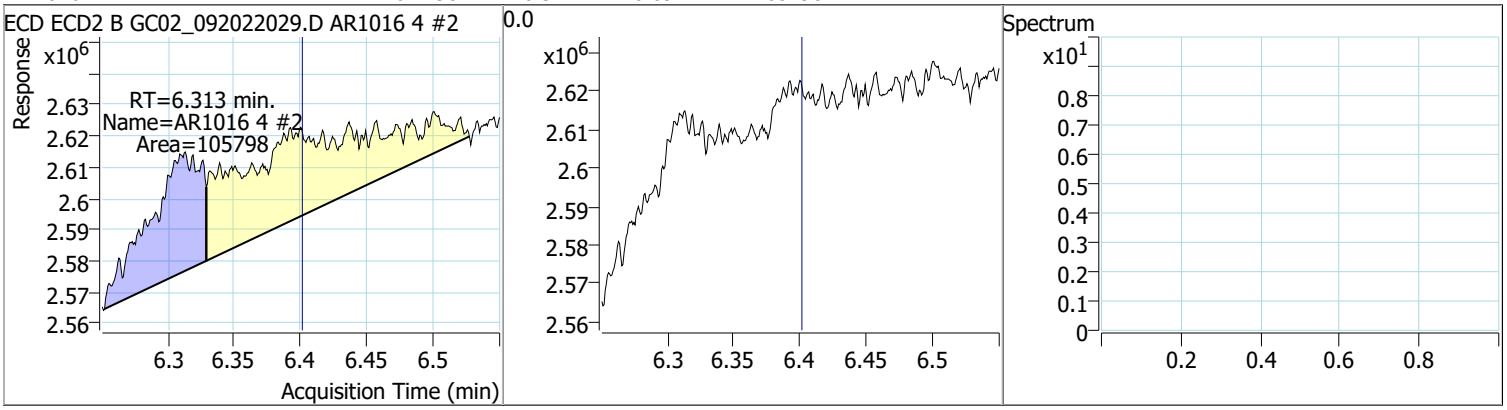
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	9.2357	6.26	0.02	2520287				



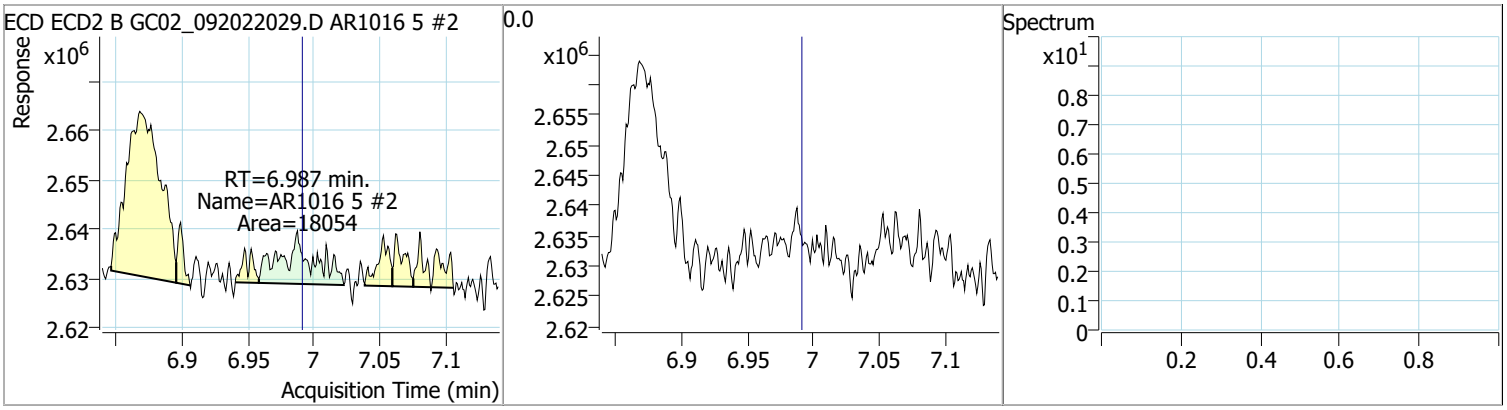
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AR1016 3 #2	14.1893	6.13	-0.12	308040				



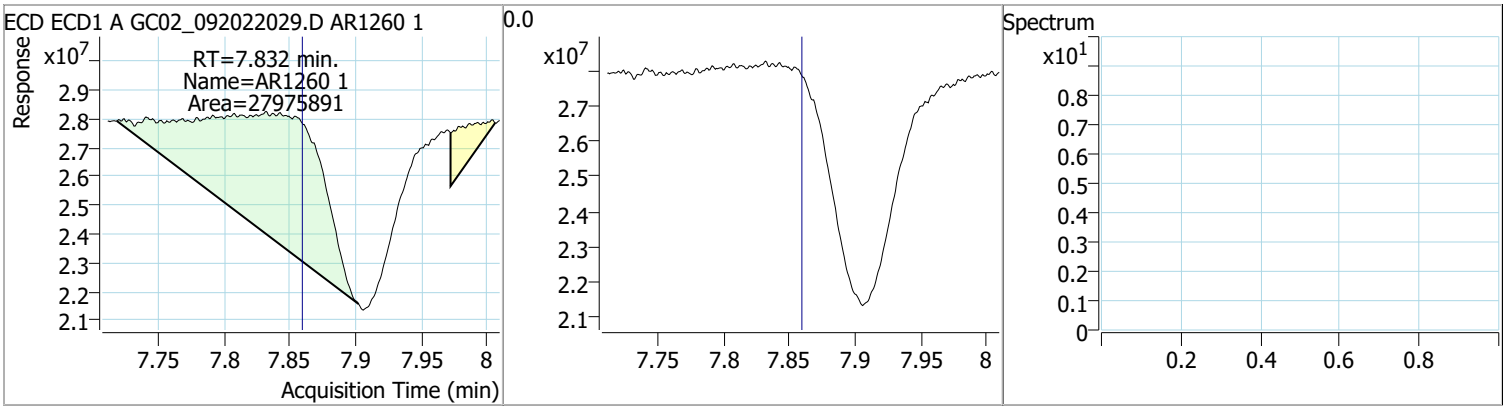
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AR1016 4 #2	6.1798	6.31	-0.09	105798				



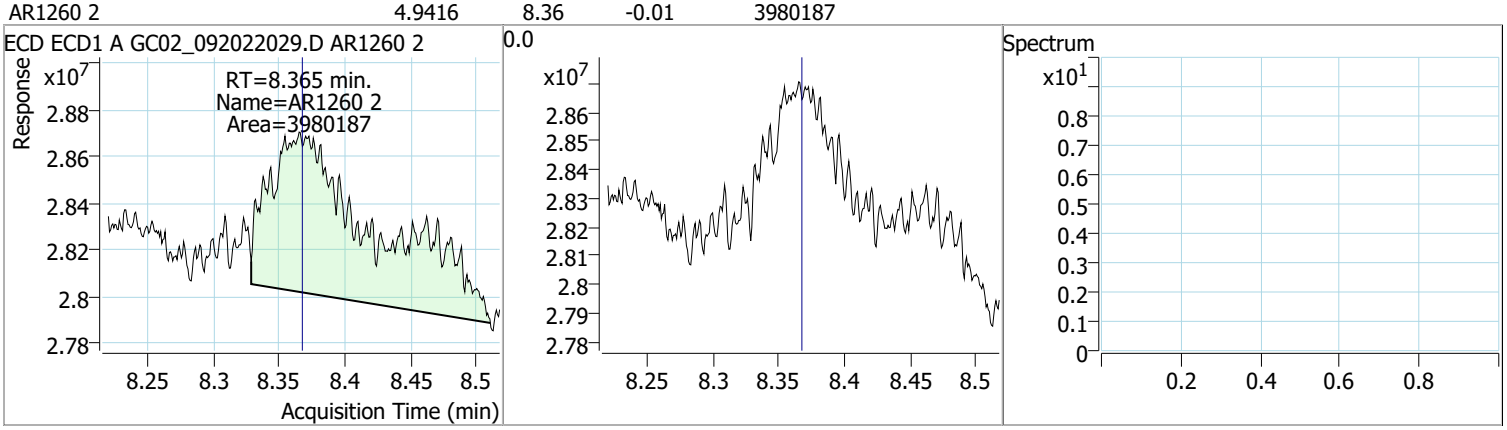
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AR1016 5 #2	1.3084	6.99	0.00	18054				



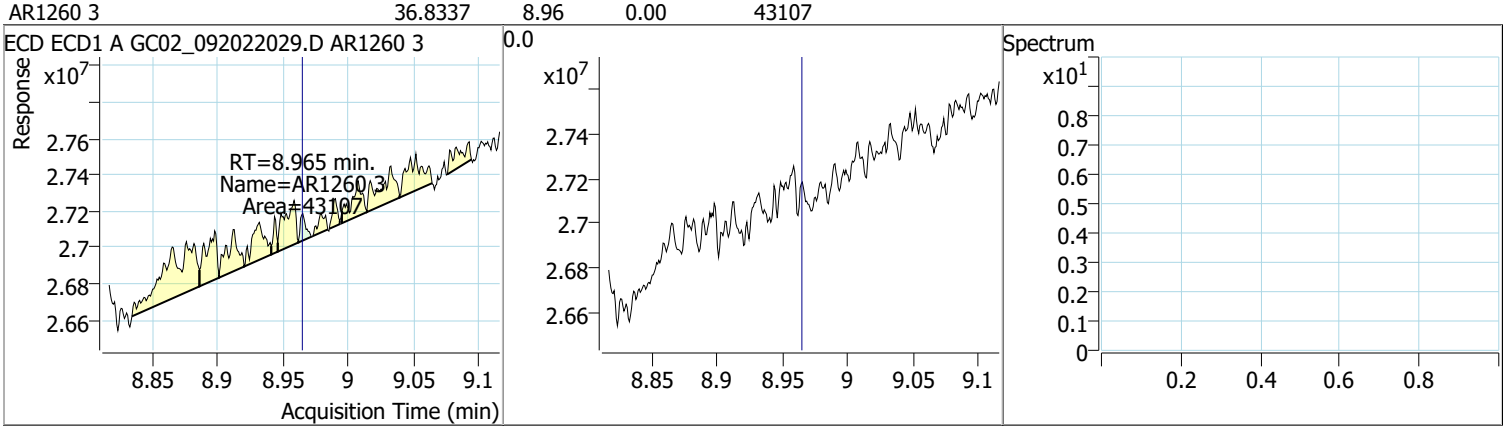
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	53.0934	7.83	-0.03	27975891				



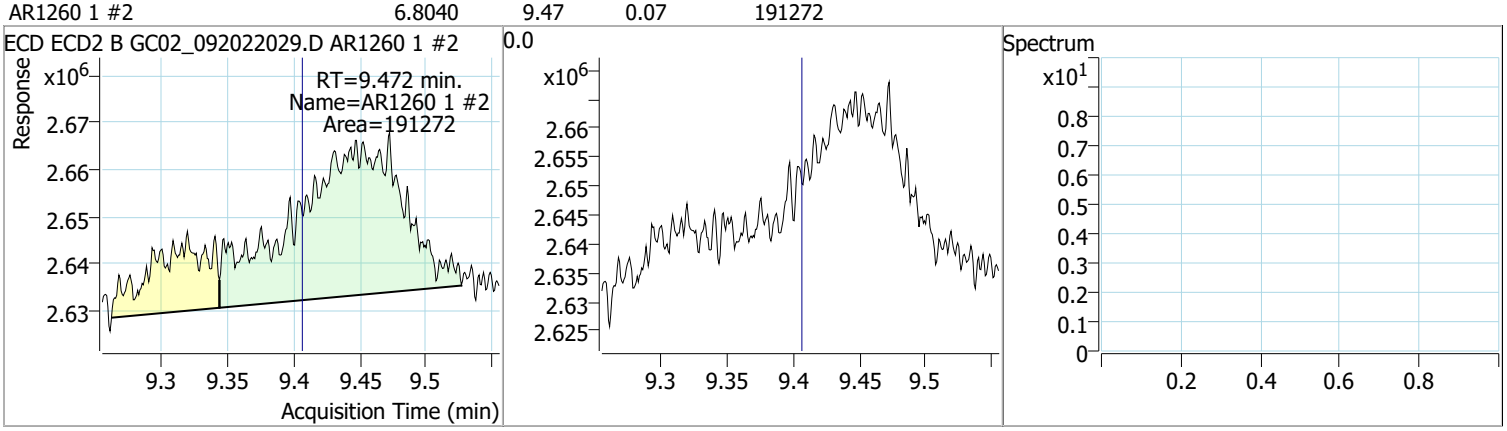
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.9416	8.36	-0.01	3980187				



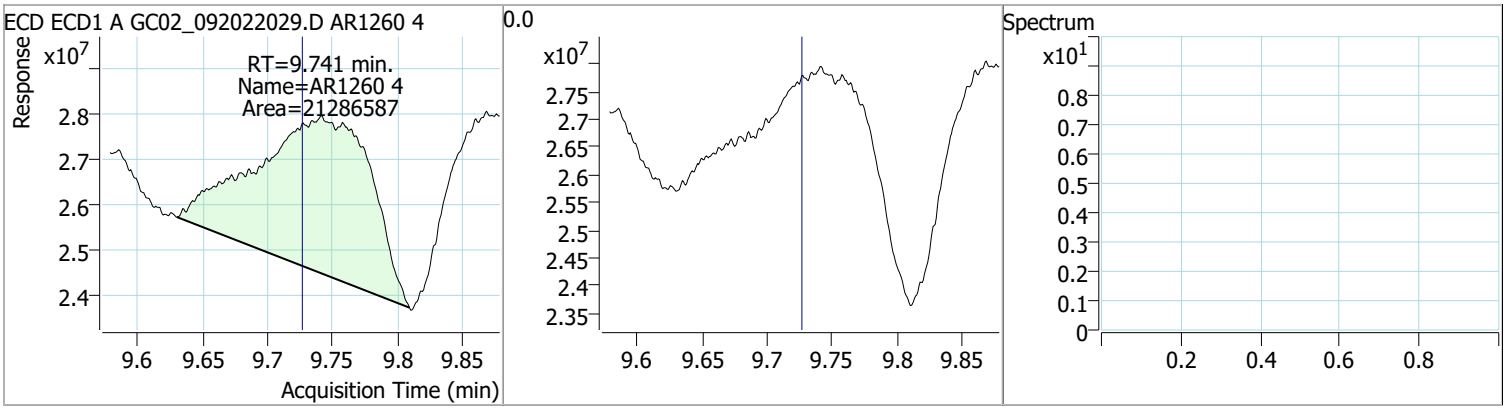
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	36.8337	8.96	0.00	43107				



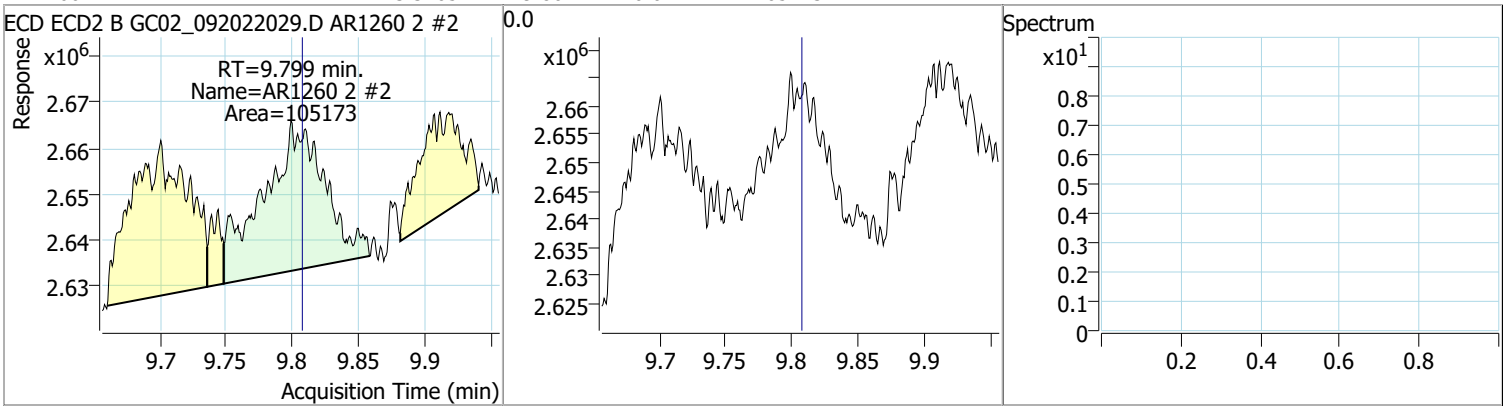
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	6.8040	9.47	0.07	191272				



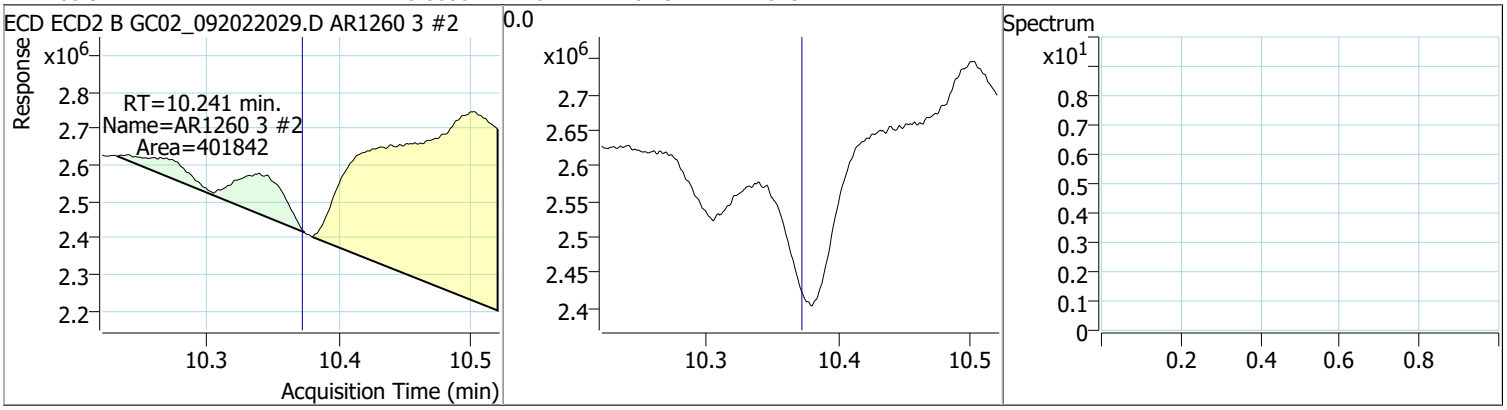
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	39.2737	9.74	0.01	21286587				



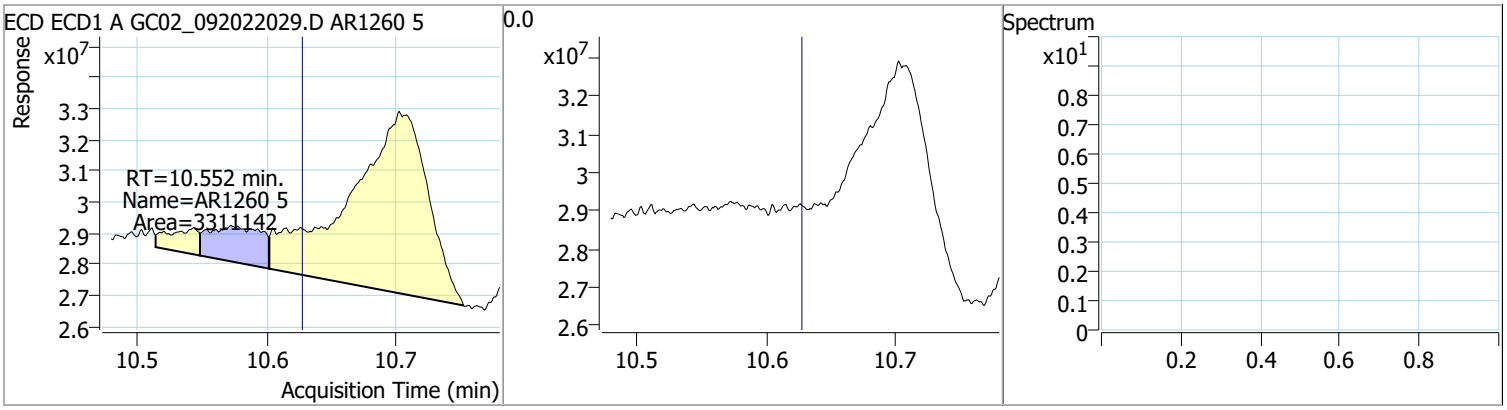
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AR1260 2 #2	3.3205	9.80	-0.01	105173				



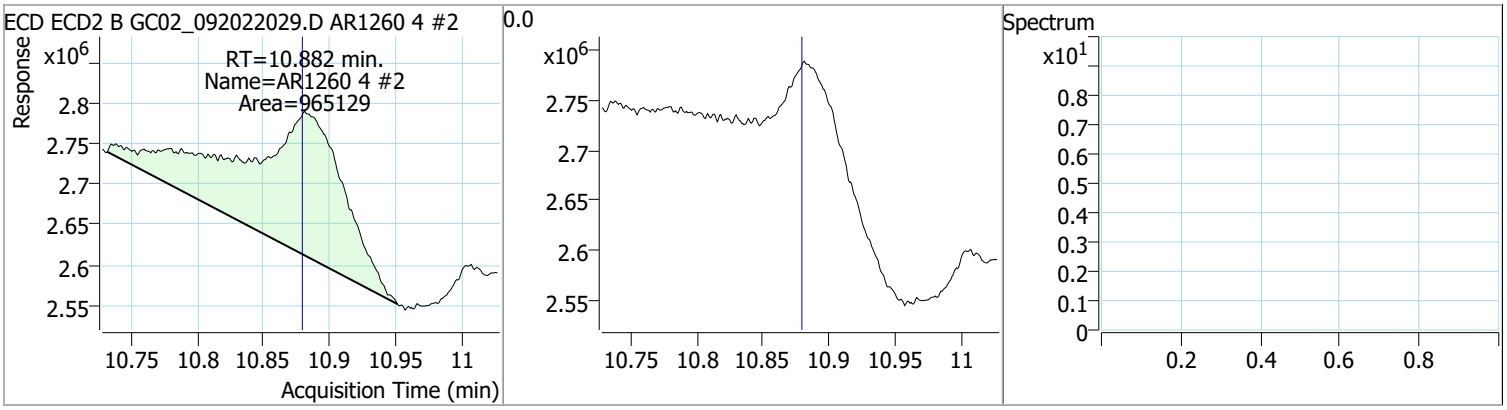
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.6666	10.24	-0.13	401842				



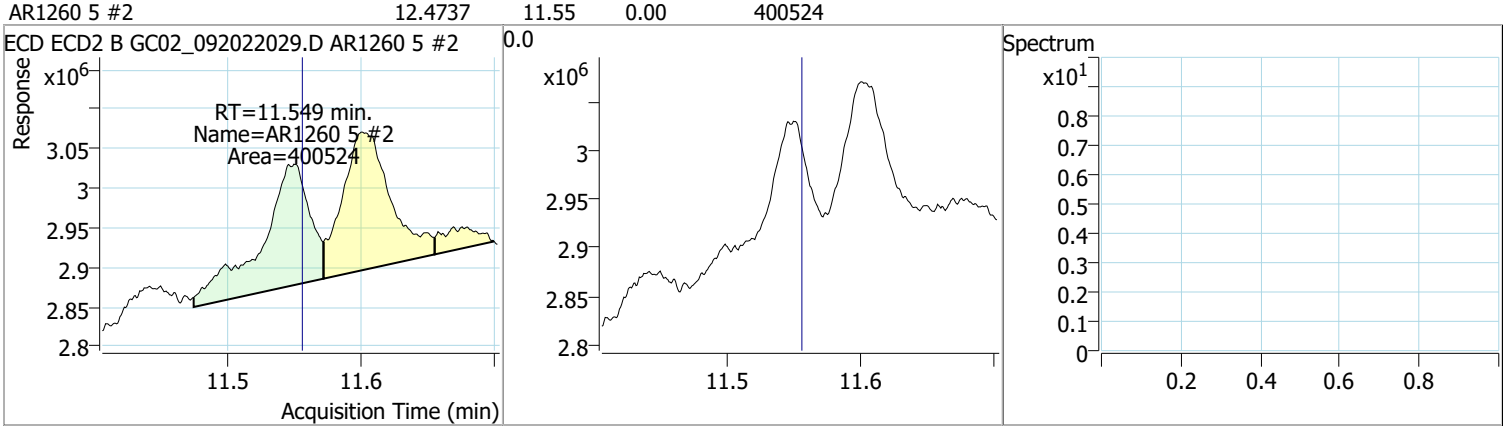
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	4.6718	10.55	-0.08	3311142				



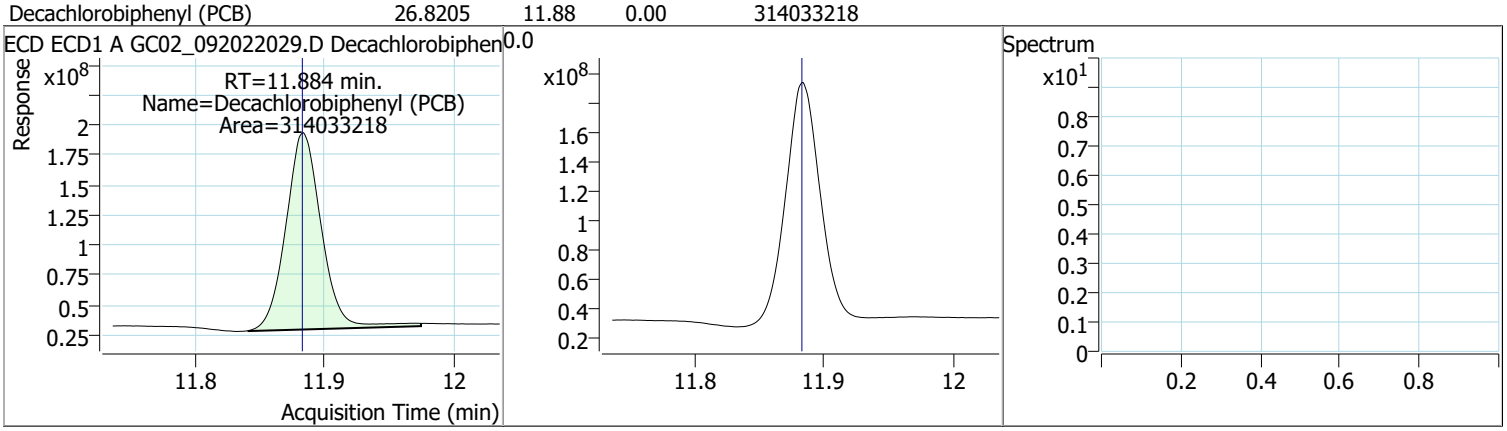
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	44.4778	10.88	0.00	965129				



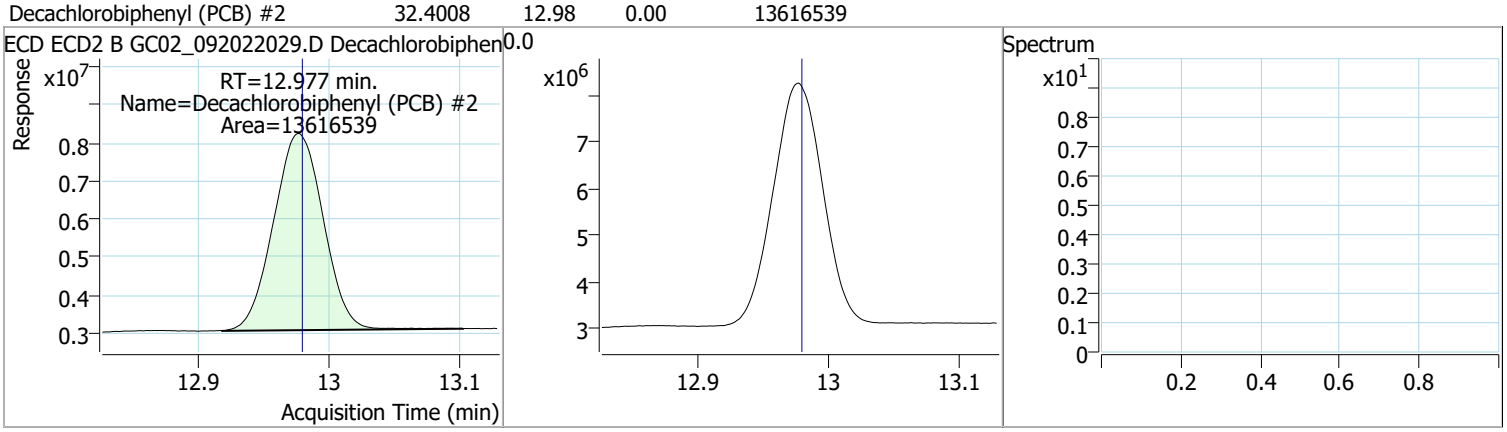
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.4737	11.55	0.00	400524				



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)

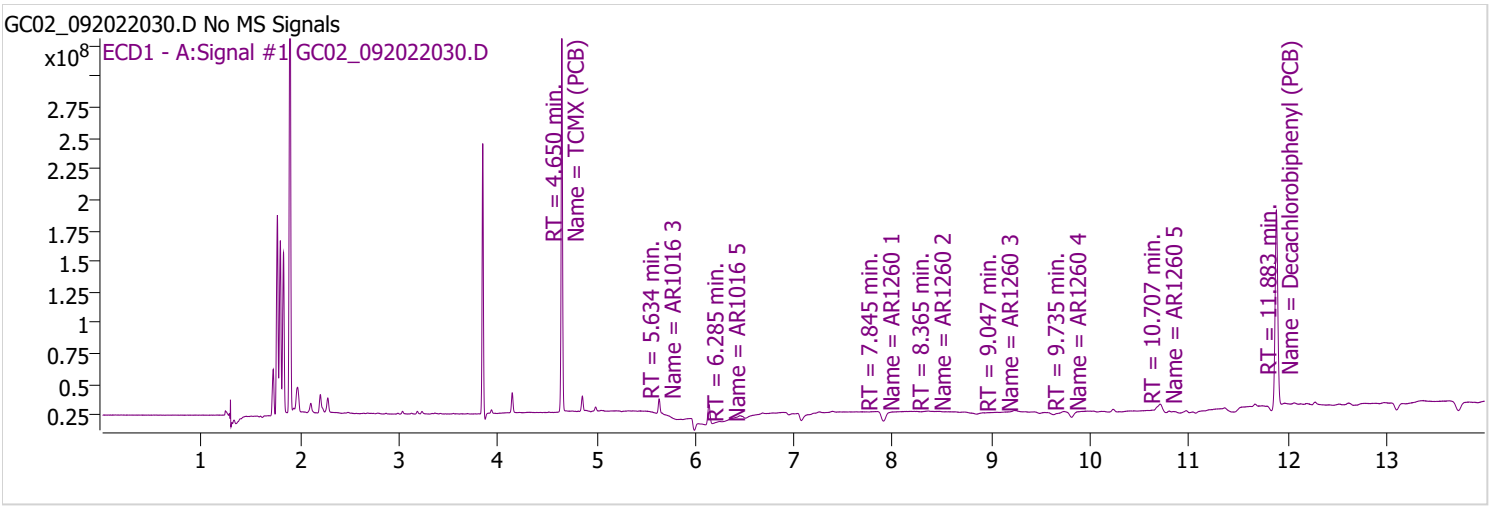
ISTD (CCV gc02_092022-008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

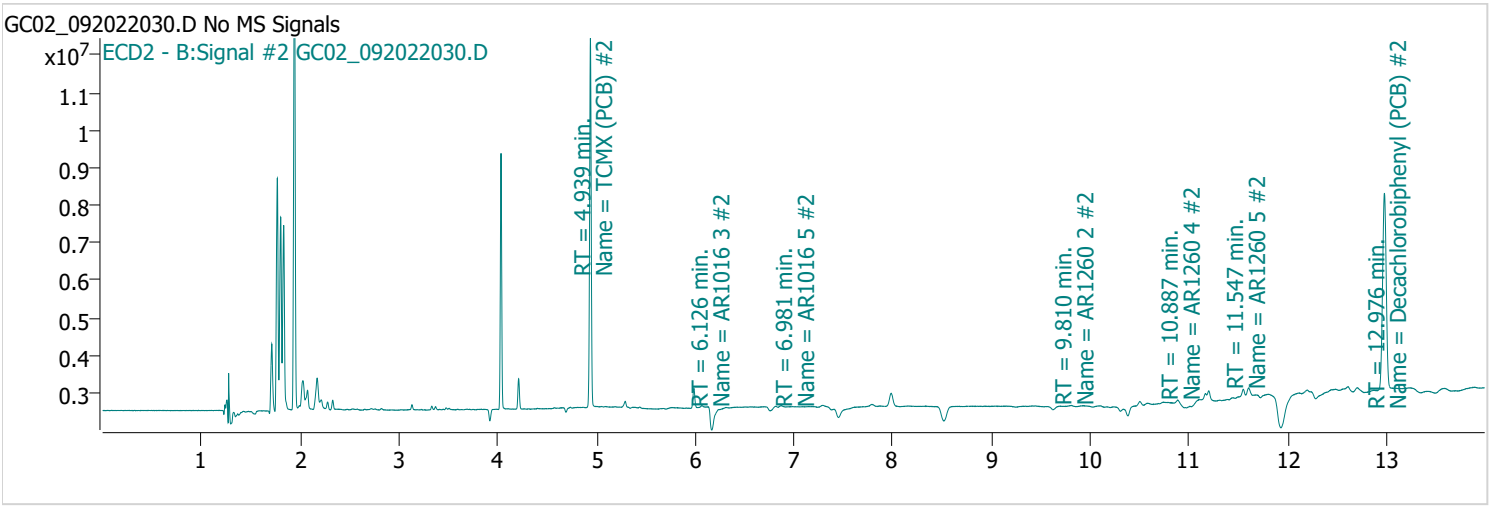
Analyst: TJW 09/21/22 *

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			



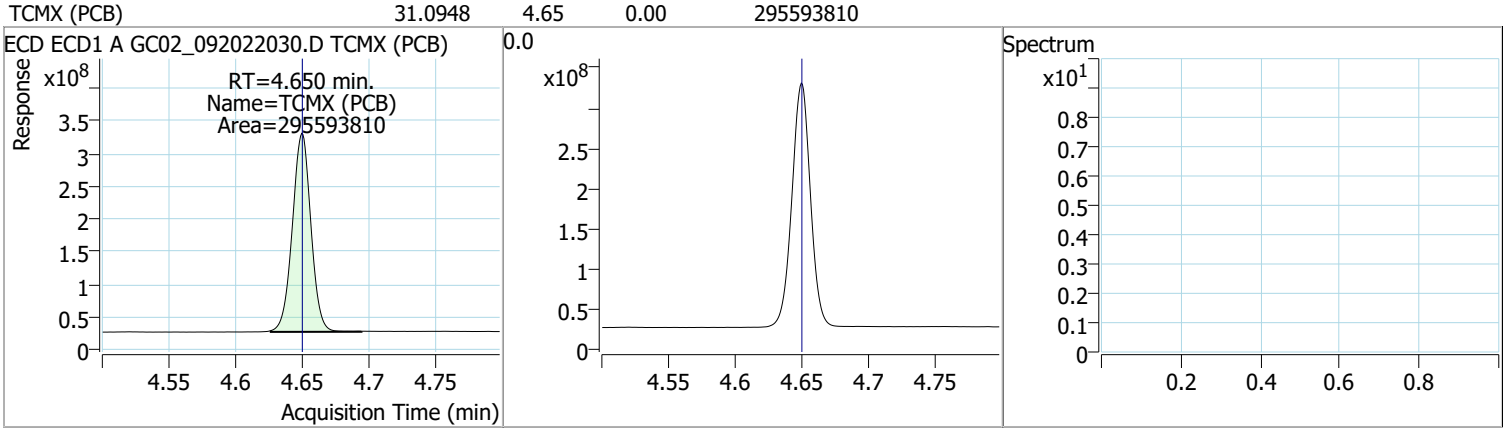


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.849	0.0	200967458.313	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.034	0.0	7184965.474	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.650	0.0	295593809.821	31.0948	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

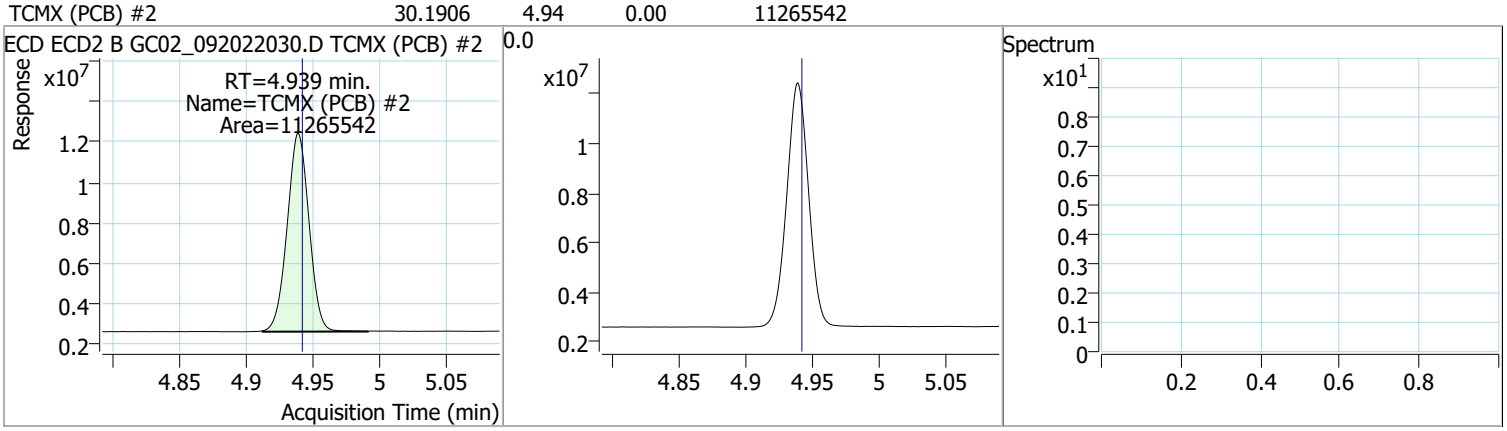
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.993	0.0	6062429.667	34.2994	ng/ml	100
T AR1016 2	5.317	0.0	2043605.787	5.9892	ng/ml	100
T AR1016 1 #2	5.385	0.0	98591.299	10.8597	ng/ml	100
T AR1016 3	5.634	0.0	19606808.671	38.1282	ng/ml	100
T AR1016 2 #2	5.765	0.0	128332.329	7.0011	ng/ml	100
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

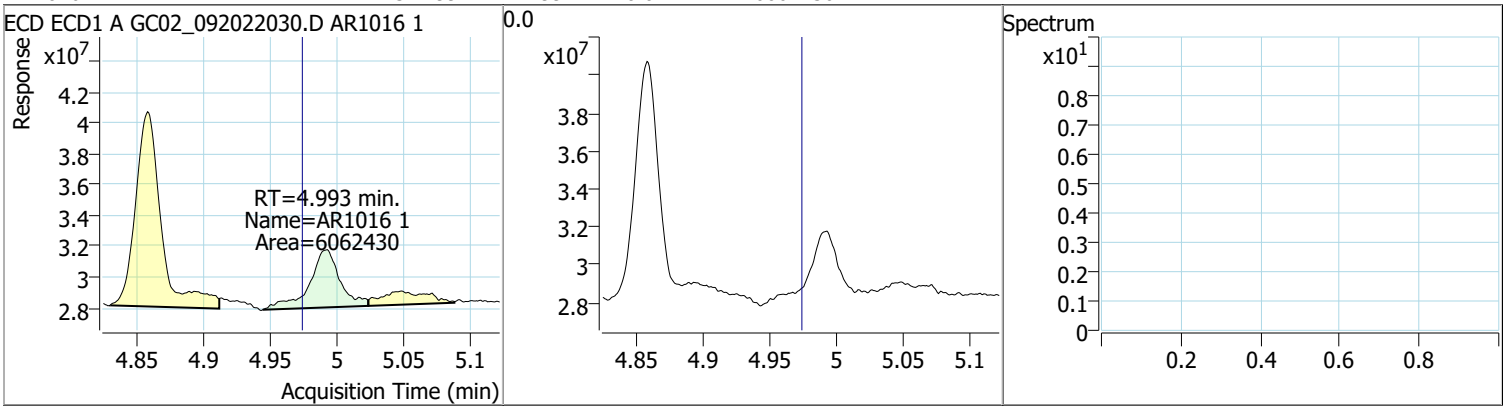
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.0948	4.65	0.00	295593810				



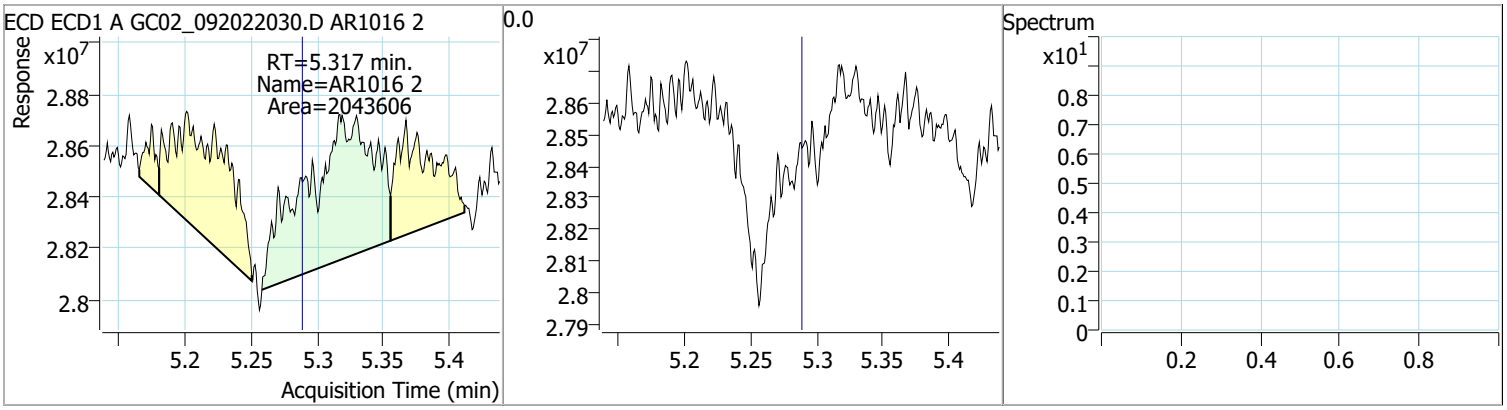
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.1906	4.94	0.00	11265542				



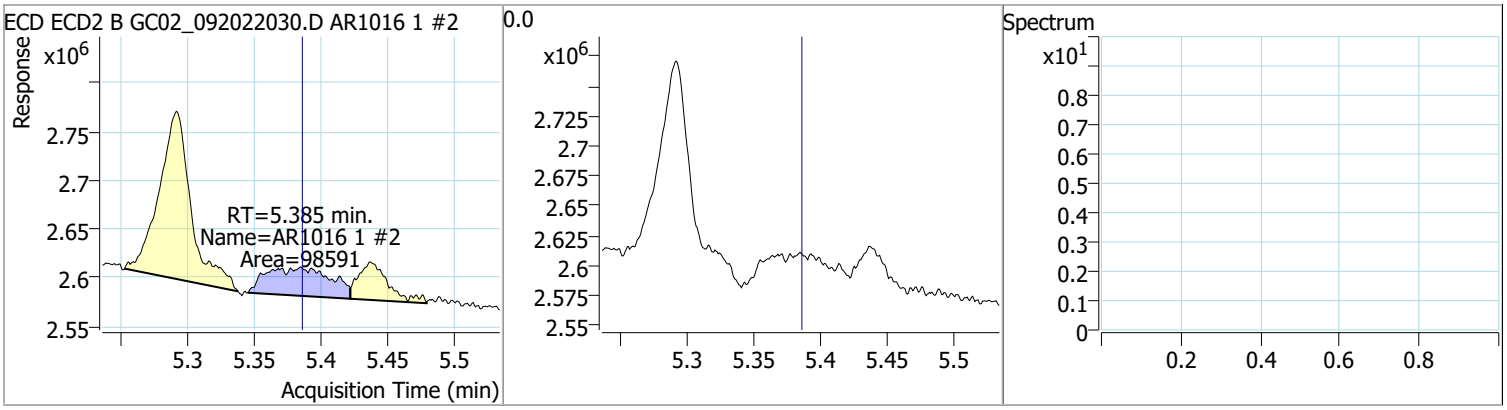
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	34.2994	4.99	0.02	6062430				



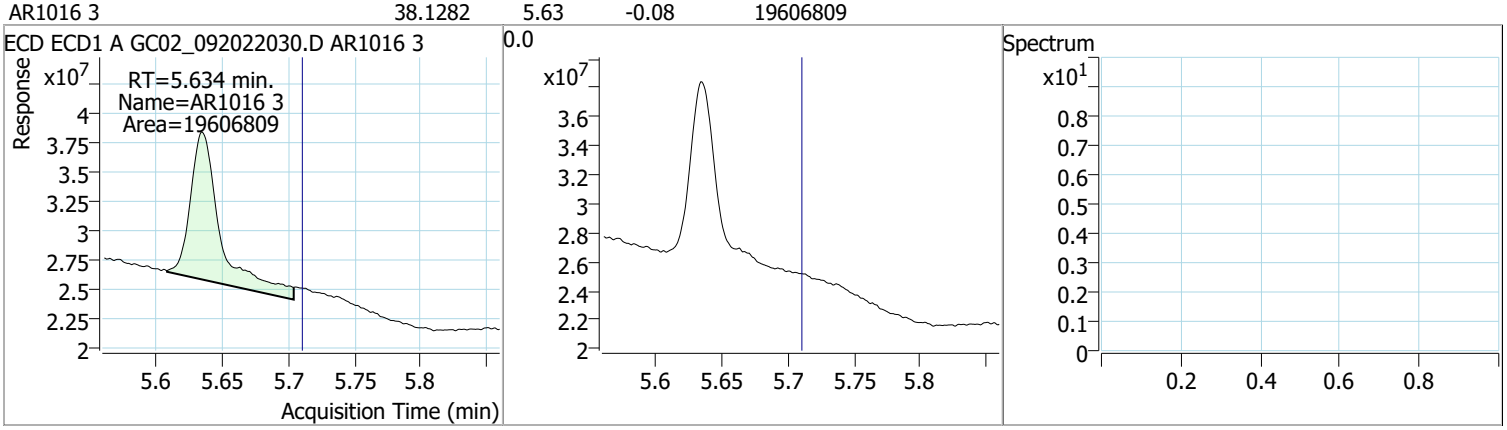
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	5.9892	5.32	0.03	2043606				



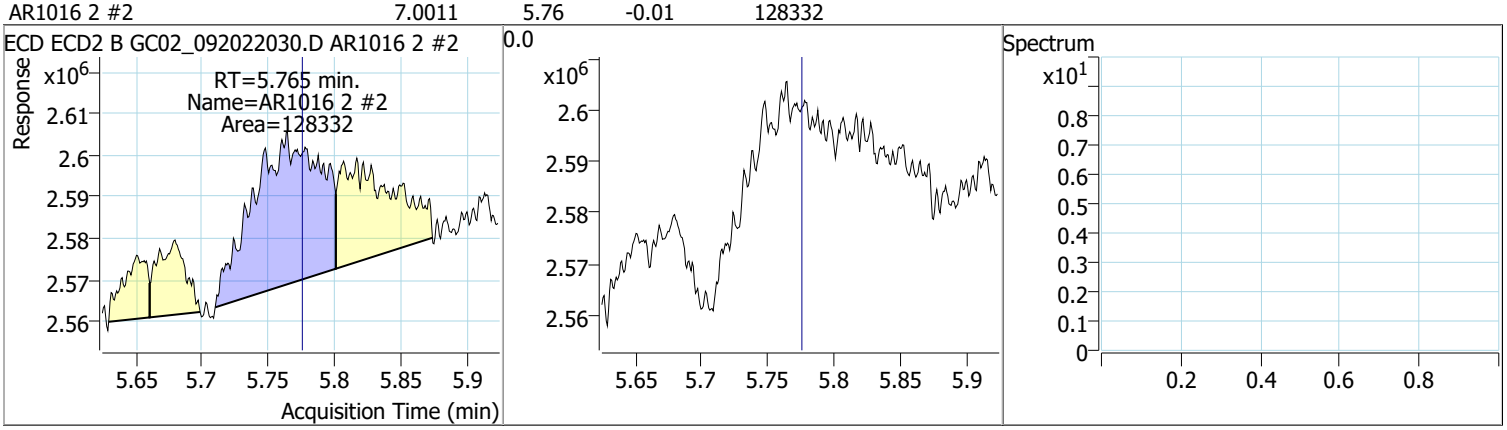
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	10.8597	5.38	0.00	98591				



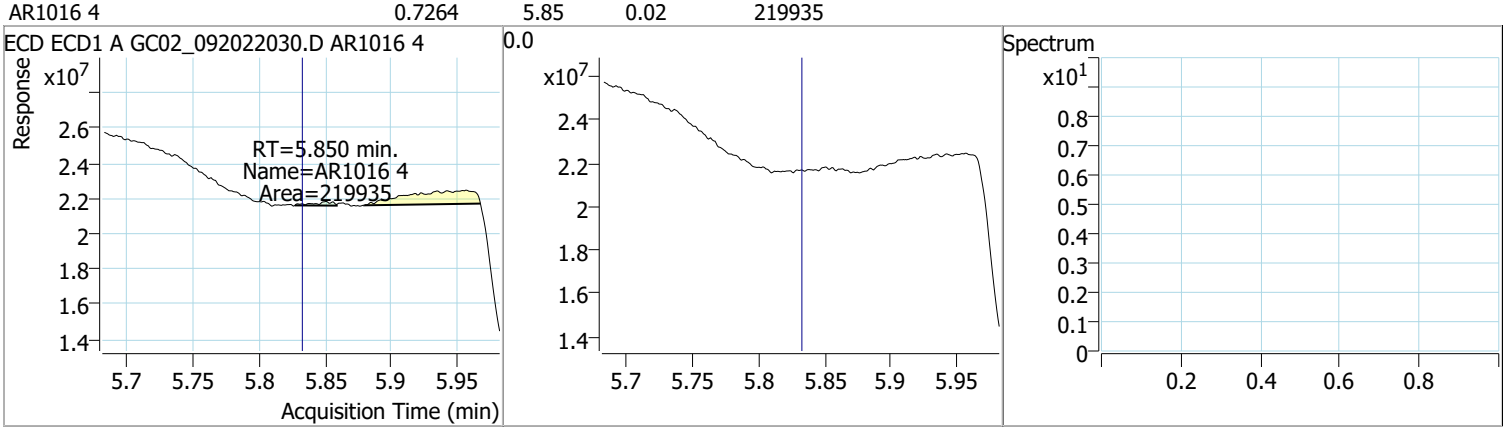
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	38.1282	5.63	-0.08	19606809				



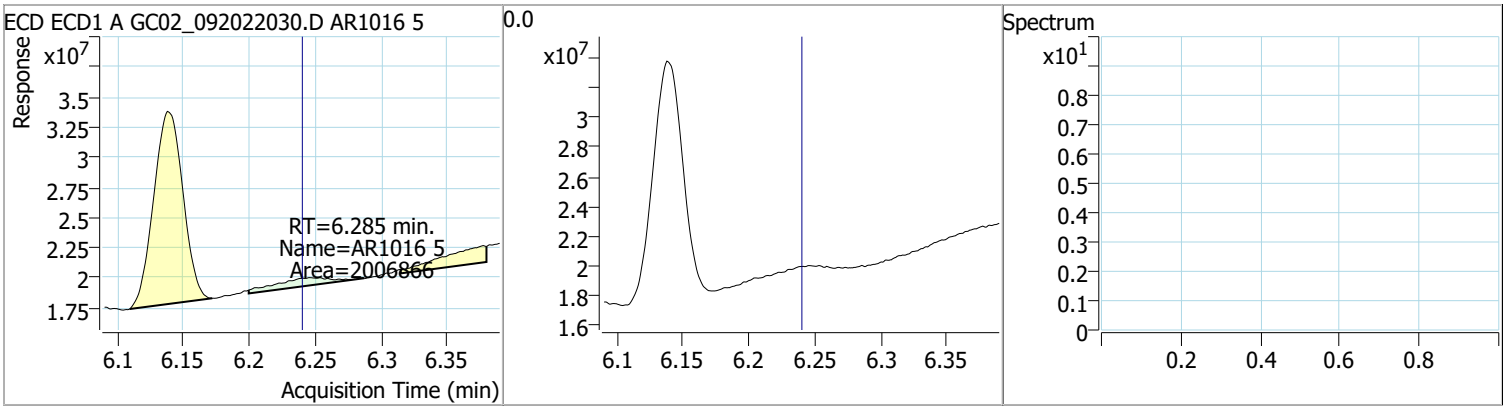
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	7.0011	5.76	-0.01	128332				



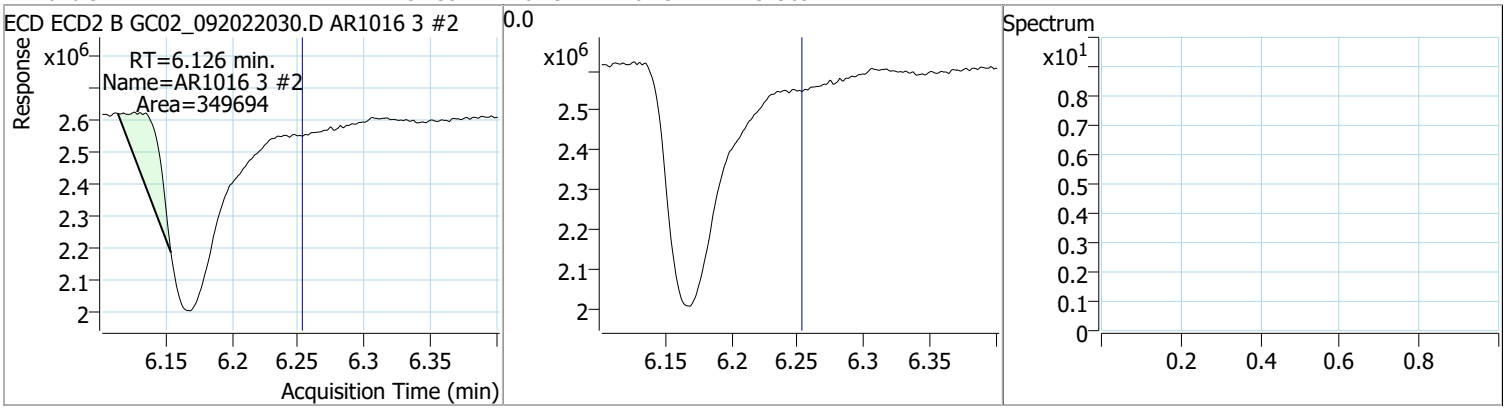
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.7264	5.85	0.02	219935				



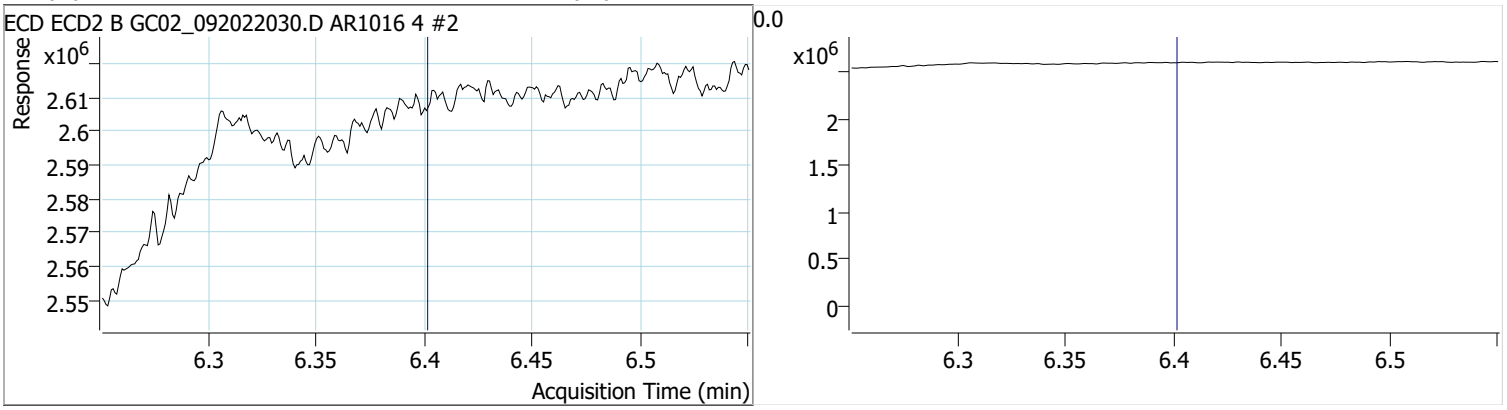
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	7.1966	6.29	0.04	2006866				



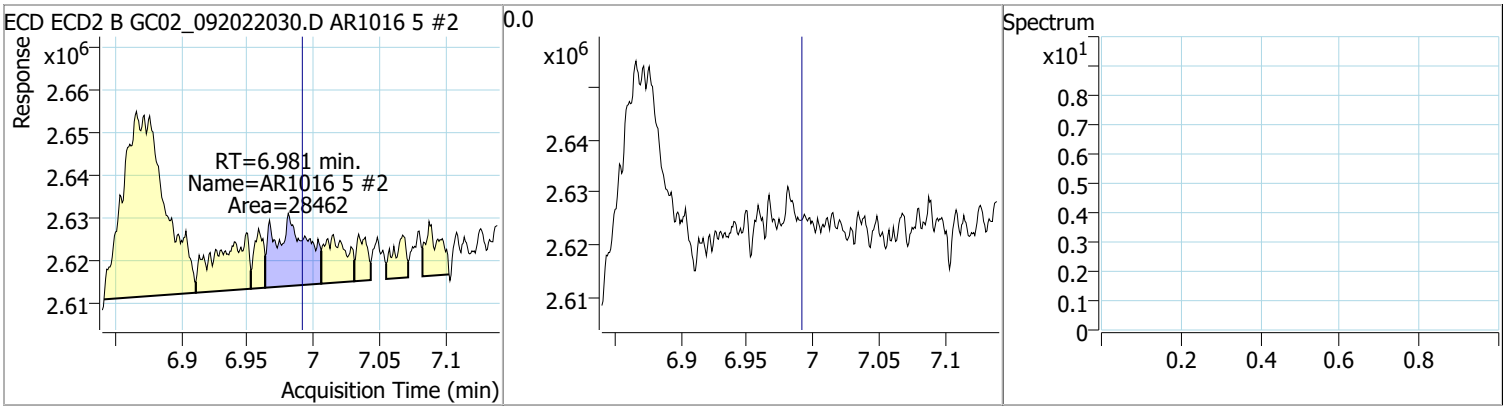
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	15.7357	6.13	-0.13	349694				



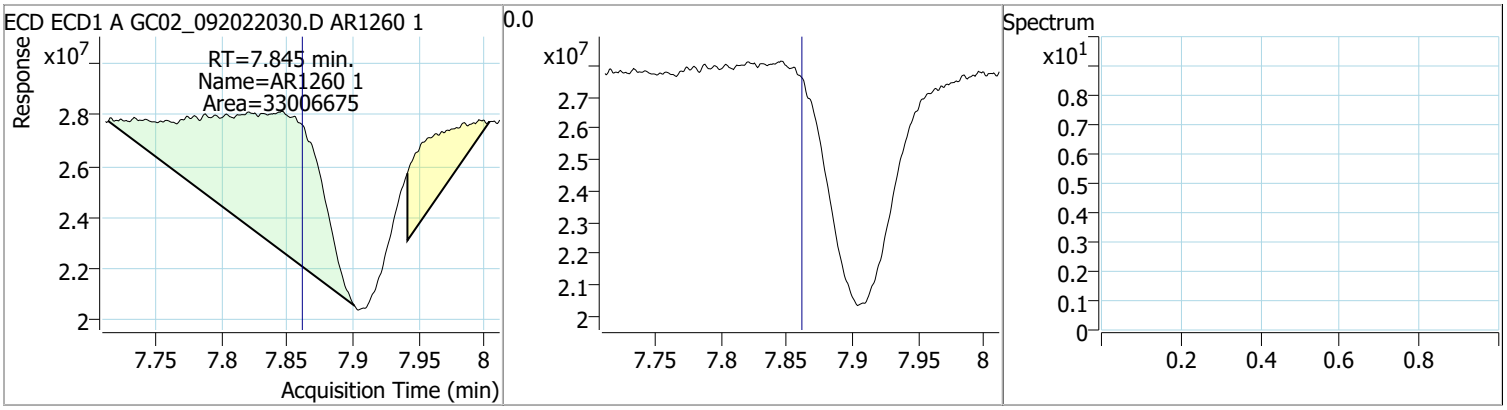
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 4 #2	N.D.	6.40		



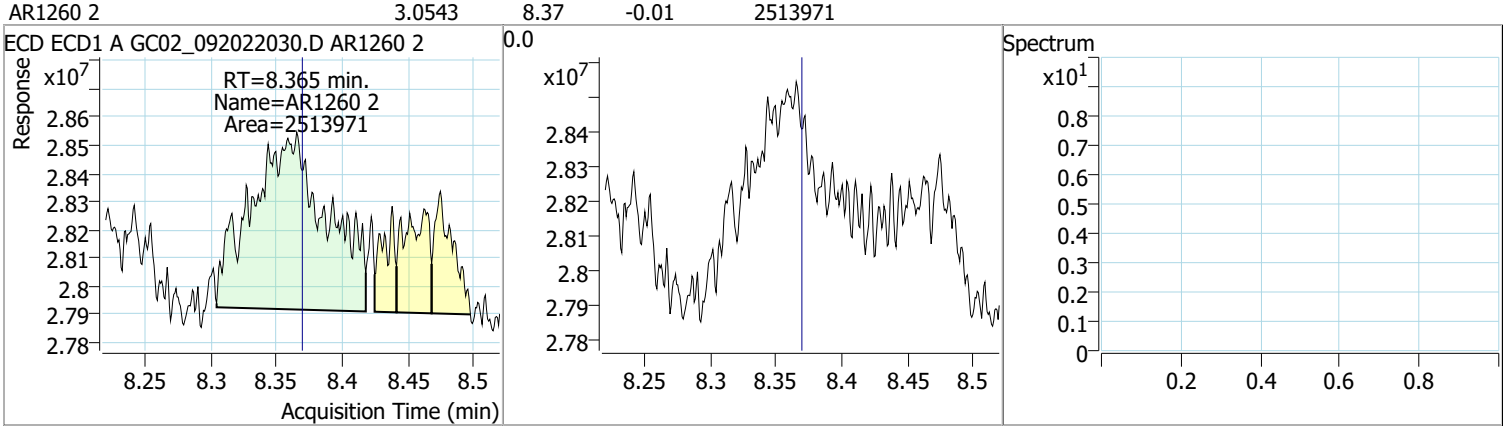
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.0150	6.98	-0.01	28462				



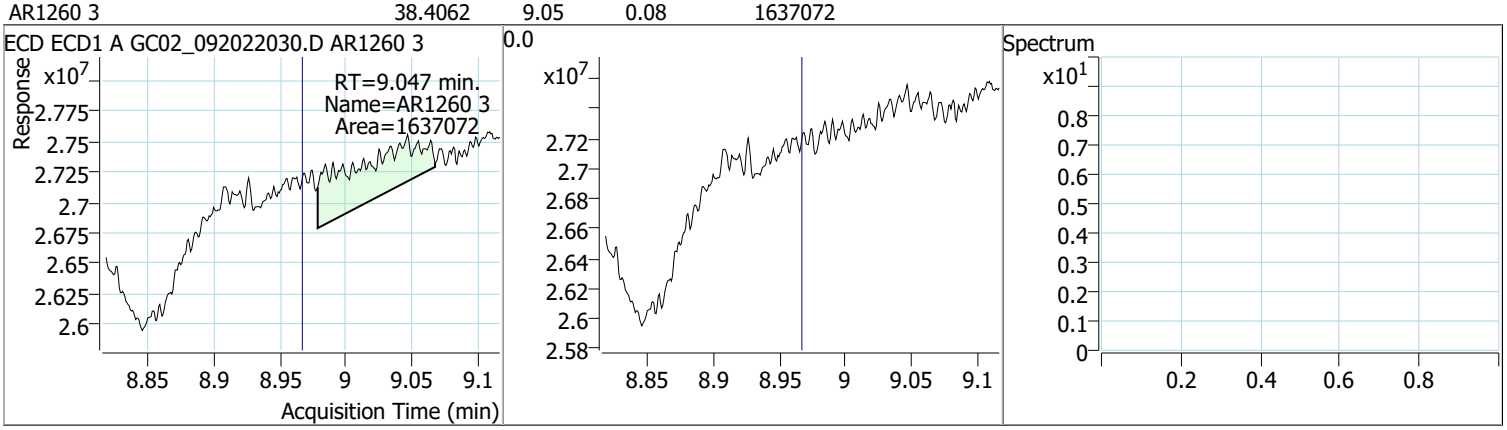
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	61.2987	7.85	-0.02	33006675				



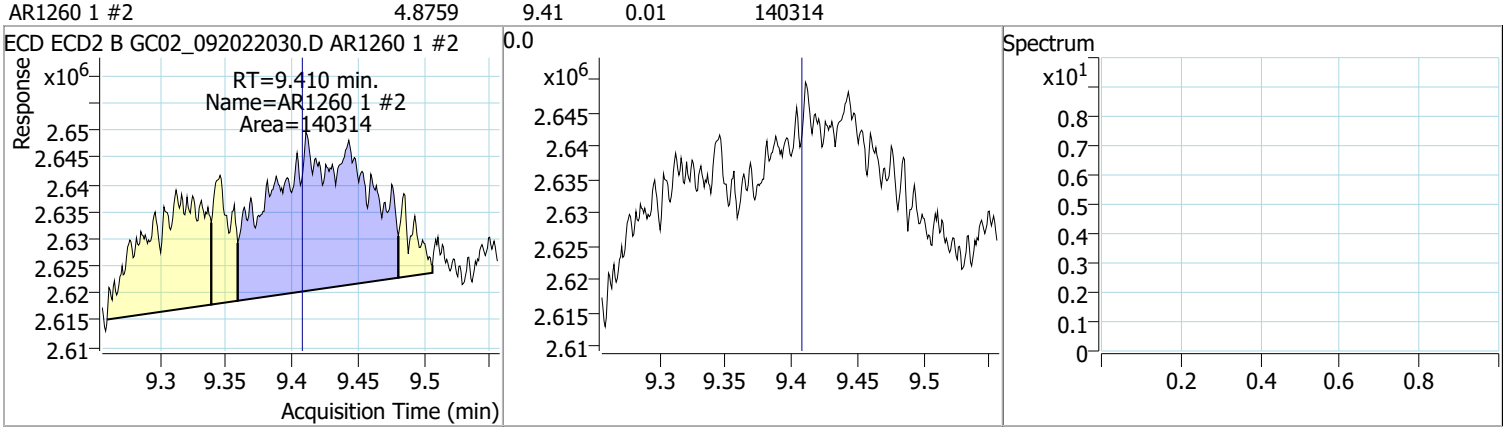
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.0543	8.37	-0.01	2513971				



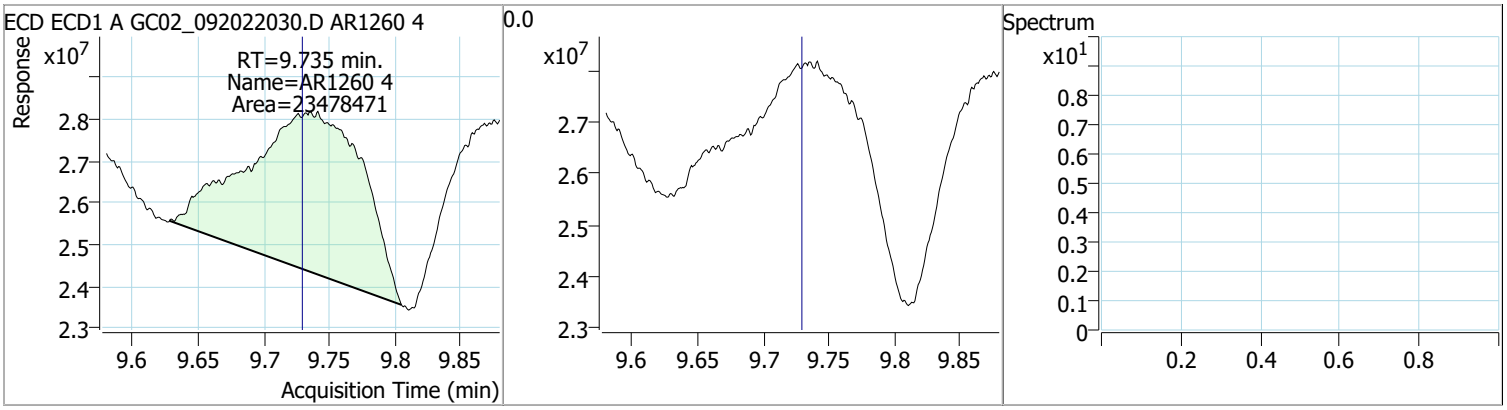
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	38.4062	9.05	0.08	1637072				



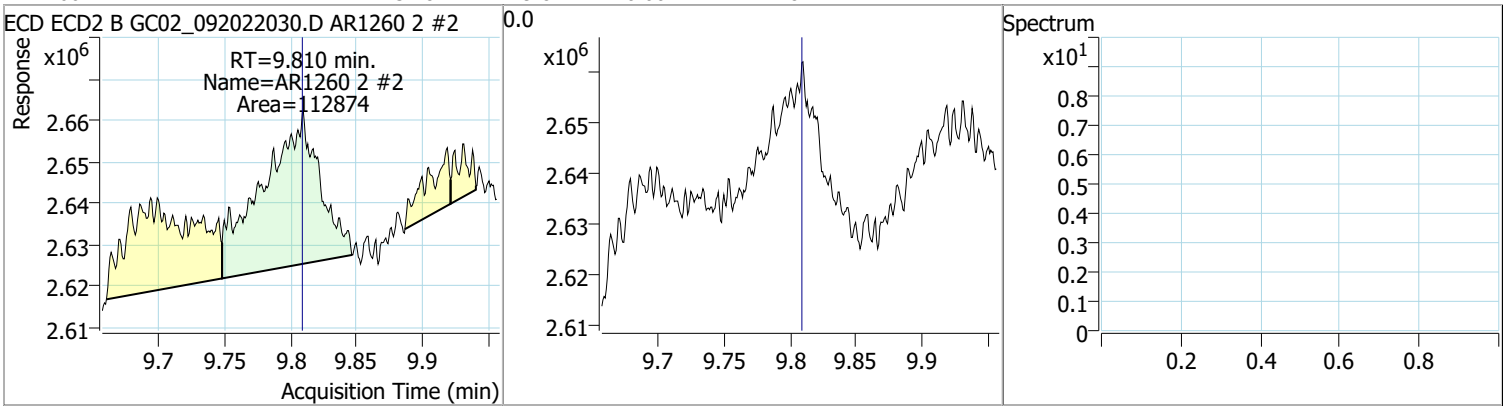
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	4.8759	9.41	0.01	140314				



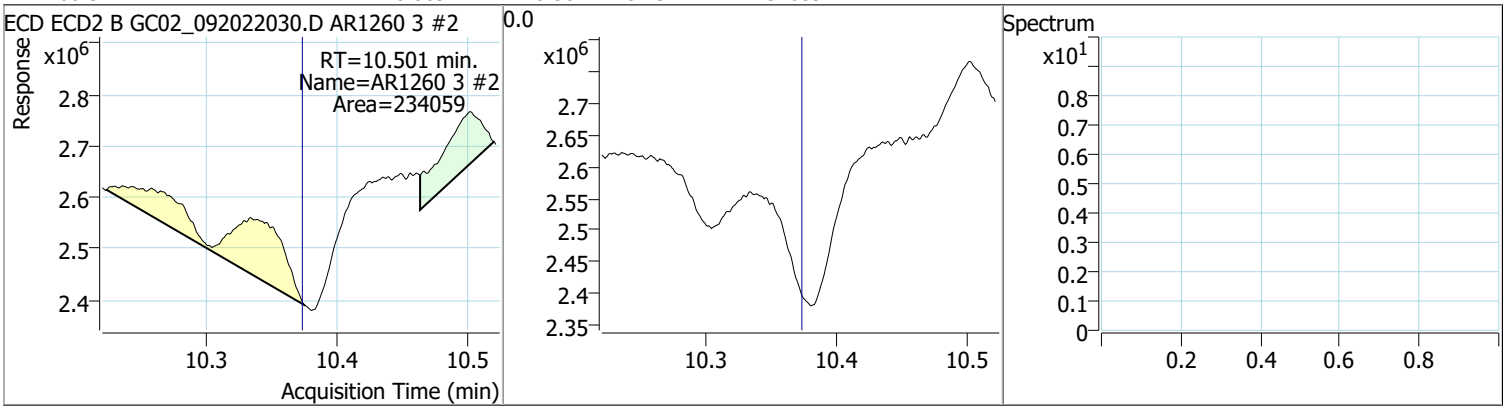
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.3895	9.74	0.00	23478471				



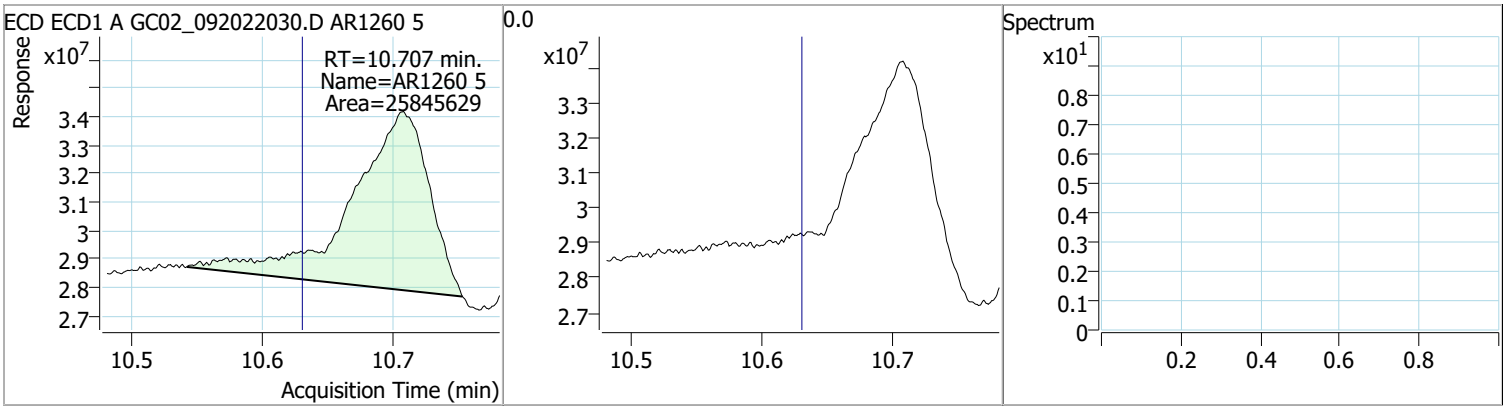
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.4812	9.81	0.00	112874				



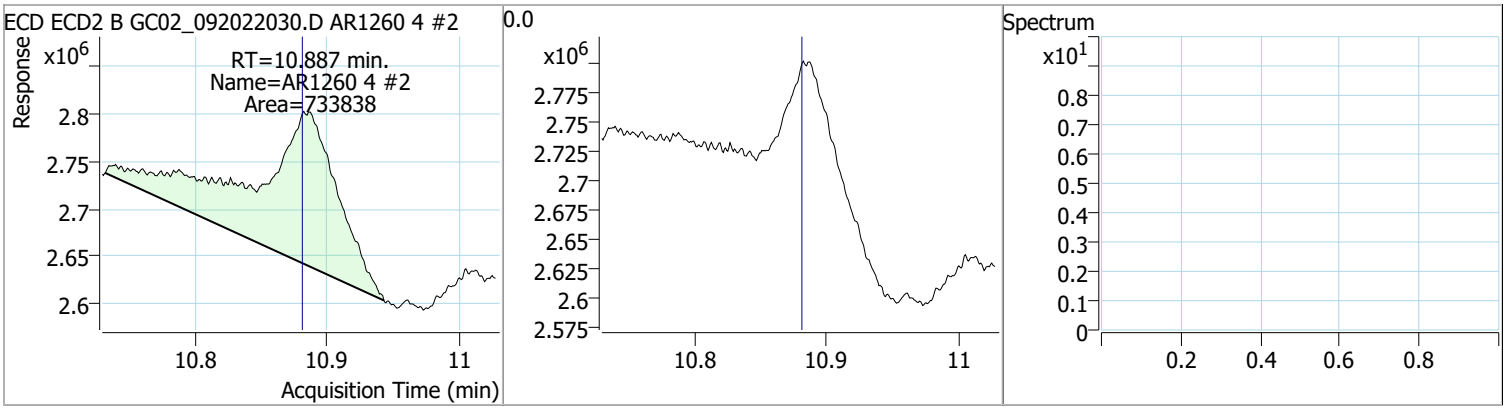
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	6.0694	10.50	0.13	234059				



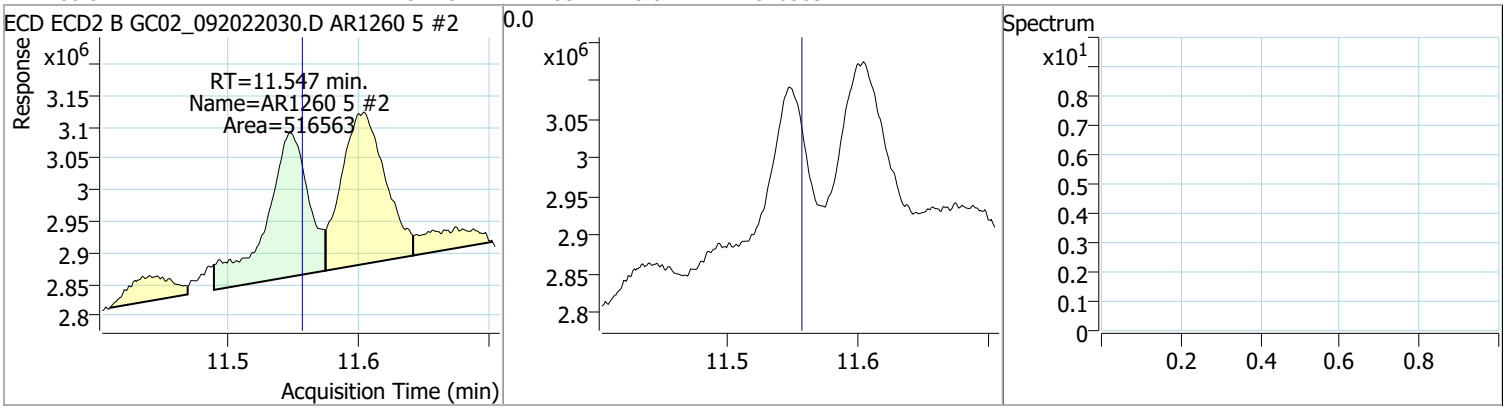
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	35.6849	10.71	0.08	25845629				



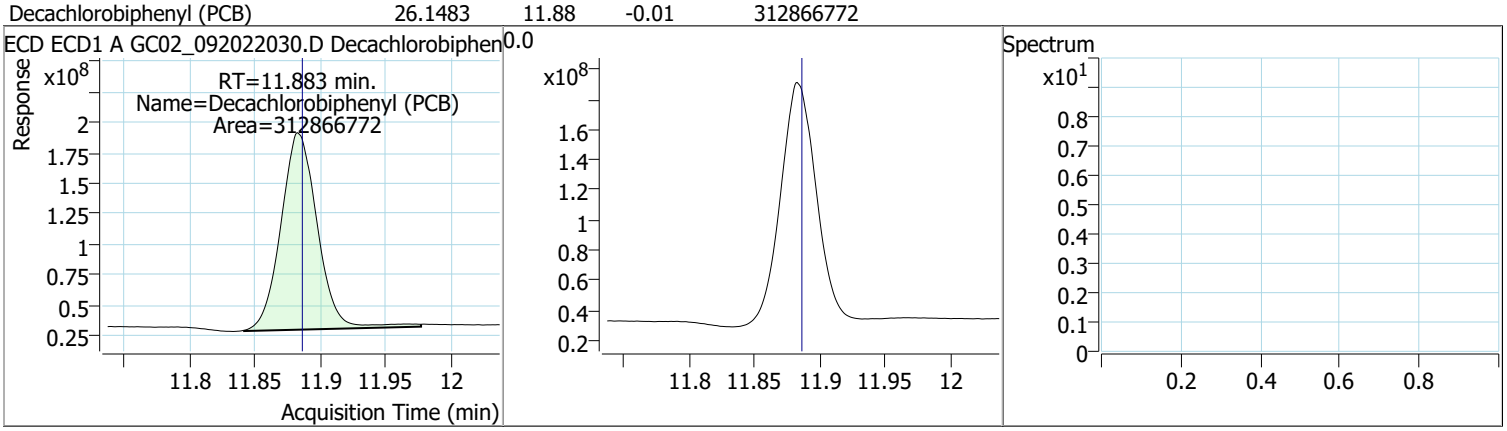
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	33.0373	10.89	0.01	733838				



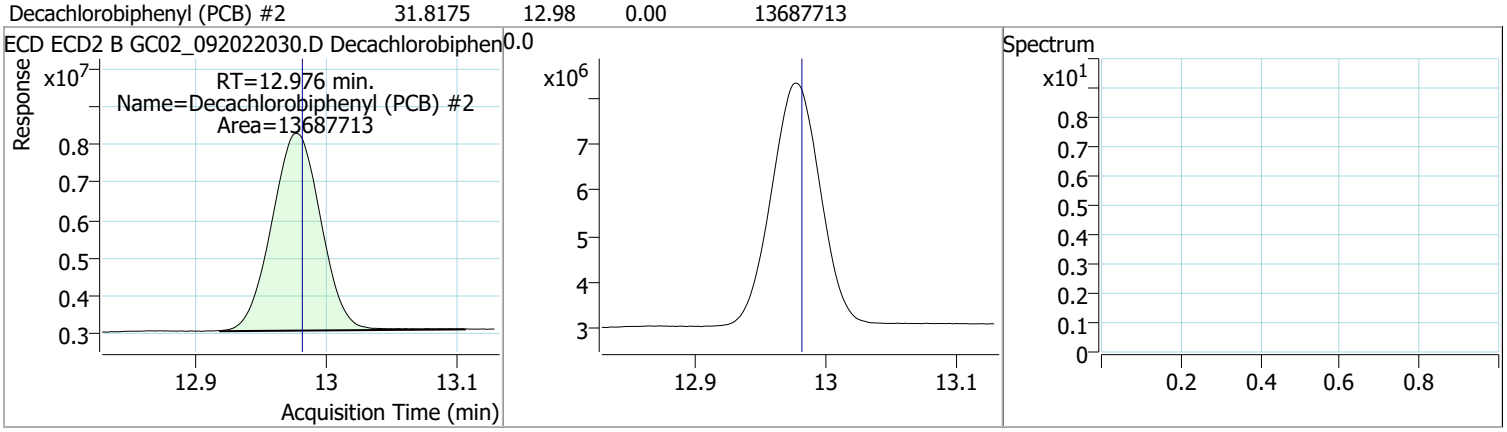
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	15.7157	11.55	-0.01	516563				



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)

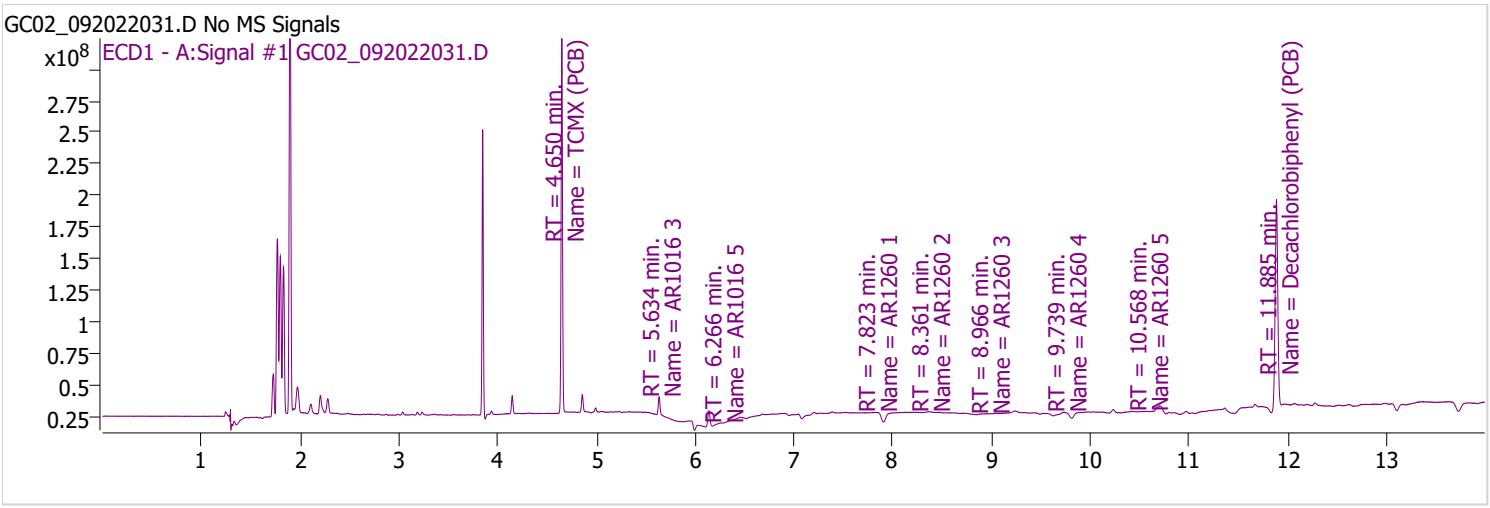
ISTD (CCV gc02_092022-008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

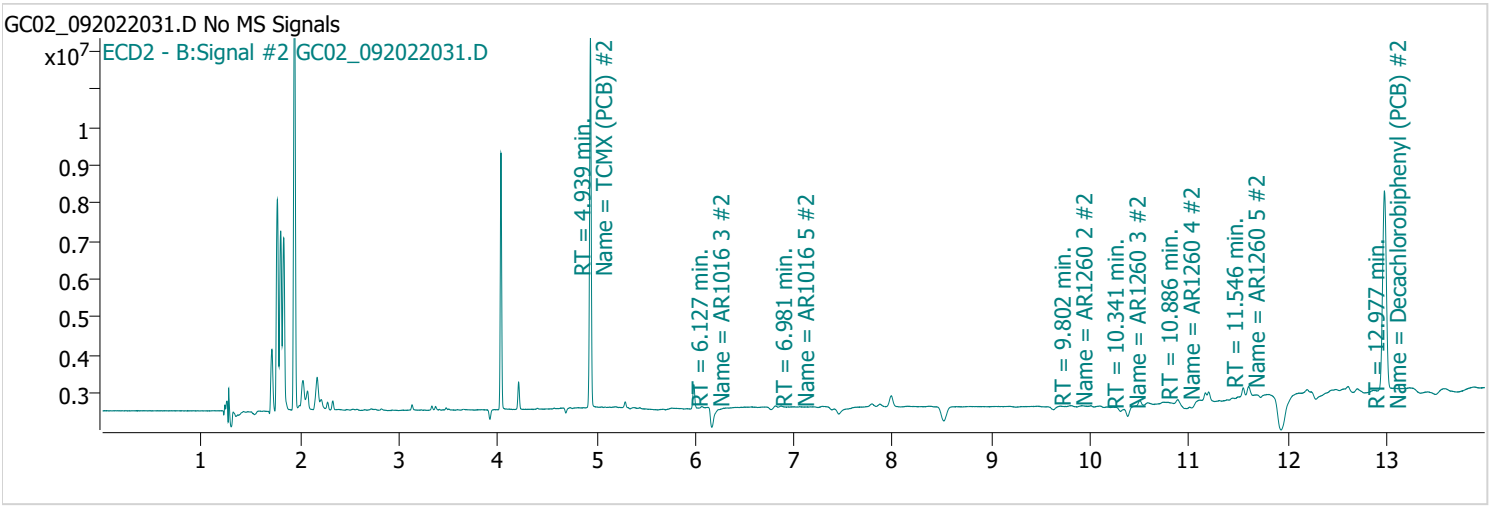
Analyst: TJW 09/21/22 *

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			



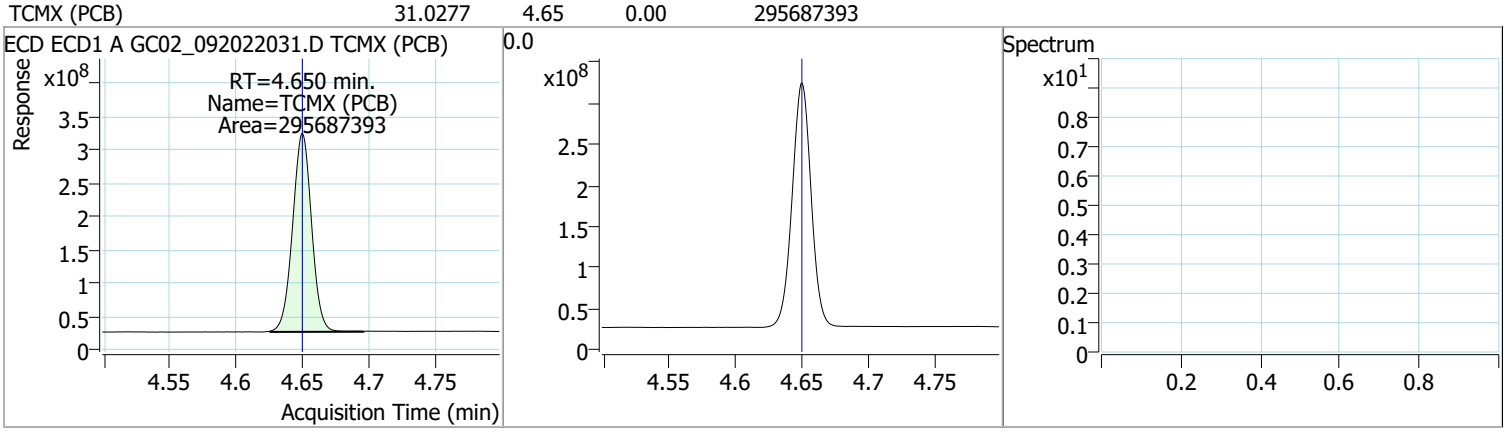


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.849	0.0	201466085.908	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.033	0.0	7062929.768	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.650	0.0	295687392.651	31.0277	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

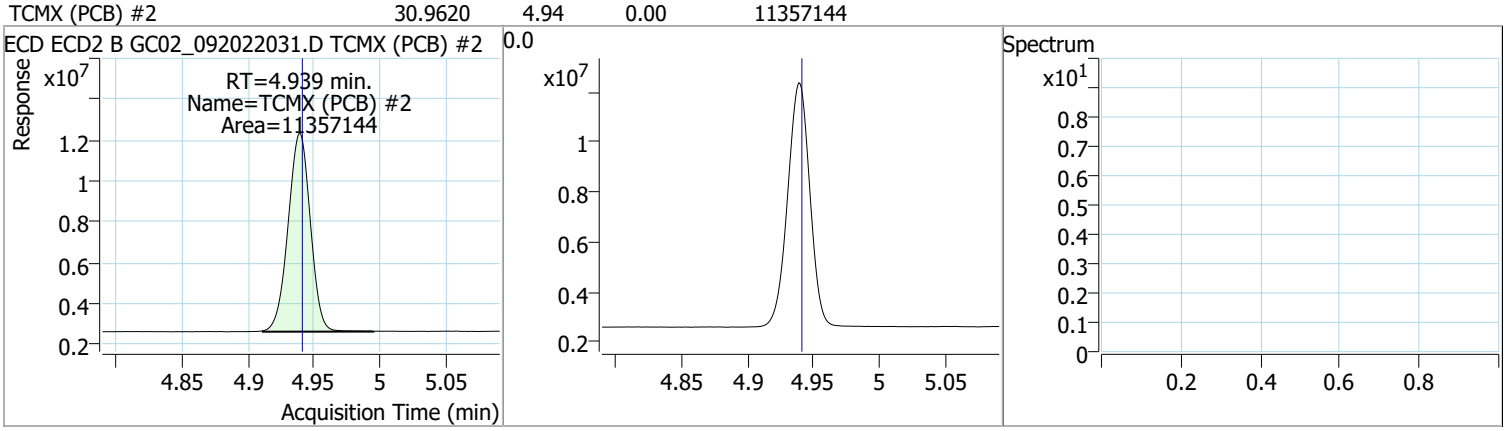
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.992	0.0	6012604.975	33.9334	ng/ml	100
T AR1016 2	5.276	0.0	680880.946	1.9905	ng/ml	100
T AR1016 1 #2	5.378	0.0	105940.963	11.8708	ng/ml	100
T AR1016 3	5.634	0.0	20964604.490	40.6677	ng/ml	100
T AR1016 2 #2	5.766	0.0	185186.181	10.2773	ng/ml	100
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

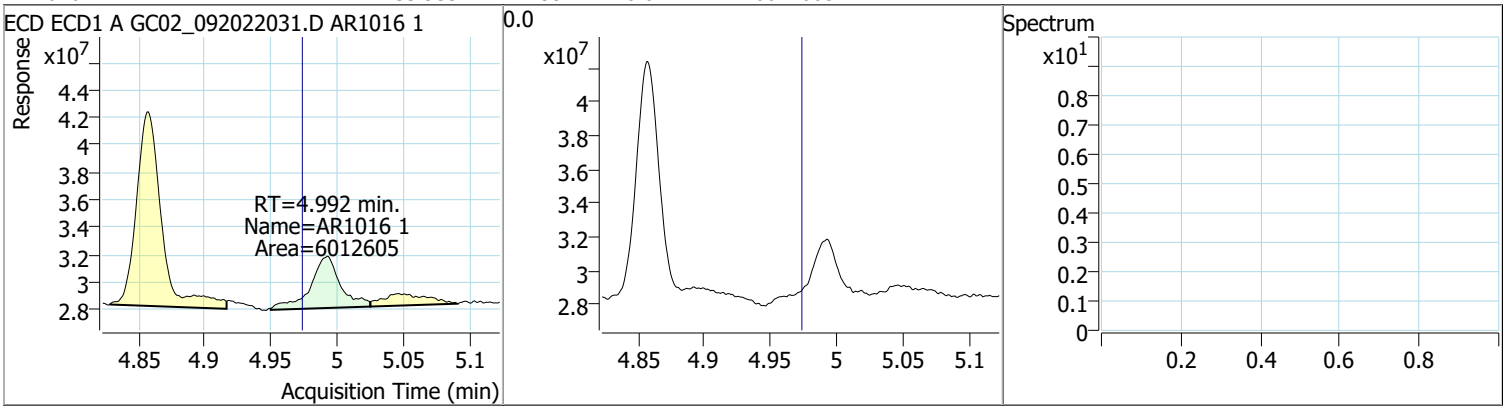
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.0277	4.65	0.00	295687393				



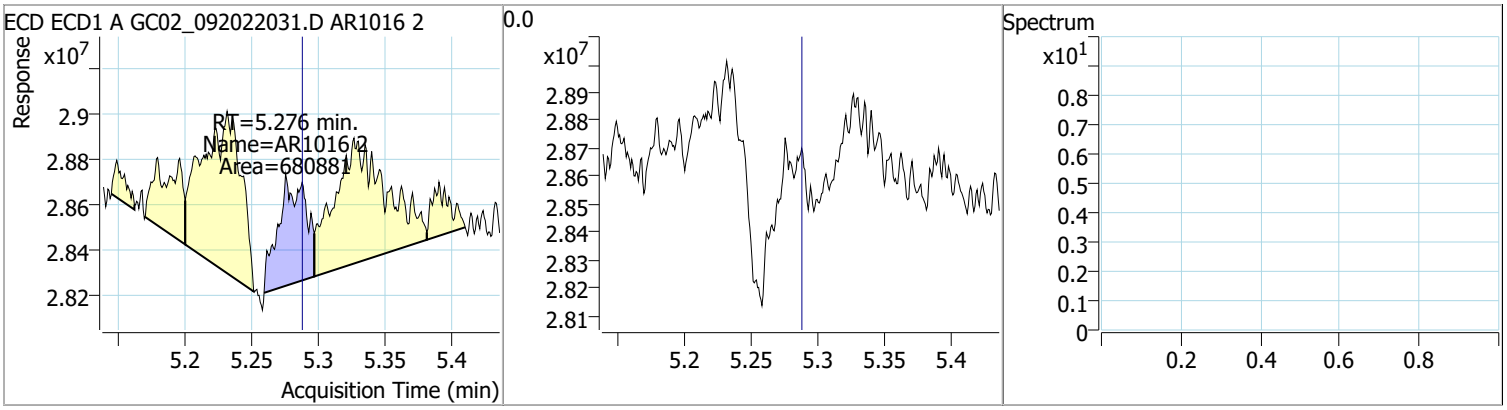
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.9620	4.94	0.00	11357144				



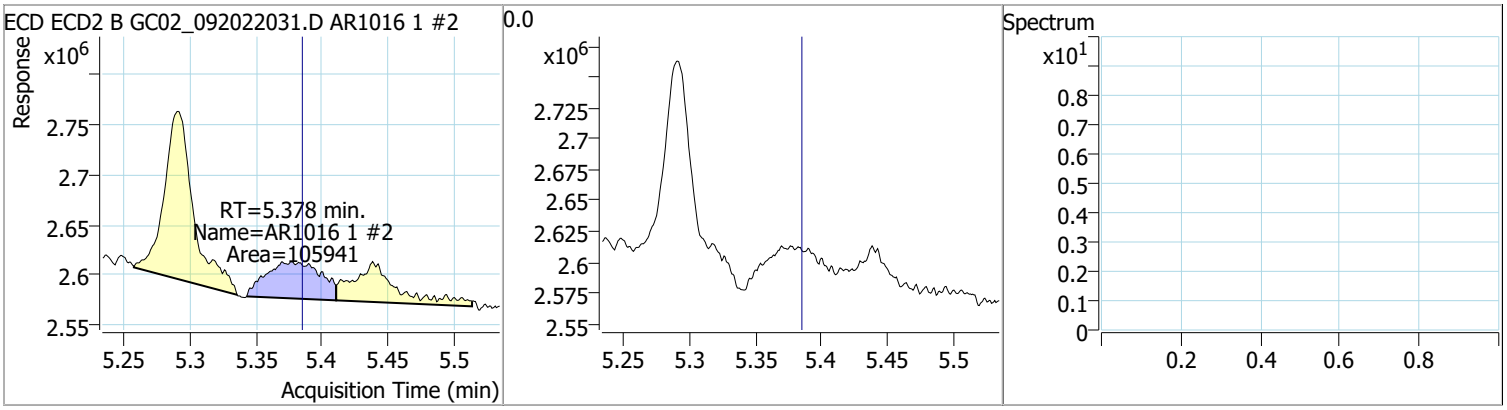
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	33.9334	4.99	0.02	6012605				



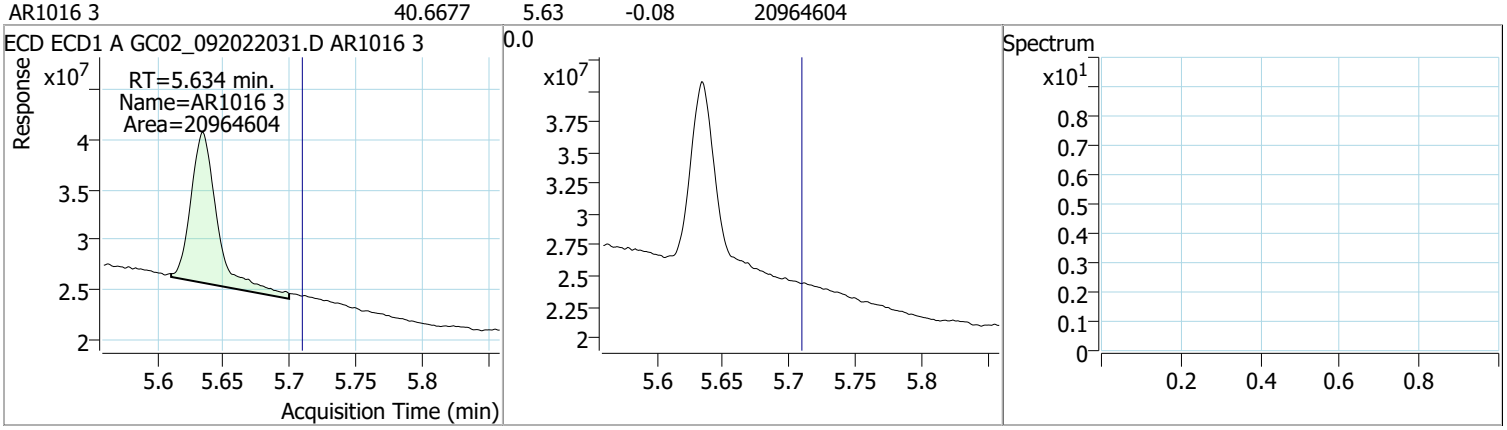
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.9905	5.28	-0.01	680881				



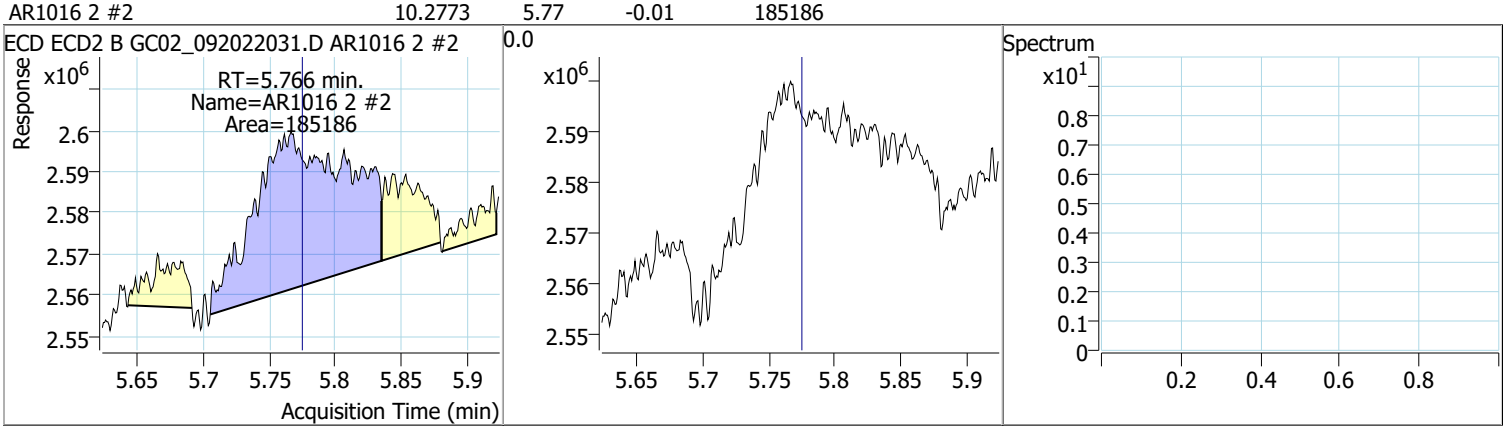
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	11.8708	5.38	-0.01	105941				



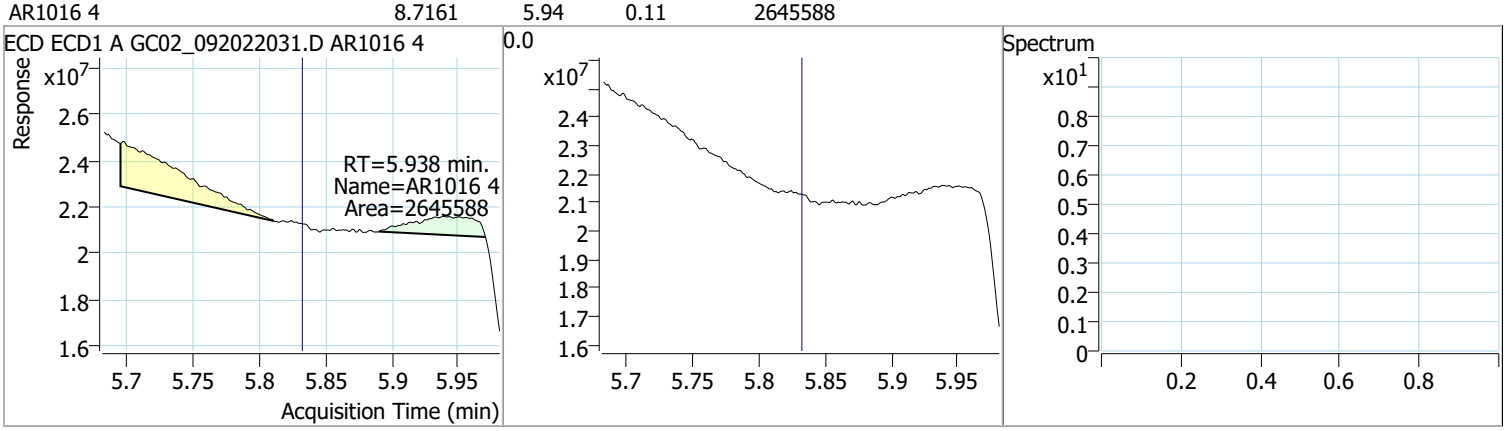
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	40.6677	5.63	-0.08	20964604				



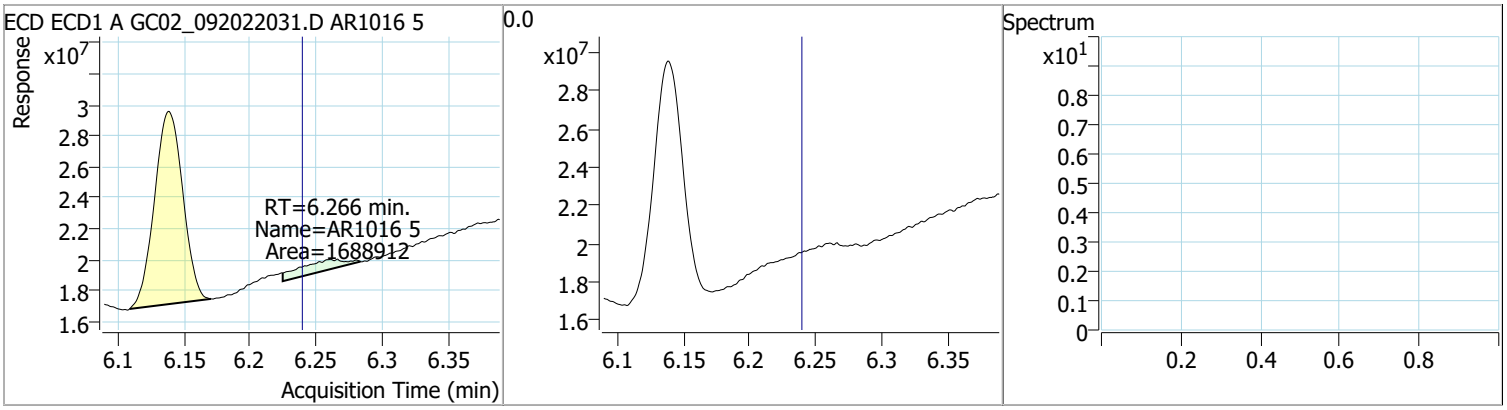
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	10.2773	5.77	-0.01	185186				



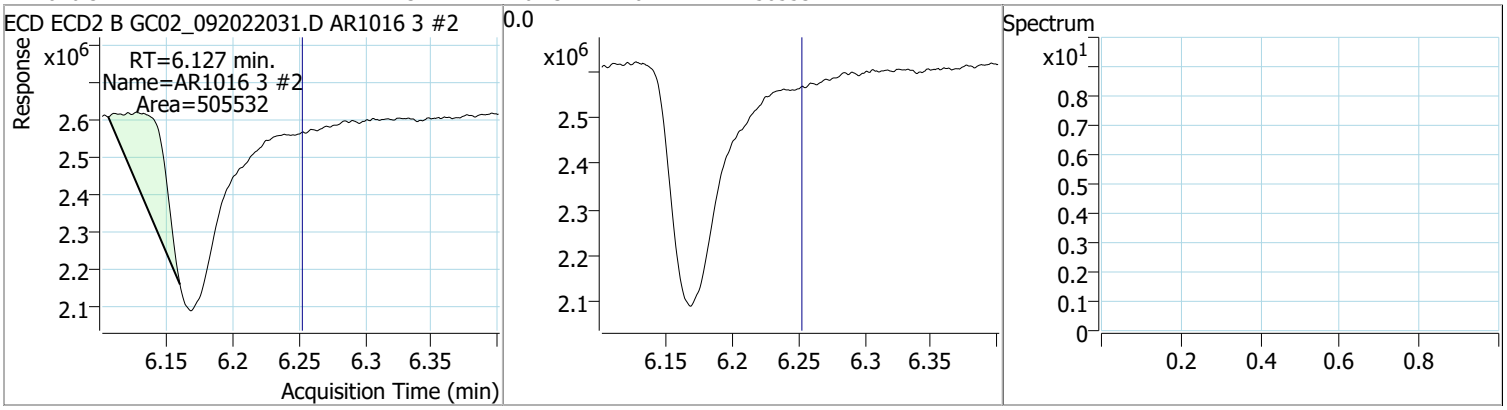
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	8.7161	5.94	0.11	2645588				



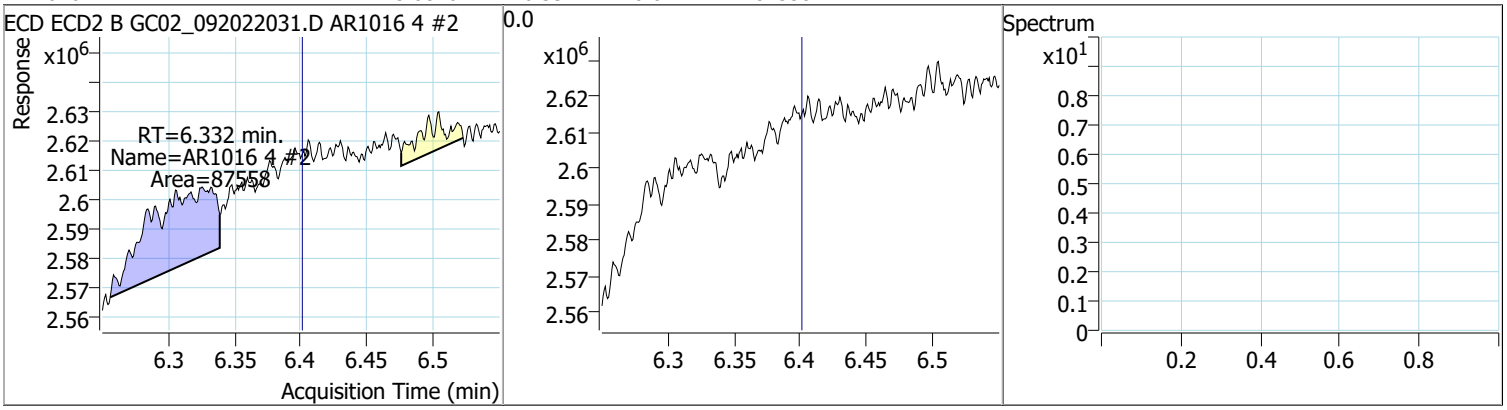
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	6.0415	6.27	0.03	1688912				



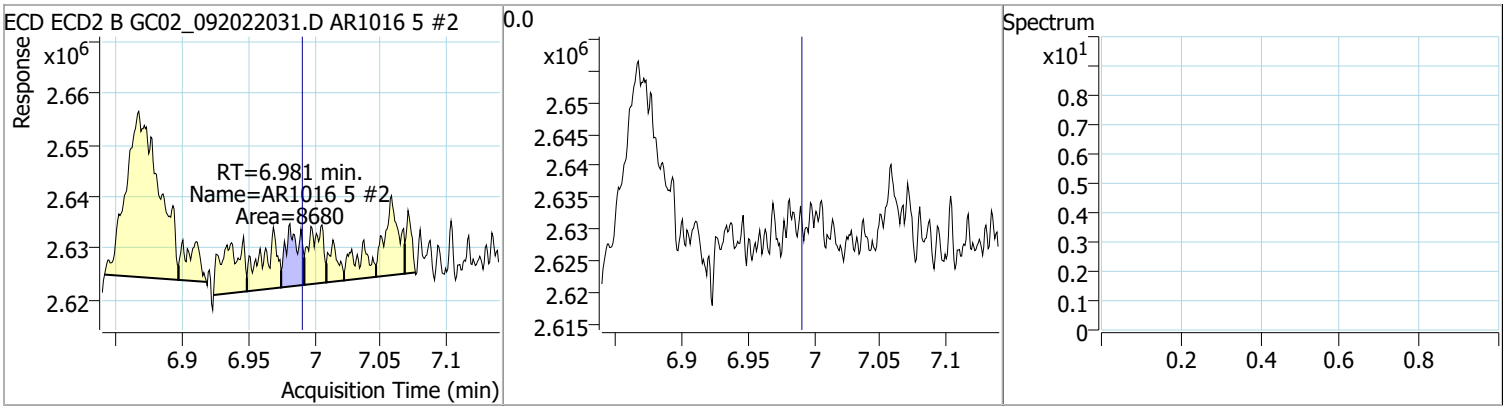
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	23.1412	6.13	-0.12	505532				



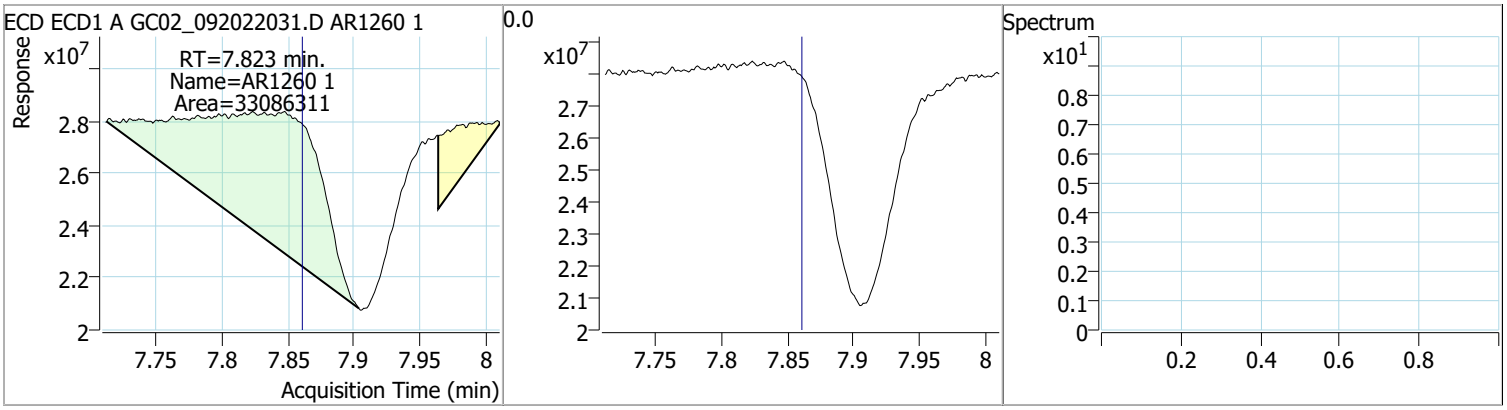
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	5.0826	6.33	-0.07	87558				



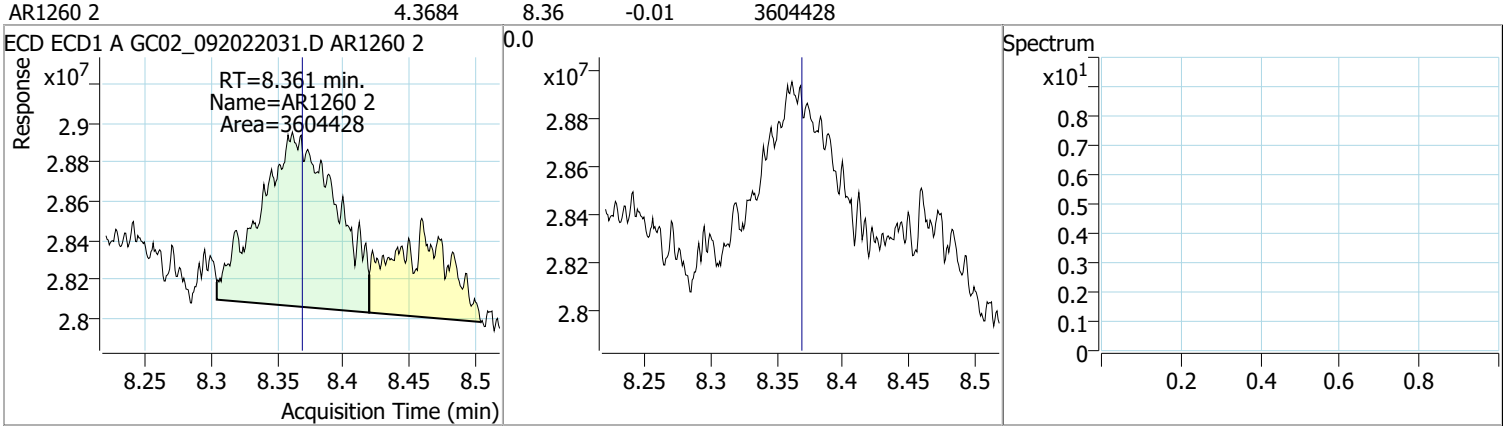
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.6251	6.98	-0.01	8680				



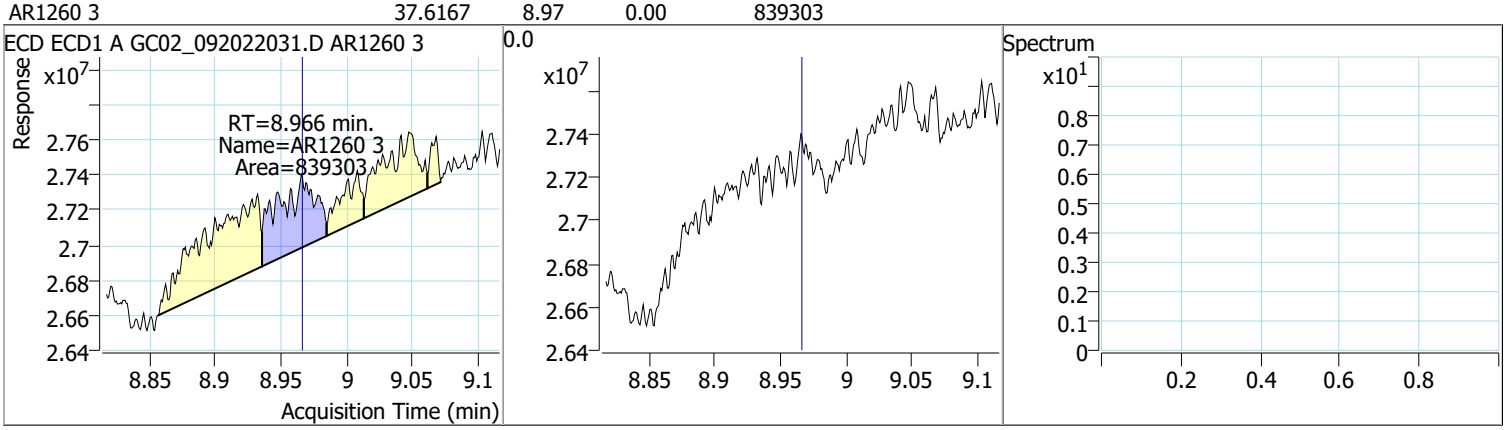
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	61.2945	7.82	-0.04	33086311				



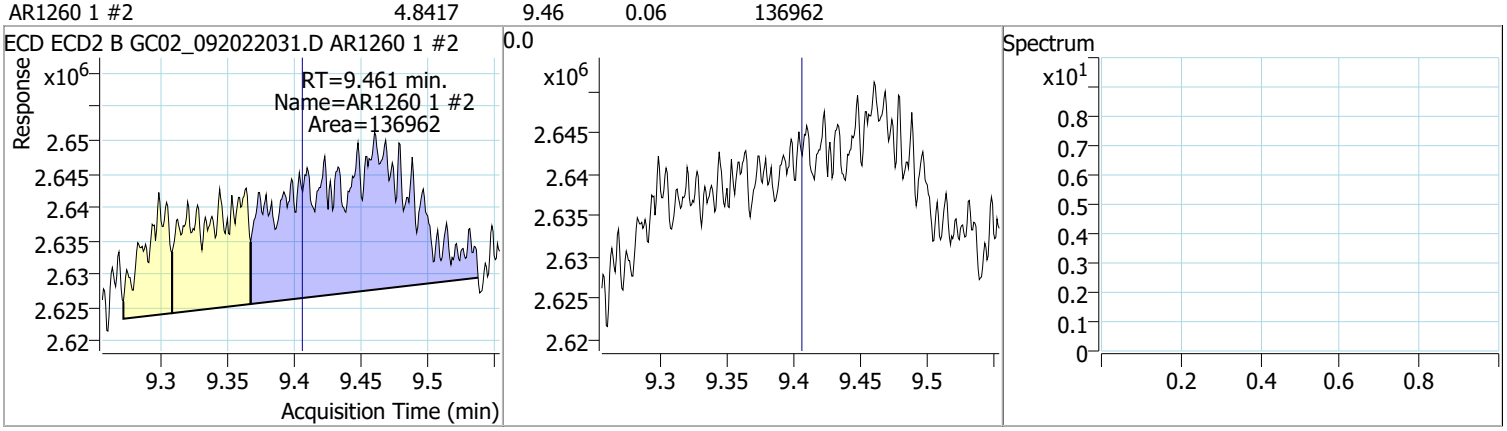
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.3684	8.36	-0.01	3604428				



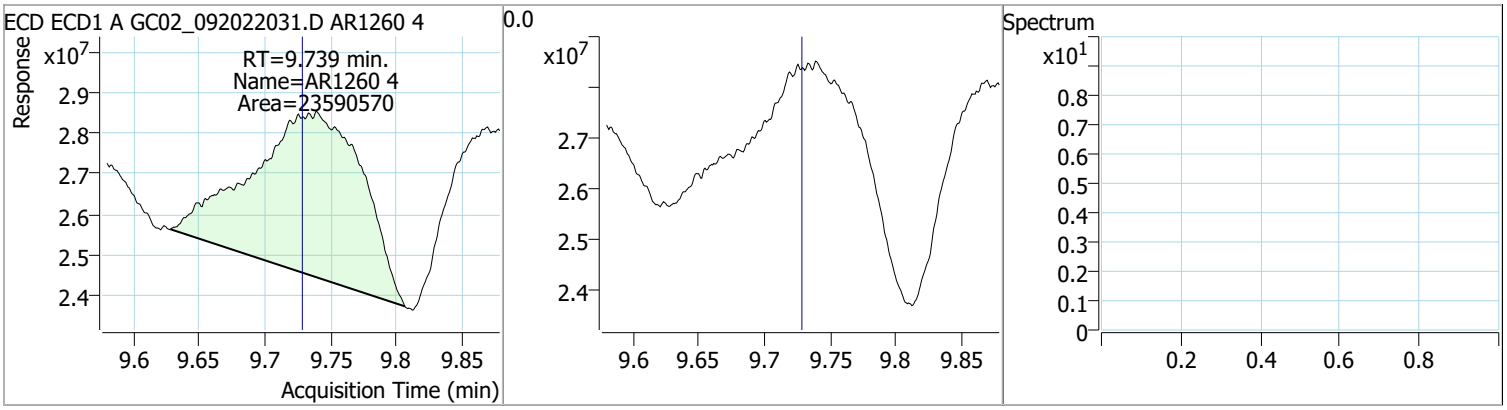
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	37.6167	8.97	0.00	839303				



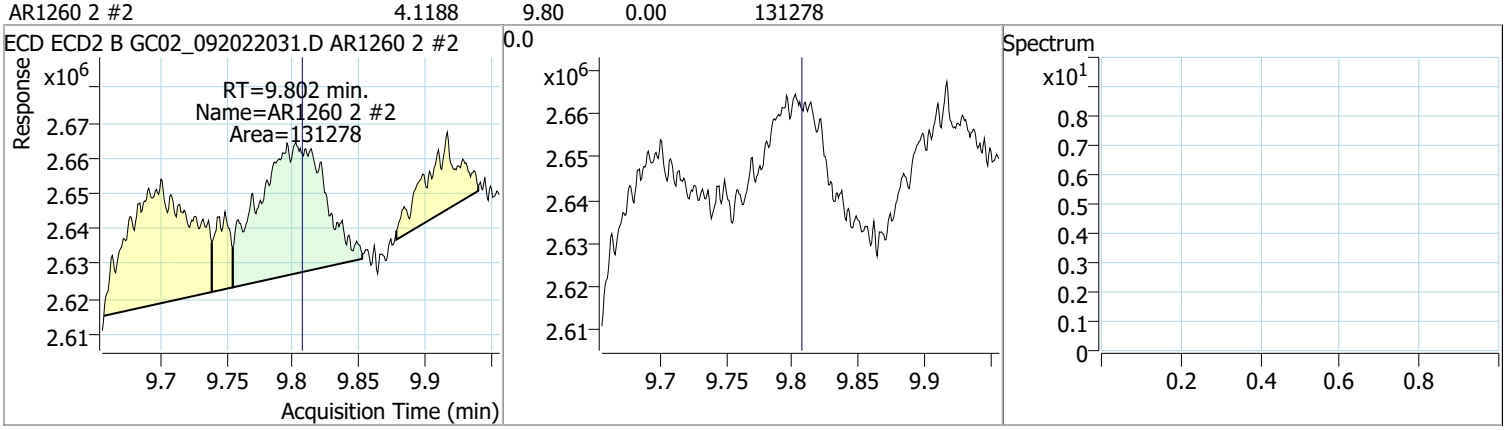
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	4.8417	9.46	0.06	136962				



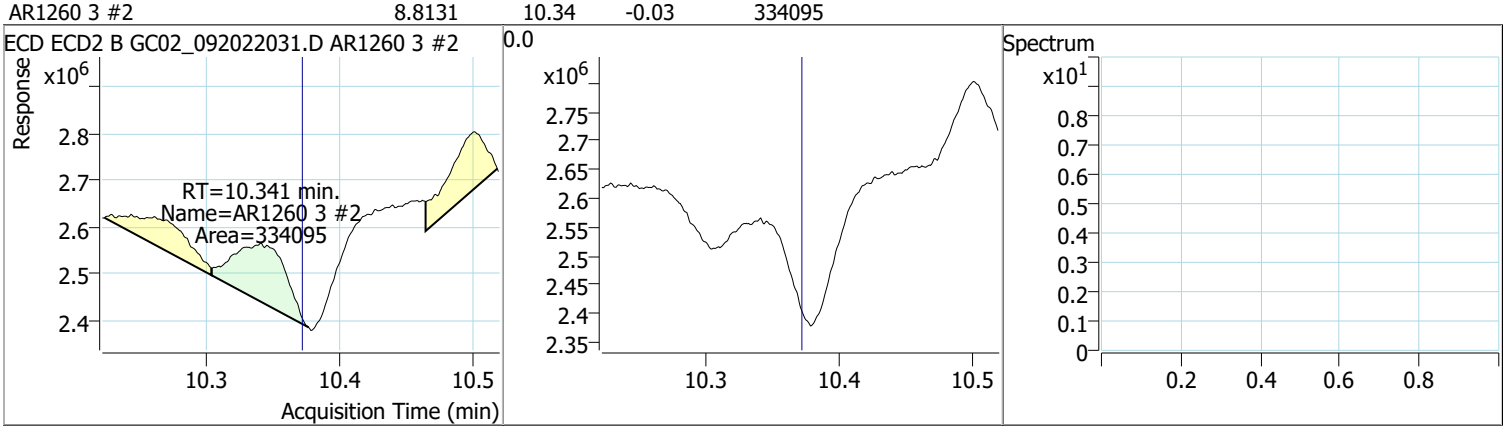
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.4865	9.74	0.01	23590570				



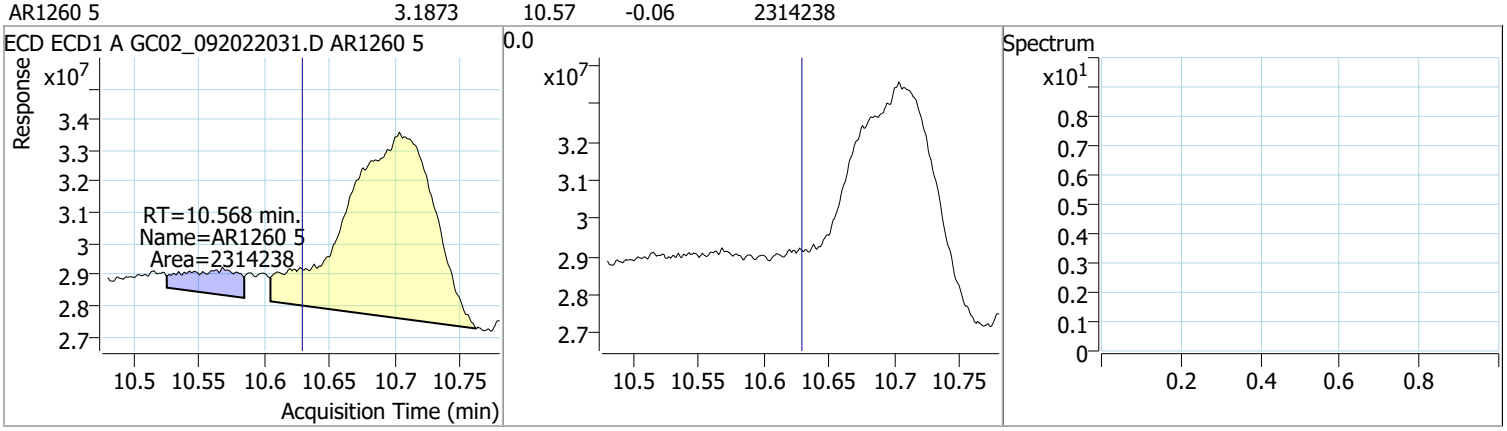
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.1188	9.80	0.00	131278				



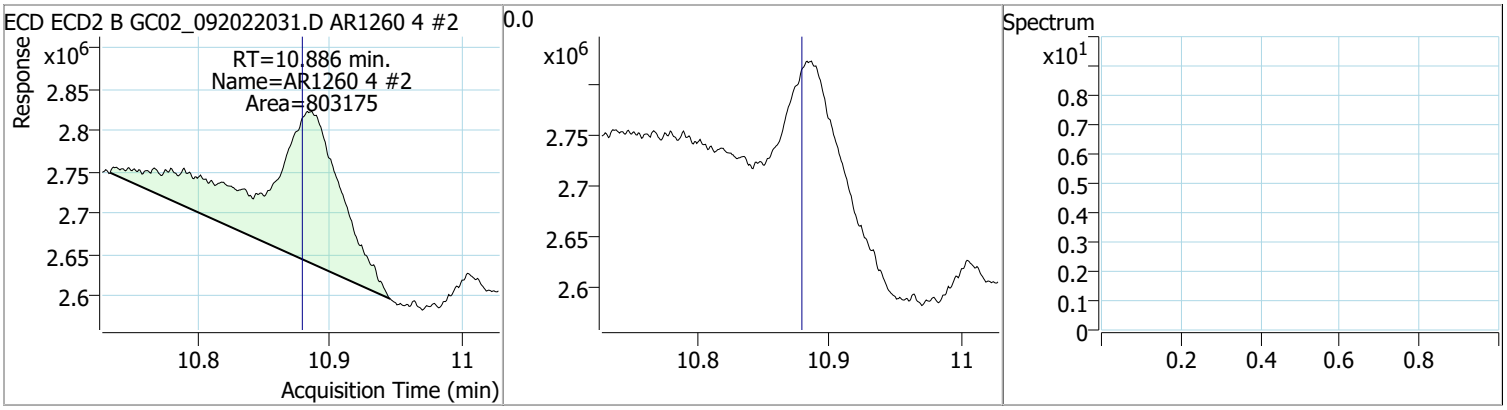
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.8131	10.34	-0.03	334095				



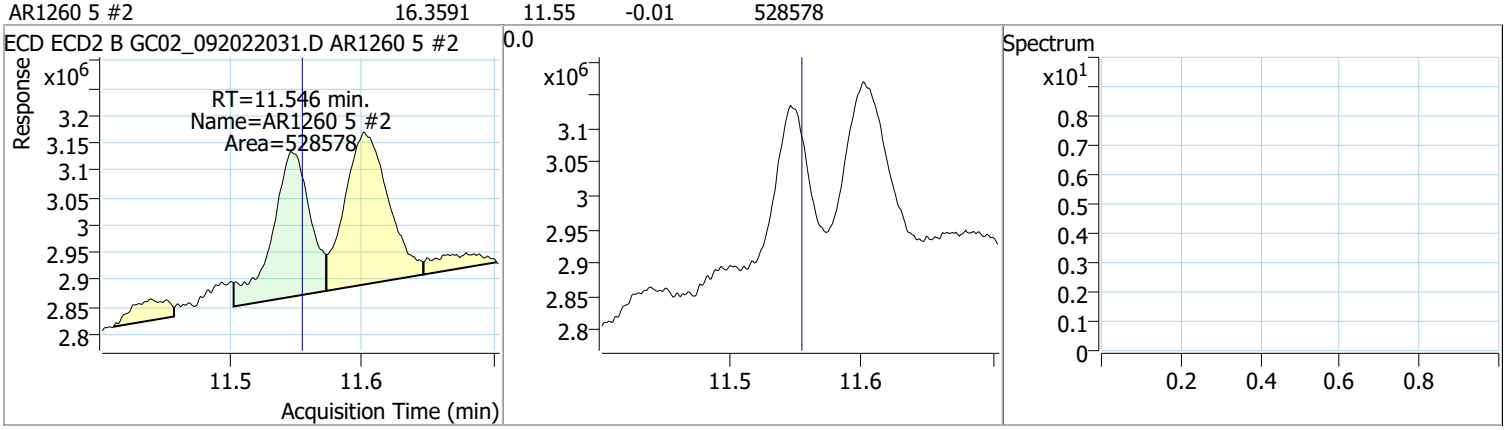
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	3.1873	10.57	-0.06	2314238				



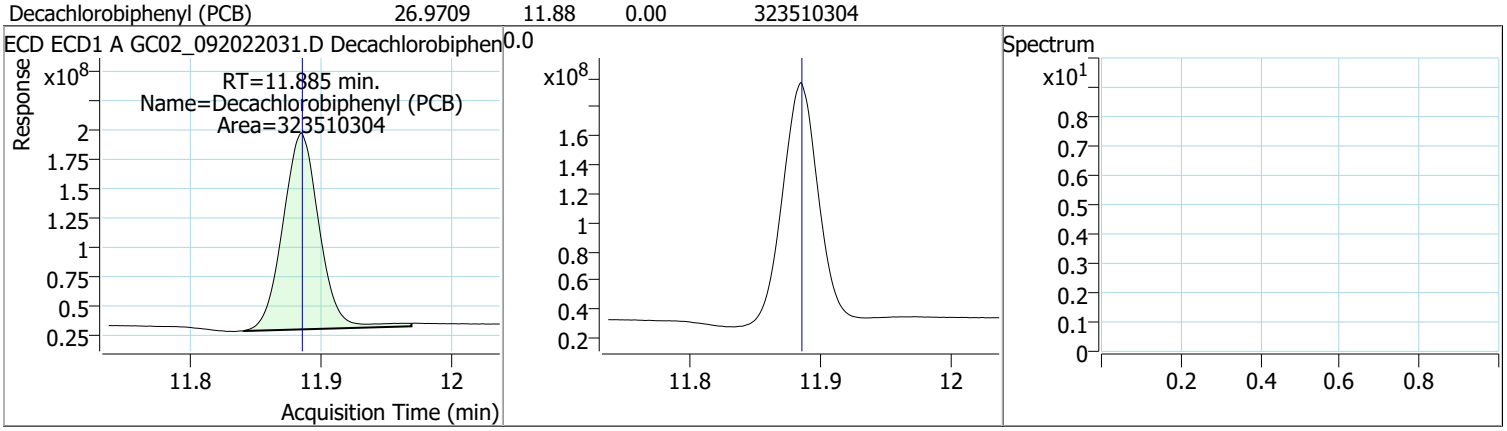
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	36.7836	10.89	0.01	803175				



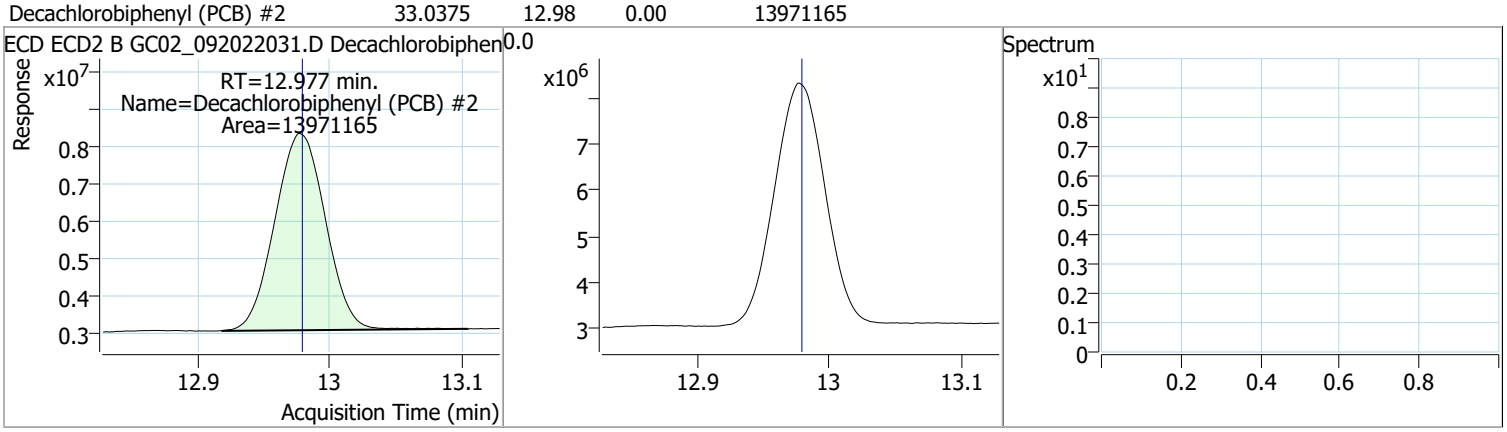
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	16.3591	11.55	-0.01	528578				



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)

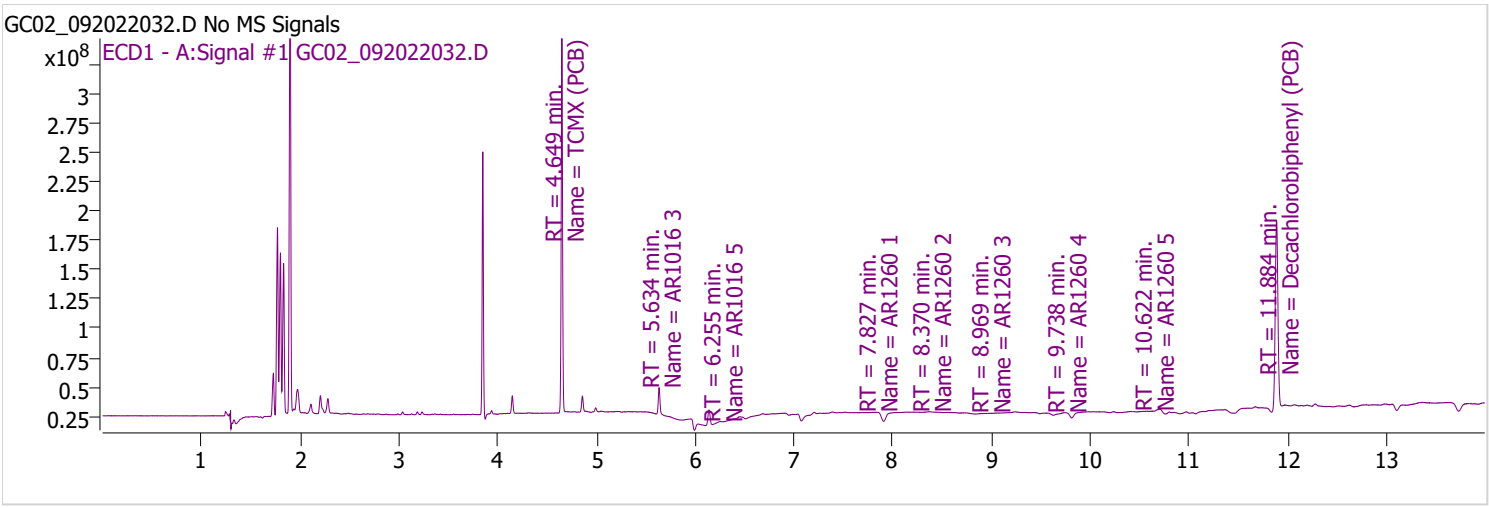
ISTD (CCV gc02_092022-008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

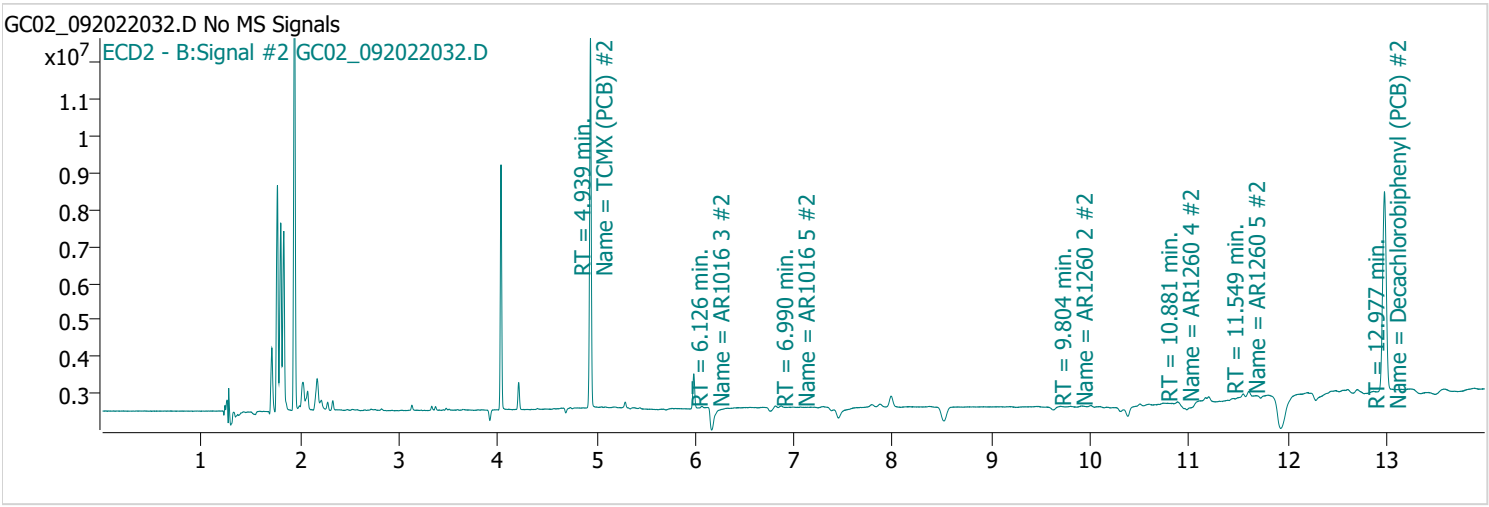
Analyst: TJW 09/21/22 *

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			



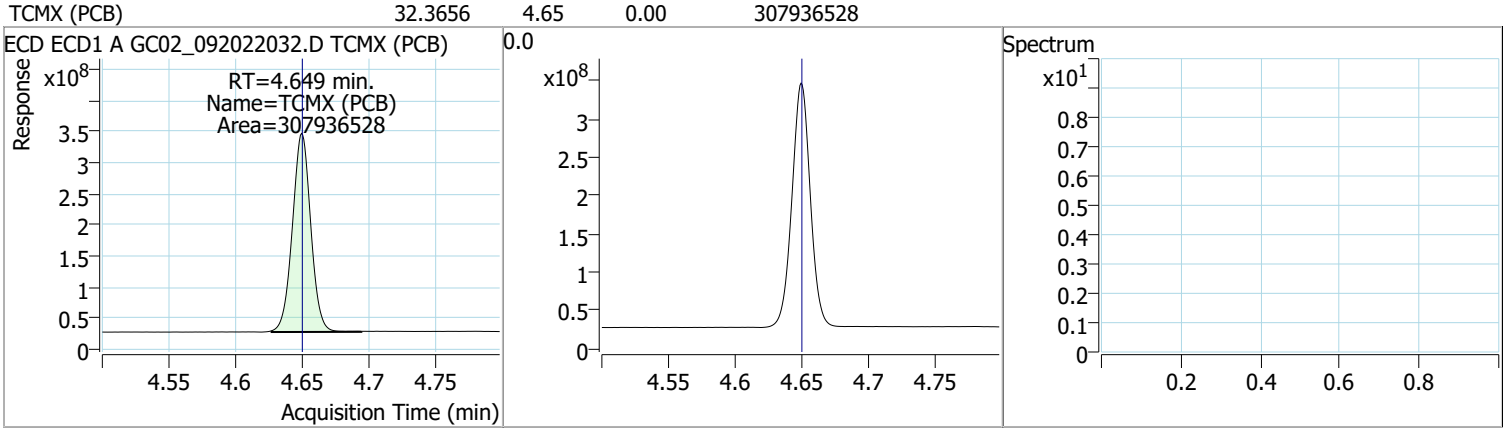


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.849	0.0	201139041.140	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.034	0.0	7060474.121	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.649	0.0	307936527.919	32.3656	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

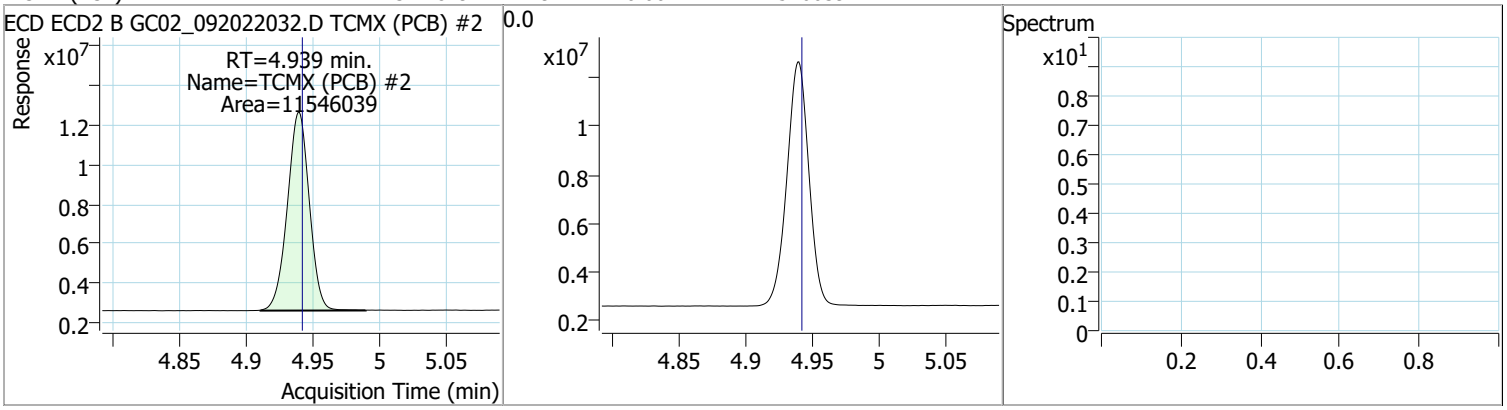
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.991	0.0	5427981.145	30.6837	ng/ml	100
T AR1016 2	5.287	0.0	635993.817	1.8623	ng/ml	100
T AR1016 1 #2	5.377	0.0	71827.537	8.0512	ng/ml	100
T AR1016 3	5.634	0.0	27931502.578	54.2704	ng/ml	100
T AR1016 2 #2	5.761	0.0	110677.612	6.1444	ng/ml	100
T 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

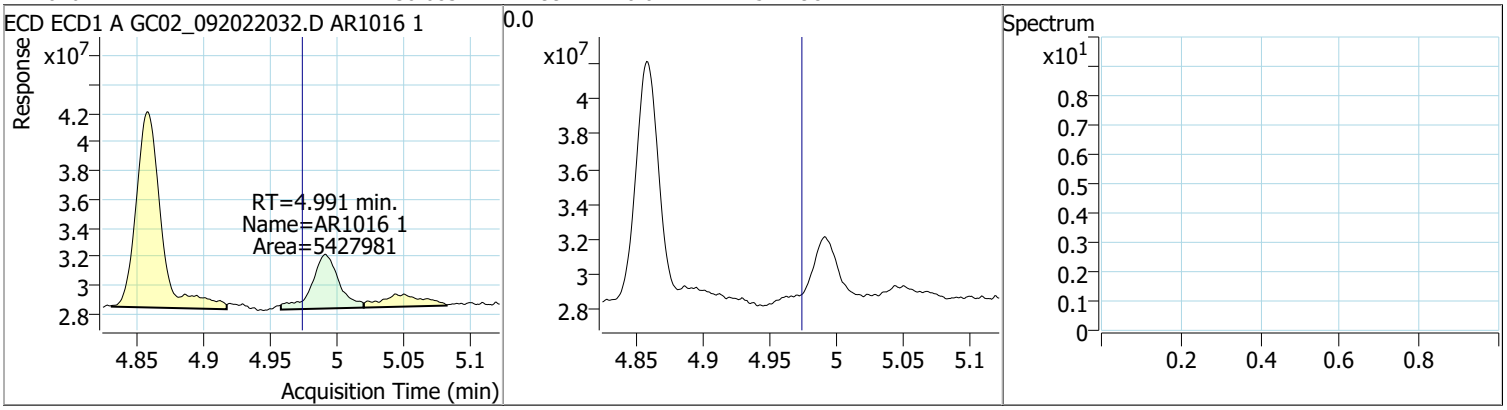
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.3656	4.65	0.00	307936528				



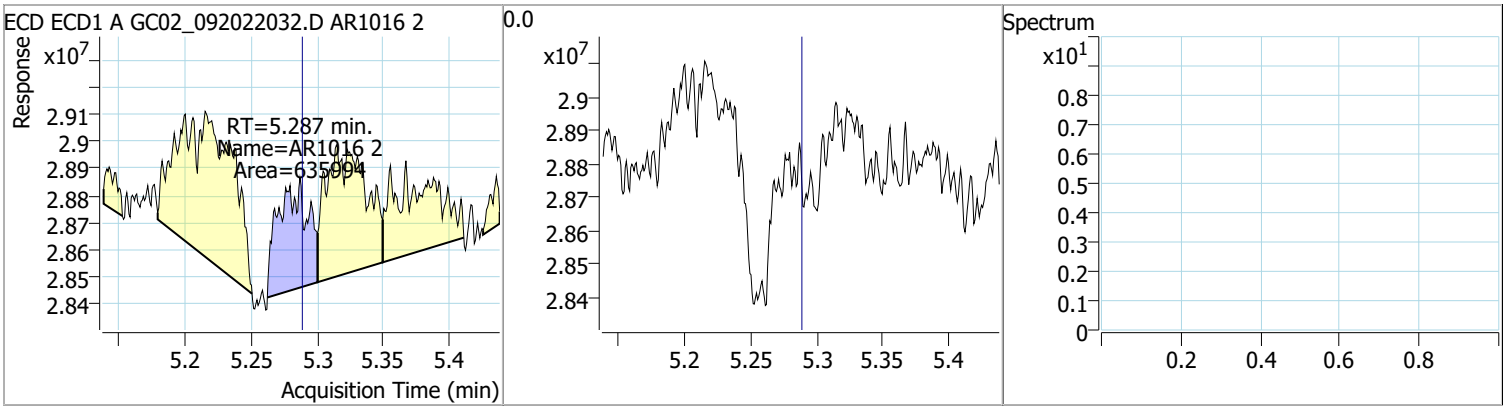
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.4879	4.94	0.00	11546039				



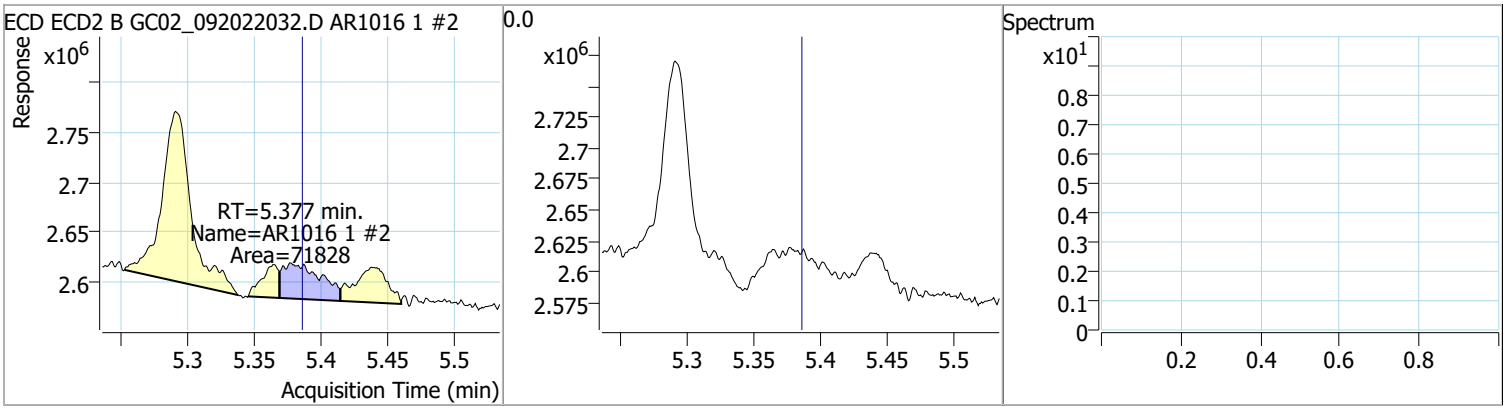
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	30.6837	4.99	0.02	5427981				



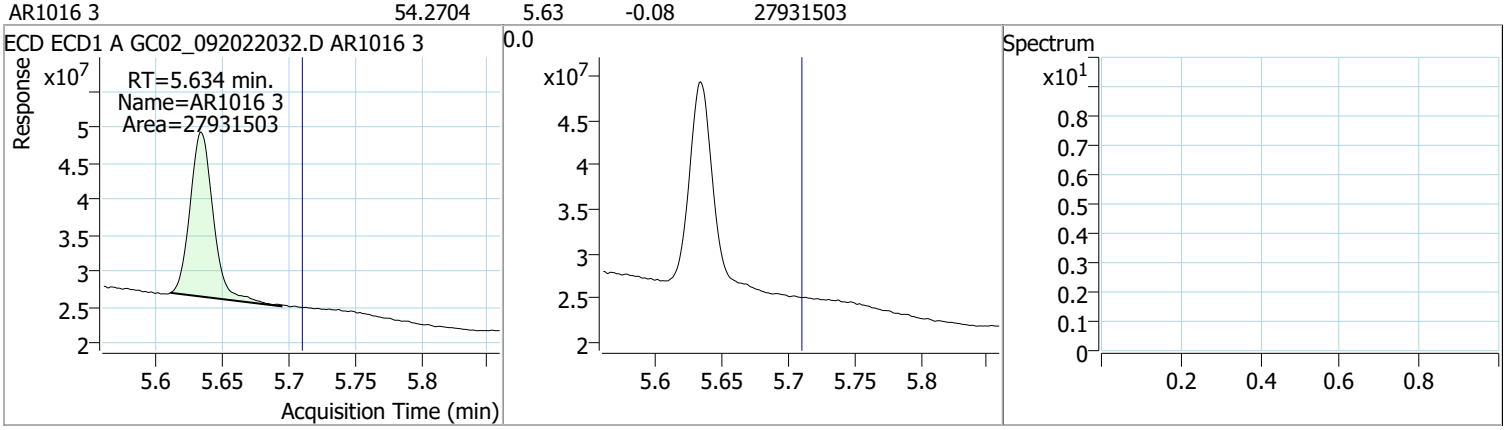
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.8623	5.29	0.00	635994				



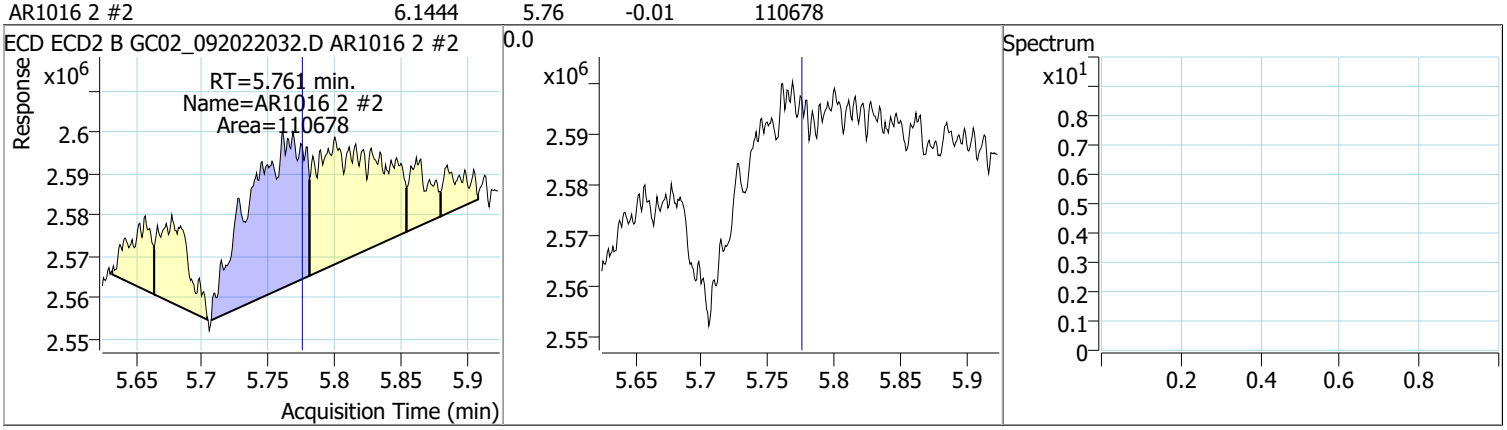
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AR1016 1 #2	8.0512	5.38	-0.01	71828				



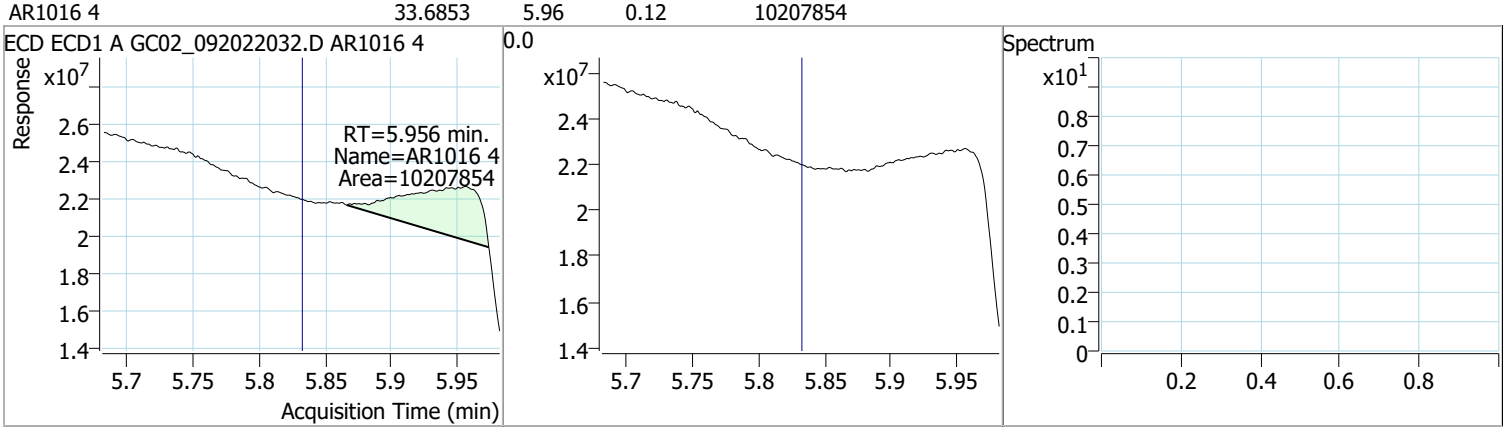
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	54.2704	5.63	-0.08	27931503				



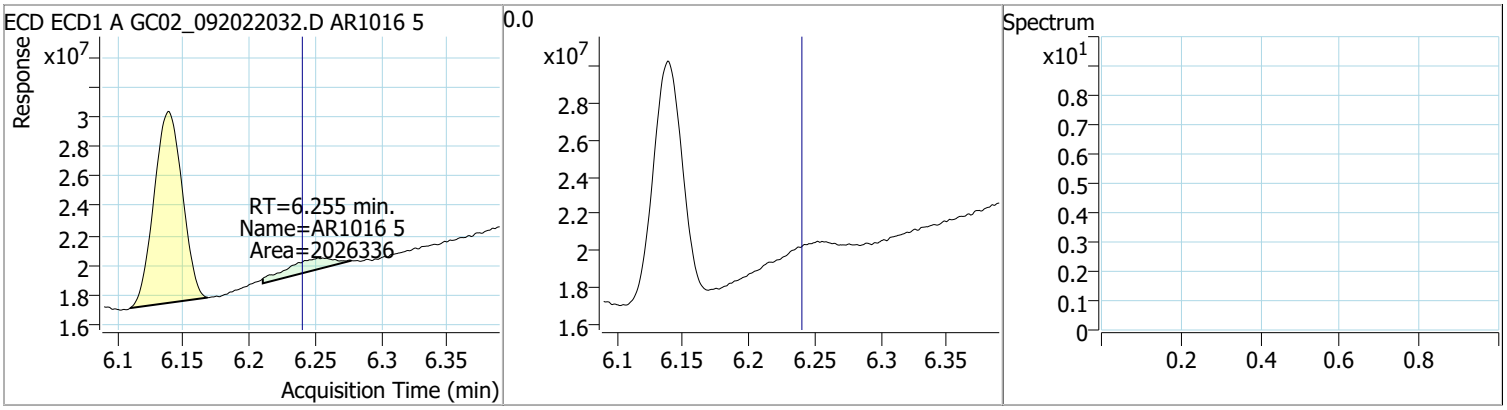
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	6.1444	5.76	-0.01	110678				



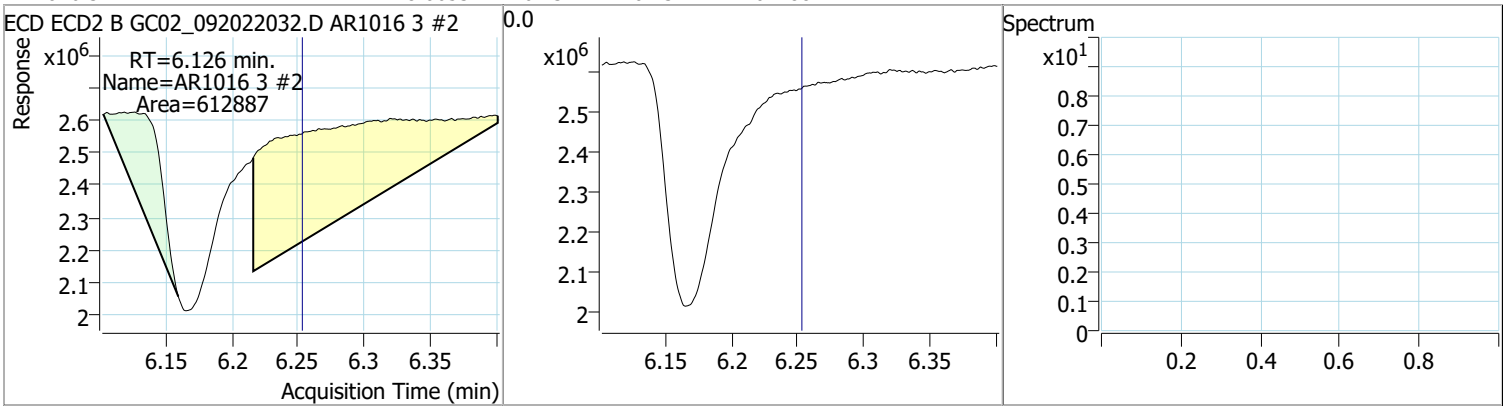
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	33.6853	5.96	0.12	10207854				



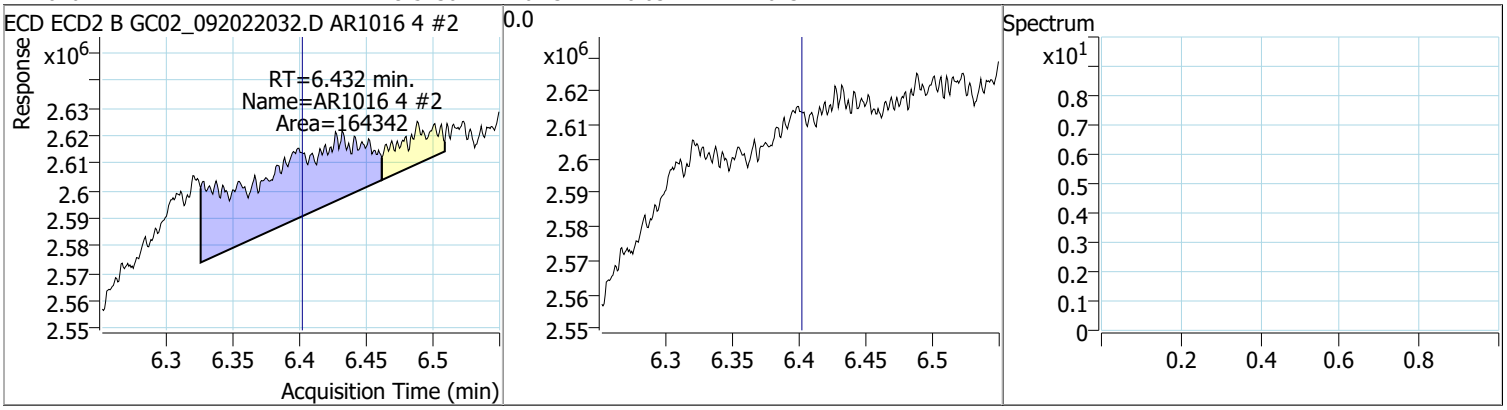
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	7.2602	6.26	0.01	2026336				



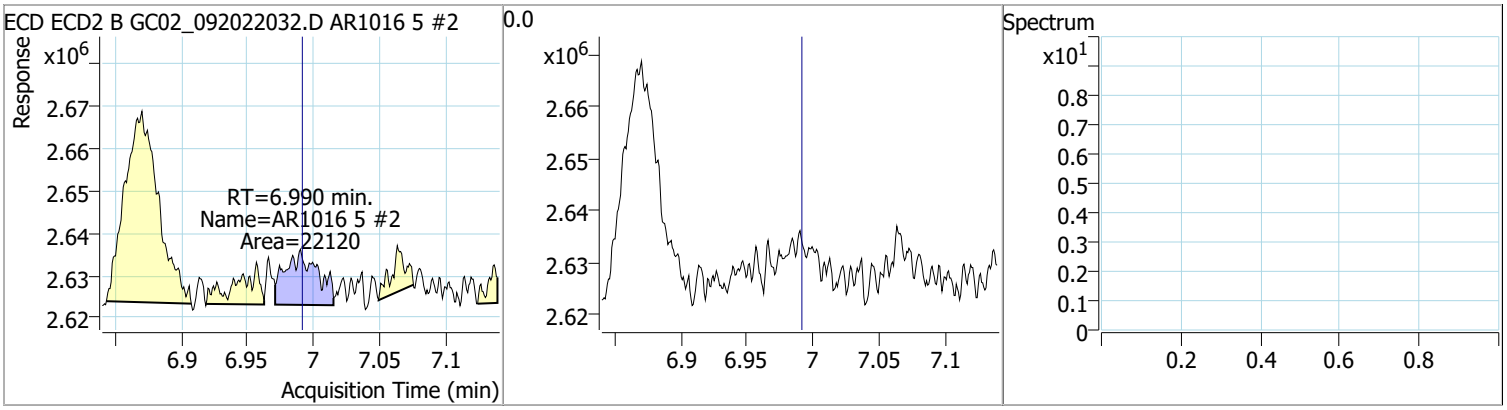
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	28.0653	6.13	-0.13	612887				



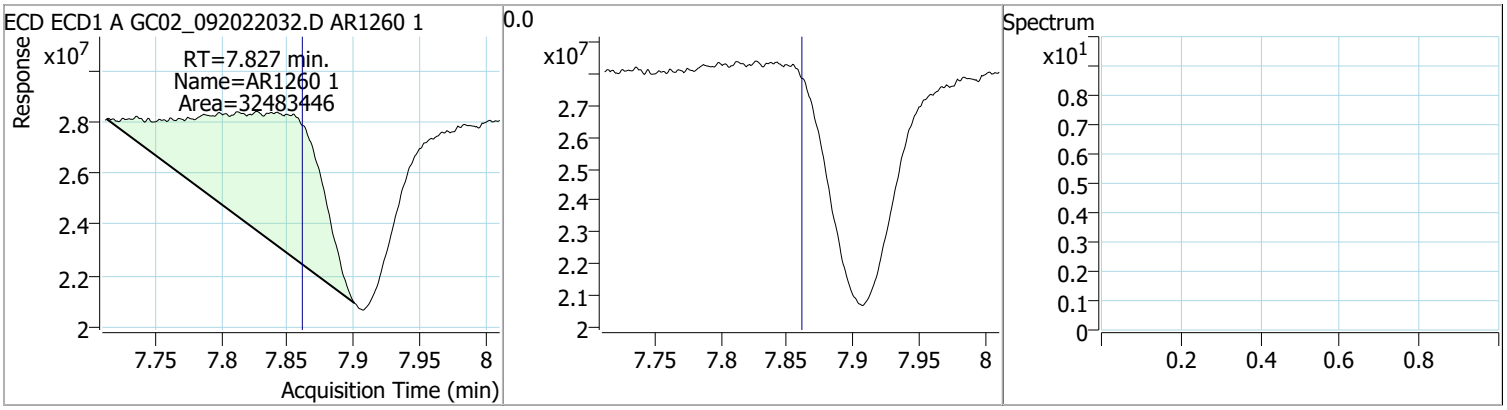
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	9.5430	6.43	0.03	164342				



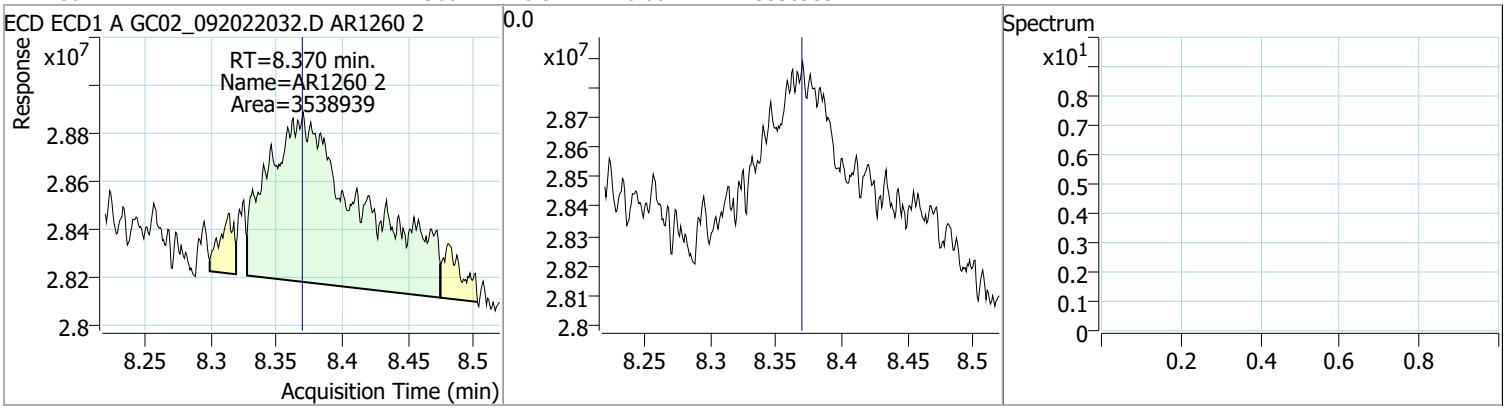
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.5936	6.99	0.00	22120				



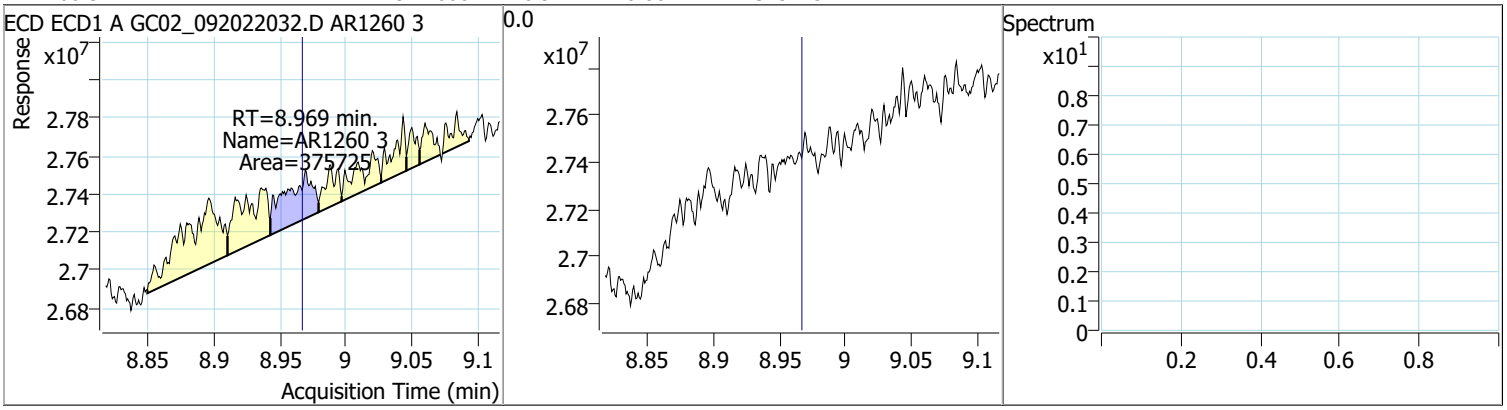
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	60.2755	7.83	-0.04	32483446				



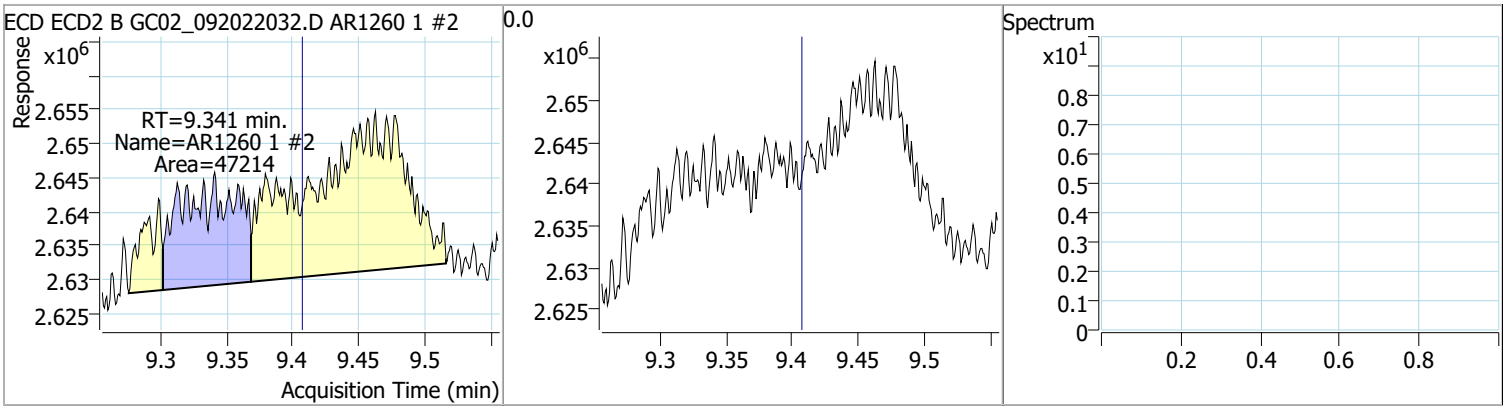
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	4.2960	8.37	0.00	3538939				



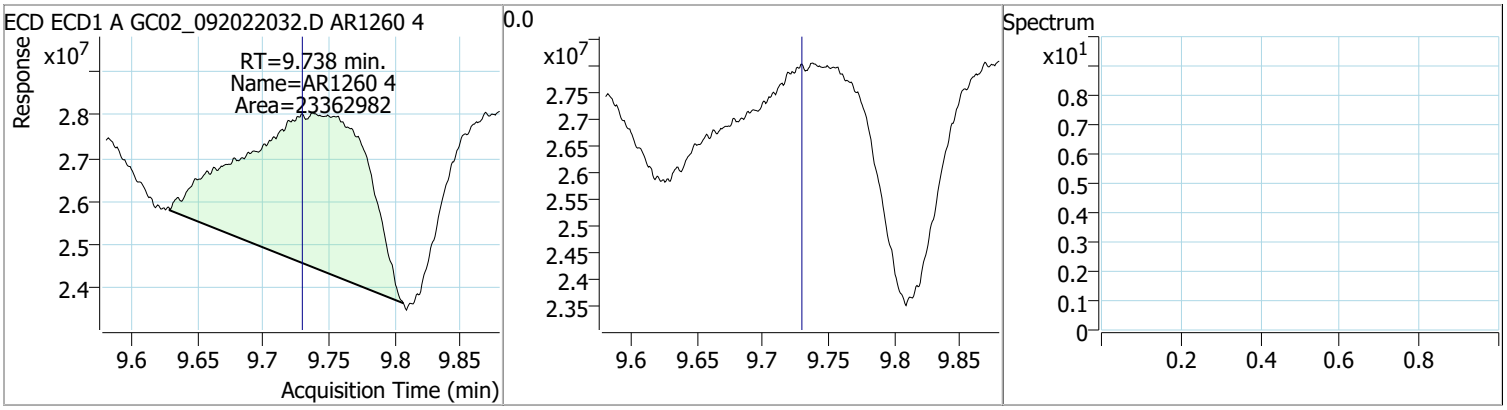
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	37.1608	8.97	0.00	375725				



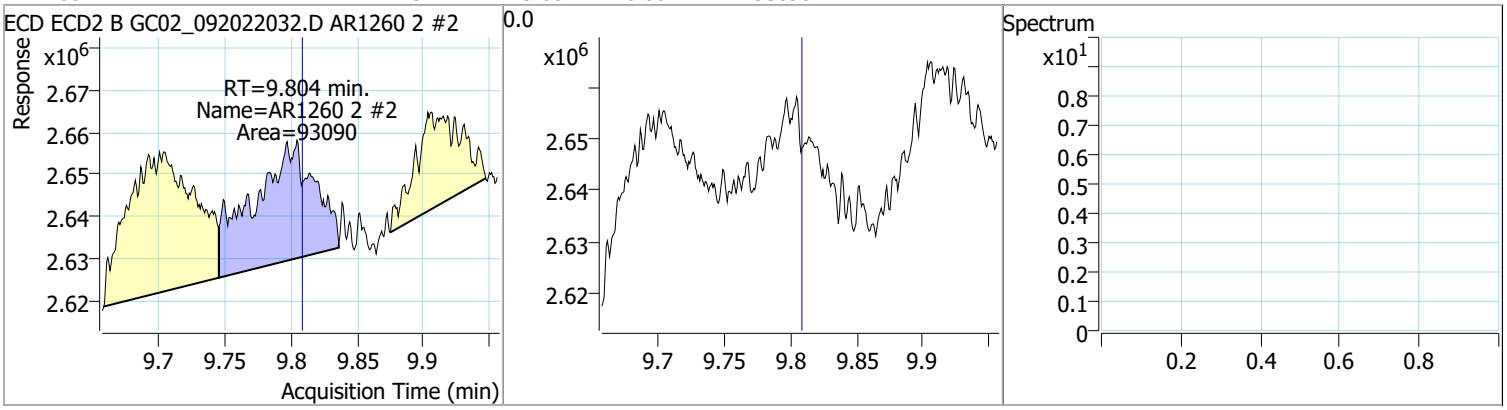
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.6696	9.34	-0.06	47214				



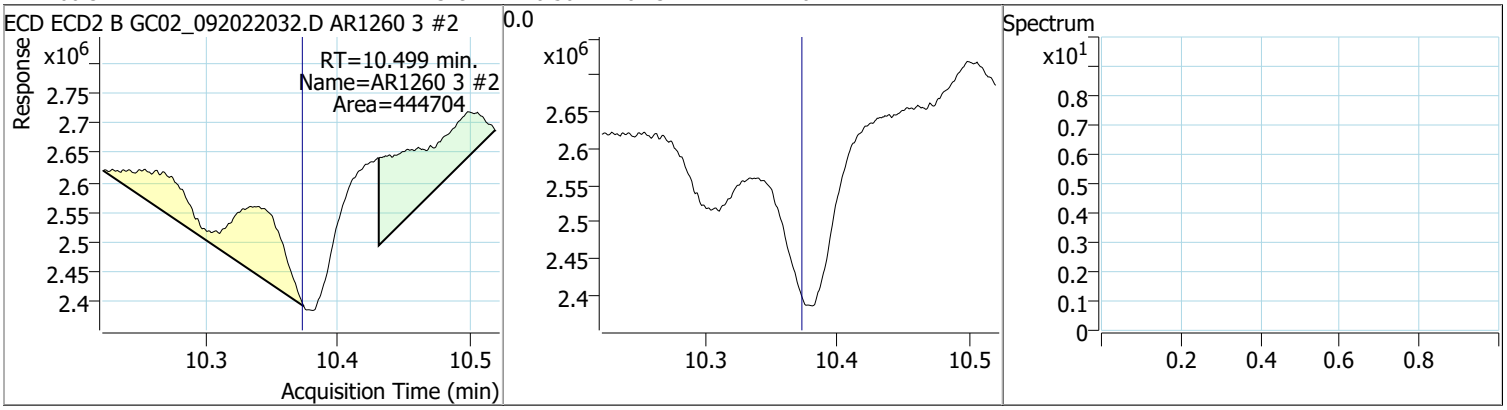
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.1451	9.74	0.01	23362982				



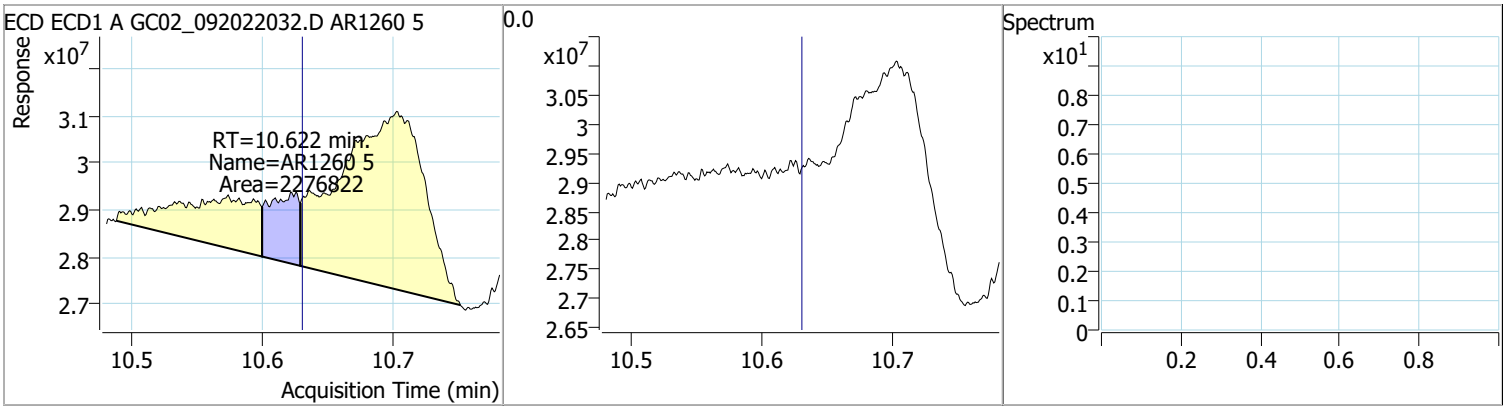
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.9217	9.80	0.00	93090				



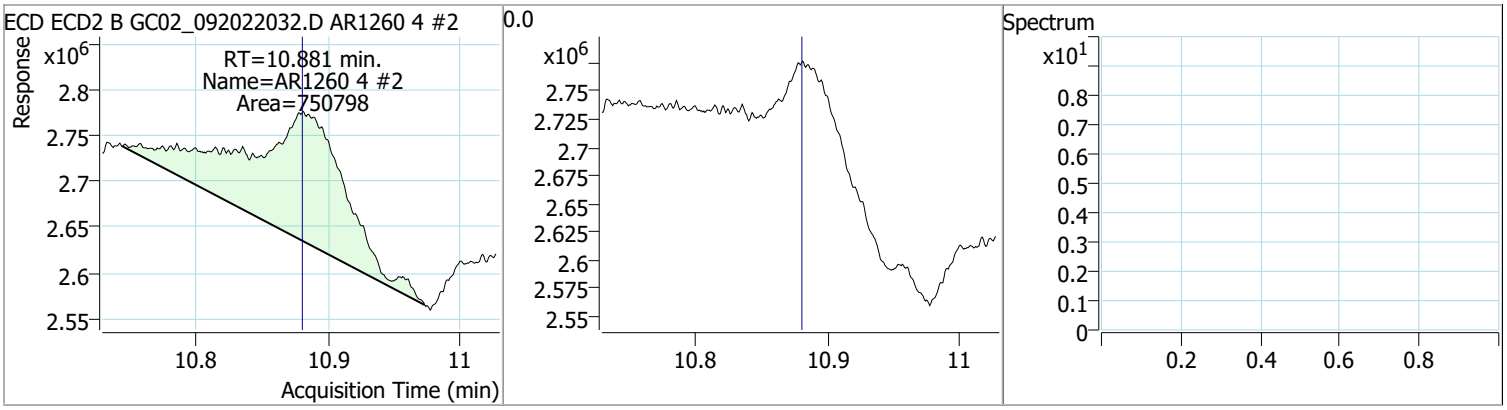
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.7349	10.50	0.13	444704				



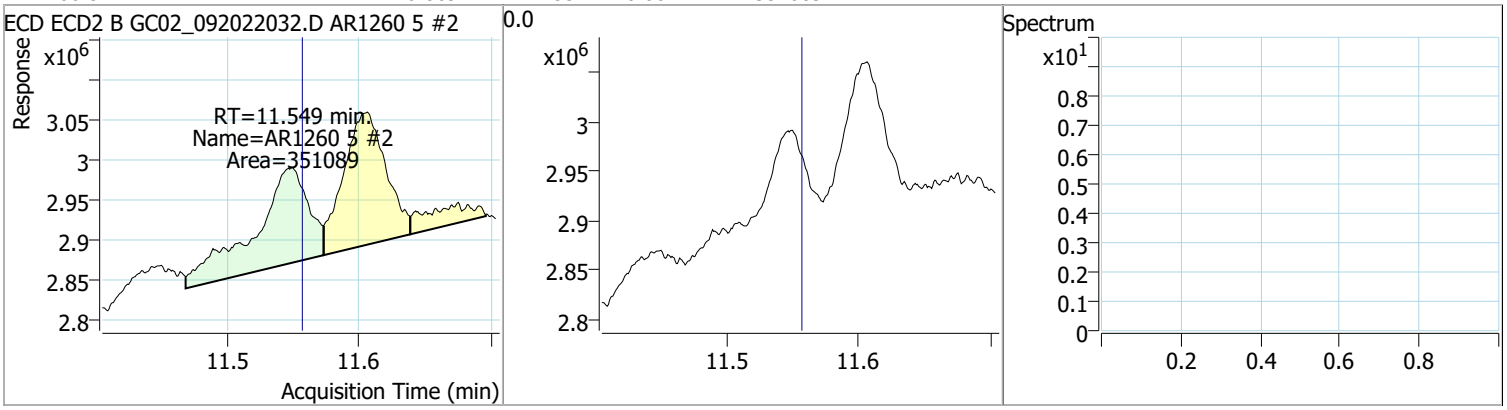
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	3.1409	10.62	-0.01	2276822				



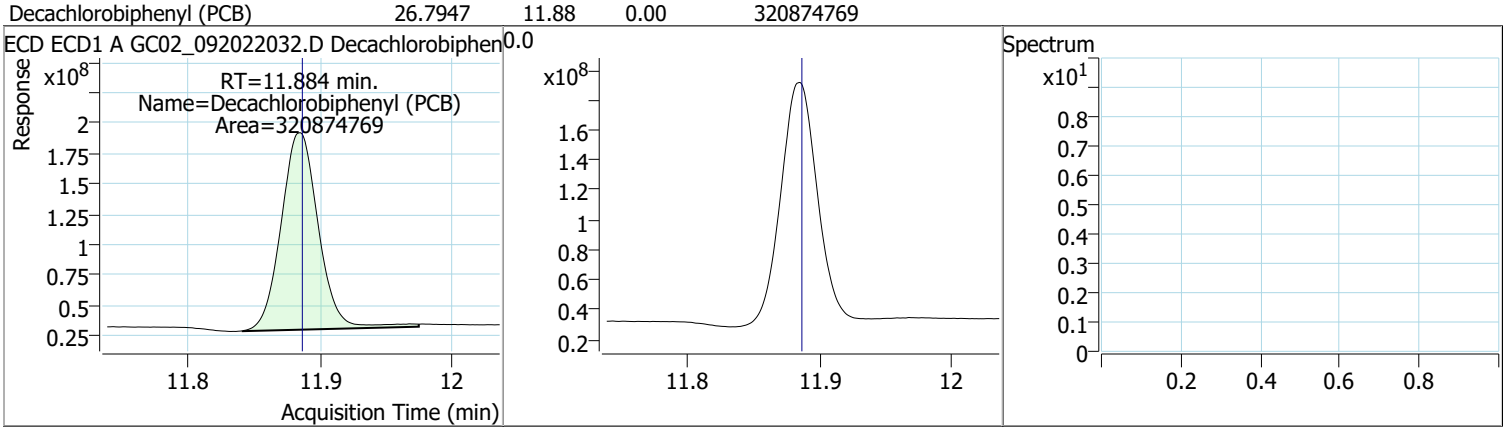
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	34.3968	10.88	0.00	750798				



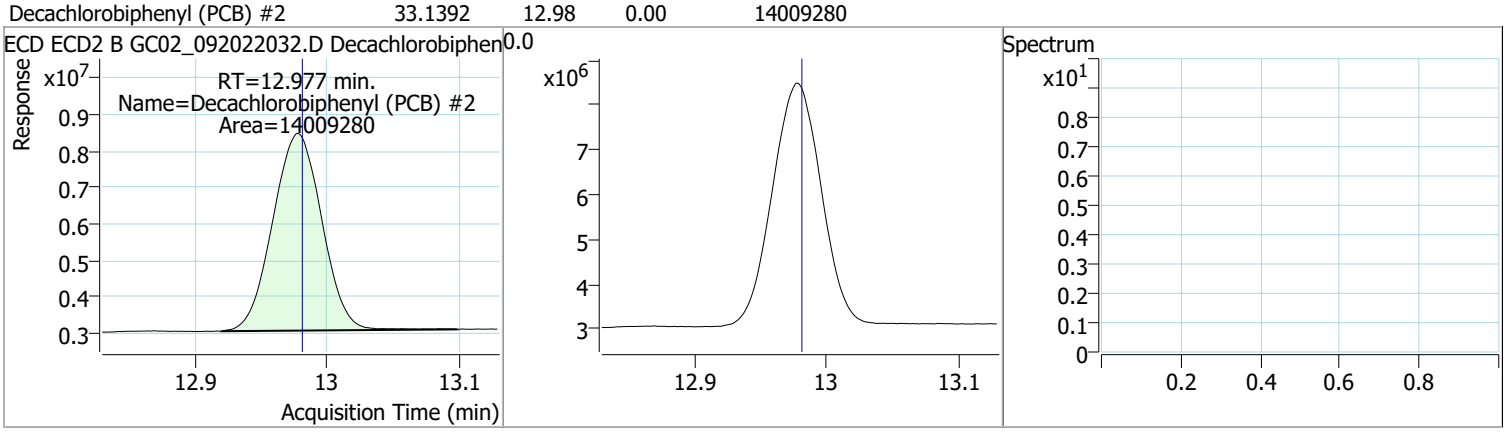
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	10.8697	11.55	0.00	351089				



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)

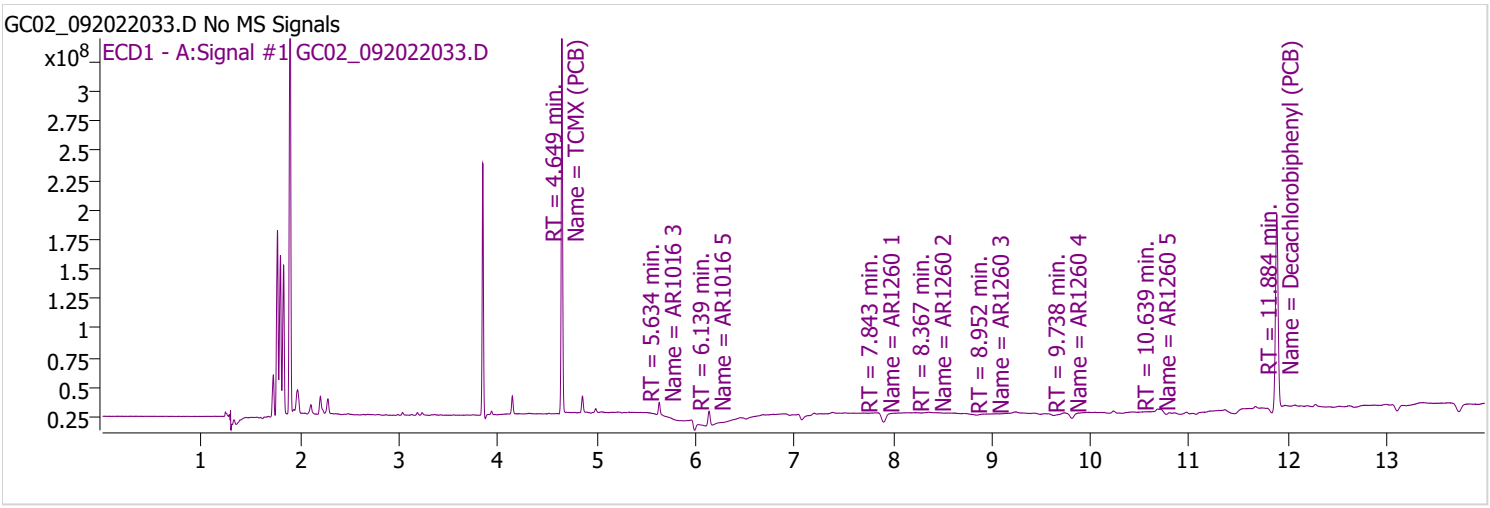
ISTD (CCV gc02_092022-008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

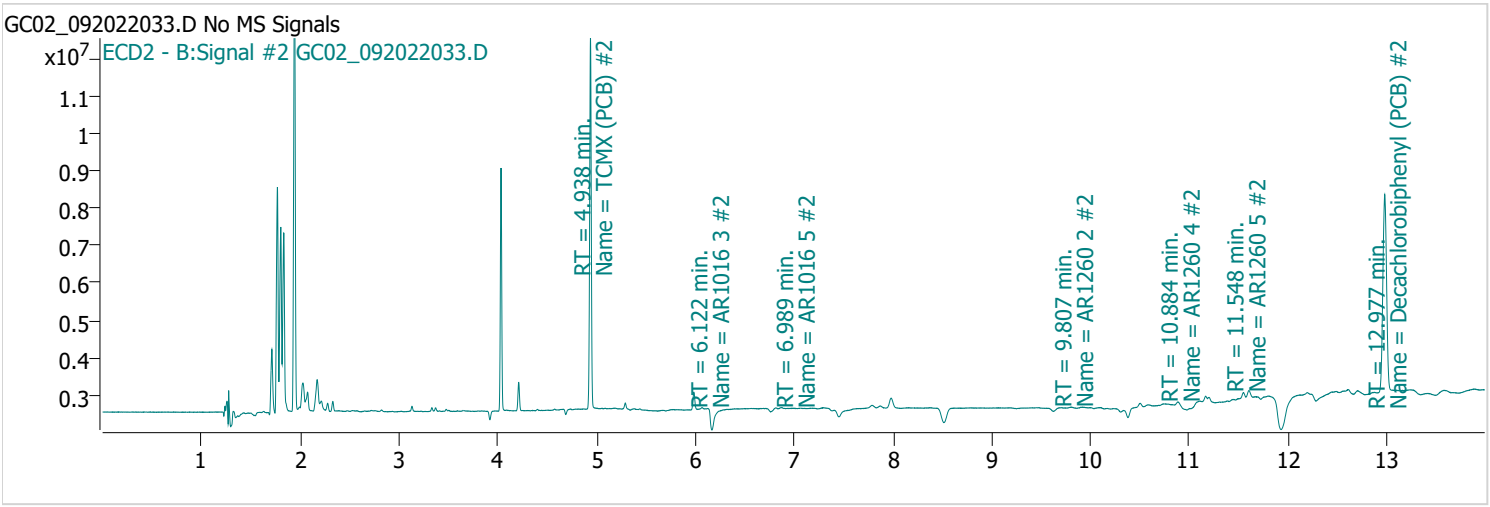
Analyst: TJW 09/21/22 *

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			



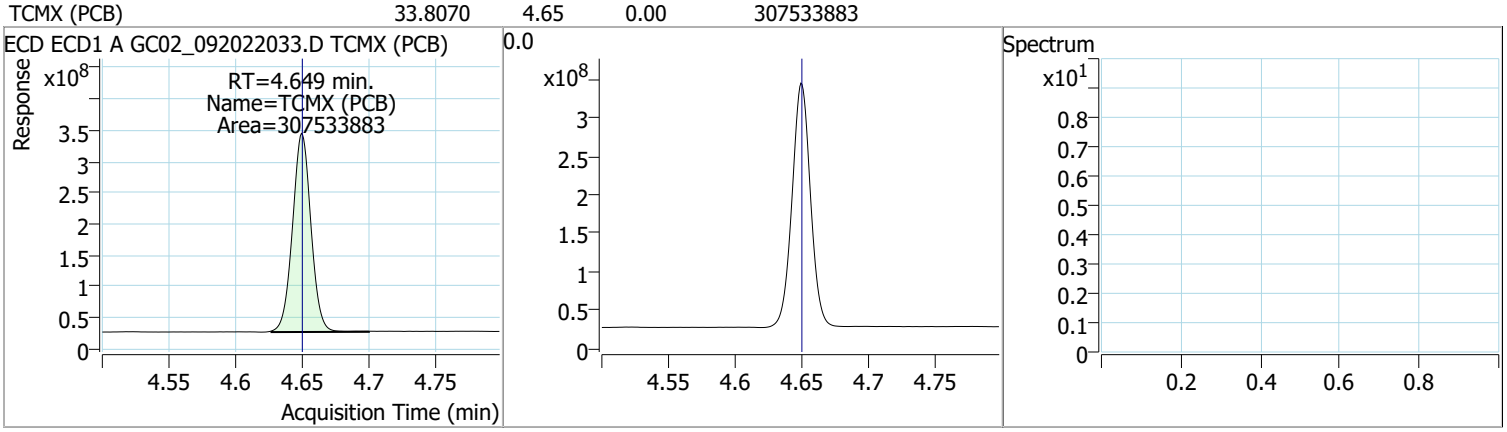


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.849	0.0	192311101.829	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.033	0.0	6774593.647	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.649	0.0	307533882.831	33.8070	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

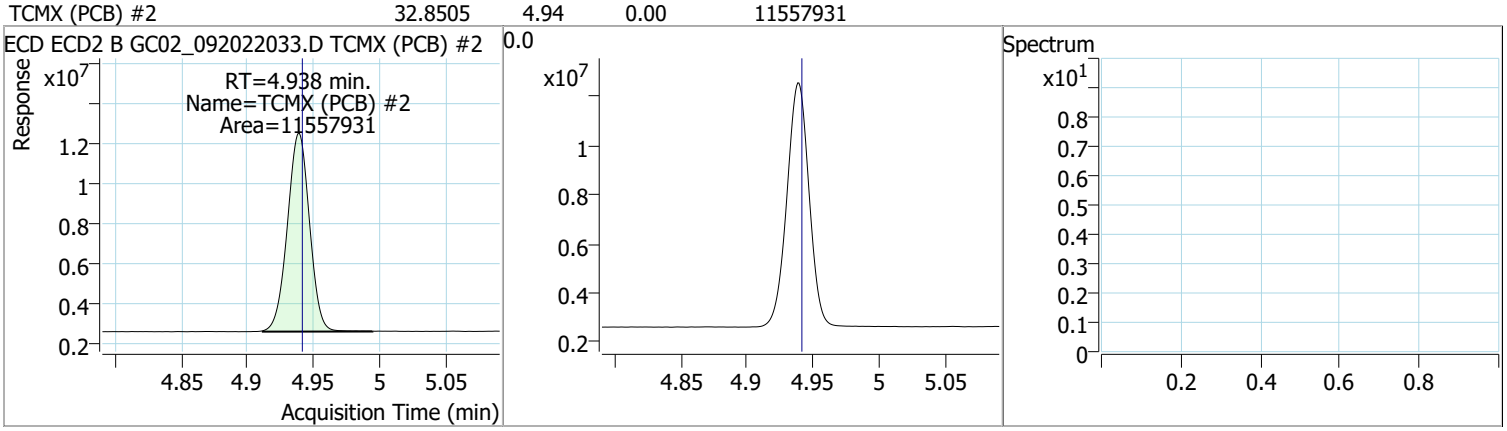
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.992	0.0	5817621.165	34.3959	ng/ml	100
T AR1016 2	5.285	0.0	352605.726	1.0799	ng/ml	100
T AR1016 1 #2	5.382	0.0	123615.796	14.4409	ng/ml	100
T AR1016 3	5.634	0.0	15107207.595	30.7005	ng/ml	100
T AR1016 2 #2	5.775	0.0	115173.559	6.6639	ng/ml	100
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

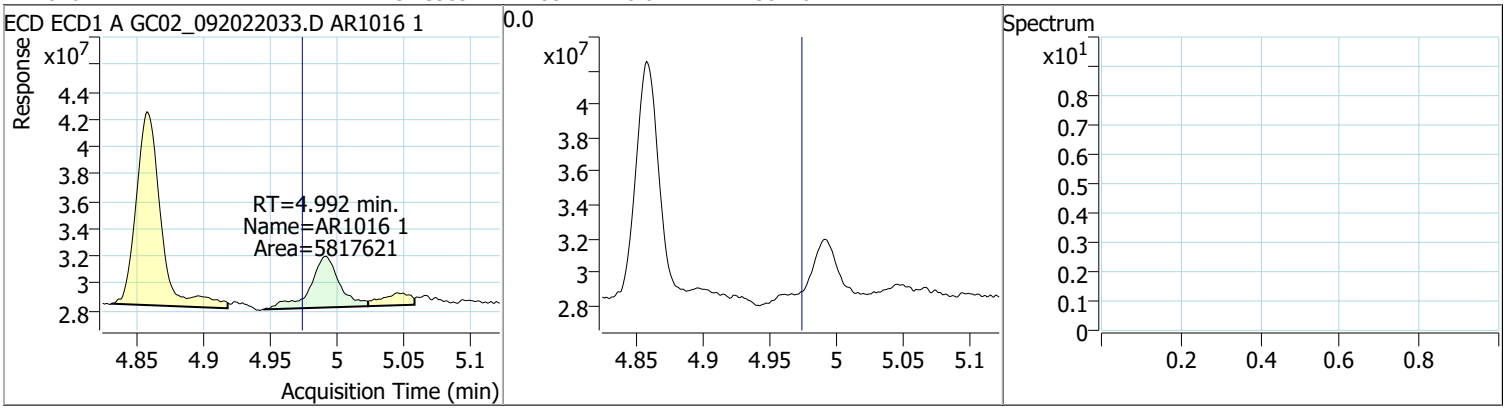
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.8070	4.65	0.00	307533883				



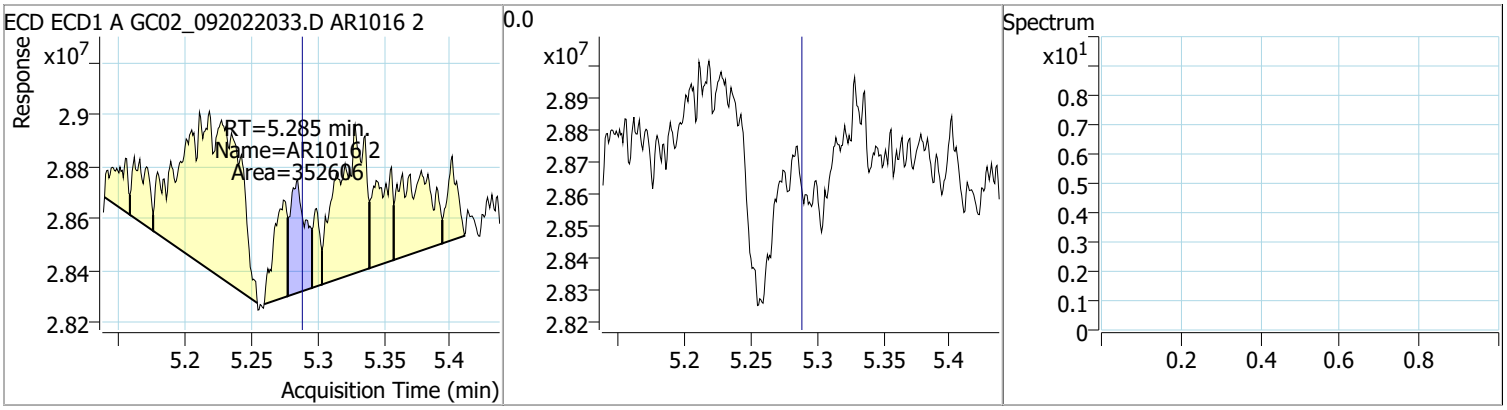
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.8505	4.94	0.00	11557931				



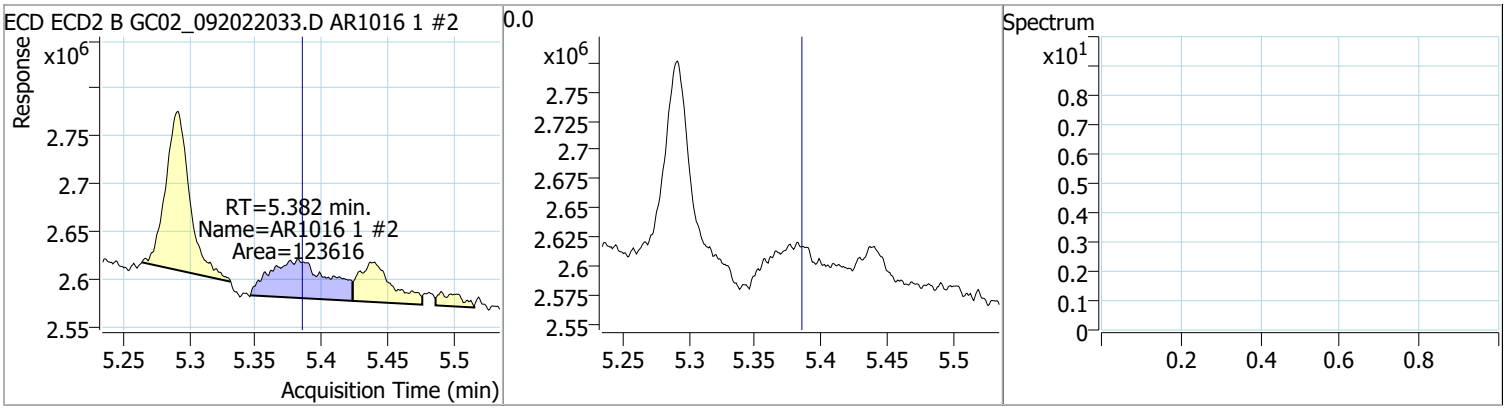
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	34.3959	4.99	0.02	5817621				



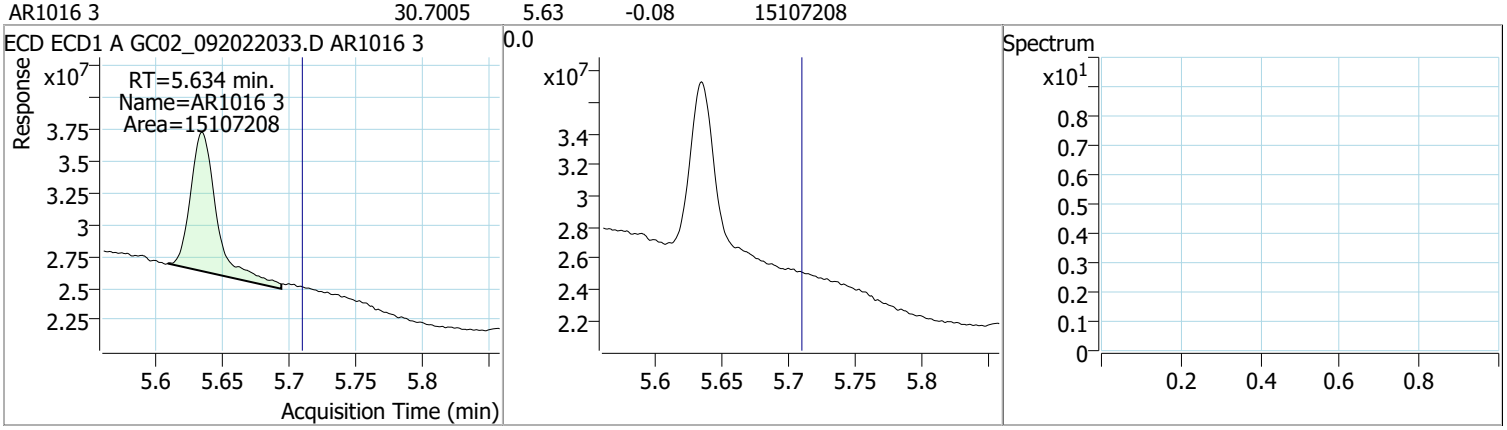
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.0799	5.28	0.00	352606				



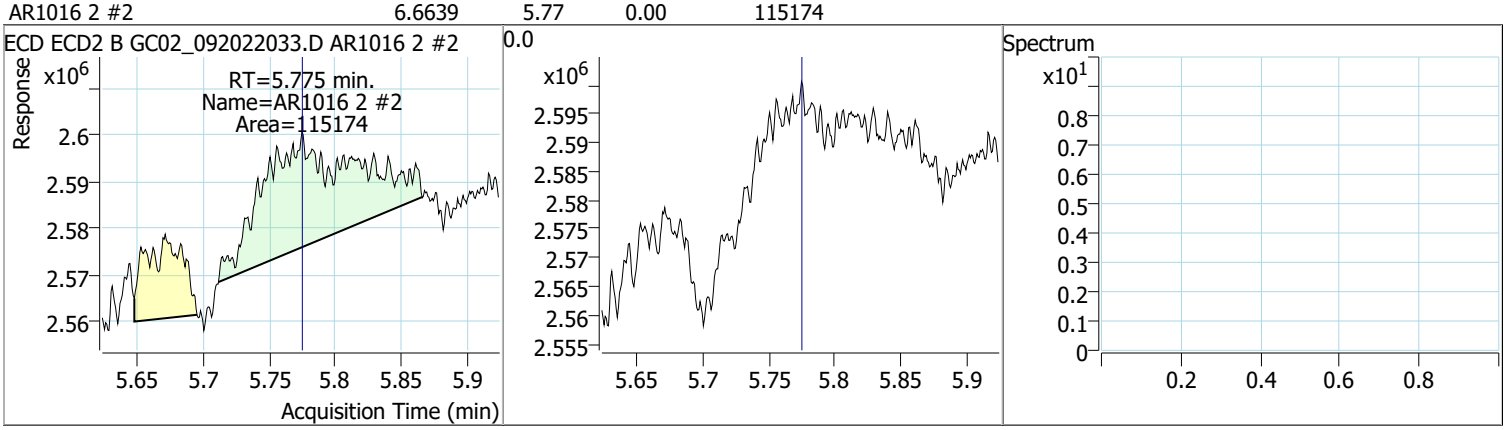
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	14.4409	5.38	0.00	123616				



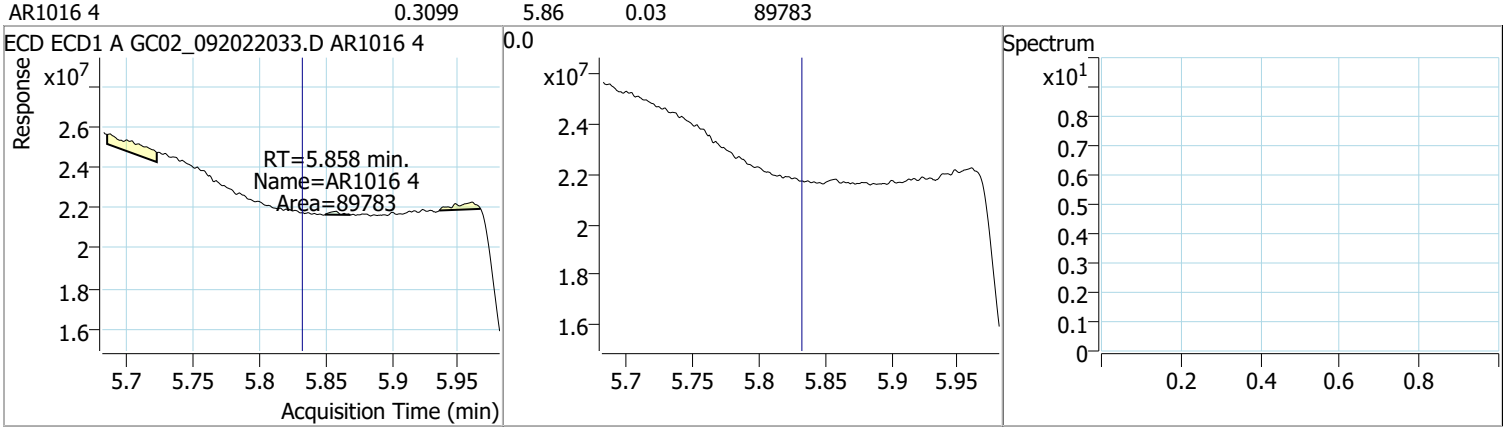
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	30.7005	5.63	-0.08	15107208				



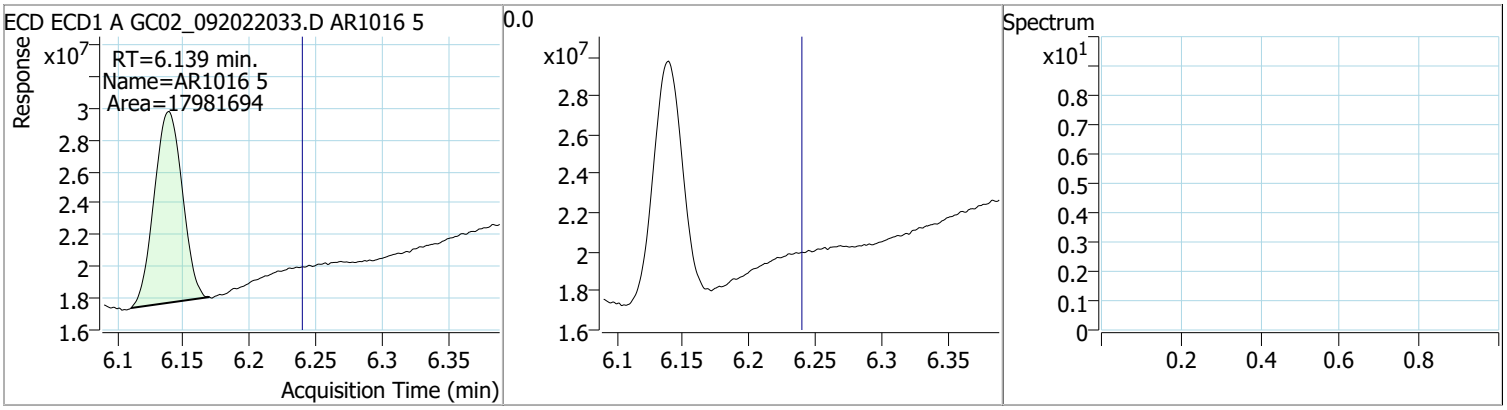
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	6.6639	5.77	0.00	115174				



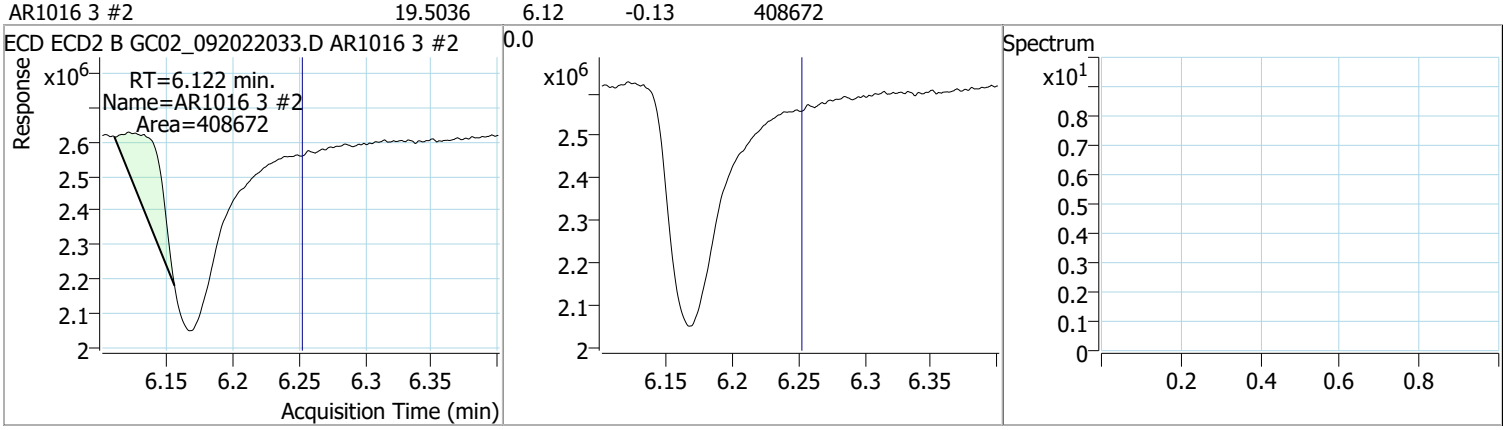
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.3099	5.86	0.03	89783				



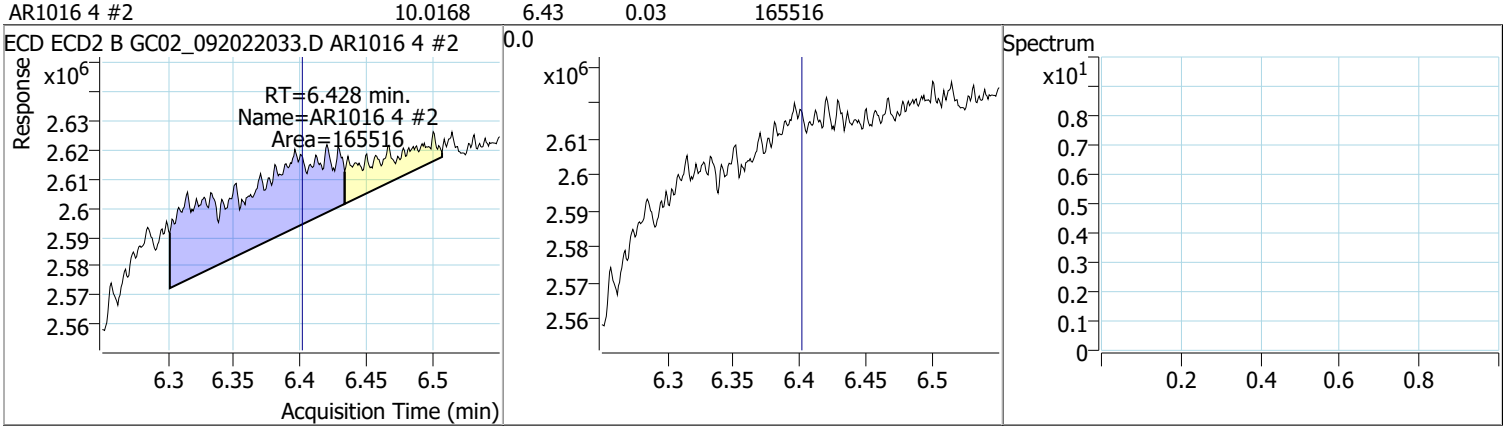
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	67.3849	6.14	-0.10	17981694				



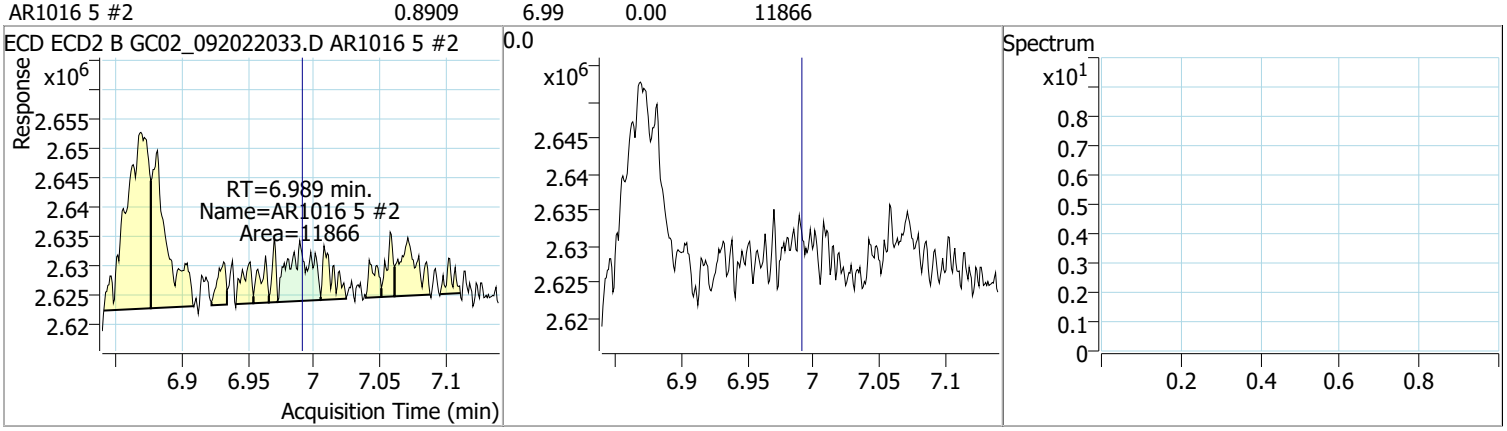
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	19.5036	6.12	-0.13	408672				



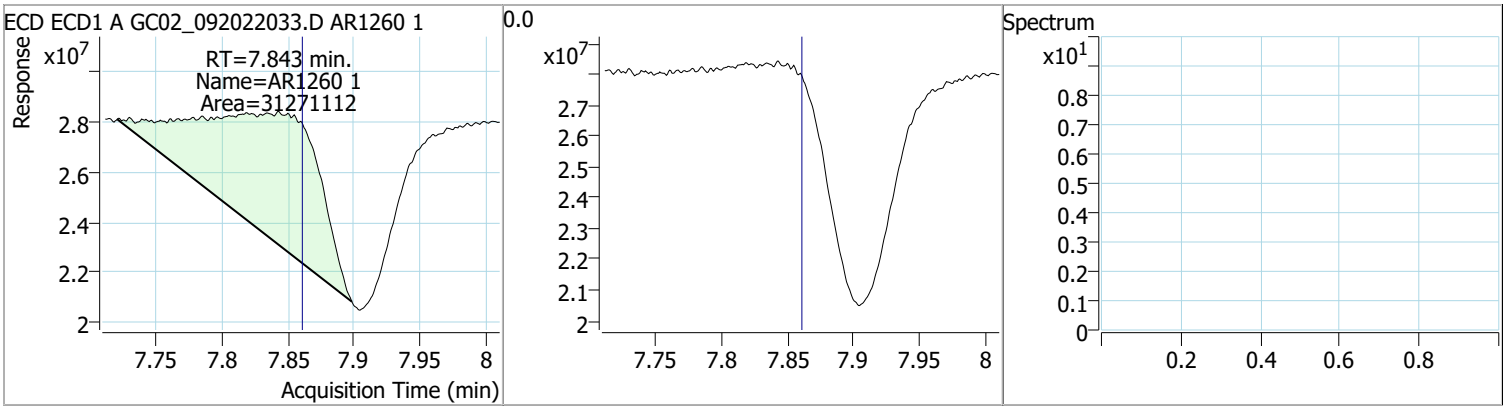
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	10.0168	6.43	0.03	165516				



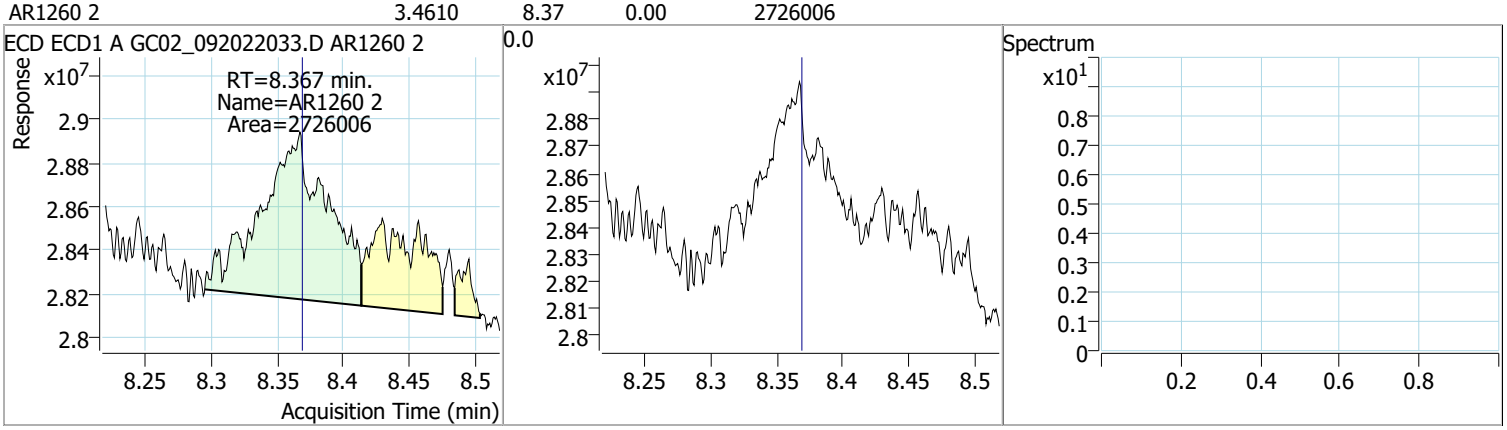
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AR1016 5 #2	0.8909	6.99	0.00	11866				



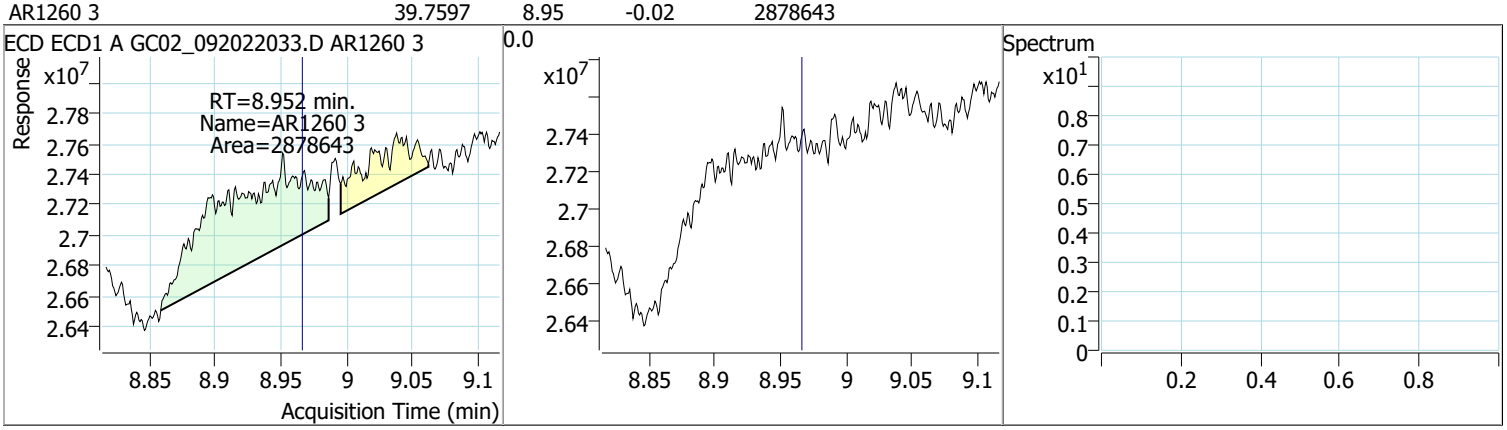
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	60.6896	7.84	-0.02	31271112				



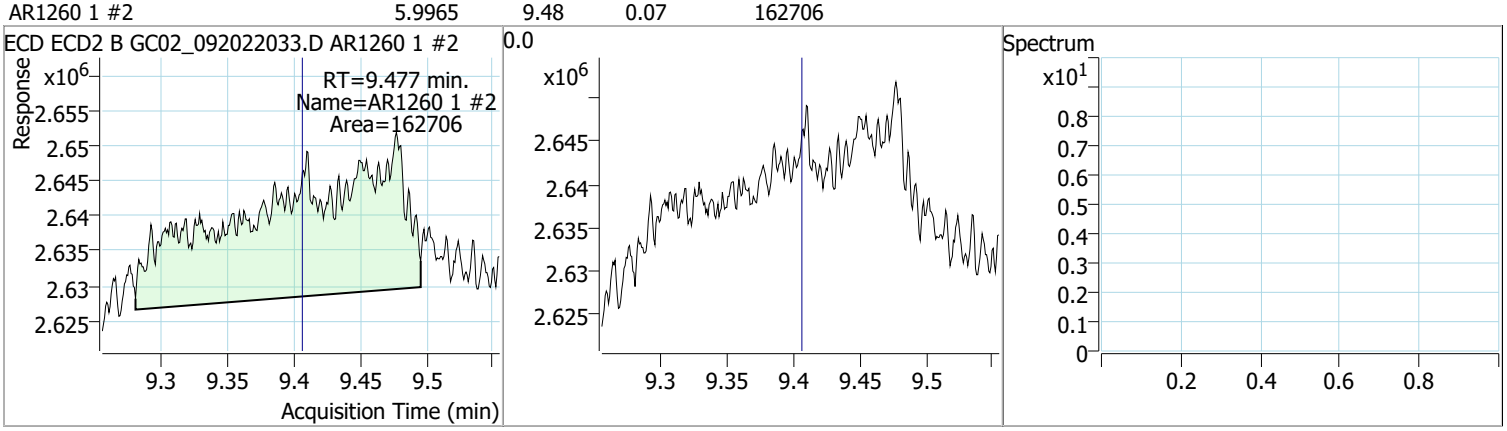
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.4610	8.37	0.00	2726006				



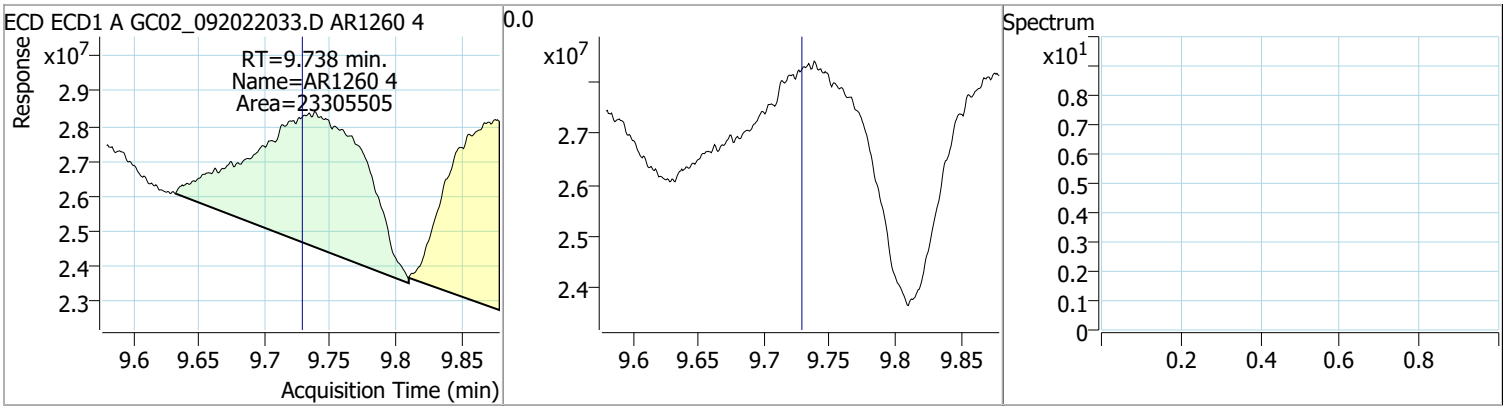
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	39.7597	8.95	-0.02	2878643				



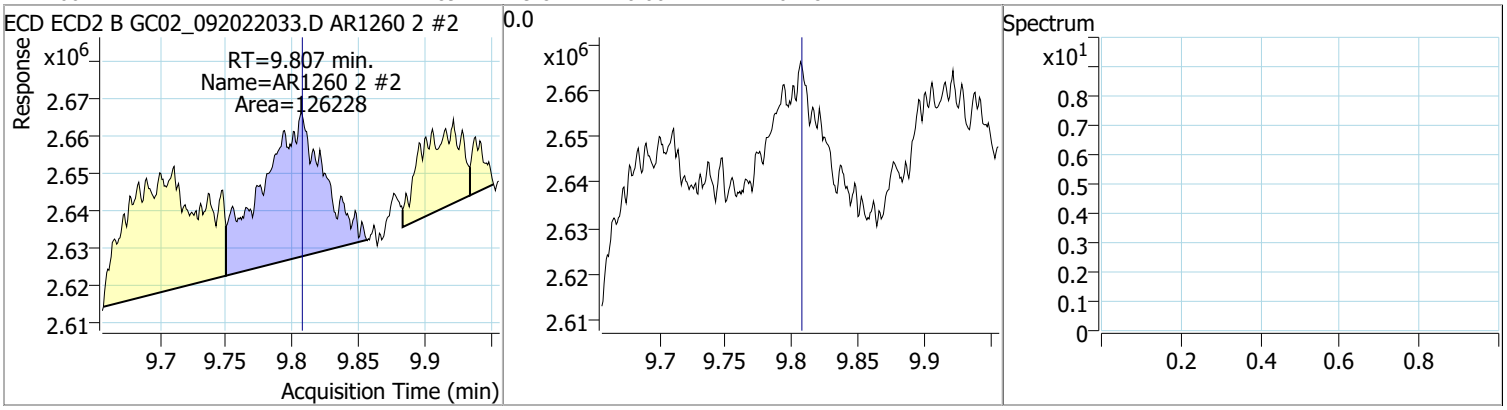
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.9965	9.48	0.07	162706				



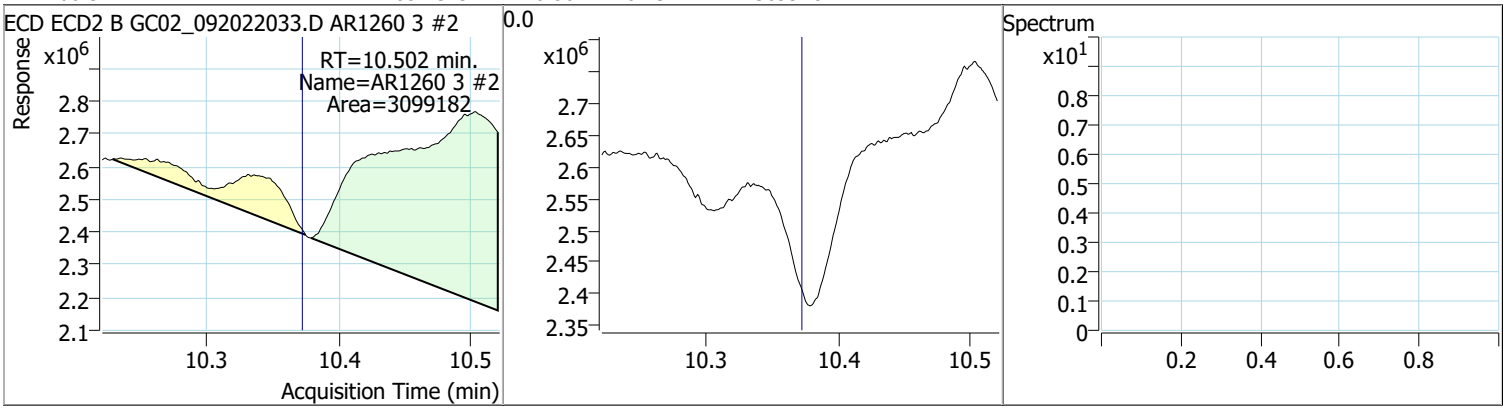
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	43.9713	9.74	0.01	23305505				



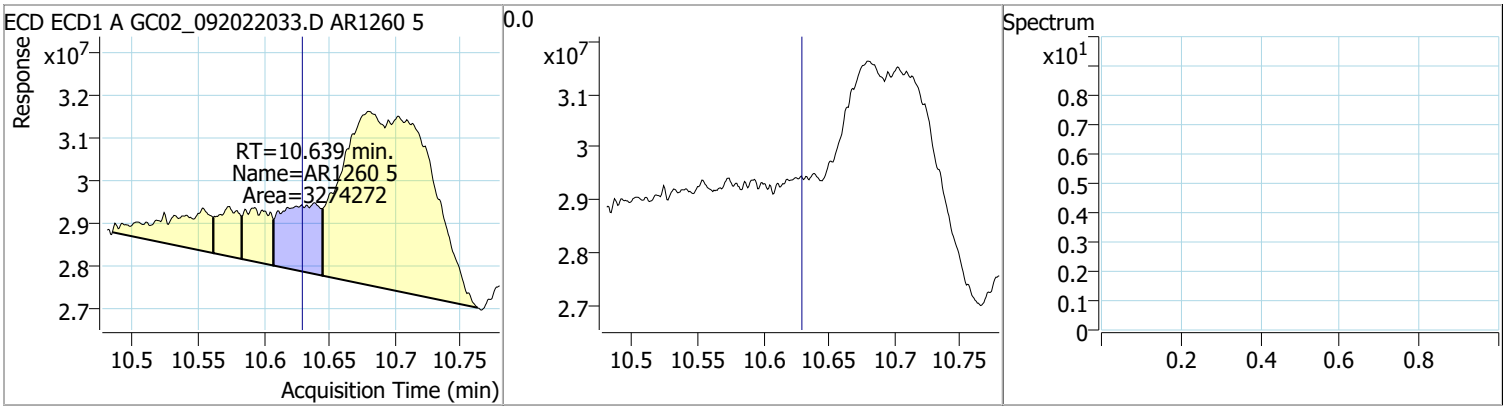
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.1289	9.81	0.00	126228				



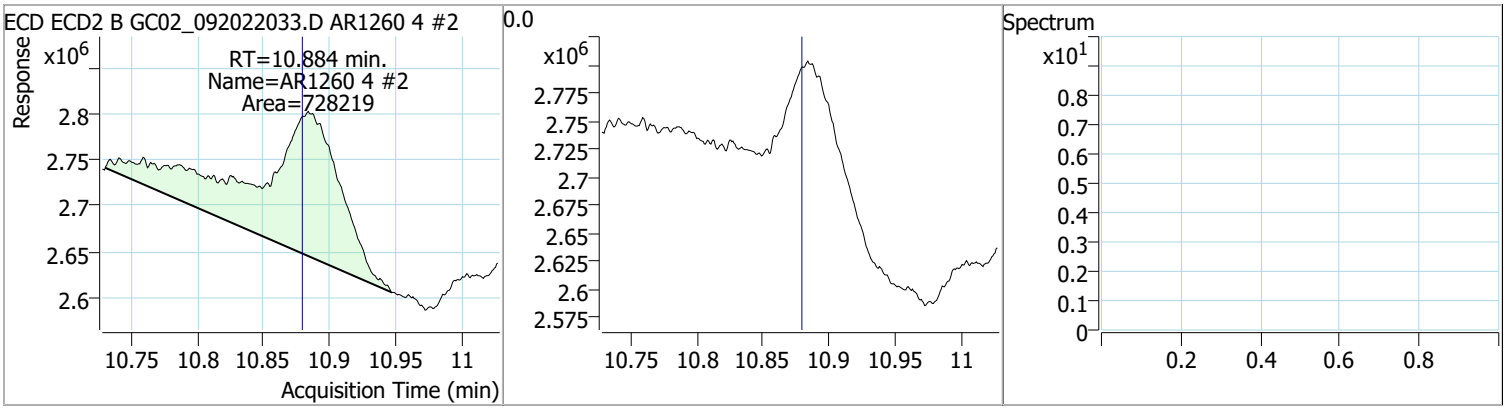
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	85.2329	10.50	0.13	3099182				



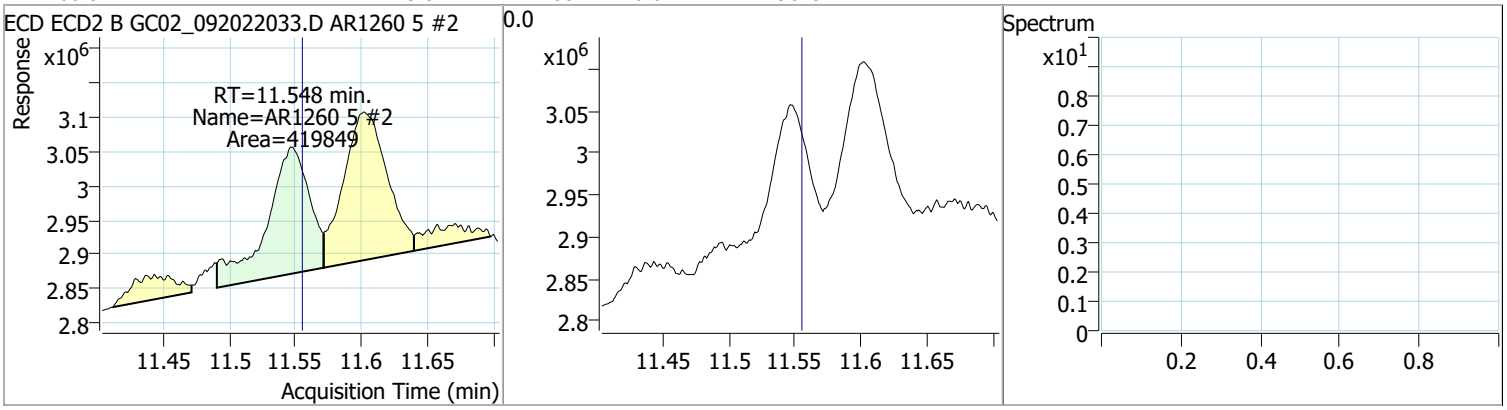
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	4.7243	10.64	0.01	3274272				



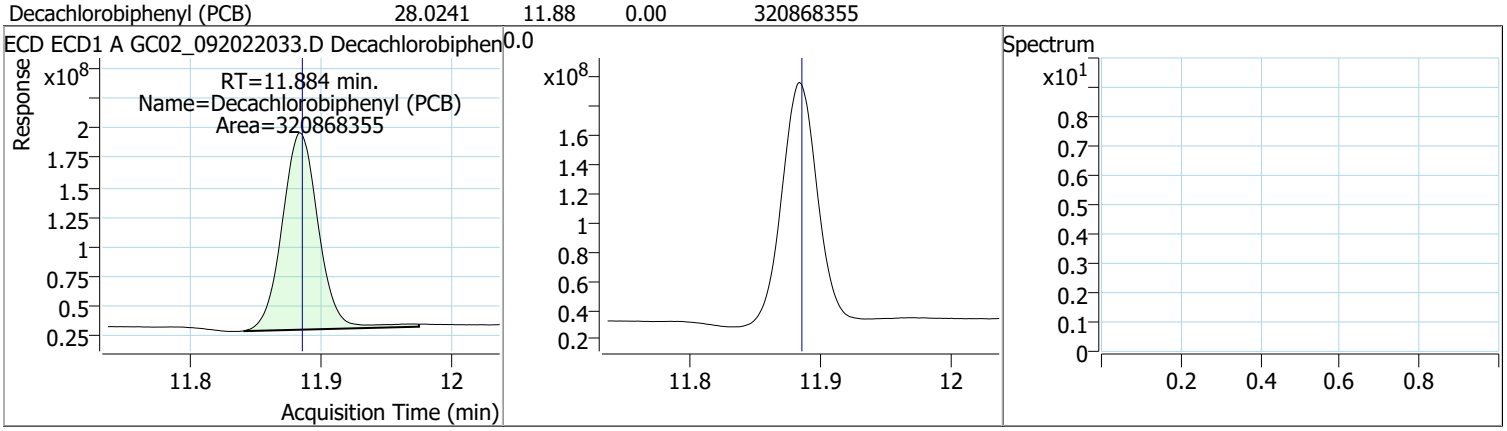
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	34.7702	10.88	0.01	728219				



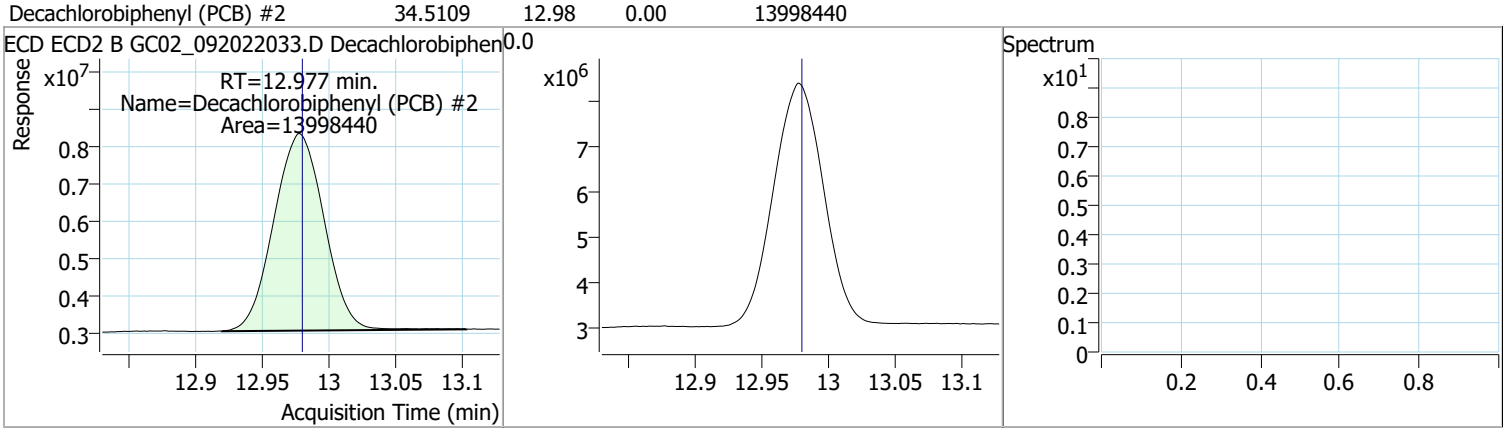
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	13.5471	11.55	-0.01	419849				



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)

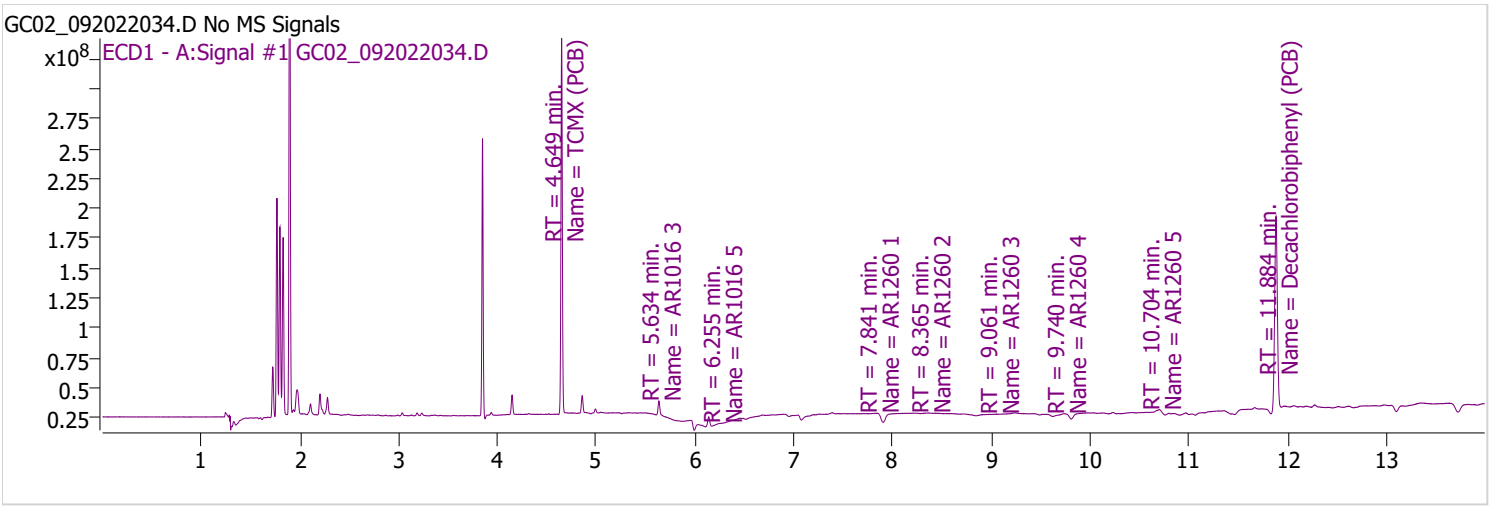
ISTD (CCV gc02_092022-008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

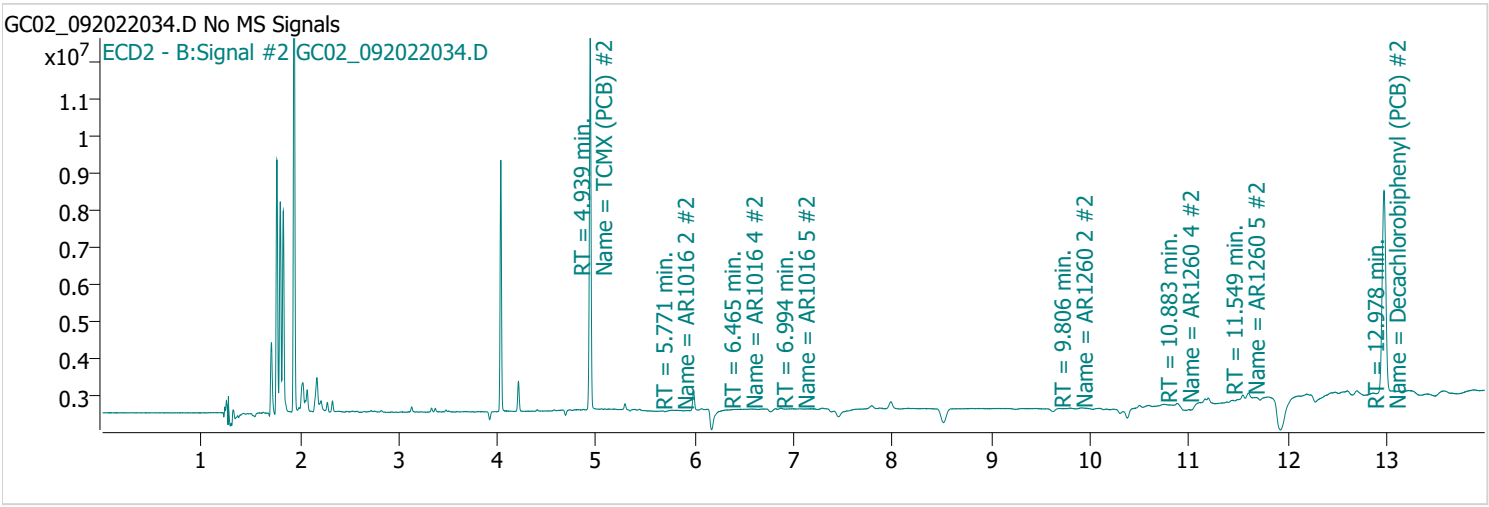
Analyst: TJW 09/21/22 *

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			



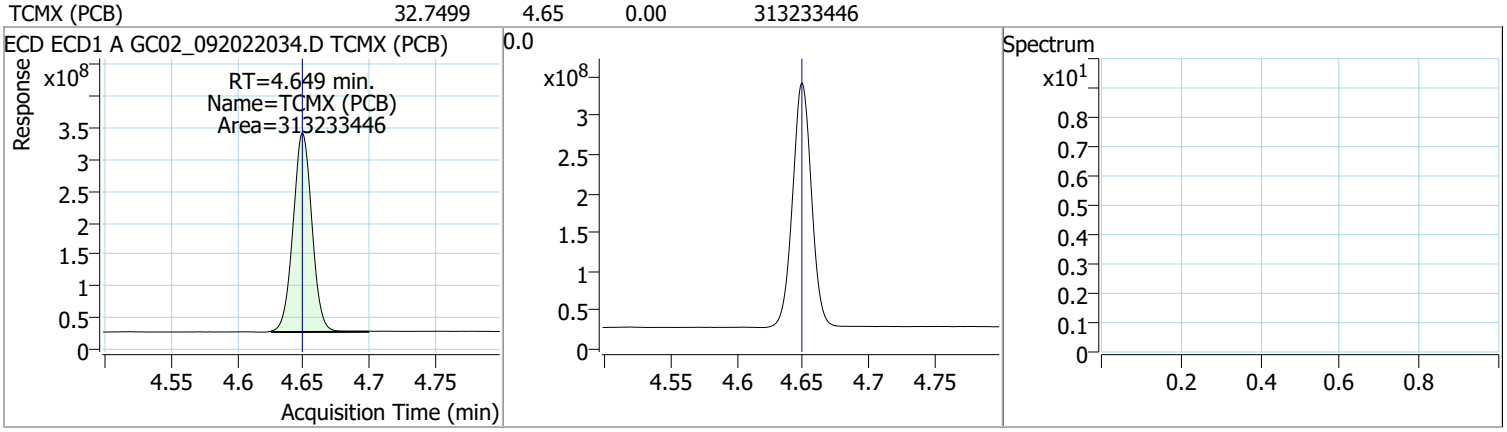


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.848	0.0	202198235.996	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.033	0.0	7013368.395	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.649	0.0	313233446.252	32.7499	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

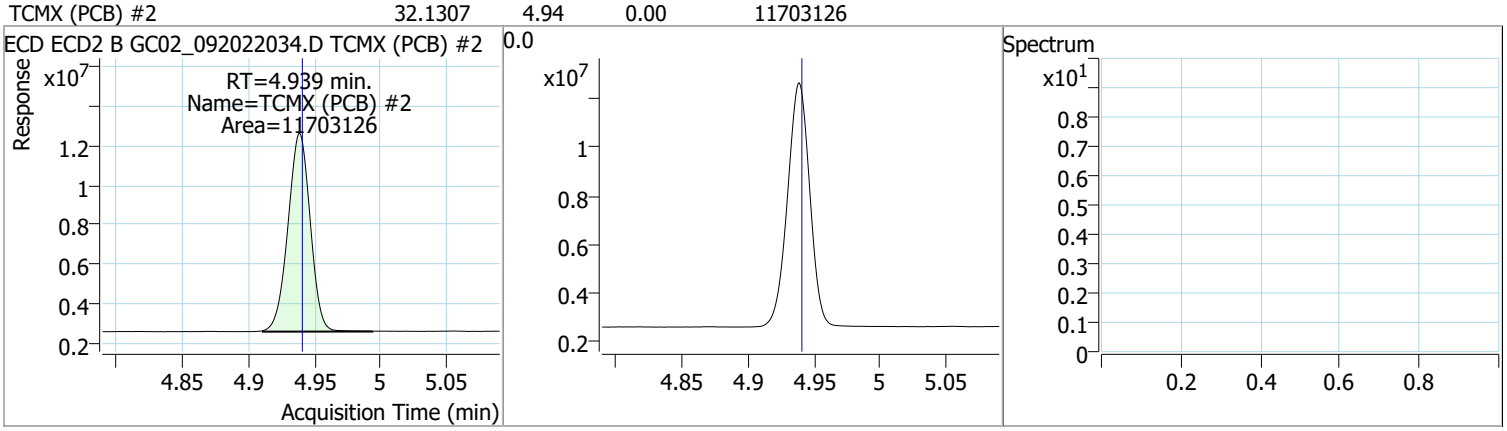
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.991	0.0	6189327.958	34.8042	ng/ml	100
T AR1016 2	5.334	0.0	2473151.304	7.2040	ng/ml	100
T AR1016 1 #2	5.384	0.0	131548.009	14.8443	ng/ml	100
T AR1016 3	5.634	0.0	17817503.784	34.4377	ng/ml	100
T AR1016 2 #2	5.771	0.0	129125.661	7.2167	ng/ml	100
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

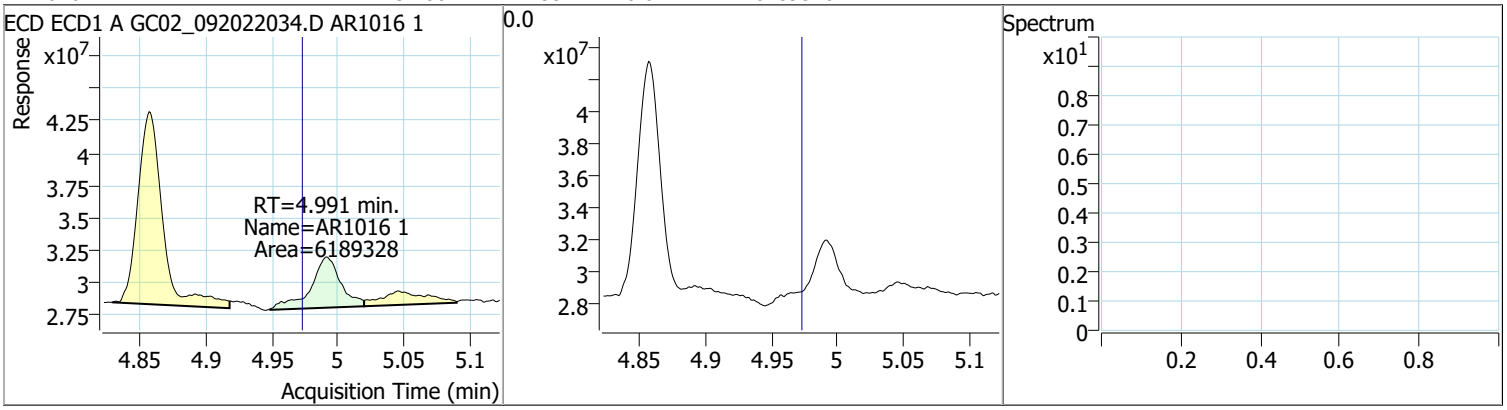
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.7499	4.65	0.00	313233446				



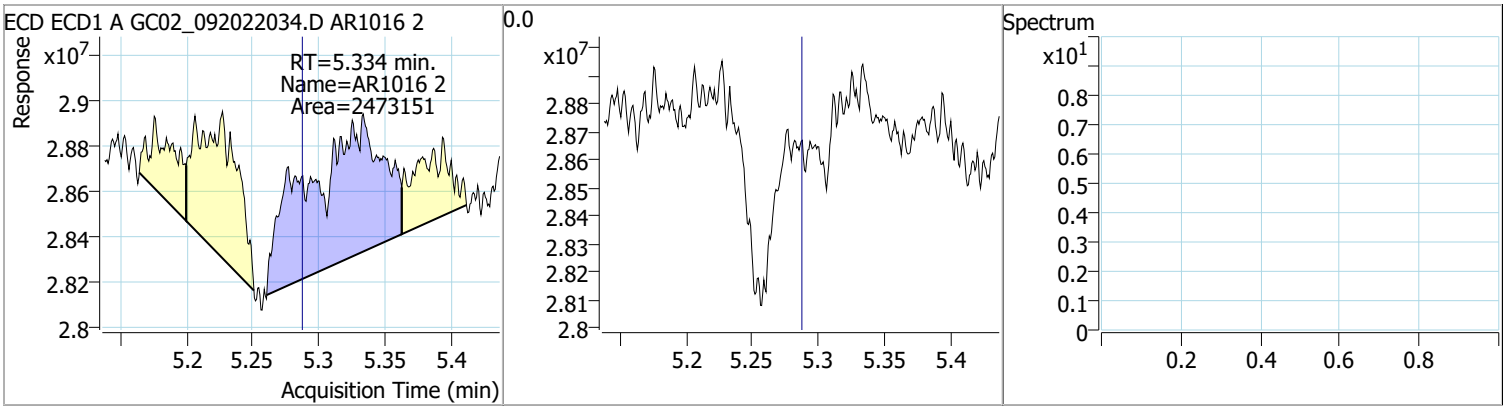
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.1307	4.94	0.00	11703126				



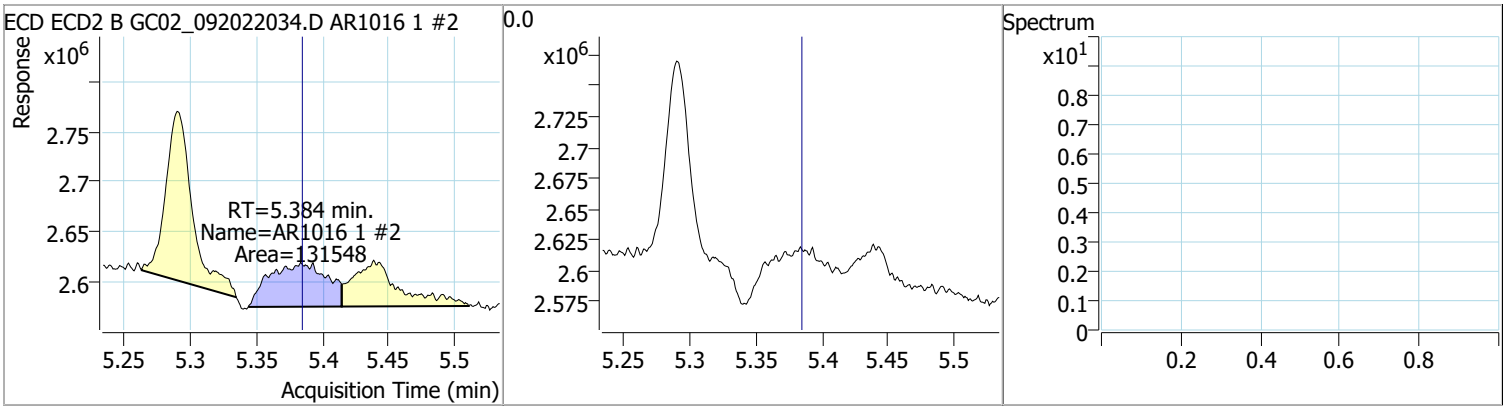
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	34.8042	4.99	0.02	6189328				



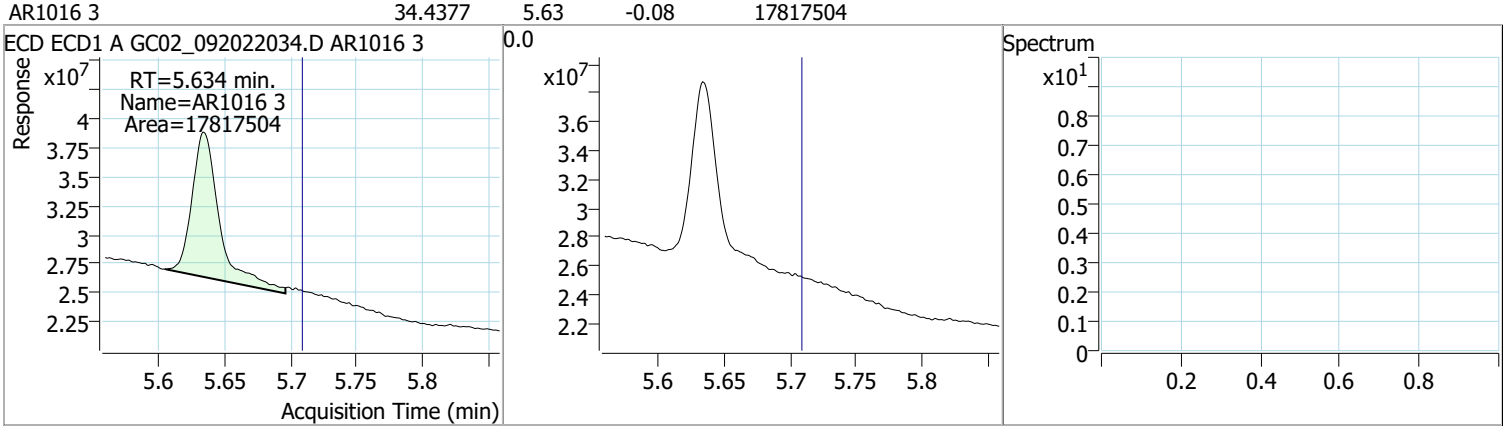
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	7.2040	5.33	0.04	2473151				



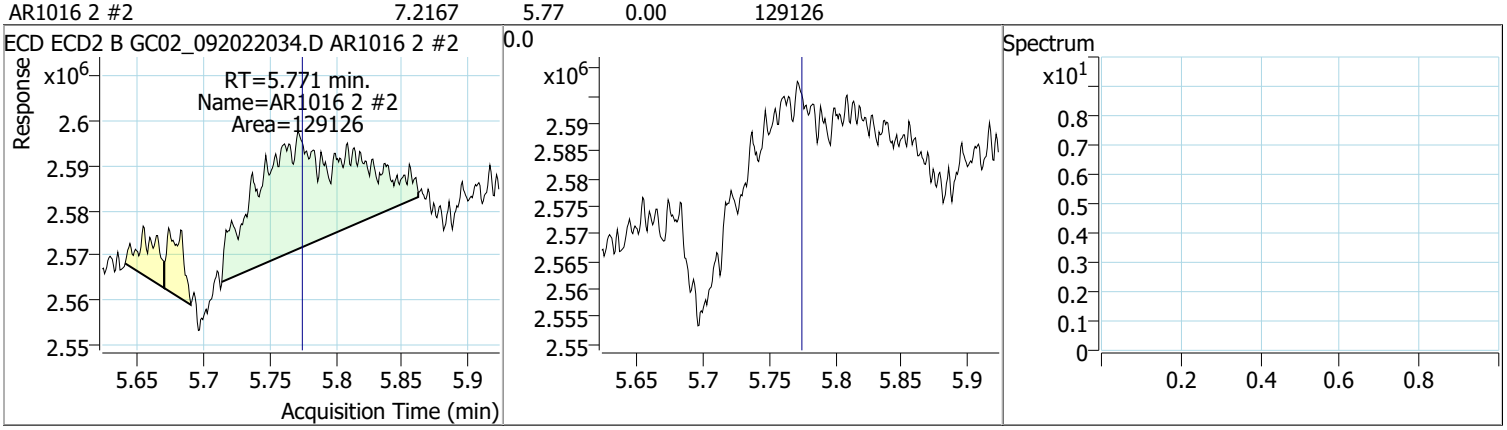
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AR1016 1 #2	14.8443	5.38	0.00	131548				



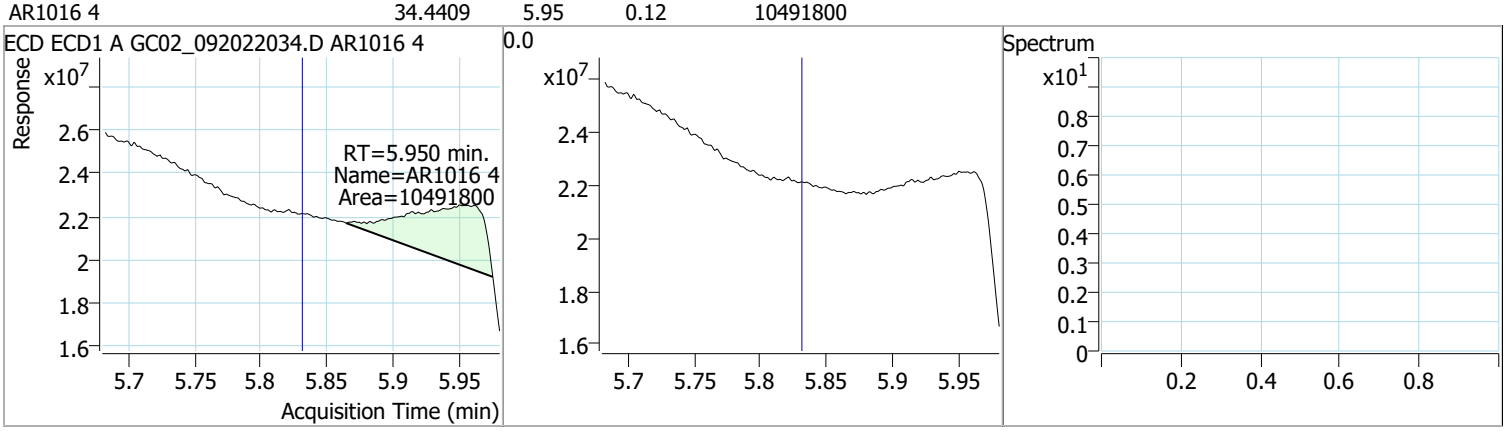
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	34.4377	5.63	-0.08	17817504				



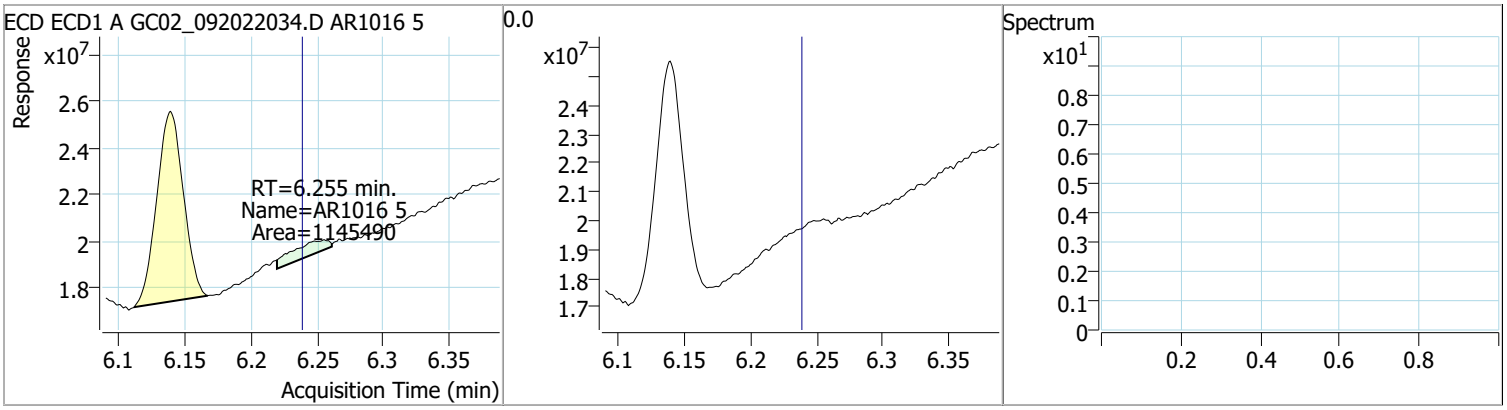
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	7.2167	5.77	0.00	129126				



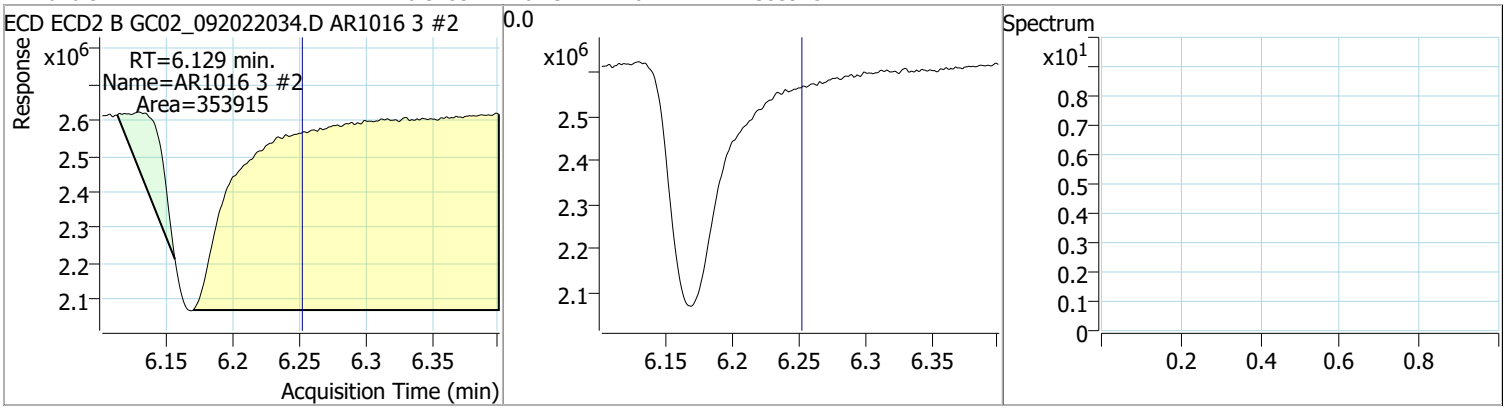
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	34.4409	5.95	0.12	10491800				



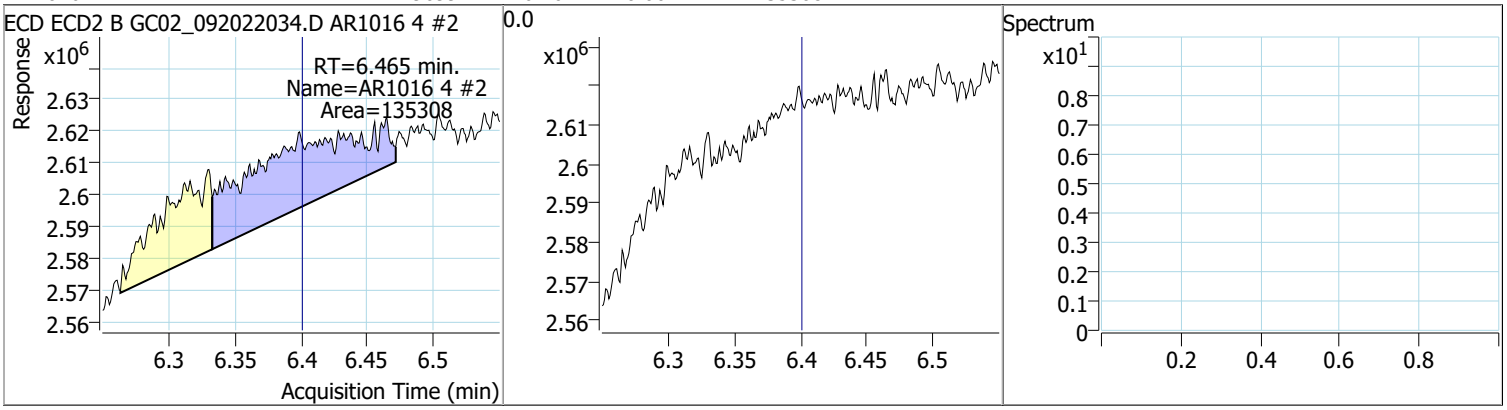
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	4.0827	6.26	0.01	1145490				



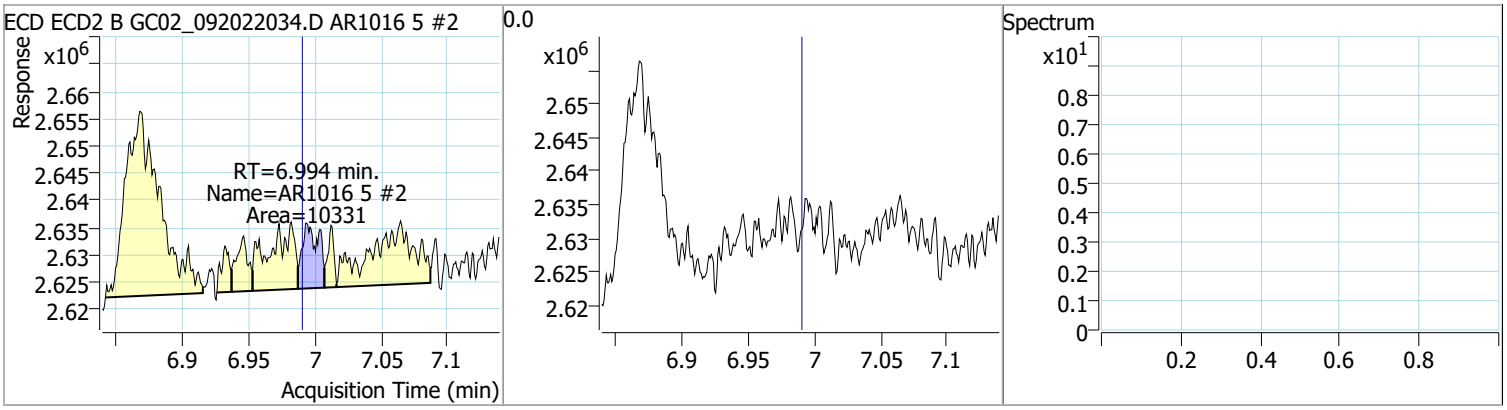
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	16.3153	6.13	-0.12	353915				



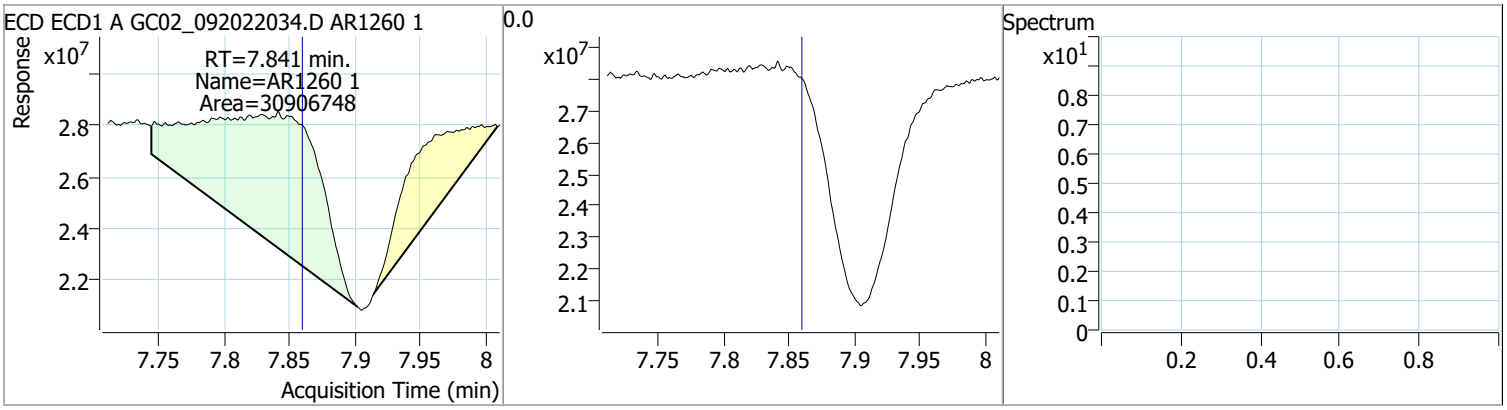
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	7.9099	6.46	0.06	135308				



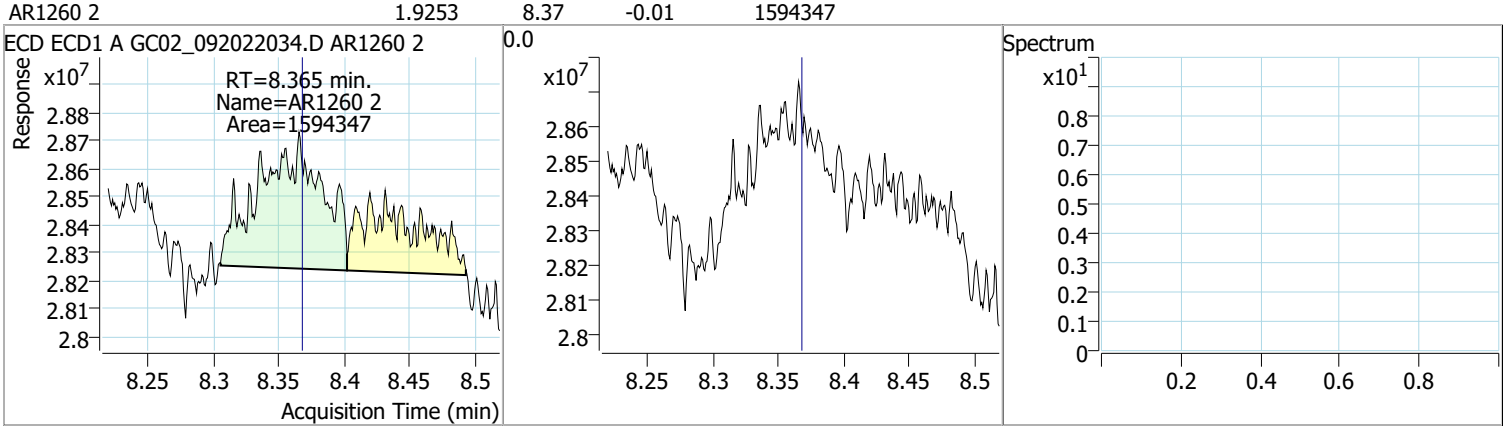
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.7493	6.99	0.00	10331				



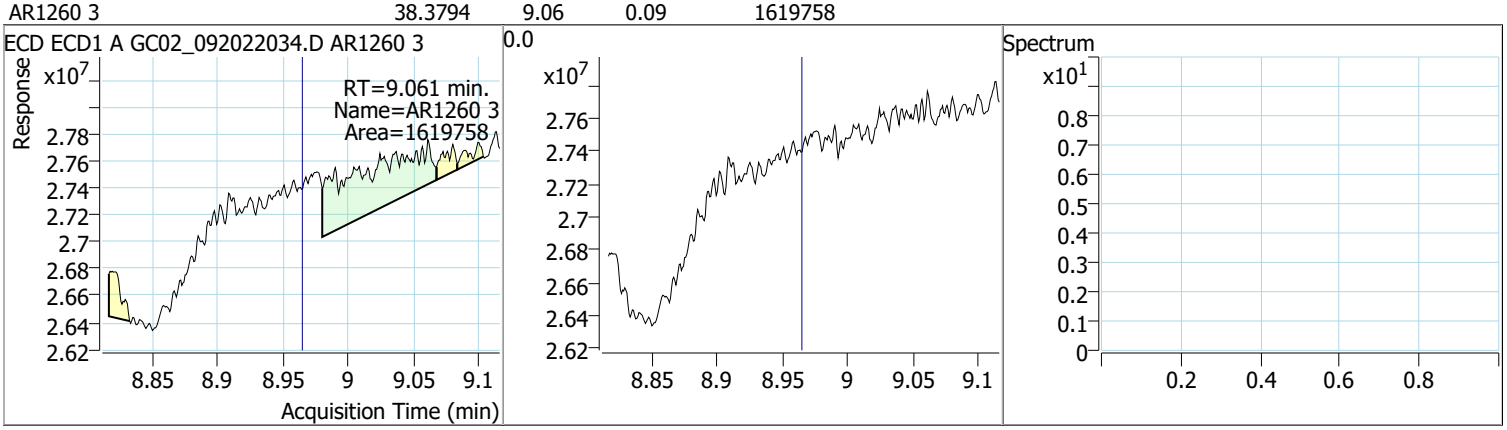
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	57.0494	7.84	-0.02	30906748				



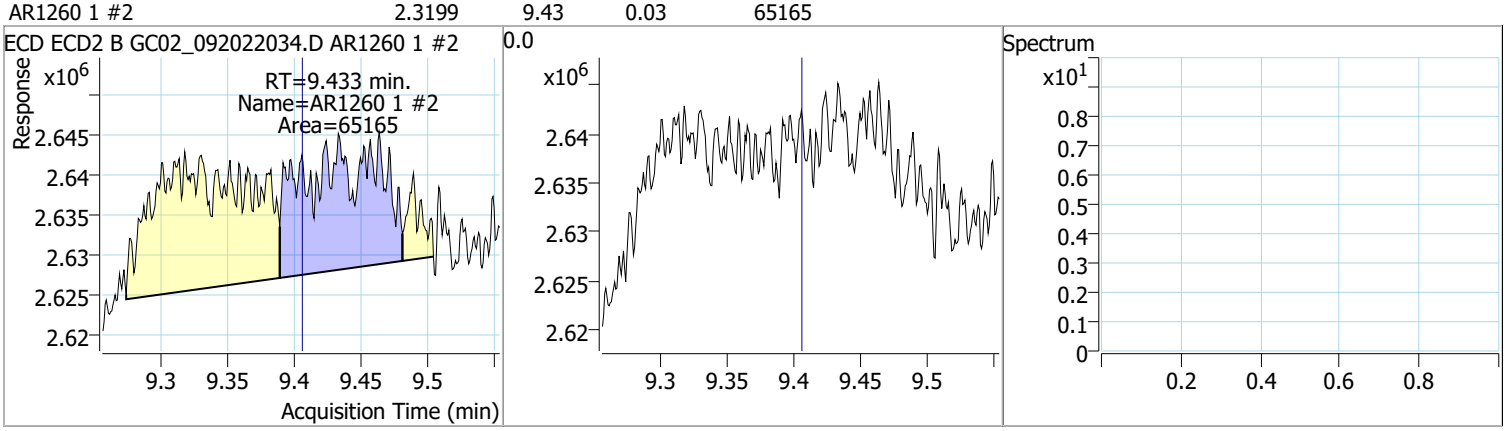
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.9253	8.37	-0.01	1594347				



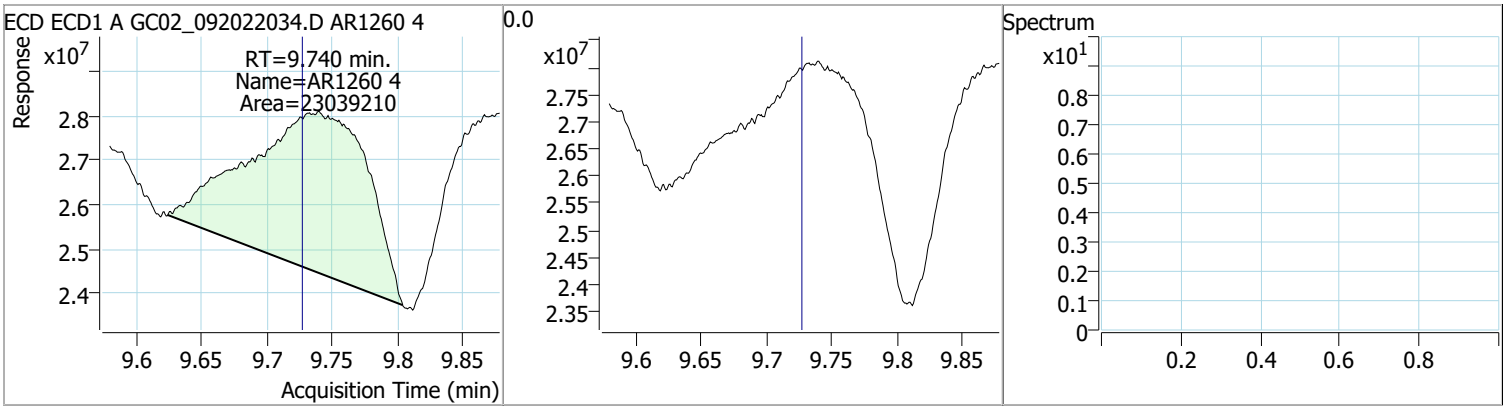
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	38.3794	9.06	0.09	1619758				



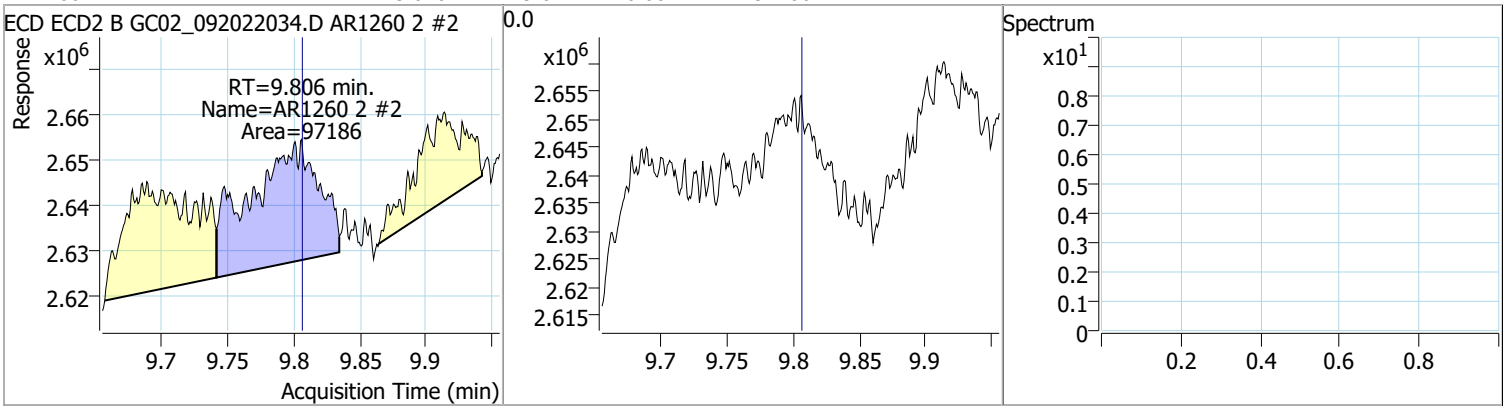
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.3199	9.43	0.03	65165				



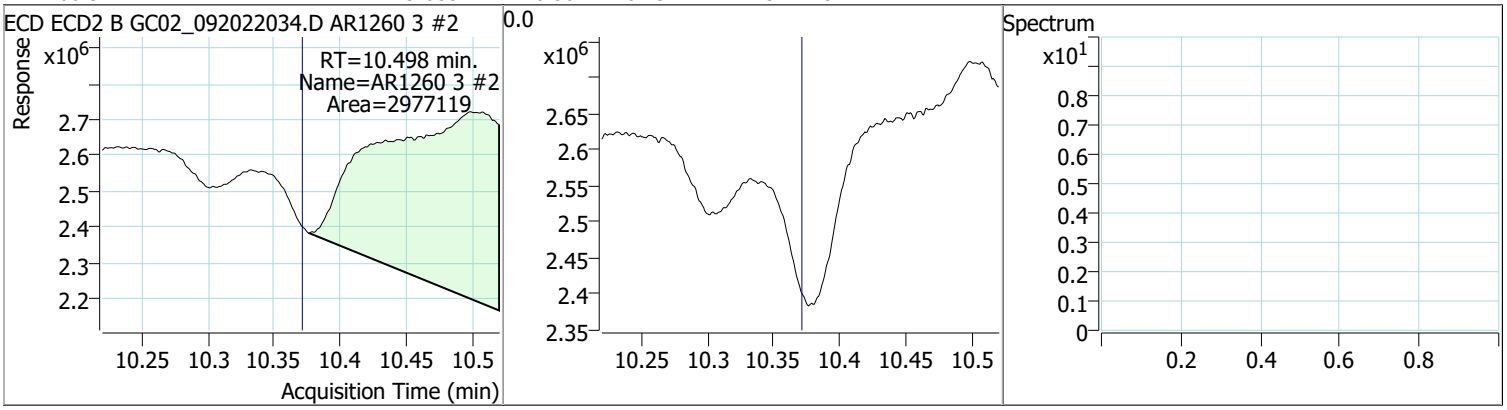
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	41.3433	9.74	0.01	23039210				



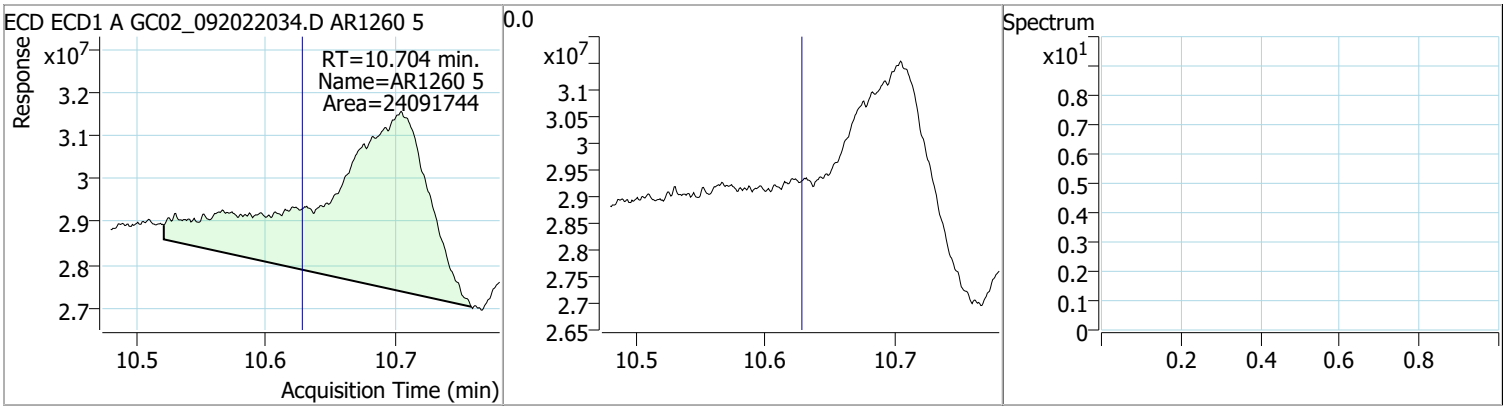
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.0707	9.81	0.00	97186				



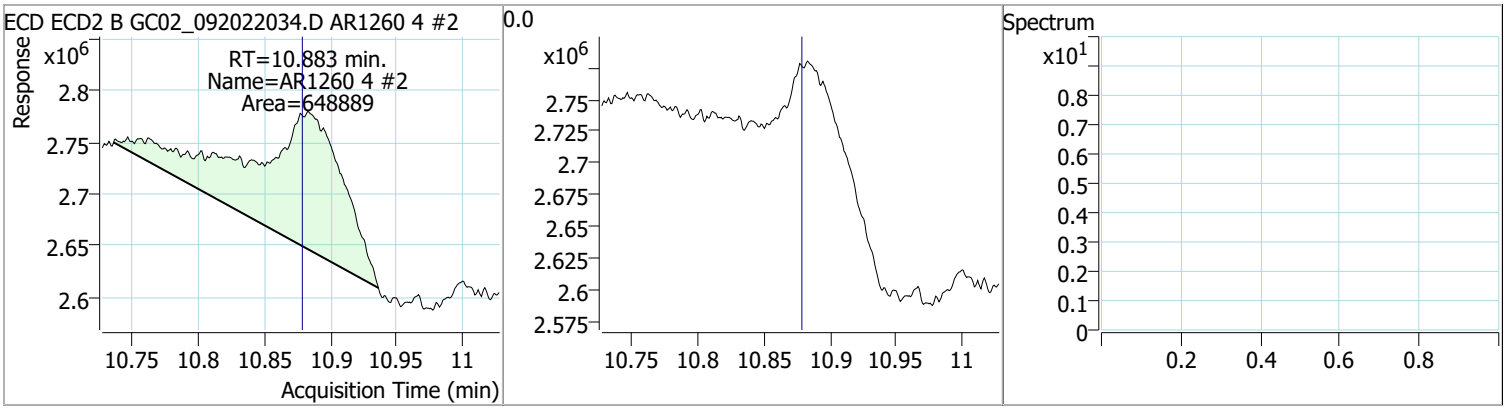
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	79.0884	10.50	0.13	2977119				



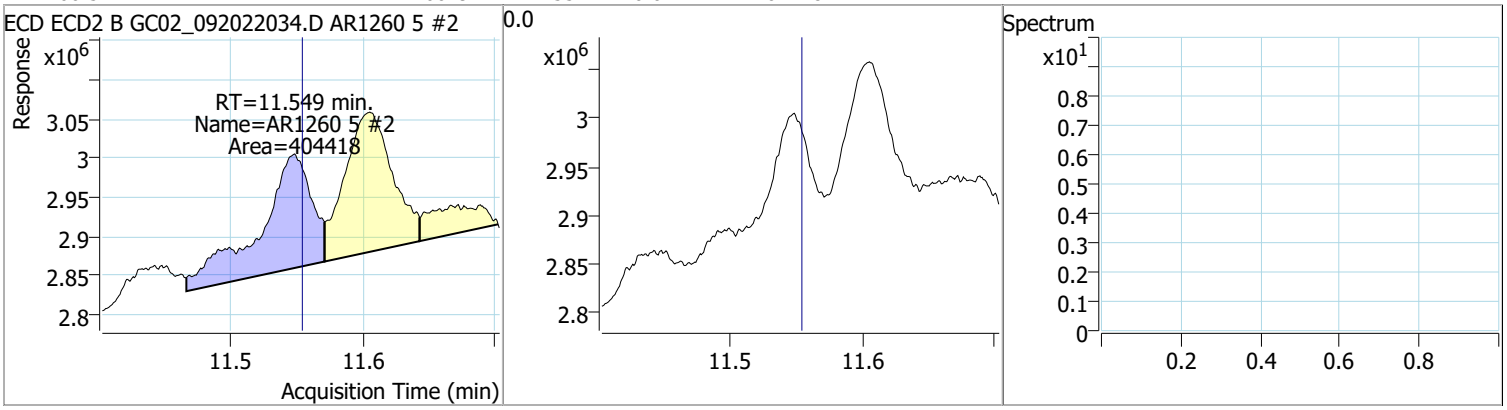
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	33.0609	10.70	0.07	24091744				



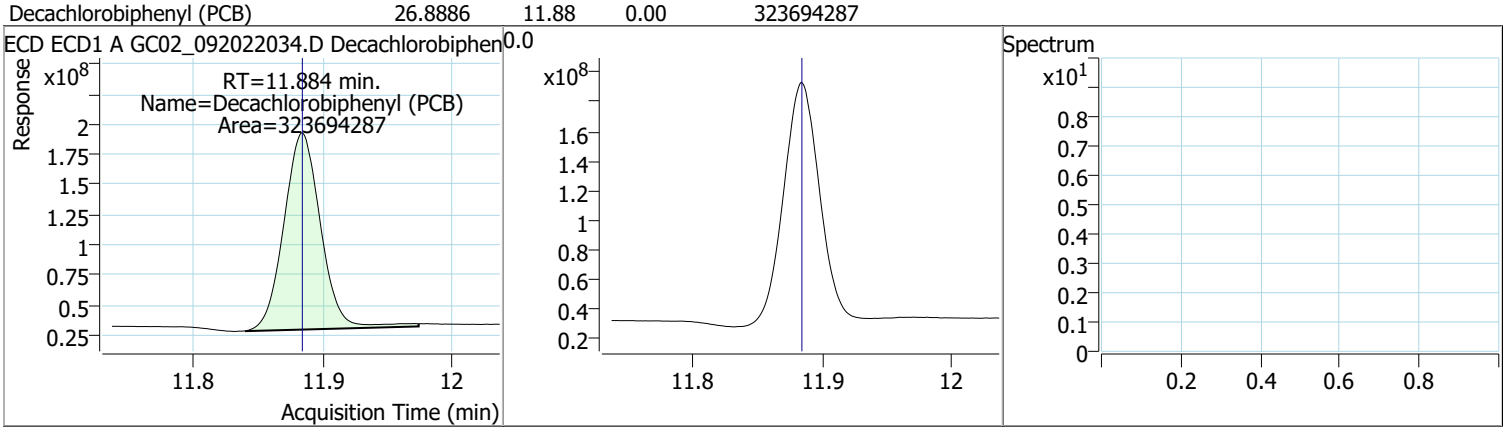
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	29.9276	10.88	0.00	648889				



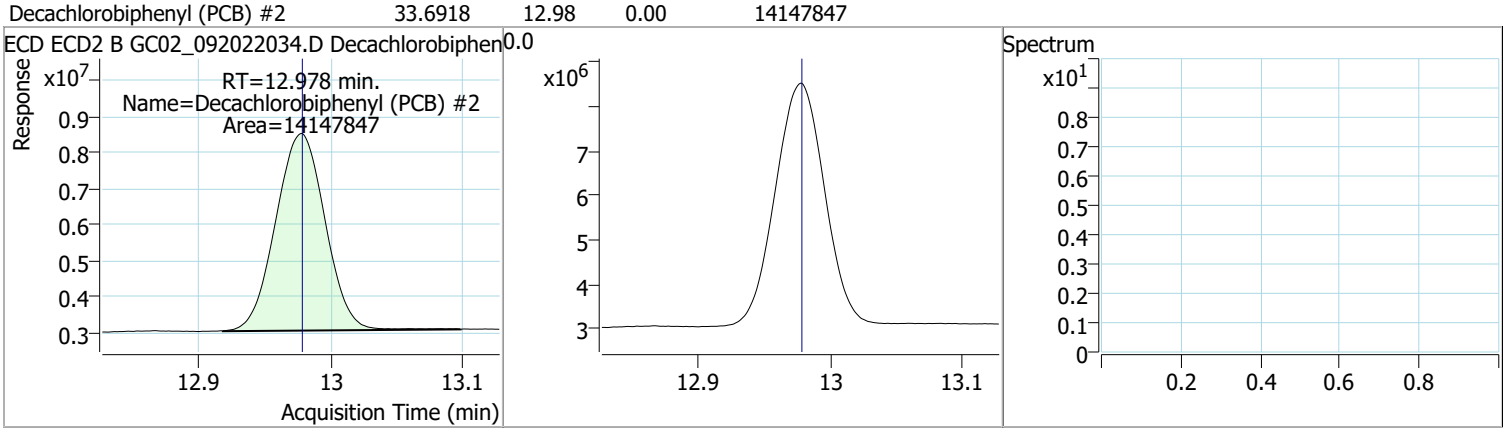
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.6049	11.55	-0.01	404418				



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)

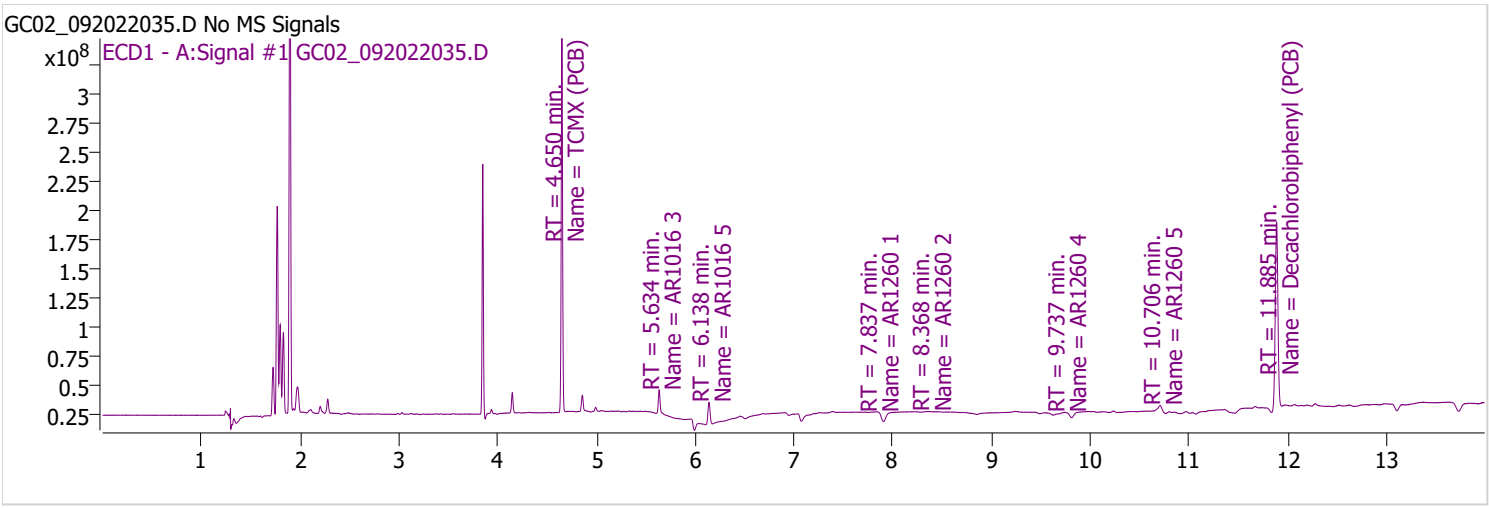
ISTD (CCV gc02_092022-008)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

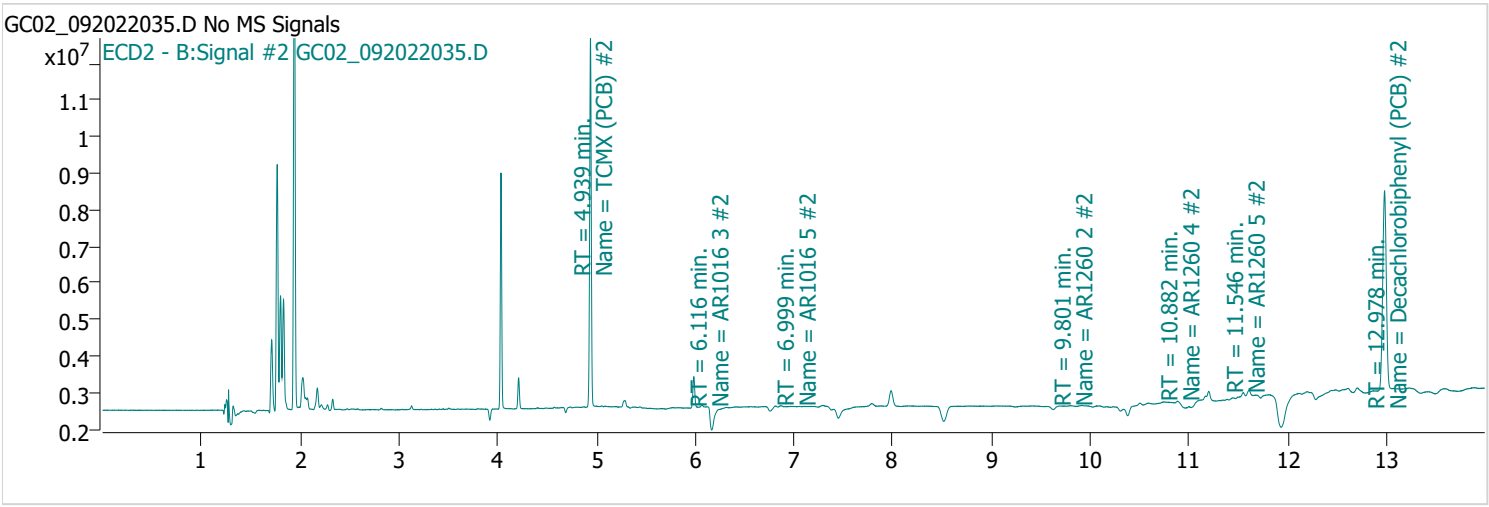
Analyst: TJW 09/21/22 *

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			



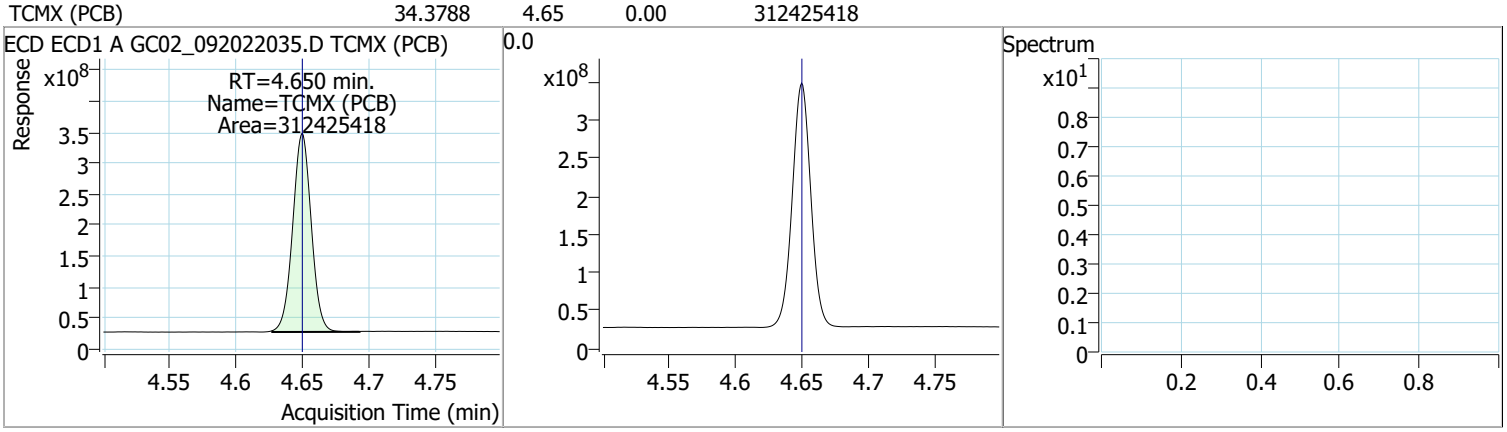


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.849	0.0	192120515.839	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.034	0.0	6941020.521	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.650	0.0	312425418.488	34.3788	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

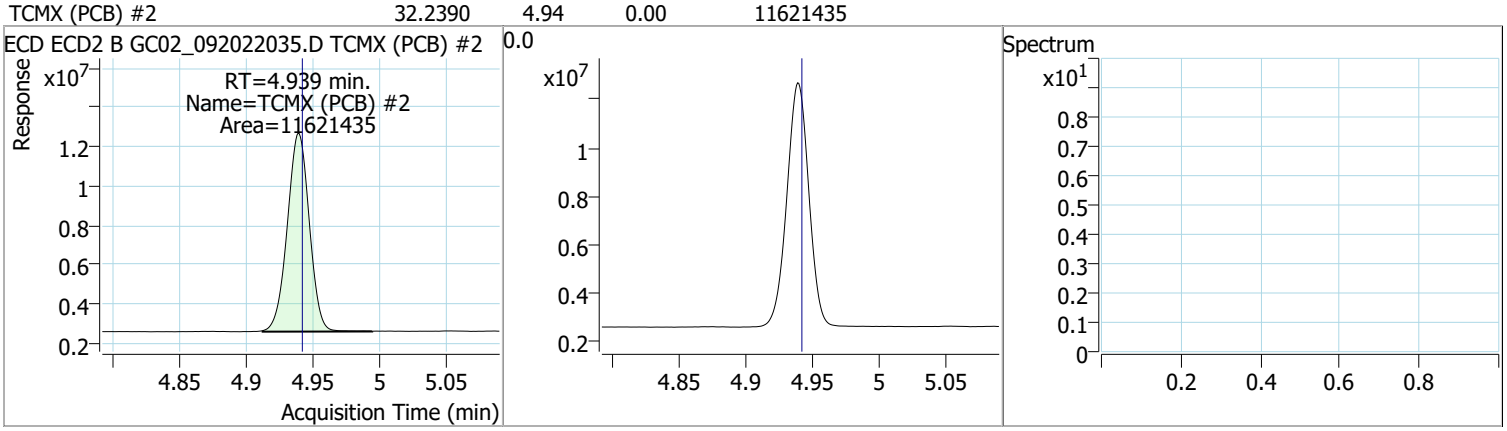
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.992	0.0	5821679.131	34.4541	ng/ml	100
T AR1016 2	5.277	0.0	599284.645	1.8372	ng/ml	100
T AR1016 1 #2	5.382	0.0	103149.066	11.7610	ng/ml	100
T AR1016 3	5.634	0.0	29218929.408	59.4368	ng/ml	100
T AR1016 2 #2	5.777	0.0	172316.942	9.7311	ng/ml	100
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

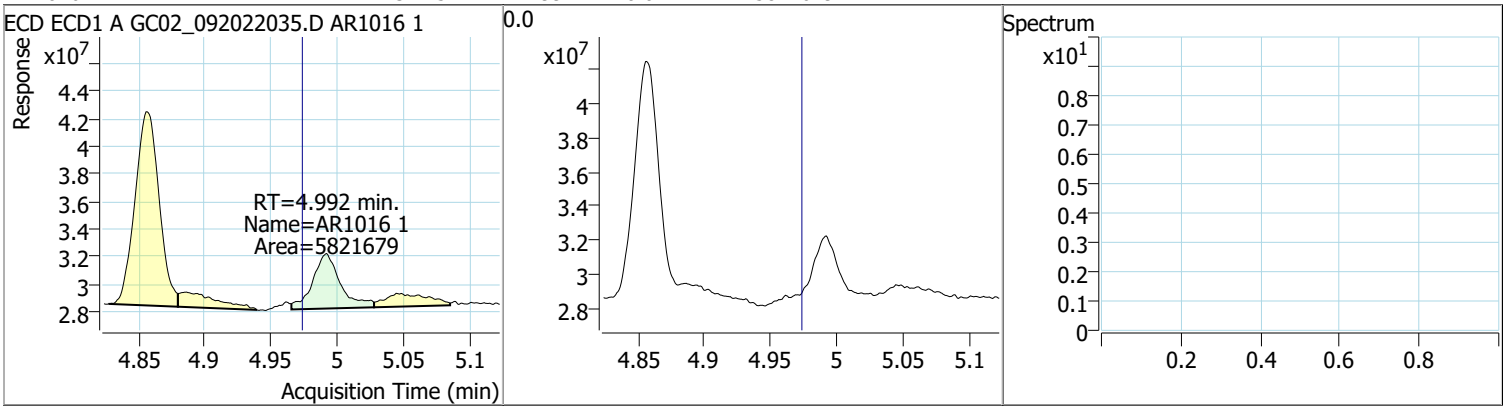
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.3788	4.65	0.00	312425418				



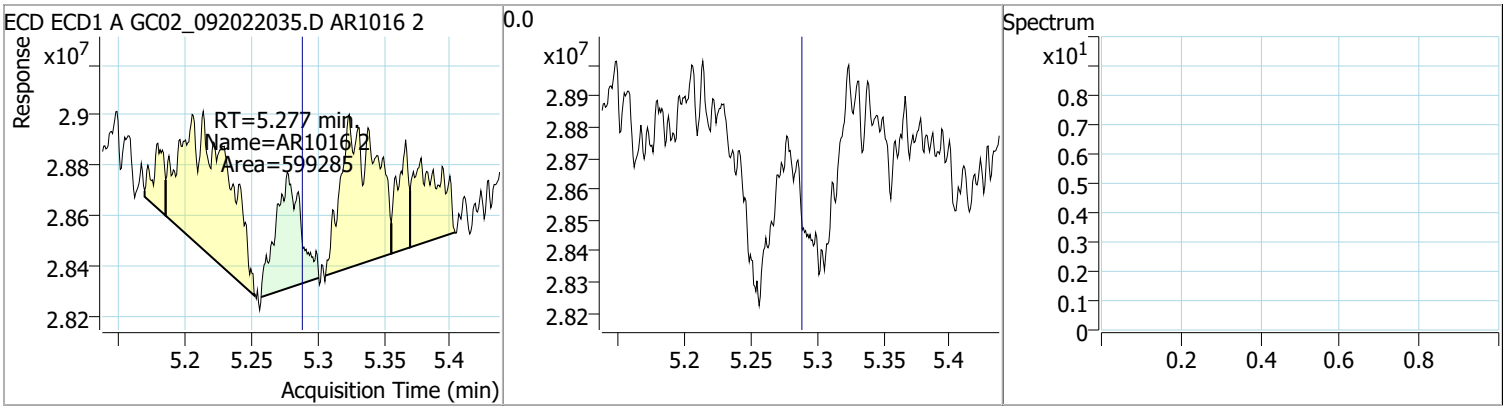
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.2390	4.94	0.00	11621435				



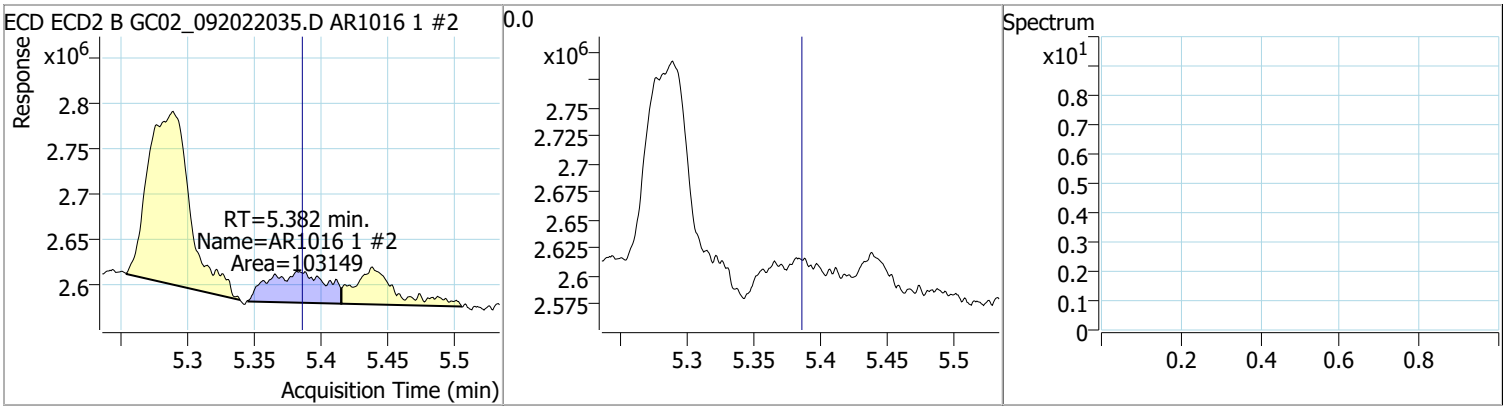
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	34.4541	4.99	0.02	5821679				



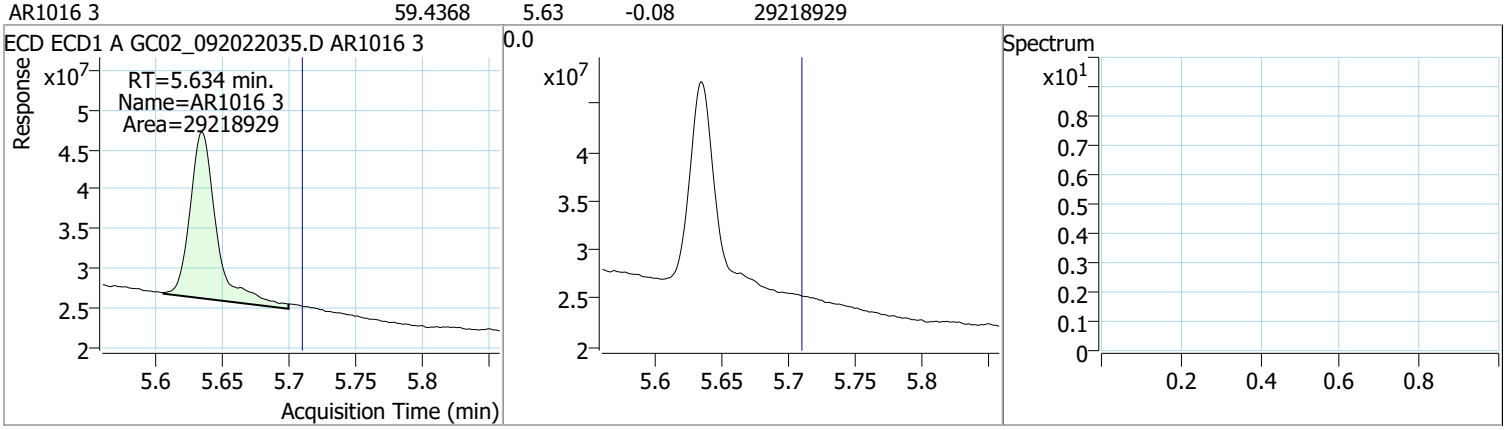
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.8372	5.28	-0.01	599285				



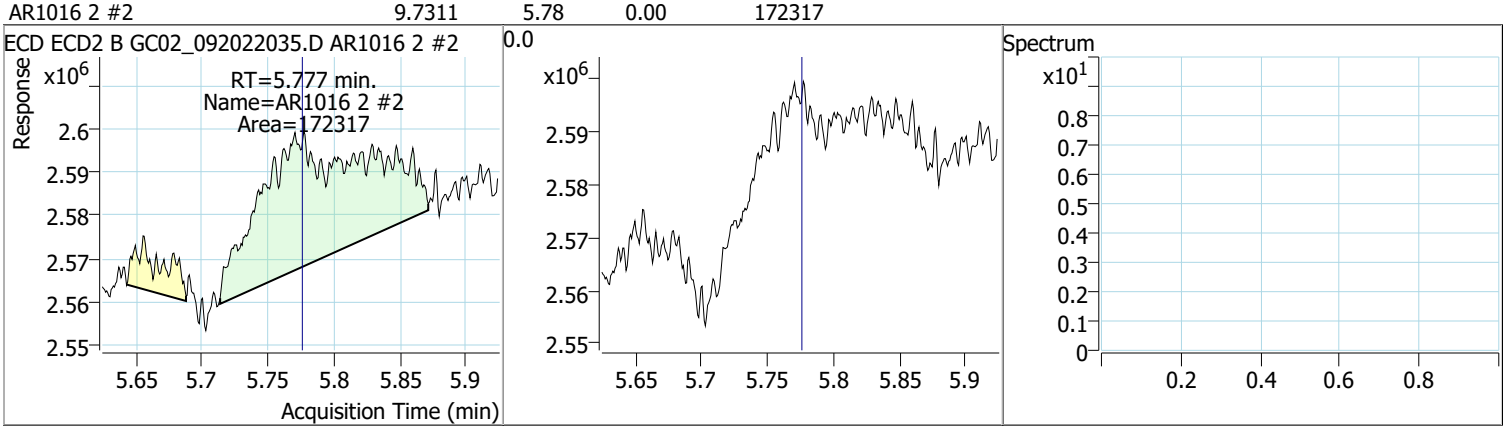
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	11.7610	5.38	0.00	103149				



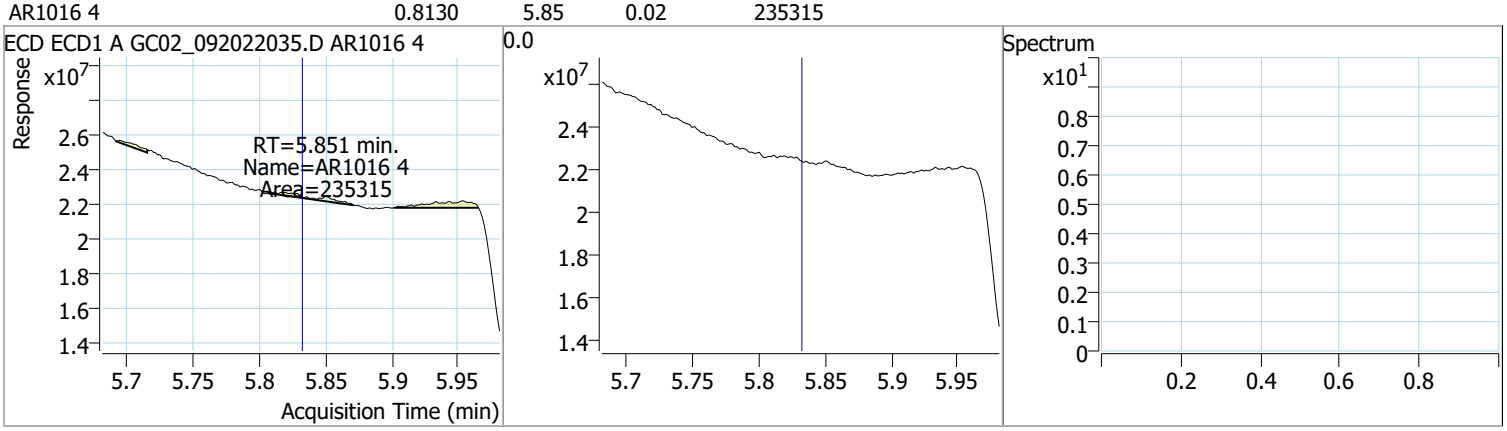
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	59.4368	5.63	-0.08	29218929				



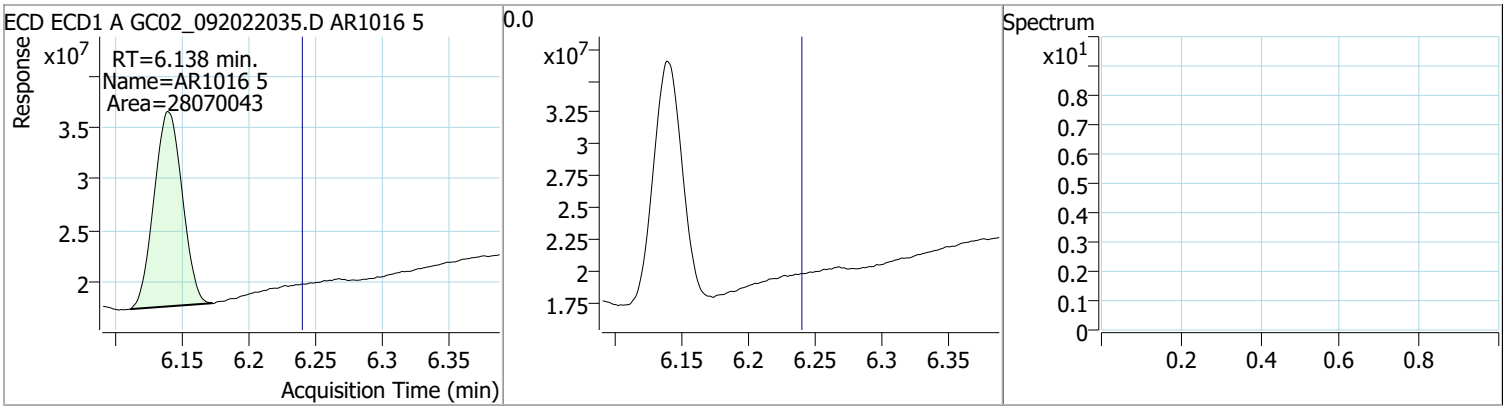
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	9.7311	5.78	0.00	172317				



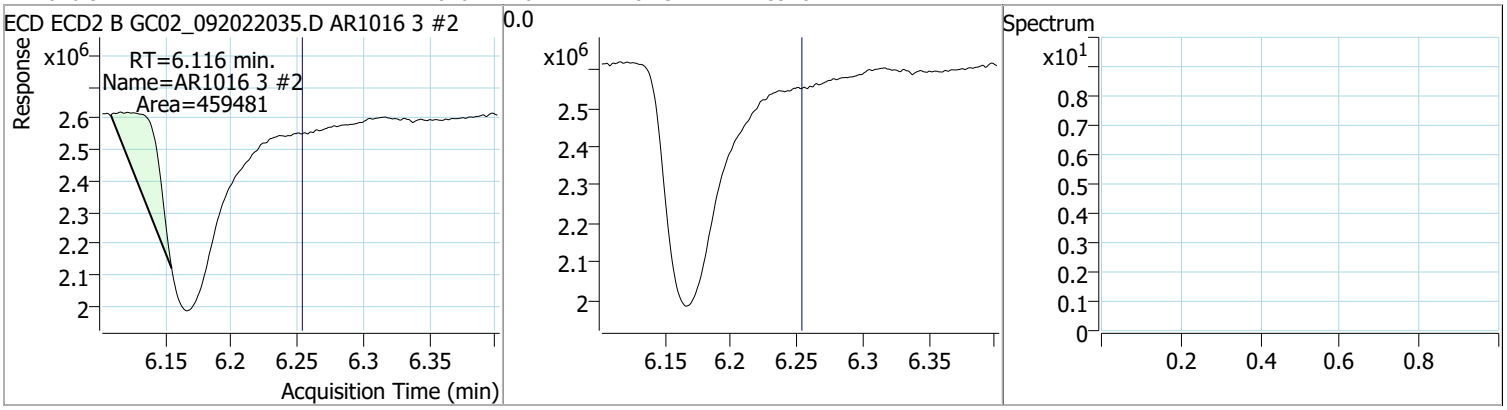
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.8130	5.85	0.02	235315				



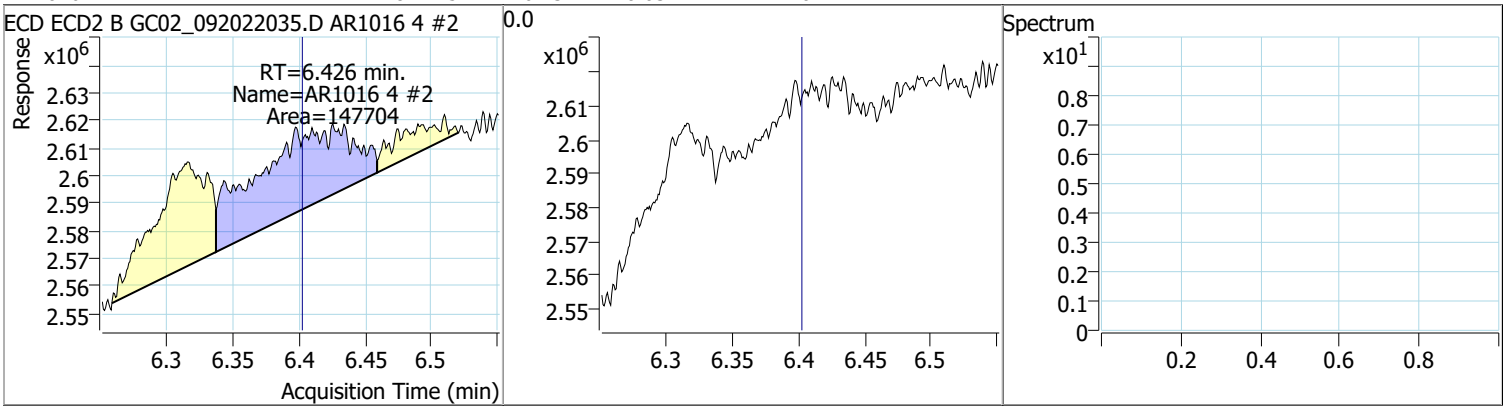
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	105.2945	6.14	-0.10	28070043				



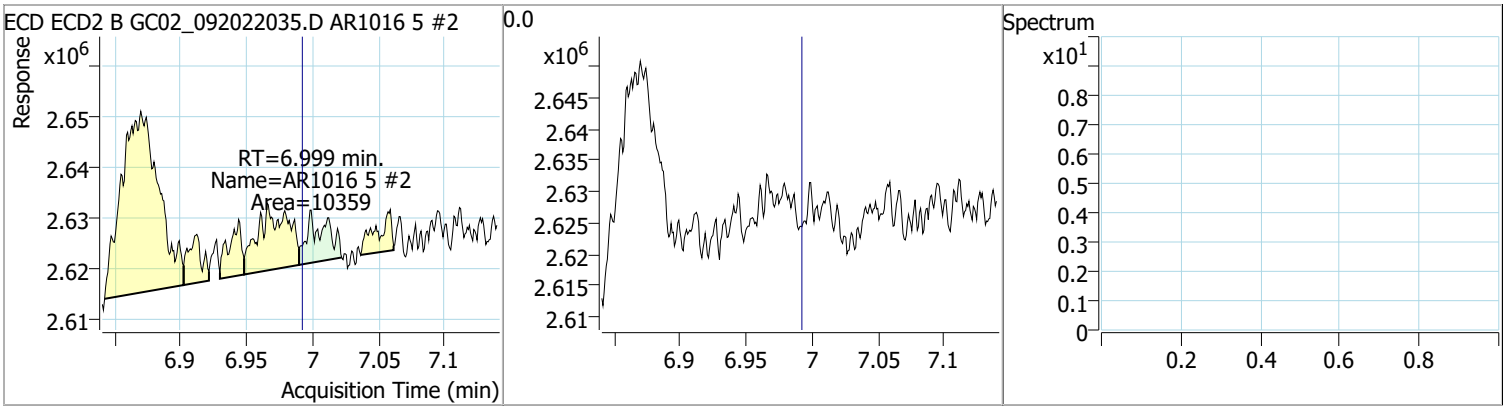
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	21.4026	6.12	-0.13	459481				



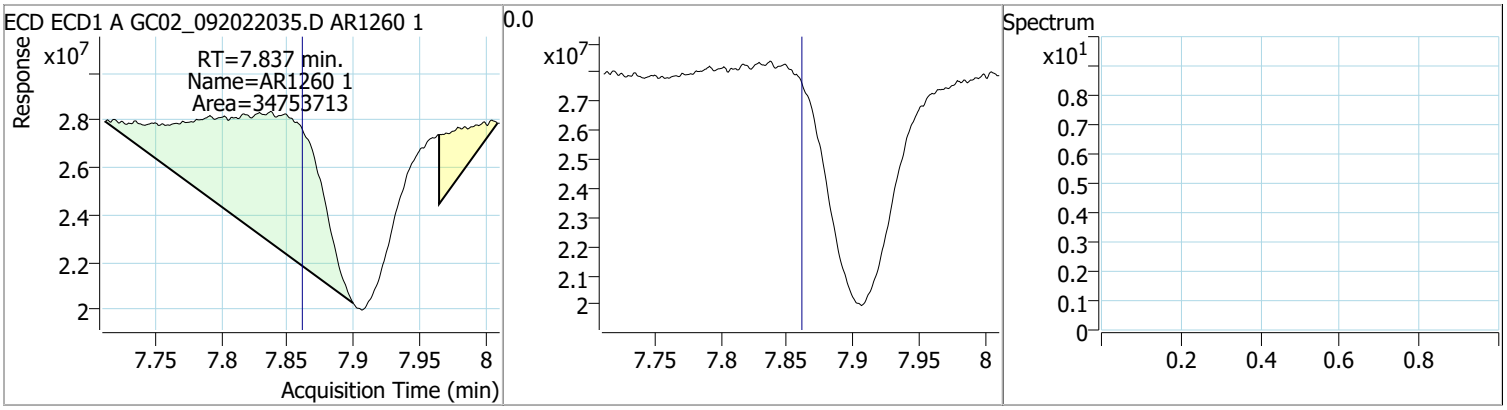
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	8.7245	6.43	0.03	147704				



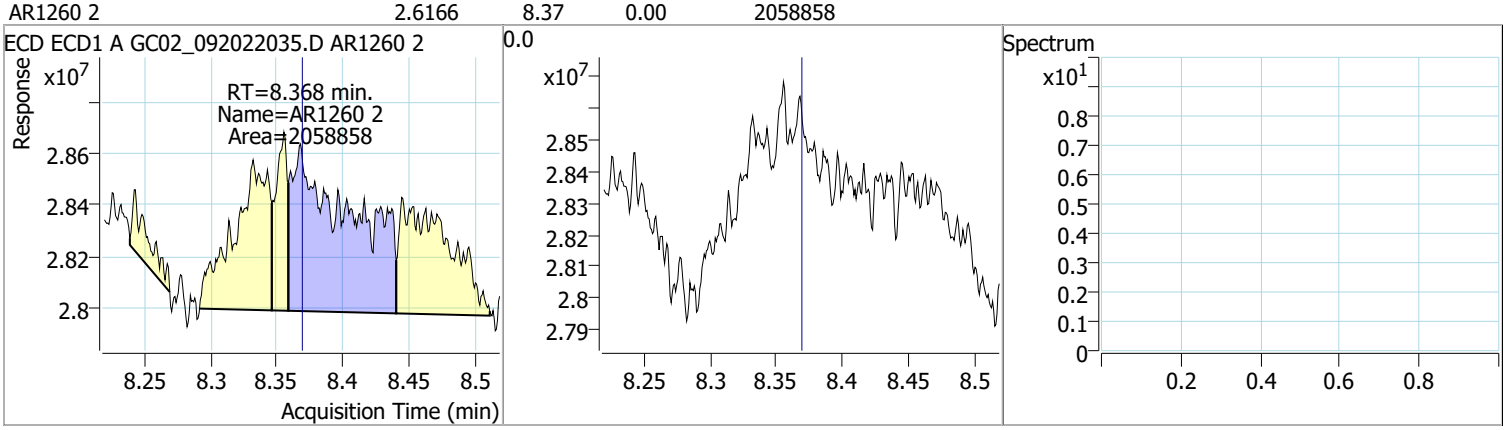
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.7592	7.00	0.01	10359				



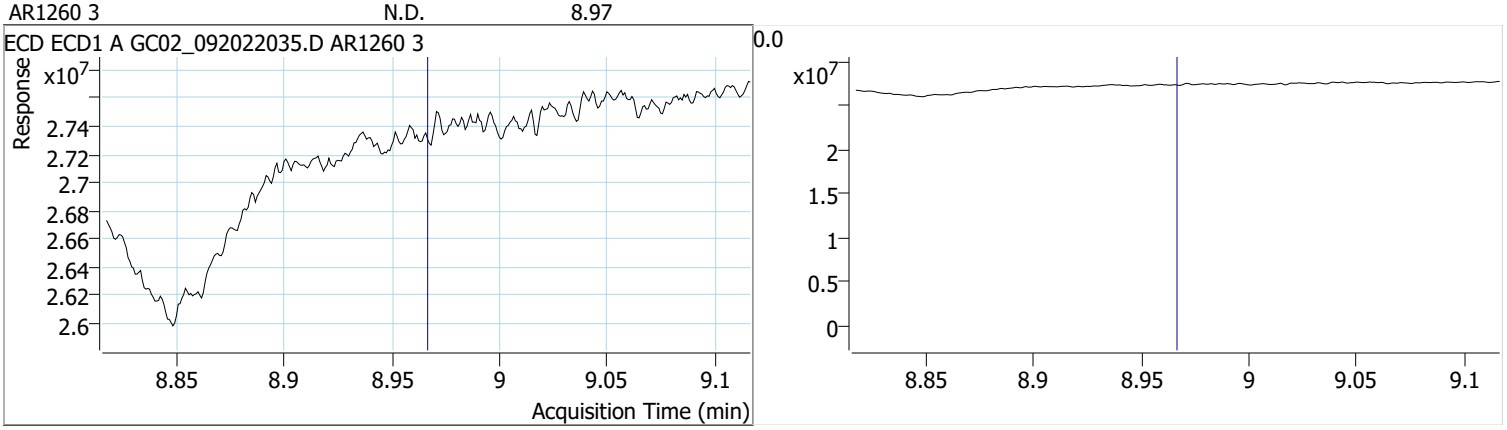
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	67.5153	7.84	-0.02	34753713				



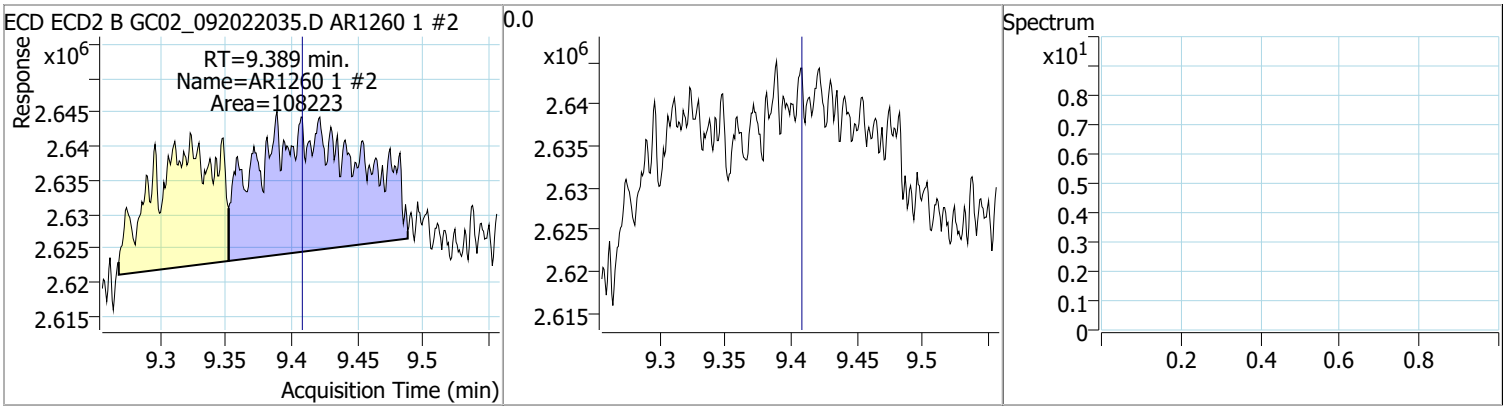
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.6166	8.37	0.00	2058858				



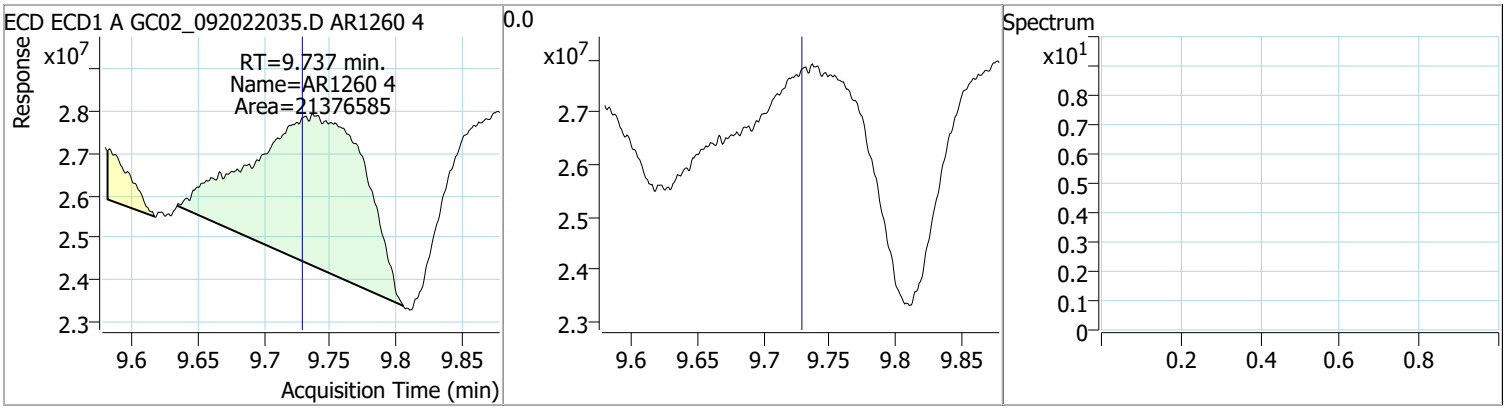
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 3	N.D.	8.97		



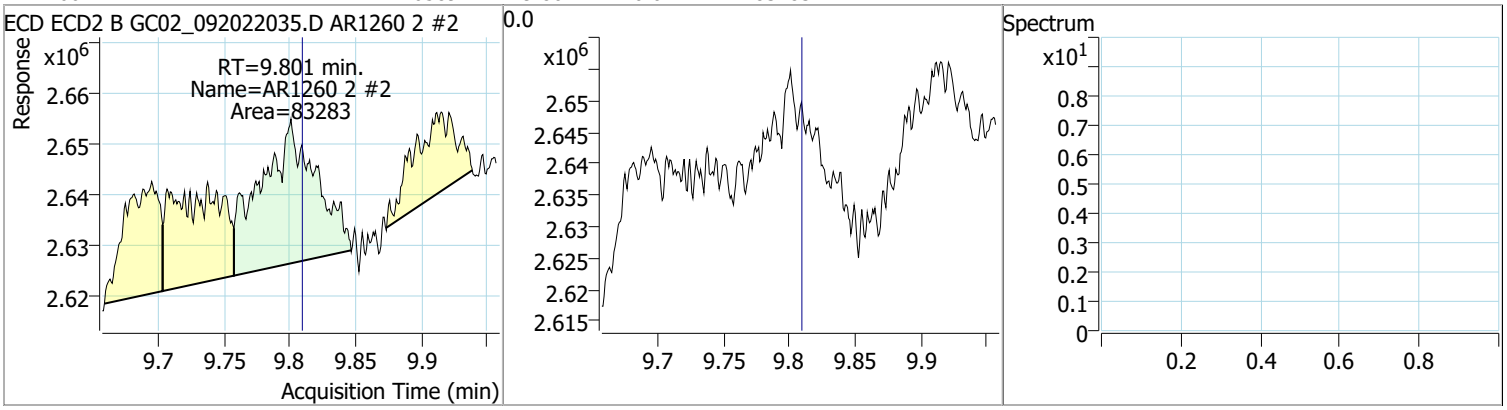
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	3.8929	9.39	-0.02	108223				



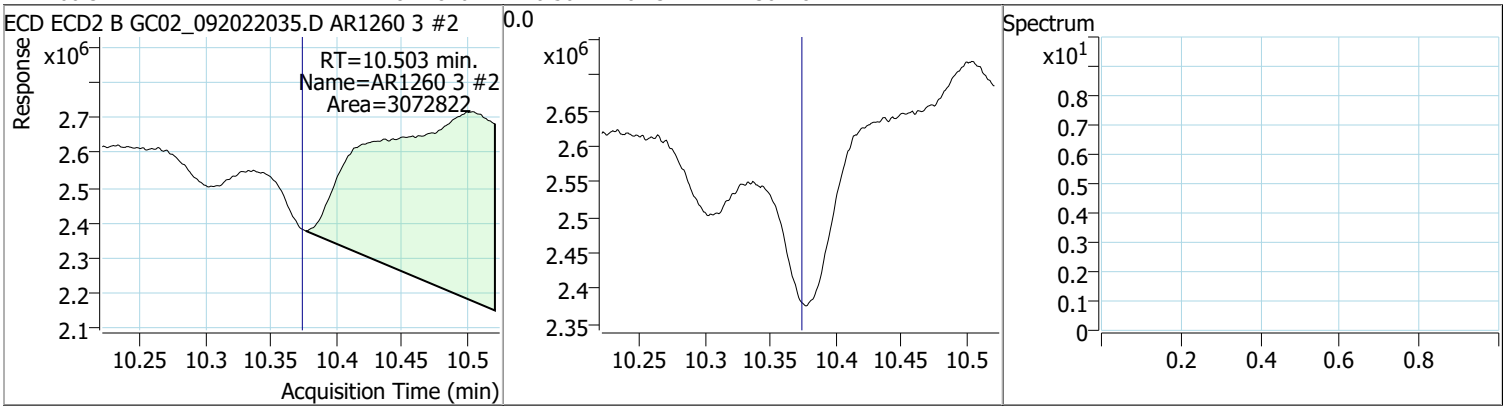
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	40.3719	9.74	0.01	21376585				



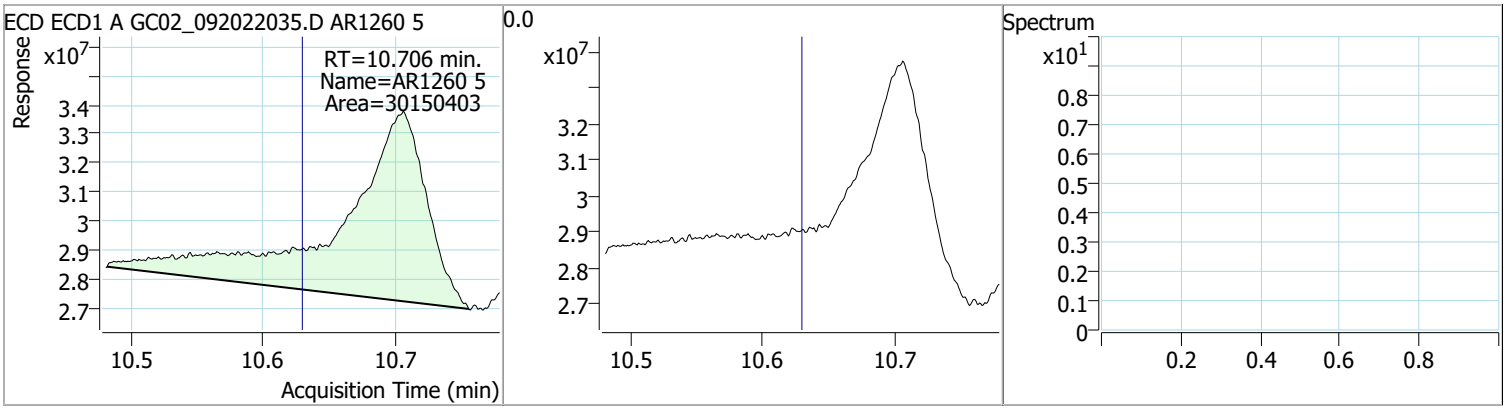
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.6589	9.80	-0.01	83283				



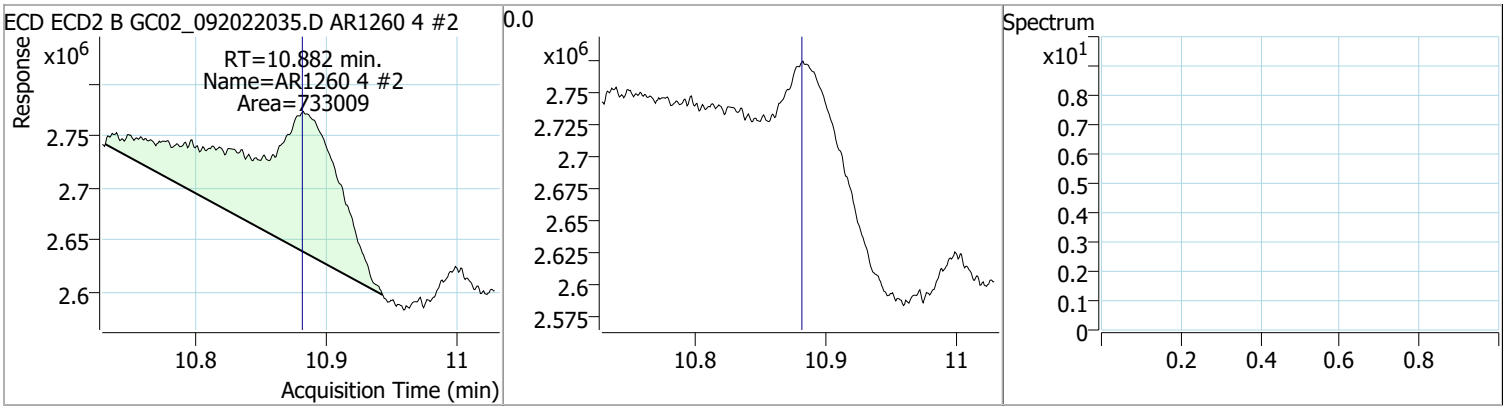
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	82.4816	10.50	0.13	3072822				



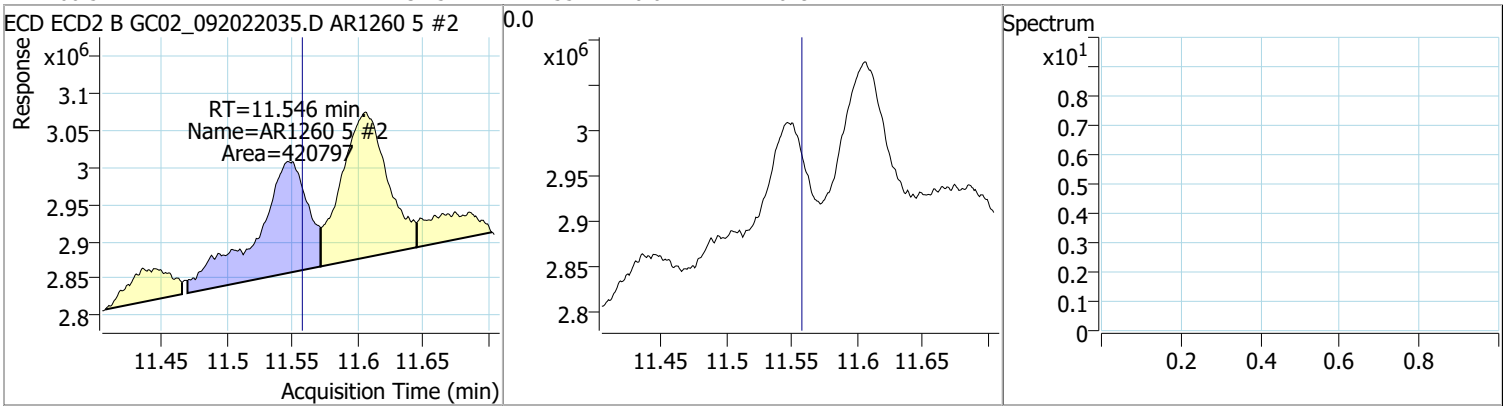
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	43.5455	10.71	0.08	30150403				



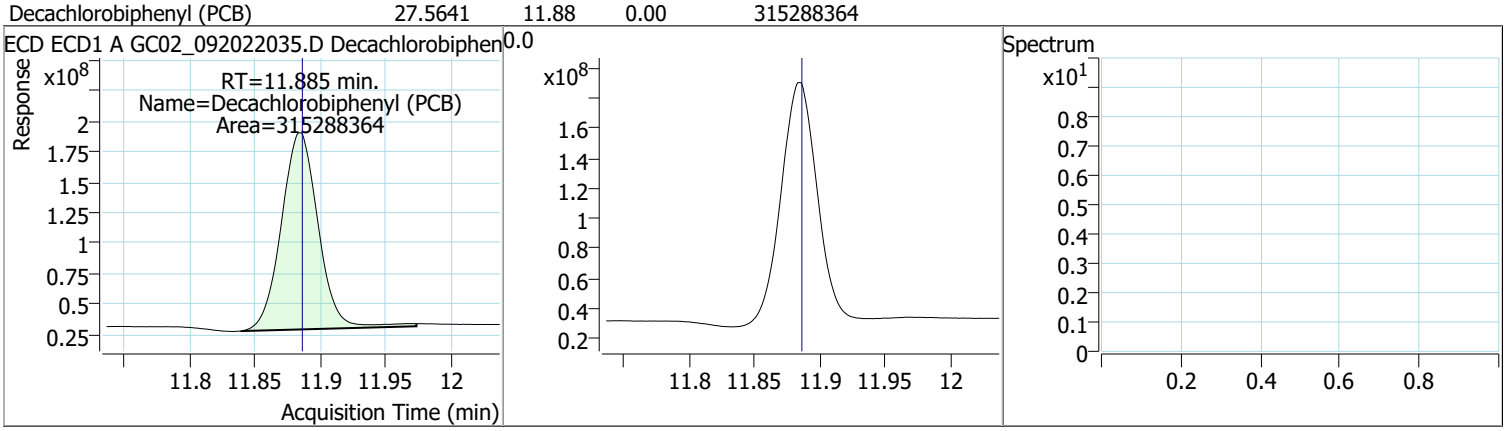
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	34.1597	10.88	0.00	733009				



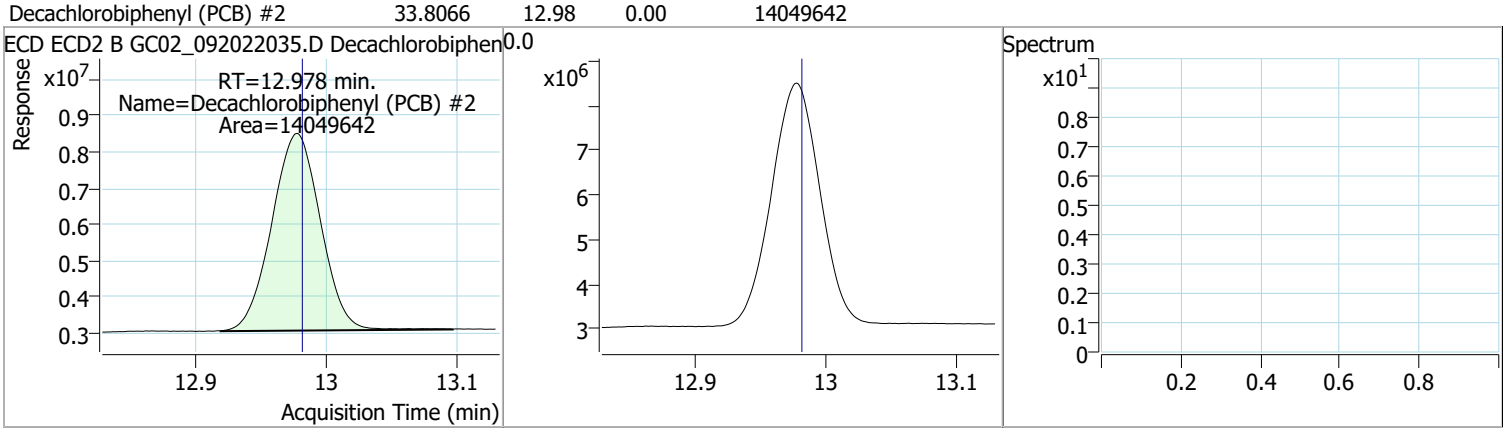
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	13.2521	11.55	-0.01	420797				



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)

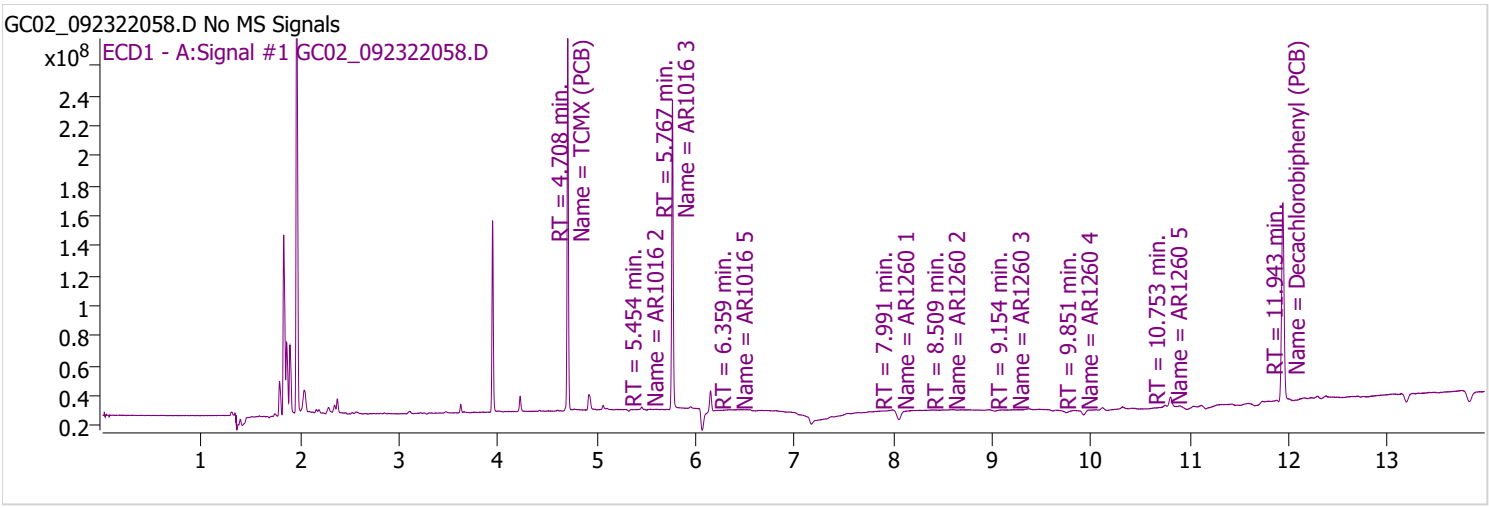
ISTD (CCV gc02_092322-038)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

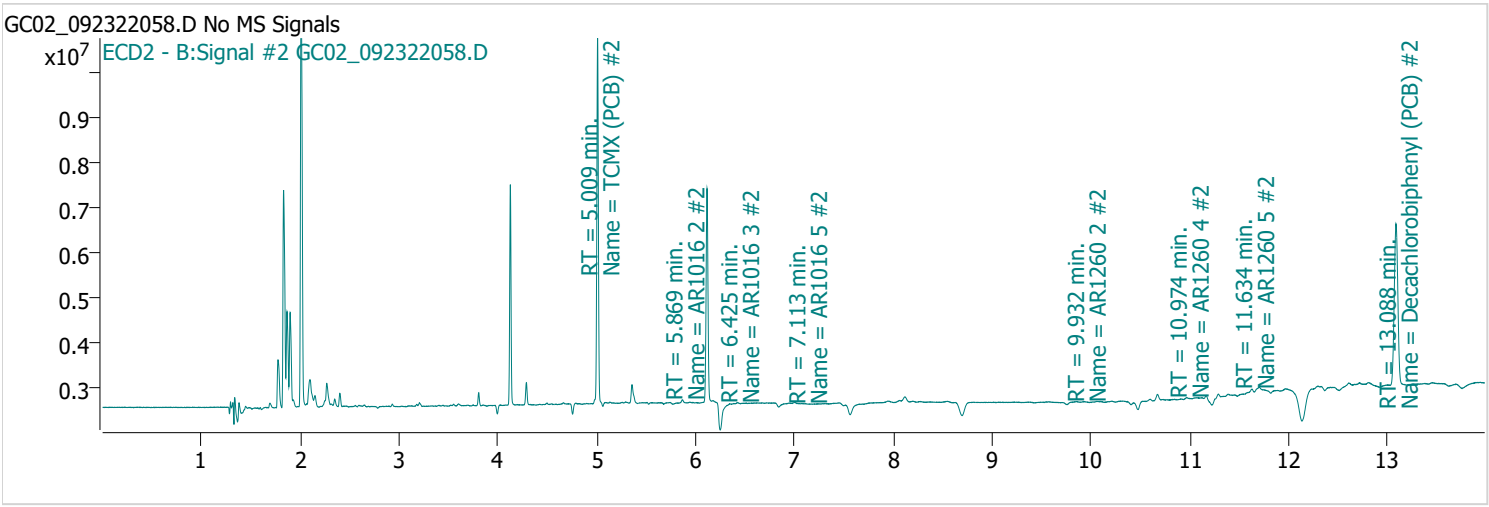
Analyst: TRN 09/26/22

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			



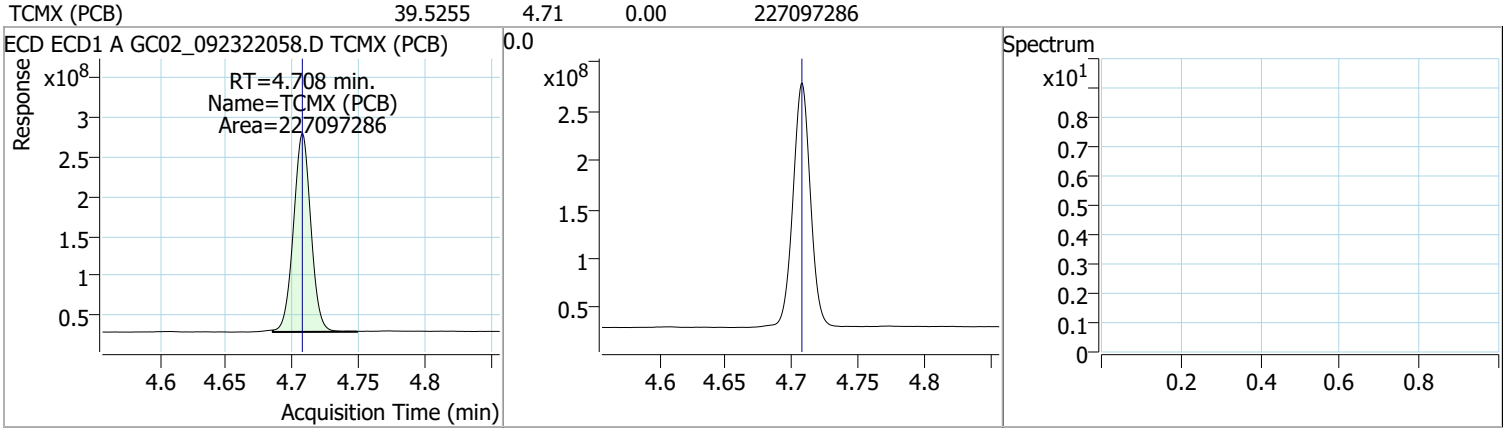


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.947	0.0	118416627.573	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.127	0.0	4928661.796	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.708	0.0	227097285.927	39.5255	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

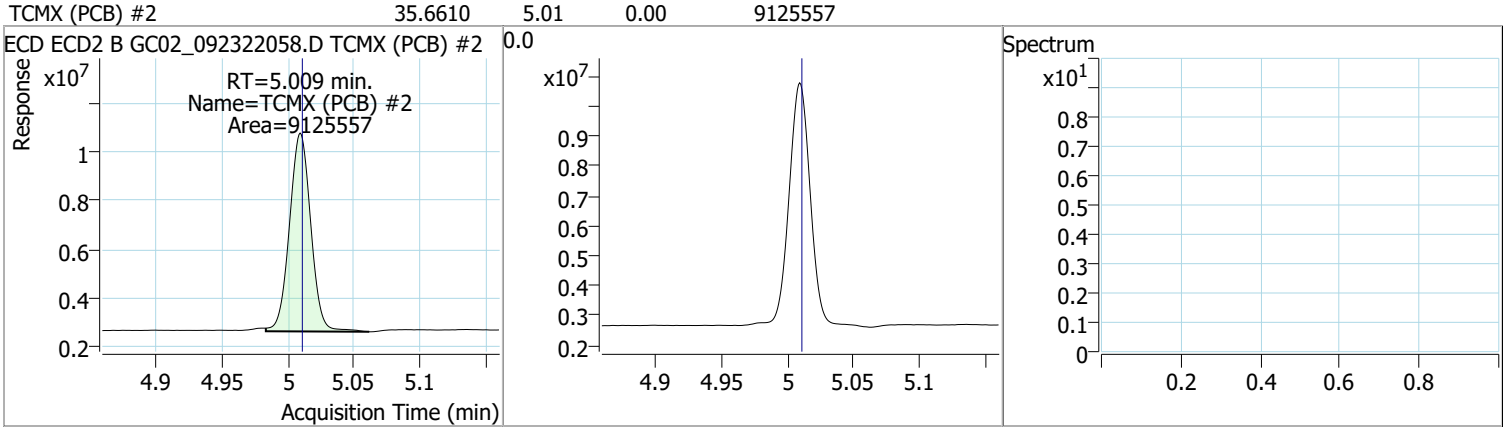
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.066	0.0	4535163.344	52.5445	ng/ml	100
T AR1016 2	5.454	0.0	8628137.759	46.3685	ng/ml	100
T AR1016 1 #2	5.461	0.0	50033.121	8.4914	ng/ml	100
T AR1016 3	5.767	0.0	217161628.927	756.2387	ng/ml	100
T AR1016 2 #2	5.869	0.0	167599.408	13.5329	ng/ml	100
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

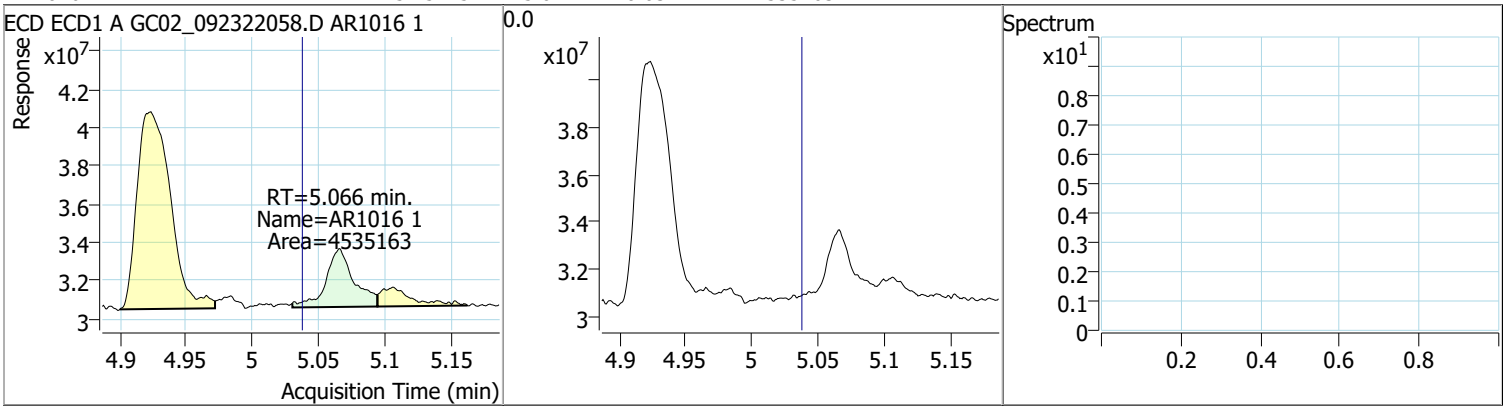
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.5255	4.71	0.00	227097286				



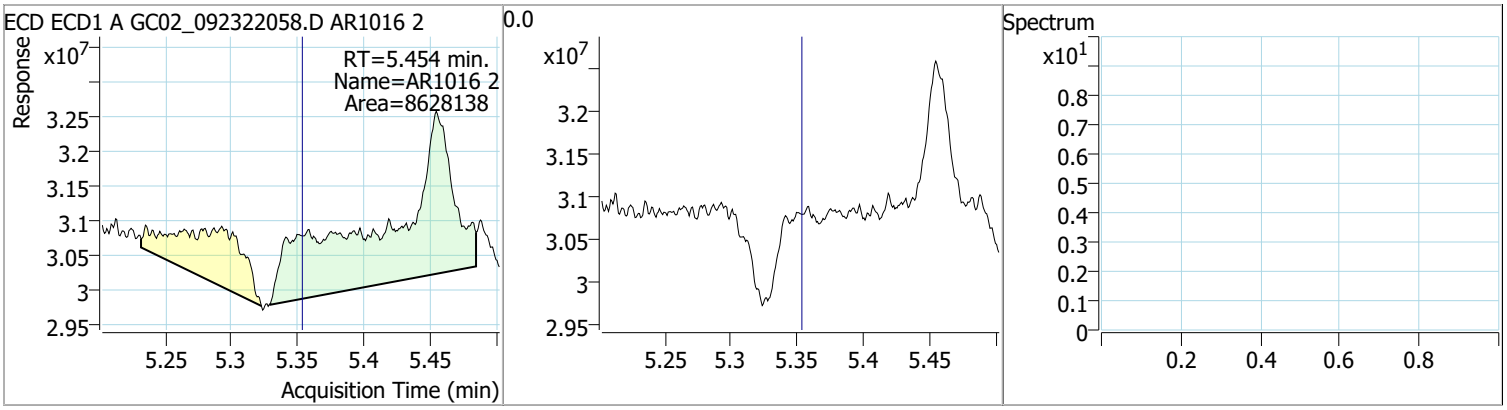
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.6610	5.01	0.00	9125557				



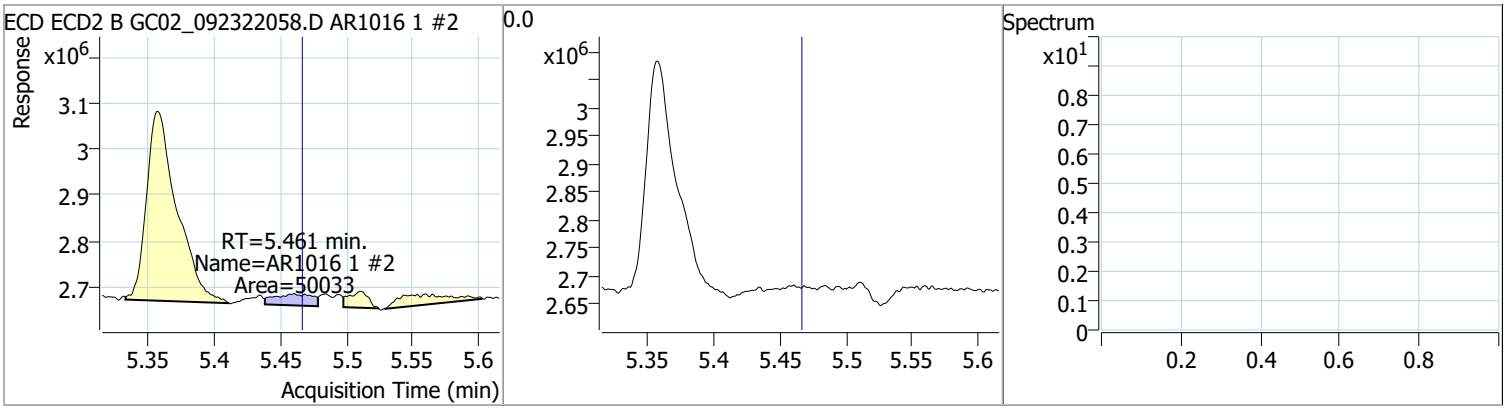
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.5445	5.07	0.03	4535163				



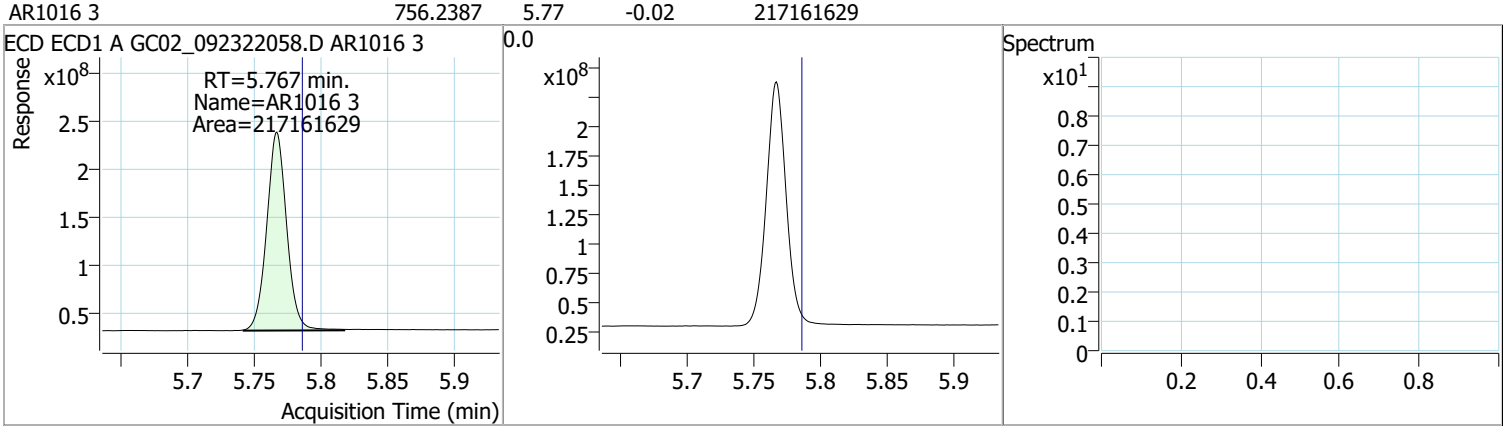
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	46.3685	5.45	0.10	8628138				



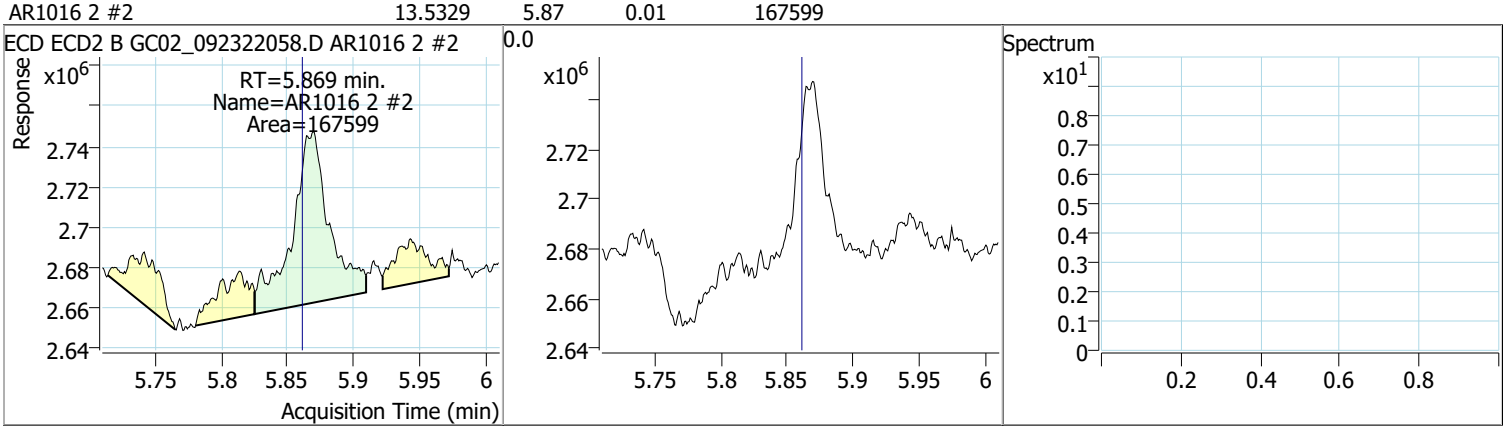
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	8.4914	5.46	0.00	50033				



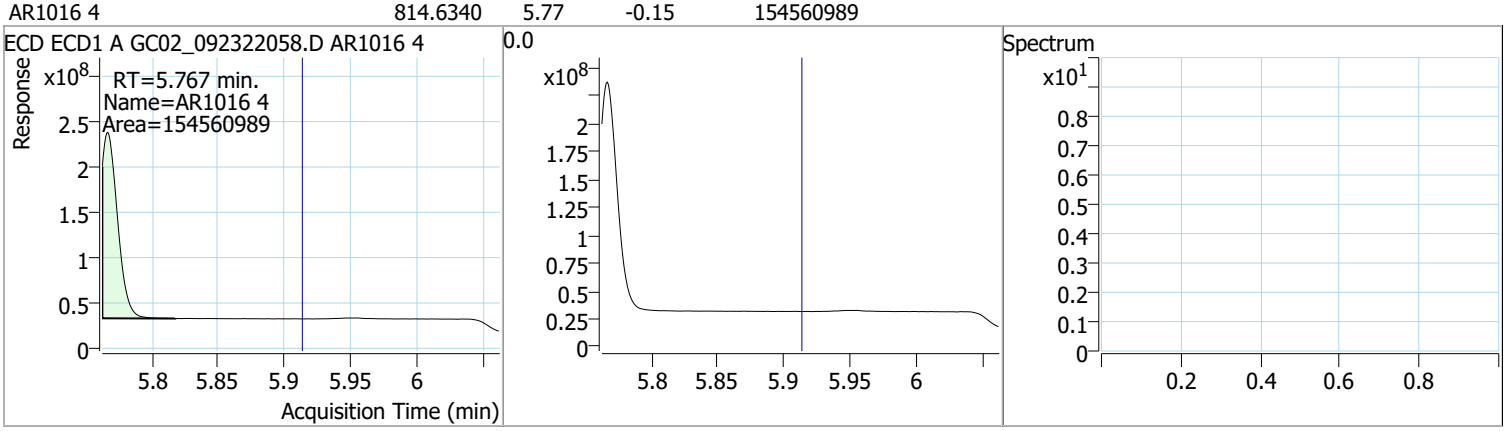
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	756.2387	5.77	-0.02	217161629				



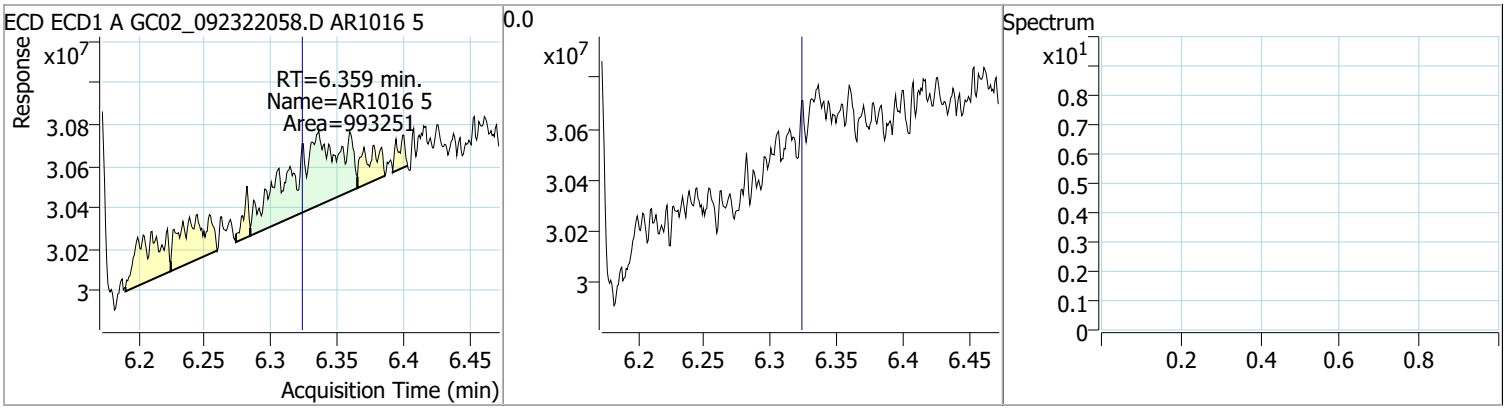
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.5329	5.87	0.01	167599				



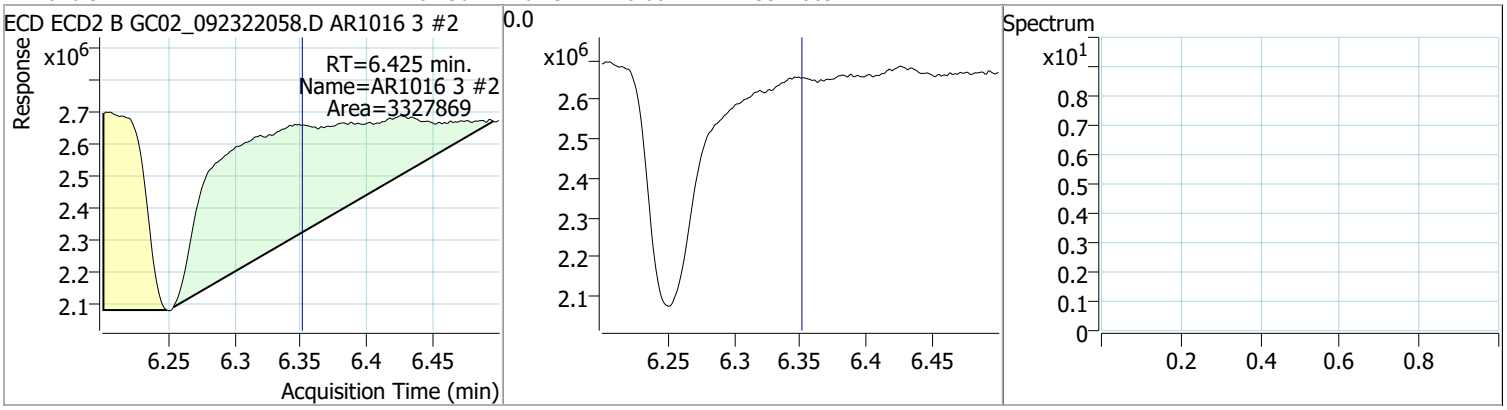
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	814.6340	5.77	-0.15	154560989				



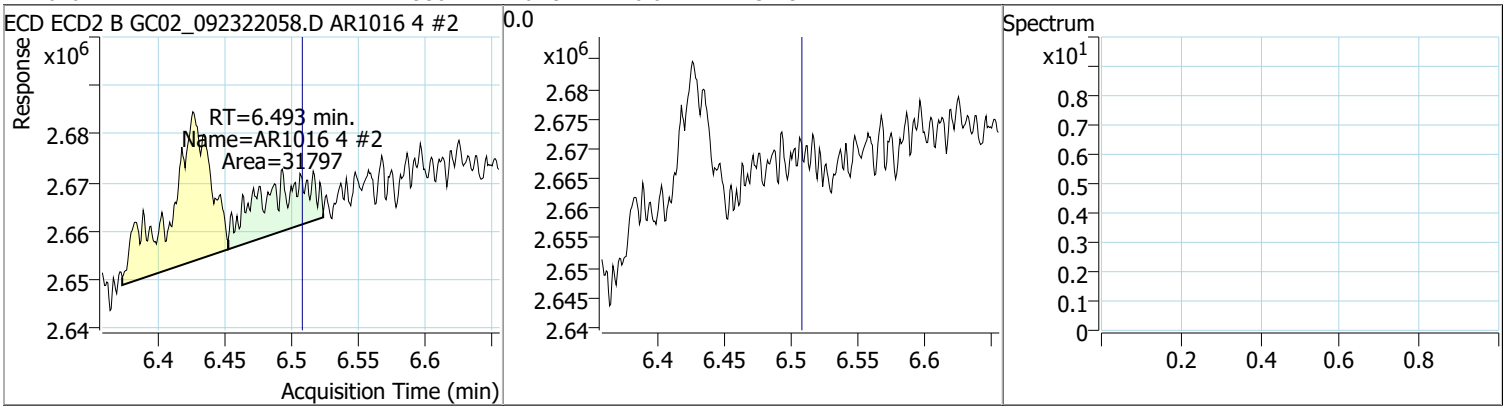
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	6.5053	6.36	0.04	993251				



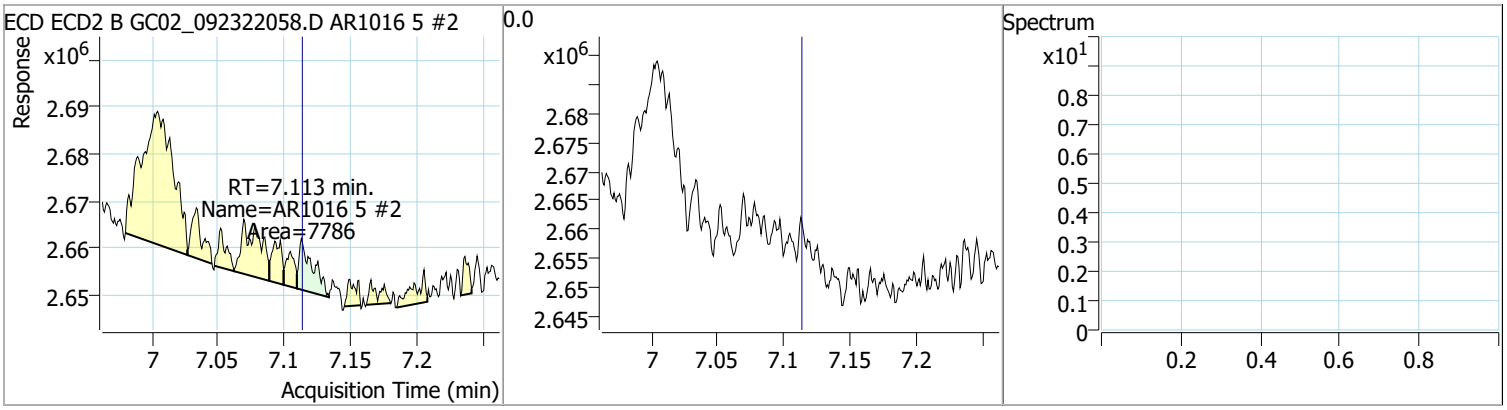
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	220.4361	6.43	0.08	3327869				



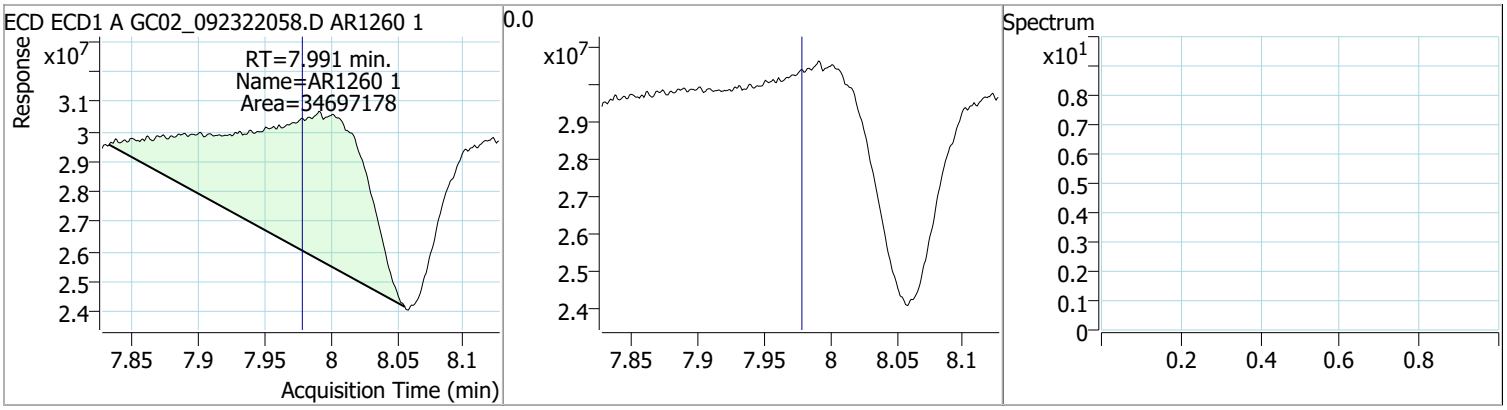
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.9302	6.49	-0.01	31797				



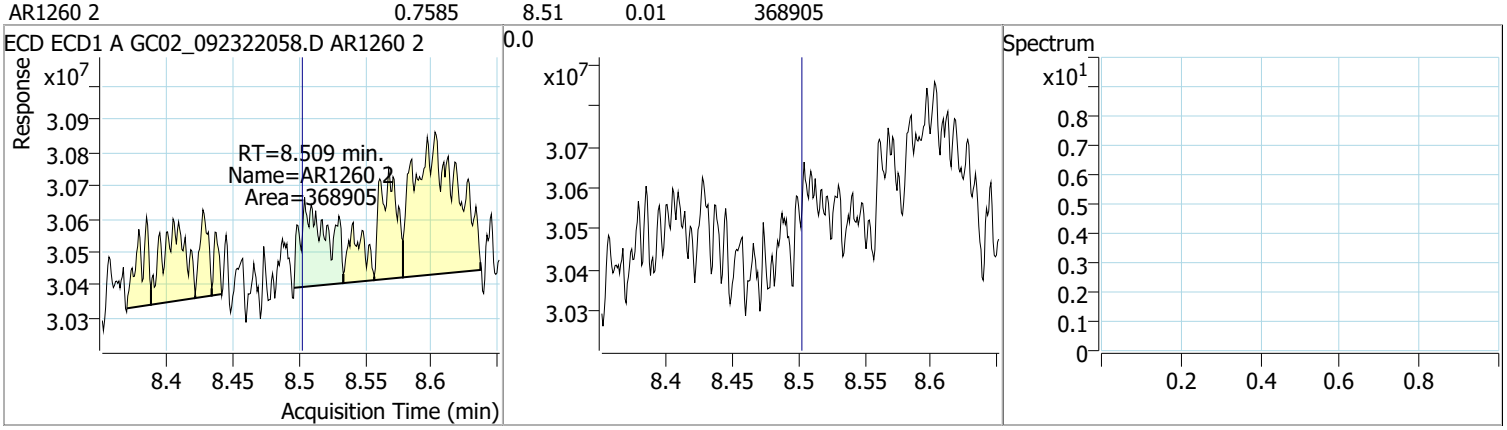
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.8376	7.11	0.00	7786				



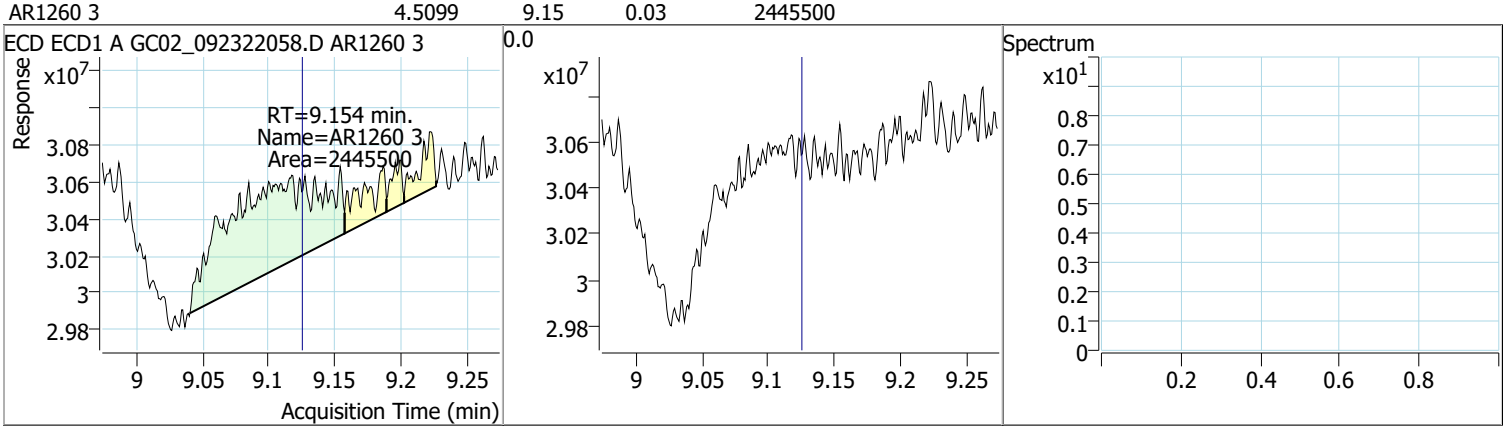
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	115.6165	7.99	0.01	34697178				



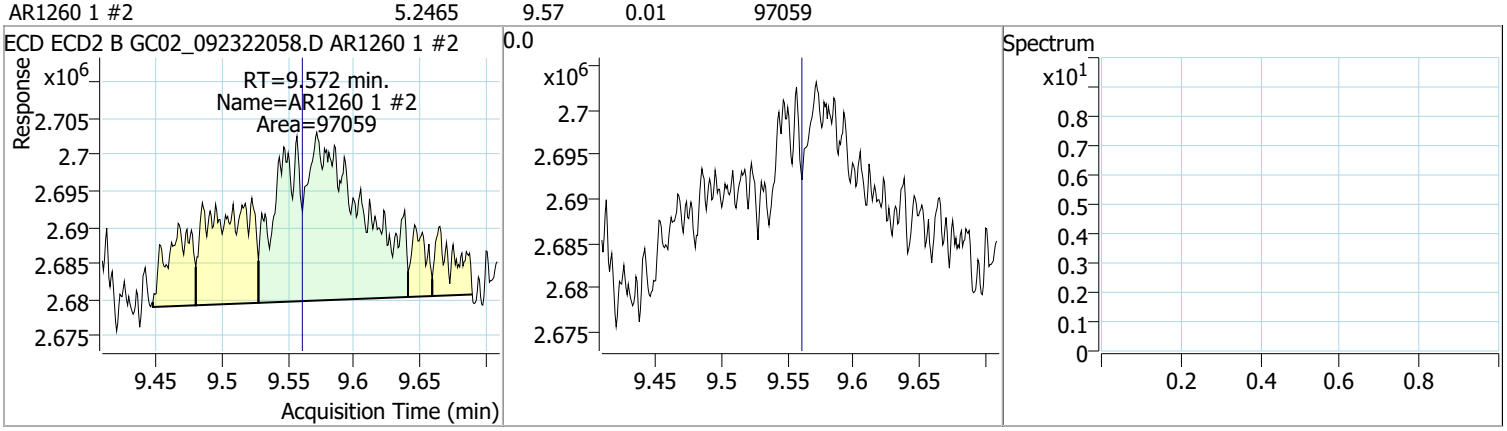
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.7585	8.51	0.01	368905				



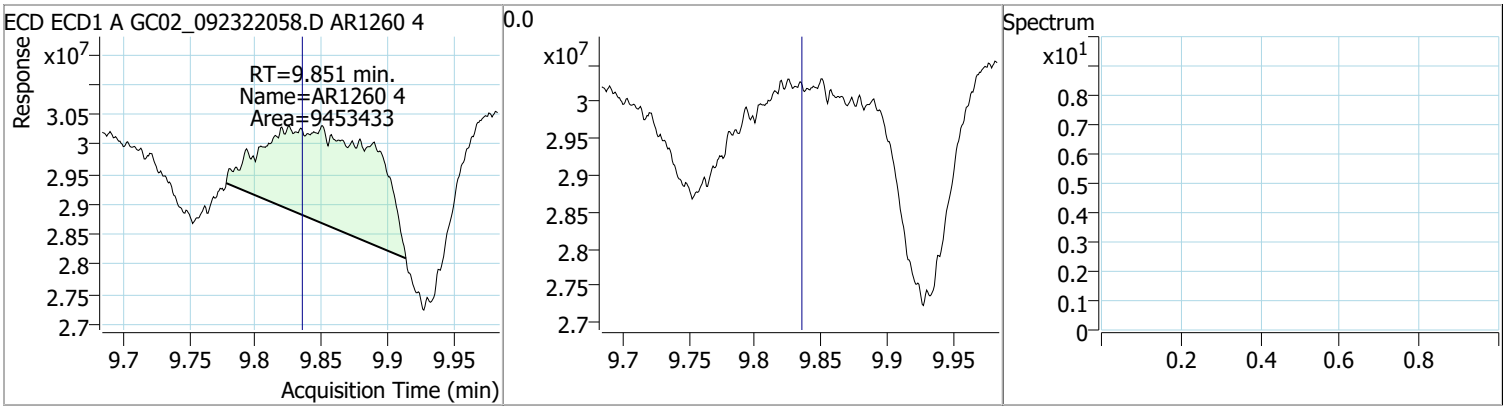
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.5099	9.15	0.03	2445500				



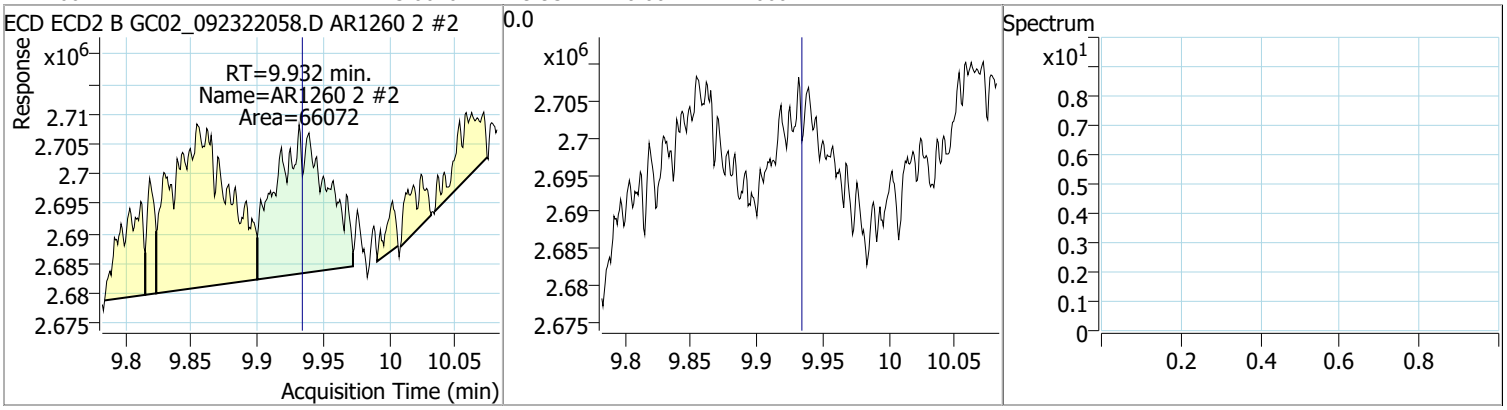
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.2465	9.57	0.01	97059				



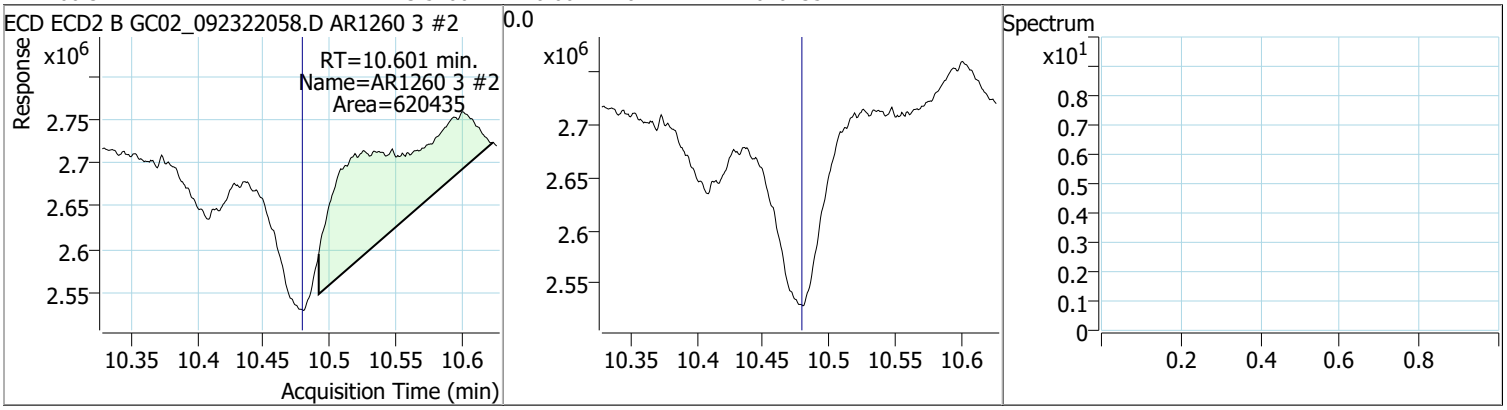
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	31.1749	9.85	0.02	9453433				



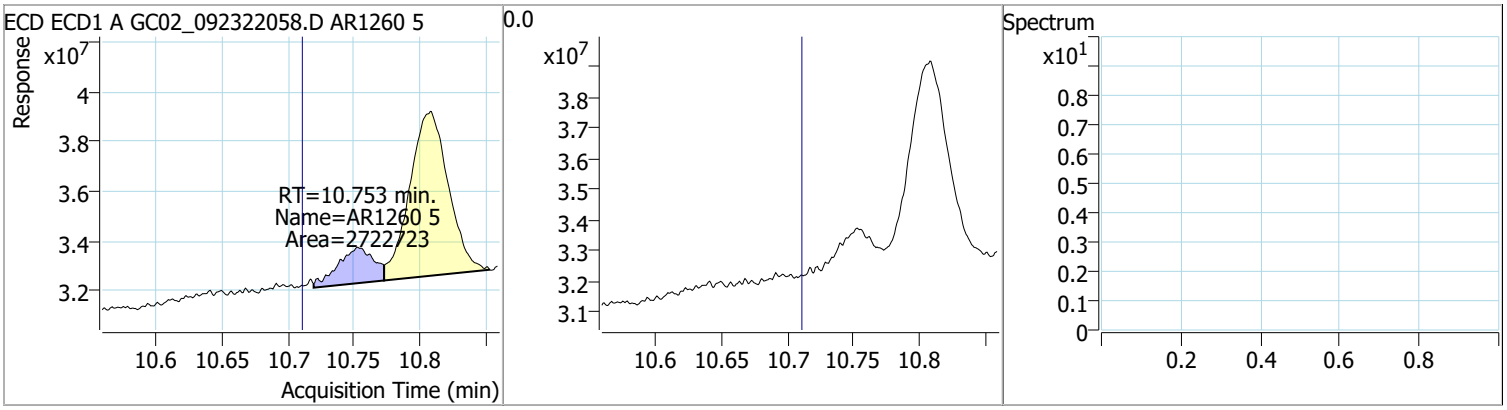
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.0626	9.93	0.00	66072				



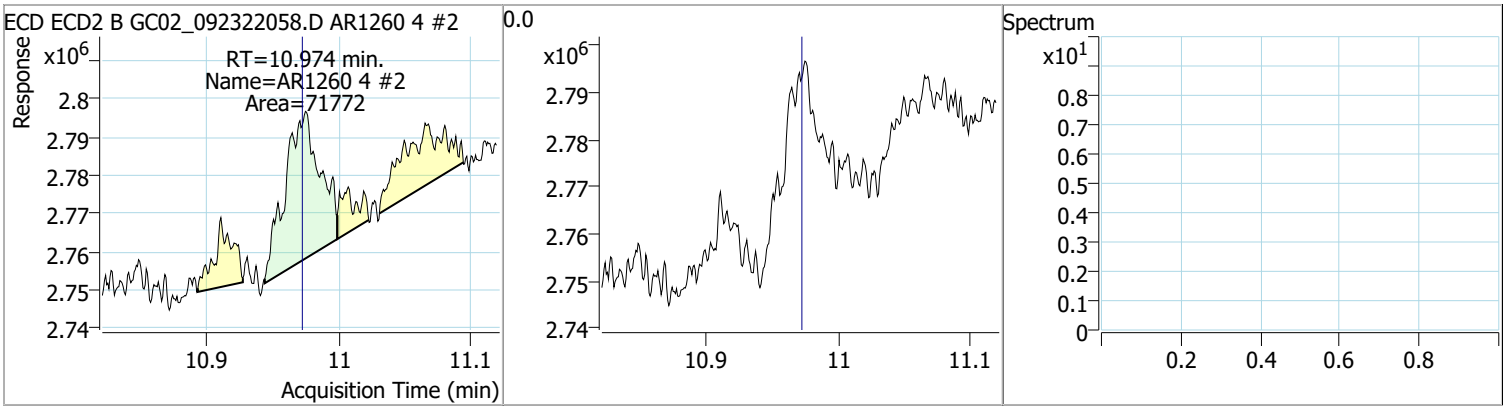
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	23.5100	10.60	0.12	620435				



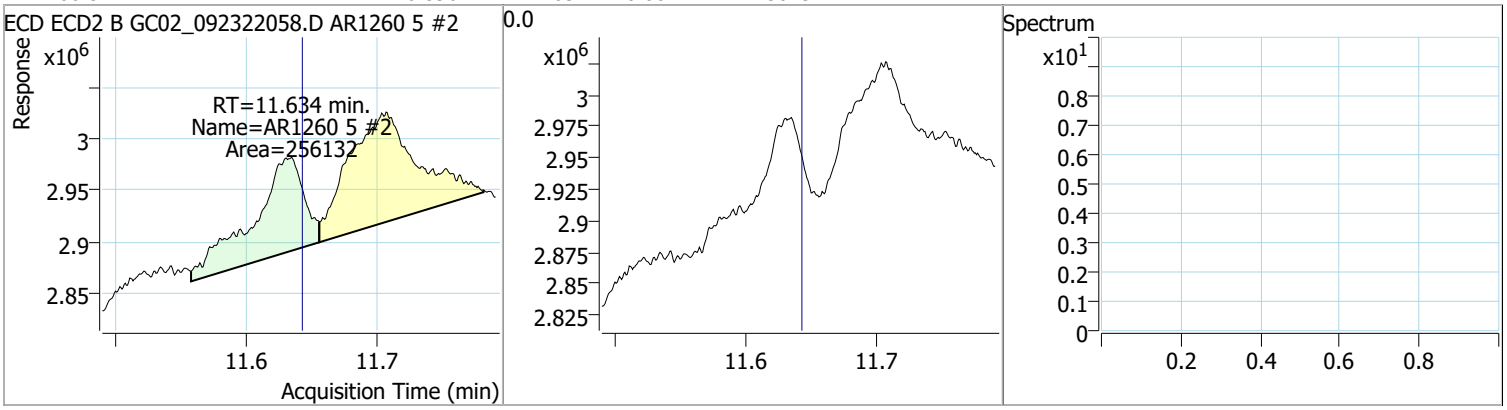
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	6.5451	10.75	0.04	2722723				



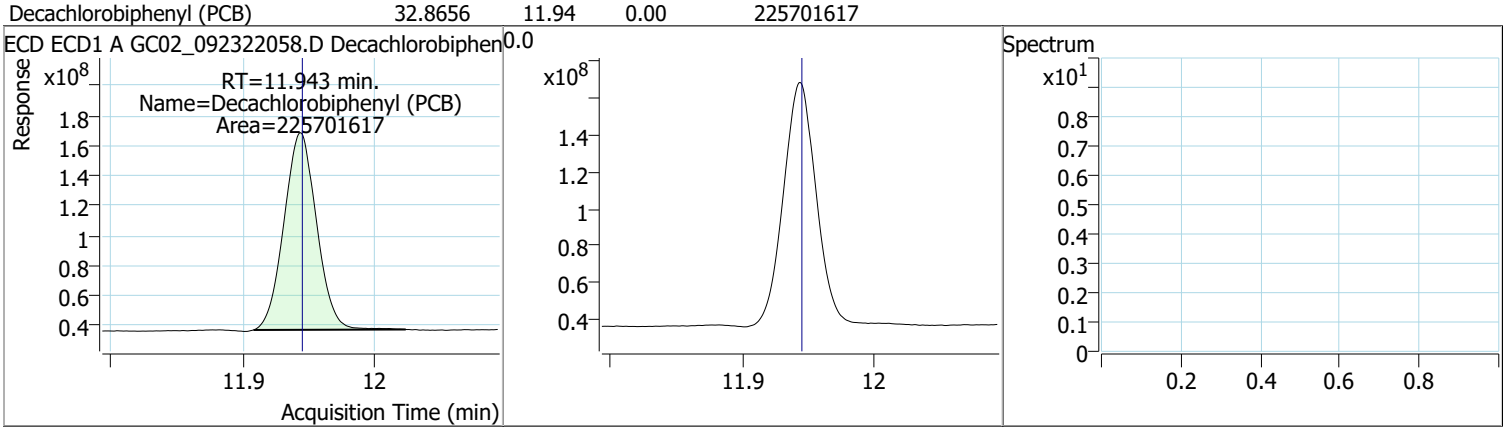
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.4557	10.97	0.01	71772				



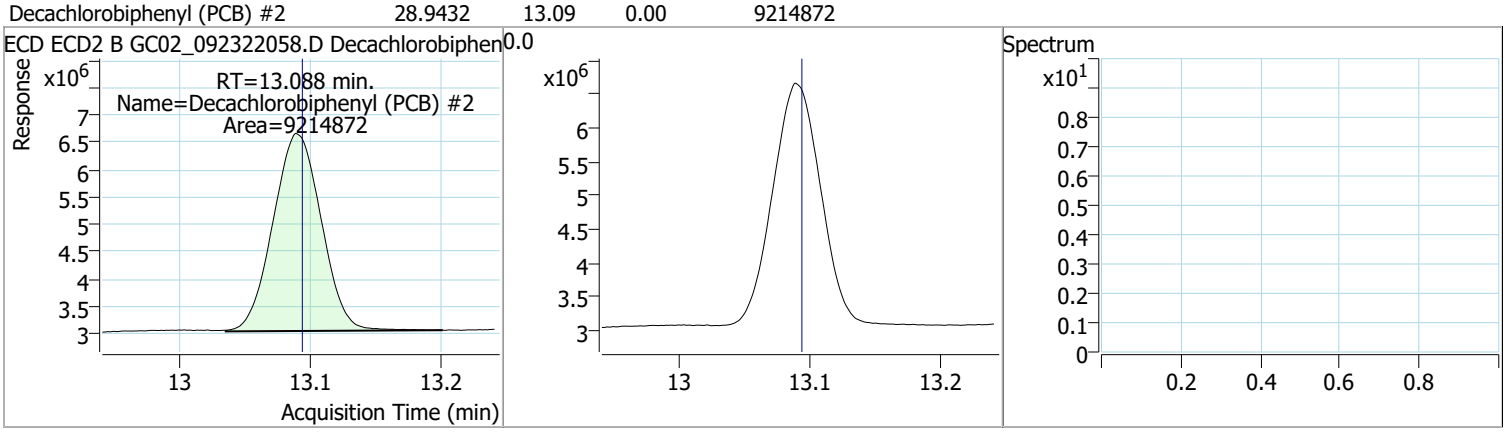
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	10.5964	11.63	0.00	256132				



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)

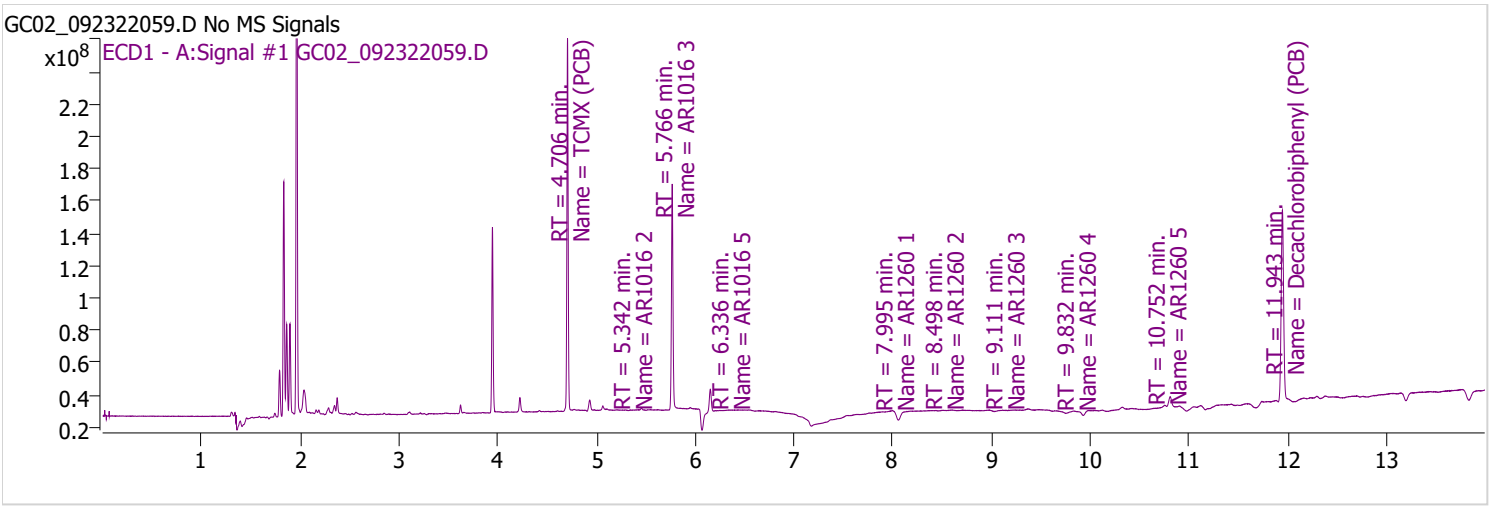
ISTD (CCV gc02_092322-038)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

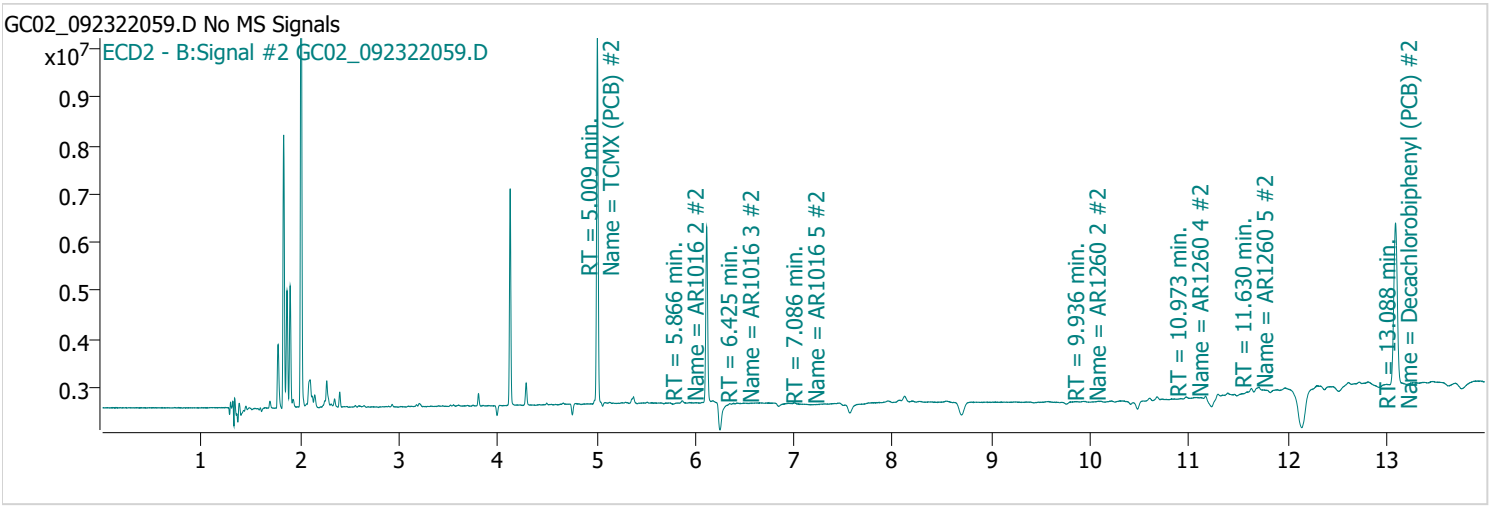
Analyst: TRN 09/26/22

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			



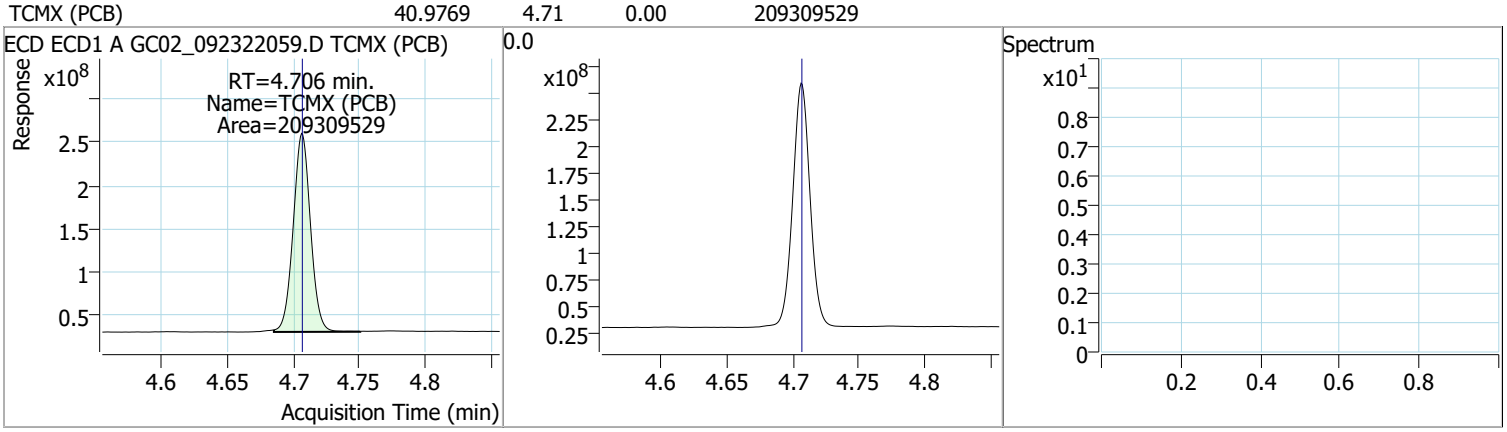


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.947	0.0	105275639.453	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	4593276.570	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	209309529.478	40.9769	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

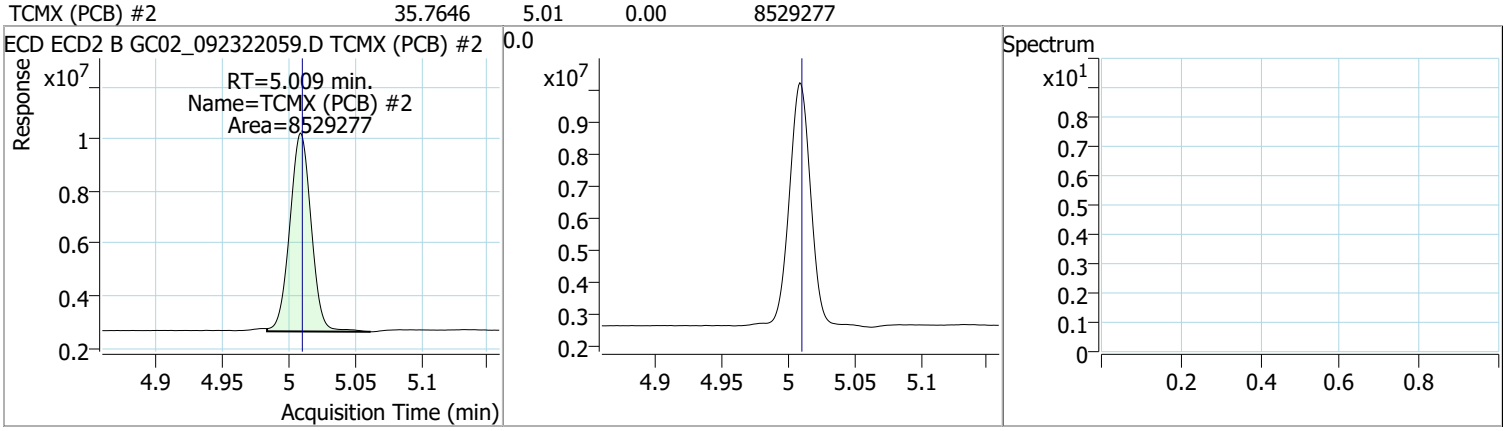
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.064	0.0	4652449.578	60.6319	ng/ml	100
T AR1016 2	5.342	0.0	226110.474	1.3668	ng/ml	100
T AR1016 1 #2	5.474	0.0	29603.623	5.3911	ng/ml	100
T AR1016 3	5.766	0.0	150138251.651	588.1011	ng/ml	100
T AR1016 2 #2	5.866	0.0	158919.608	13.7690	ng/ml	100
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

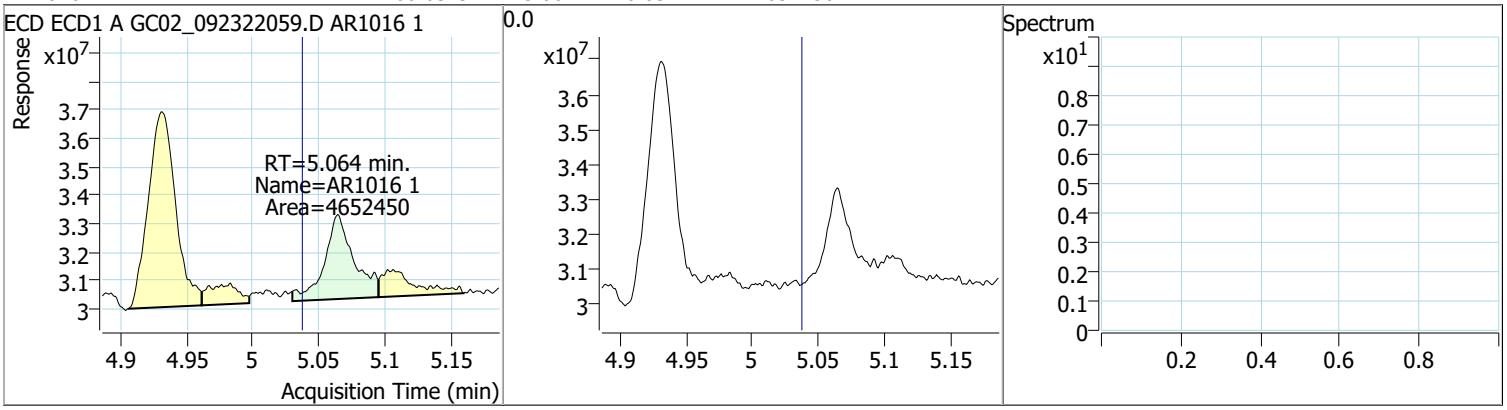
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.9769	4.71	0.00	209309529				



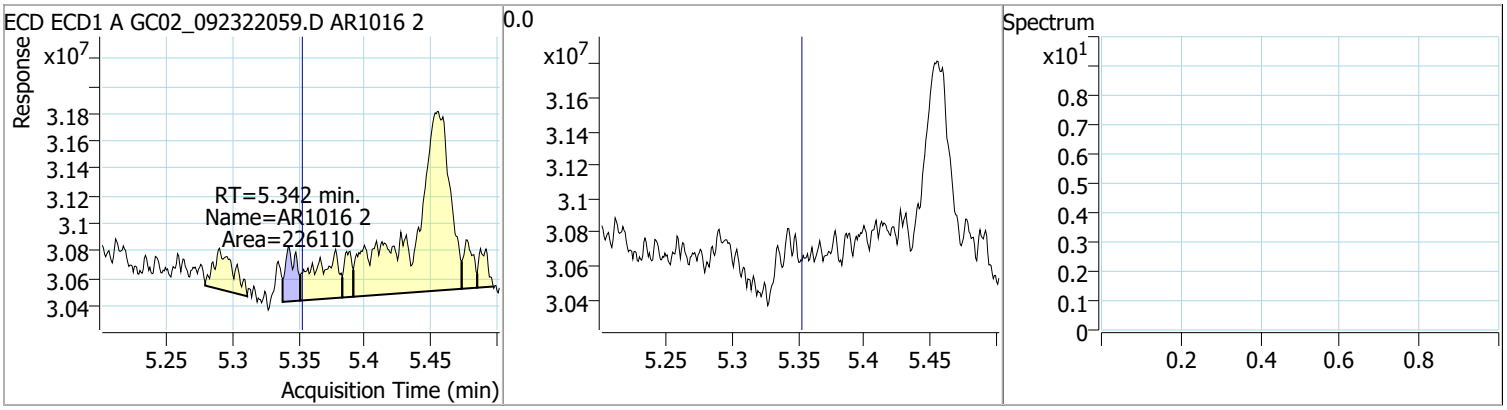
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.7646	5.01	0.00	8529277				



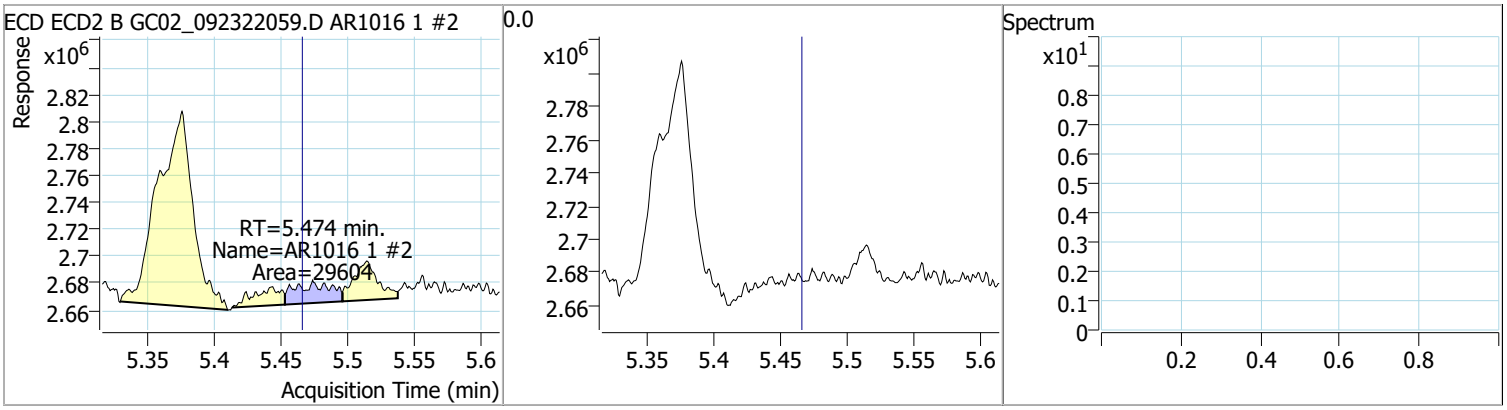
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	60.6319	5.06	0.03	4652450				



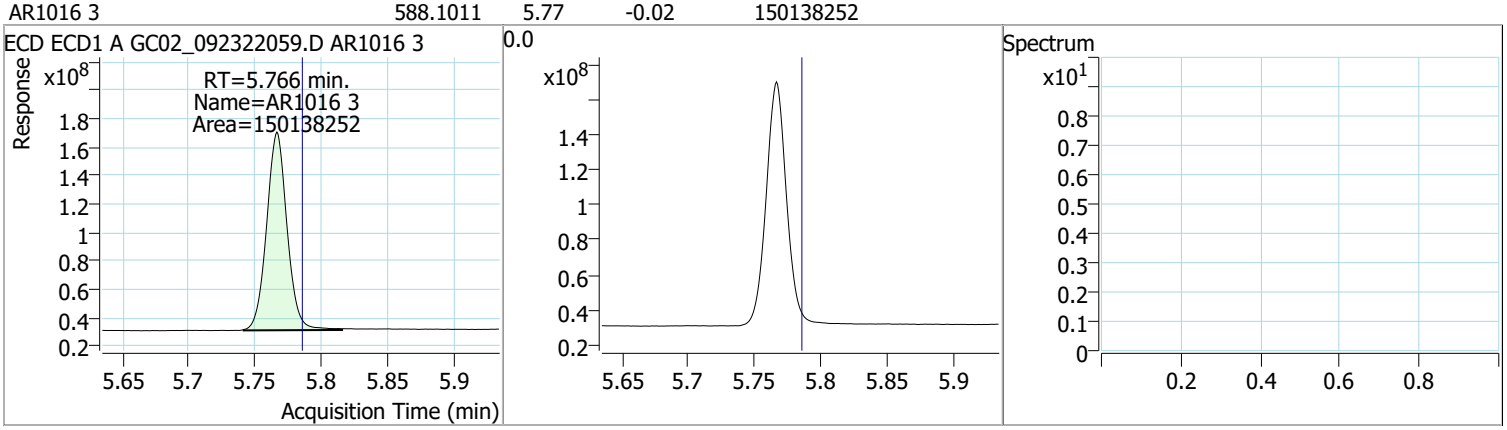
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.3668	5.34	-0.01	226110				



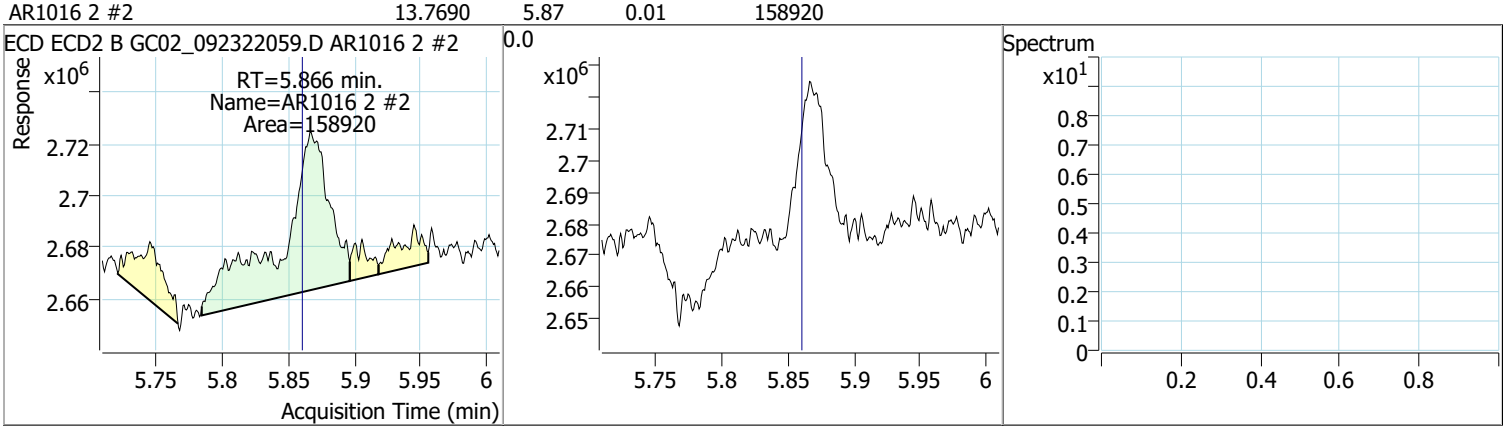
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.3911	5.47	0.01	29604				



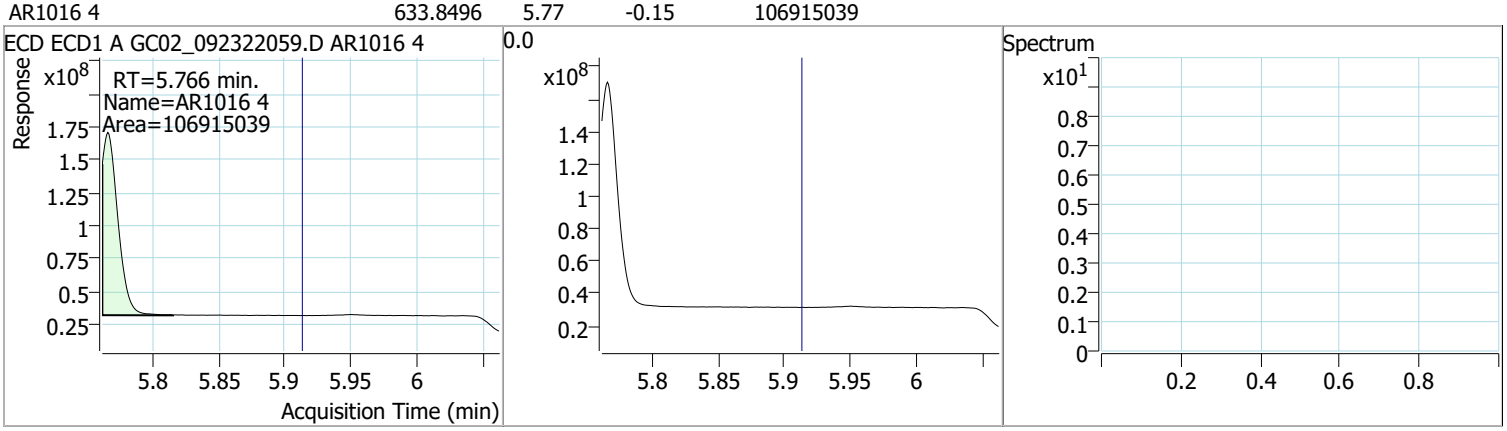
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	588.1011	5.77	-0.02	150138252				



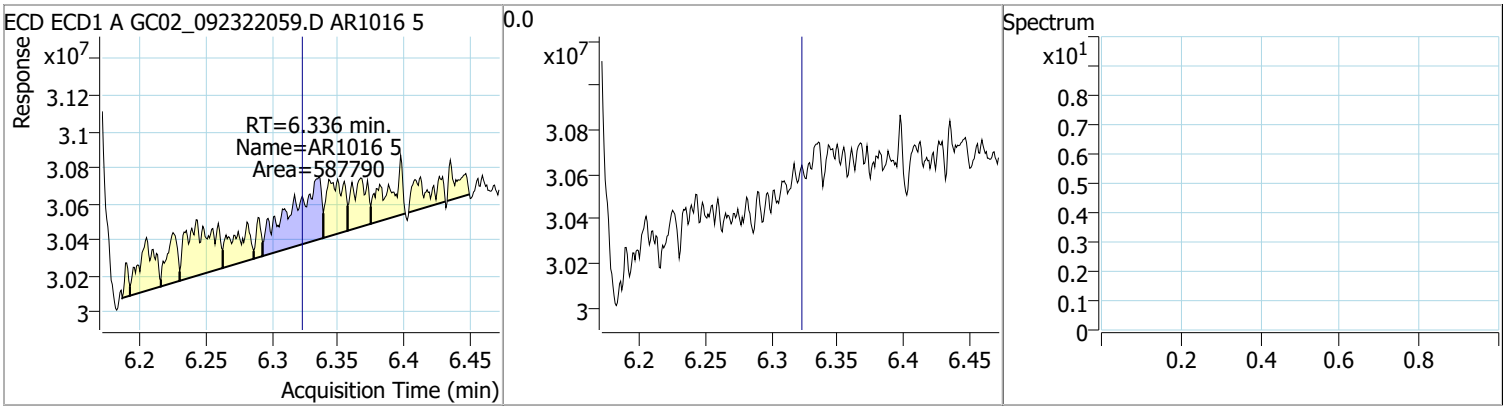
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	13.7690	5.87	0.01	158920				



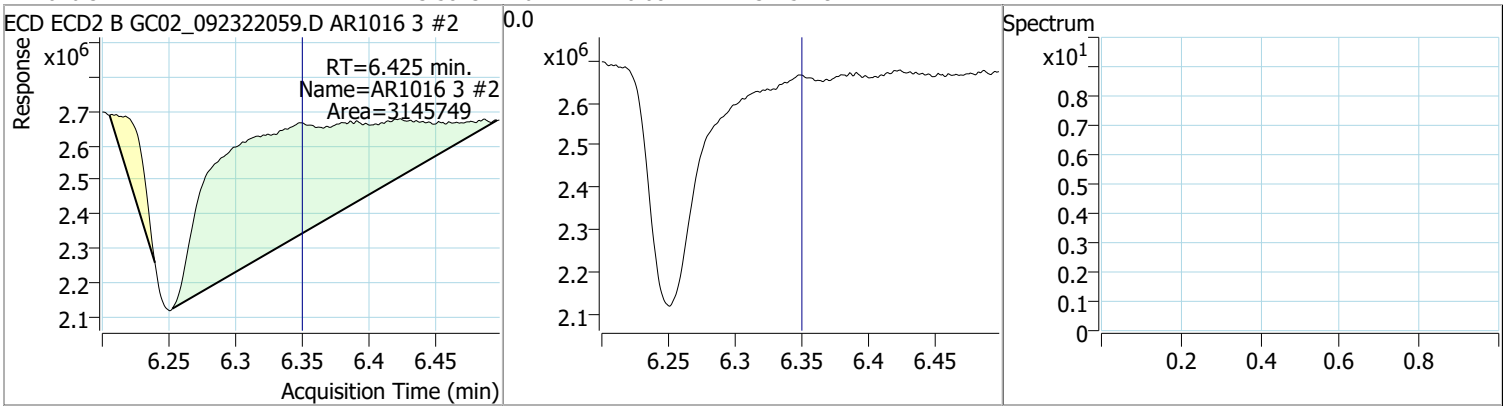
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	633.8496	5.77	-0.15	106915039				



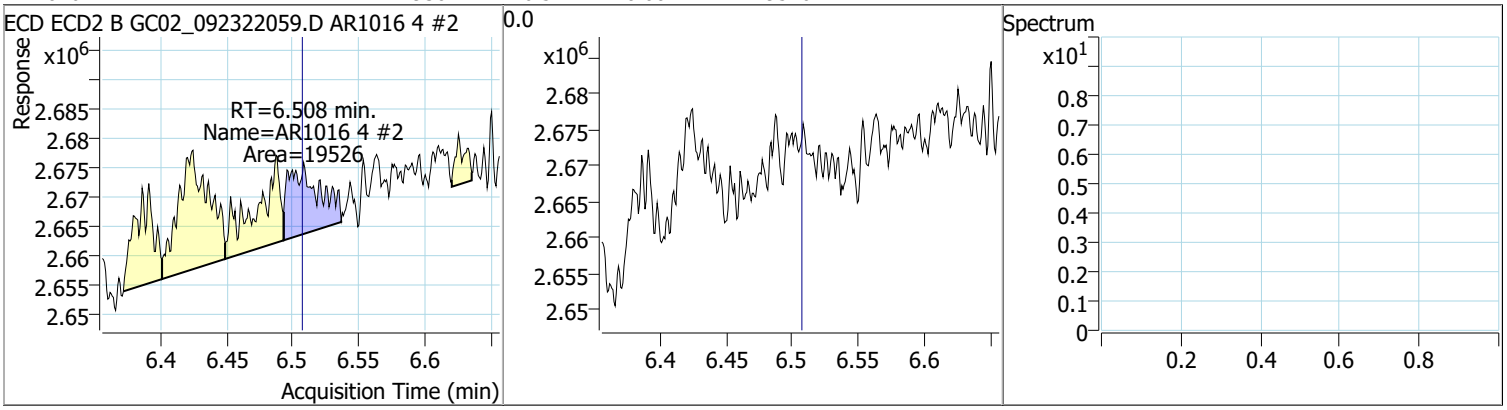
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	4.3303	6.34	0.01	587790				



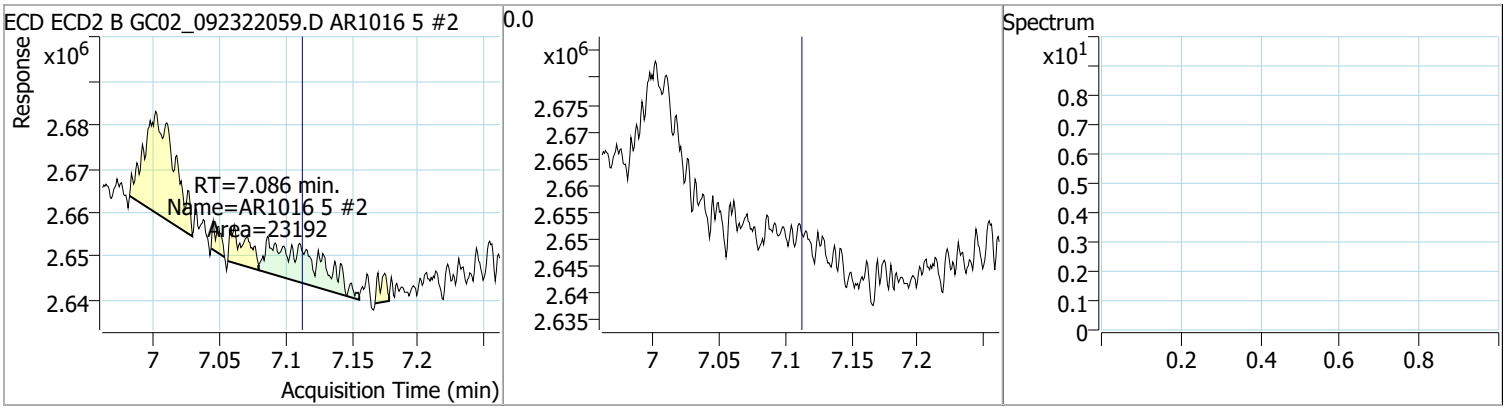
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	223.5873	6.42	0.08	3145749				



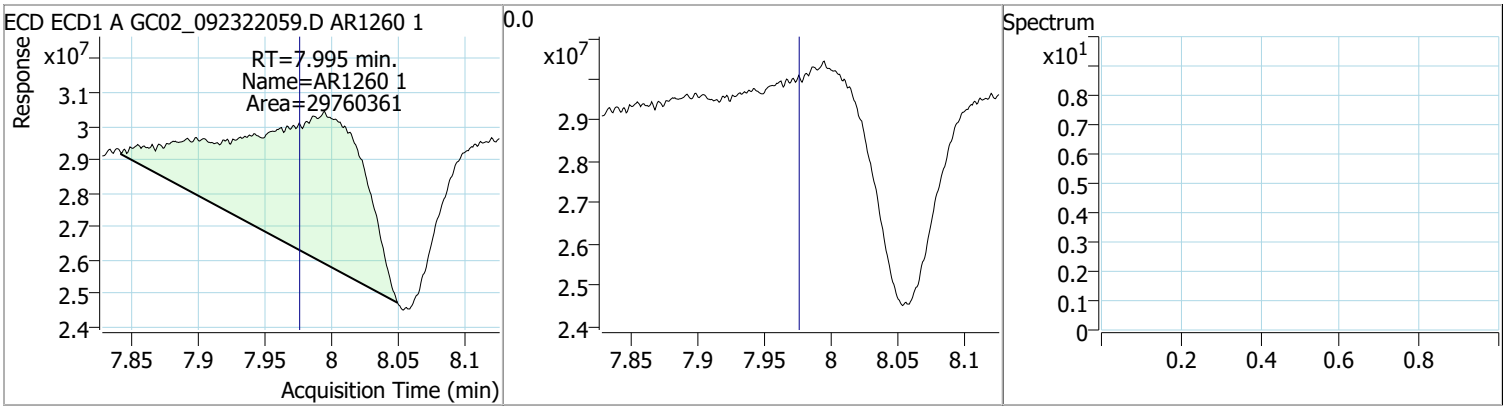
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.9307	6.51	0.00	19526				



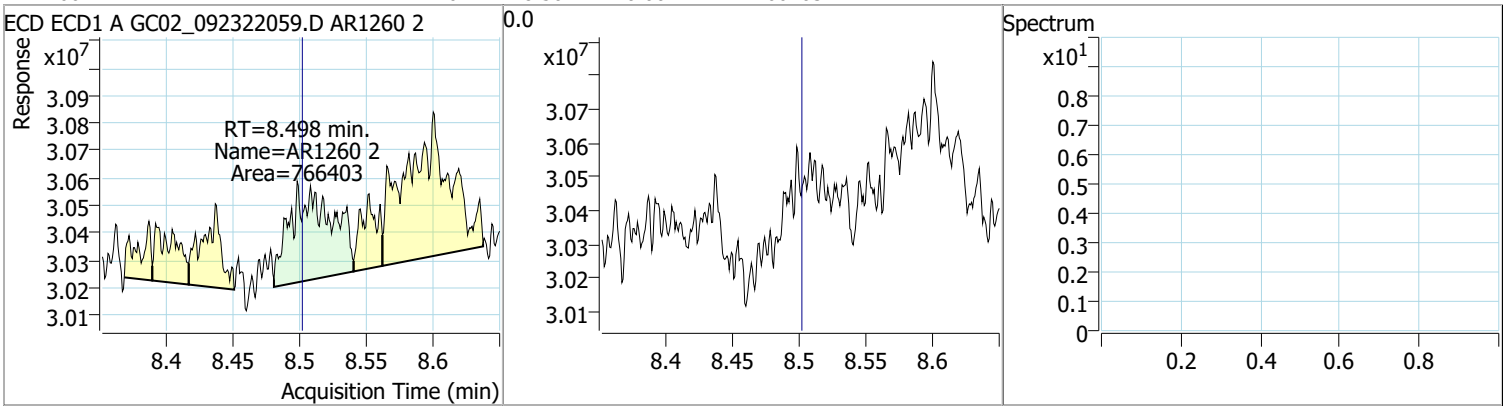
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.6772	7.09	-0.02	23192				



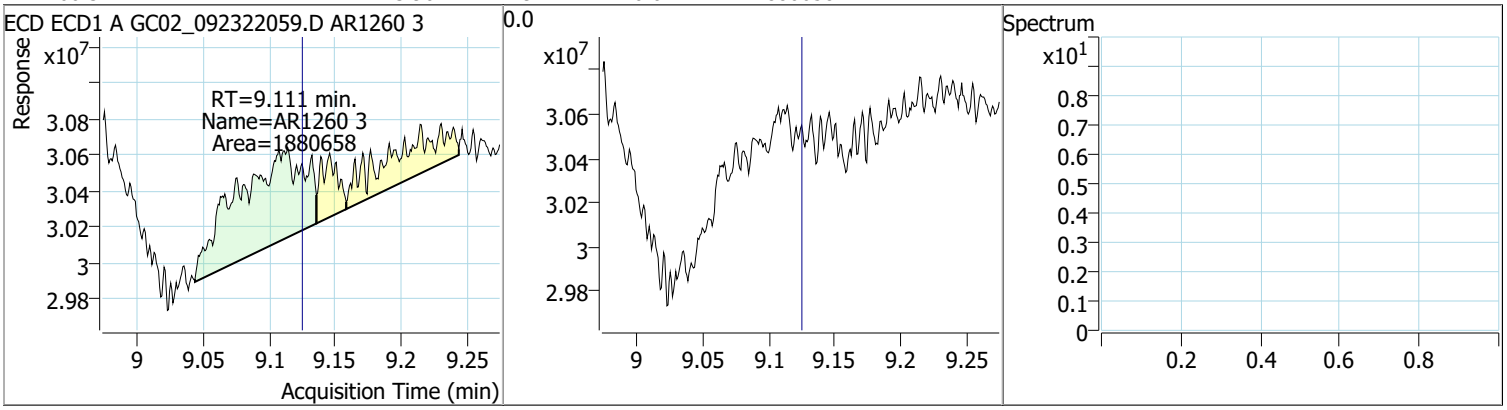
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	111.5447	7.99	0.02	29760361				



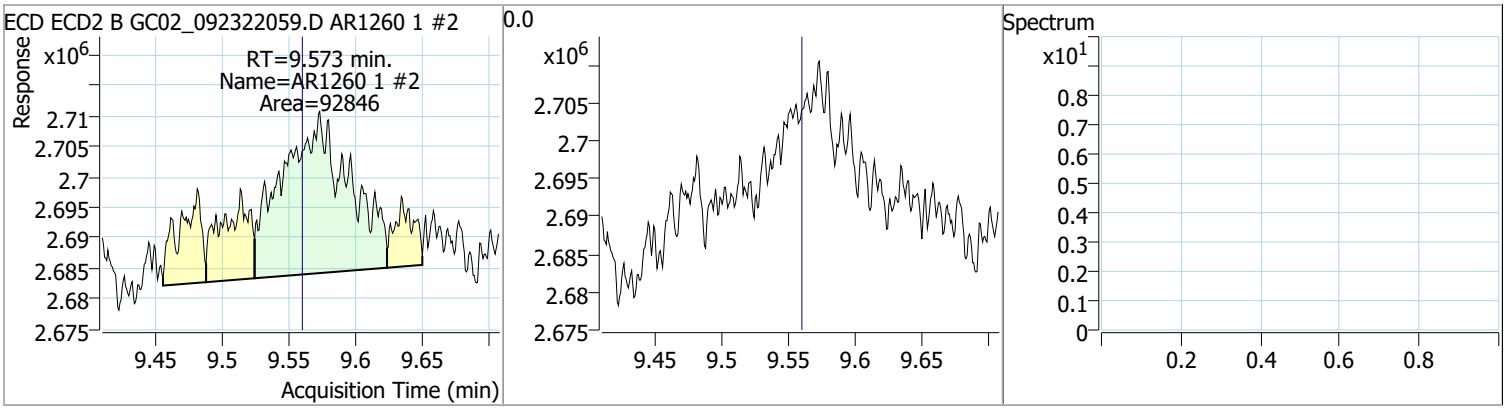
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.7726	8.50	0.00	766403				



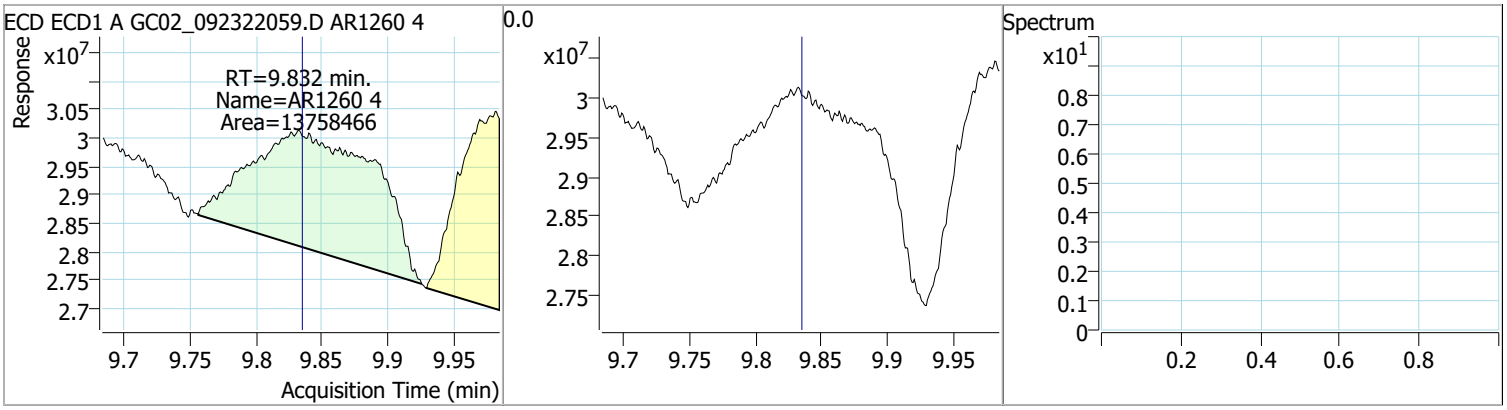
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	3.9011	9.11	-0.01	1880658				



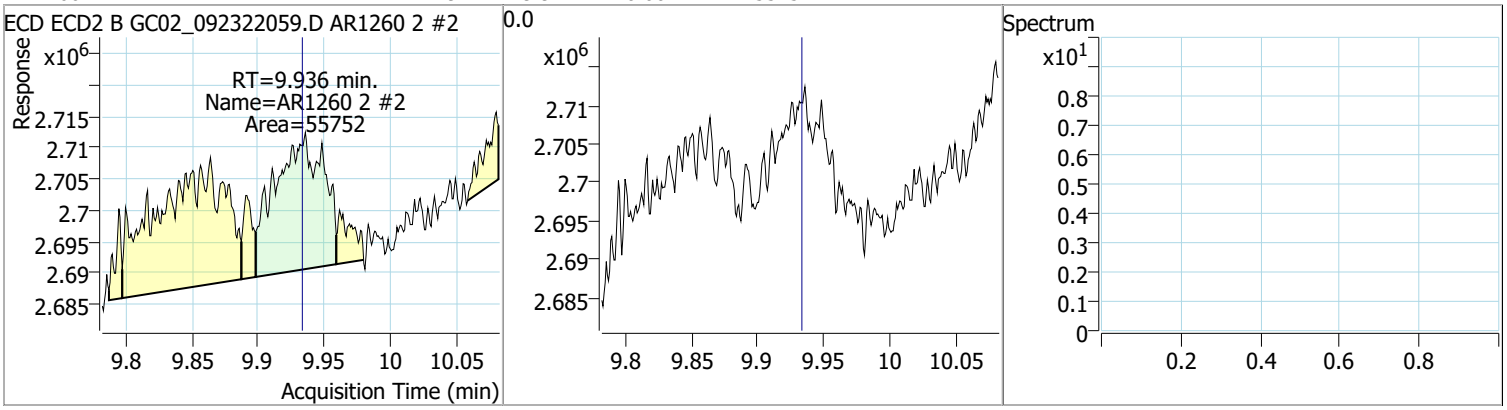
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.3852	9.57	0.02	92846				



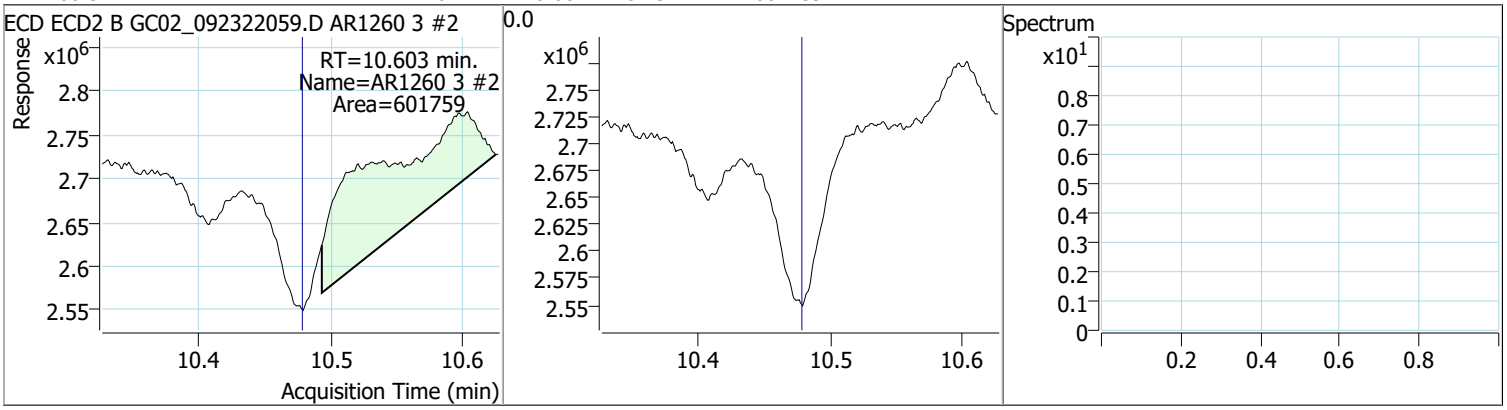
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	51.0352	9.83	0.00	13758466				



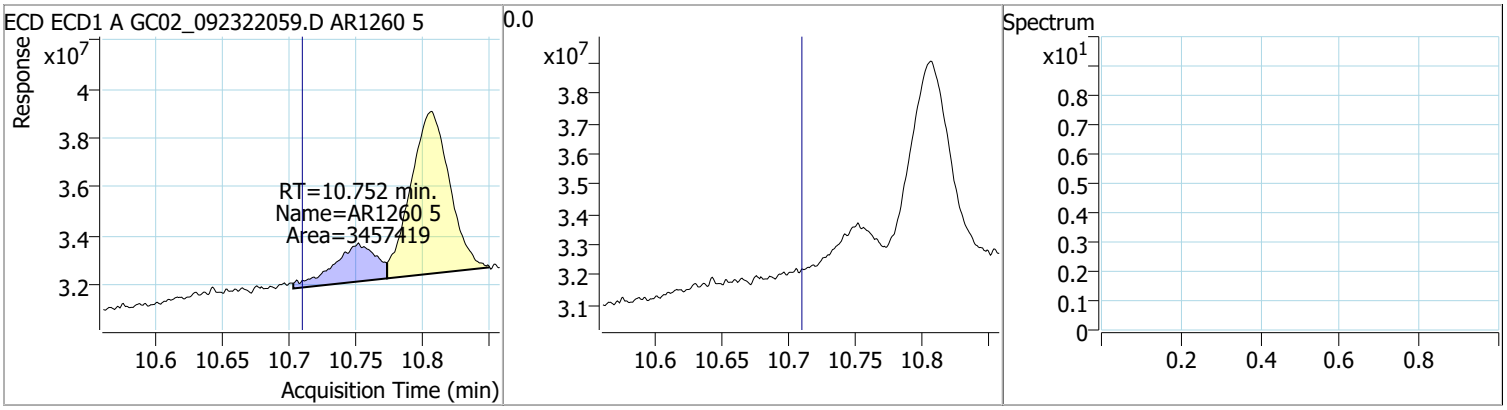
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.7729	9.94	0.00	55752				



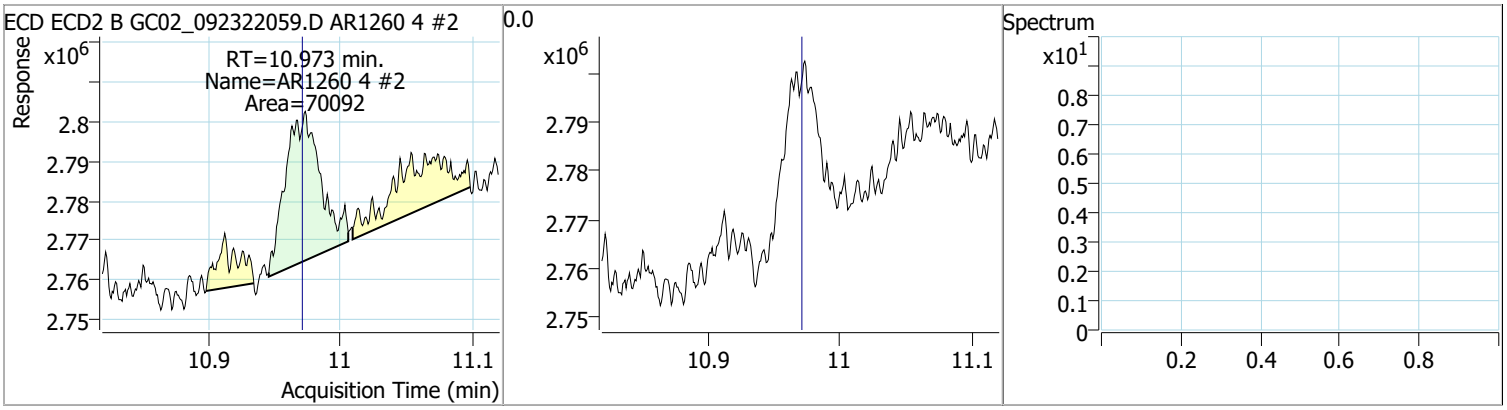
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	24.4672	10.60	0.13	601759				



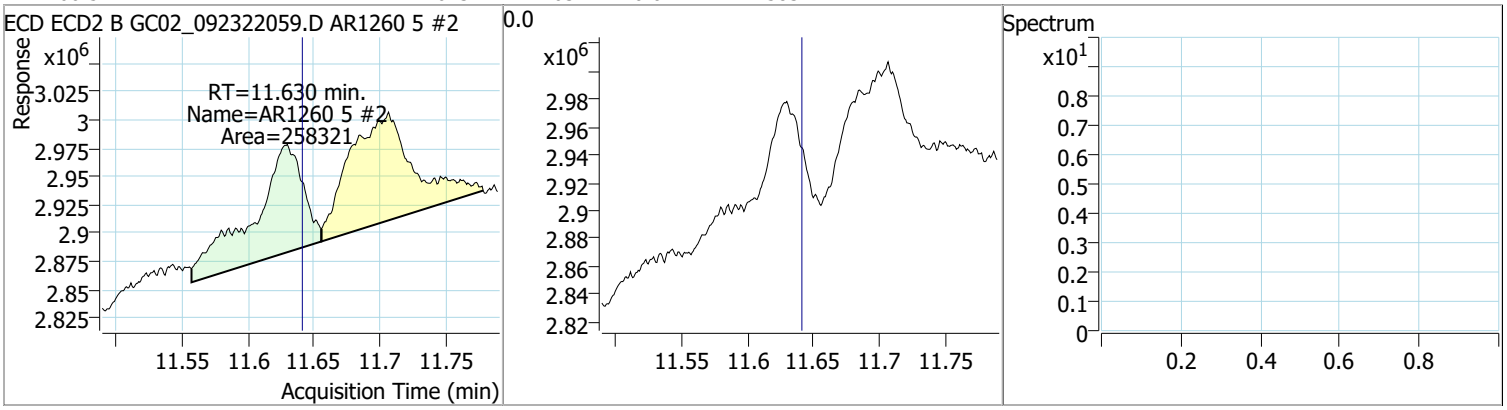
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	9.3486	10.75	0.04	3457419				



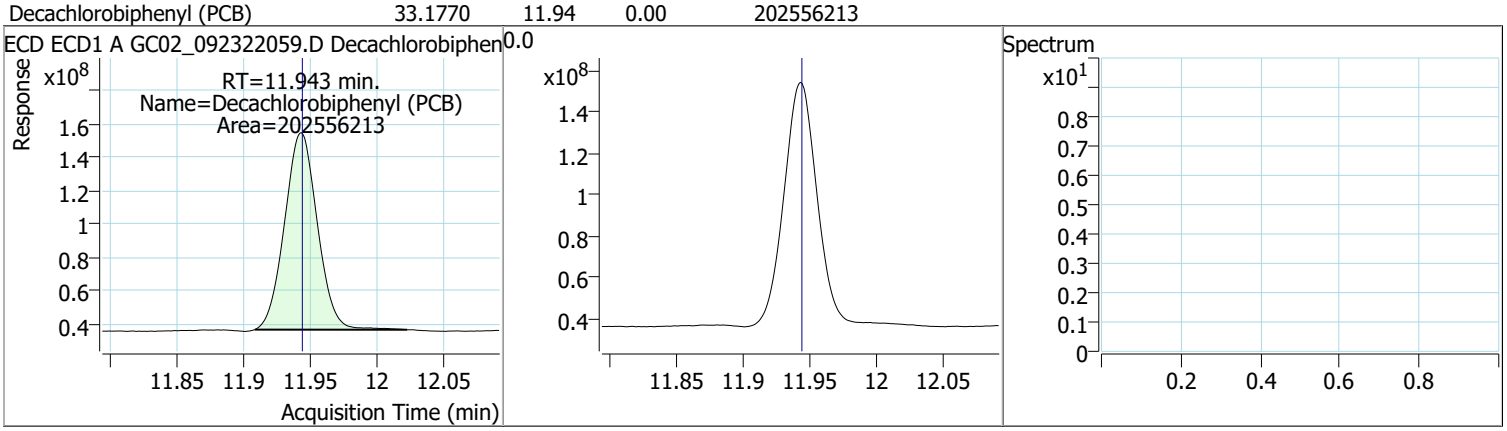
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	4.6691	10.97	0.00	70092				



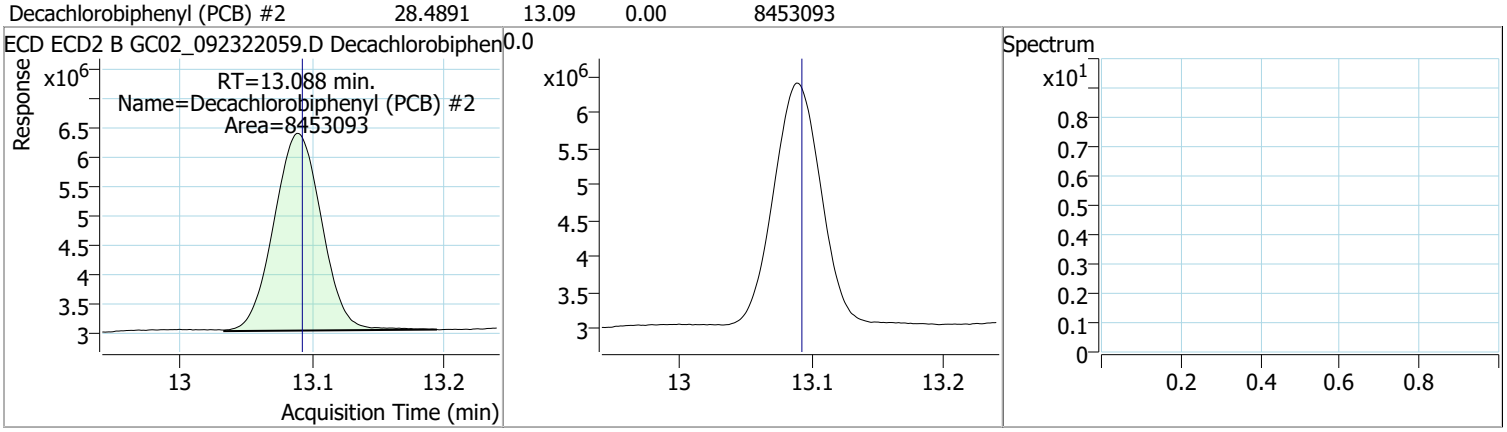
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	11.4673	11.63	-0.01	258321				



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)

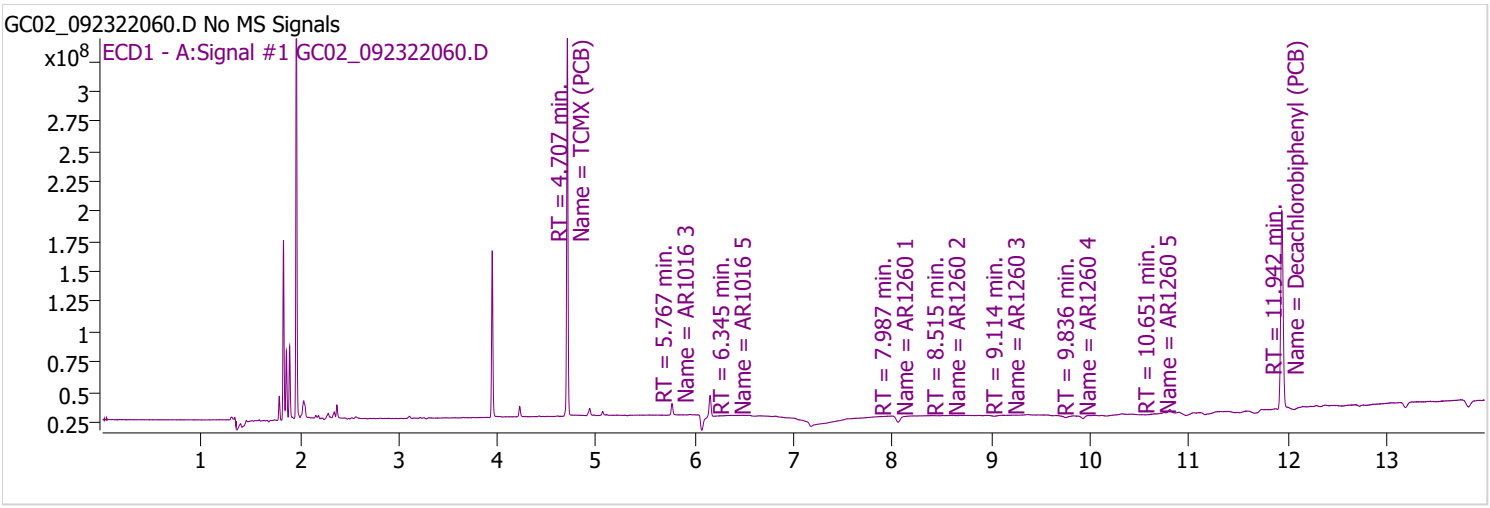
ISTD (CCV gc02_092322-038)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

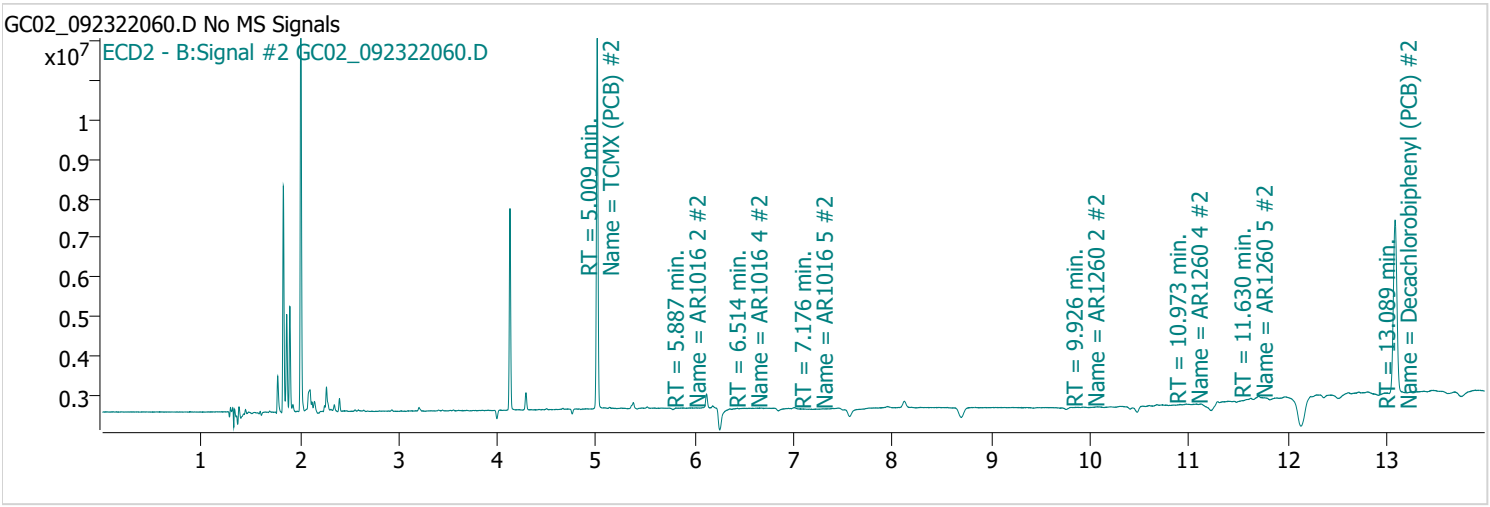
Analyst: TRN 09/26/22

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			



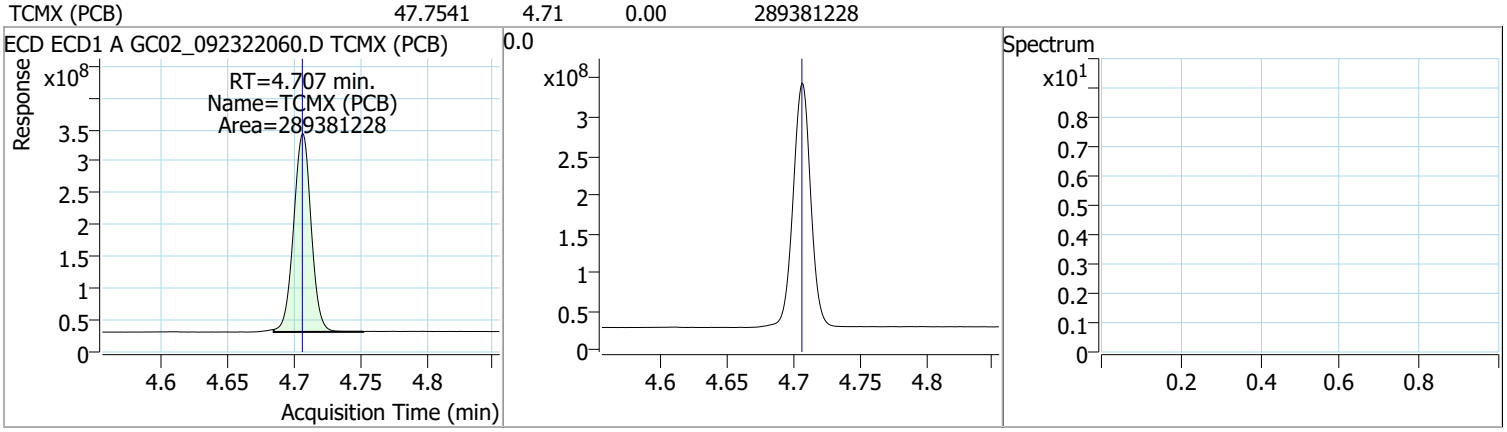


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.947	0.0	124892766.030	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	5212470.168	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.707	0.0	289381227.605	47.7541	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

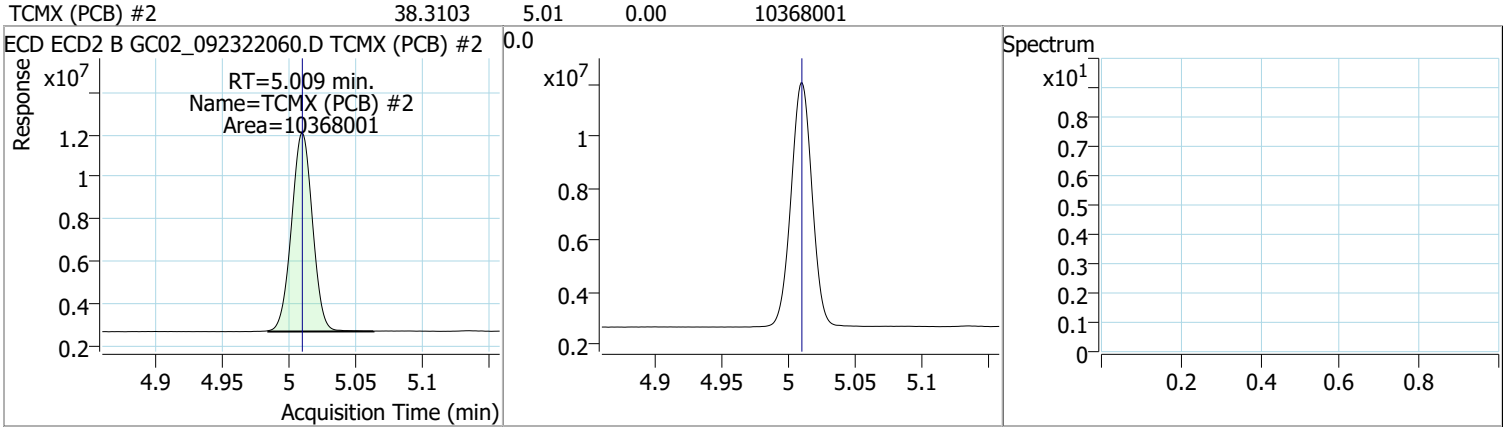
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.065	0.0	4091043.087	44.9411	ng/ml	100
T AR1016 2	5.362	0.0	326581.910	1.6641	ng/ml	100
T AR1016 1 #2	5.460	0.0	55422.966	8.8940	ng/ml	100
T AR1016 3	5.767	0.0	12092275.892	39.9263	ng/ml	100
T AR1016 2 #2	5.887	0.0	155144.982	11.8452	ng/ml	100
T 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

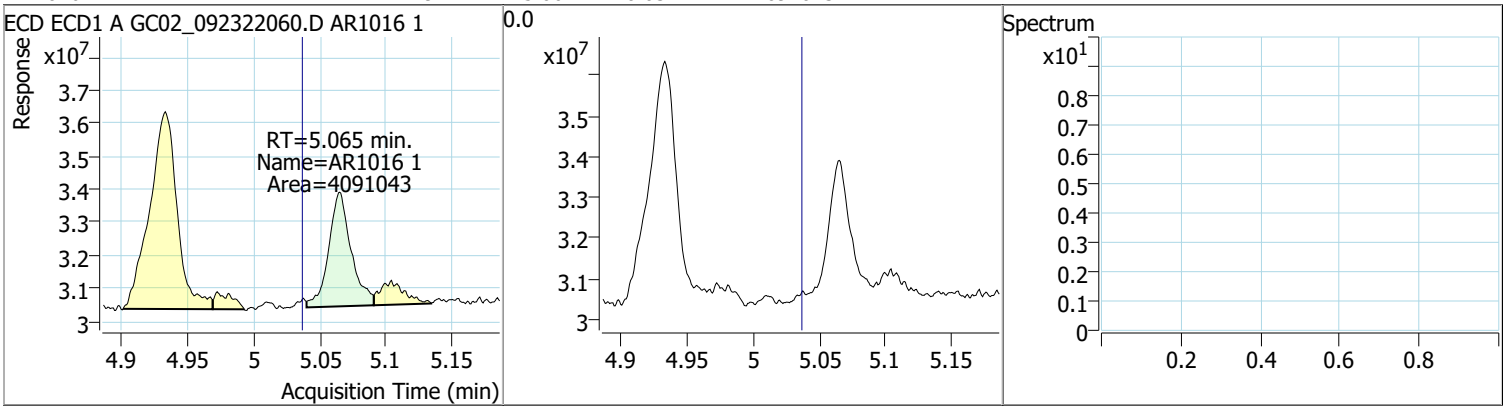
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	47.7541	4.71	0.00	289381228				



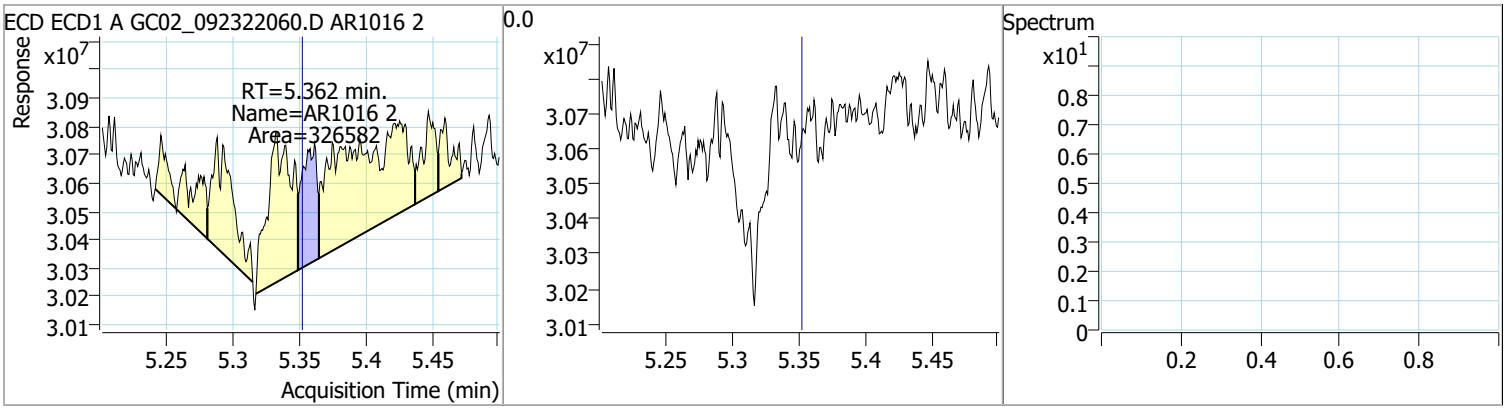
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.3103	5.01	0.00	10368001				



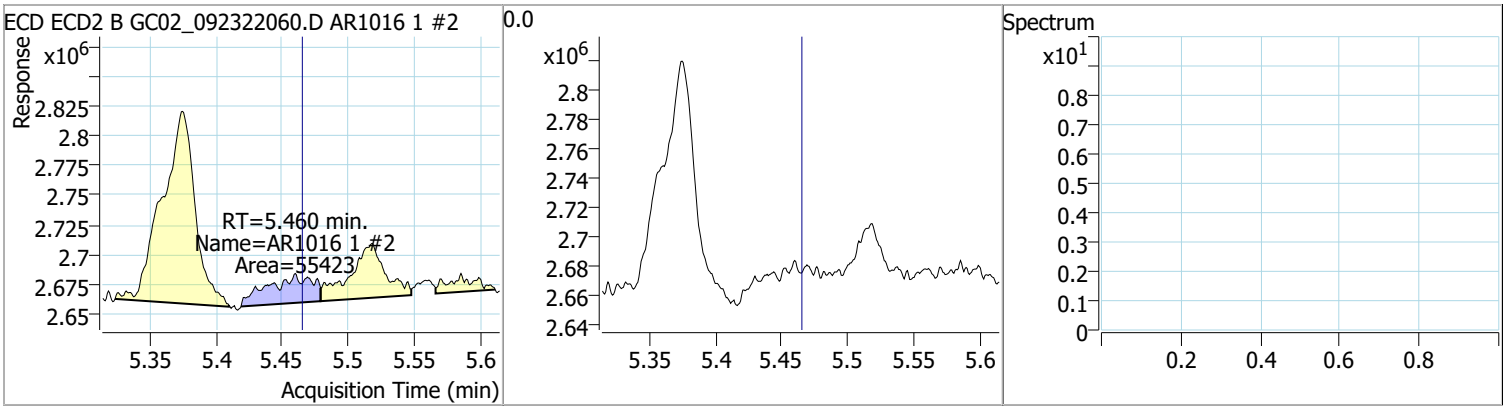
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	44.9411	5.06	0.03	4091043				



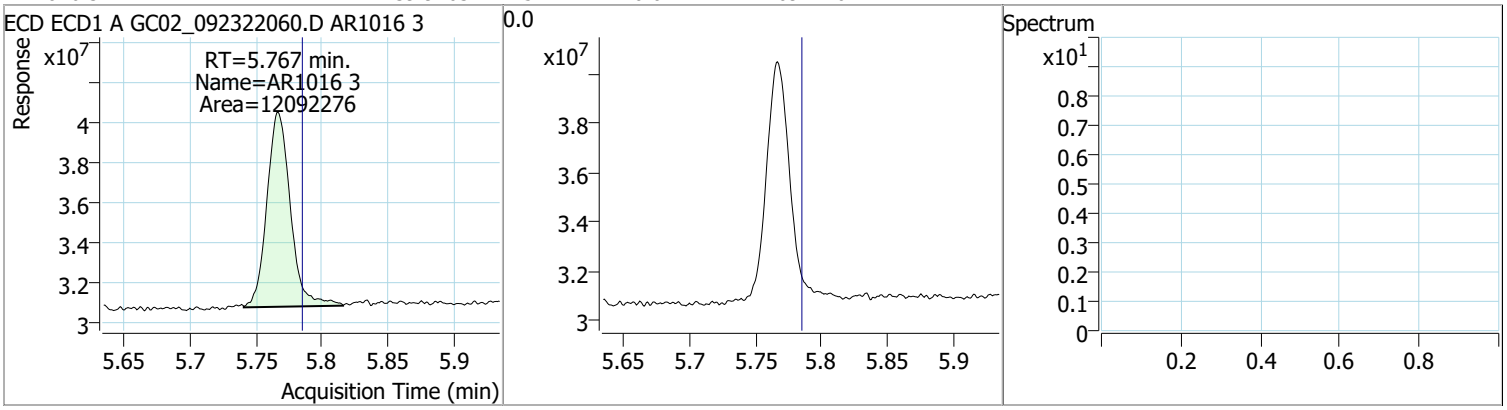
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.6641	5.36	0.01	326582				



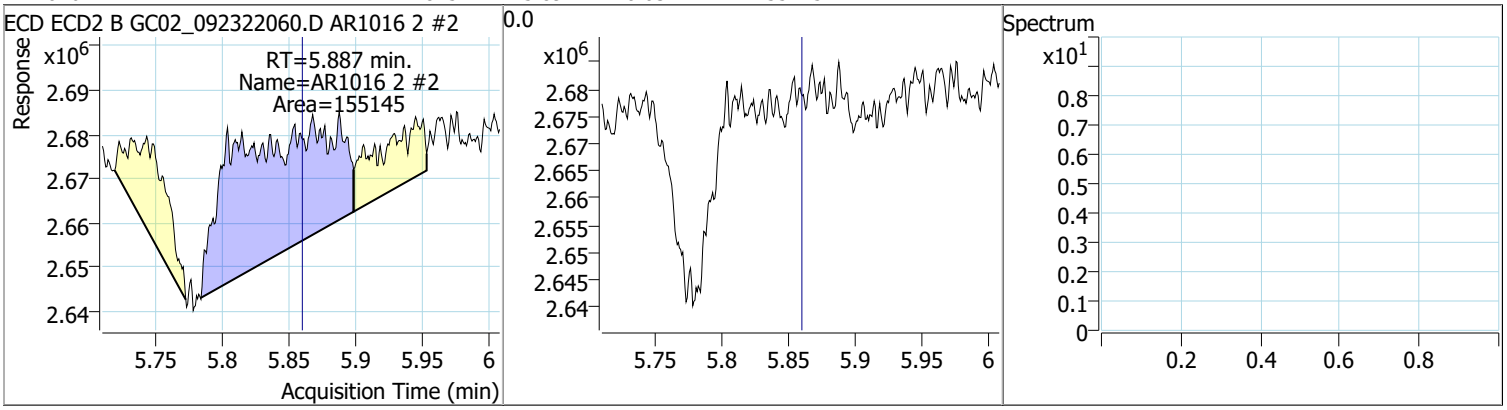
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	8.8940	5.46	0.00	55423				



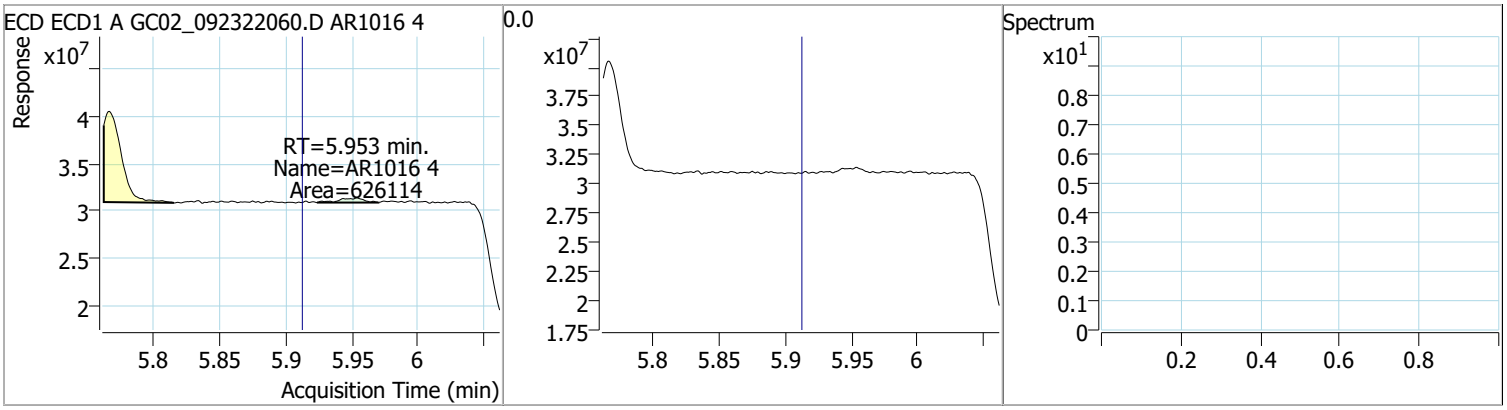
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	39.9263	5.77	-0.02	12092276				



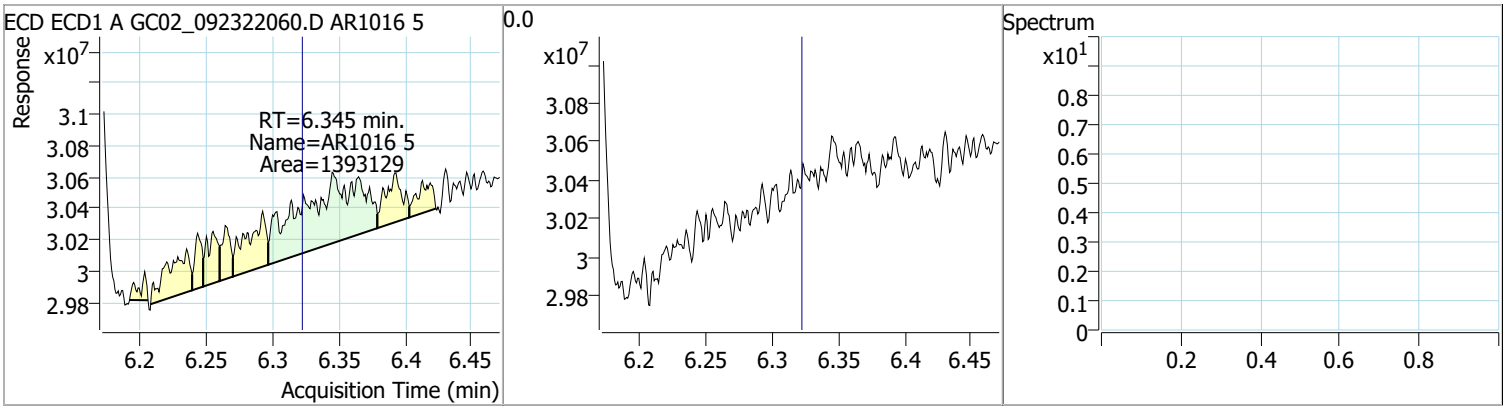
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	11.8452	5.89	0.03	155145				



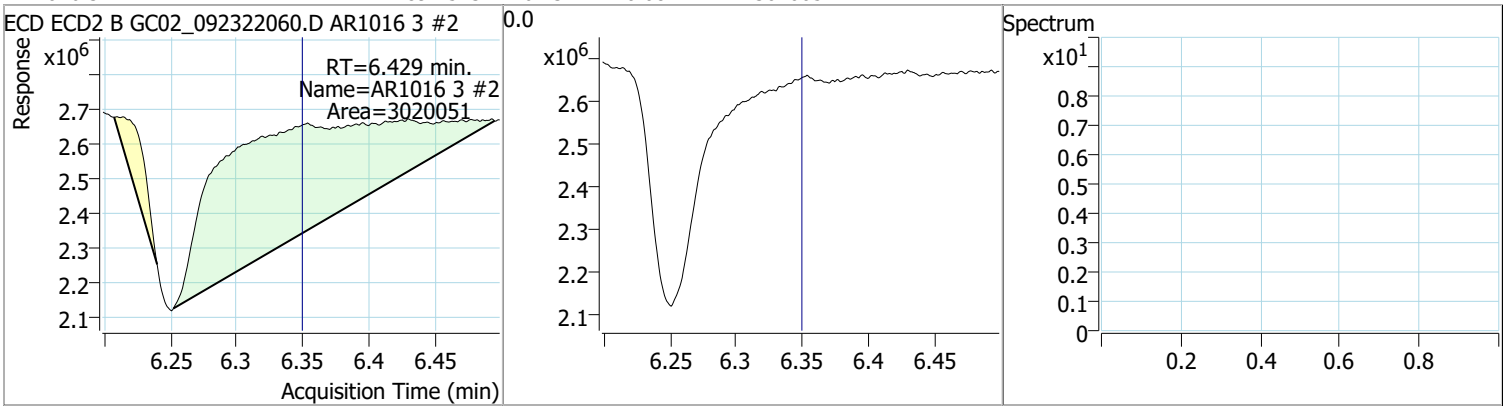
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	3.1289	5.95	0.04	626114				



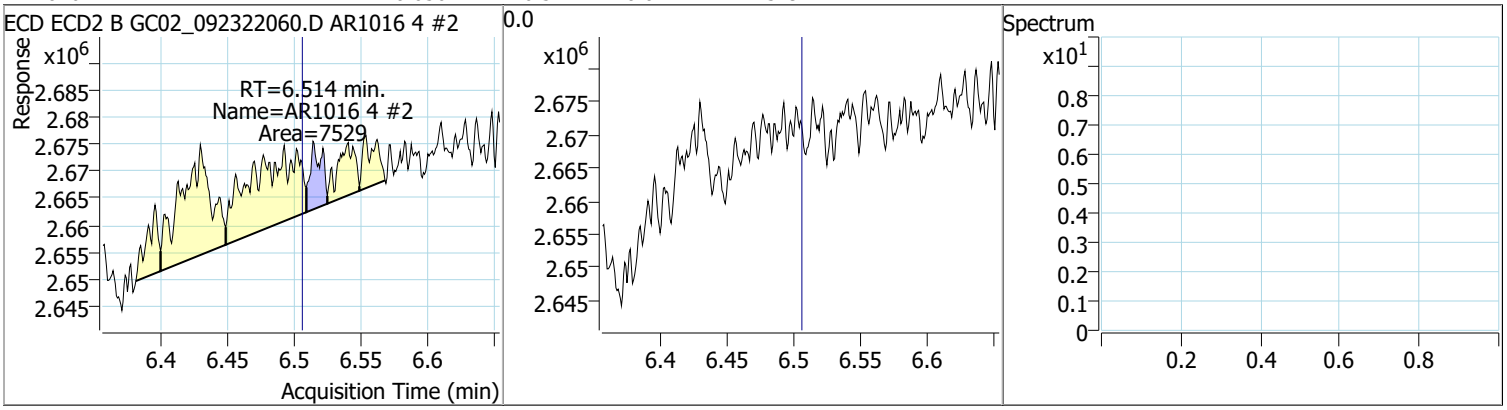
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	8.6512	6.34	0.02	1393129				



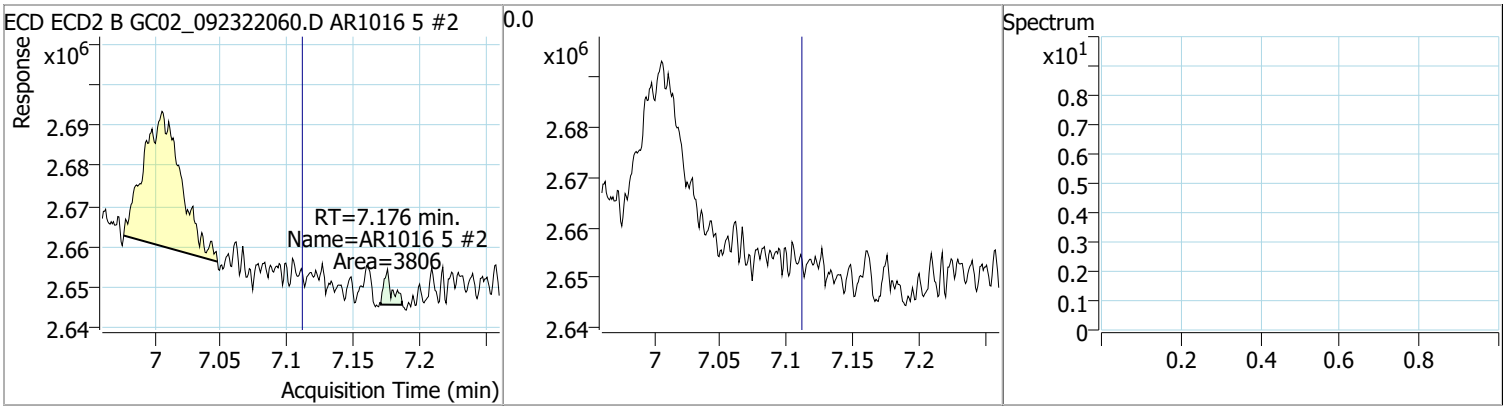
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	189.1543	6.43	0.08	3020051				



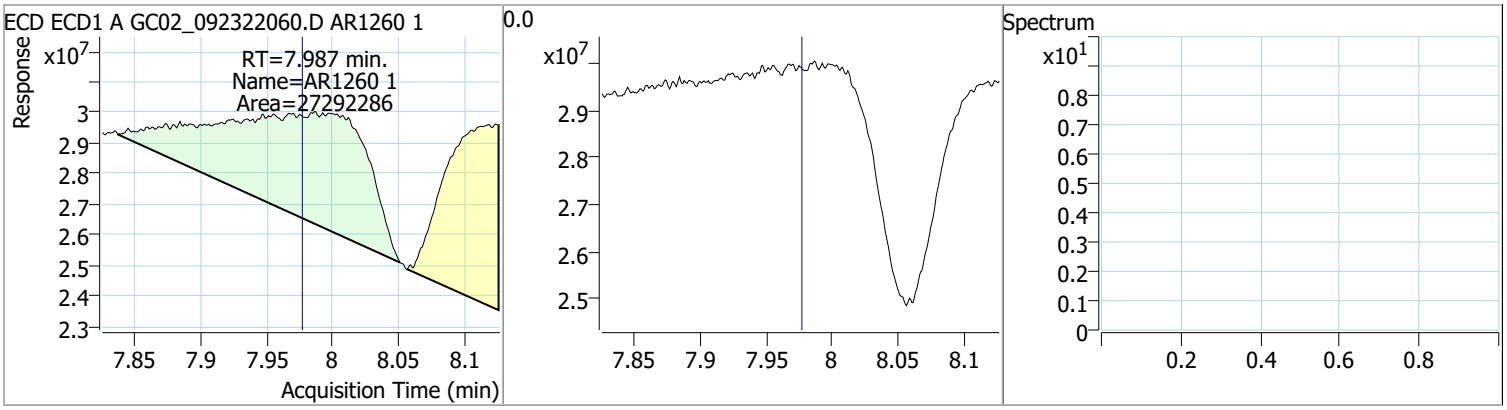
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.6561	6.51	0.01	7529				



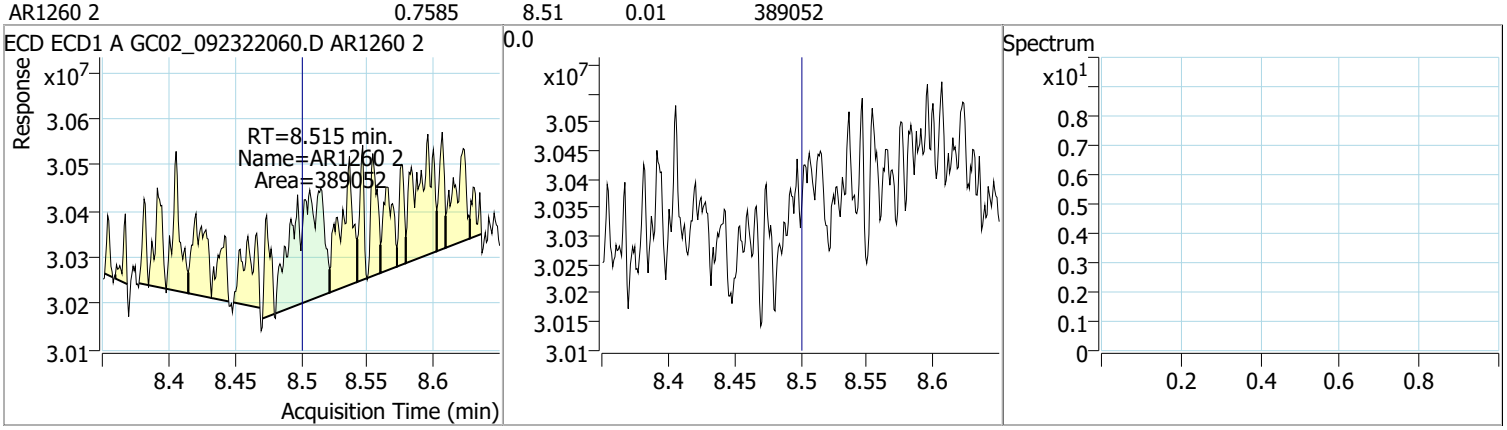
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.3872	7.18	0.06	3806				



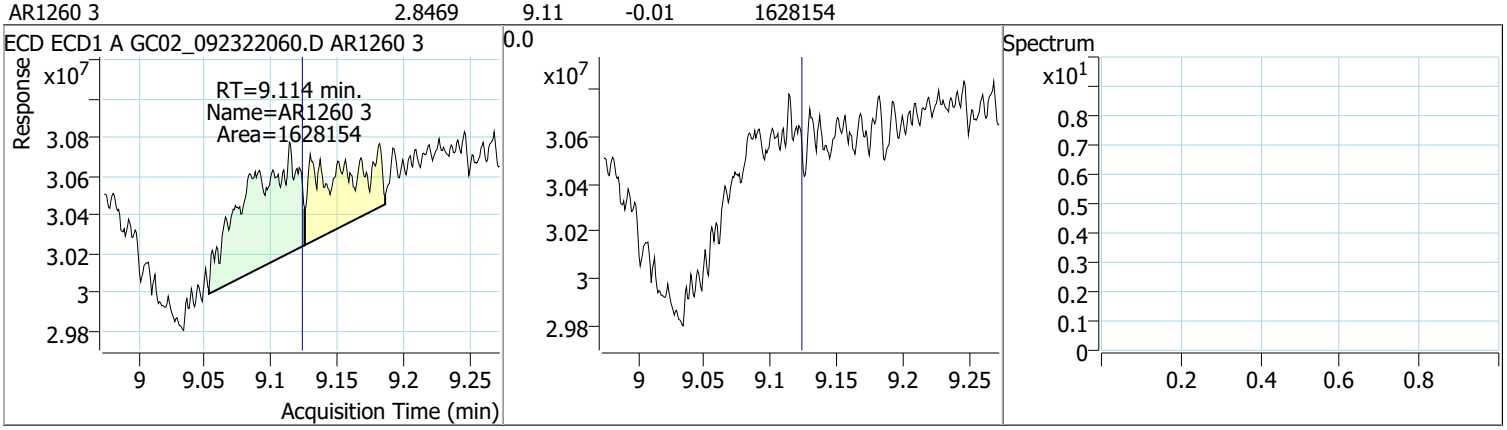
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	86.2266	7.99	0.01	27292286				



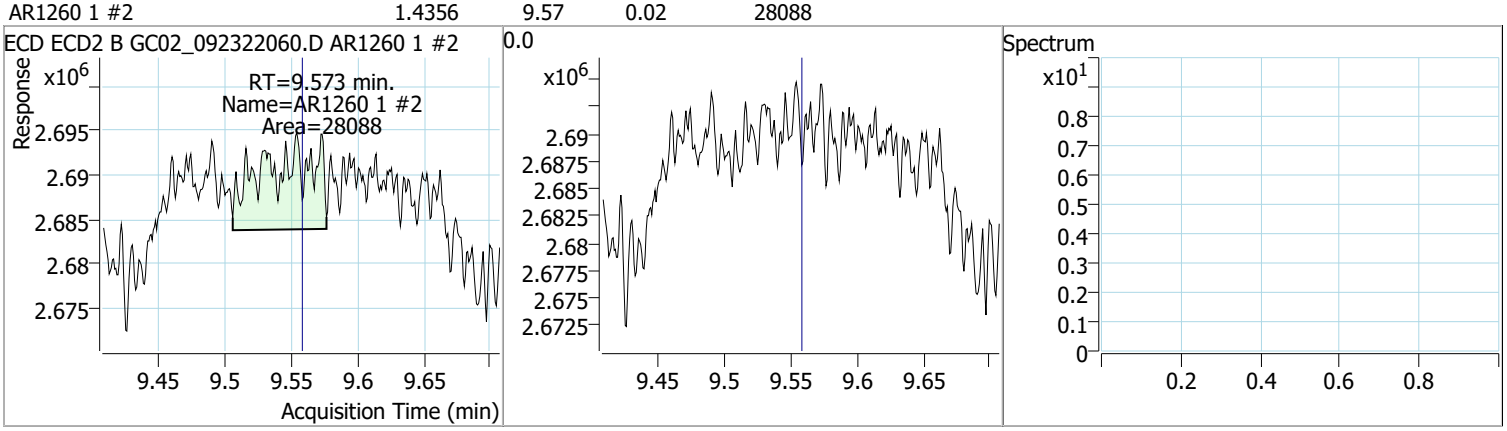
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.7585	8.51	0.01	389052				



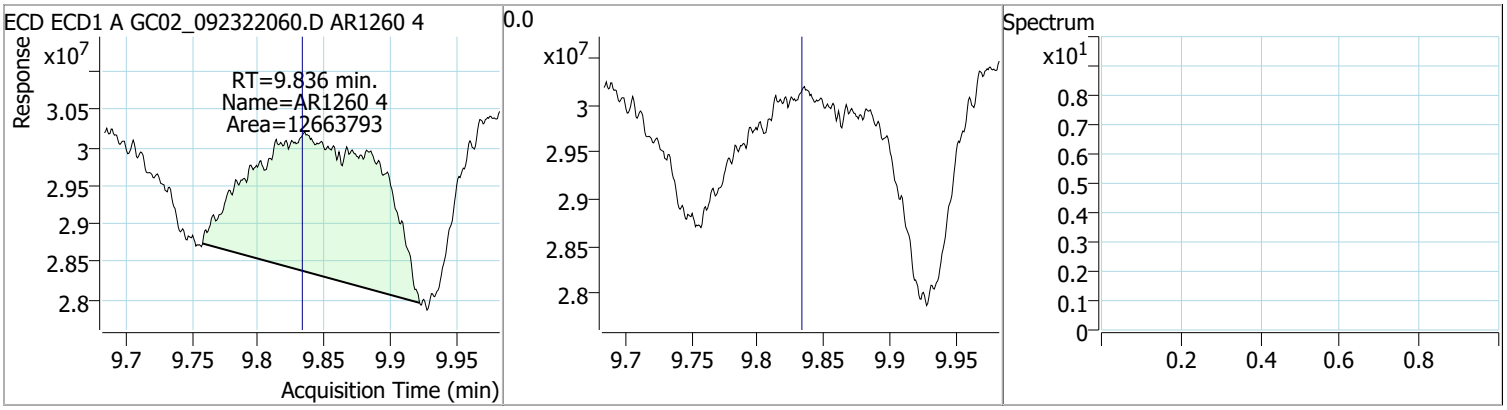
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2.8469	9.11	-0.01	1628154				



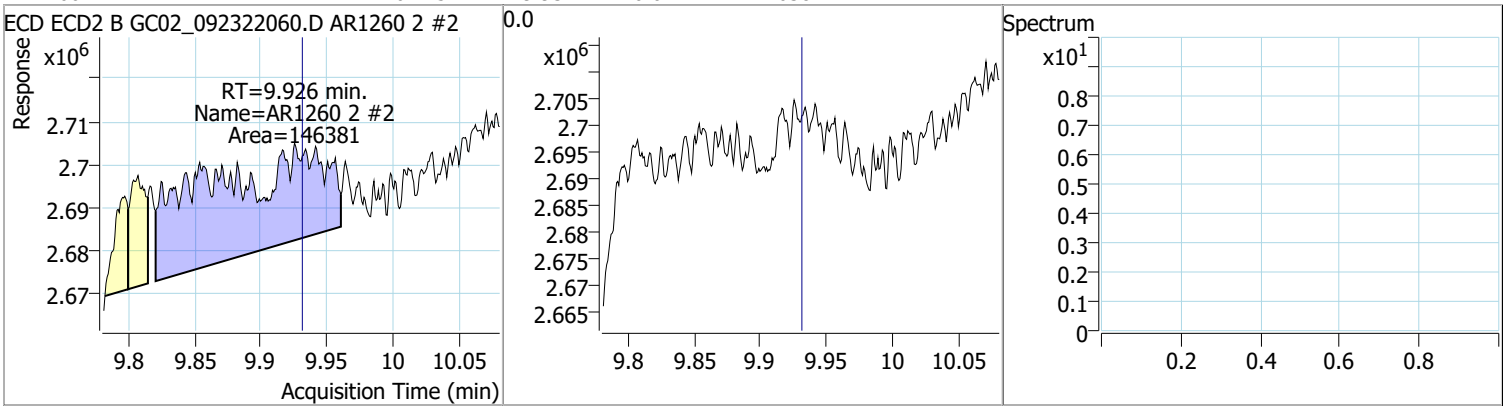
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1.4356	9.57	0.02	28088				



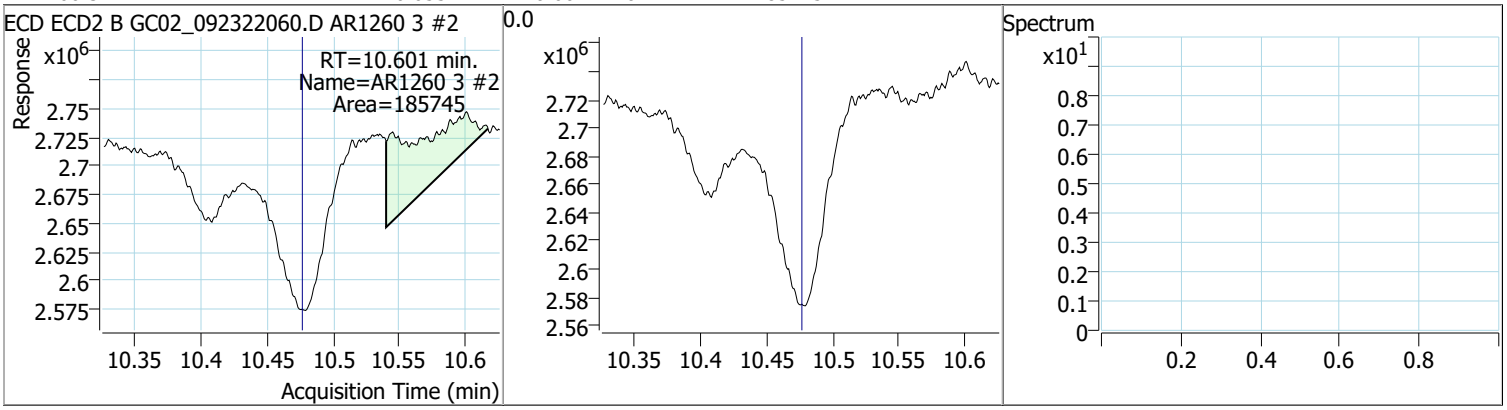
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	39.5963	9.84	0.00	12663793				



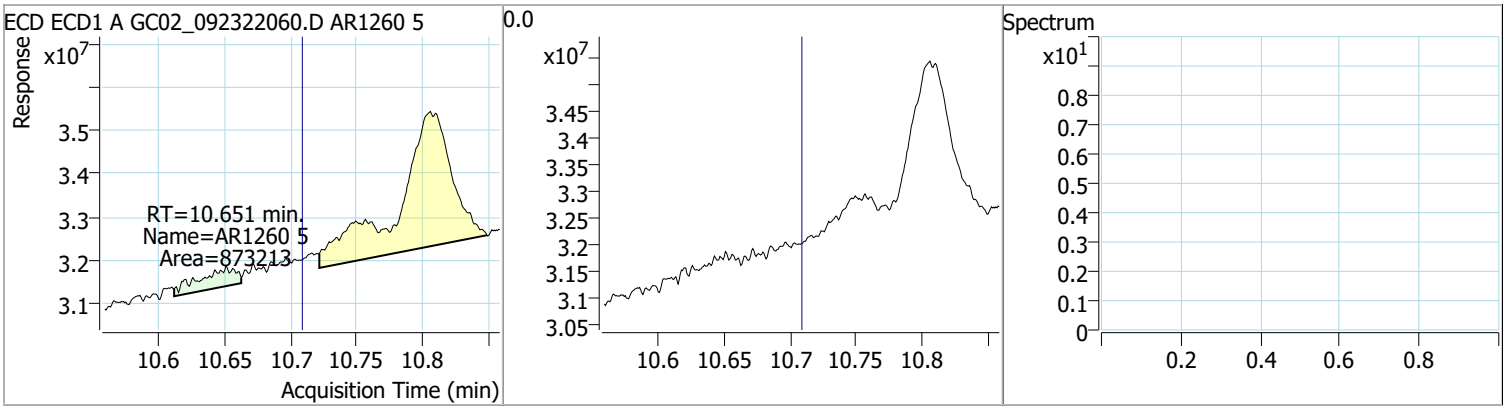
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	6.4157	9.93	-0.01	146381				



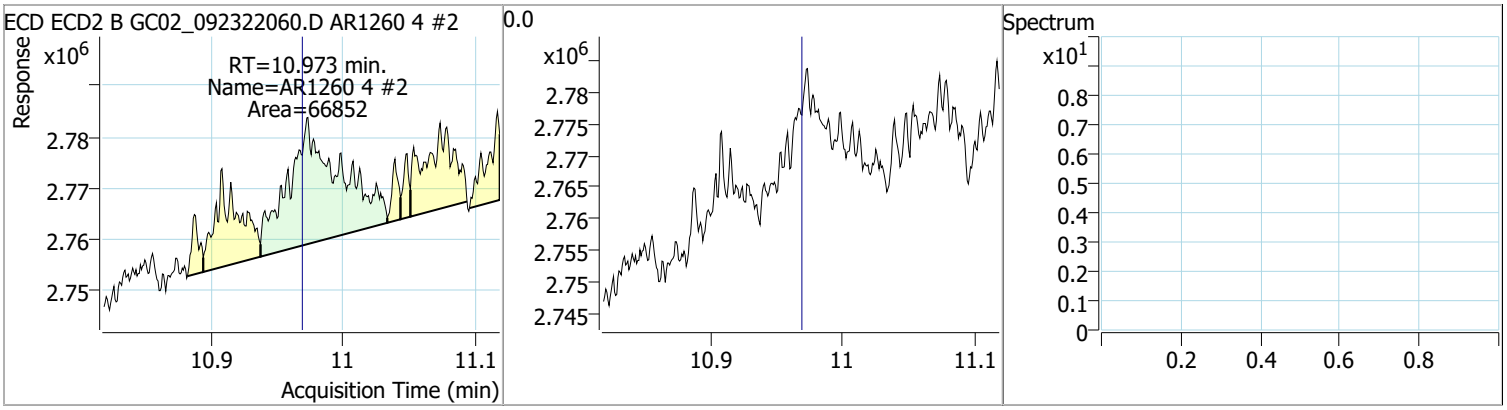
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	6.6552	10.60	0.12	185745				



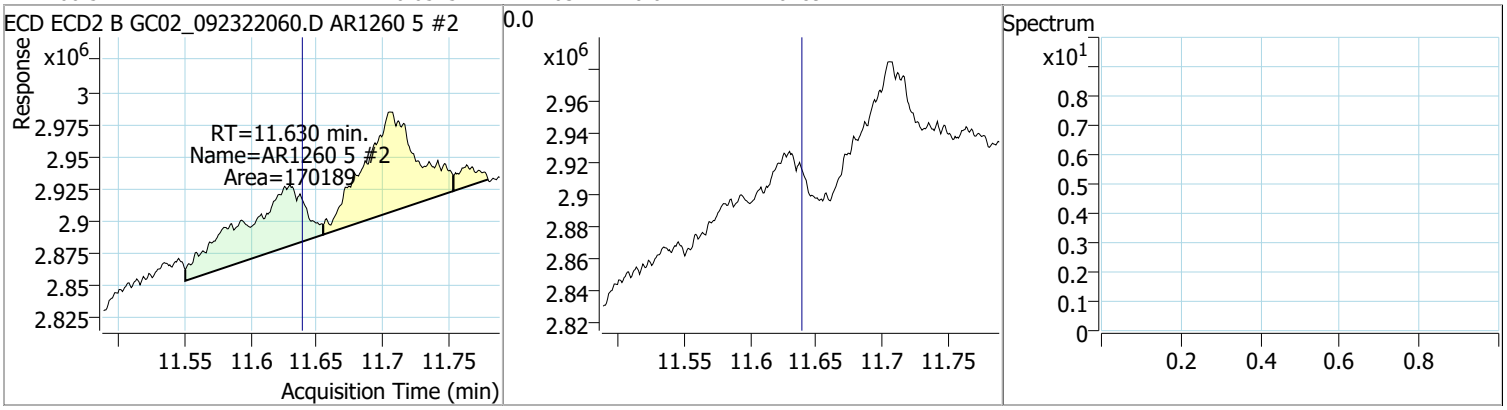
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1.9902	10.65	-0.06	873213				



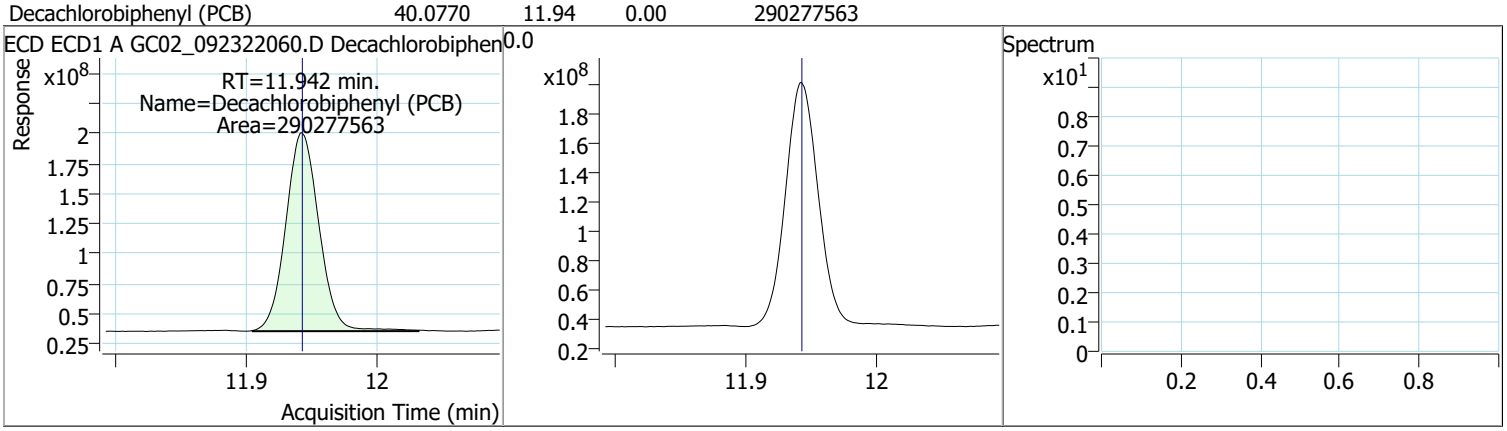
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	3.9243	10.97	0.00	66852				



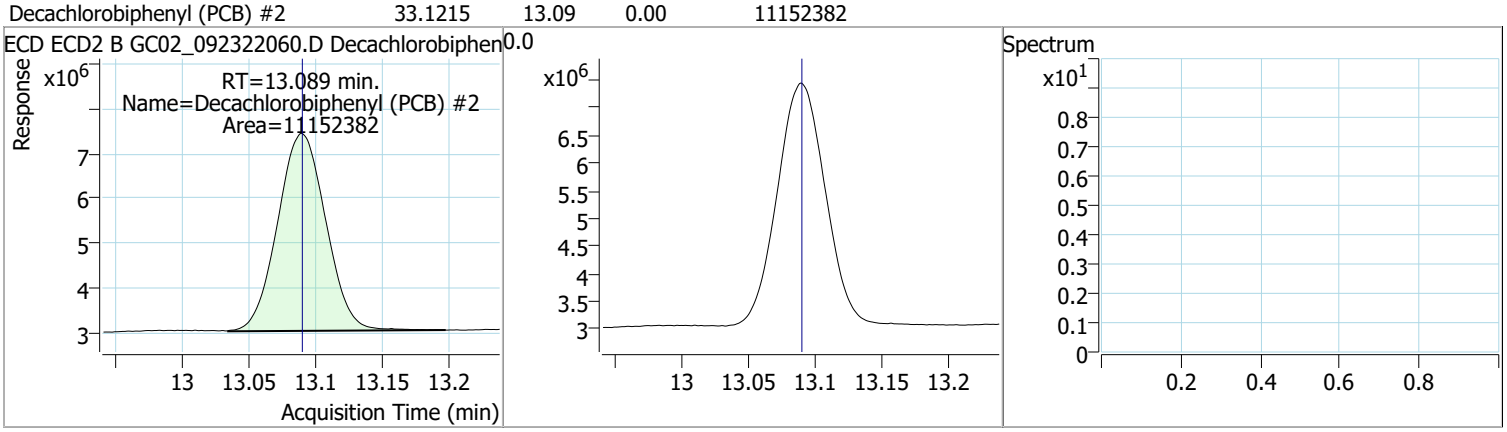
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	6.6575	11.63	-0.01	170189				



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)

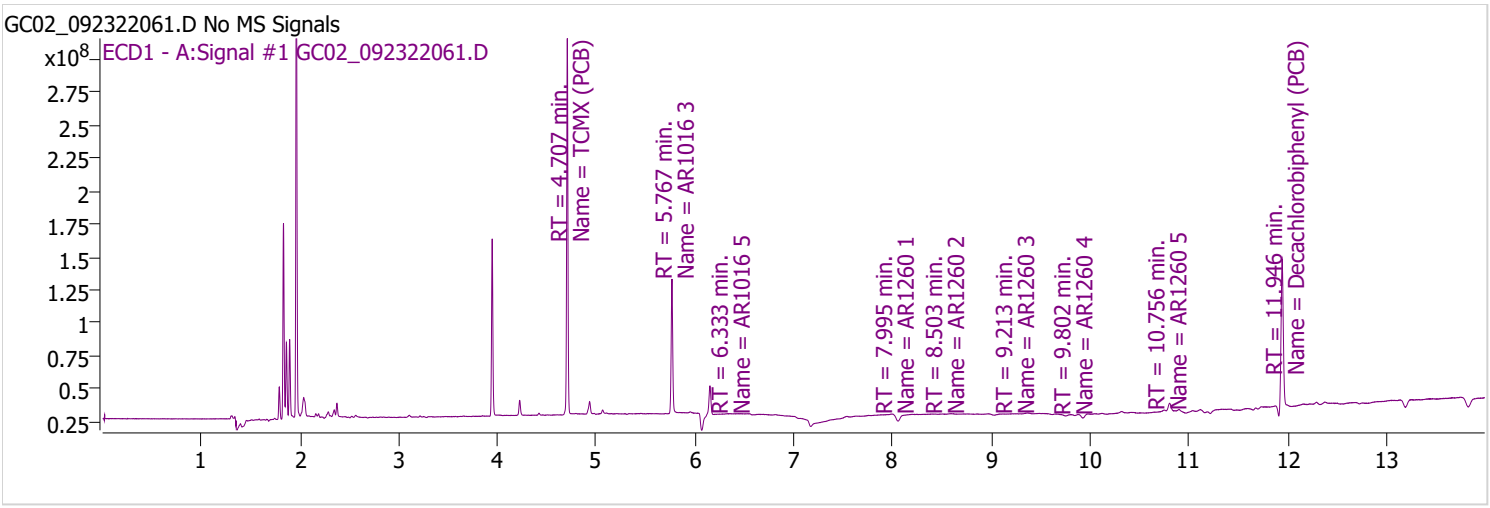
ISTD (CCV gc02_092322-038)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

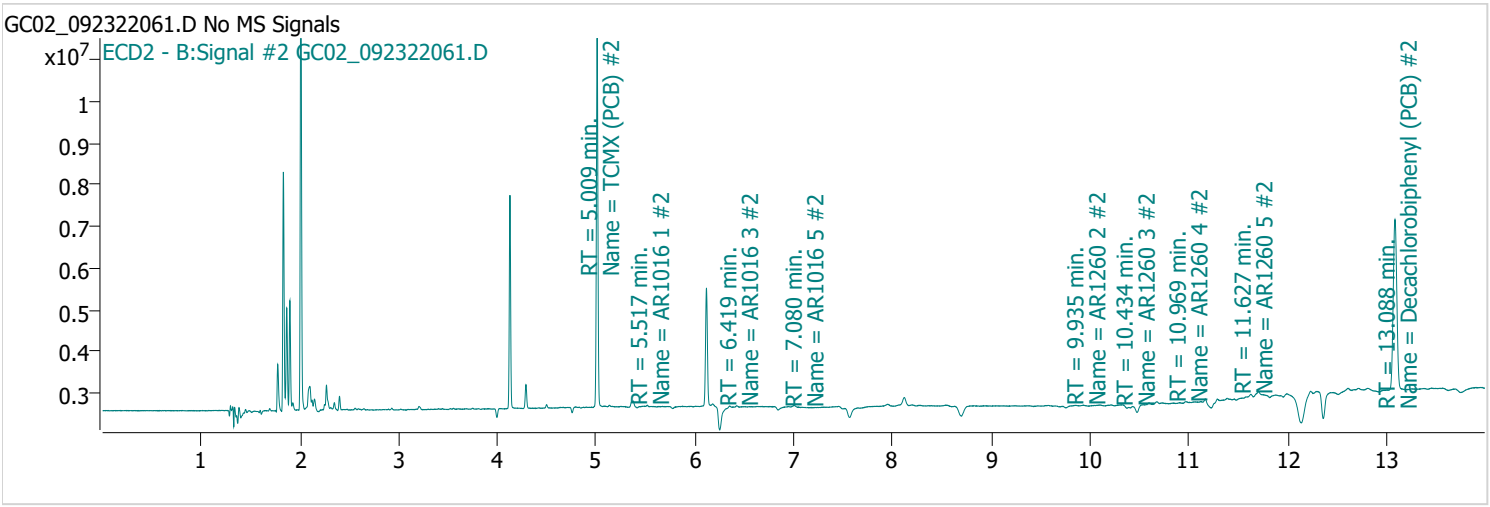
Analyst: TRN 09/26/22

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			



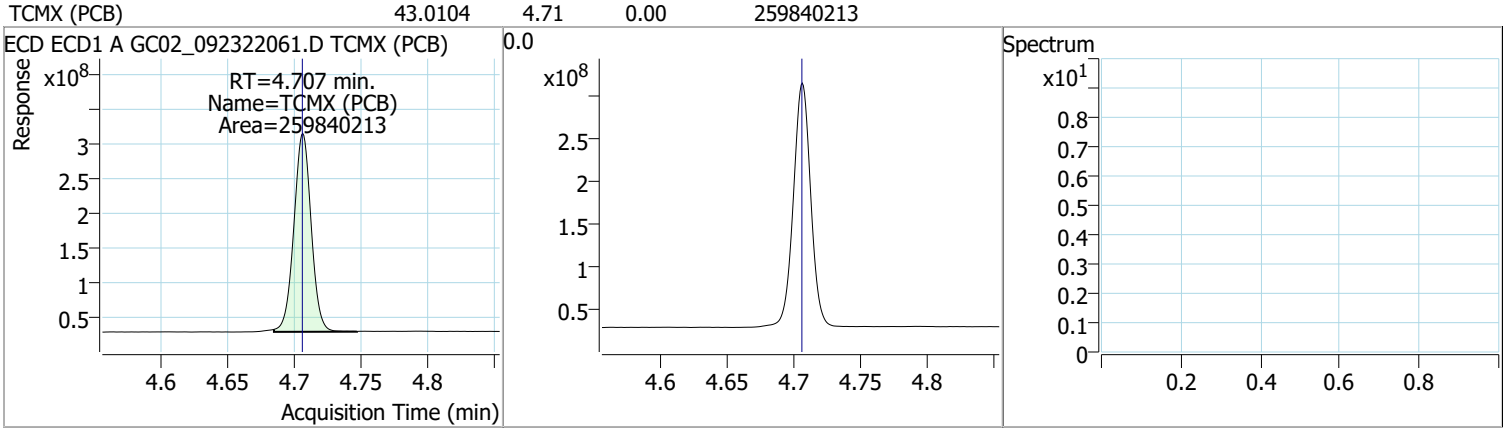


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	124511840.980	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	5229200.462	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.707	0.0	259840212.582	43.0104	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

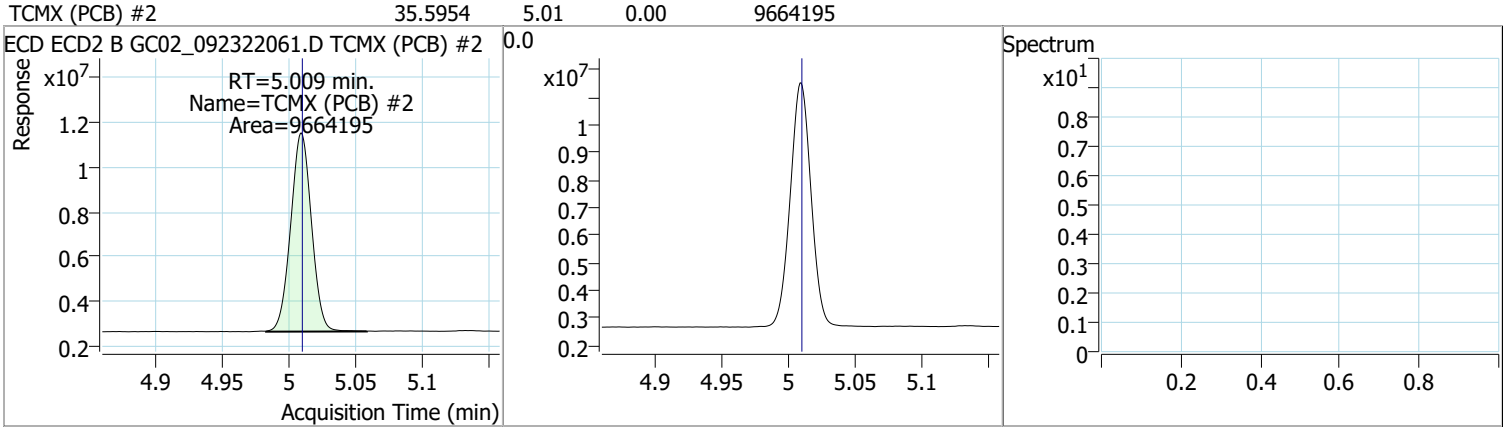
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.064	0.0	4888576.439	53.8665	ng/ml	100
T AR1016 2	5.292	0.0	391133.705	1.9991	ng/ml	100
T AR1016 1 #2	5.517	0.0	196906.473	31.4975	ng/ml	100
T AR1016 3	5.767	0.0	112229123.166	371.6922	ng/ml	100
T AR1016 2 #2	5.874	0.0	199309.043	15.1684	ng/ml	100
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

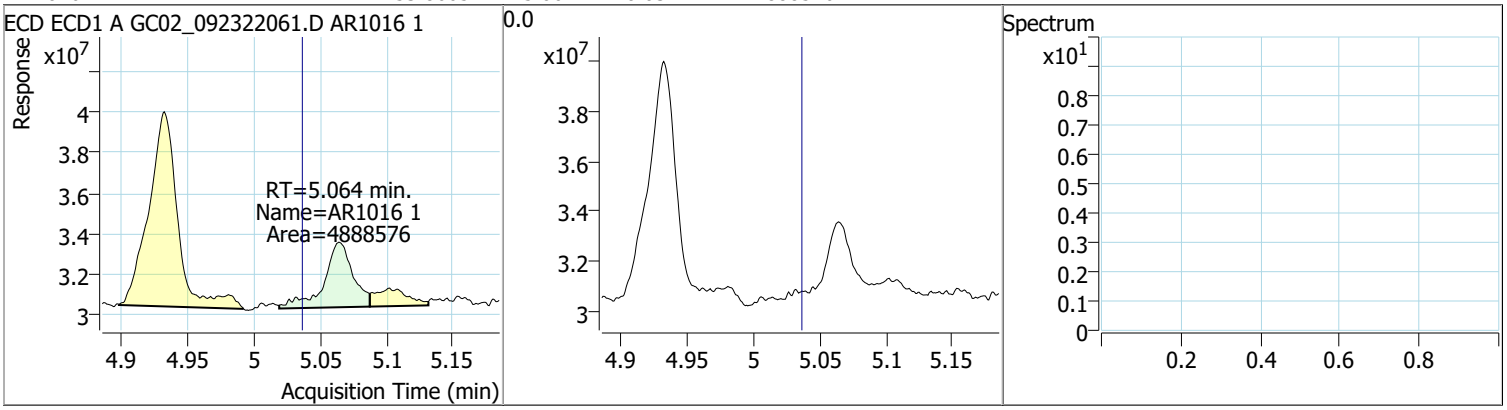
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	43.0104	4.71	0.00	259840213				



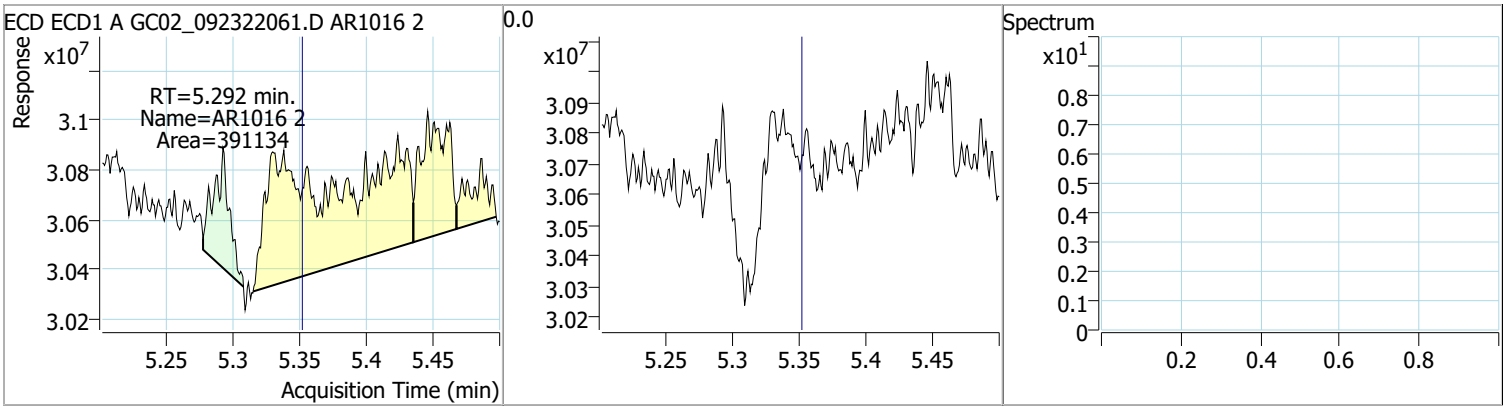
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.5954	5.01	0.00	9664195				



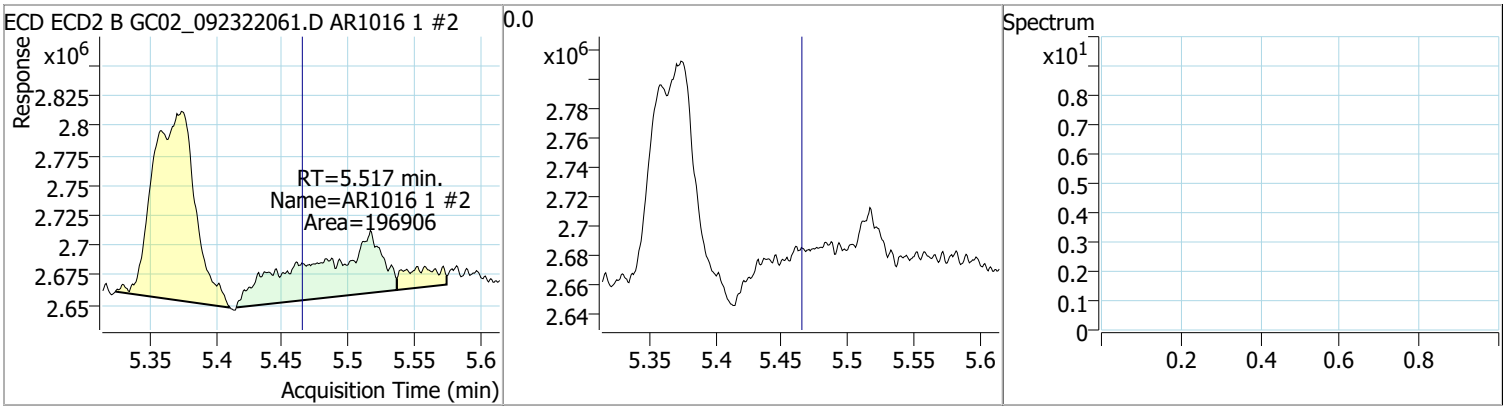
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	53.8665	5.06	0.03	4888576				



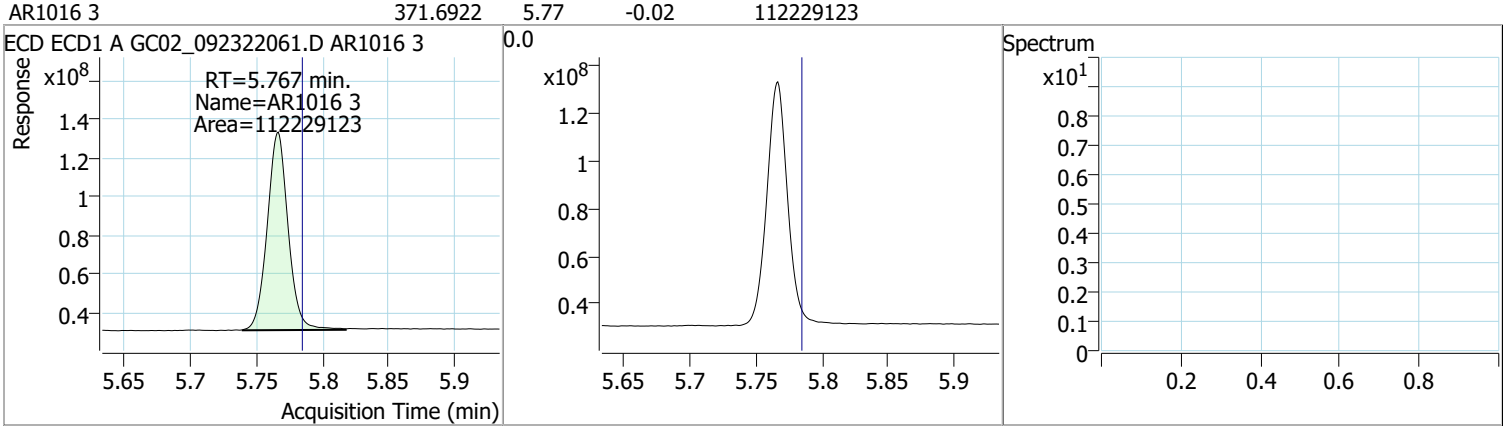
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.9991	5.29	-0.06	391134				



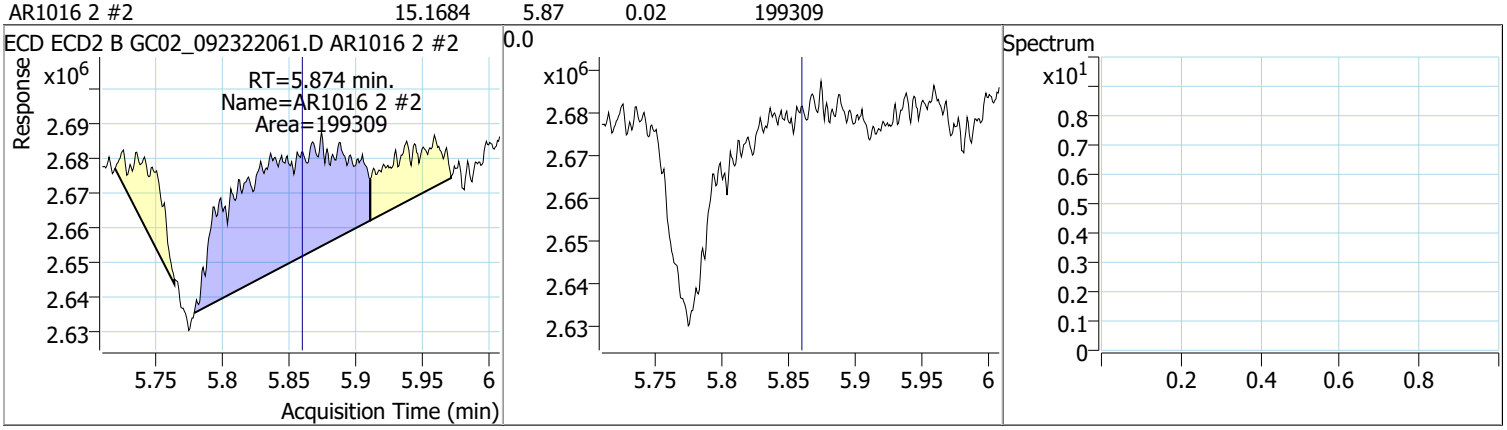
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	31.4975	5.52	0.05	196906				



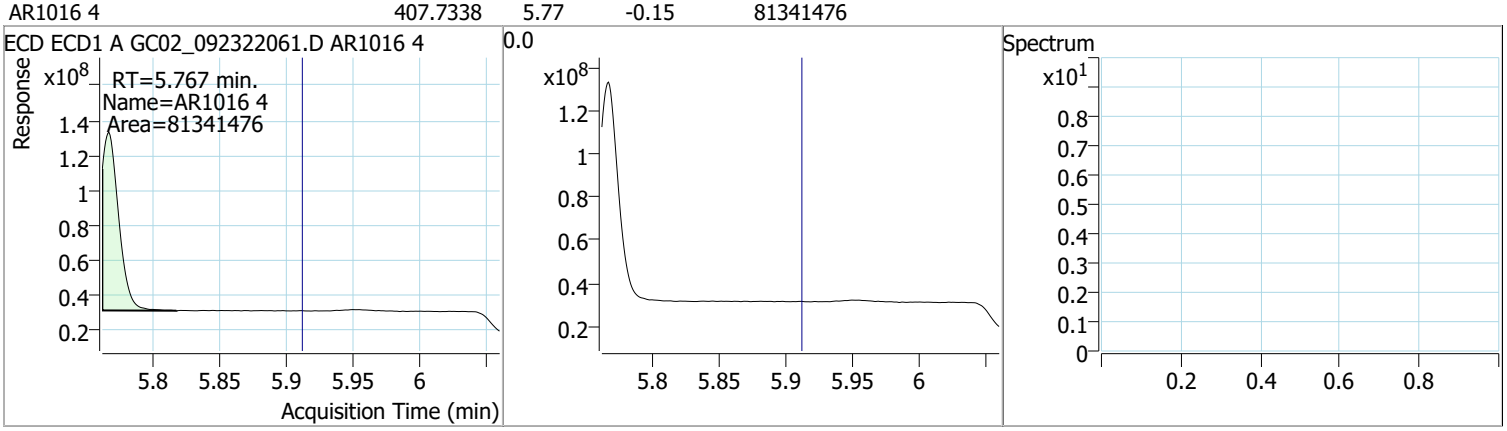
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	371.6922	5.77	-0.02	112229123				



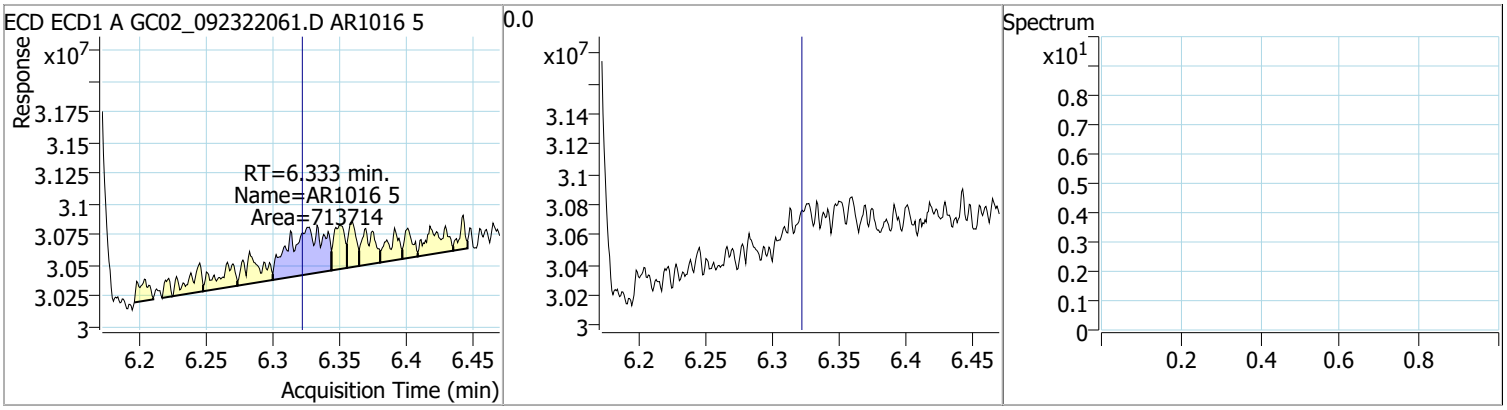
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	15.1684	5.87	0.02	199309				



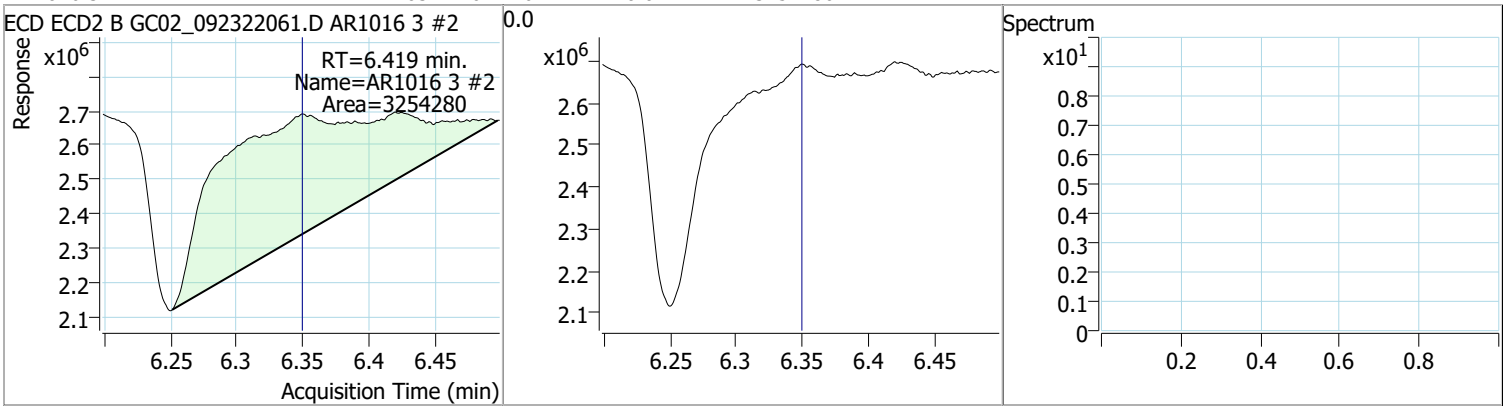
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	407.7338	5.77	-0.15	81341476				



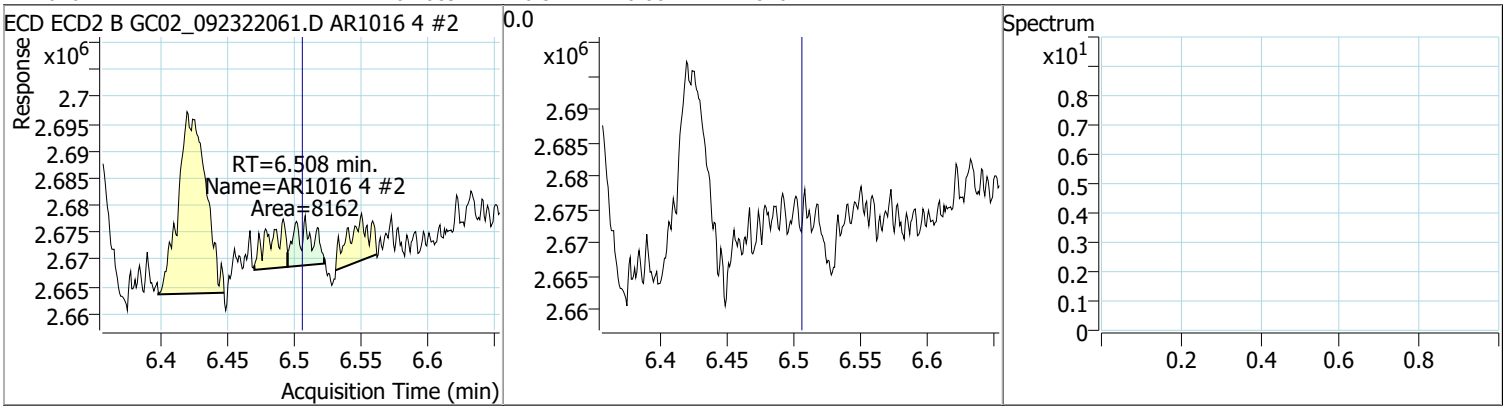
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	4.4456	6.33	0.01	713714				



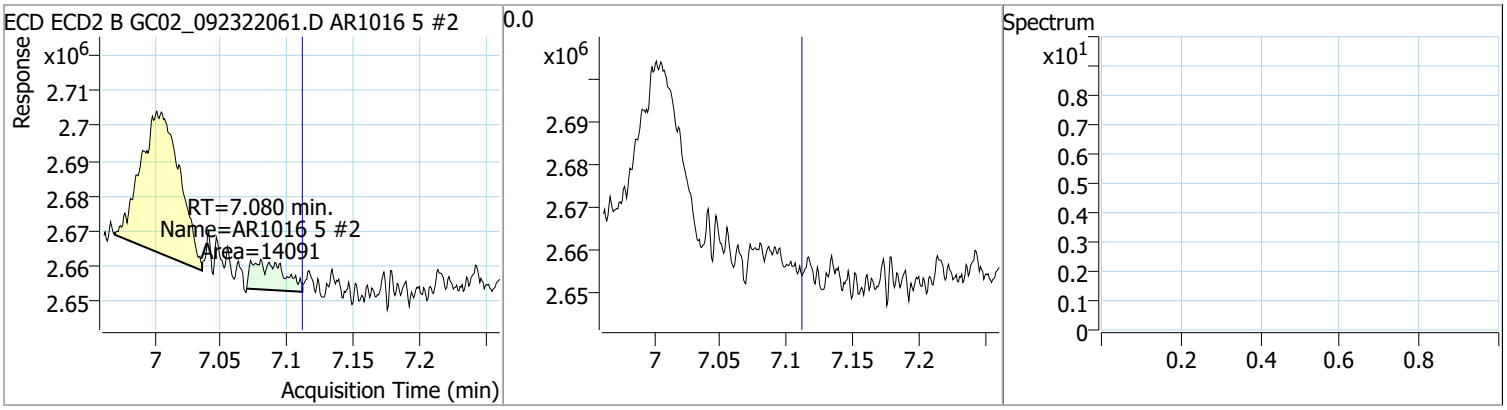
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	203.1726	6.42	0.07	3254280				



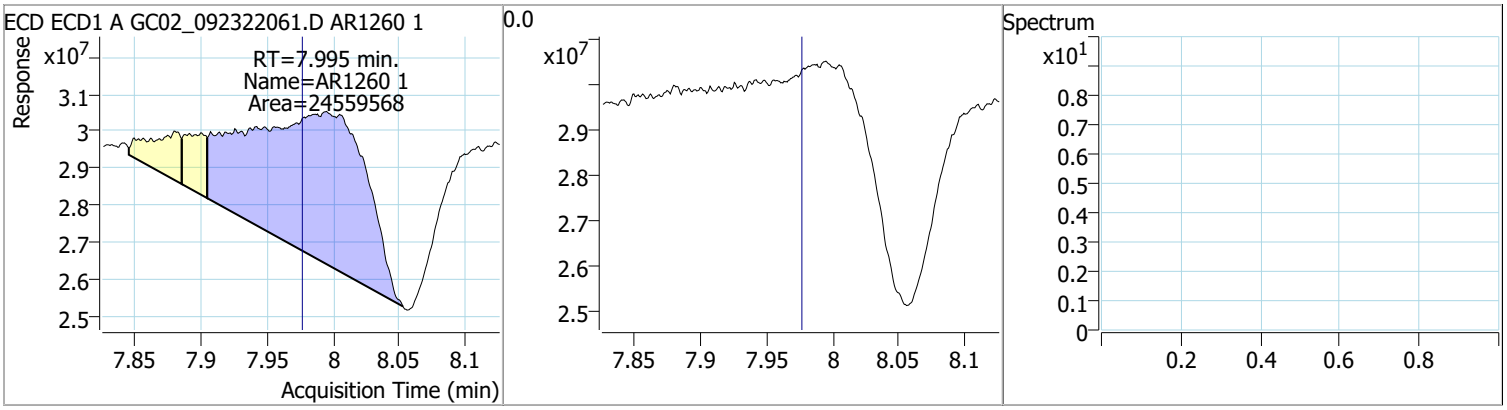
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.7089	6.51	0.00	8162				



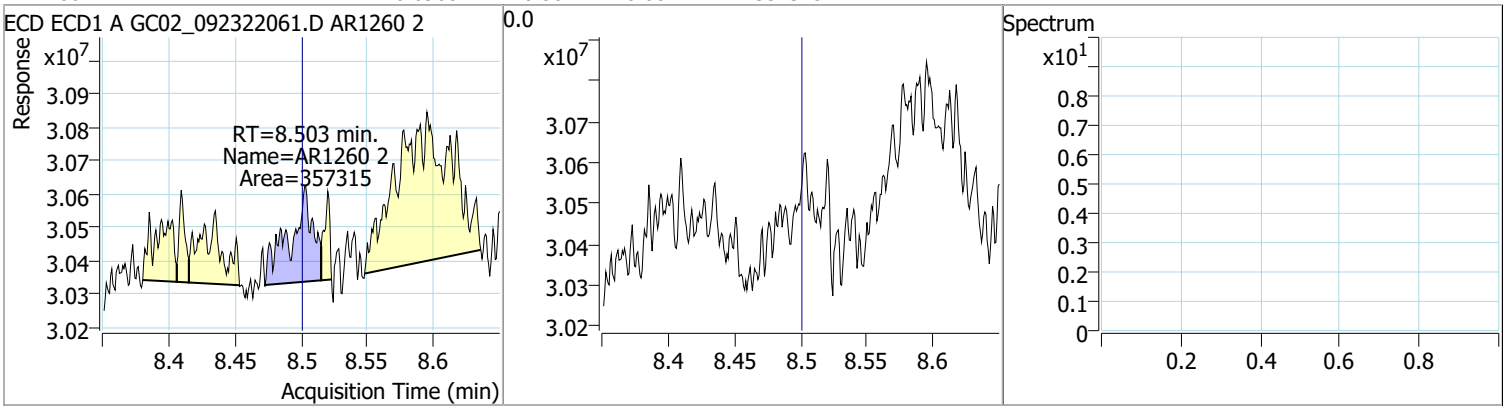
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.4287	7.08	-0.03	14091				



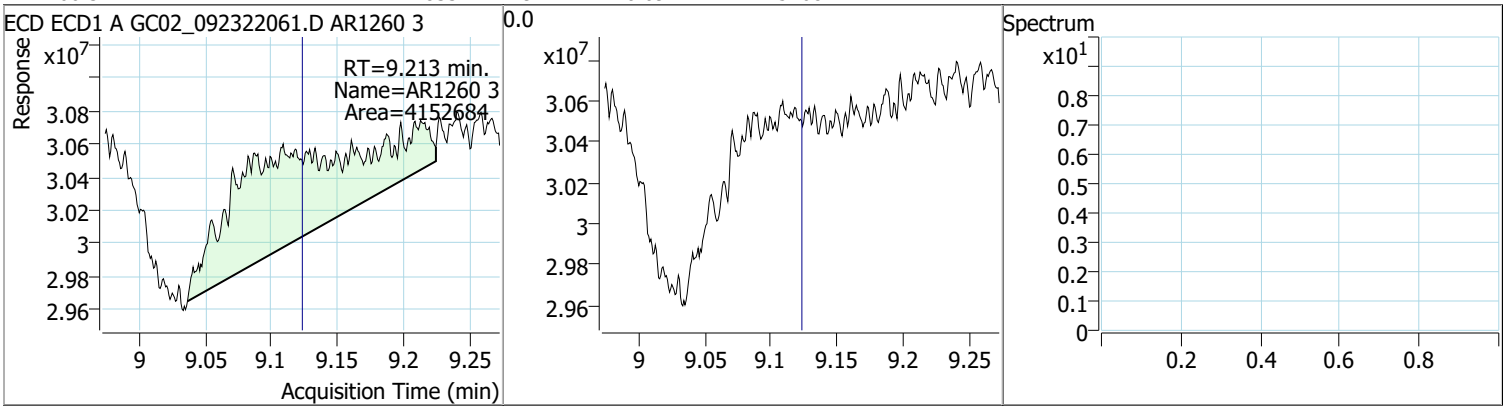
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	77.8303	7.99	0.02	24559568				



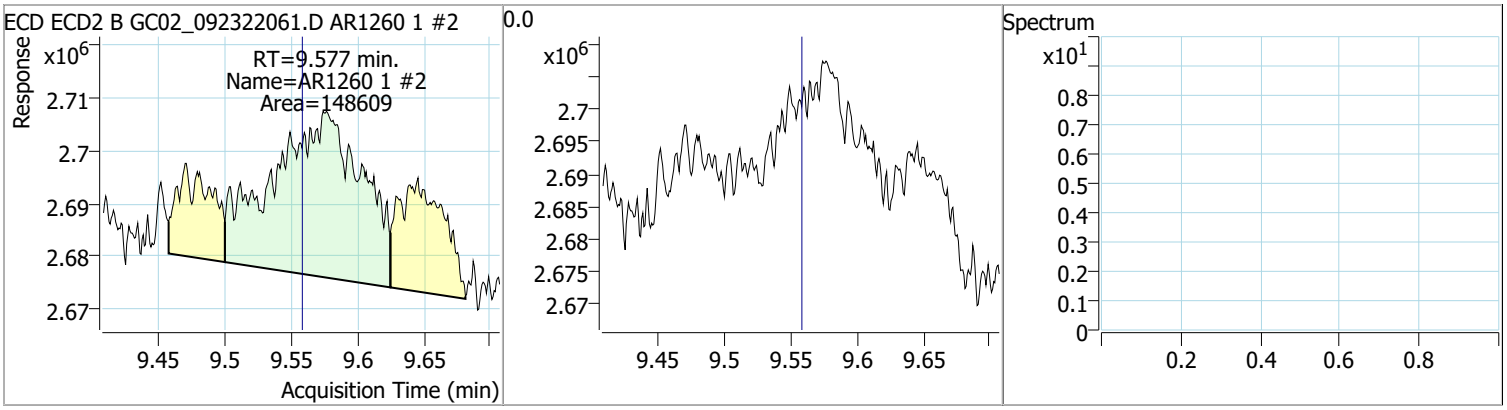
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.6988	8.50	0.00	357315				



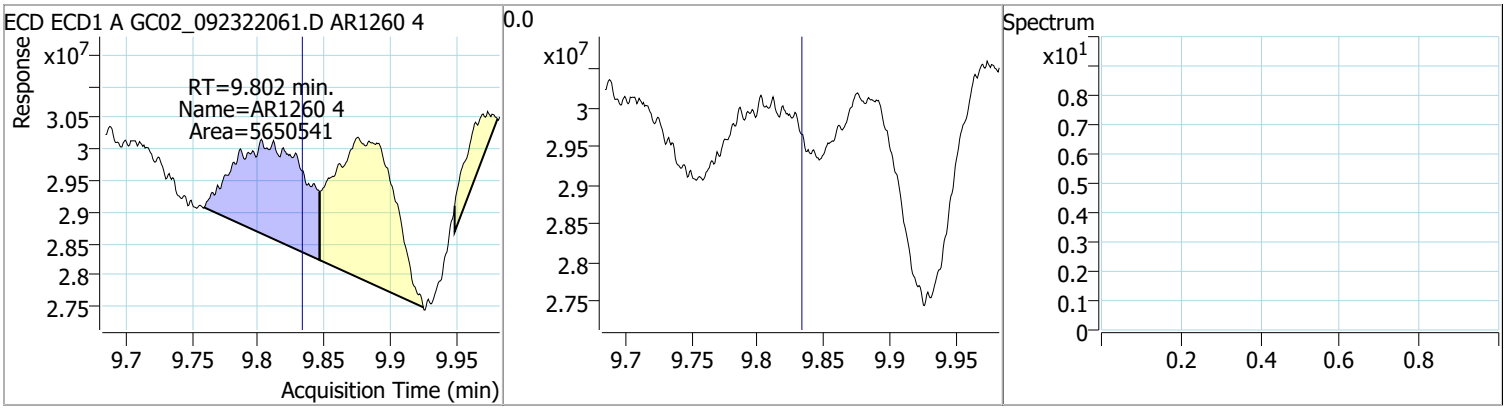
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	7.2833	9.21	0.09	4152684				



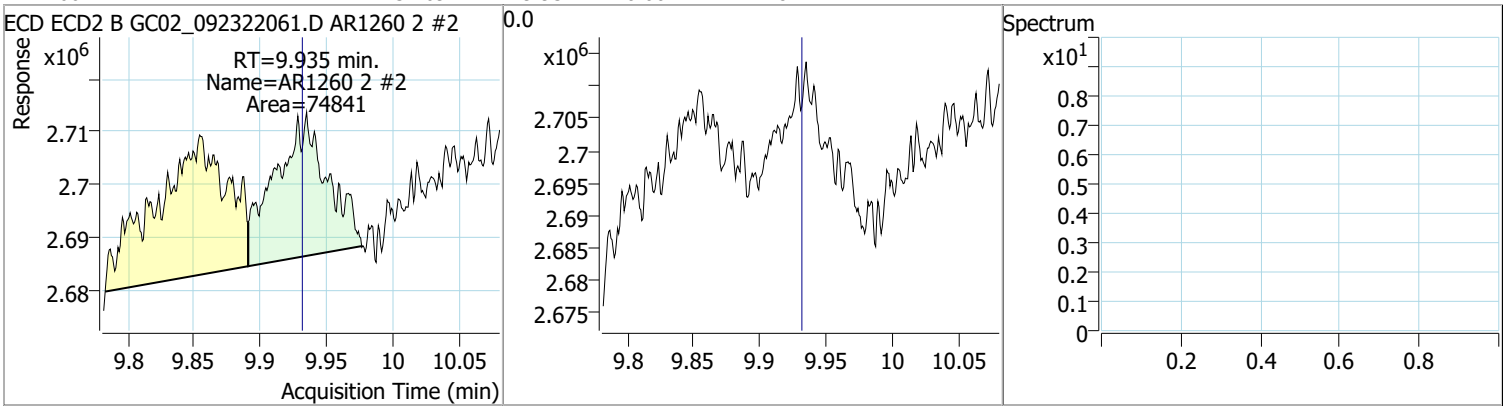
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	7.5714	9.58	0.02	148609				



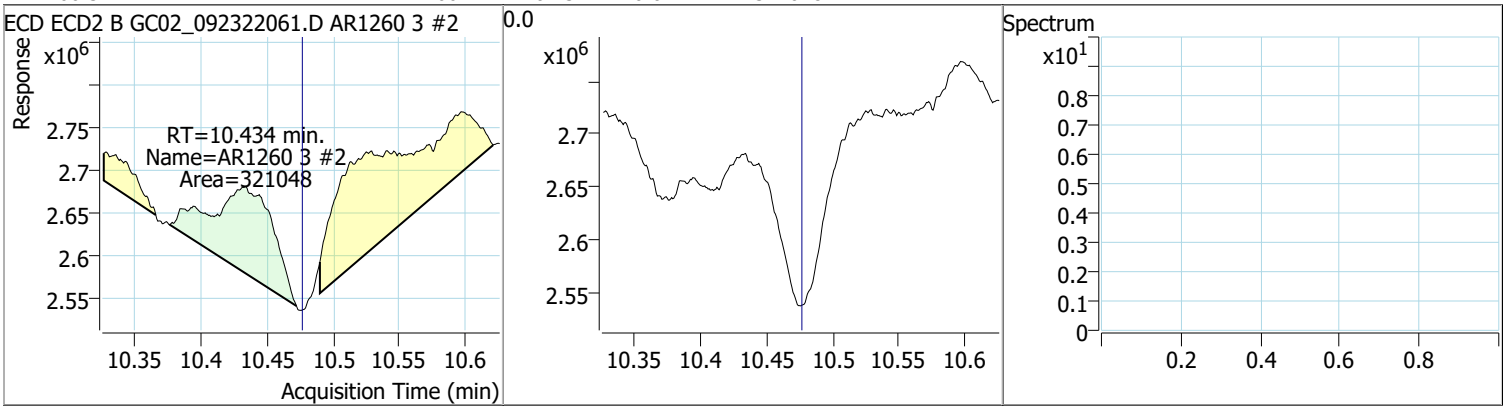
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	17.7218	9.80	-0.03	5650541				



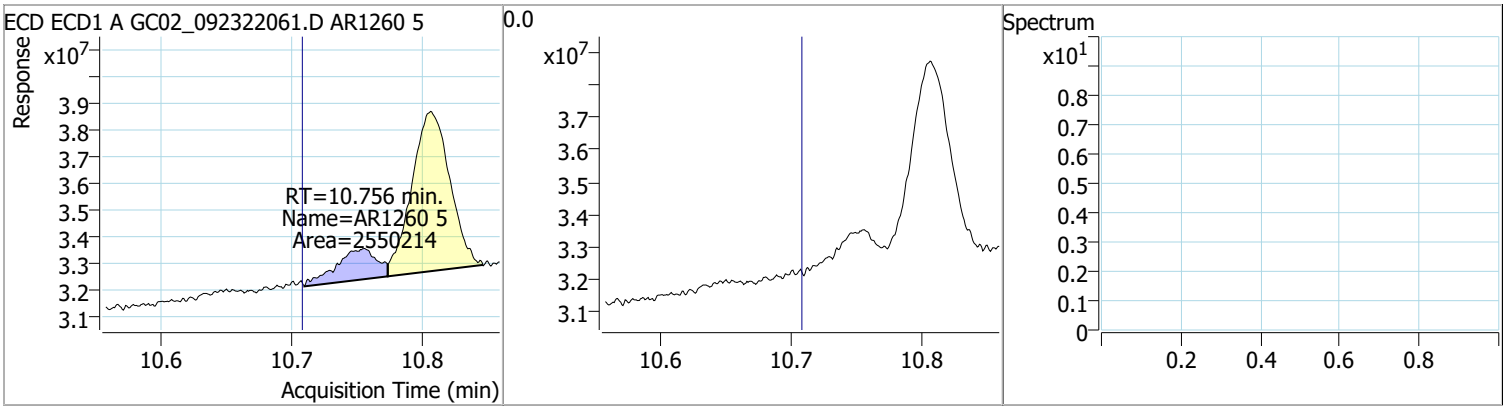
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.2697	9.93	0.00	74841				



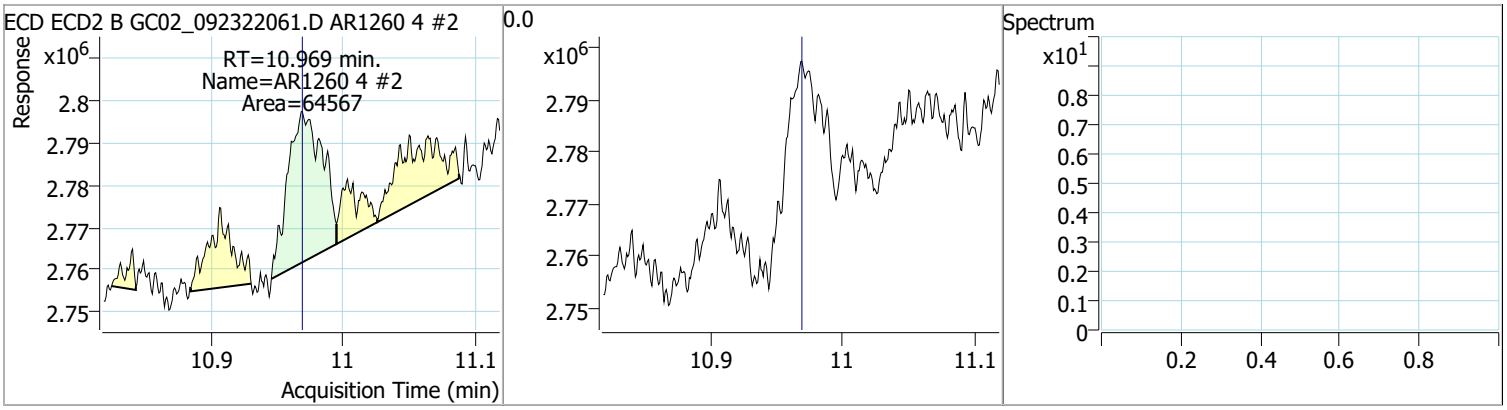
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.4662	10.43	-0.04	321048				



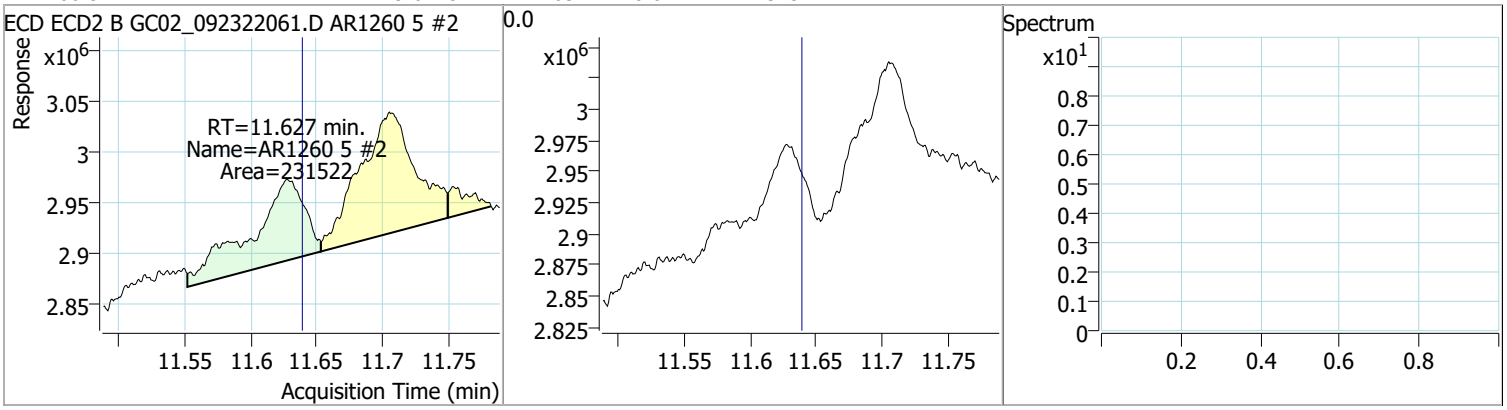
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	5.8303	10.76	0.05	2550214				



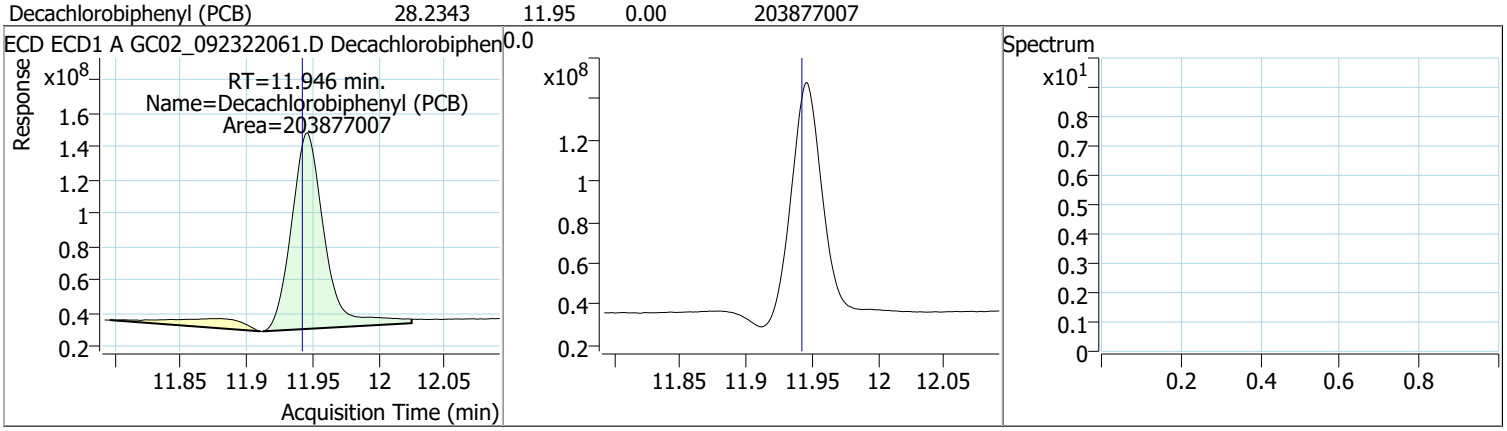
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	3.7780	10.97	0.00	64567				



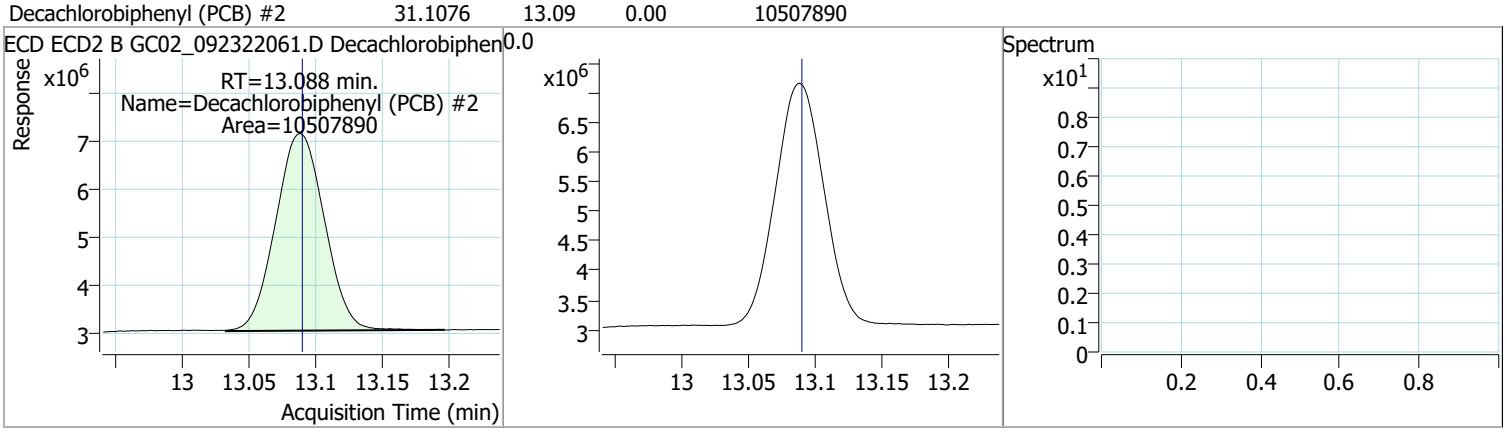
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	9.0278	11.63	-0.01	231522				



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)

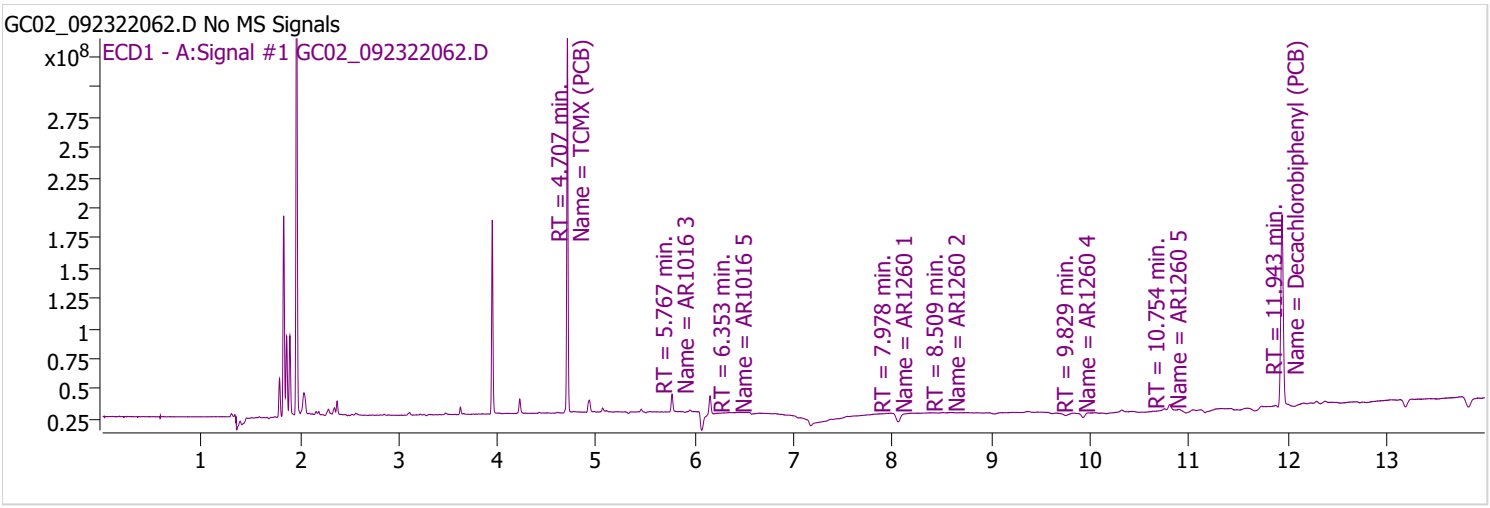
ISTD (CCV gc02_092322-038)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.13	4.13	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.95	3.95	0.00

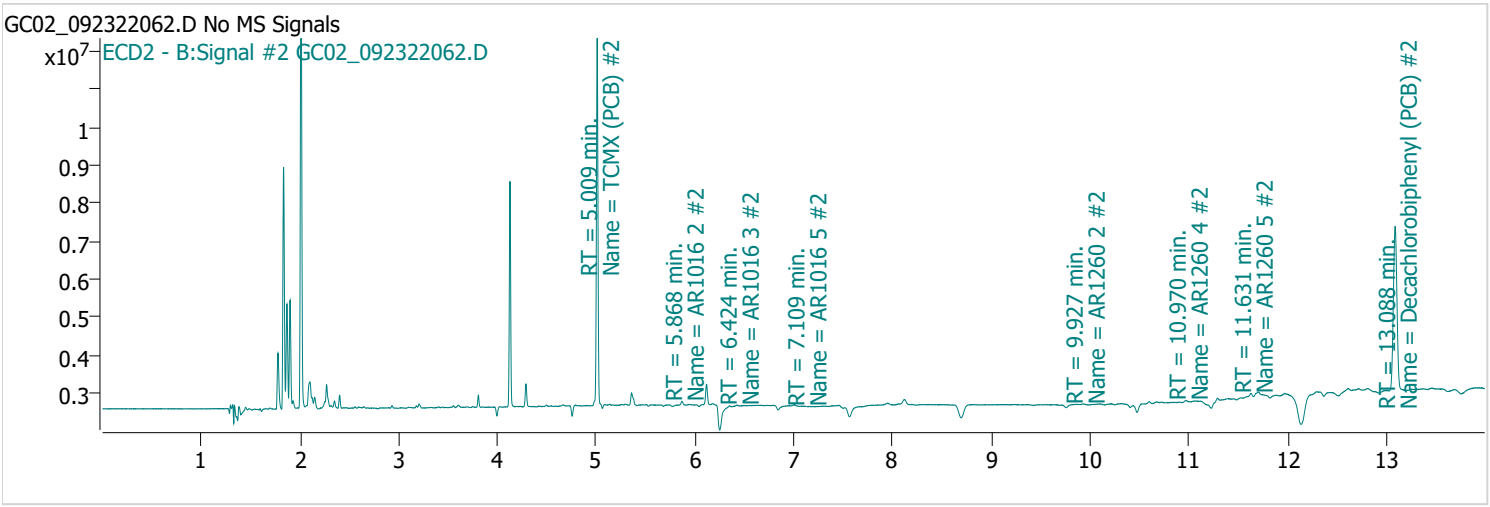
Analyst: TRN 09/26/22

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			



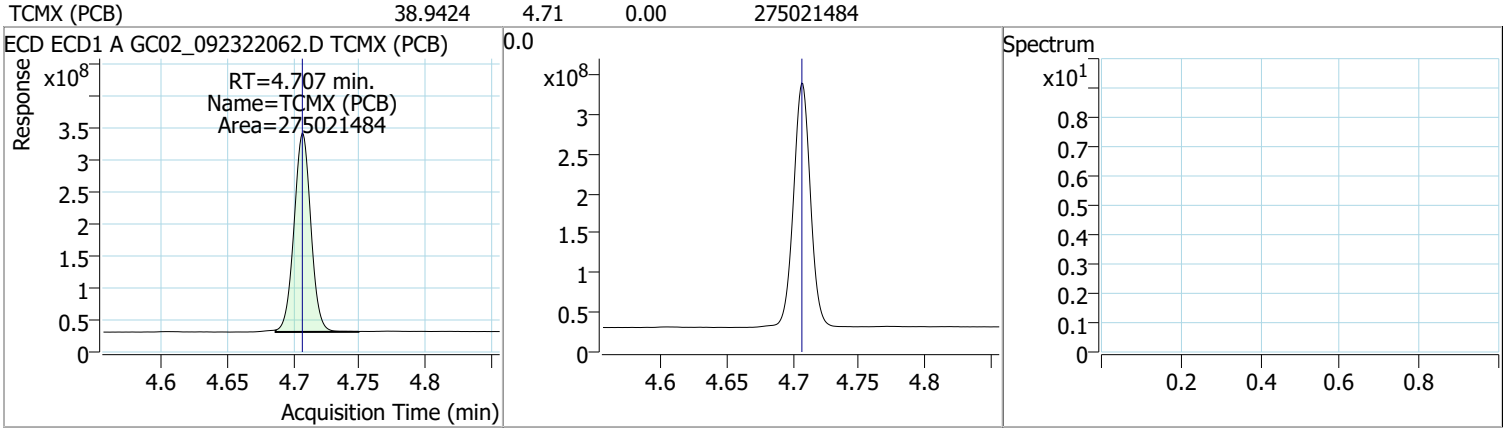


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.947	0.0	145553026.873	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	6011806.023	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.707	0.0	275021483.774	38.9424	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

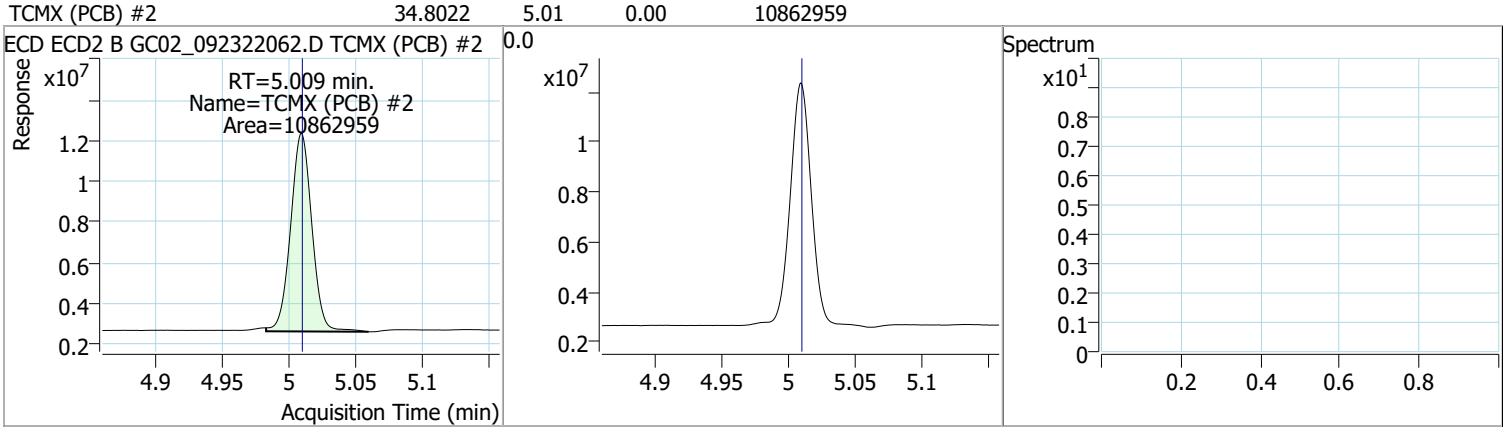
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.063	0.0	5206531.501	49.0766	ng/ml	100
T AR1016 2	5.456	0.0	11849164.298	51.8066	ng/ml	100
T AR1016 1 #2	5.442	0.0	37815.393	5.2616	ng/ml	100
T AR1016 3	5.767	0.0	19740510.531	55.9275	ng/ml	100
T AR1016 2 #2	5.868	0.0	294893.858	19.5213	ng/ml	100
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

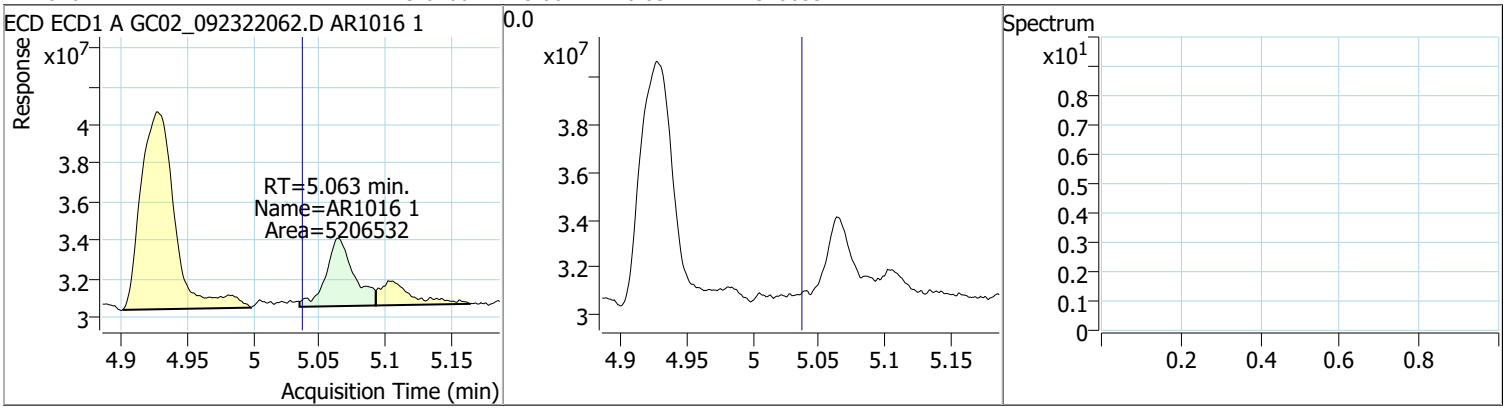
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.9424	4.71	0.00	275021484				



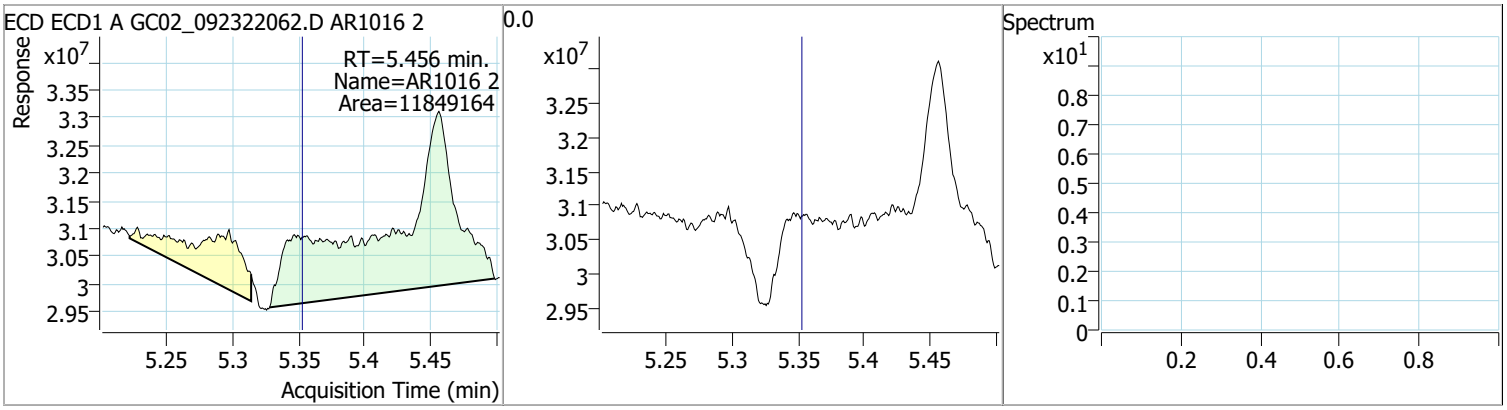
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.8022	5.01	0.00	10862959				



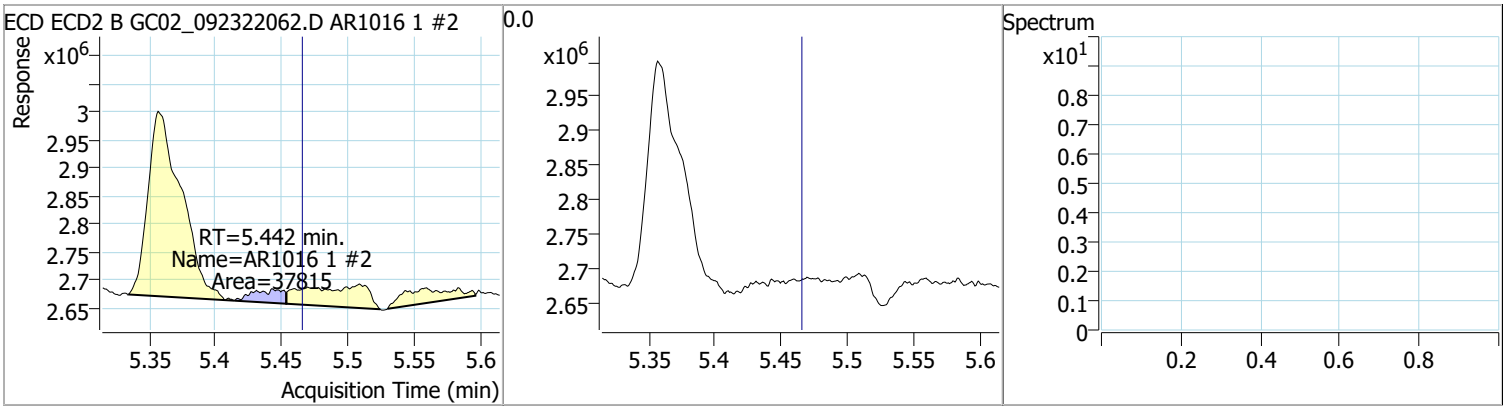
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	49.0766	5.06	0.03	5206532				



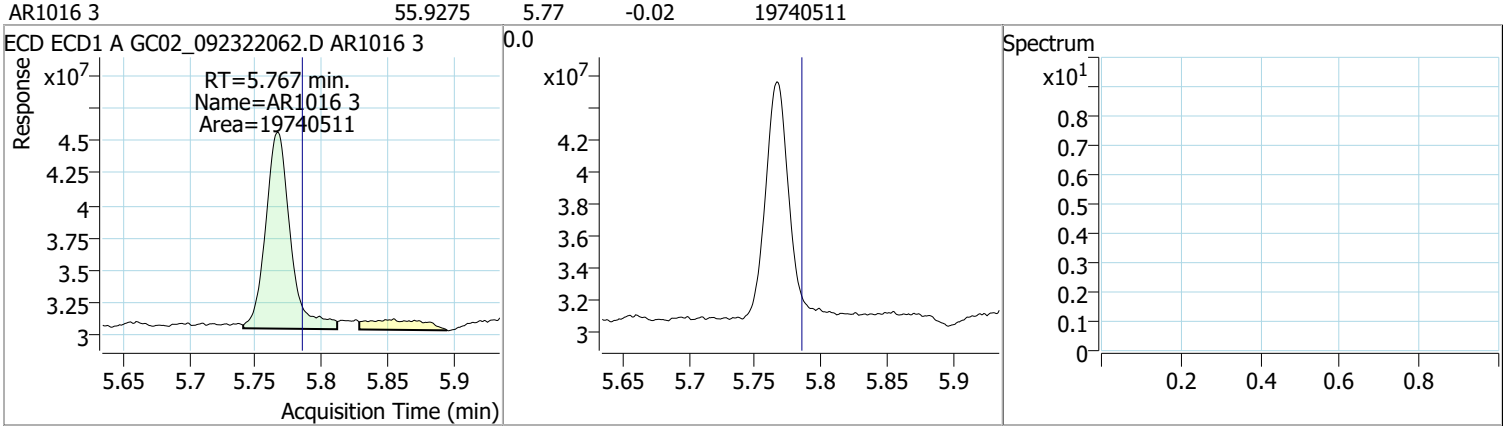
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	51.8066	5.46	0.10	11849164				



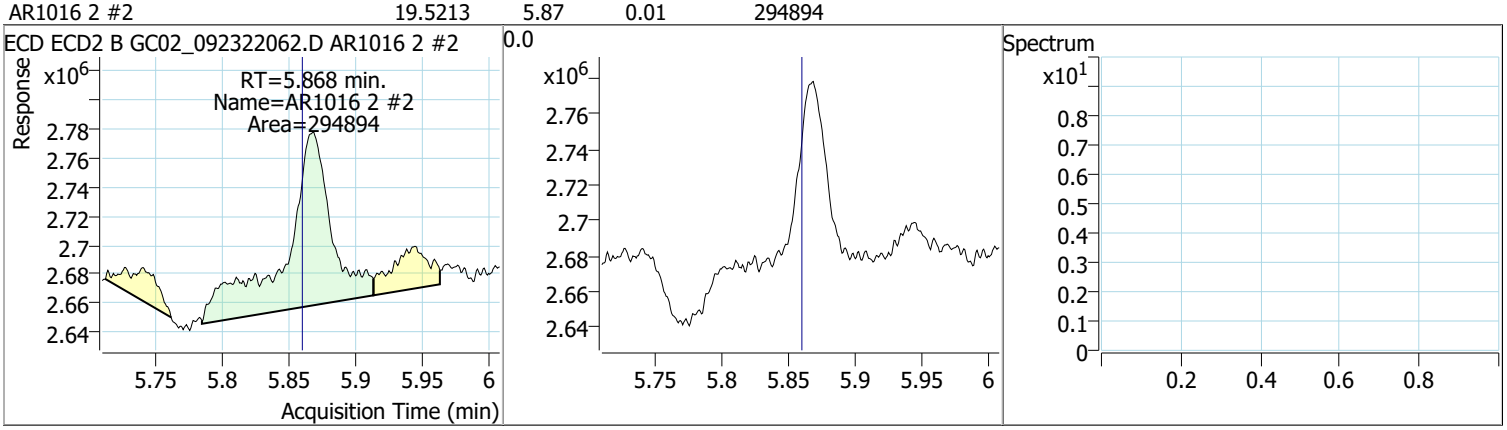
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	5.2616	5.44	-0.02	37815				



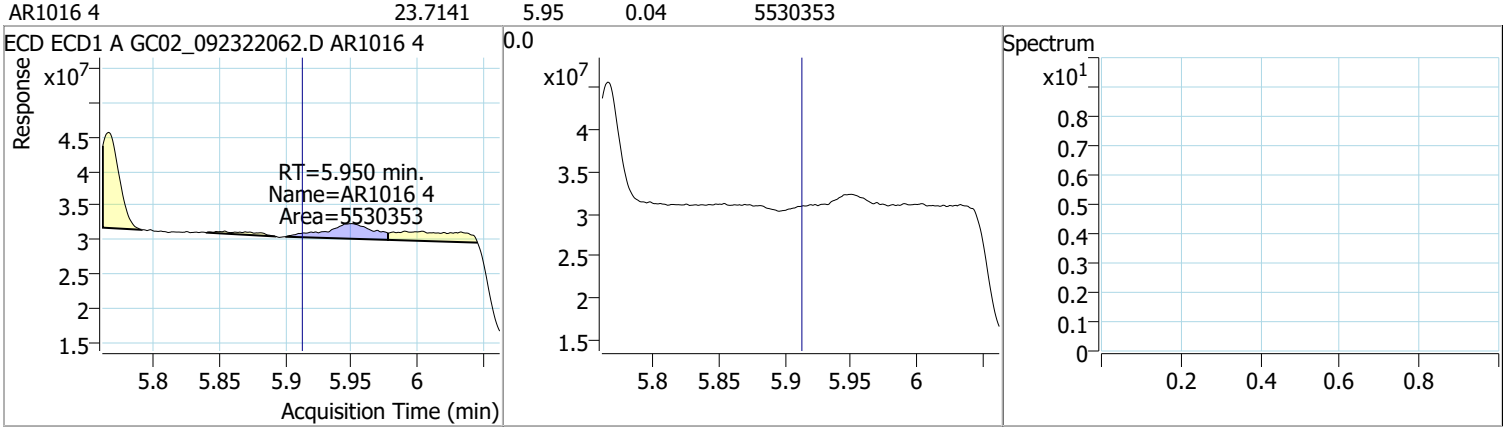
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	55.9275	5.77	-0.02	19740511				



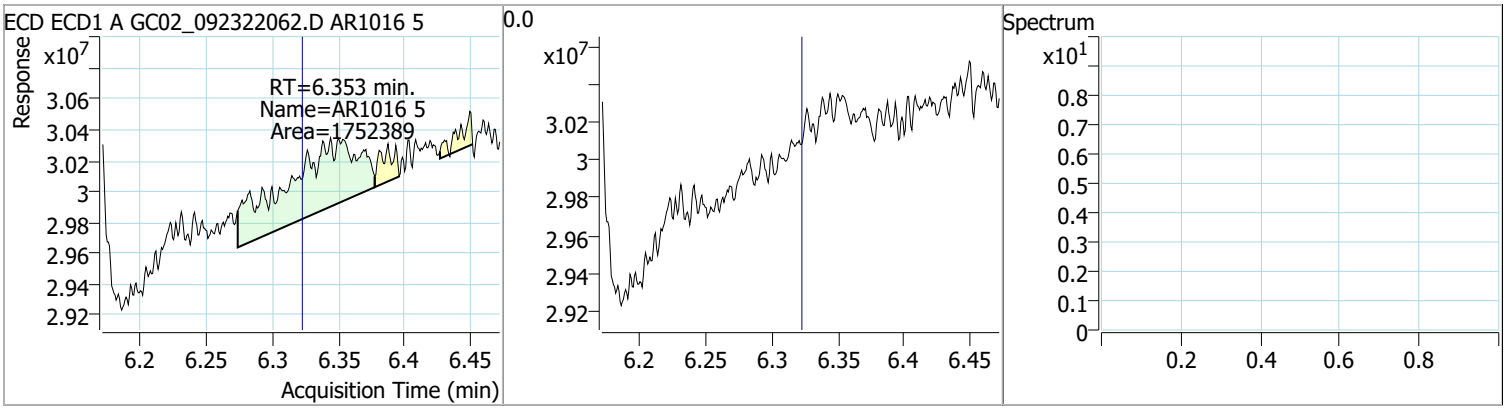
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	19.5213	5.87	0.01	294894				



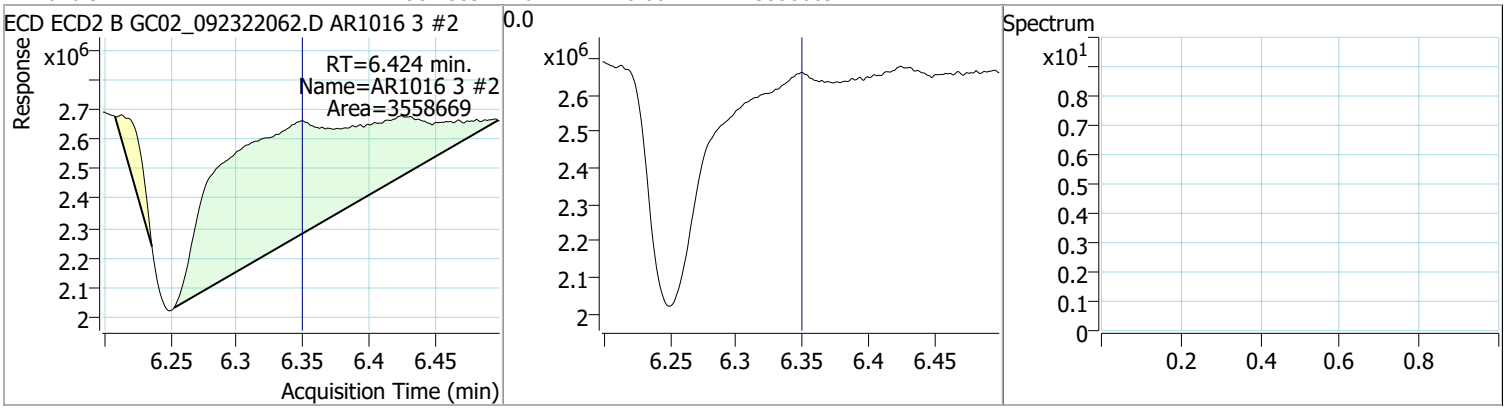
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	23.7141	5.95	0.04	5530353				



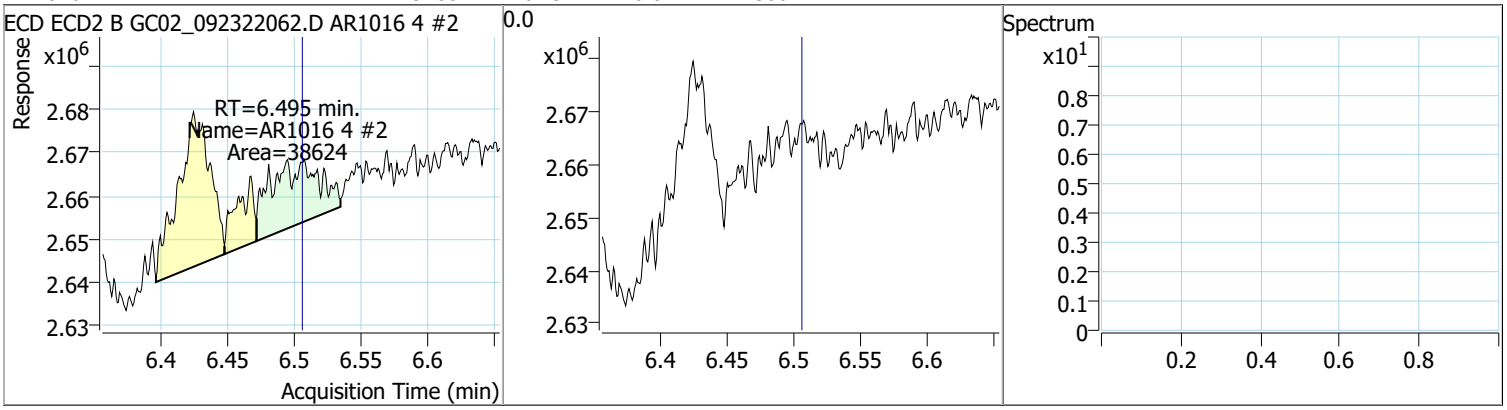
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	9.3375	6.35	0.03	1752389				



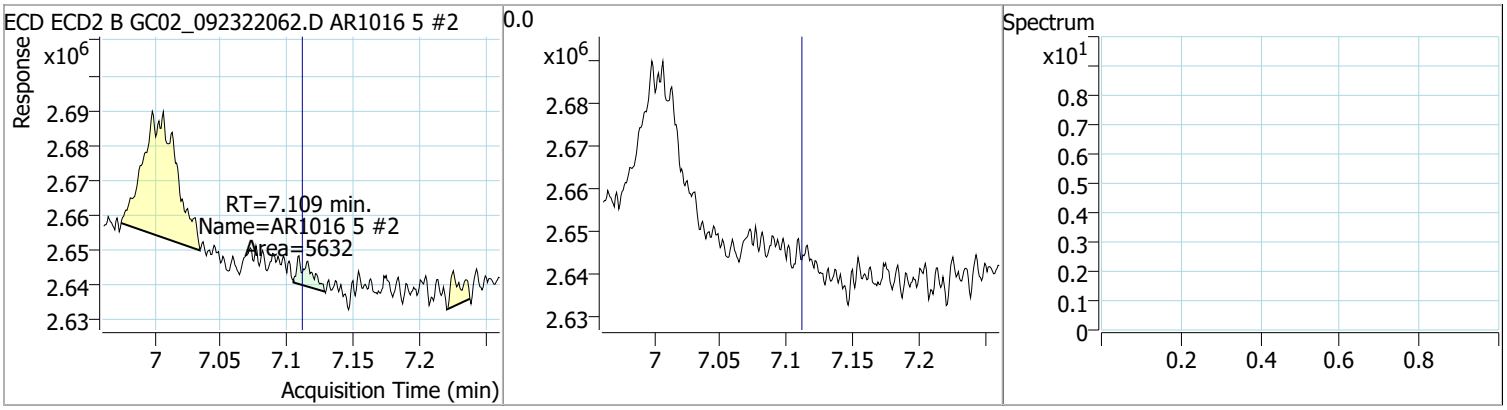
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	193.2539	6.42	0.08	3558669				



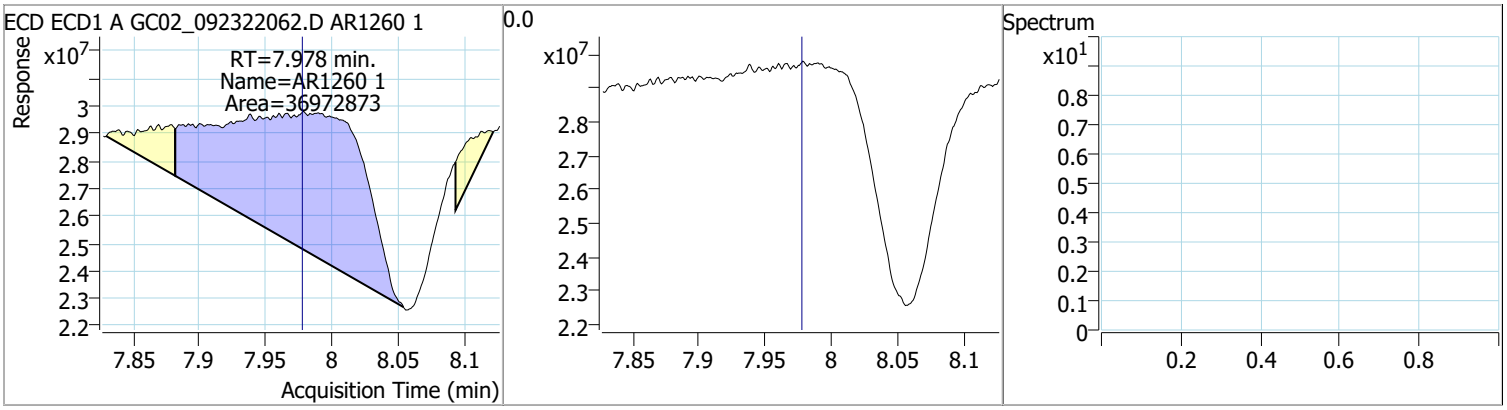
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.9180	6.49	-0.01	38624				



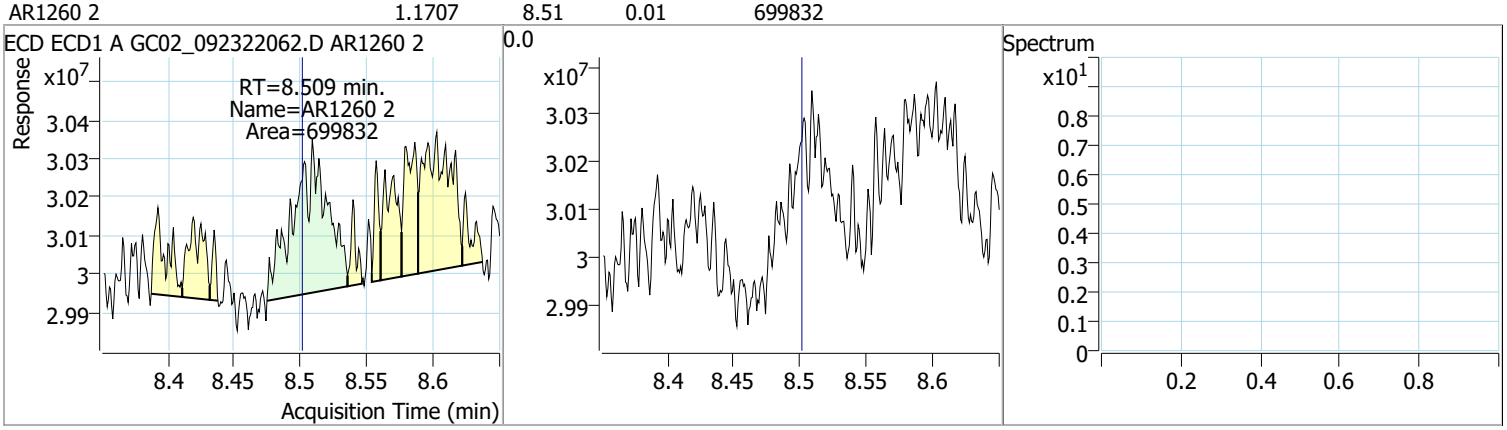
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.4967	7.11	0.00	5632				



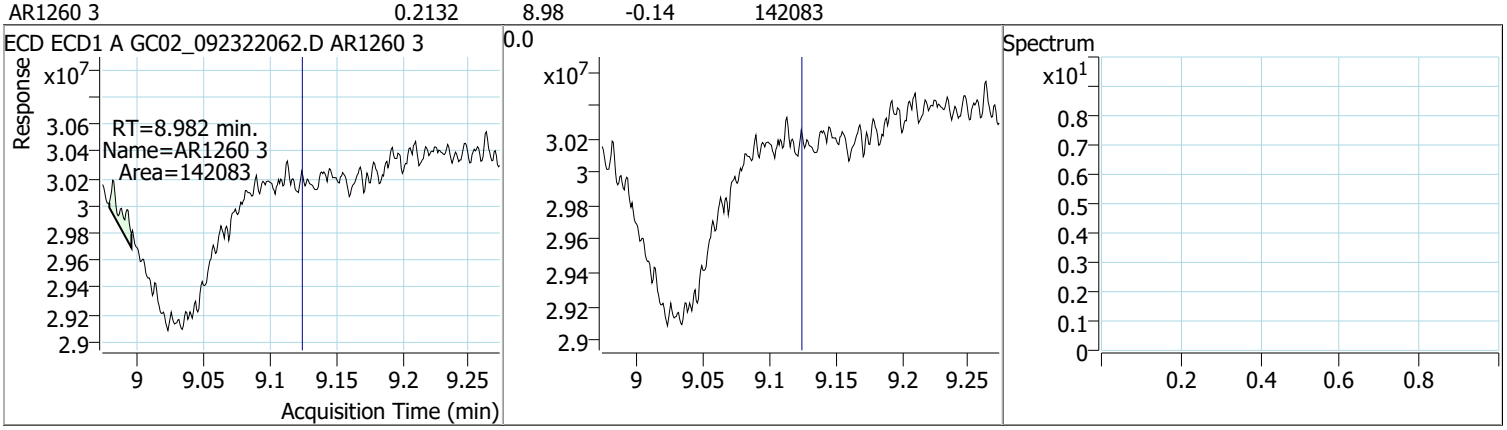
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	100.2306	7.98	0.00	36972873				



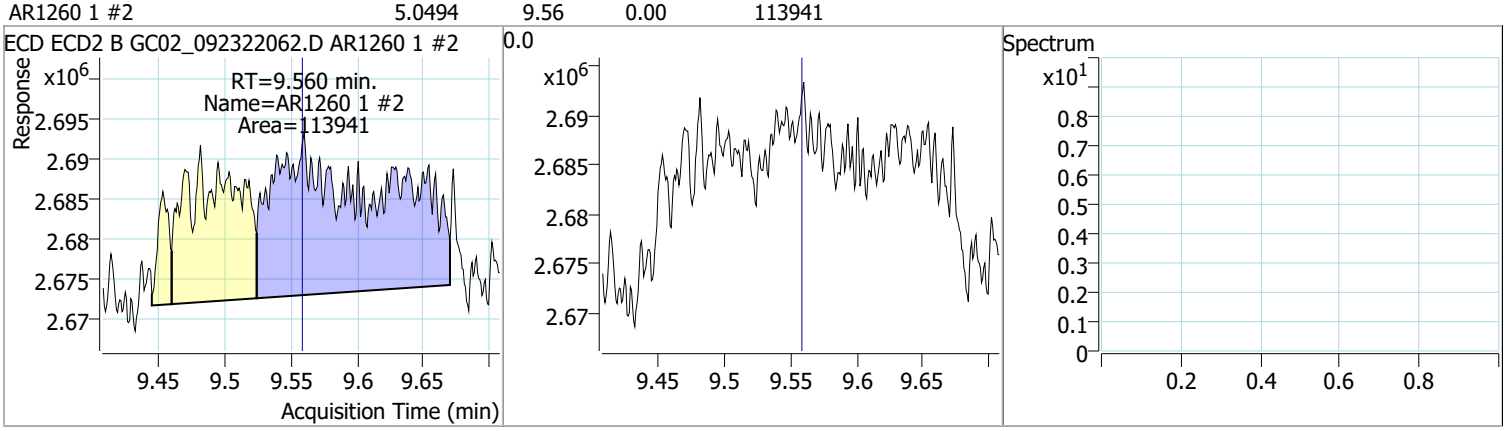
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.1707	8.51	0.01	699832				



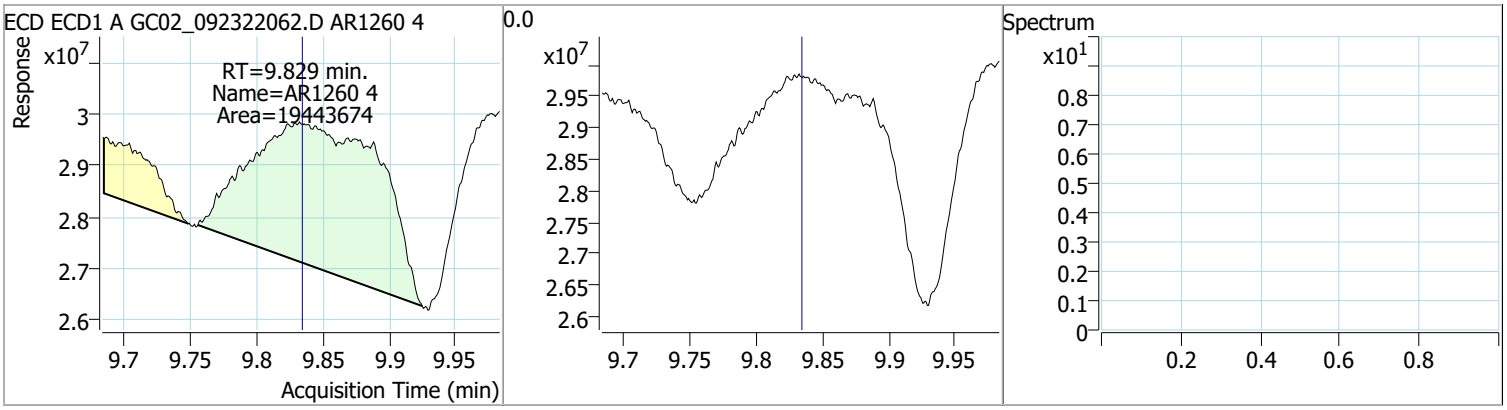
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	0.2132	8.98	-0.14	142083				



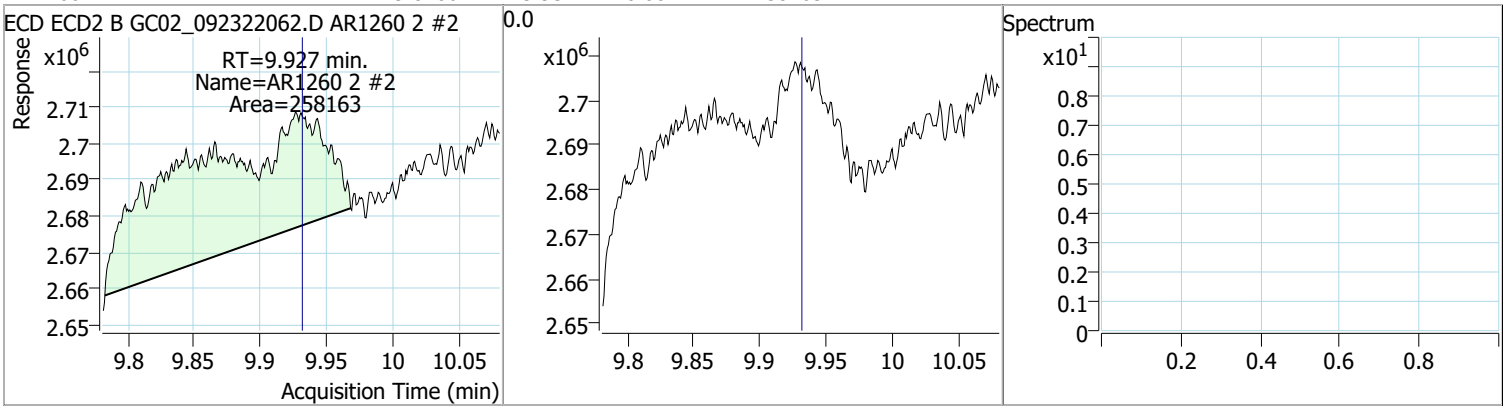
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	5.0494	9.56	0.00	113941				



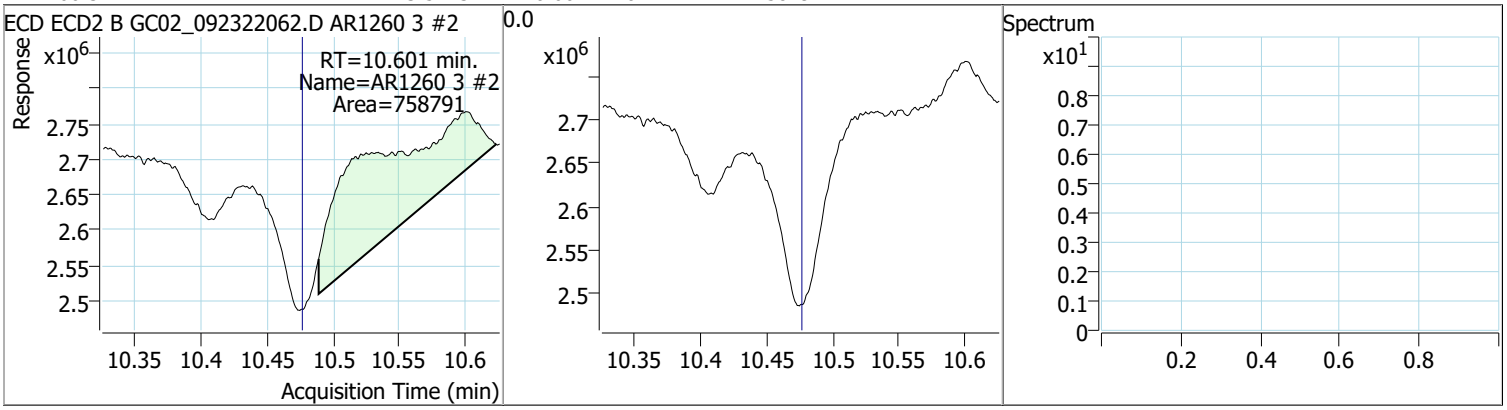
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	52.1657	9.83	0.00	19443674				



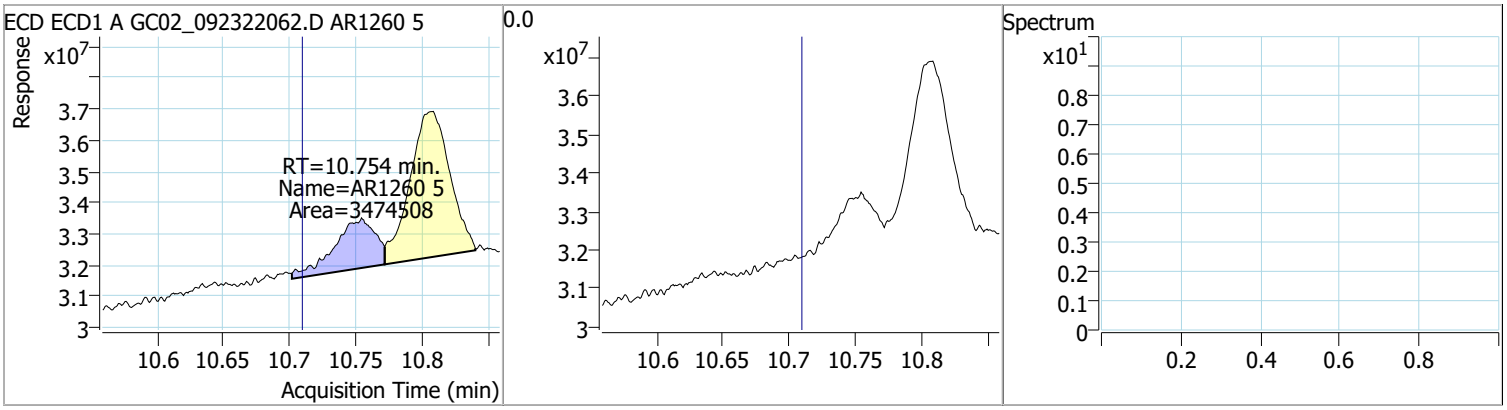
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	9.8106	9.93	0.00	258163				



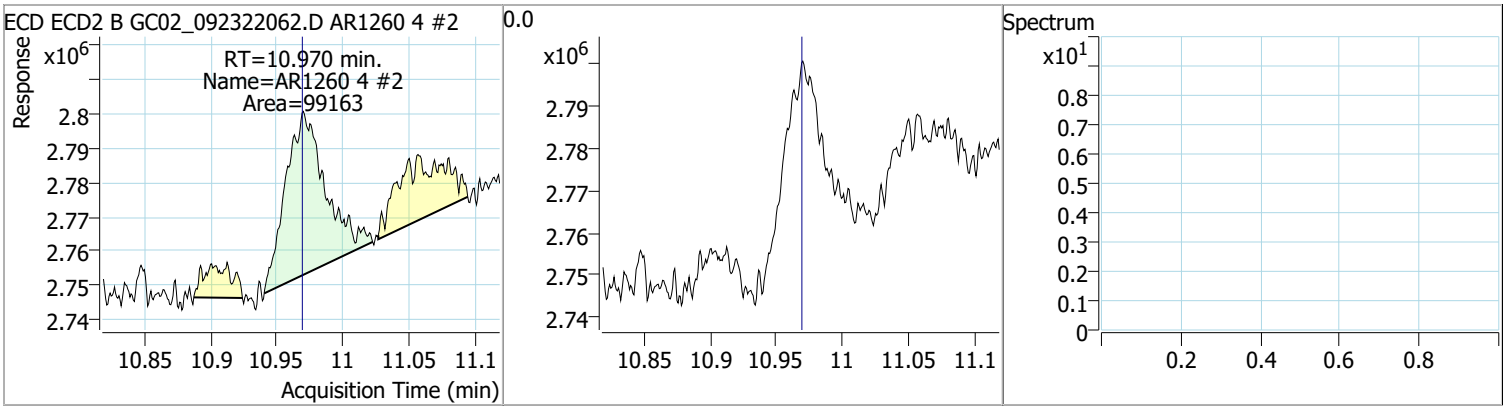
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	23.5723	10.60	0.12	758791				



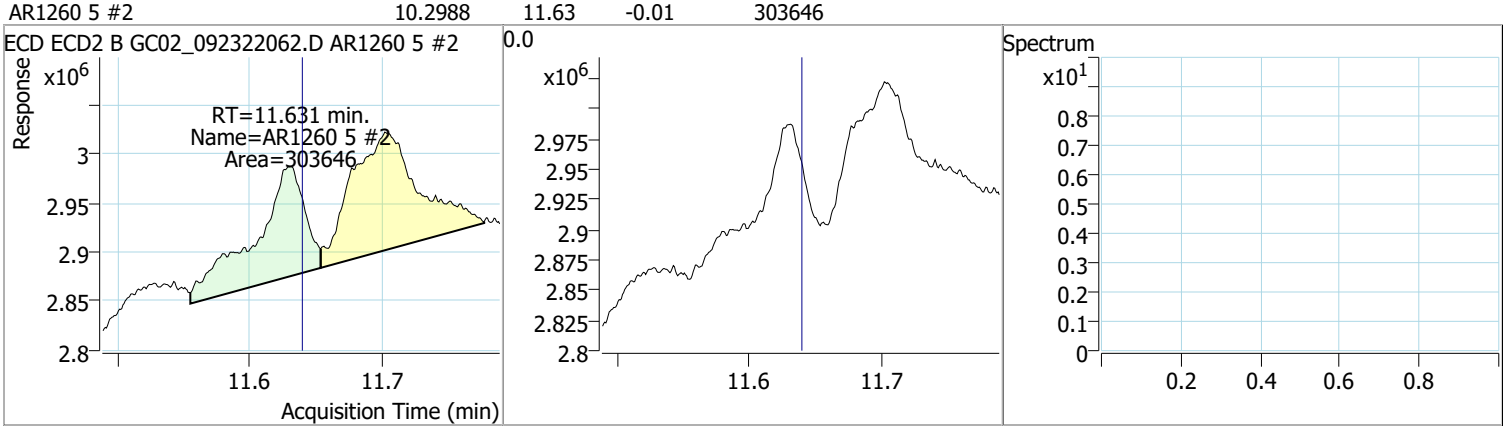
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	6.7951	10.75	0.05	3474508				



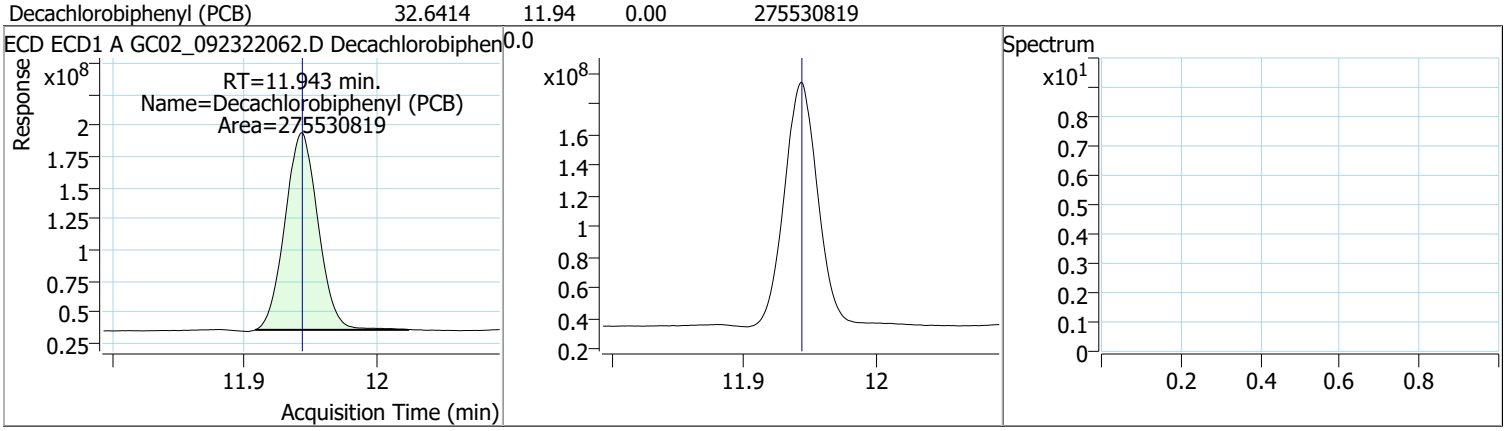
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	5.0470	10.97	0.00	99163				



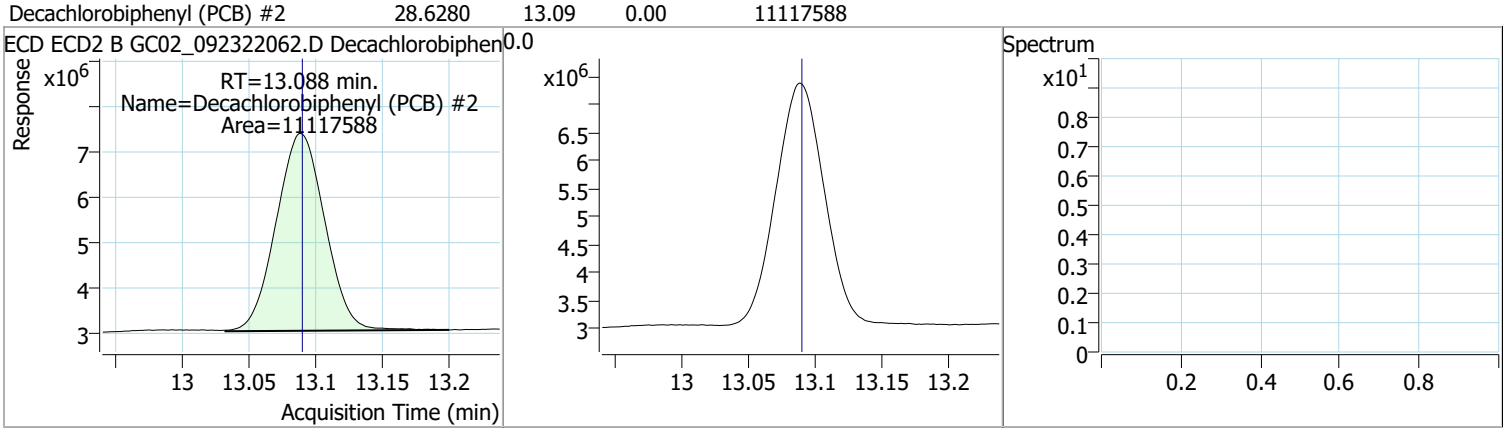
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	10.2988	11.63	-0.01	303646				



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)

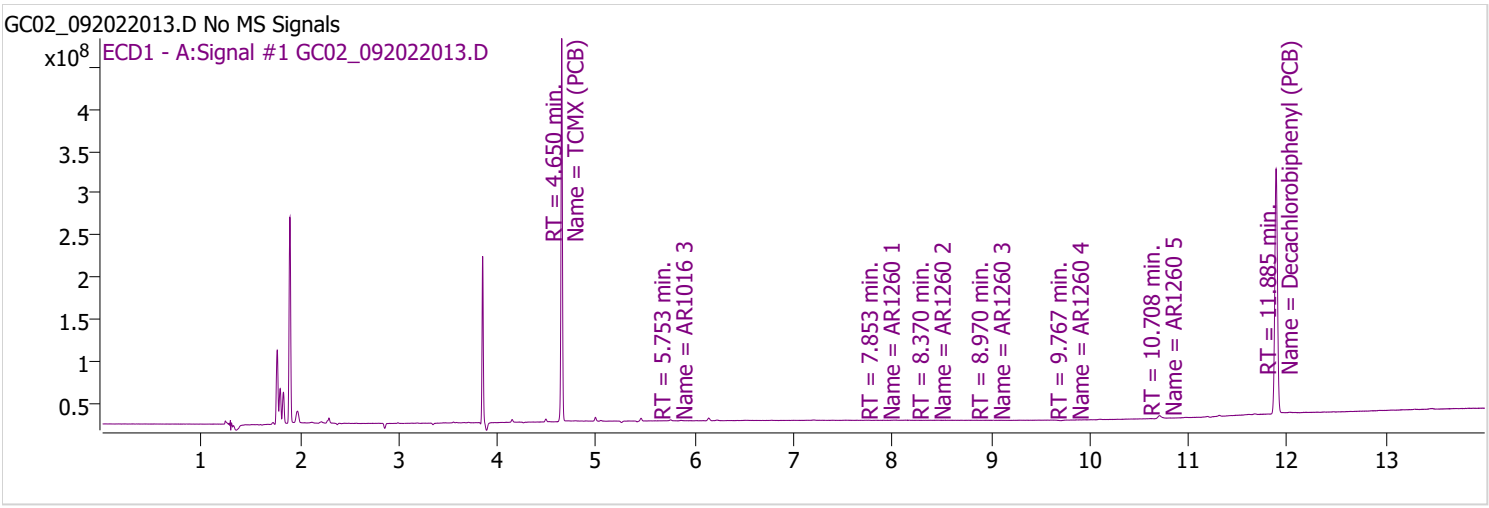
ISTD (CCV gc02_092022-008)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.03	4.03	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.85	3.85	0.00

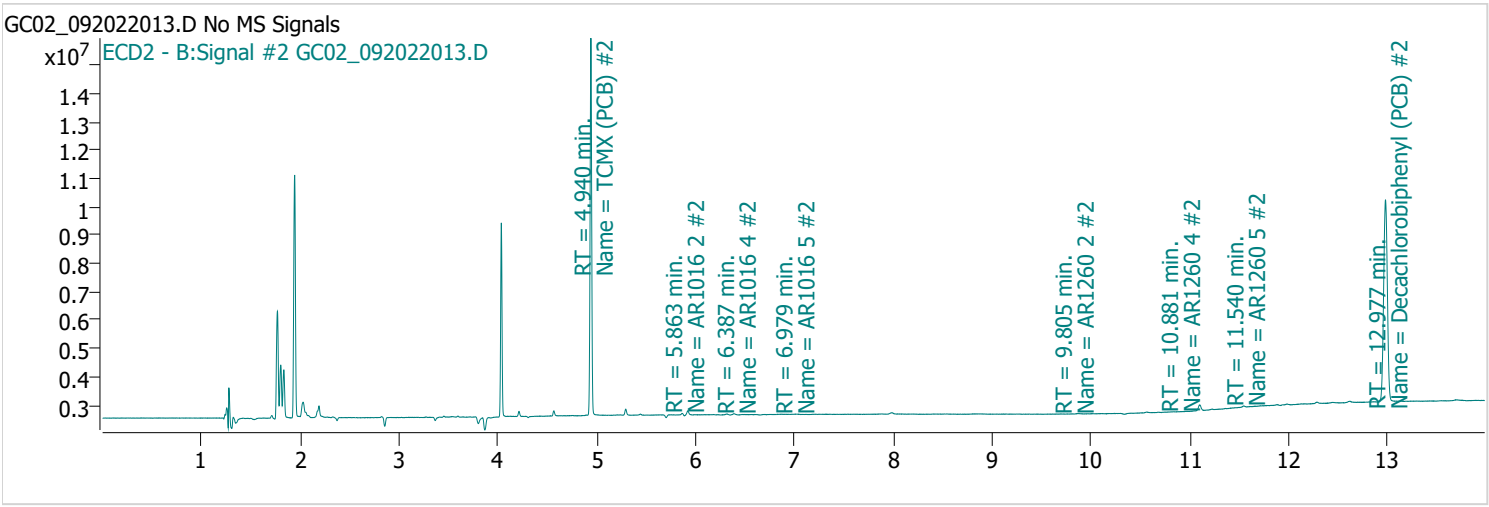
Analyst: TRN 09/26/22

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			



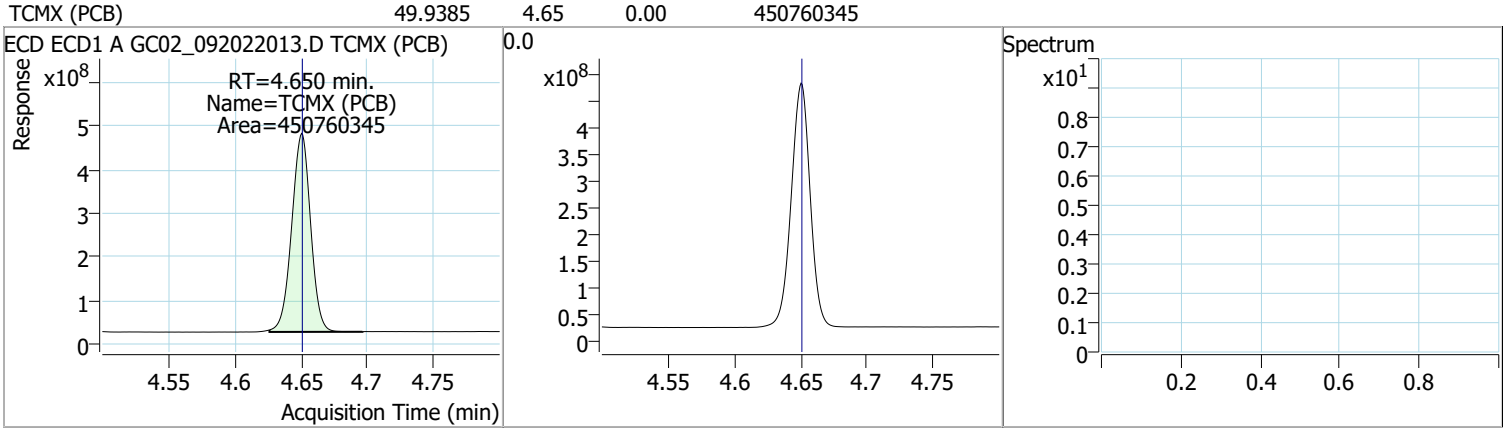


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.850	0.0	190821999.961	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.034	0.0	6784015.668	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.650	0.0	450760344.559	49.9385	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

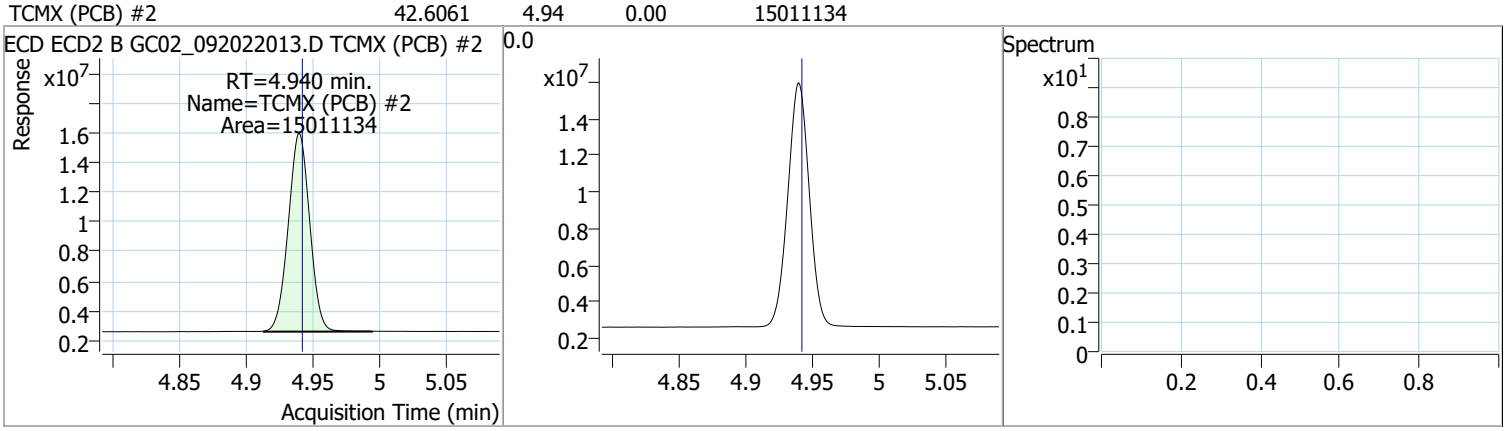
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.992	0.0	5246712.575	31.2626	ng/ml	100
T AR1016 2	5.328	0.0	10584297.129	32.6688	ng/ml	100
T AR1016 1 #2	5.441	0.0	65093.155	7.5937	ng/ml	100
T AR1016 3	5.753	0.0	794140.373	1.6264	ng/ml	100
T AR1016 2 #2	5.863	0.0	678598.651	39.2086	ng/ml	100
T 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

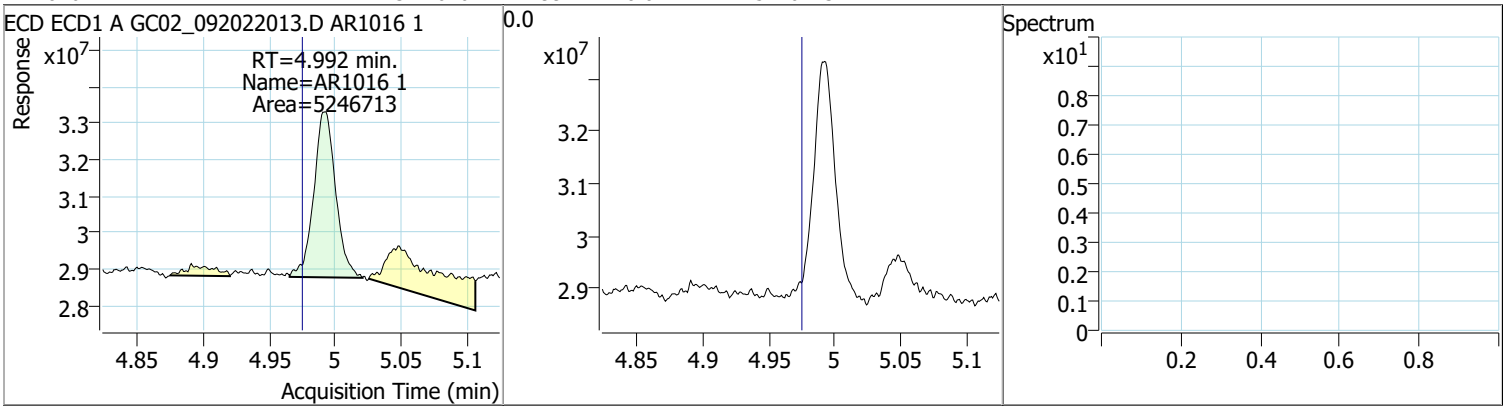
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	49.9385	4.65	0.00	450760345				



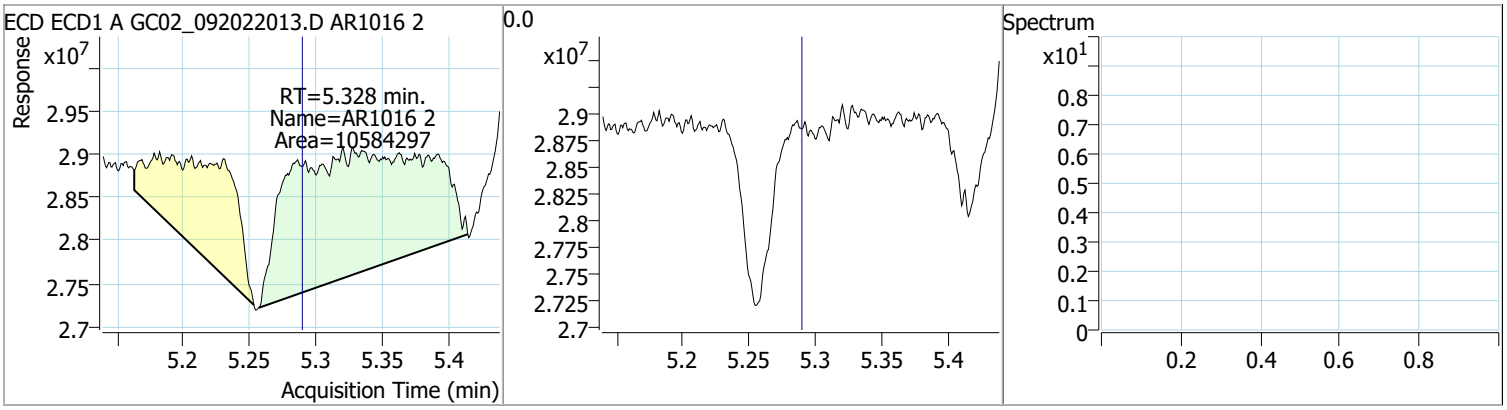
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	42.6061	4.94	0.00	15011134				



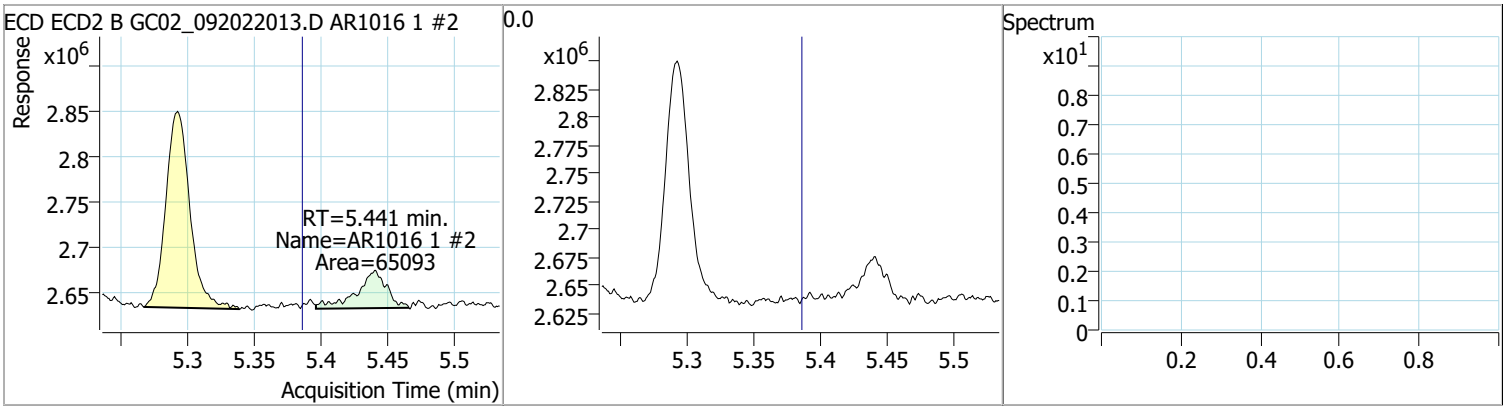
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	31.2626	4.99	0.02	5246713				



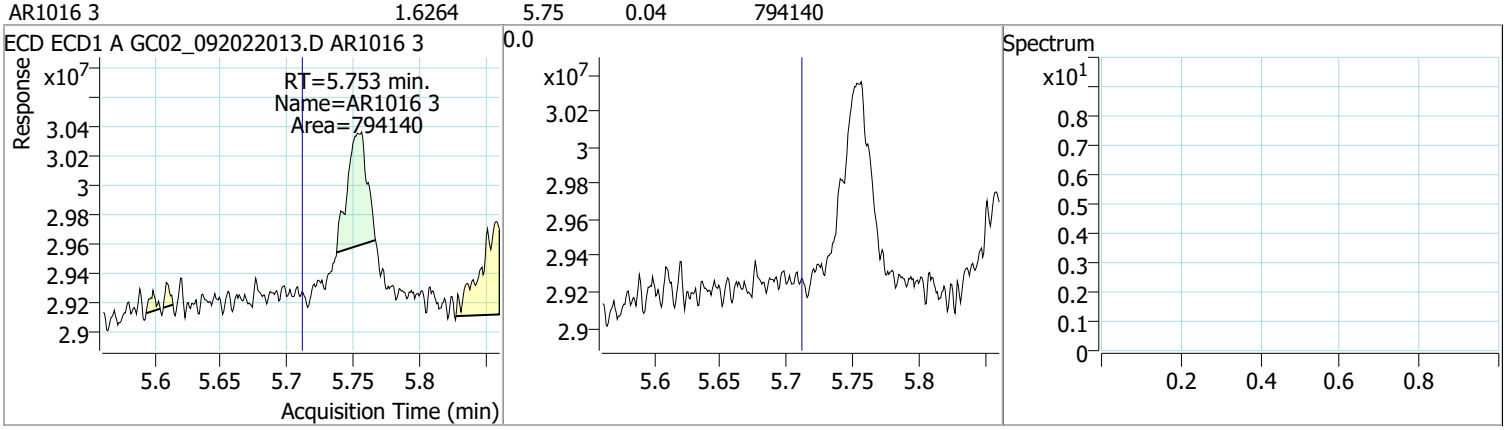
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	32.6688	5.33	0.04	10584297				



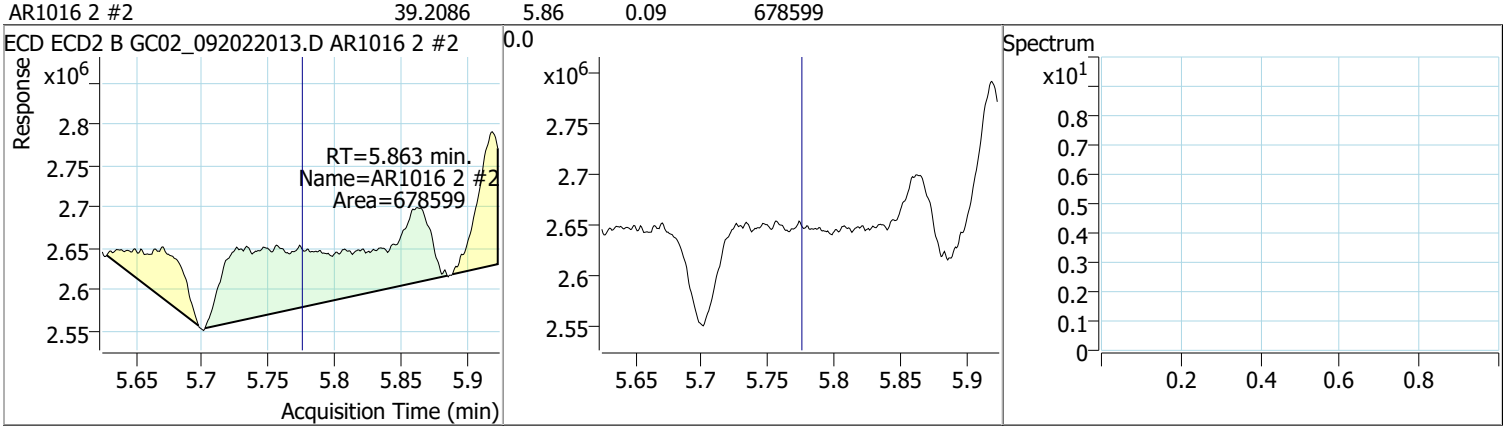
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	7.5937	5.44	0.06	65093				



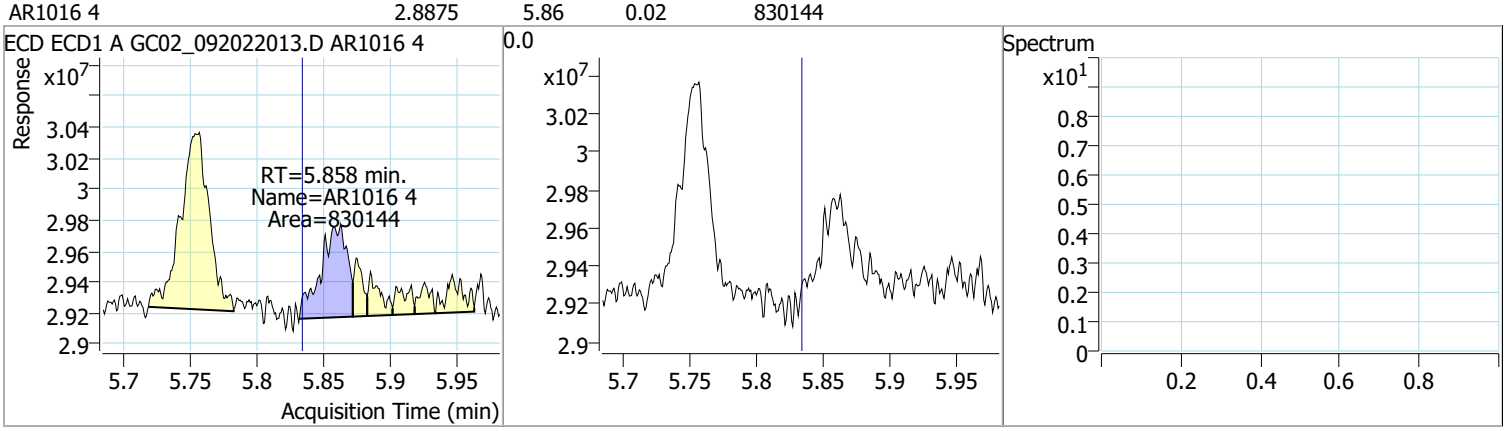
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1.6264	5.75	0.04	794140				



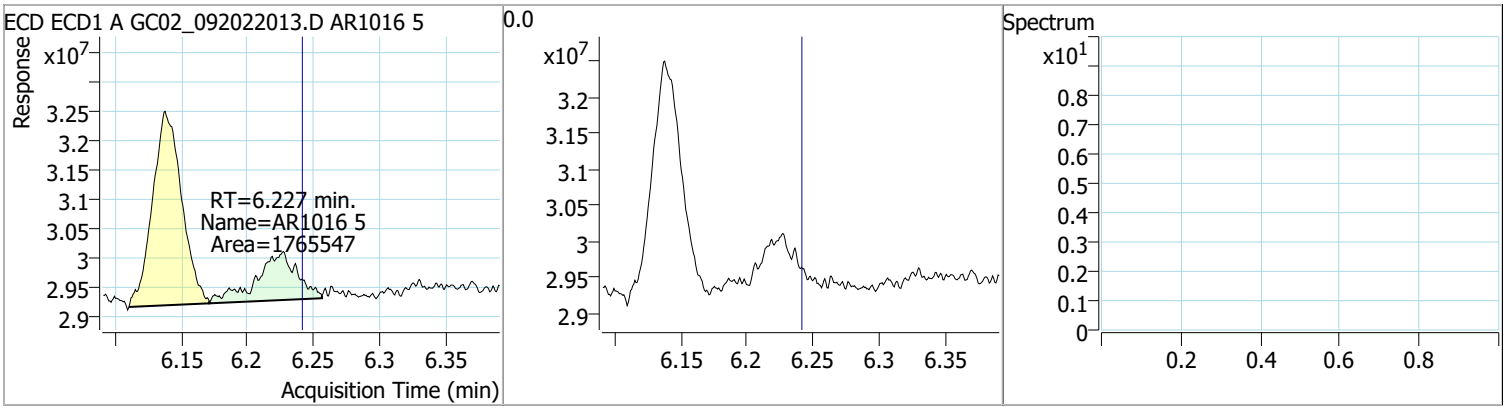
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	39.2086	5.86	0.09	678599				



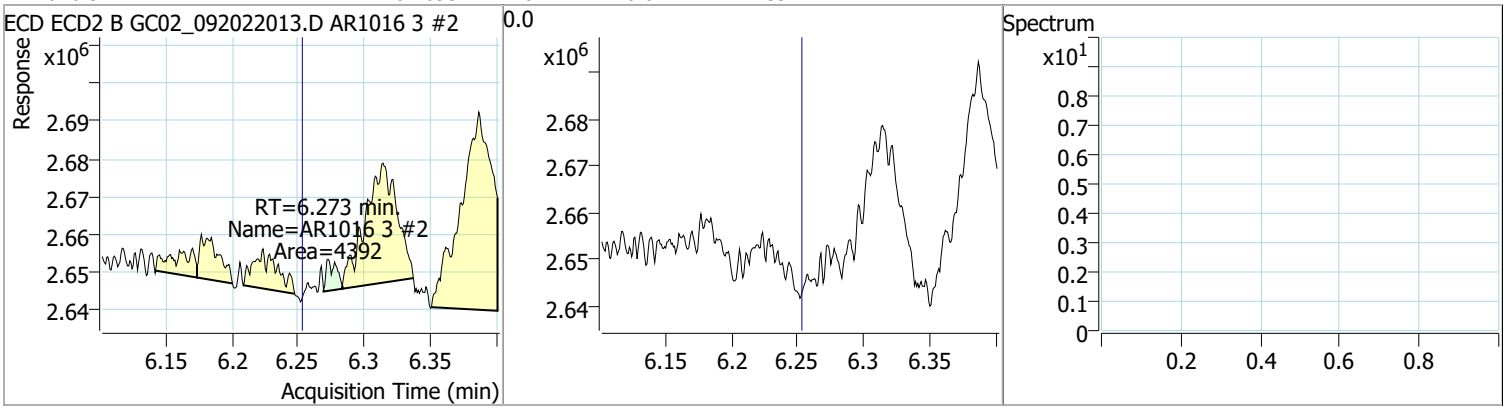
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2.8875	5.86	0.02	830144				



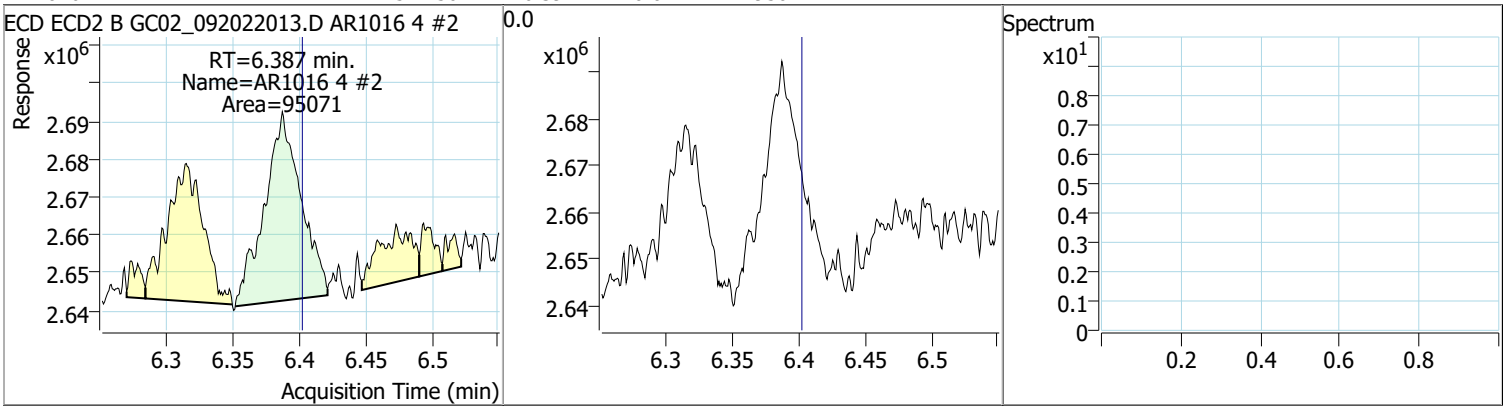
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	6.6679	6.23	-0.01	1765547				



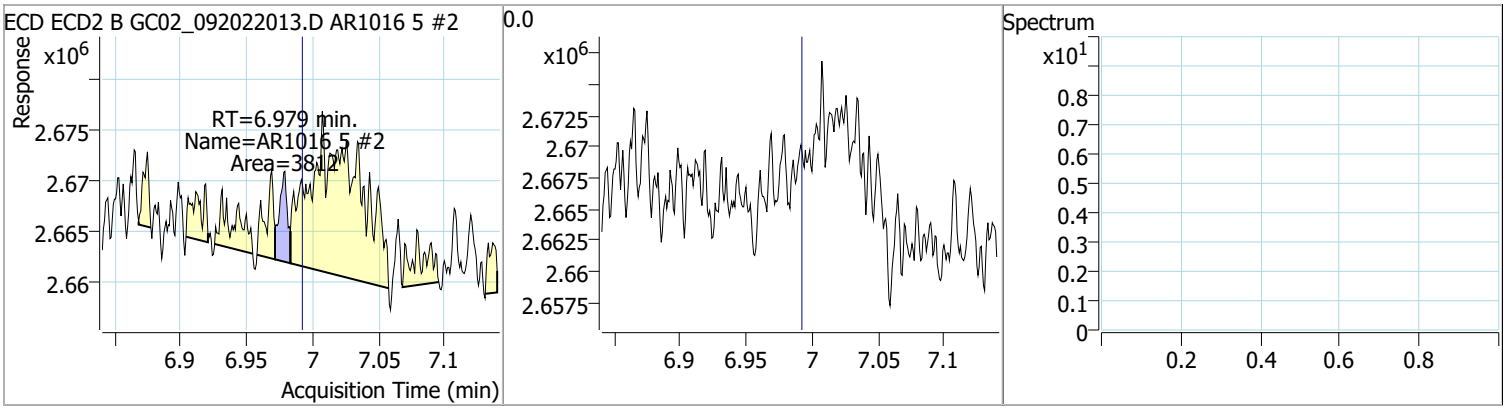
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	0.2093	6.27	0.02	4392				



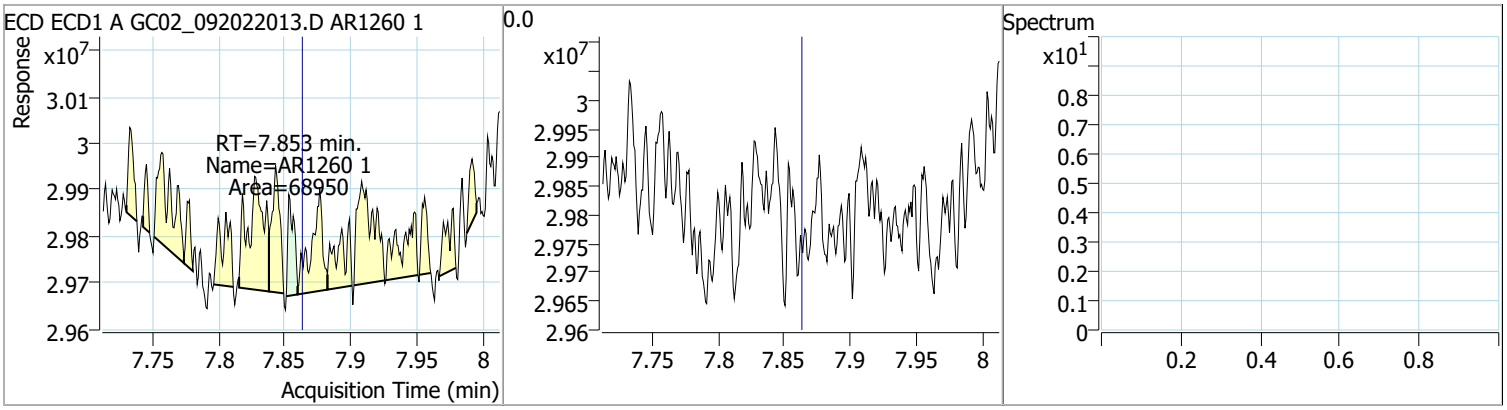
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	5.7456	6.39	-0.01	95071				



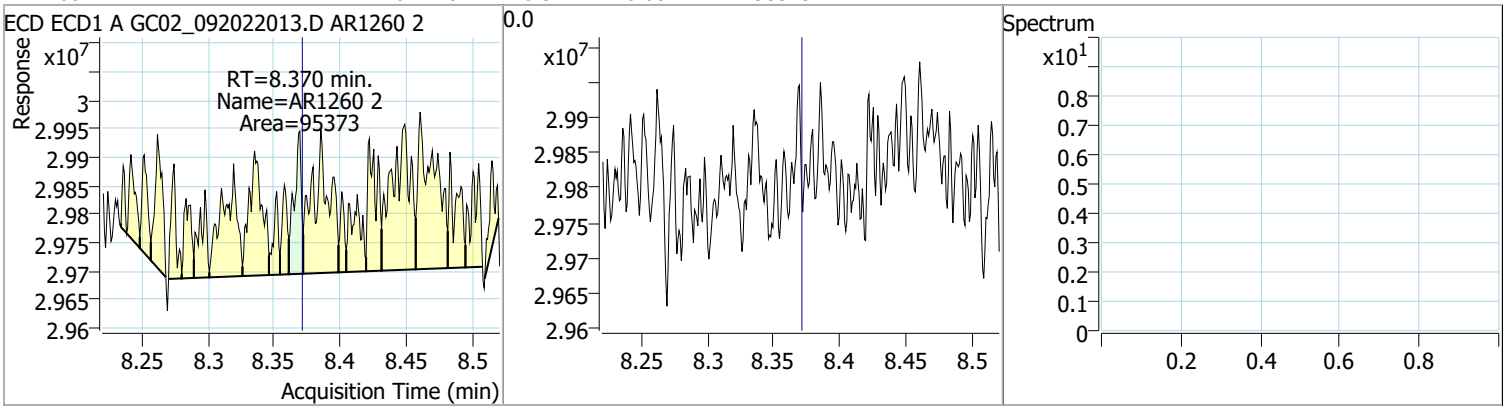
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.2858	6.98	-0.01	3812				



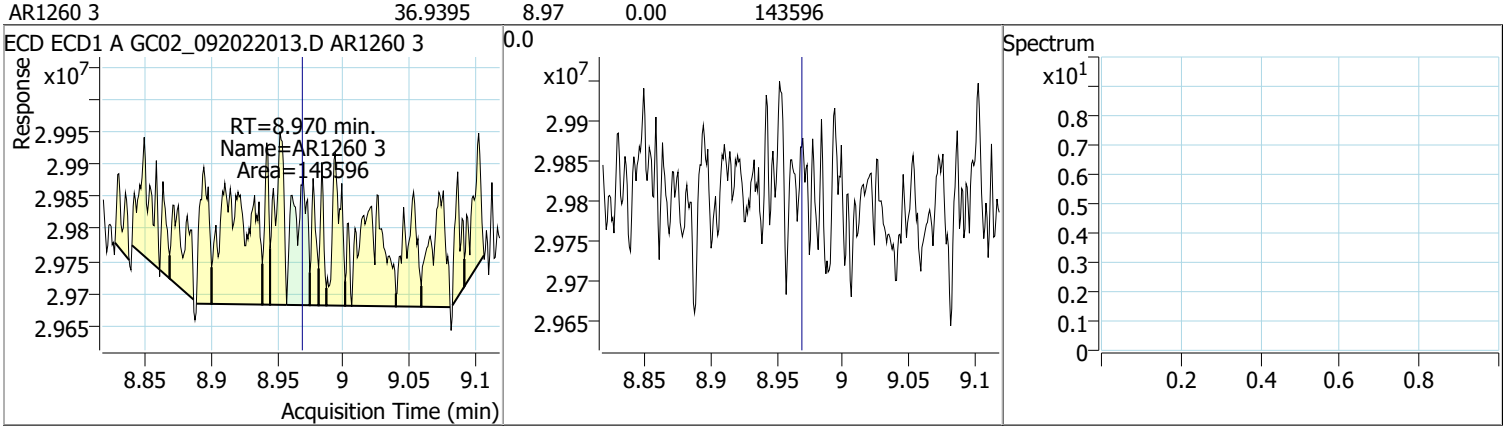
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.1349	7.85	-0.01	68950				



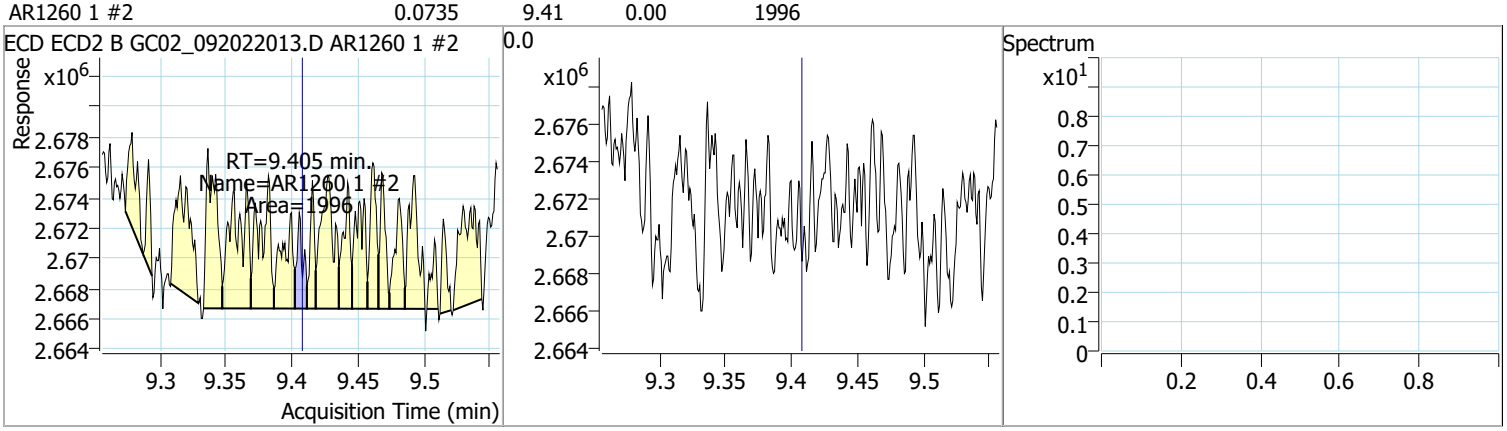
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1220	8.37	0.00	95373				



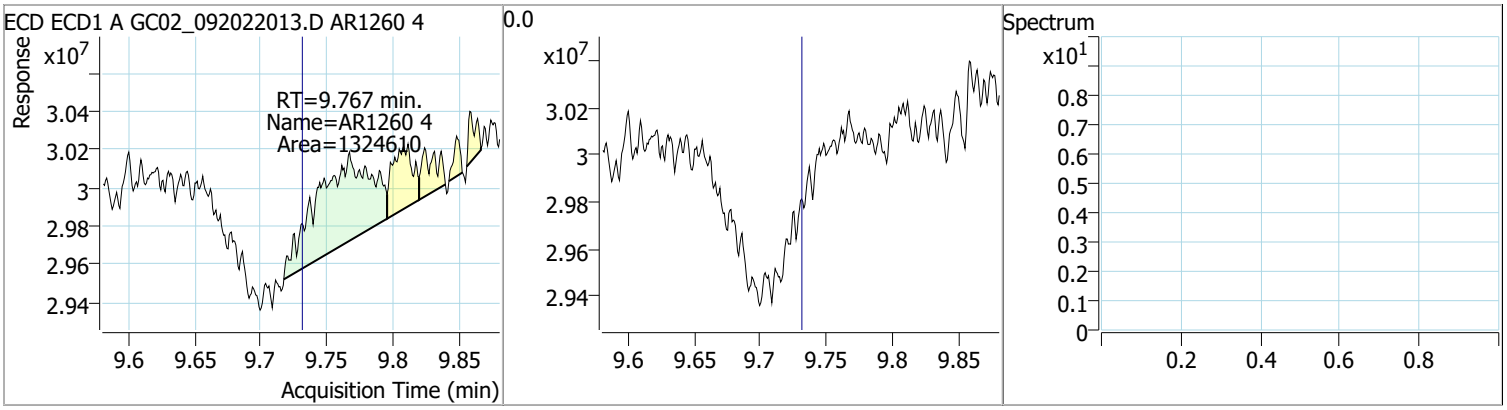
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AR1260 3	36.9395	8.97	0.00	143596				



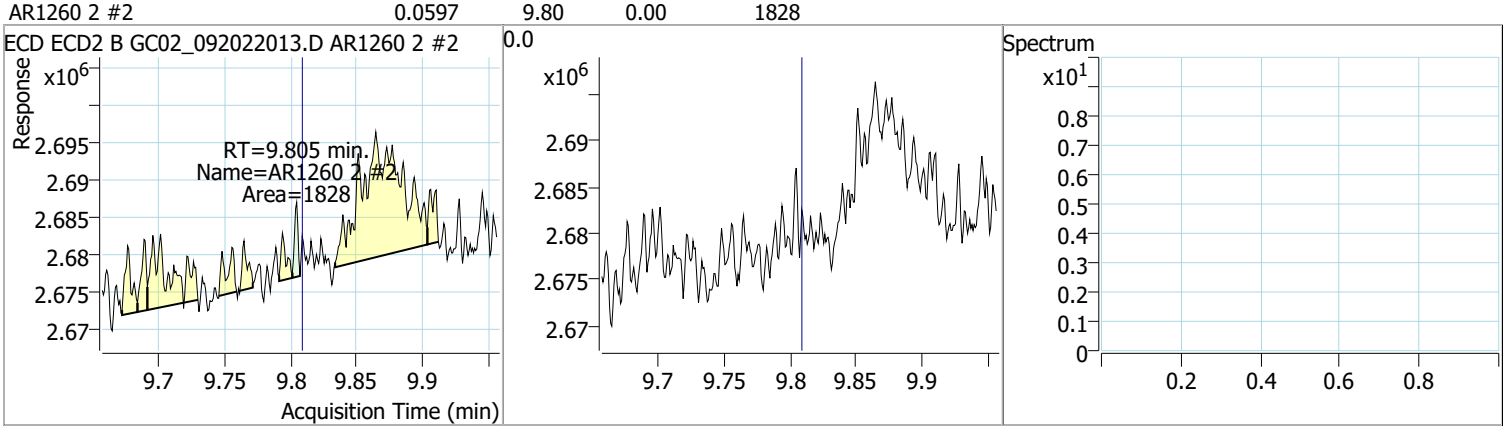
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AR1260 1 #2	0.0735	9.41	0.00	1996				



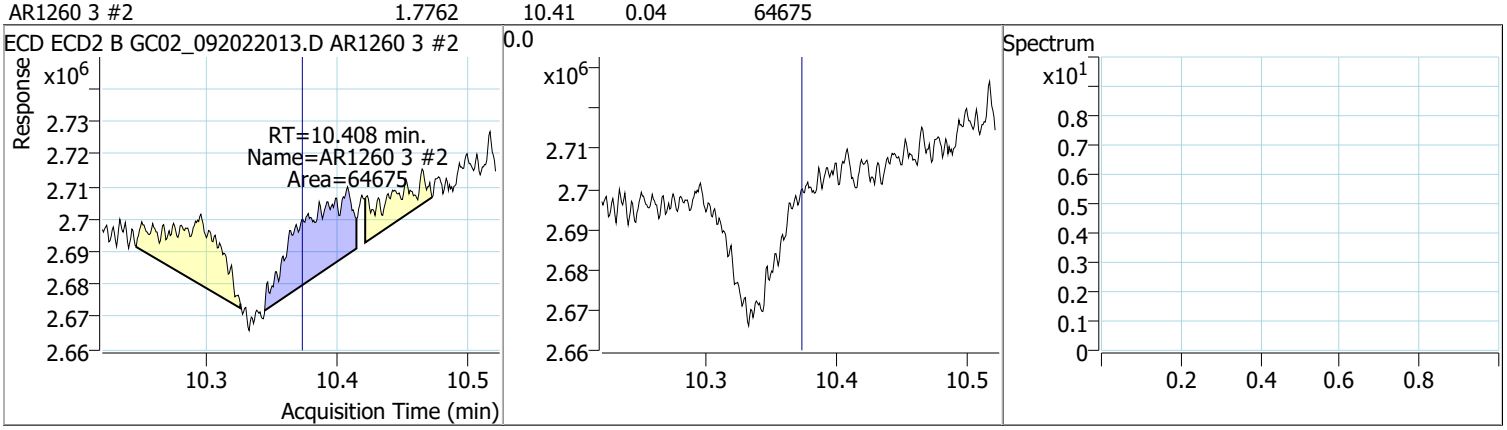
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	2.5187	9.77	0.04	1324610				



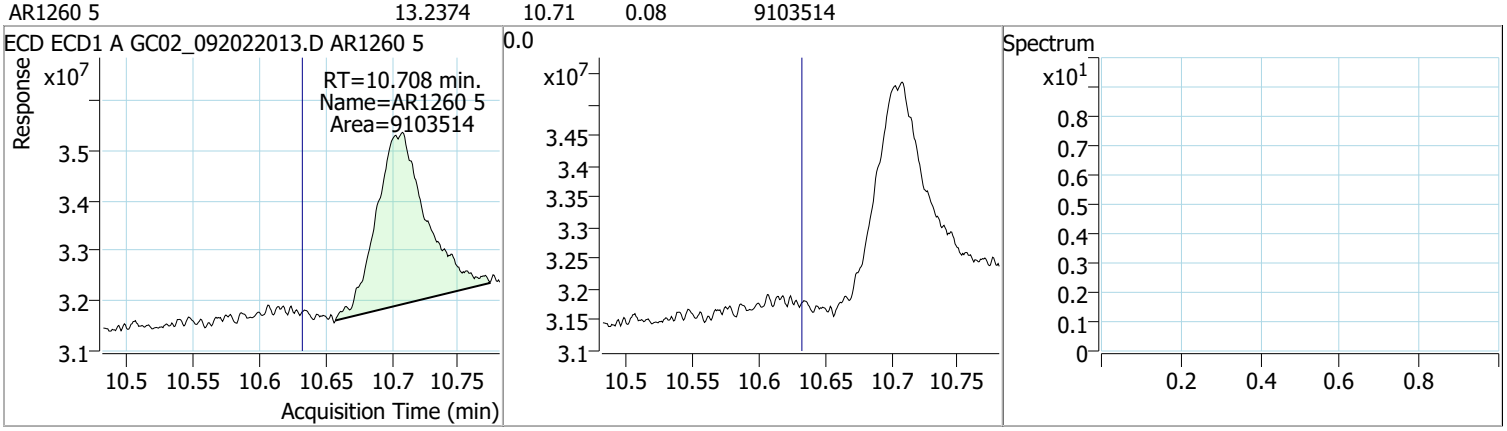
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.0597	9.80	0.00	1828				



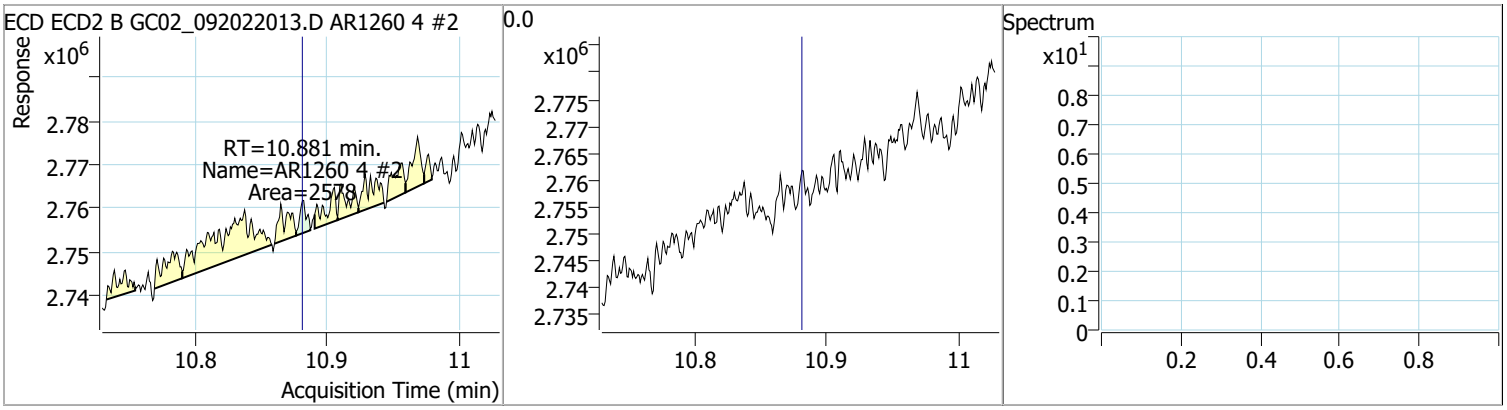
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1.7762	10.41	0.04	64675				



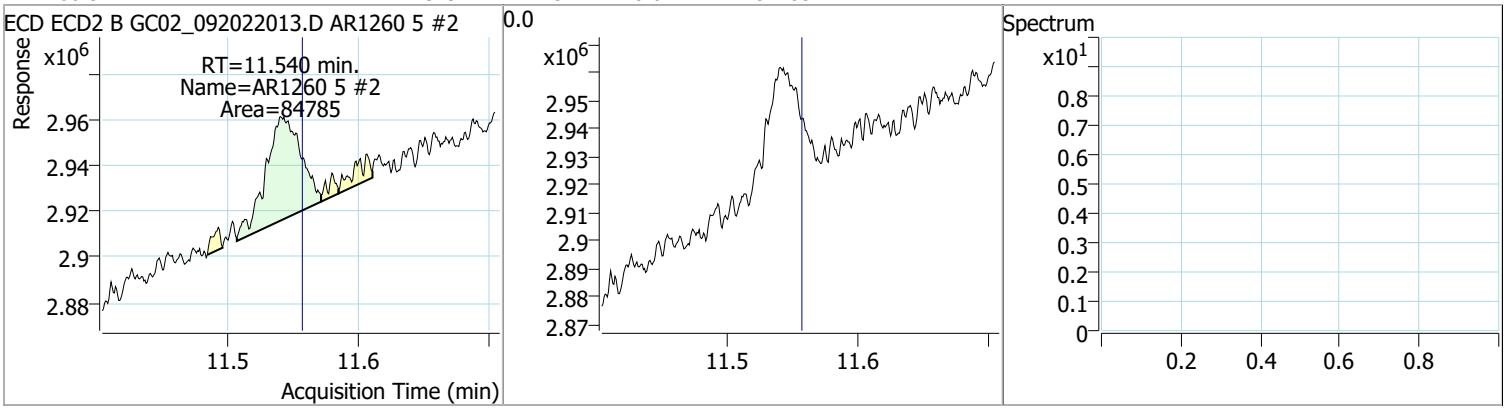
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	13.2374	10.71	0.08	9103514				



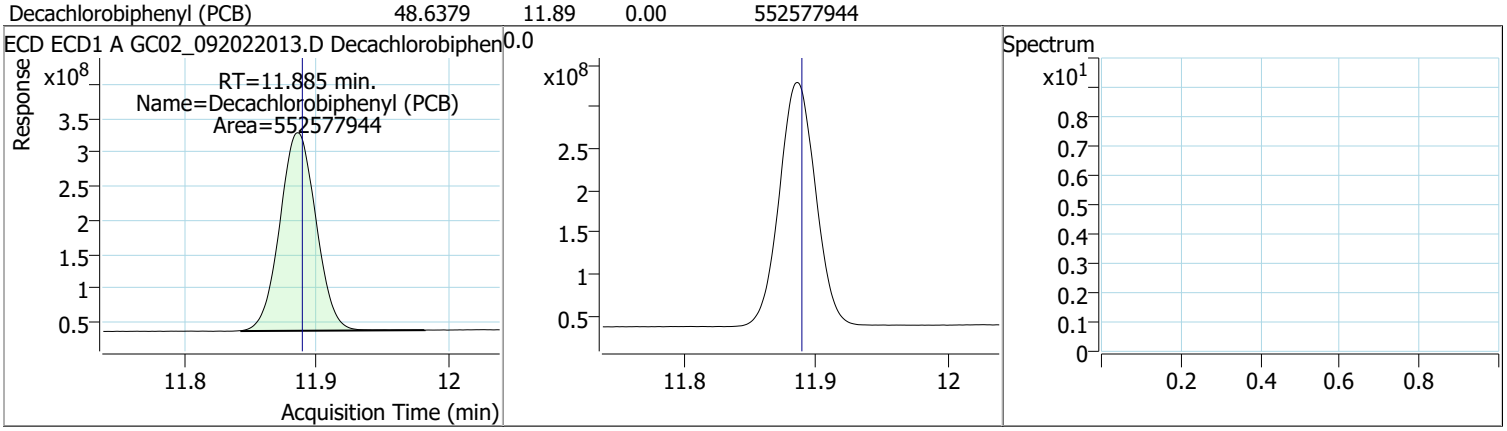
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.1229	10.88	0.00	2578				



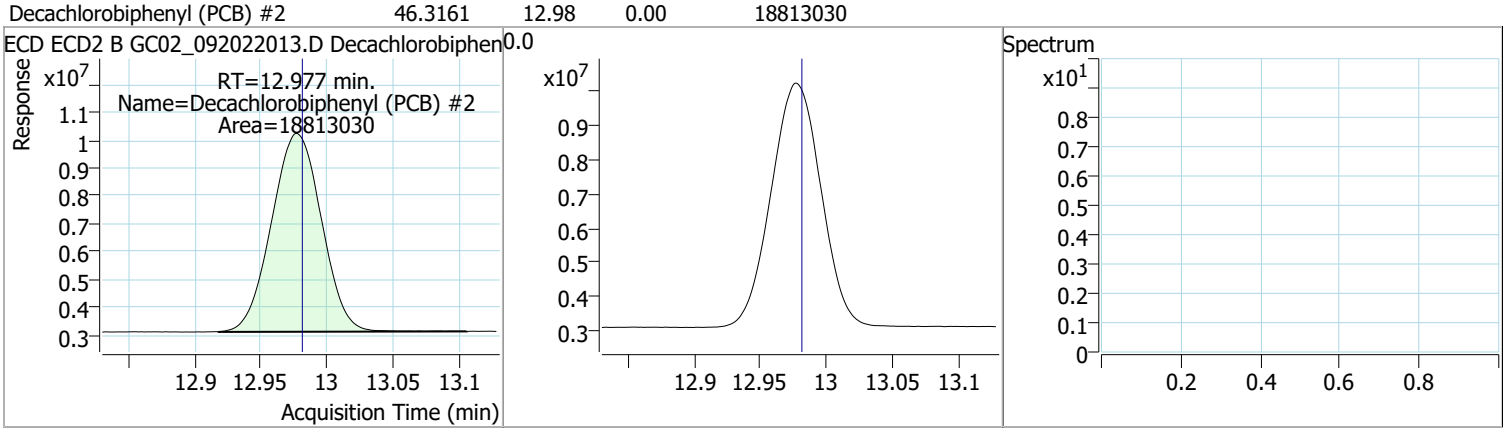
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	2.7319	11.54	-0.01	84785				



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)

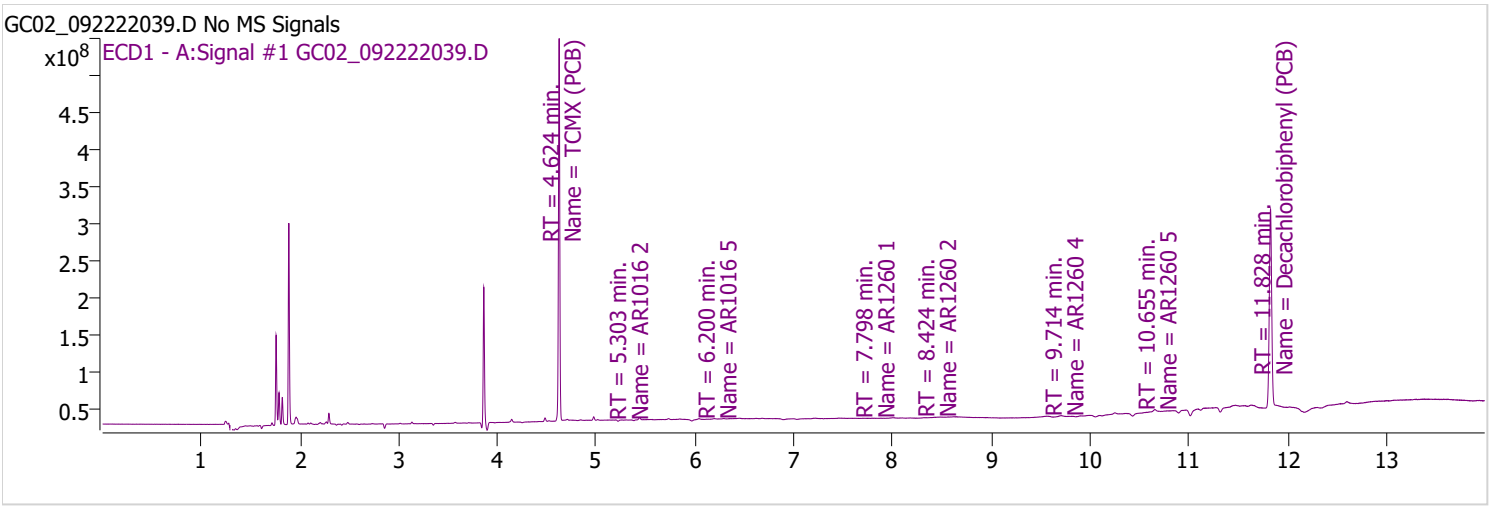
ISTD (CCV gc02_092222-004)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.05	4.05	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.86	3.86	0.00

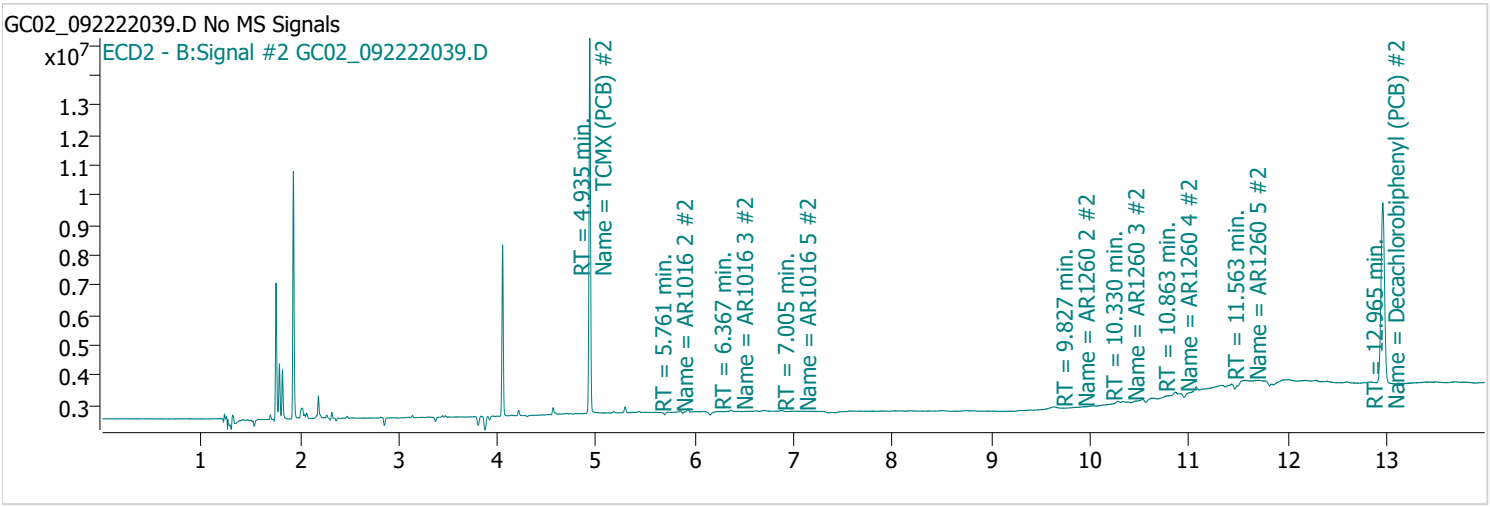
Analyst: TRN 09/26/22

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			



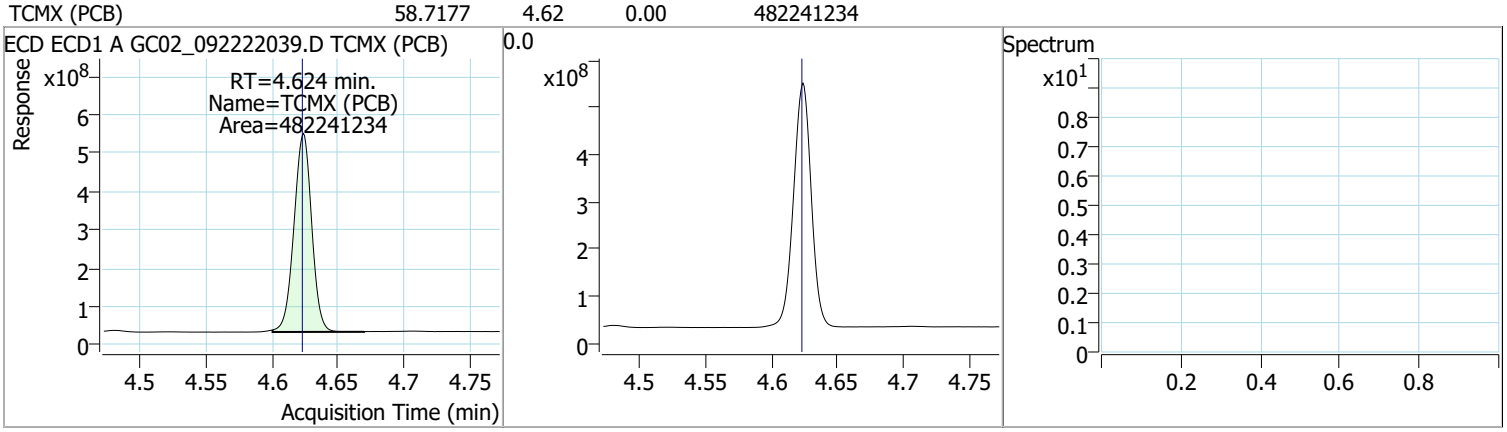


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.861	0.0	173625695.233	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.051	0.0	5538720.444	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.624	0.0	482241233.918	58.7177	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

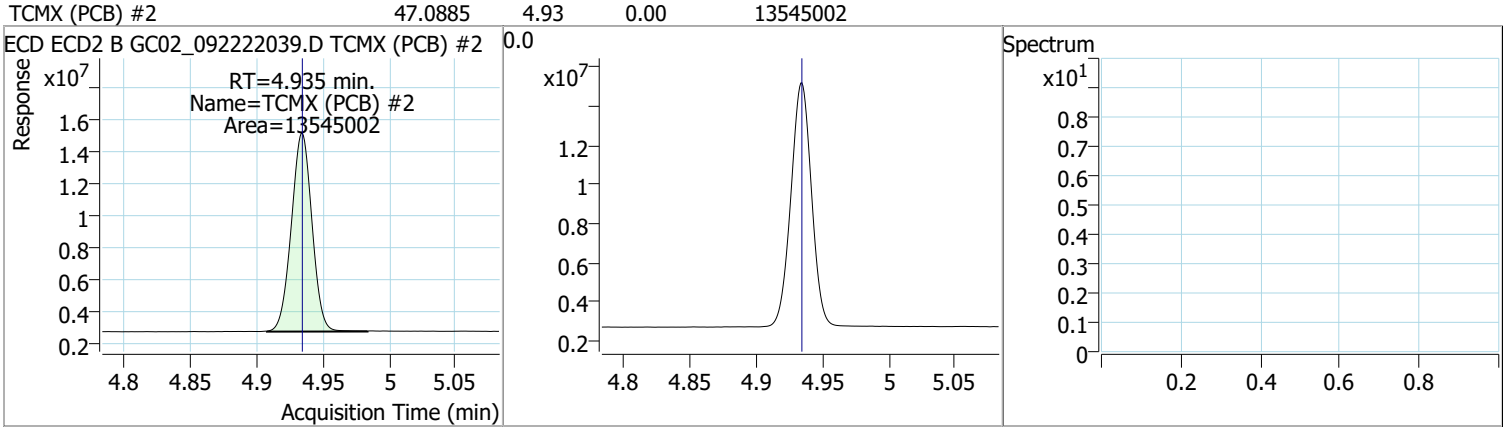
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.974	0.0	4930155.235	32.2859	ng/ml	100
T AR1016 2	5.303	0.0	10320044.037	35.0080	ng/ml	100
T AR1016 1 #2	5.370	0.0	16975.985	2.4256	ng/ml	100
T AR1016 3	5.665	0.0	321685.543	0.7241	ng/ml	100
T AR1016 2 #2	5.761	0.0	54519.154	3.8583	ng/ml	100
T AR1016 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

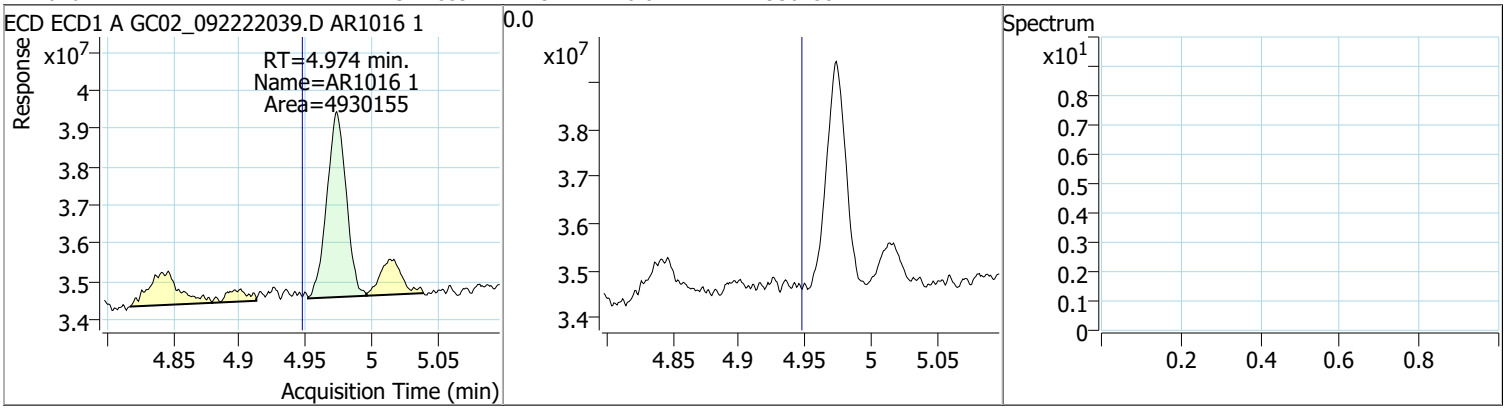
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	58.7177	4.62	0.00	482241234				



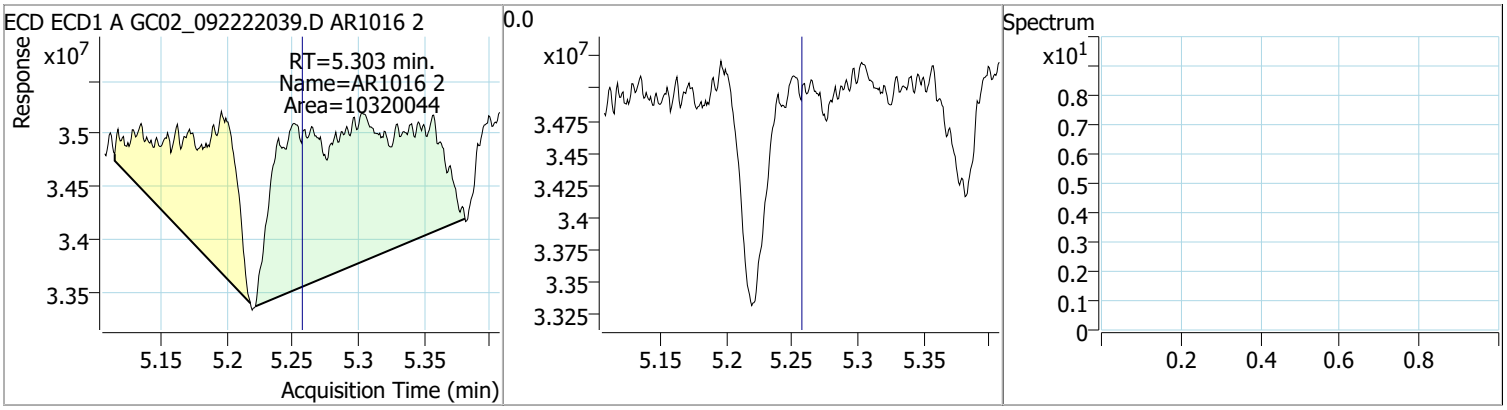
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	47.0885	4.93	0.00	13545002				



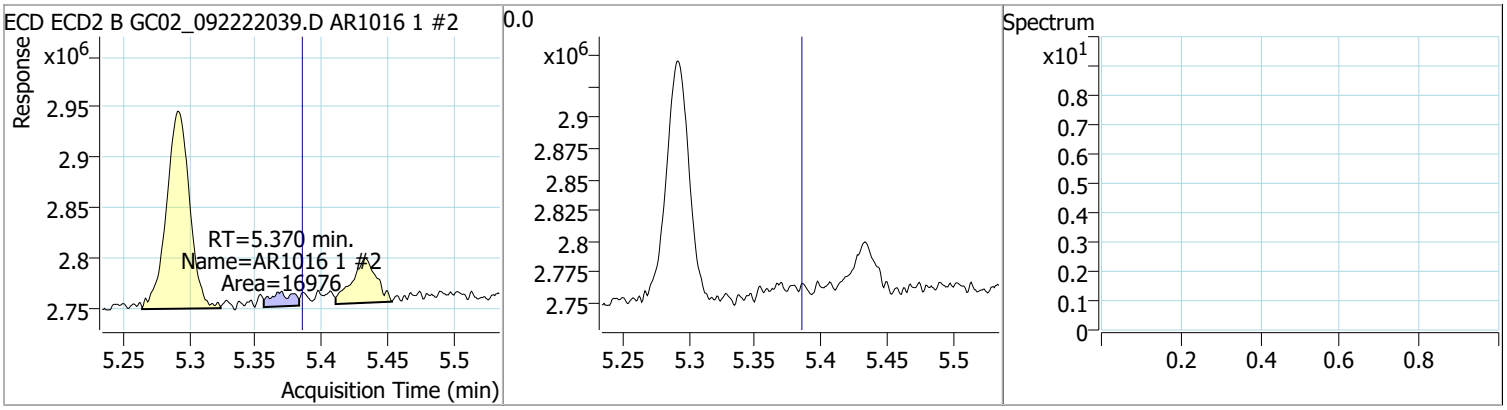
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	32.2859	4.97	0.02	4930155				



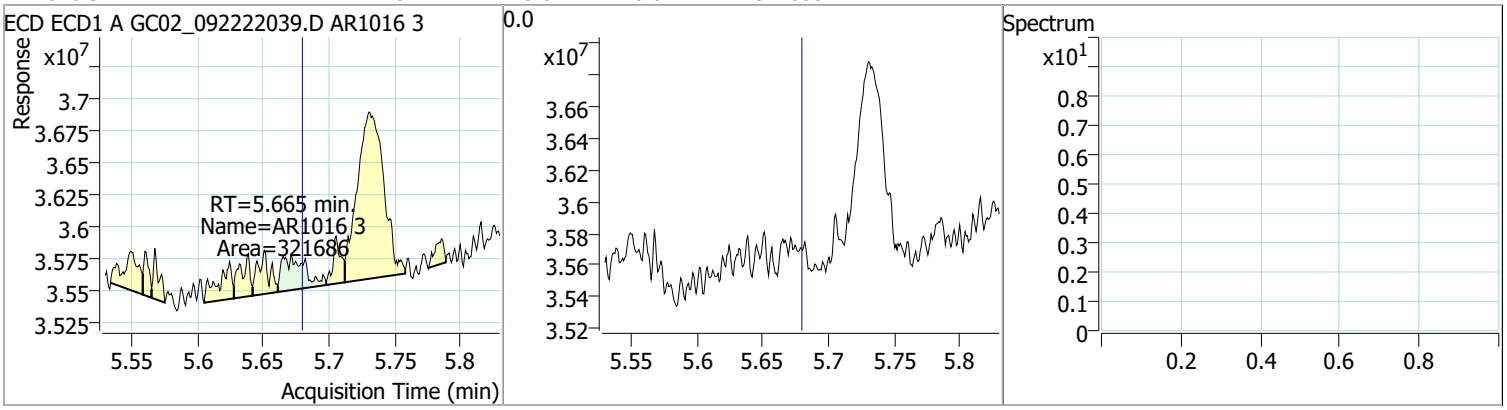
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	35.0080	5.30	0.04	10320044				



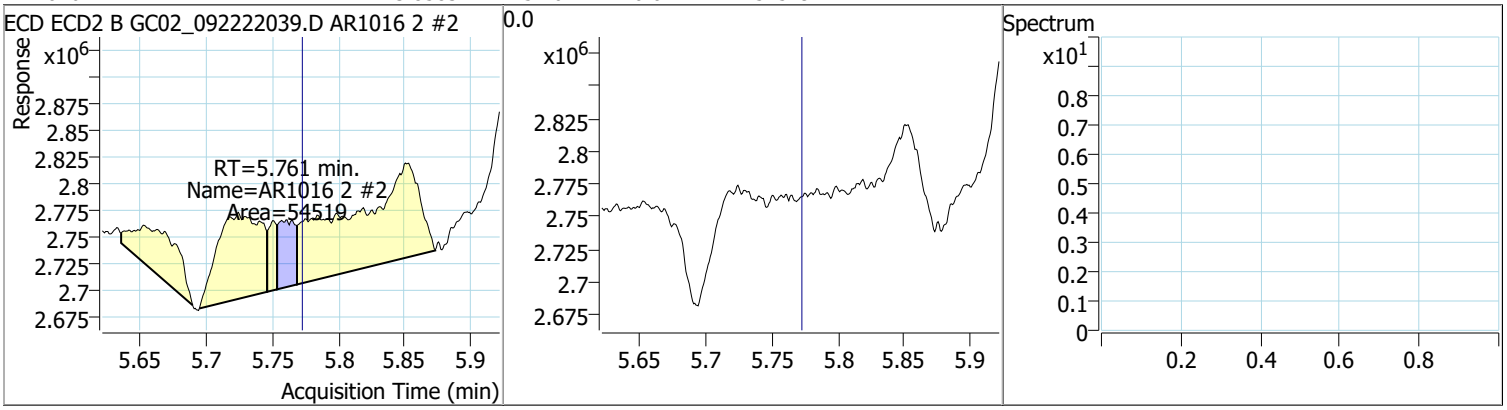
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	2.4256	5.37	-0.02	16976				



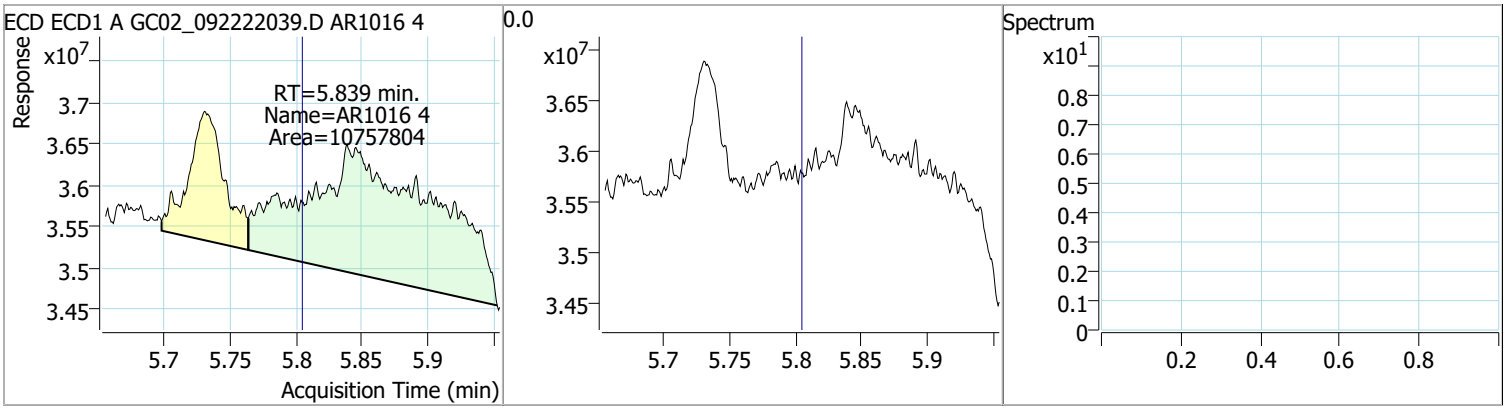
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.7241	5.67	-0.02	321686				



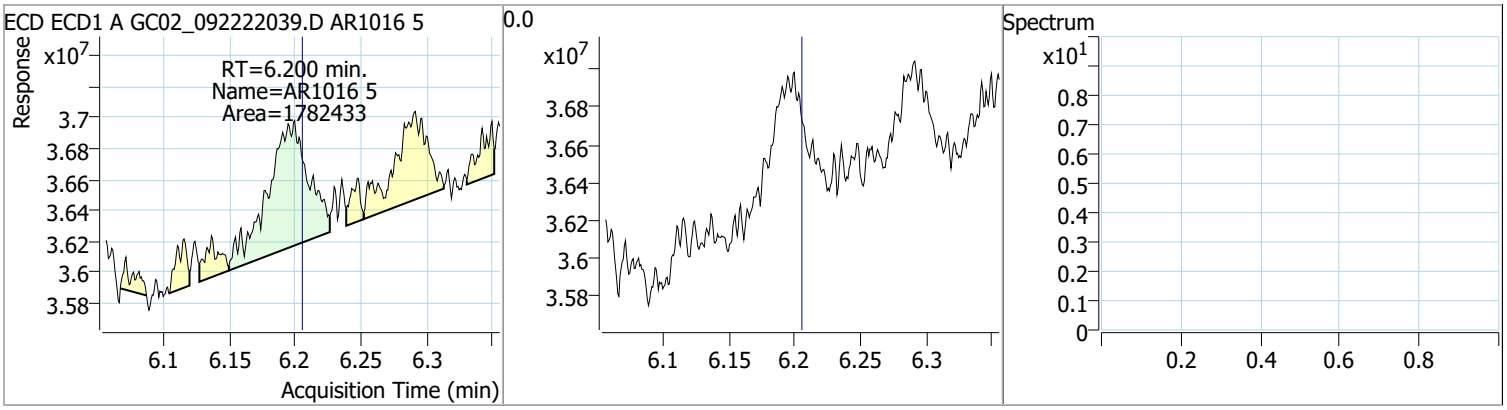
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	3.8583	5.76	-0.01	54519				



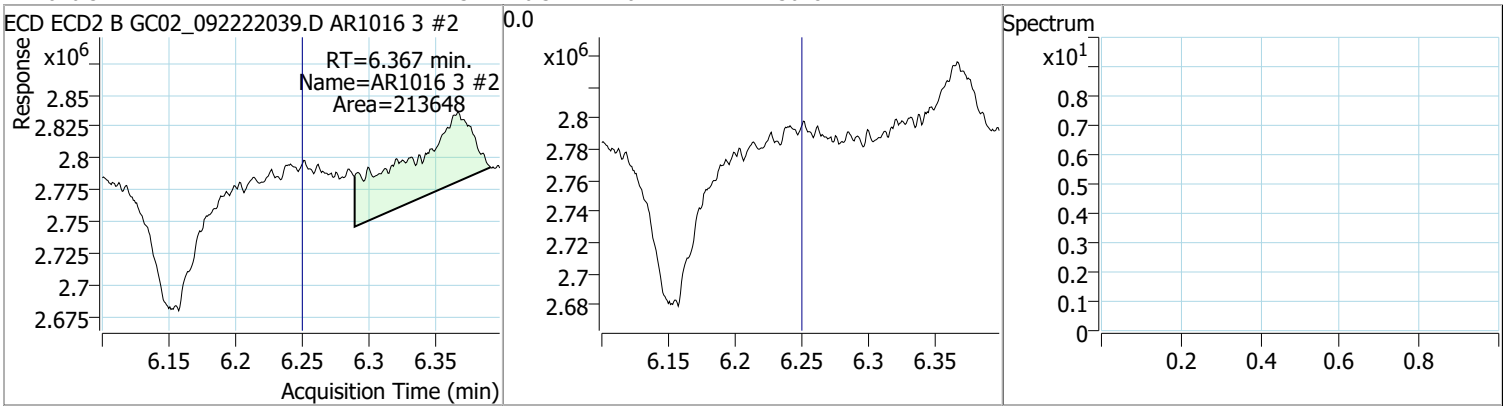
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	41.1255	5.84	0.03	10757804				



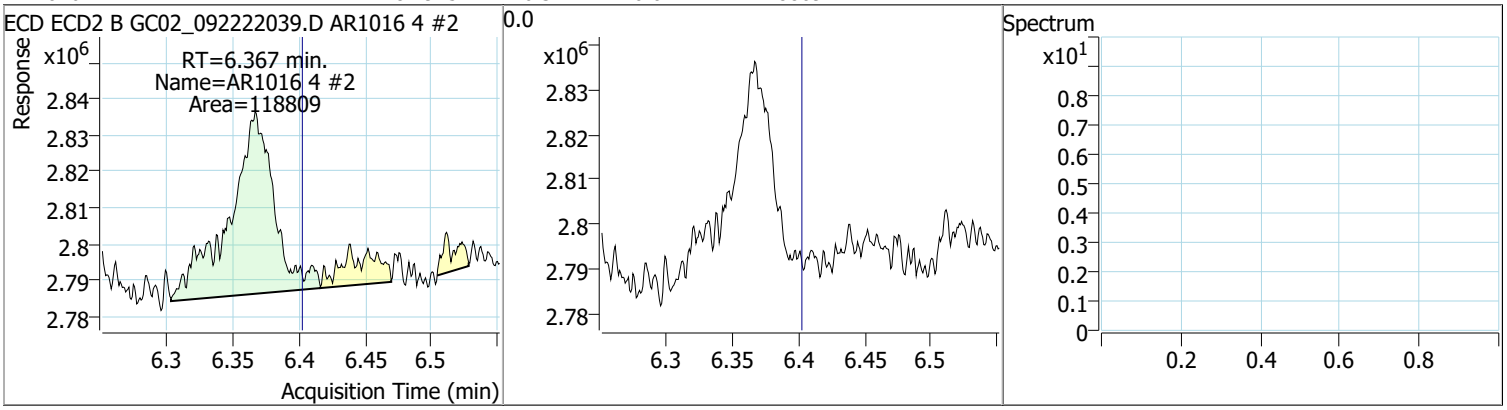
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	7.3984	6.20	-0.01	1782433				



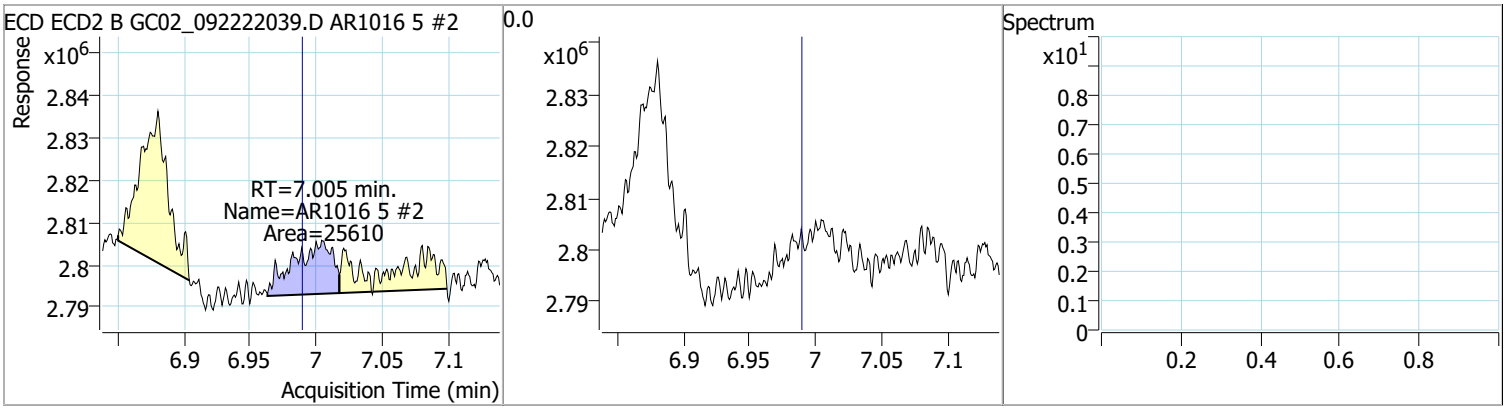
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	12.4713	6.37	0.12	213648				



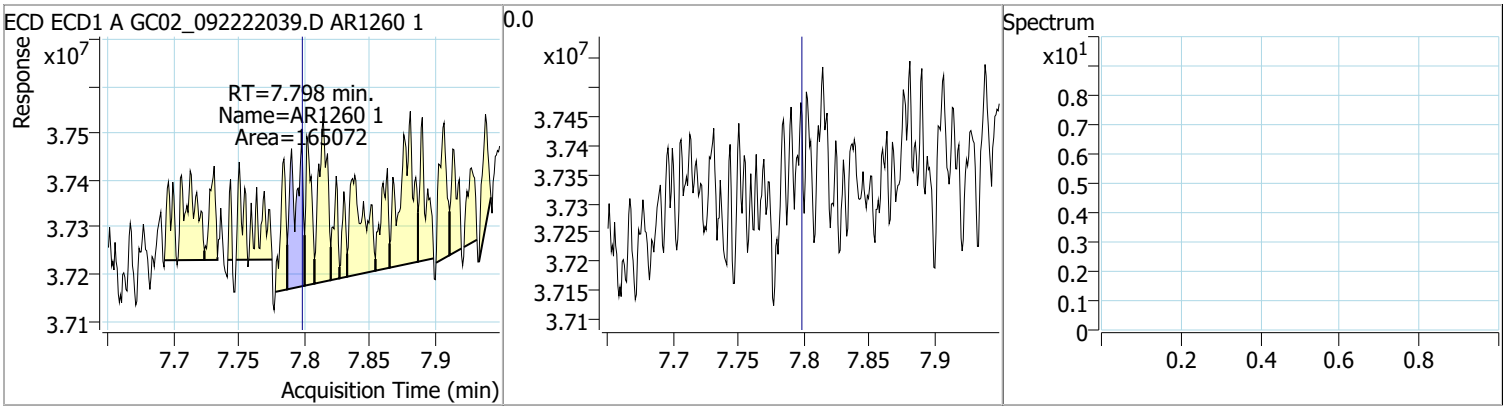
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	8.7945	6.37	-0.04	118809				



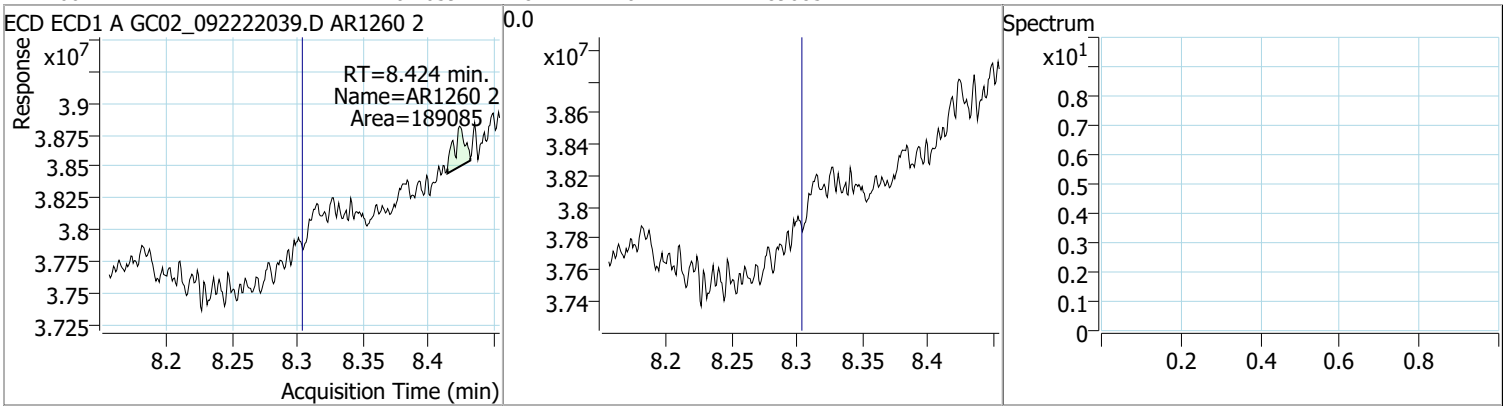
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.3520	7.01	0.02	25610				



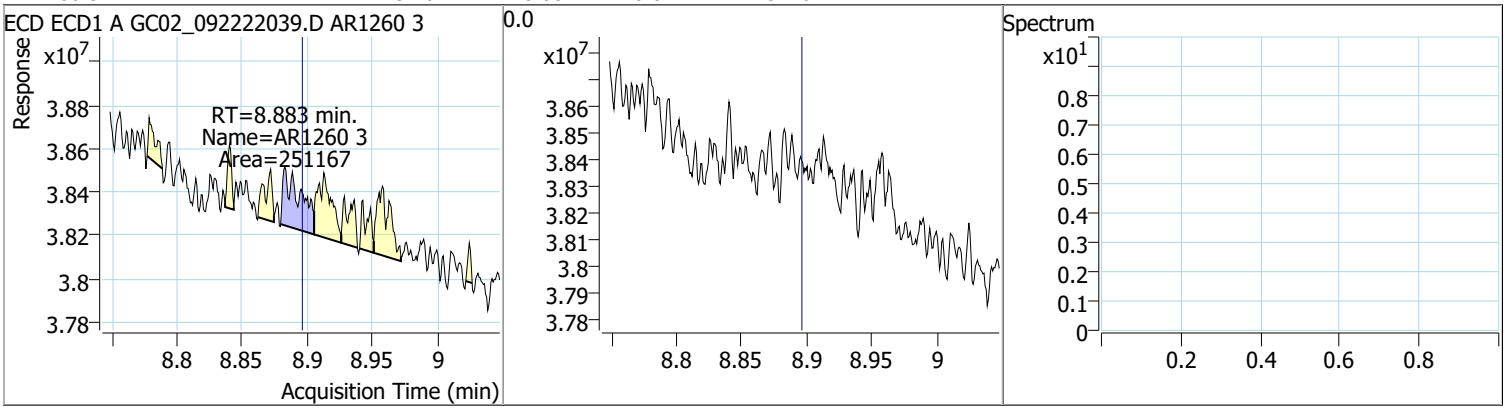
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	0.3548	7.80	0.00	165072				



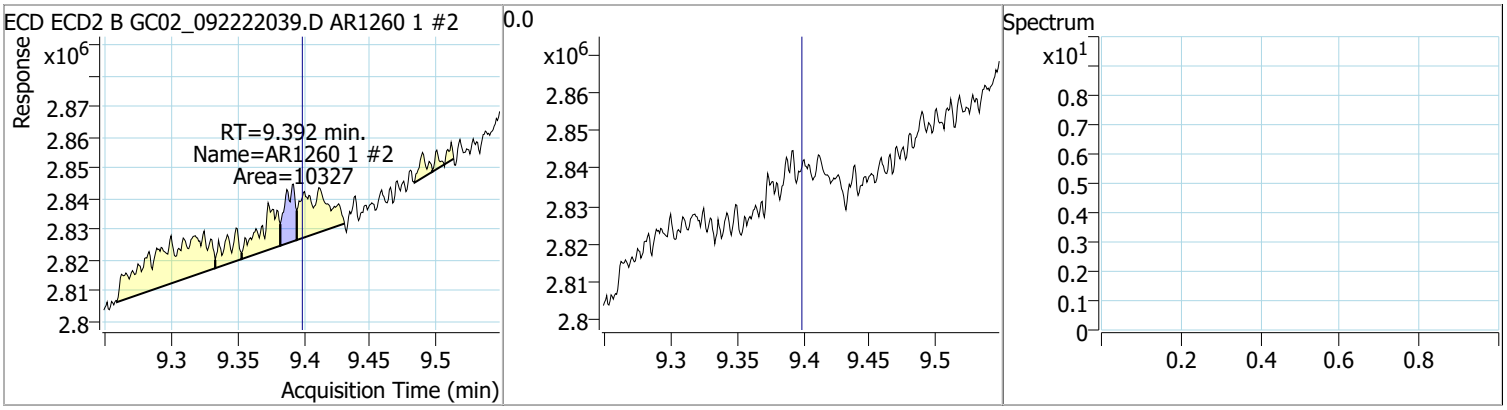
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.2659	8.42	0.12	189085				



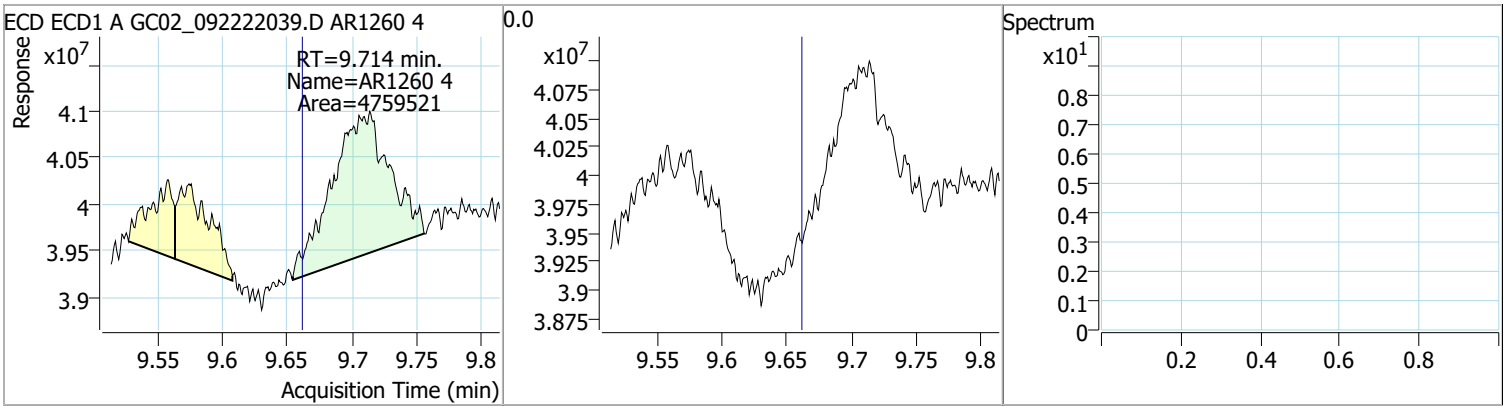
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	37.0772	8.88	-0.02	251167				



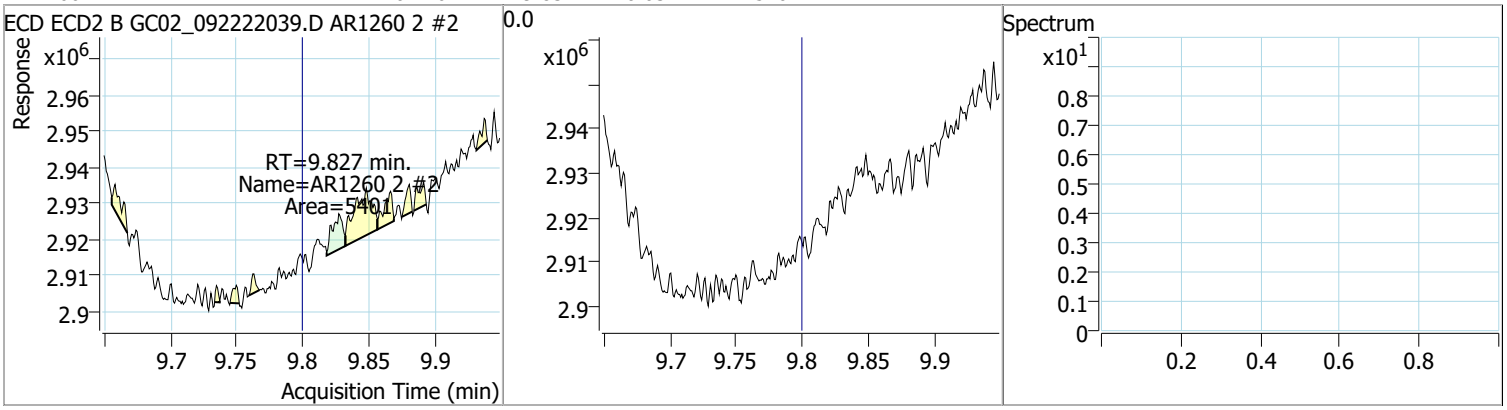
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.4655	9.39	-0.01	10327				



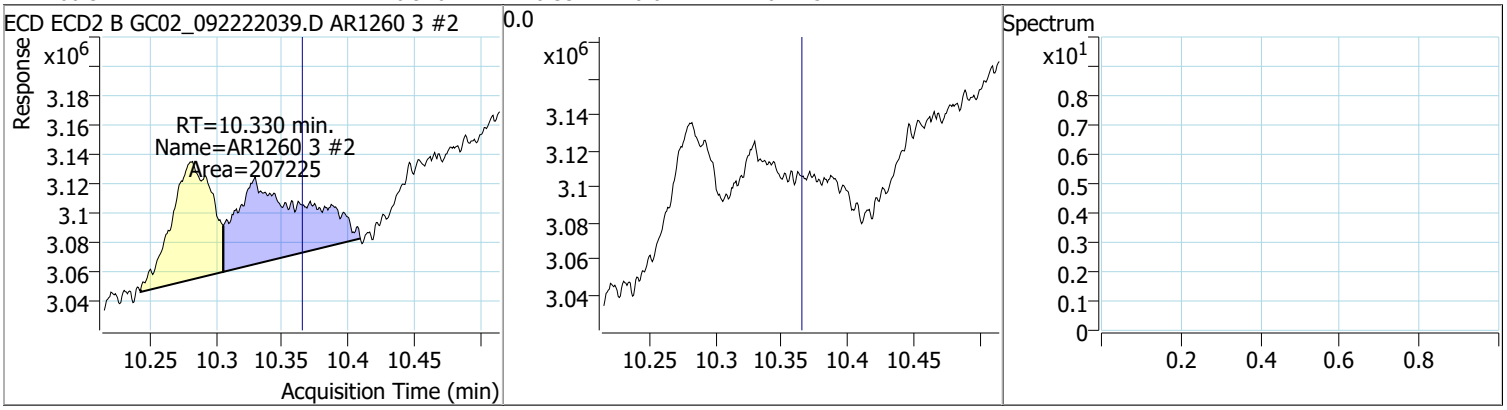
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	9.9464	9.71	0.05	4759521				



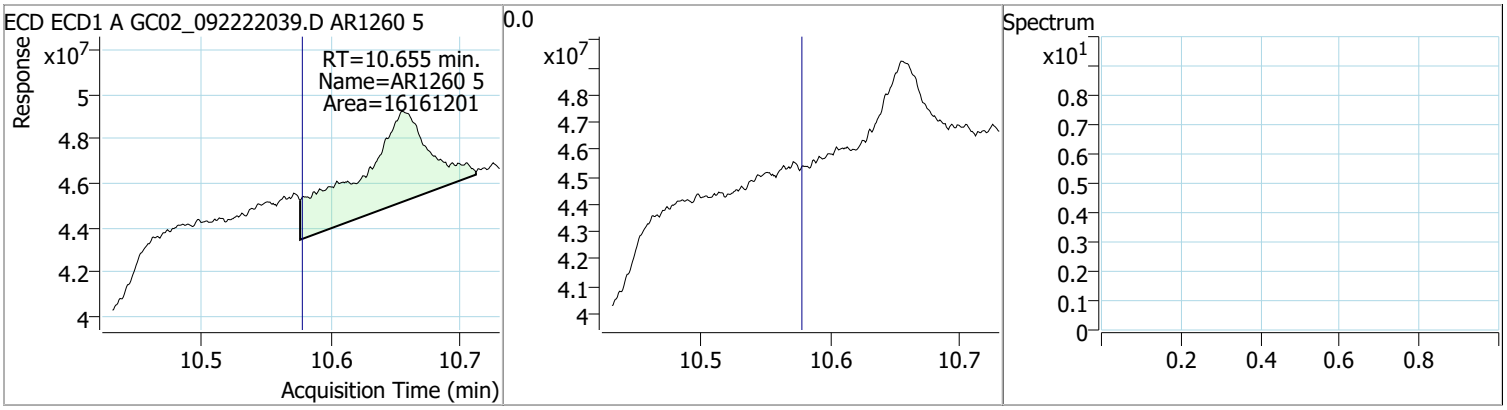
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.2161	9.83	0.03	5401				



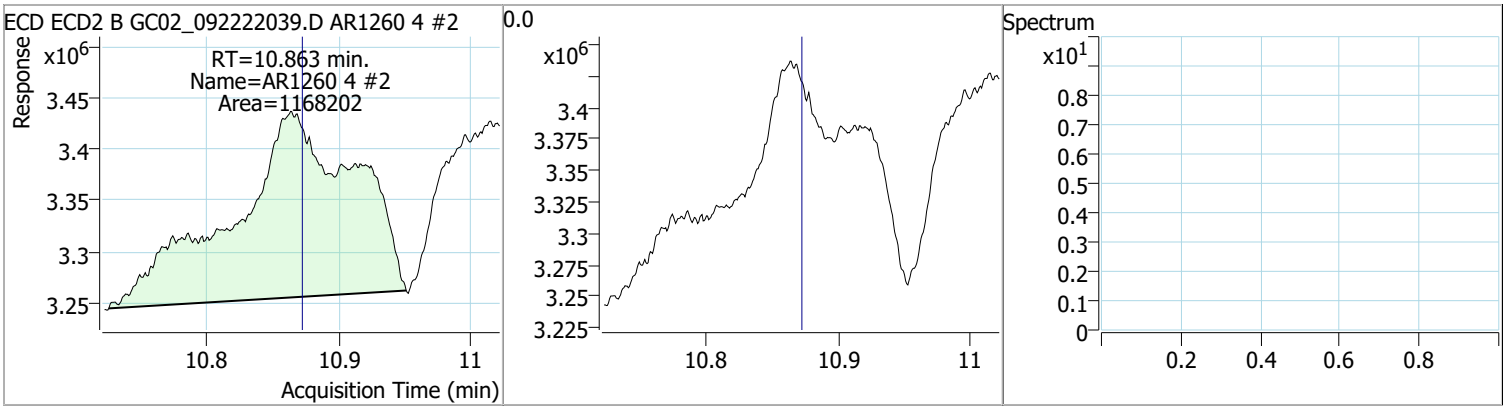
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	6.9707	10.33	-0.04	207225				



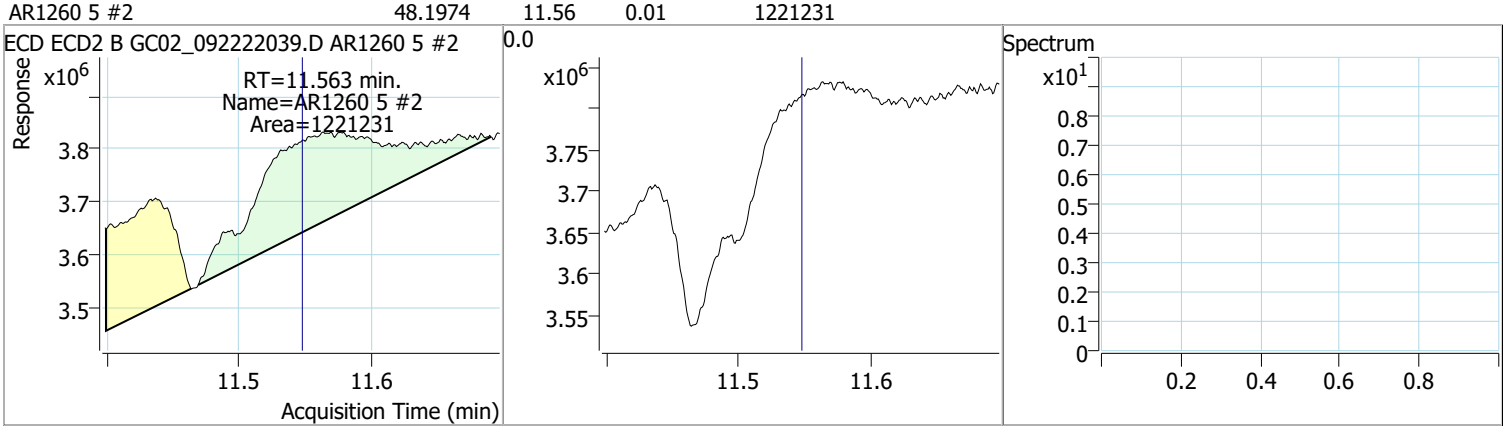
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	25.8275	10.65	0.07	16161201				



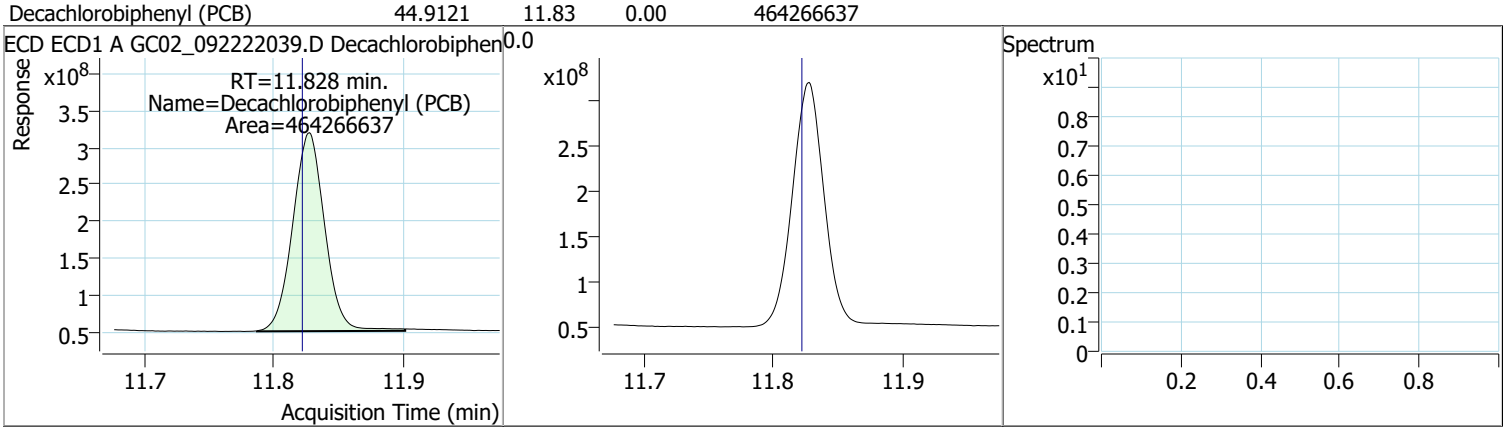
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	68.2240	10.86	-0.01	1168202				



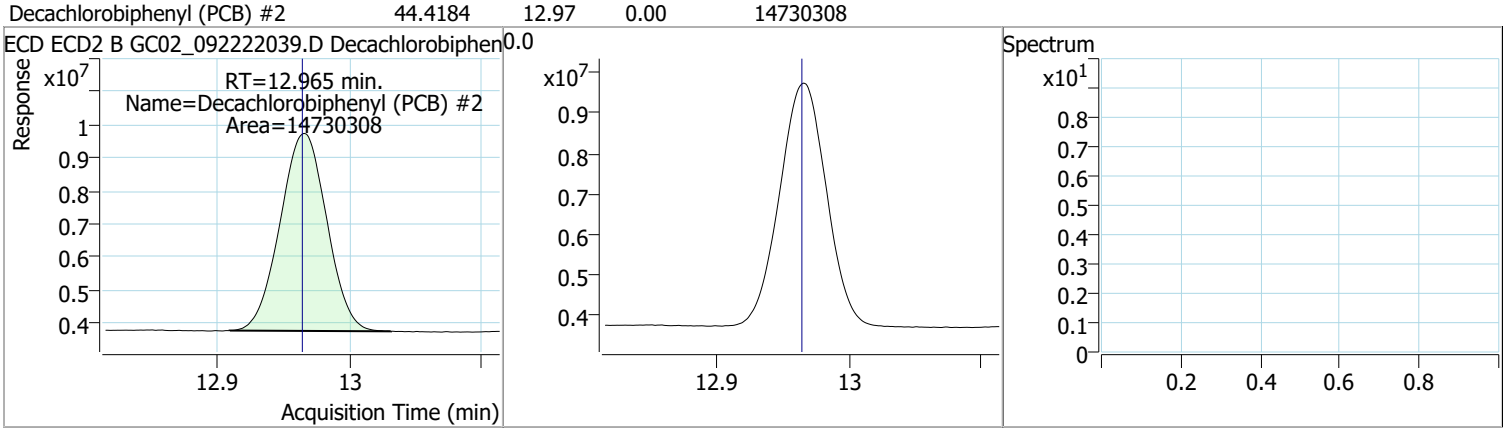
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	48.1974	11.56	0.01	1221231				



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

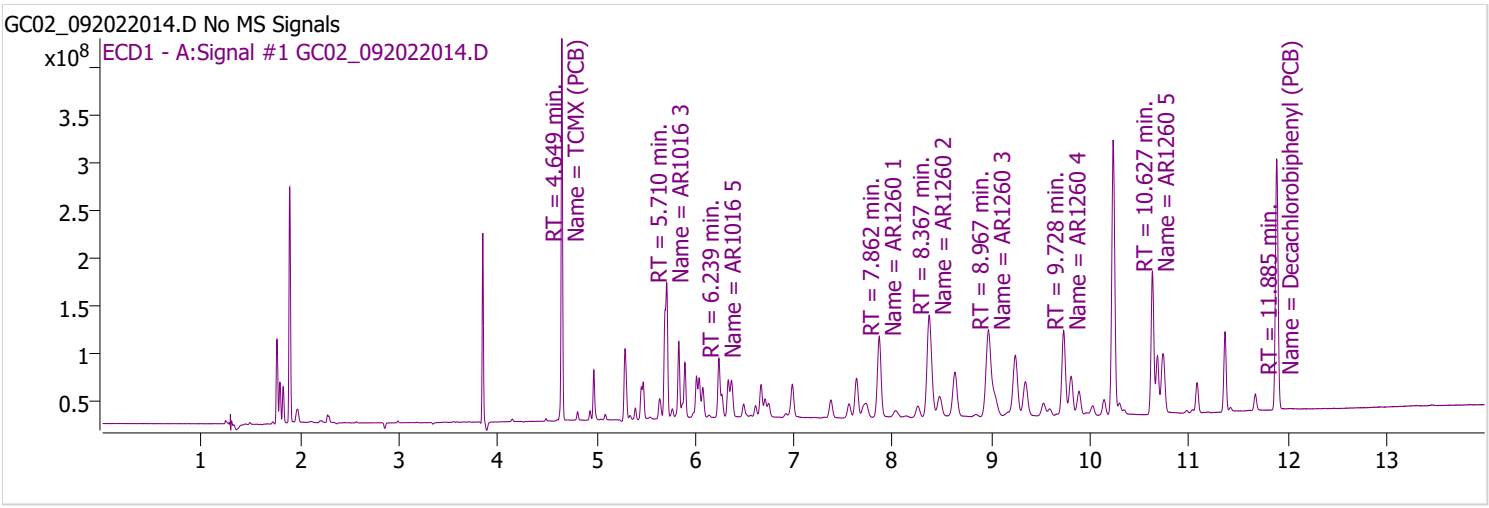
TJW 09/21/22 [Aroclor-1016 Peak # 3 A]: Manually integrated due to baseline corrections for all channels for spike & dup [general version]

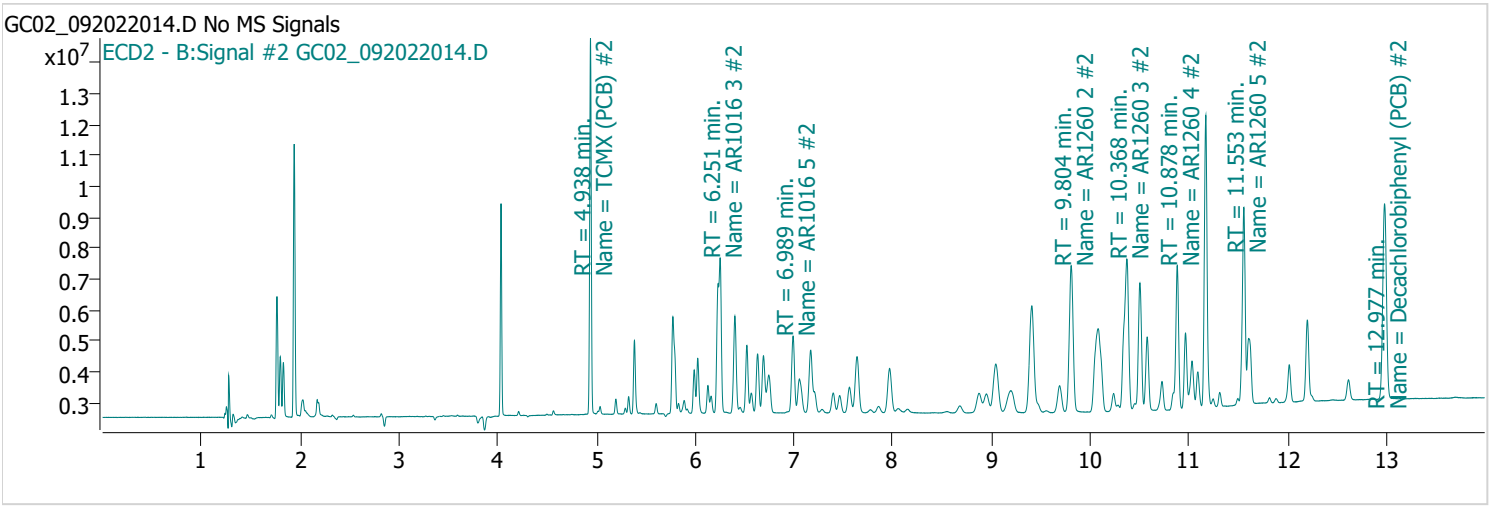
+=high bias c=CCV u=use

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			



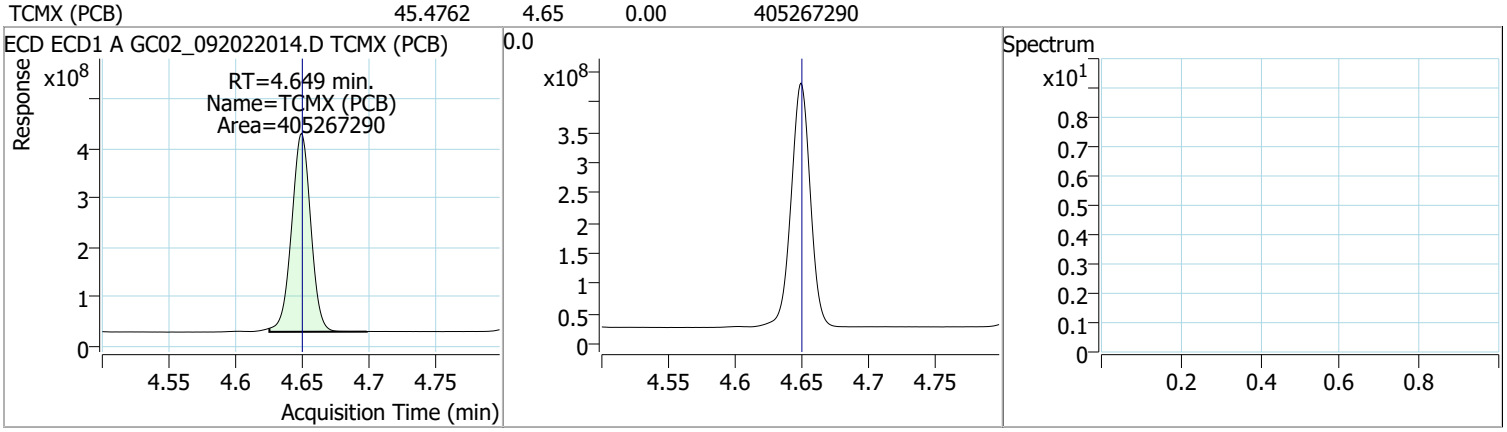


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.849	0.0	188397873.252	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.033	0.0	6730008.916	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.649	0.0	405267289.618	45.4762	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

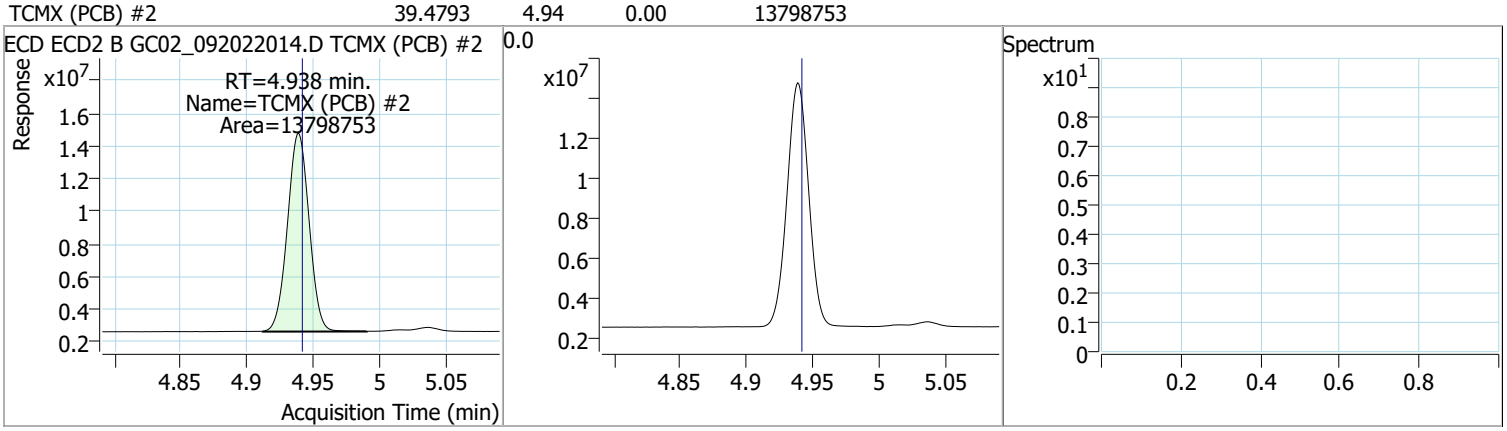
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.973	0.0	63408991.445	382.6846	ng/ml		100
T AR1016 2	5.288	0.0	125702952.646	392.9785	ng/ml		100
T AR1016 1 #2	5.383	0.0	3248603.966	382.0178	ng/ml		100
T AR1016 3	5.710	0.0	196812388.379	408.2644	ng/ml	m	100
T AR1016 2 #2	5.773	0.0	6667177.277	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

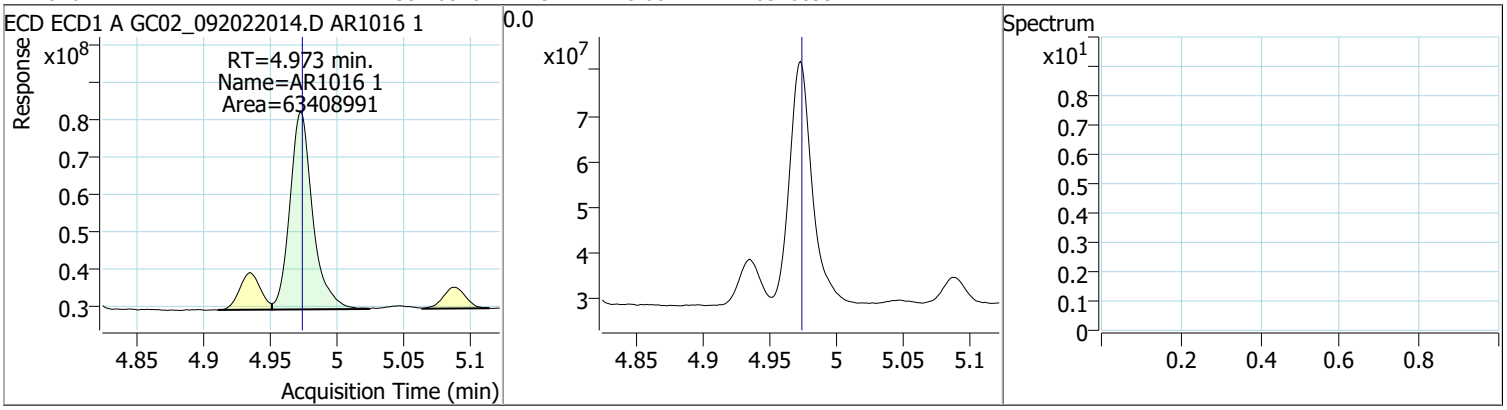
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	45.4762	4.65	0.00	405267290				



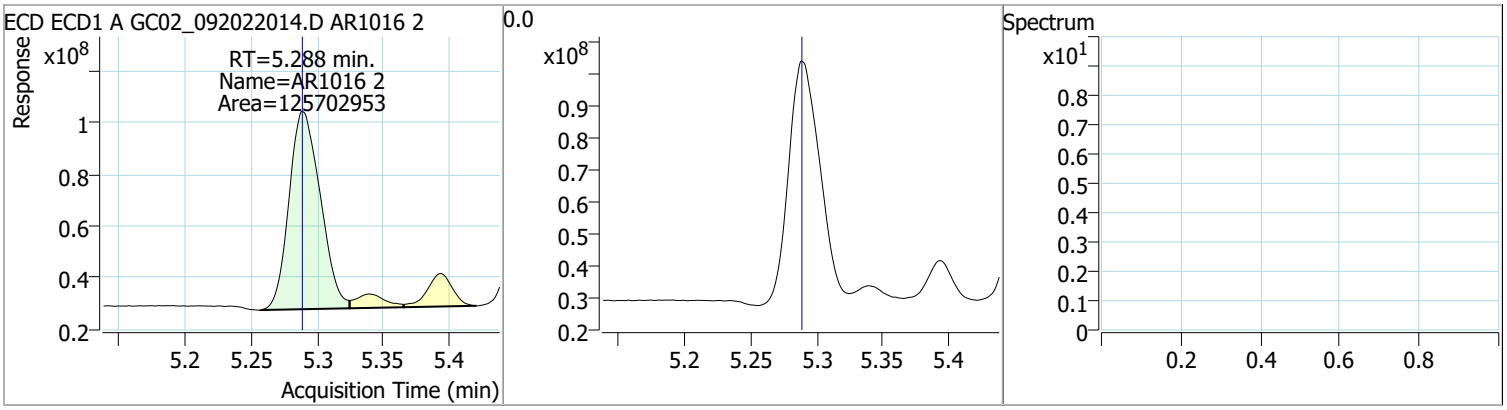
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.4793	4.94	0.00	13798753				



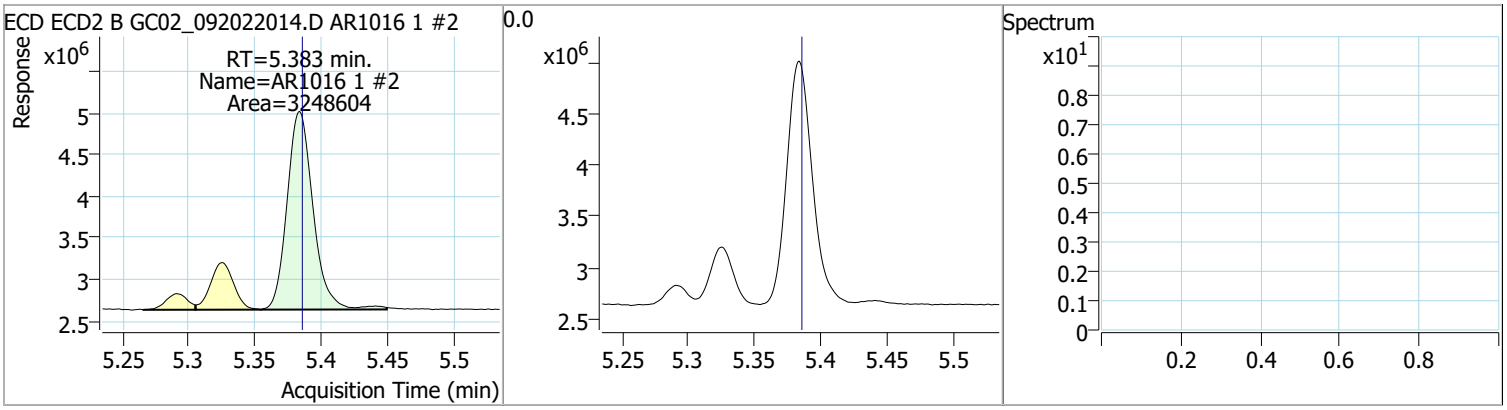
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	382.6846	4.97	0.00	63408991				



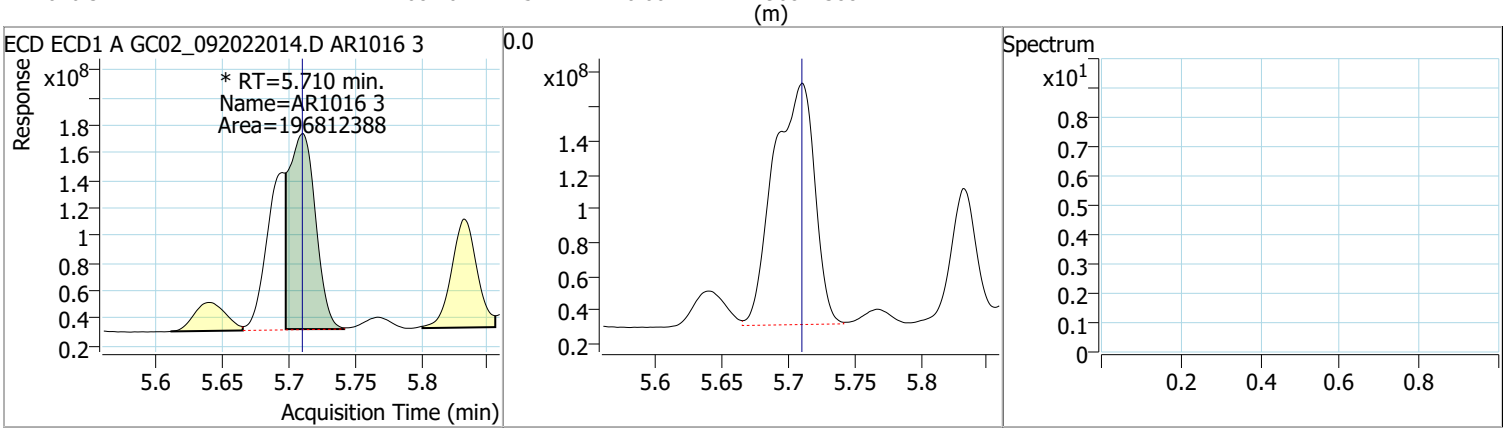
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	392.9785	5.29	0.00	125702953				



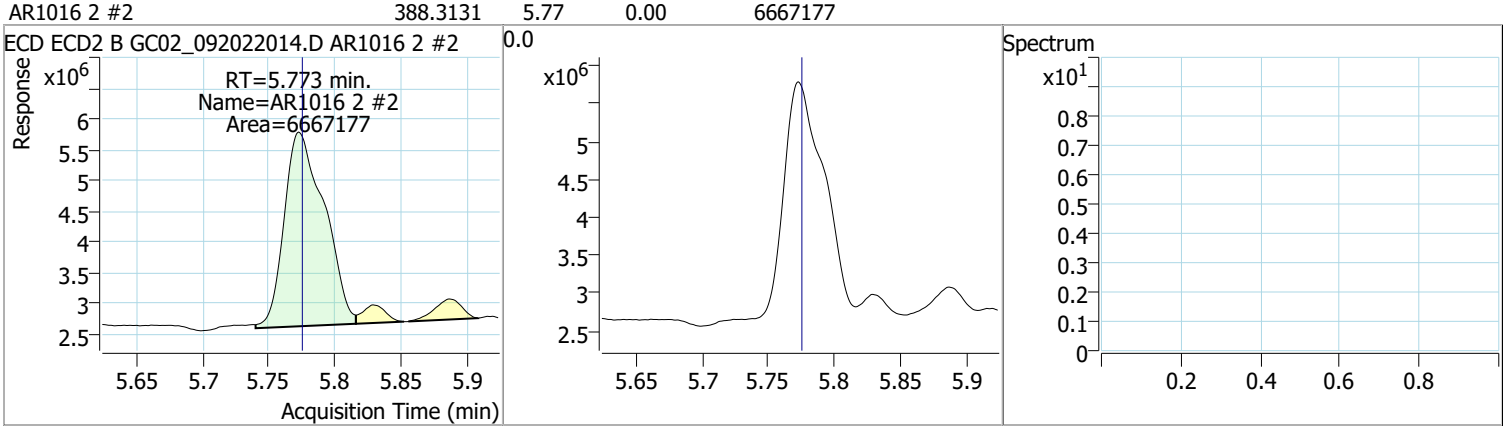
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	382.0178	5.38	0.00	3248604				



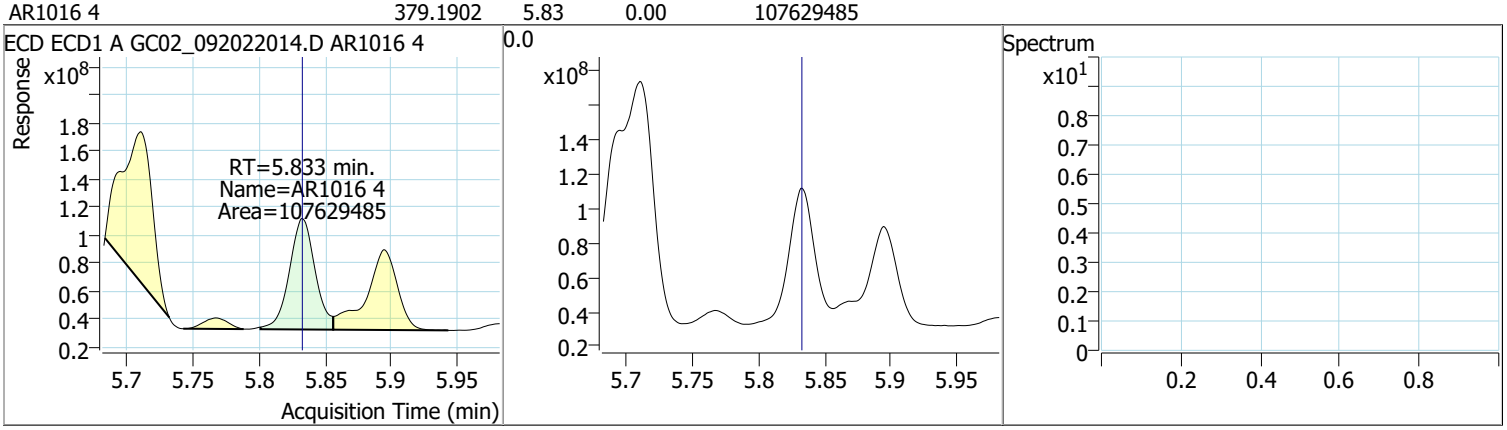
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	408.2644	5.71	0.00	196812388 (m)				



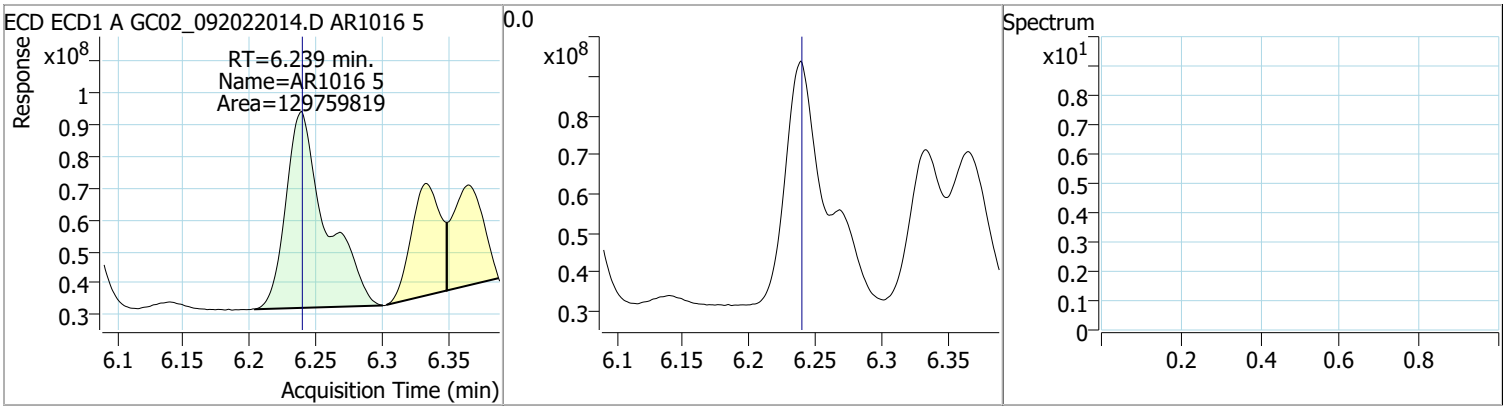
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	388.3131	5.77	0.00	6667177				



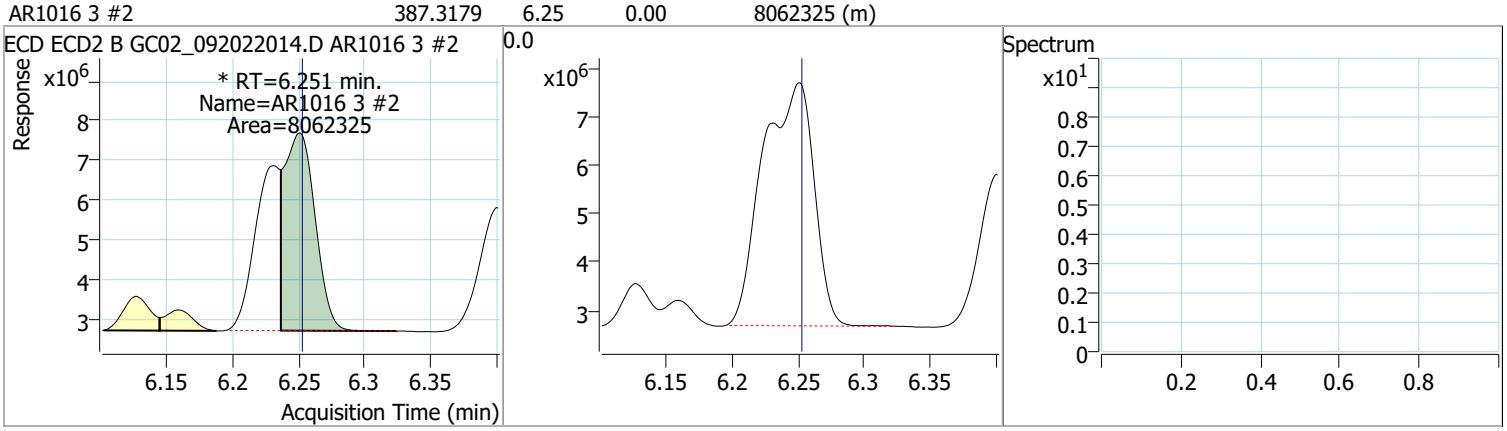
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	379.1902	5.83	0.00	107629485				



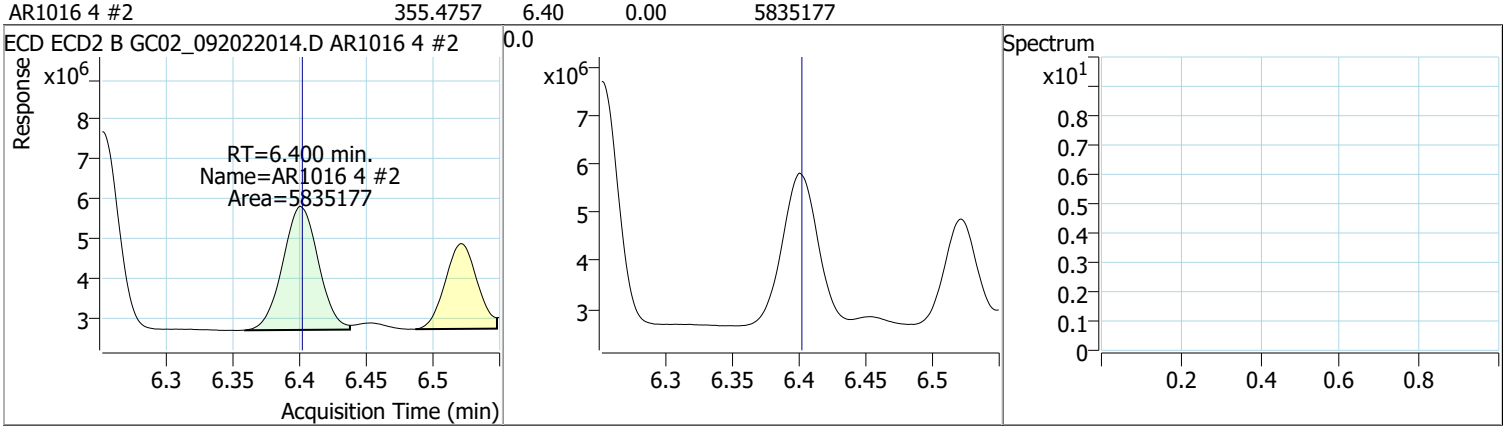
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	496.3644	6.24	0.00	129759819				



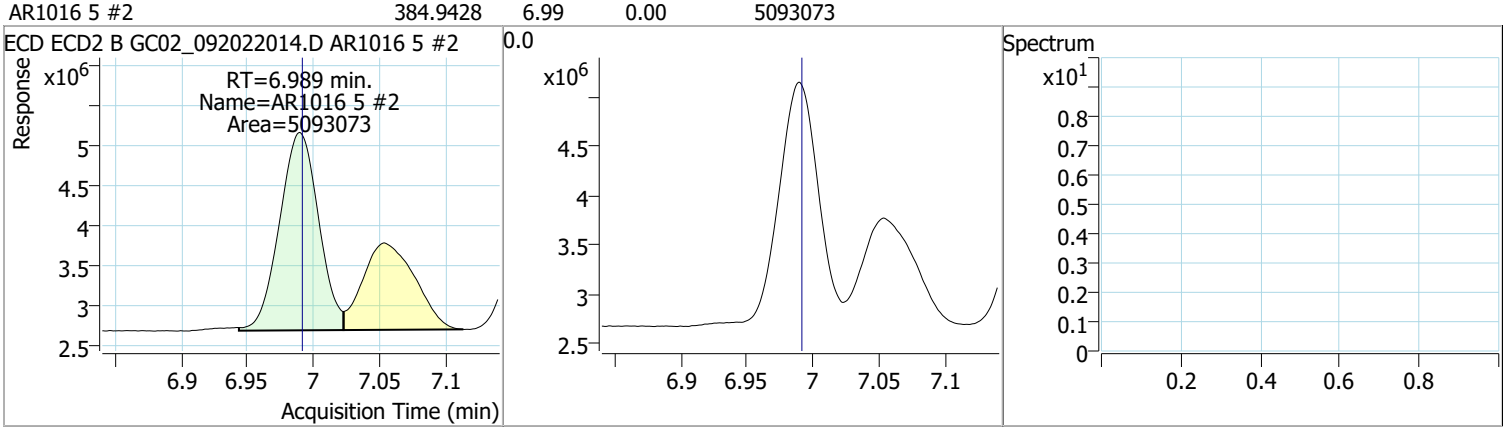
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	387.3179	6.25	0.00	8062325 (m)				



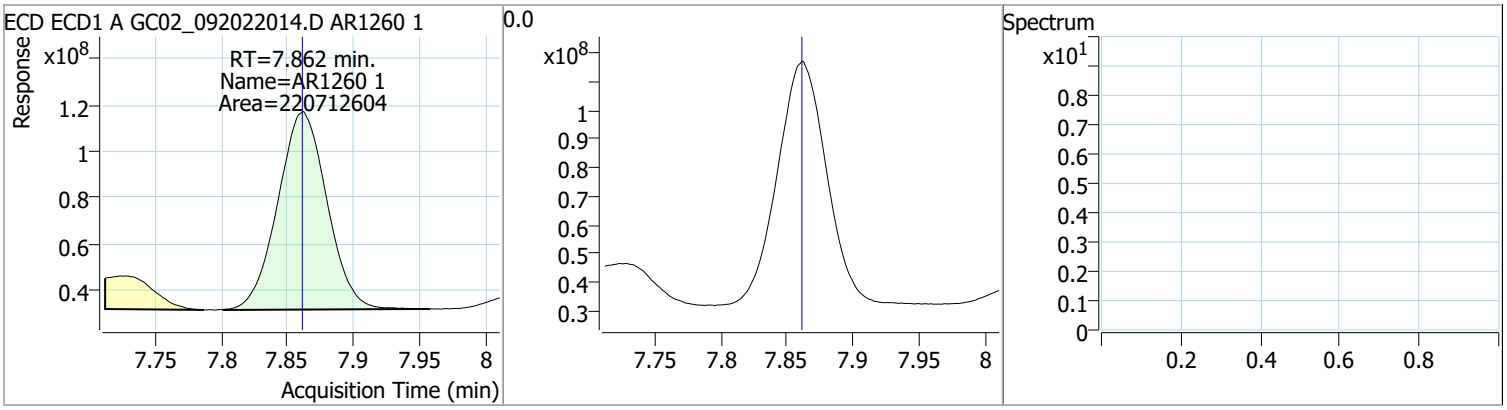
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	355.4757	6.40	0.00	5835177				



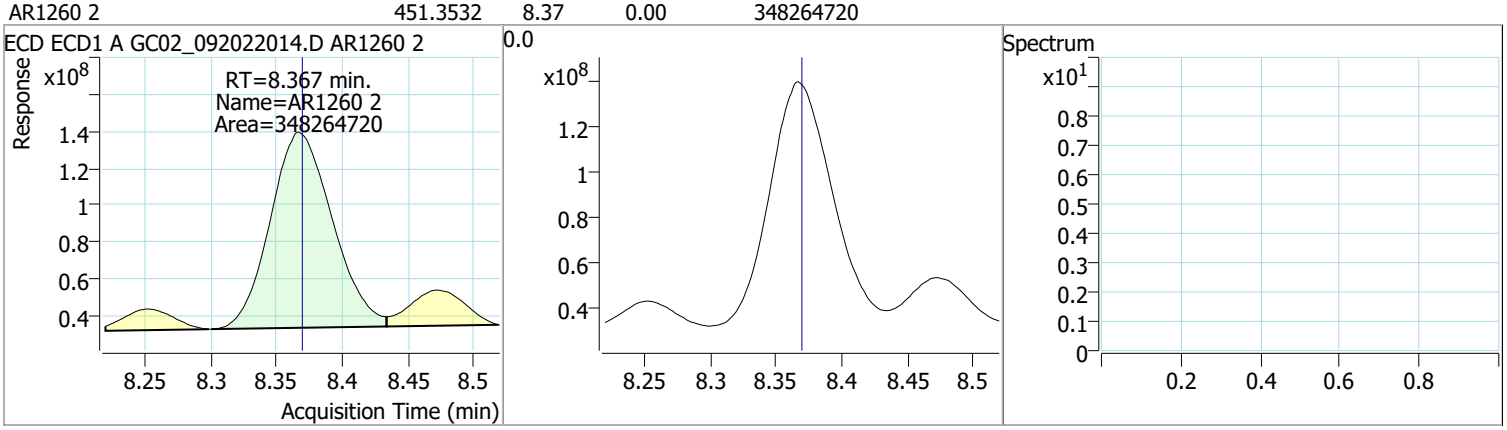
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	384.9428	6.99	0.00	5093073				



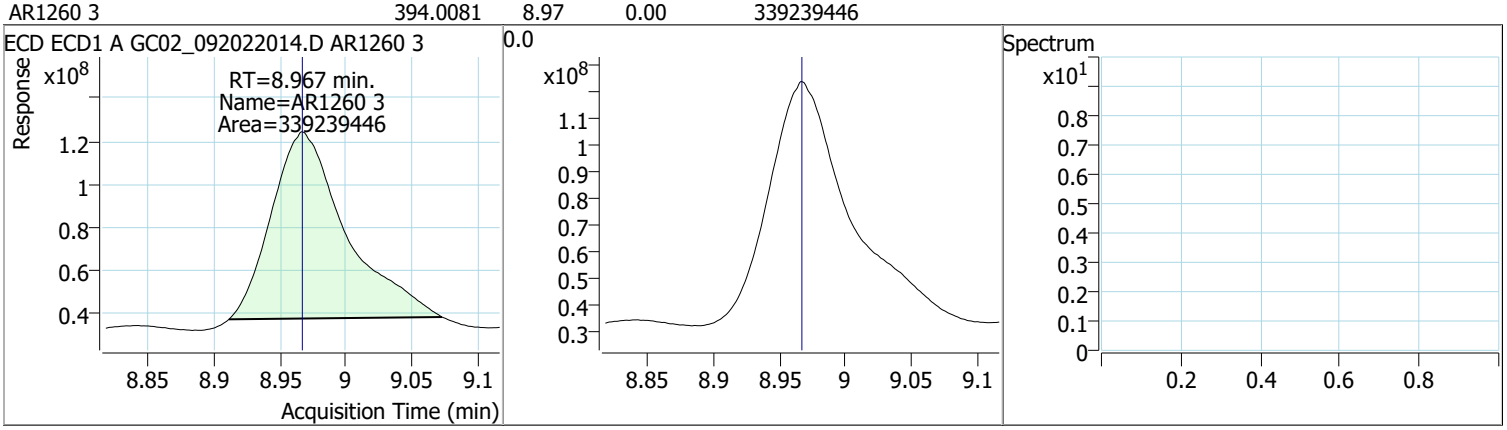
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	437.2463	7.86	0.00	220712604				



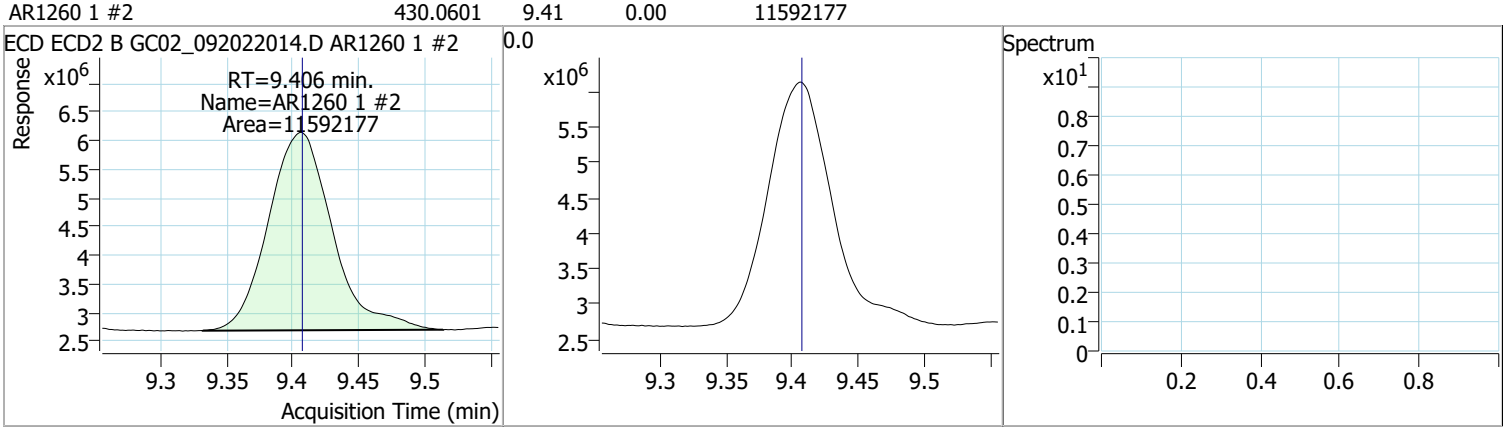
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	451.3532	8.37	0.00	348264720				



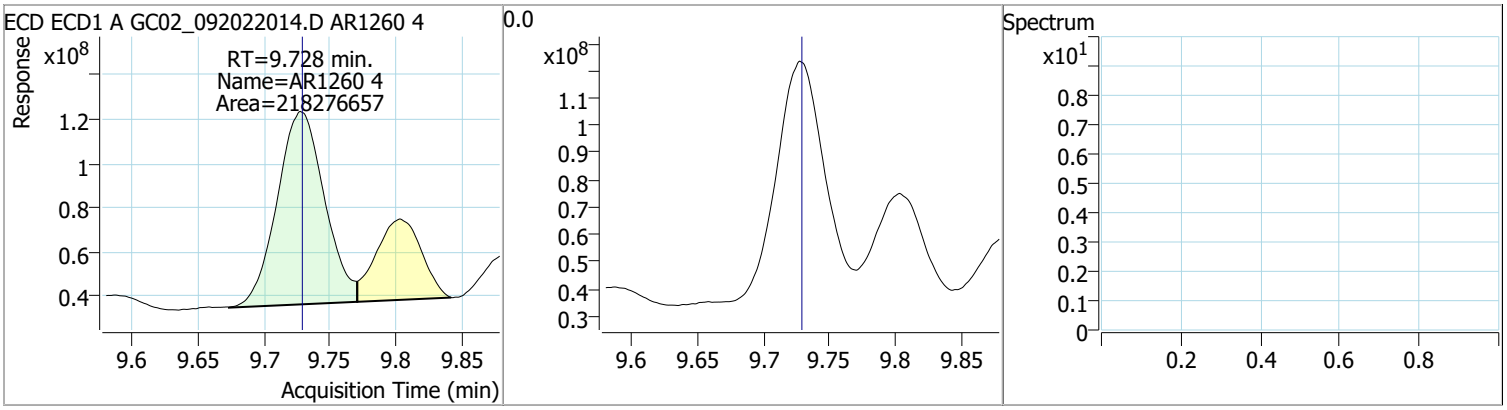
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	394.0081	8.97	0.00	339239446				



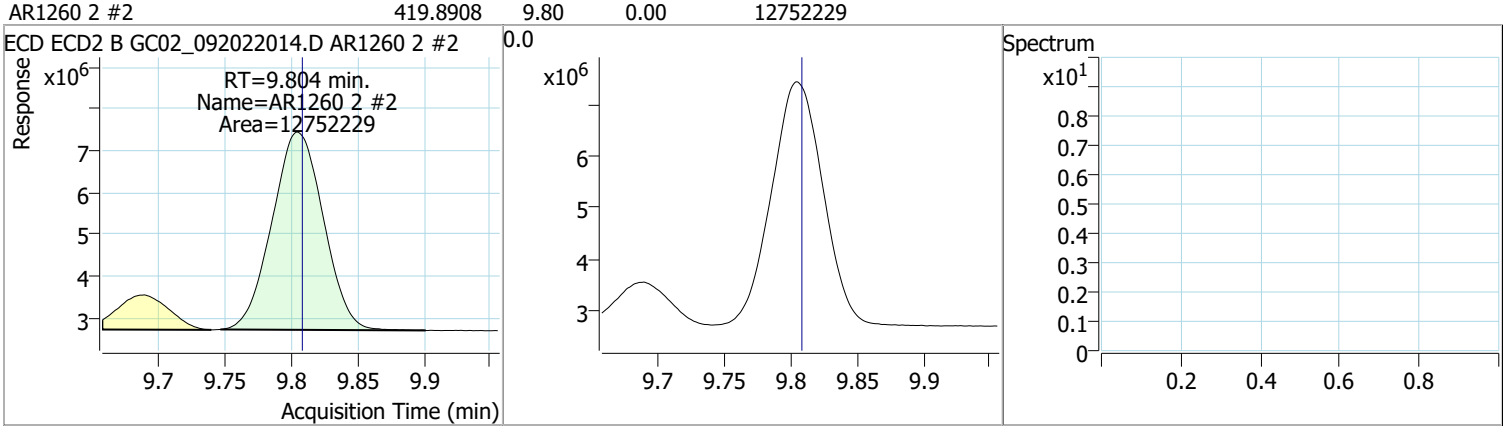
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	430.0601	9.41	0.00	11592177				



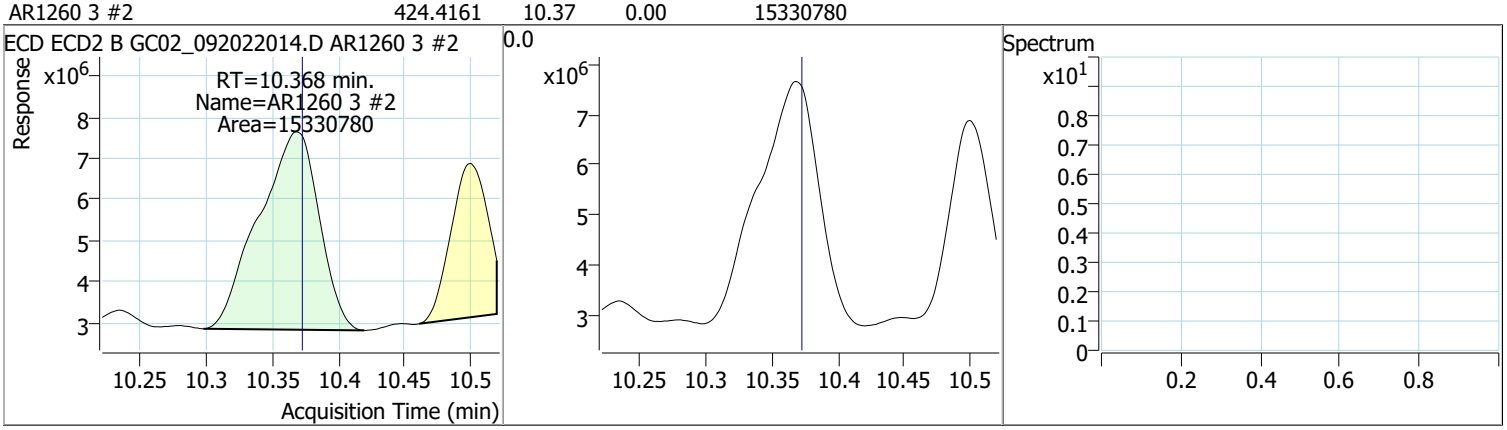
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	420.3838	9.73	0.00	218276657				



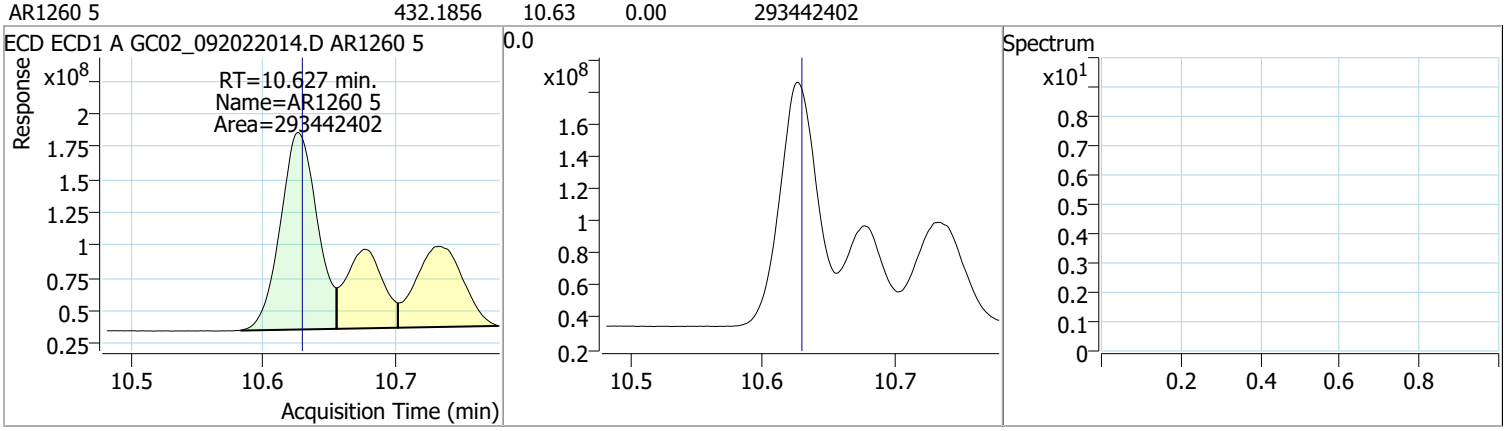
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	419.8908	9.80	0.00	12752229				



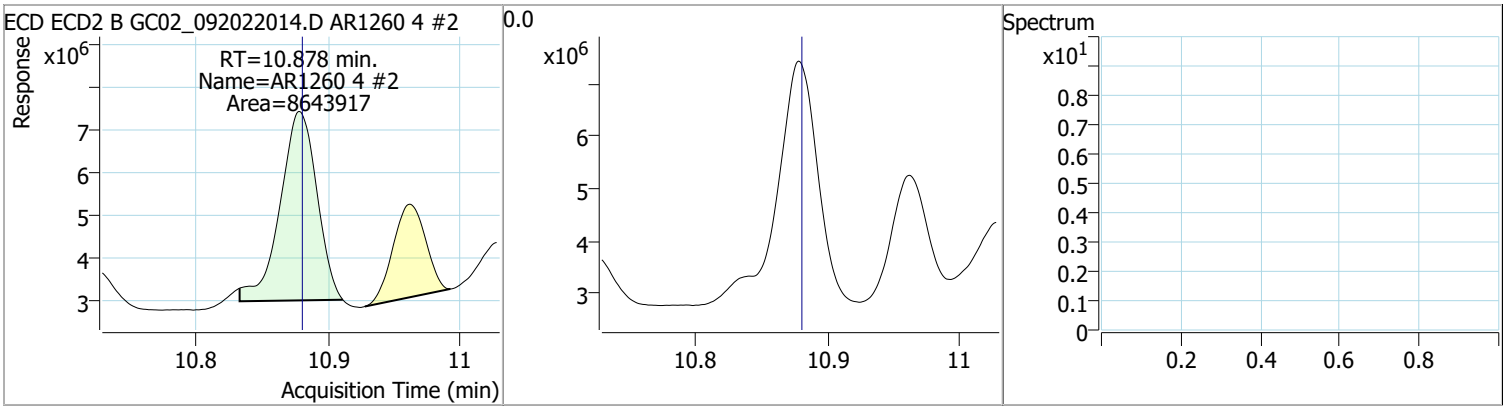
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	424.4161	10.37	0.00	15330780				



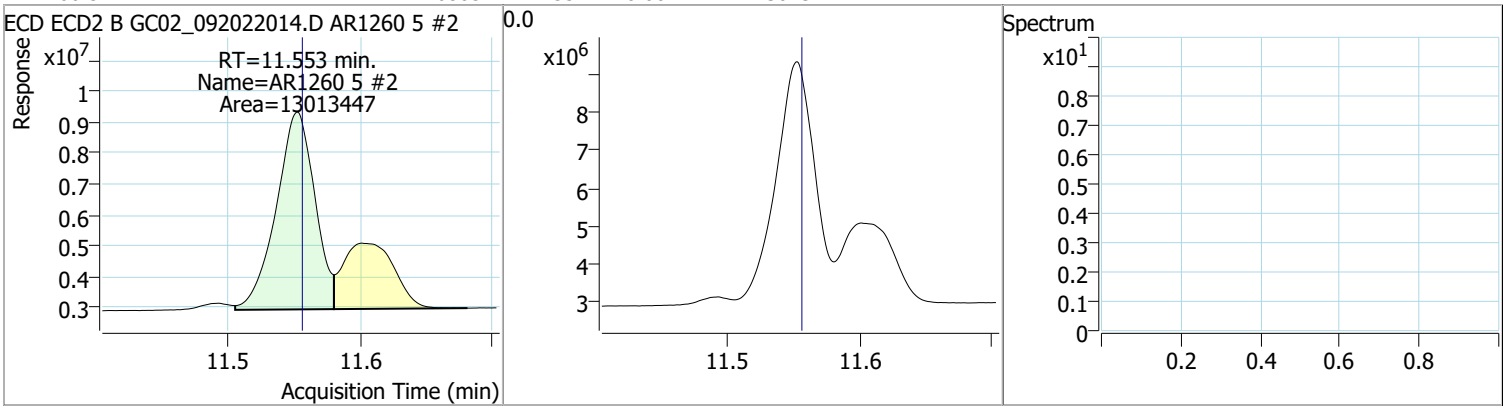
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	432.1856	10.63	0.00	293442402				



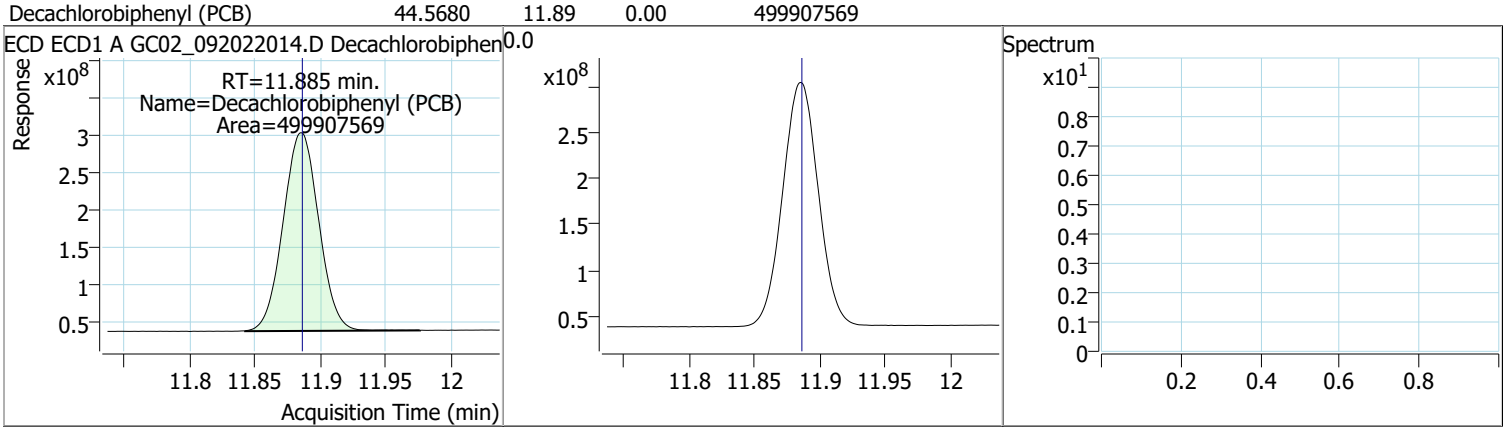
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	415.4544	10.88	0.00	8643917				



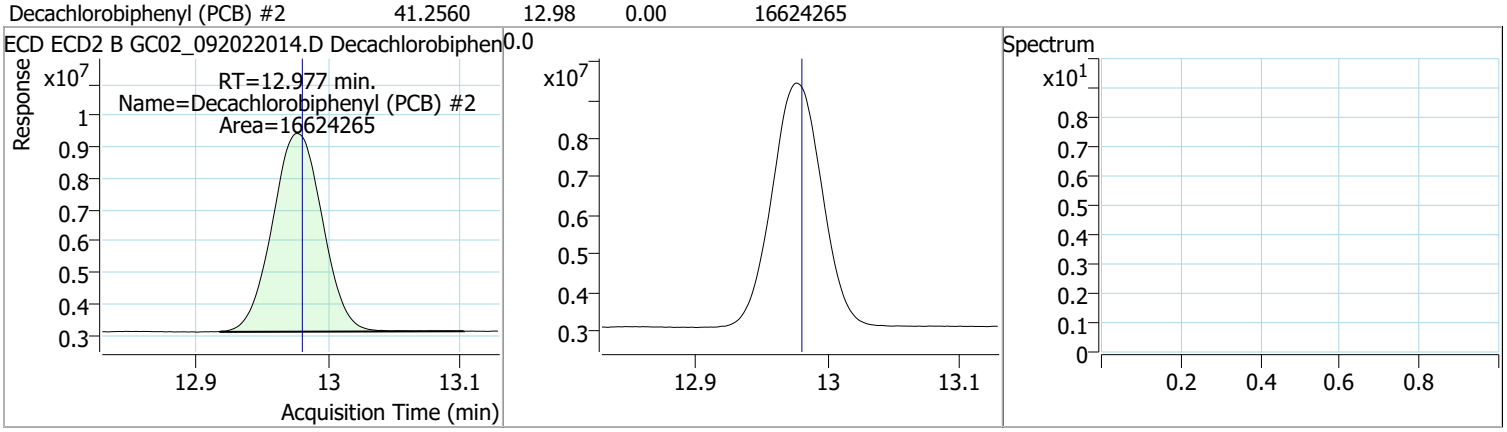
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	422.6805	11.55	0.00	13013447				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	44.5680	11.89	0.00	499907569				

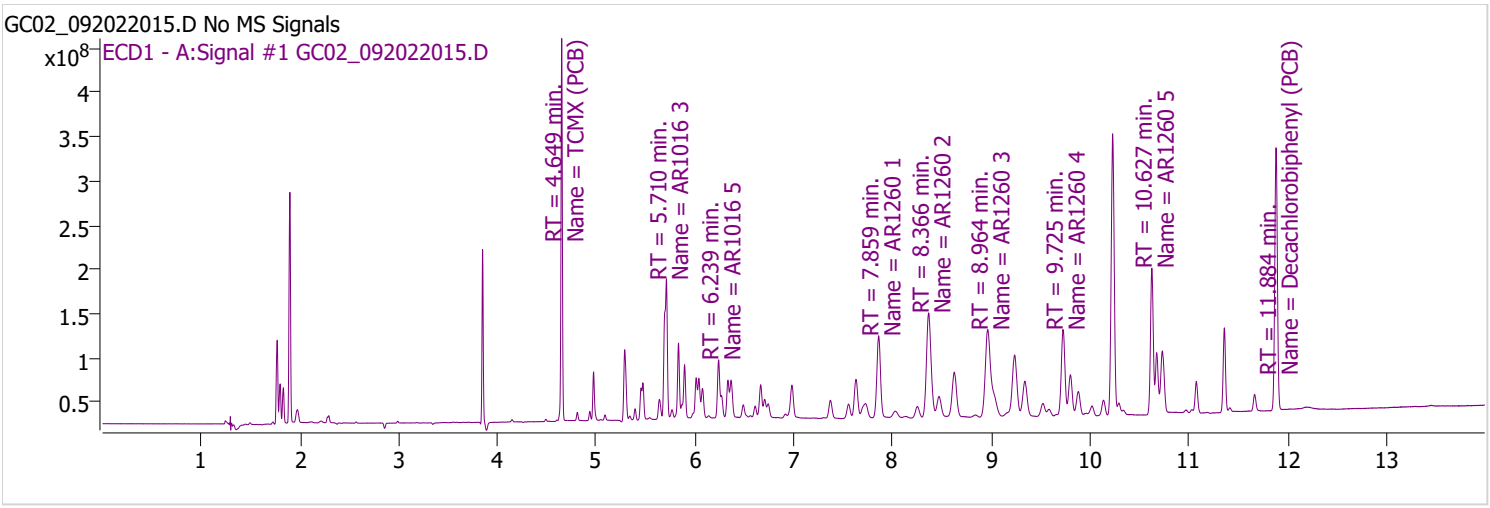


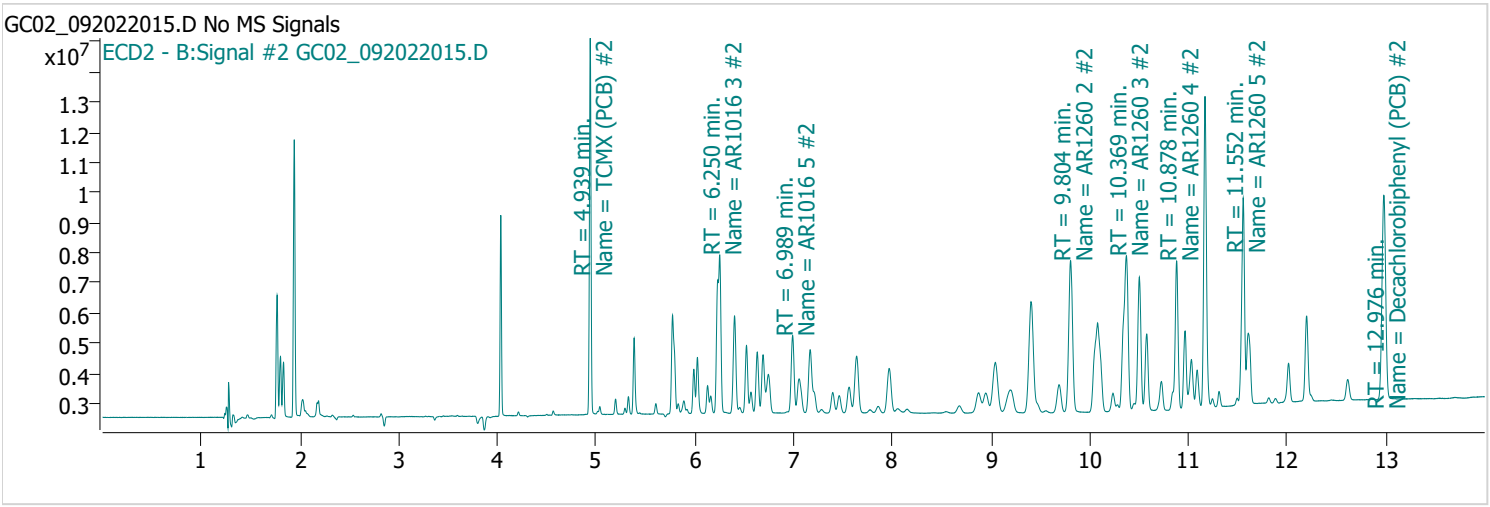
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	41.2560	12.98	0.00	16624265				



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			



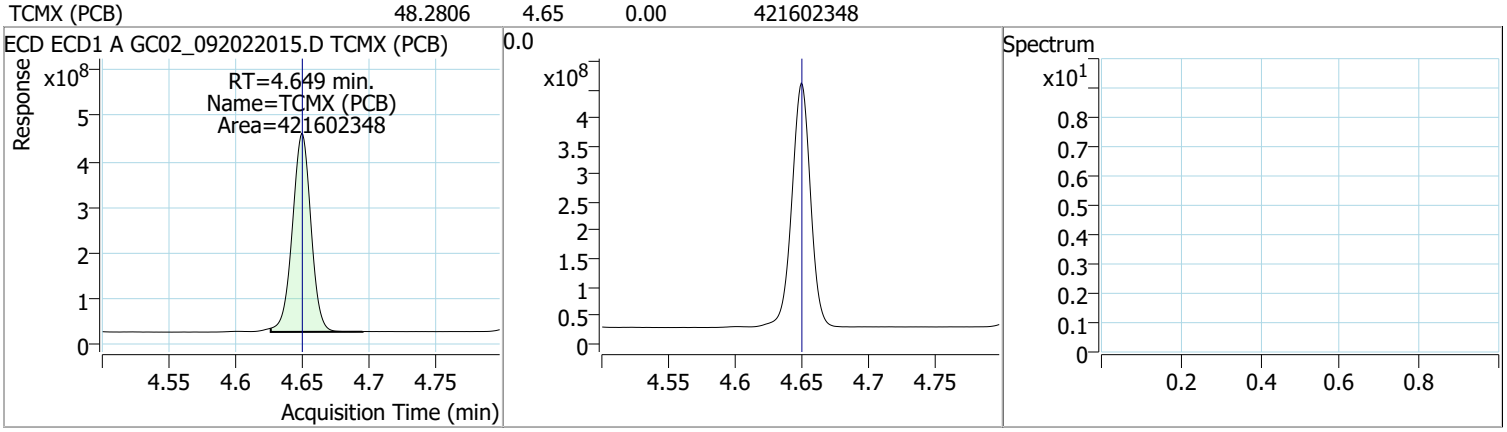


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.849	0.0	184607461.138	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.033	0.0	6618907.441	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.649	0.0	421602348.125	48.2806	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

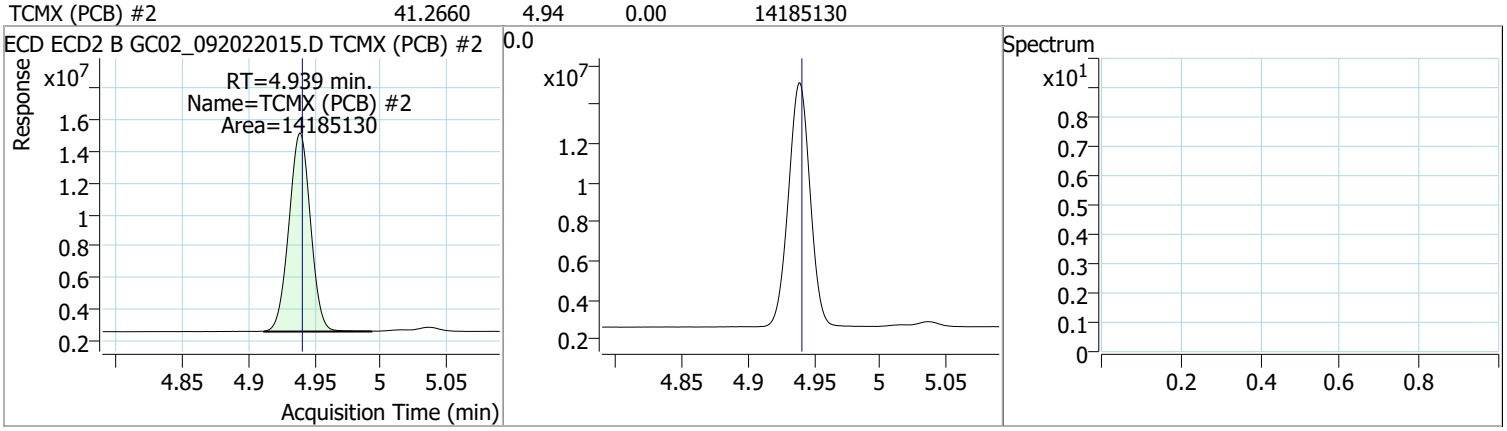
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.973	0.0	66194050.038	407.6954	ng/ml		100
T AR1016 2	5.288	0.0	132698607.442	423.3665	ng/ml		100
T AR1016 1 #2	5.384	0.0	3342371.755	399.6418	ng/ml		100
T AR1016 3	5.710	0.0	188323989.366	398.6772	ng/ml	m	100
T AR1016 2 #2	5.773	0.0	6940464.642	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

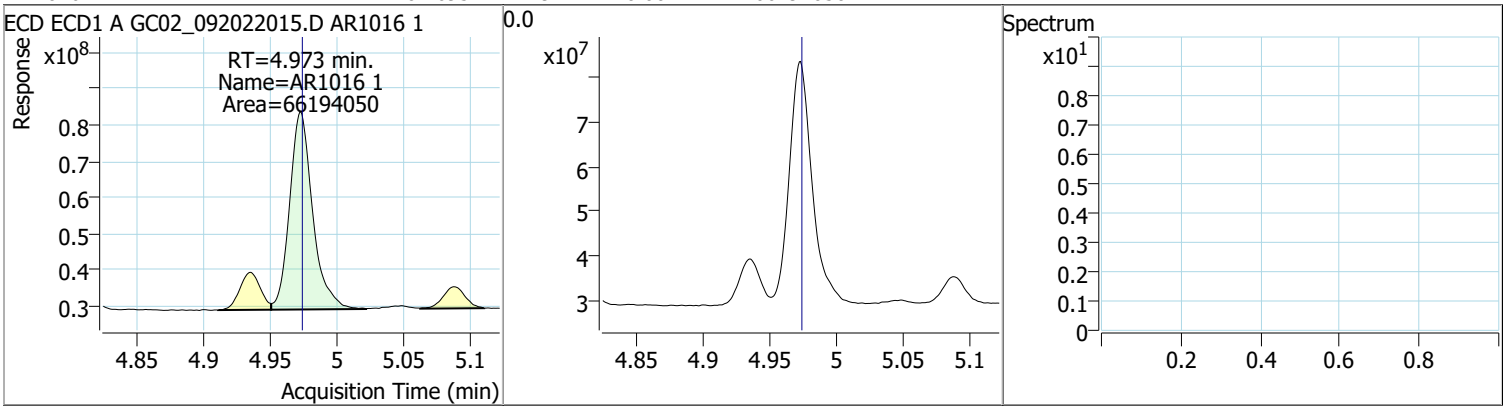
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	48.2806	4.65	0.00	421602348				



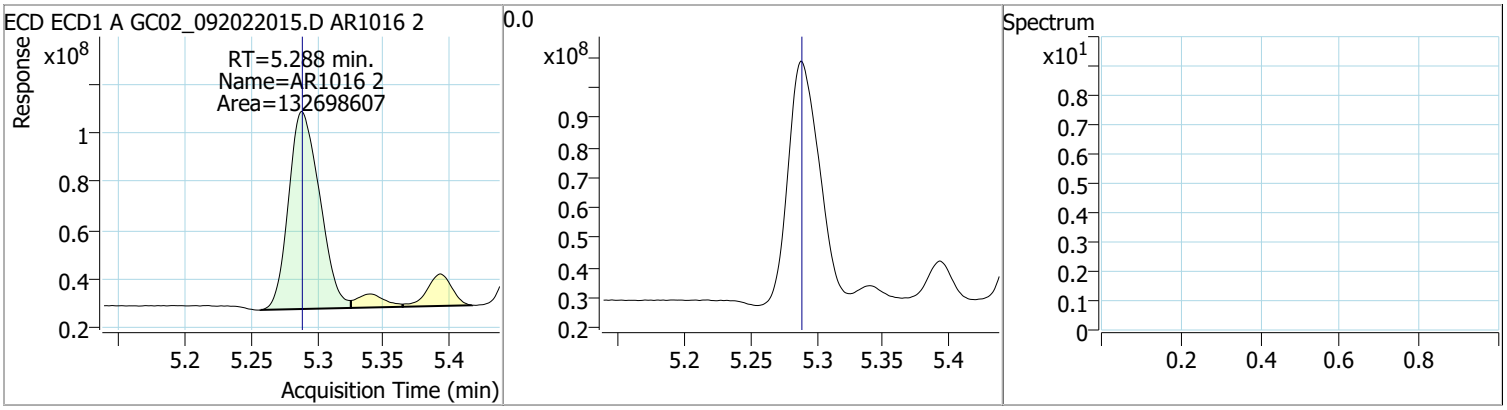
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.2660	4.94	0.00	14185130				



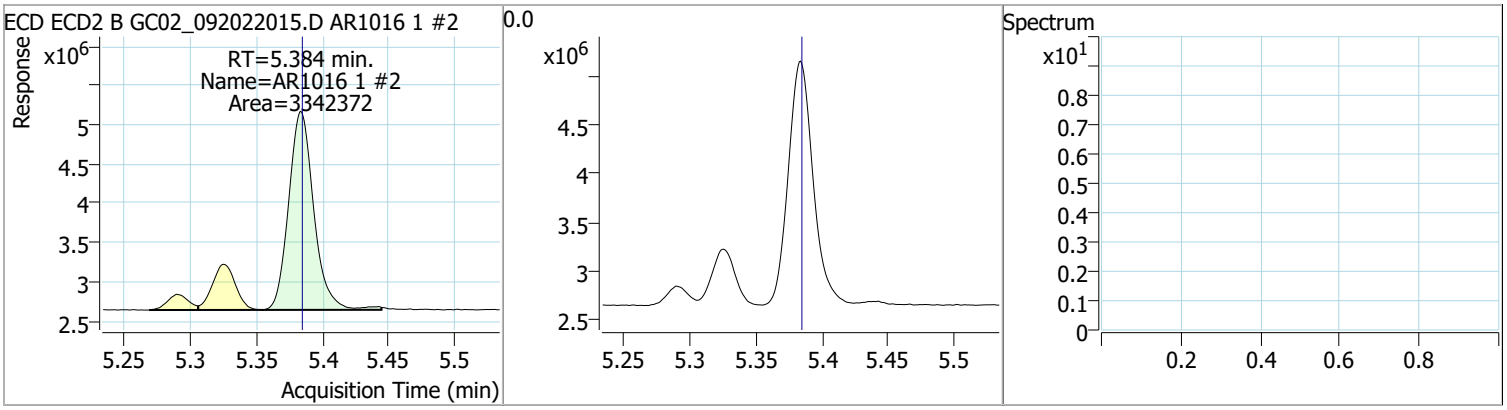
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	407.6954	4.97	0.00	66194050				



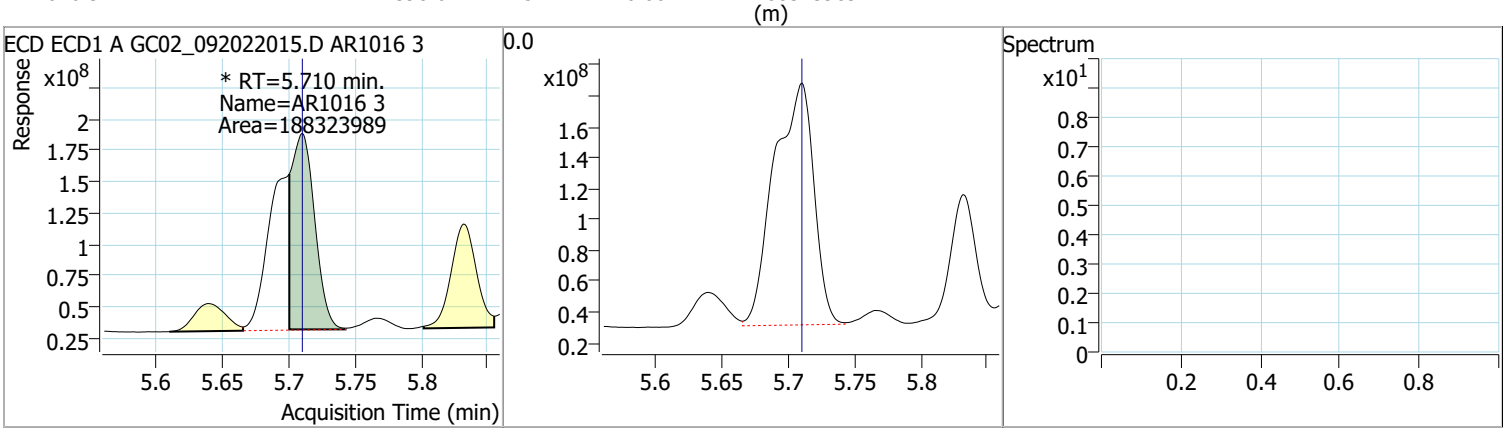
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	423.3665	5.29	0.00	132698607				



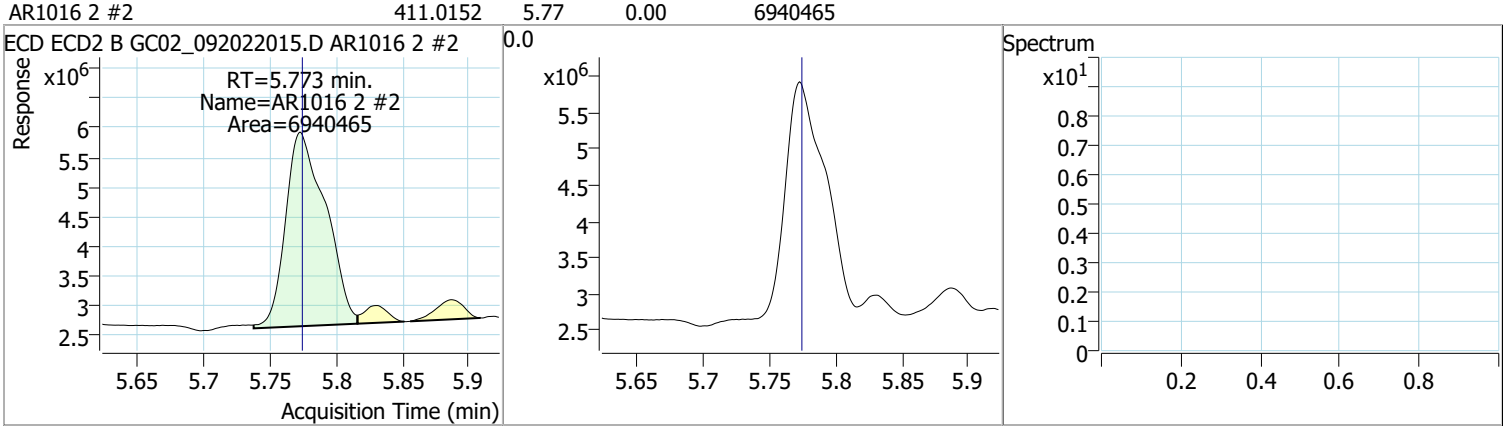
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	399.6418	5.38	0.00	3342372				



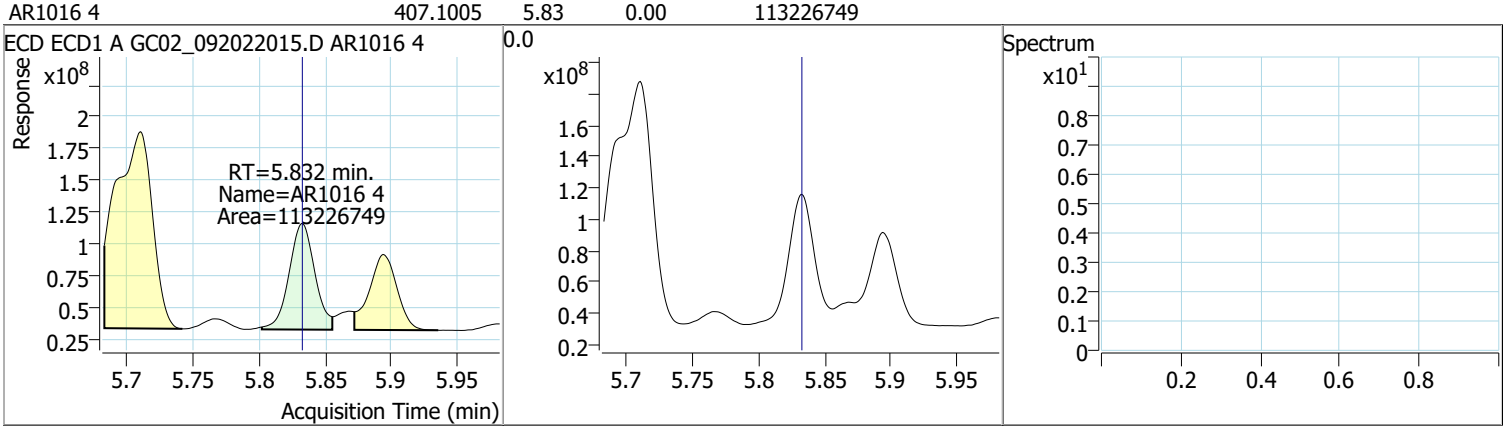
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	398.6772	5.71	0.00	188323989 (m)				



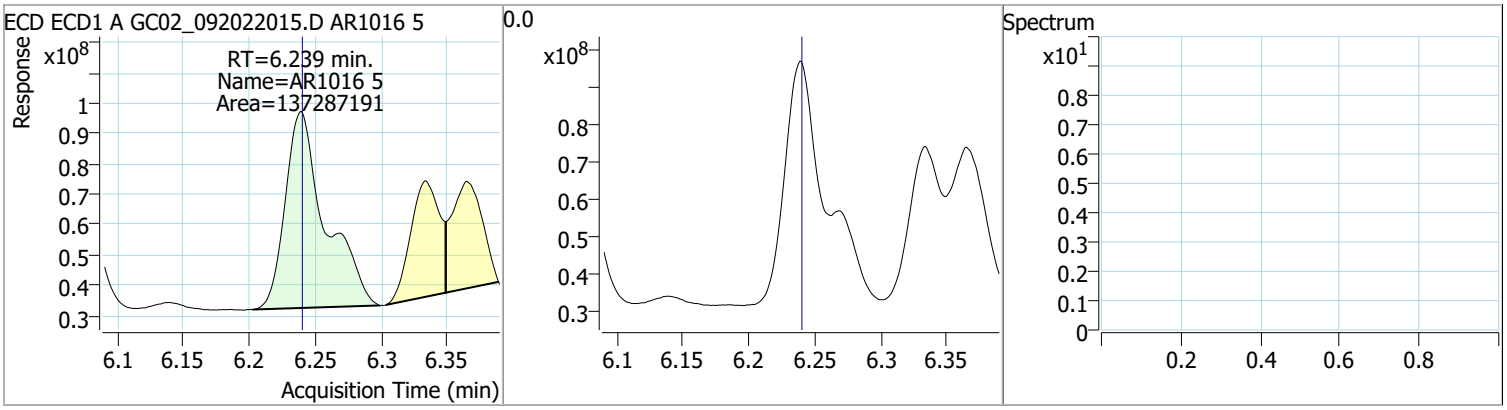
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	411.0152	5.77	0.00	6940465				



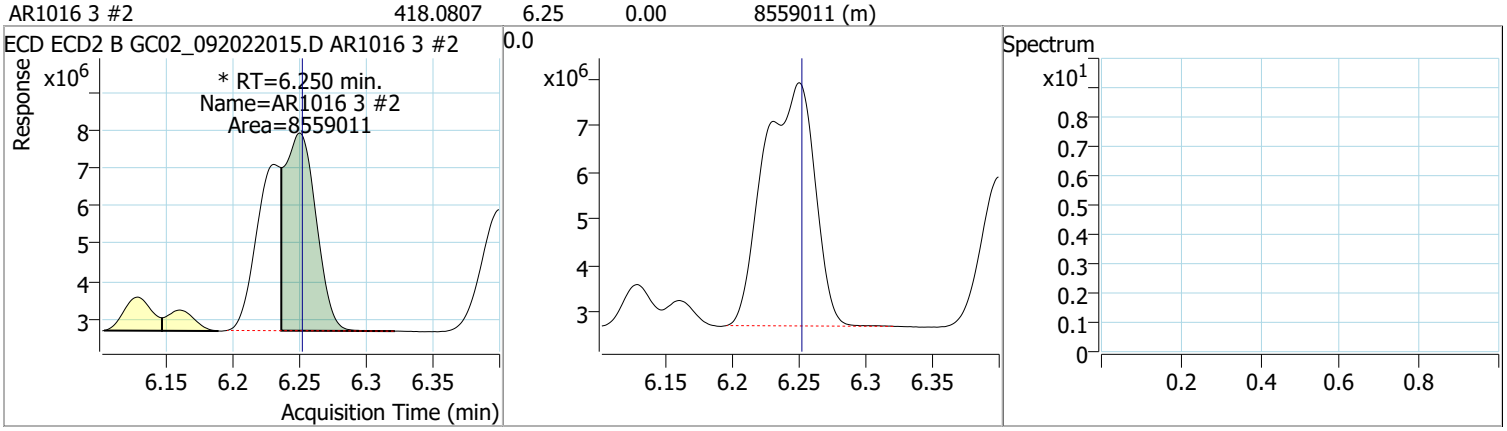
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	407.1005	5.83	0.00	113226749				



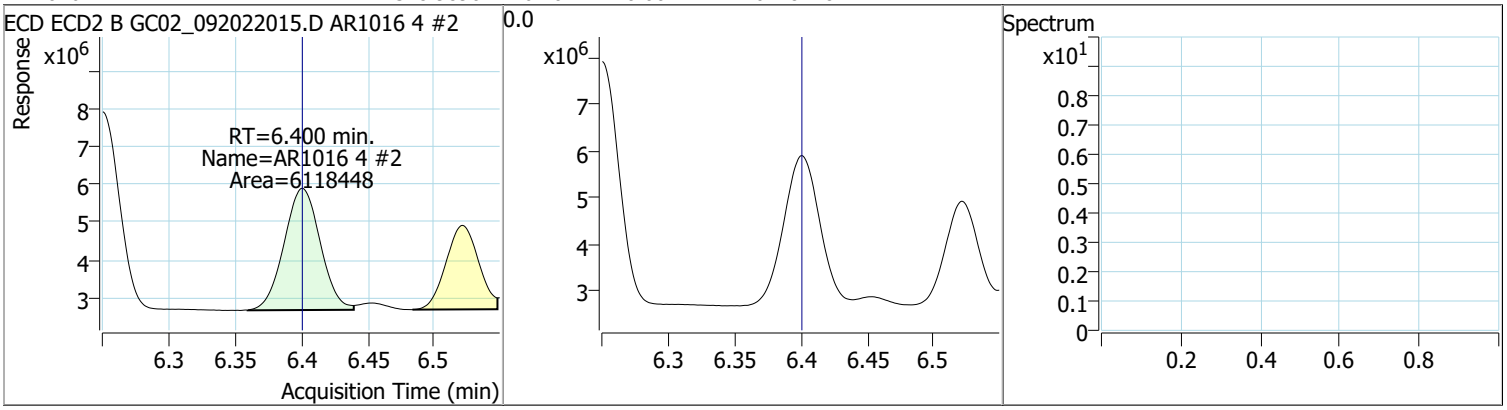
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	535.9412	6.24	0.00	137287191				



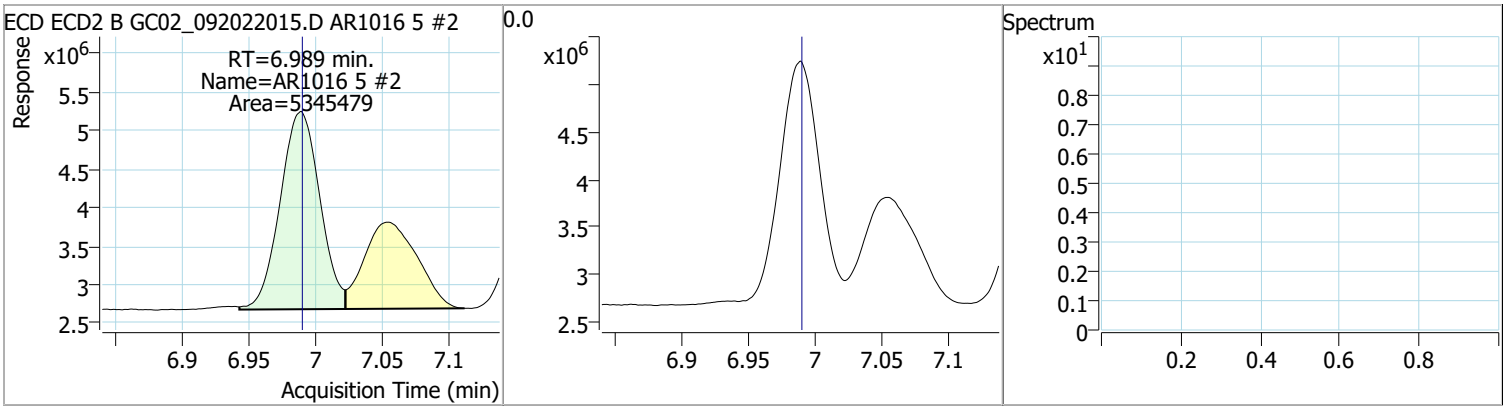
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	418.0807	6.25	0.00	8559011 (m)				



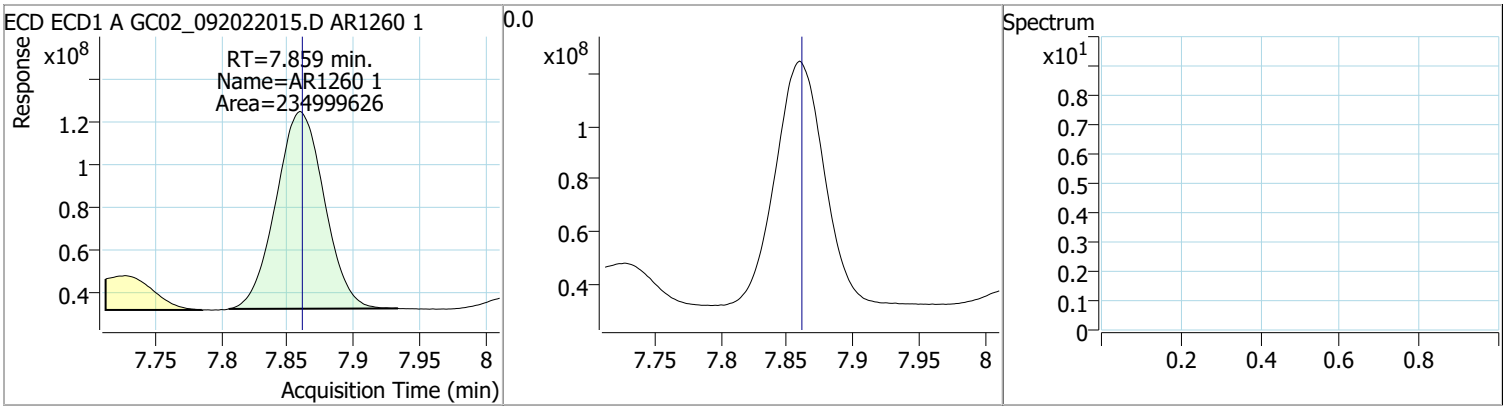
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	378.9890	6.40	0.00	6118448				



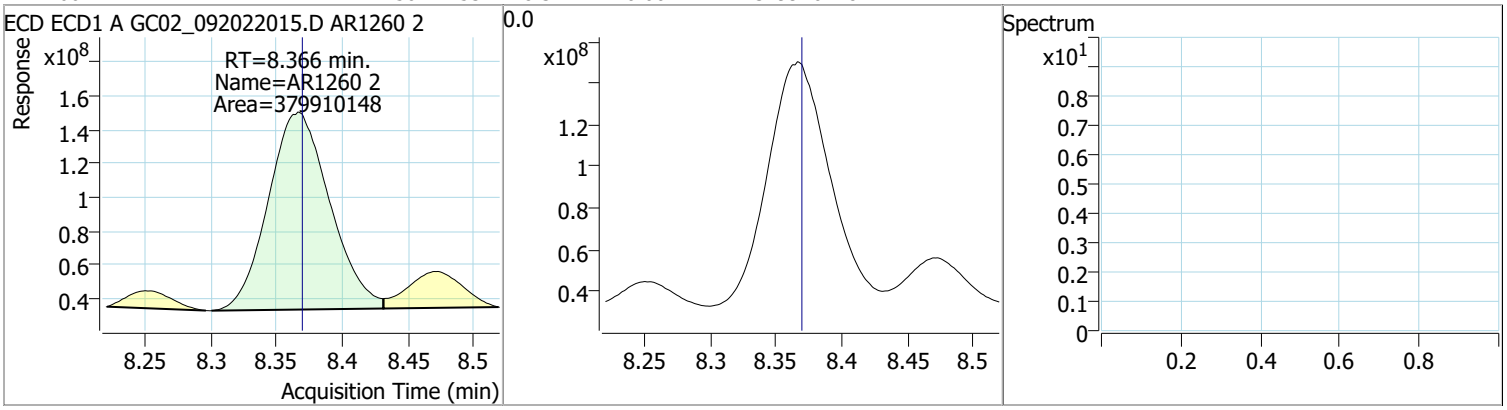
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	410.8017	6.99	0.00	5345479				



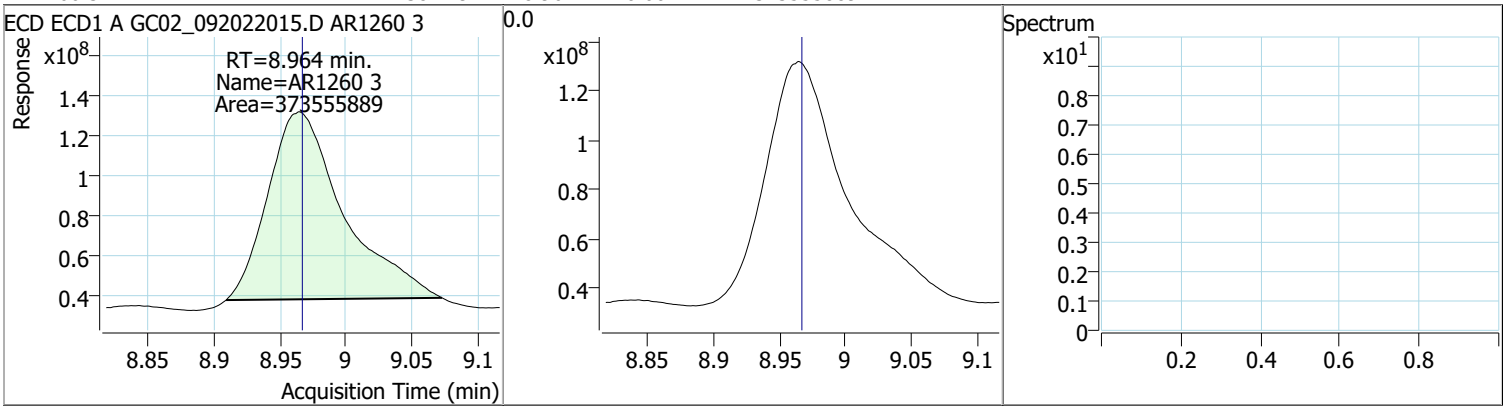
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	475.1087	7.86	0.00	234999626				



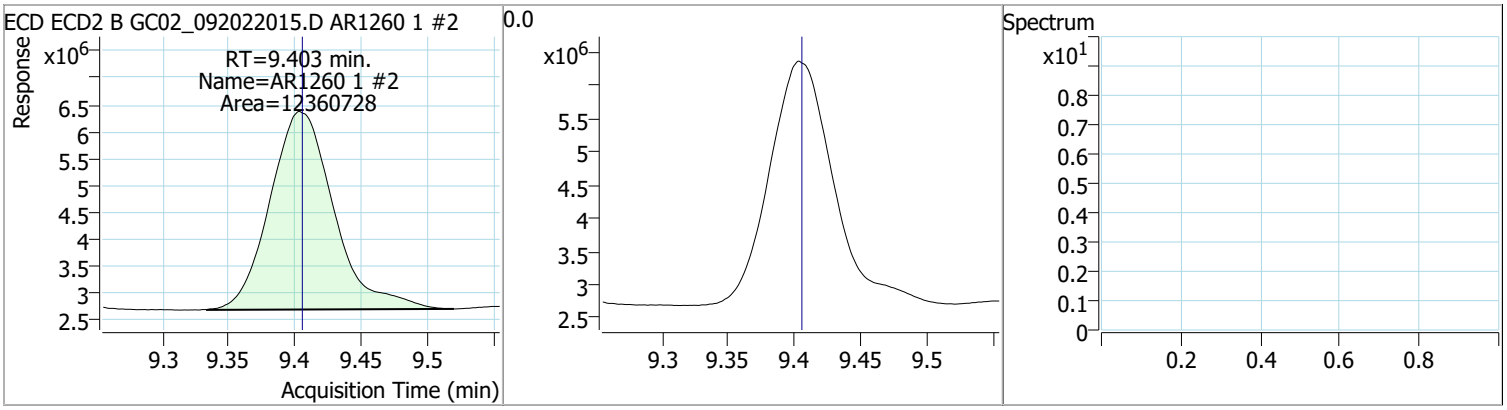
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	502.4753	8.37	0.00	379910148				



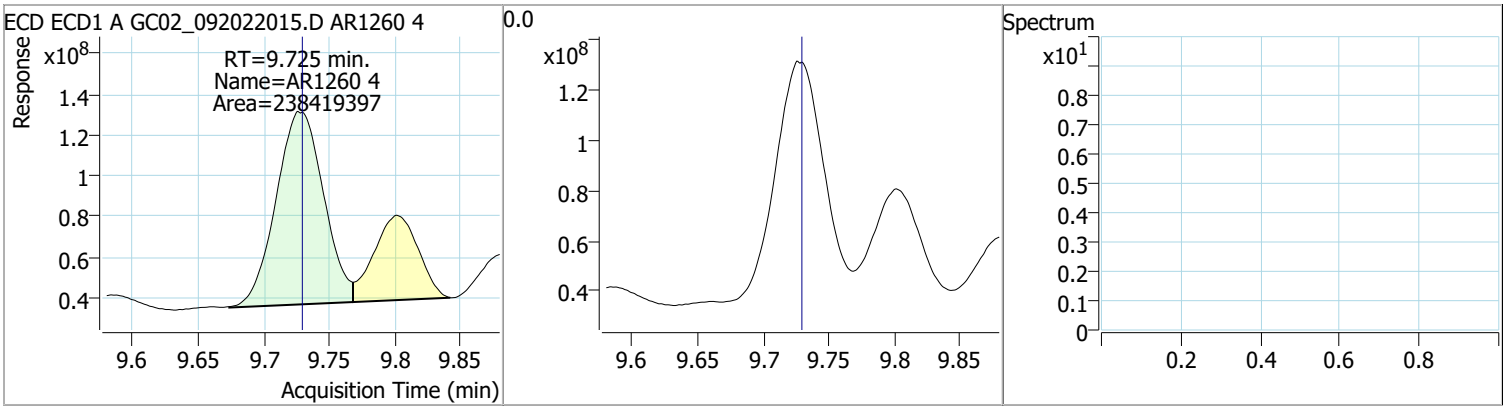
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	438.2197	8.96	0.00	373555889				



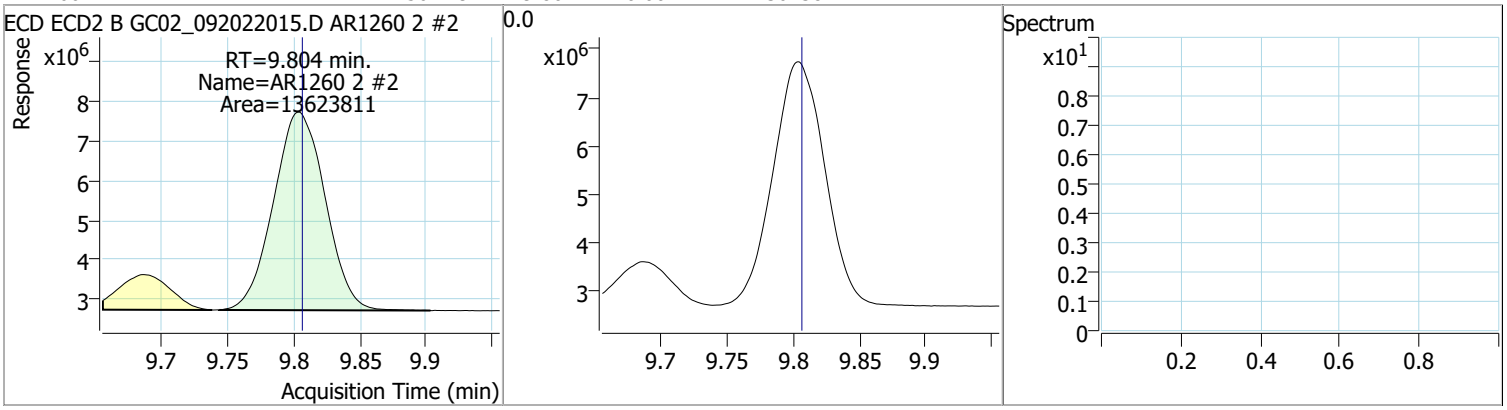
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	466.2700	9.40	0.00	12360728				



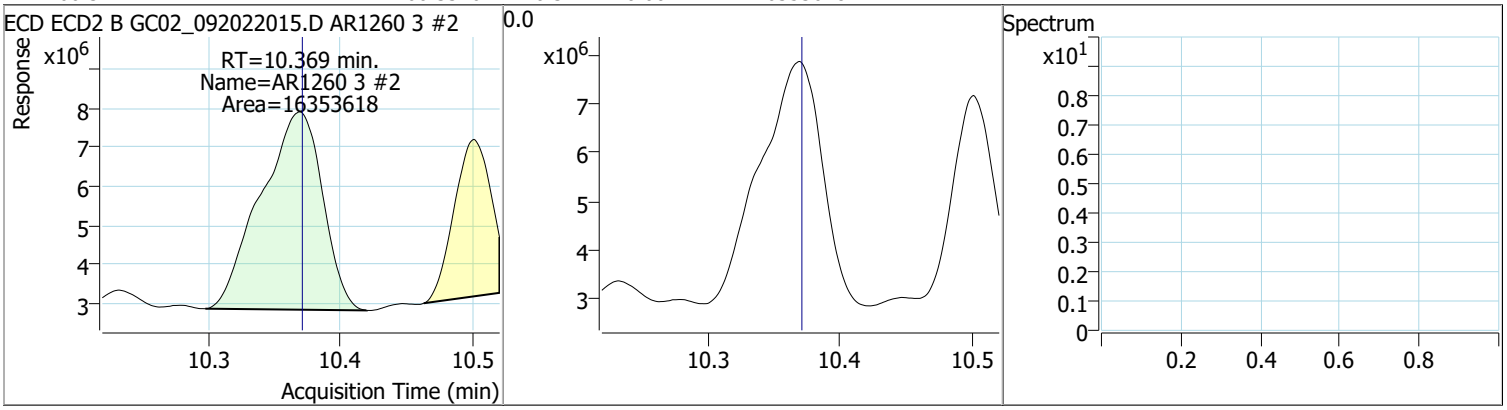
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	468.6051	9.73	-0.01	238419397				



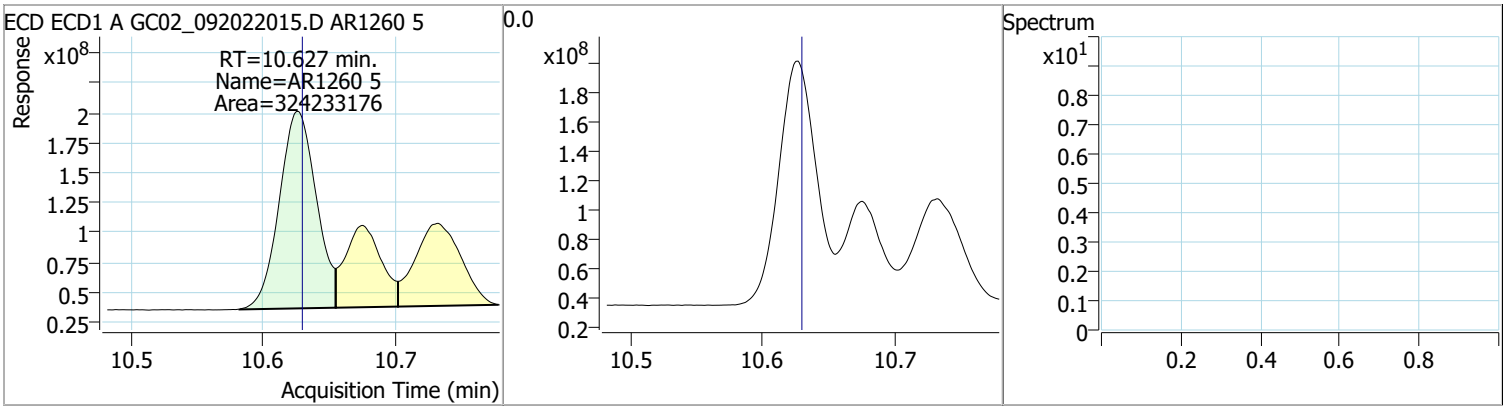
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	456.1191	9.80	0.00	13623811				



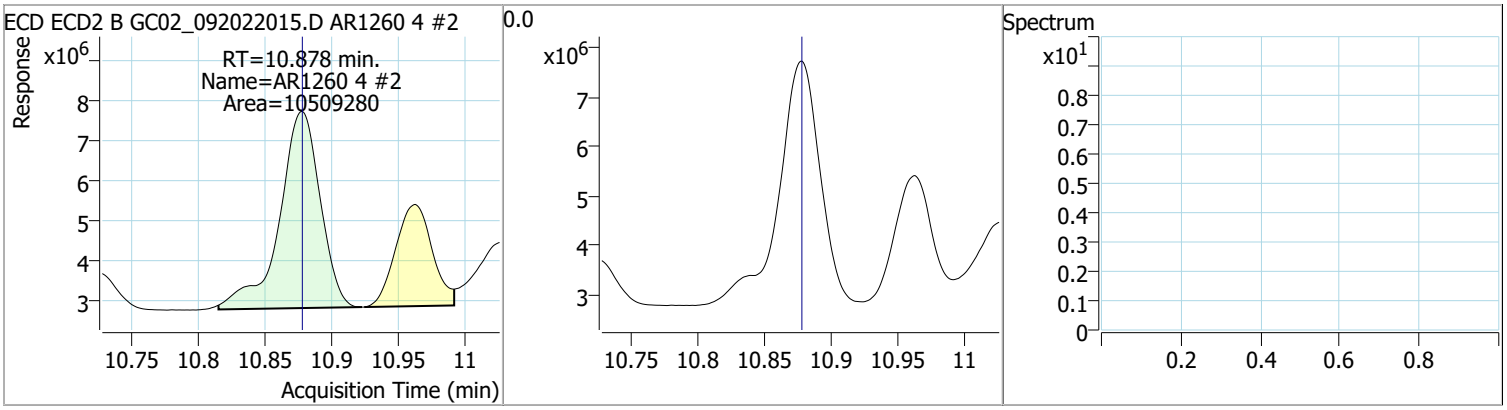
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	460.3316	10.37	0.00	16353618				



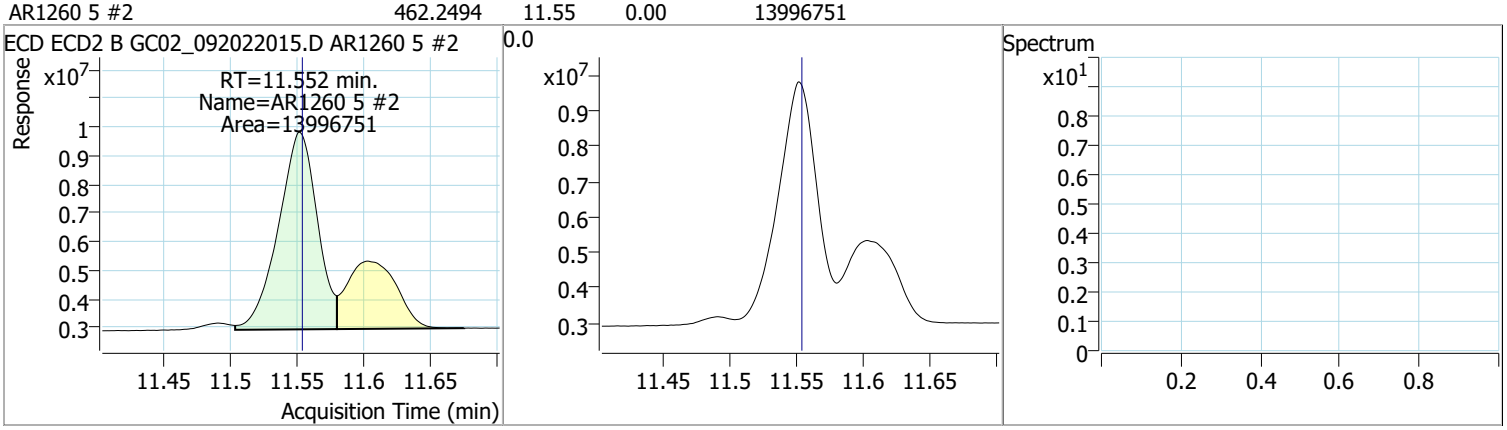
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	487.3395	10.63	0.00	324233176				



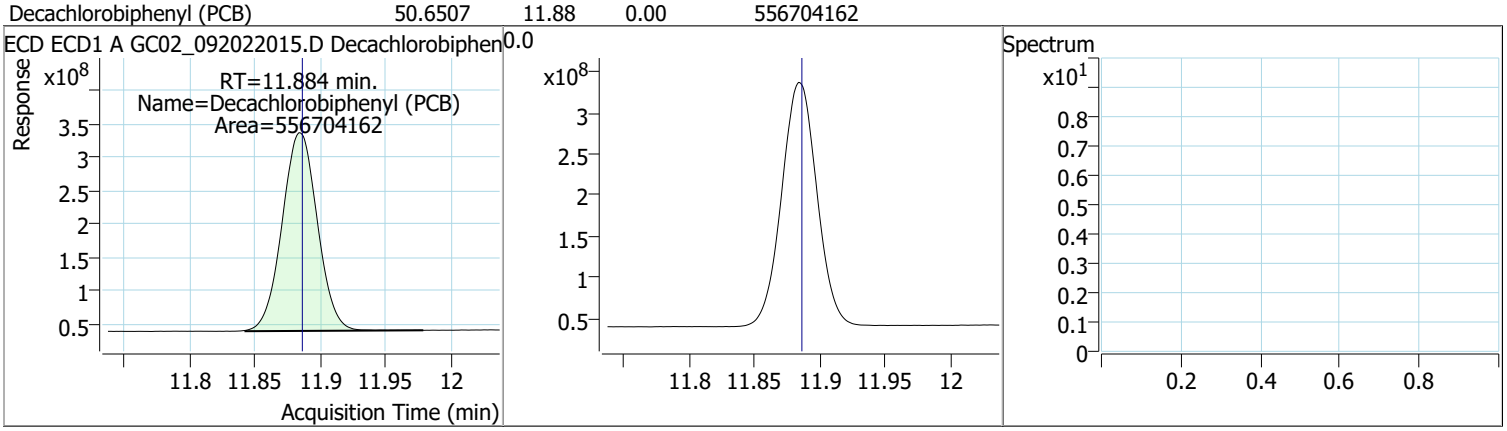
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	513.5882	10.88	0.00	10509280				



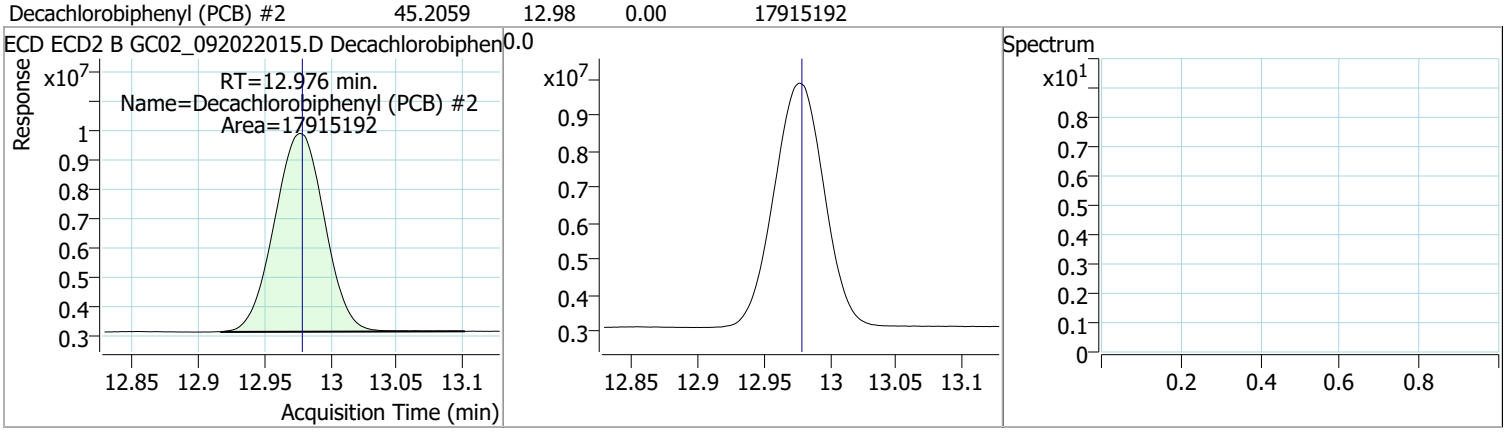
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	462.2494	11.55	0.00	13996751				



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

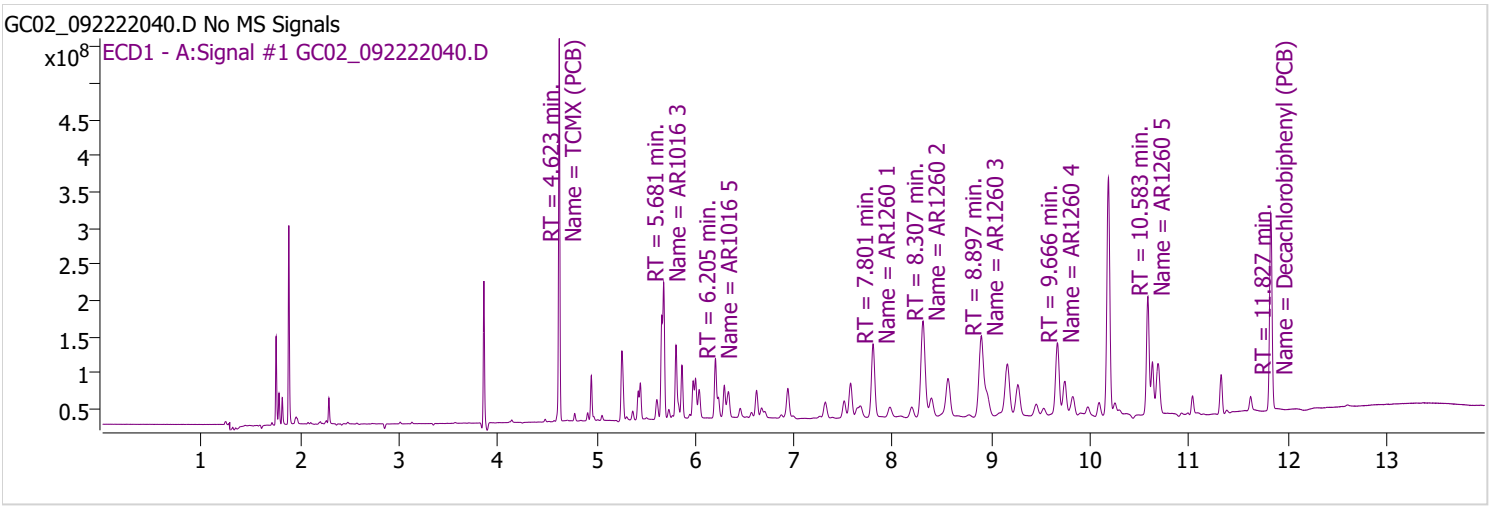
TRN 09/23/22 [Aroclor-1016 Peak # 3 A]: Separated from coeluting peak for all channels for spike & dup. [general version]

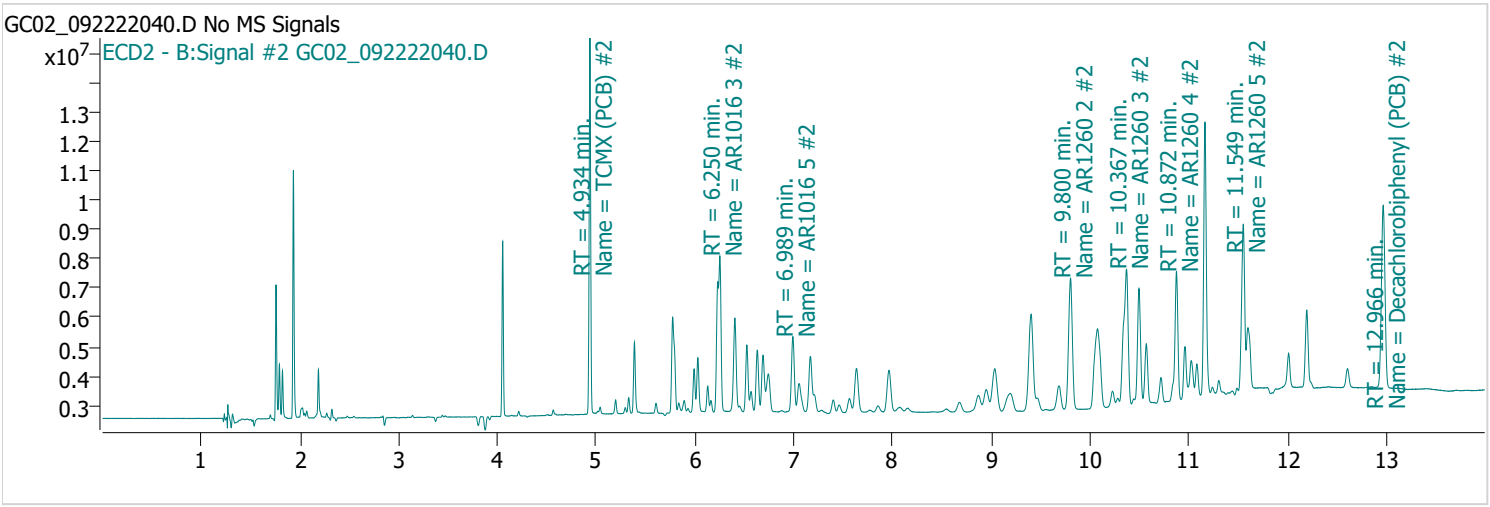
+=high bias c=CCV u=use

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			



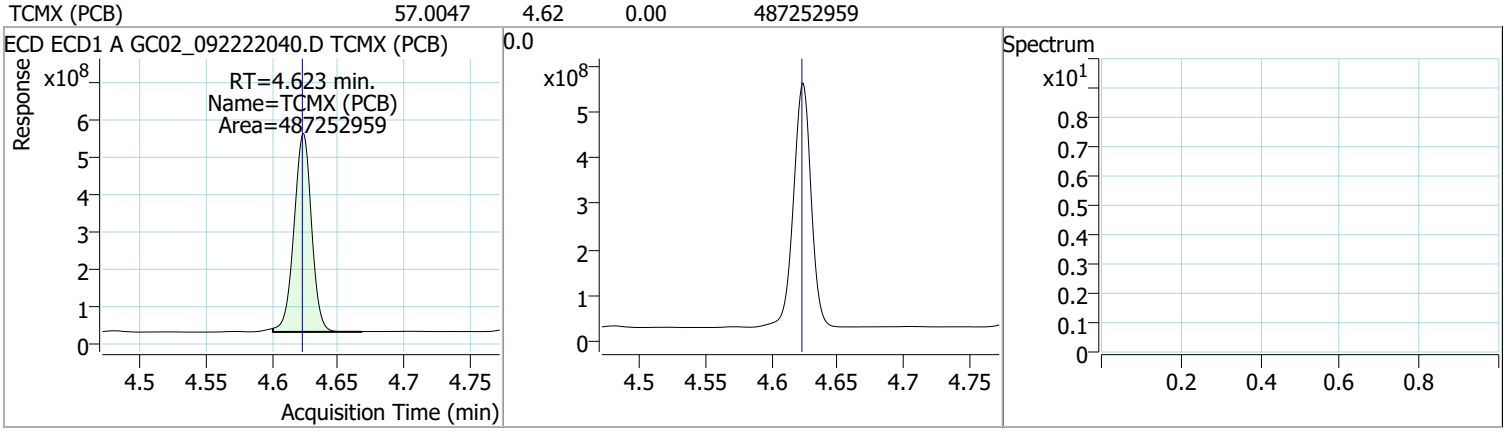


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.861	0.0	180701779.141	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.052	0.0	5784194.265	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.623	0.0	487252958.850	57.0047	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

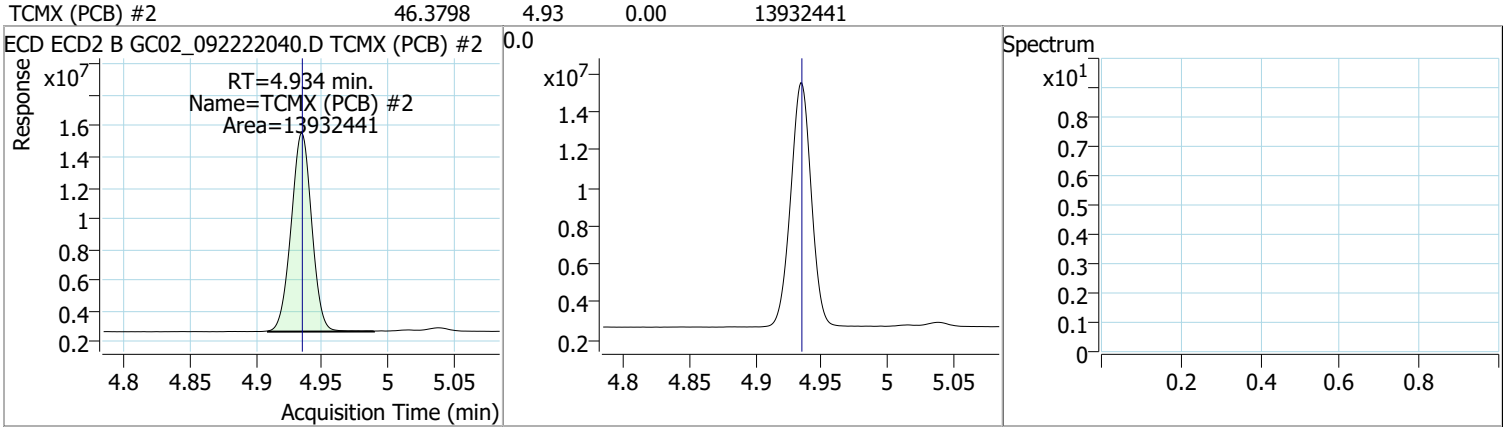
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.948	0.0	69140070.283	435.0443	ng/ml		100
T AR1016 2	5.258	0.0	149524627.129	487.3598	ng/ml		100
T AR1016 1 #2	5.385	0.0	3149981.816	430.9904	ng/ml		100
T AR1016 3	5.681	0.0	240216588.489	519.5240	ng/ml	m	100
T AR1016 2 #2	5.772	0.0	6938830.890	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

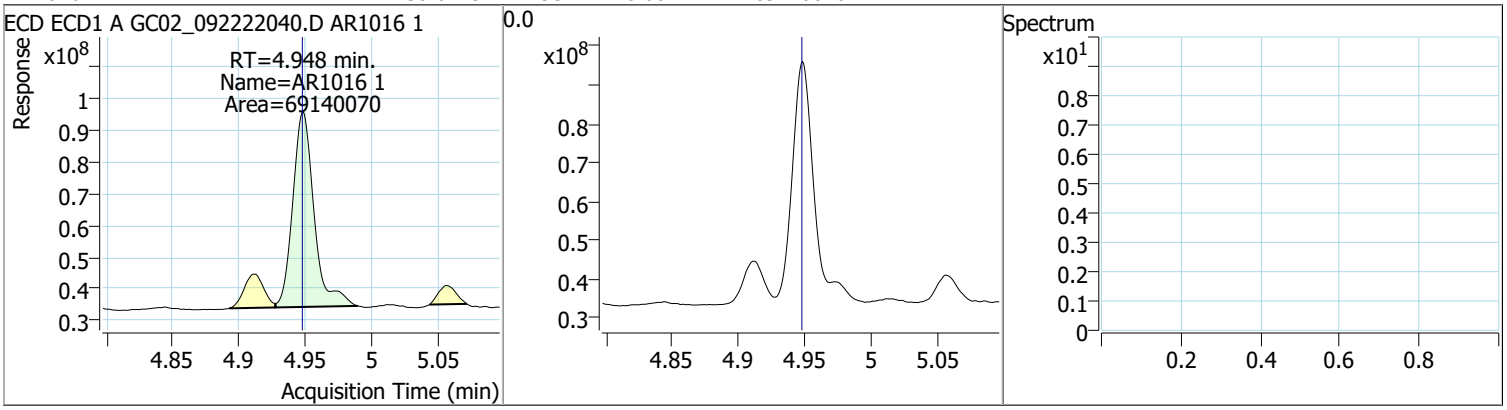
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	57.0047	4.62	0.00	487252959				



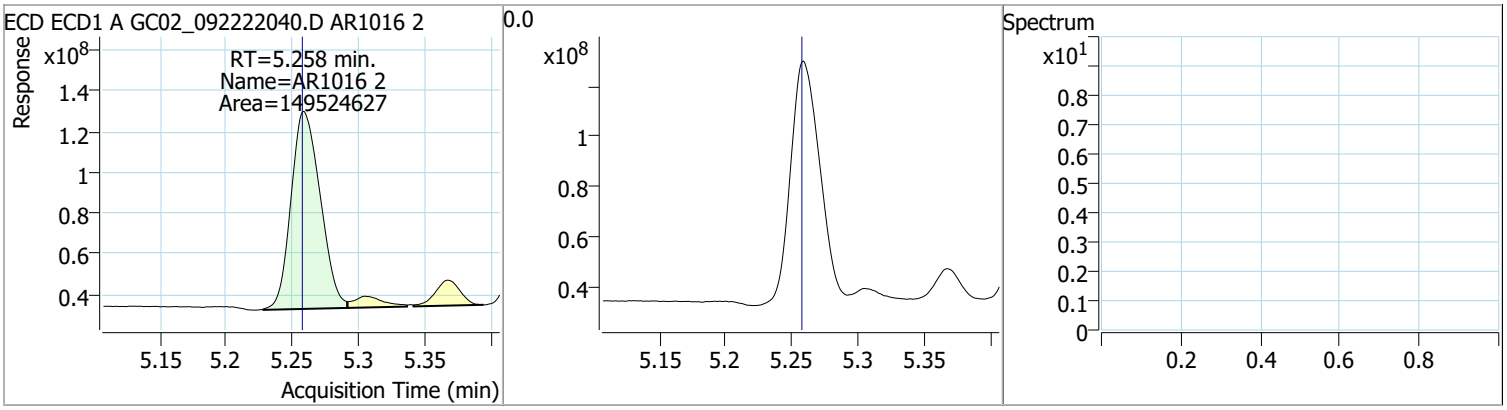
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TCMX (PCB) #2	46.3798	4.93	0.00	13932441				



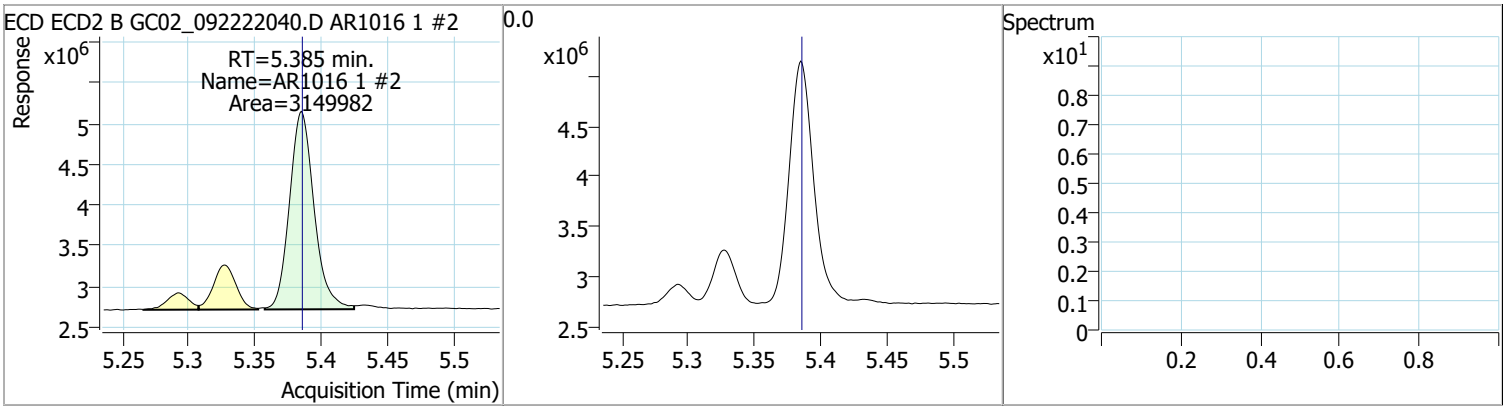
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	435.0443	4.95	0.00	69140070				



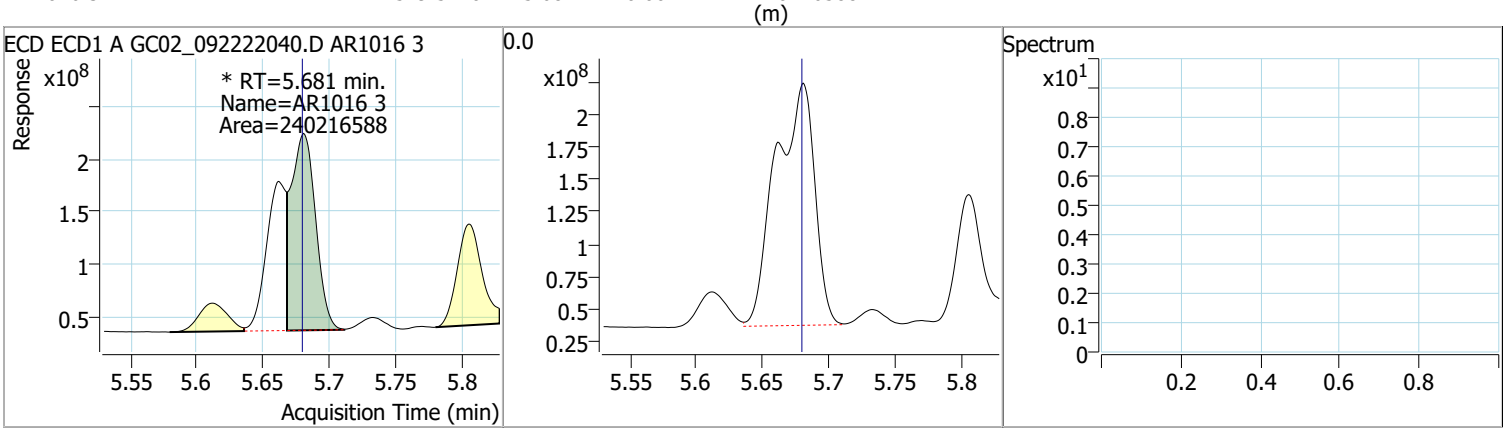
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AR1016 2	487.3598	5.26	0.00	149524627				



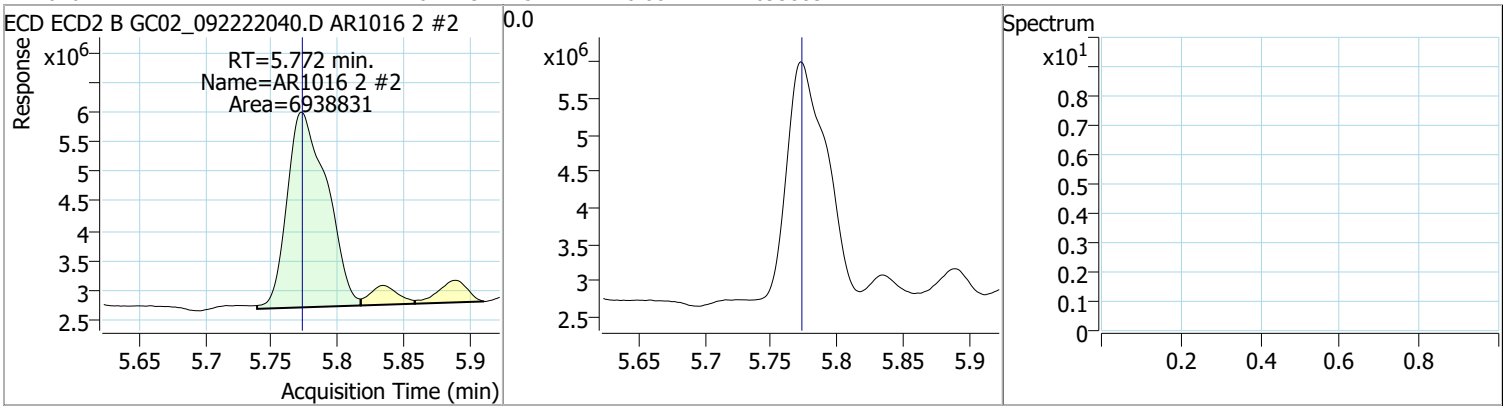
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AR1016 1 #2	430.9904	5.38	0.00	3149982				



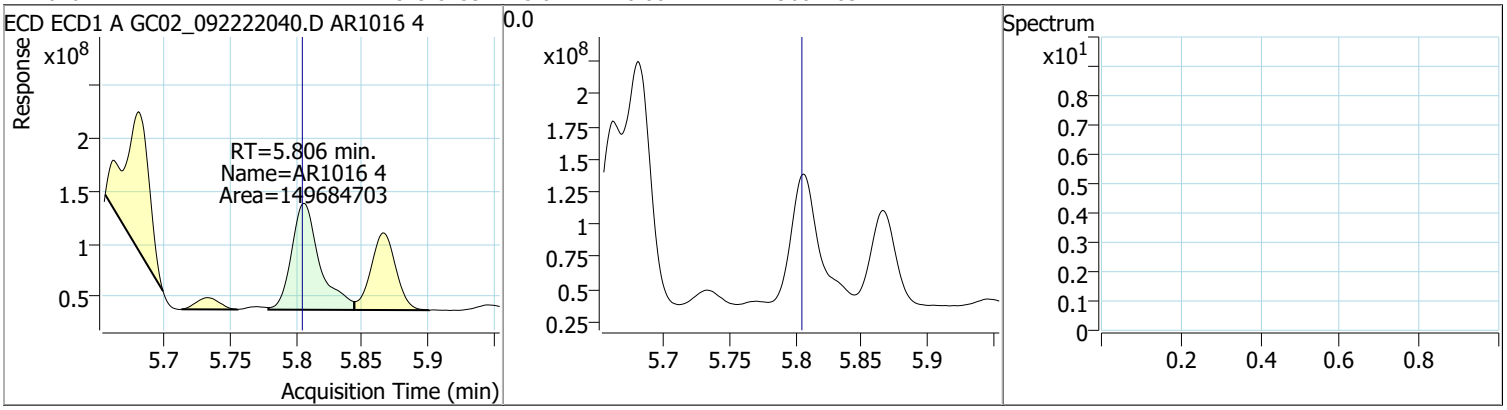
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AR1016 3	519.5240	5.68	0.00	240216588 (m)				



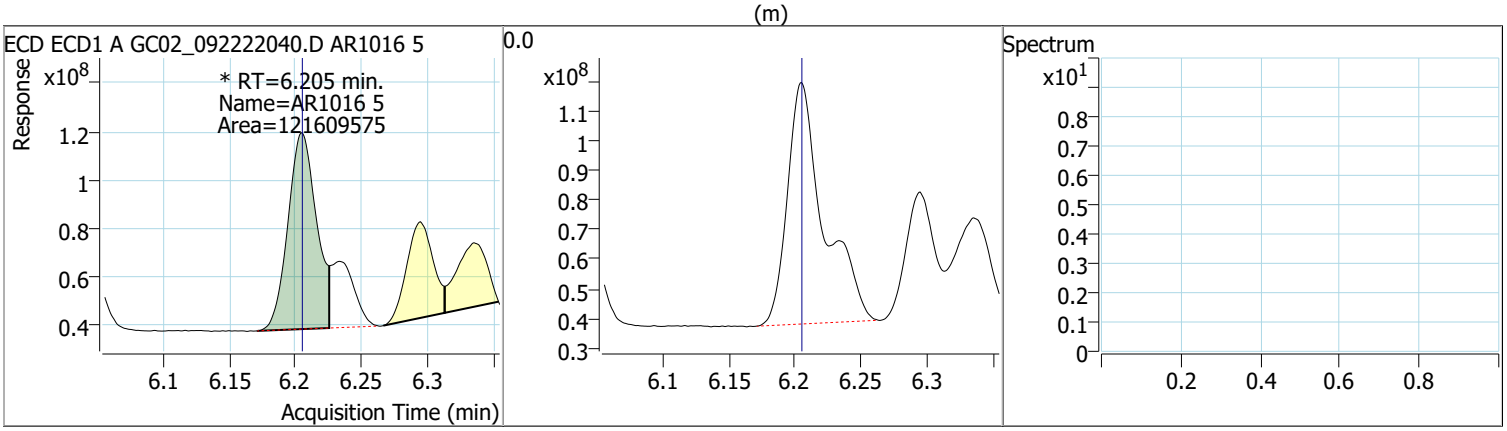
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AR1016 2 #2	470.2179	5.77	0.00	6938831				



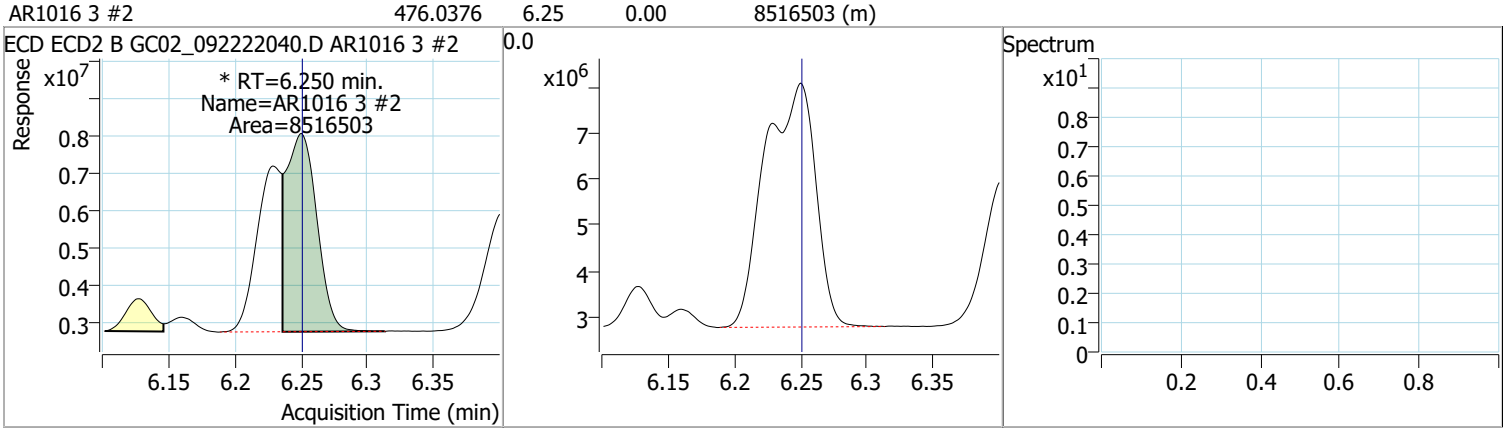
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	549.8153	5.81	0.00	149684703				



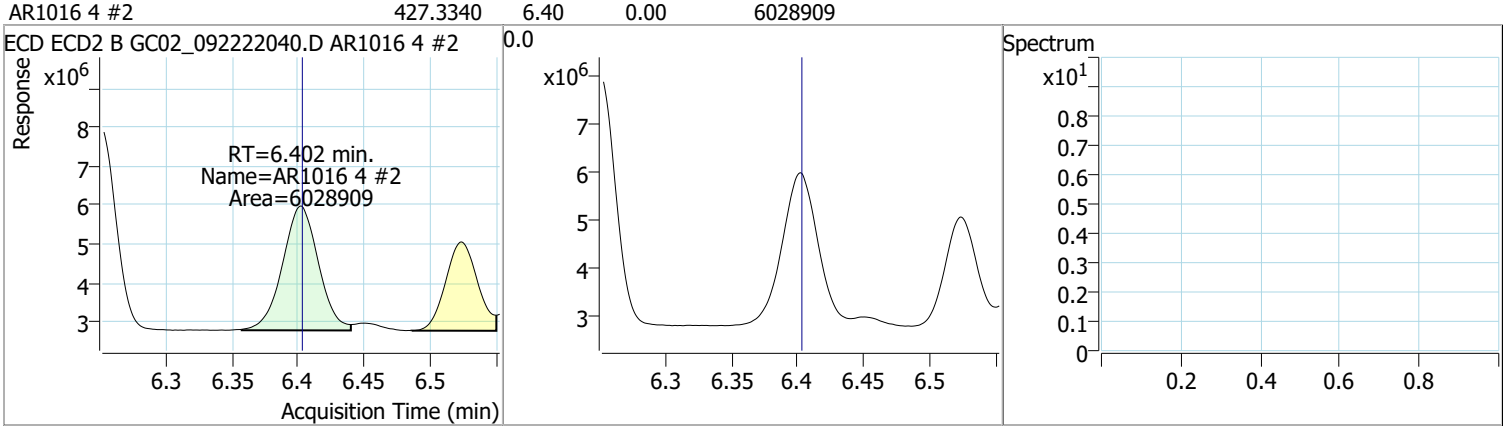
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AR1016 5	485.0000	6.20	0.00	121609575 (m)				



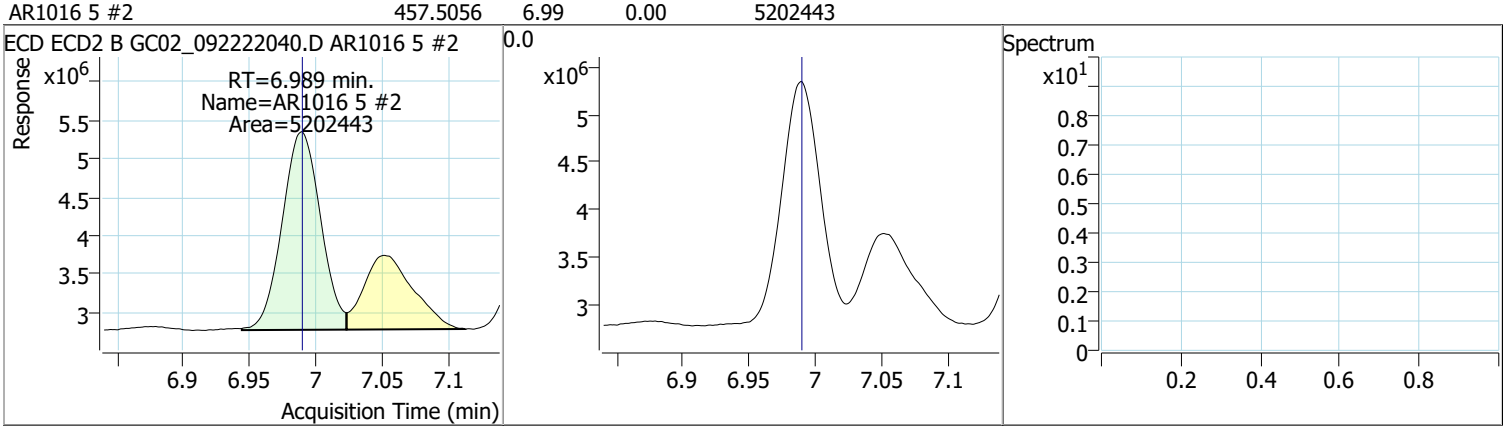
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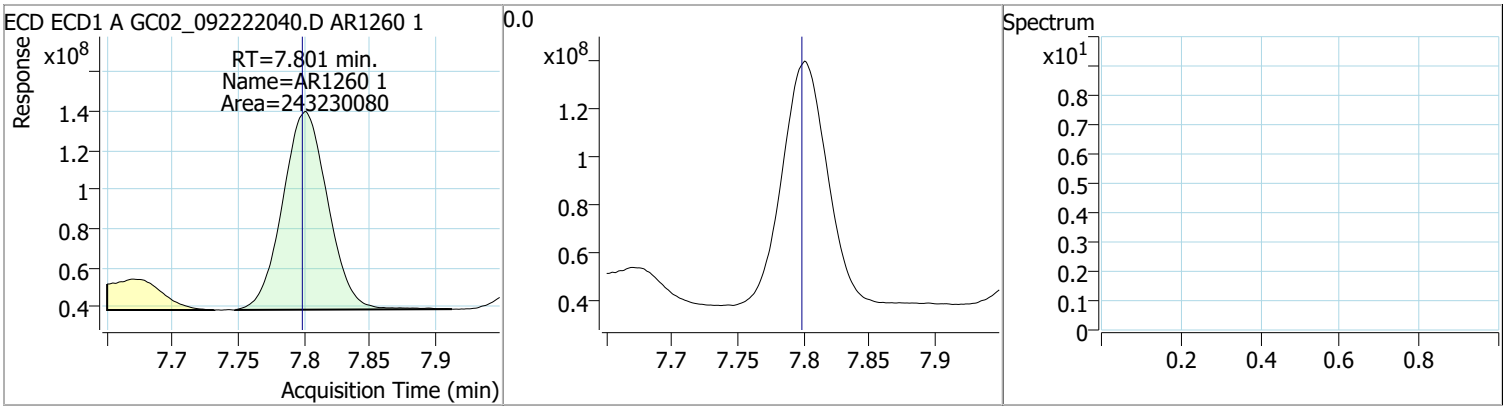
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AR1016 4 #2	427.3340	6.40	0.00	6028909				



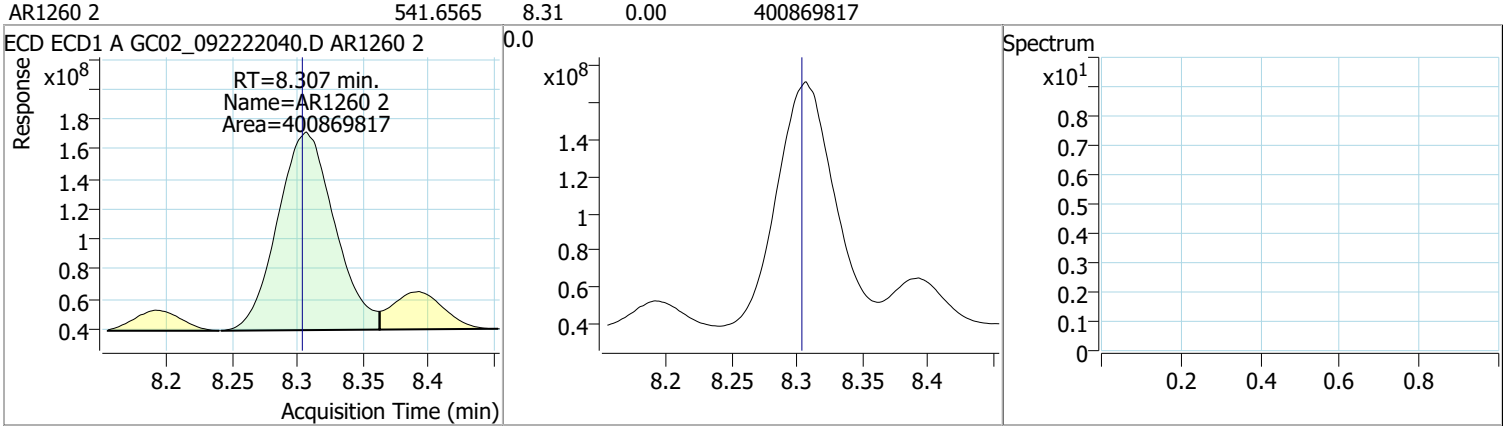
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	457.5056	6.99	0.00	5202443				



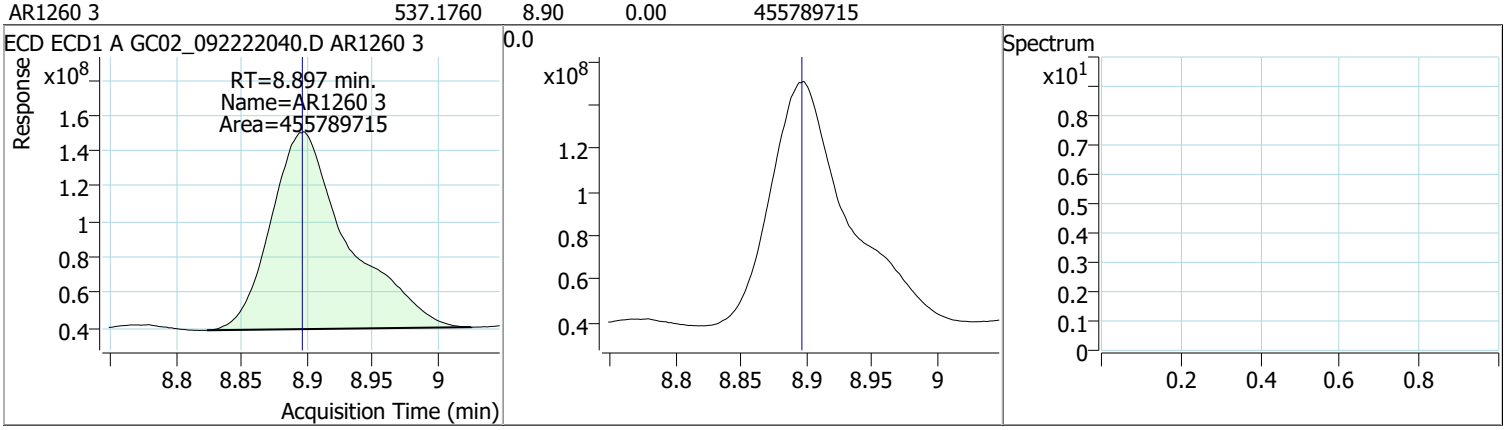
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	502.3772	7.80	0.00	243230080				



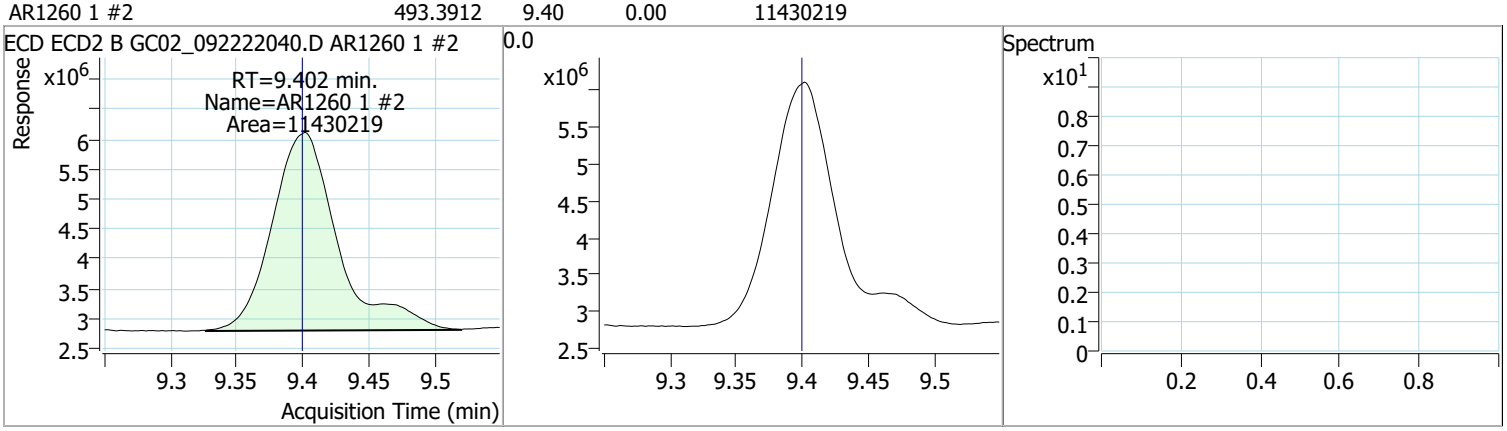
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	541.6565	8.31	0.00	400869817				



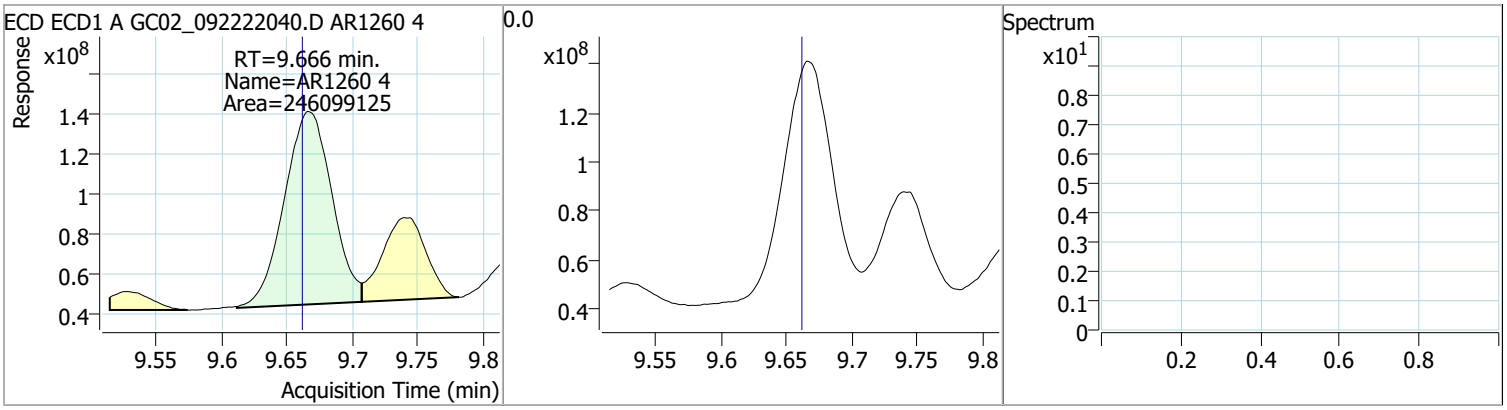
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	537.1760	8.90	0.00	455789715				



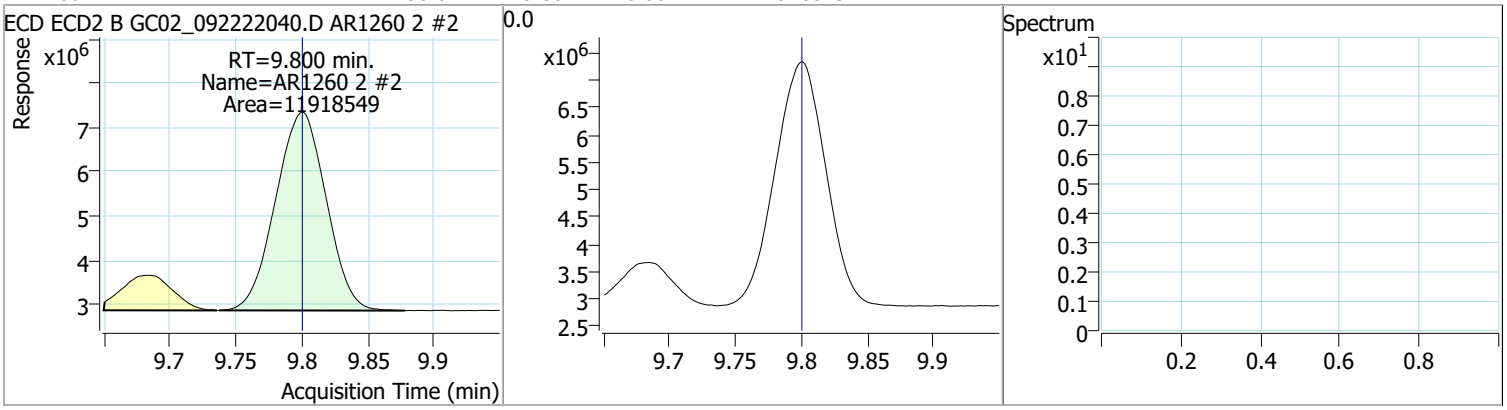
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	493.3912	9.40	0.00	11430219				



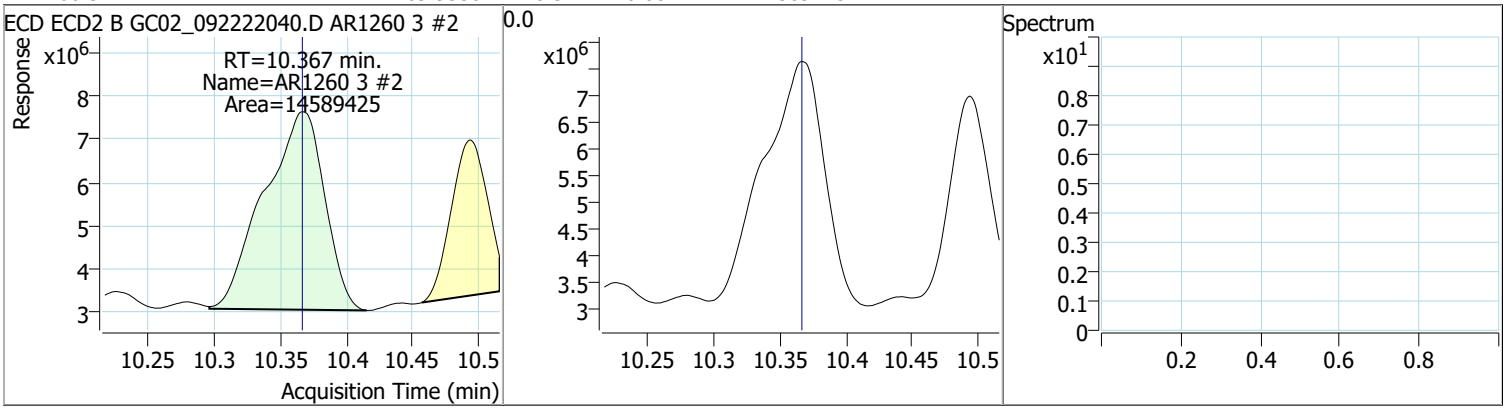
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	494.1541	9.67	0.00	246099125				



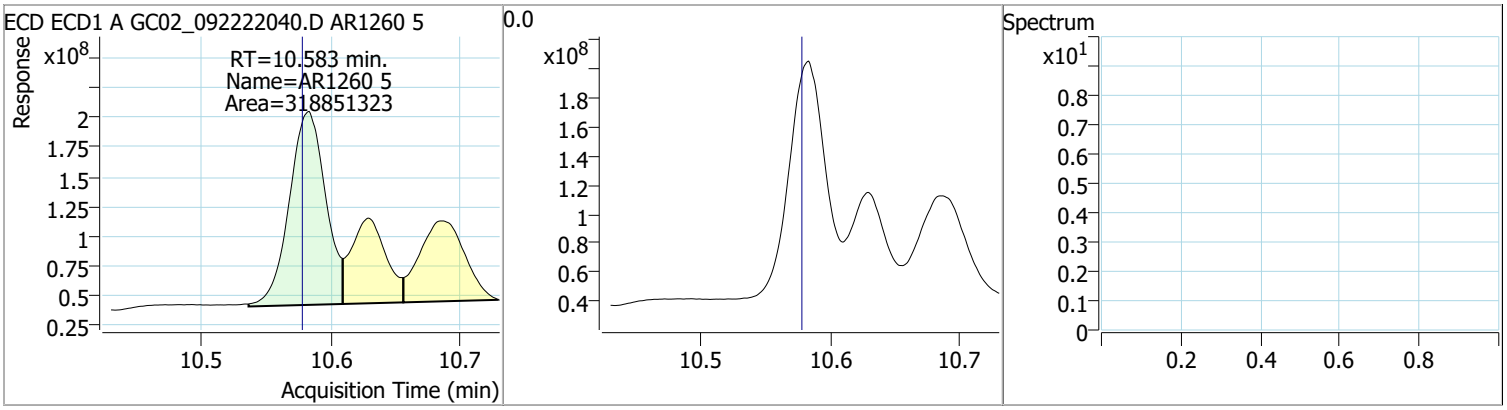
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	456.6111	9.80	0.00	11918549				



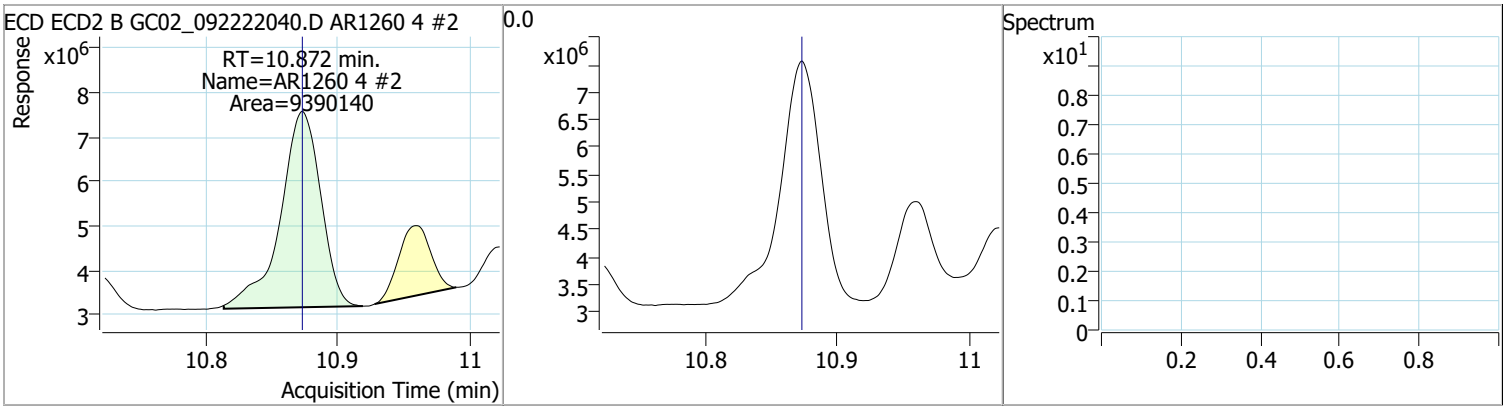
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	469.9358	10.37	0.00	14589425				



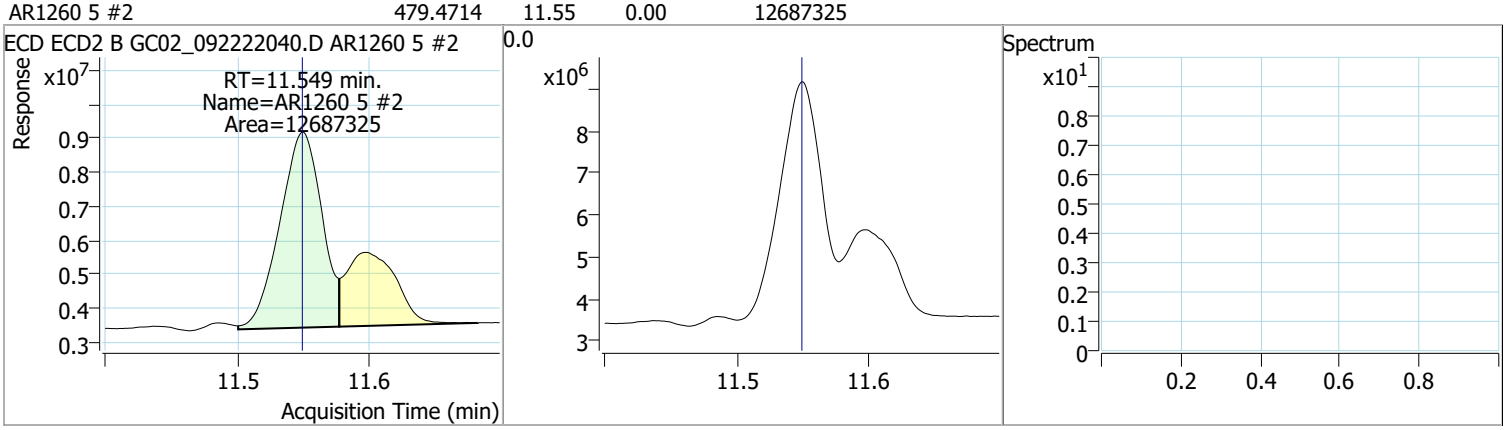
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	489.6088	10.58	0.00	318851323				



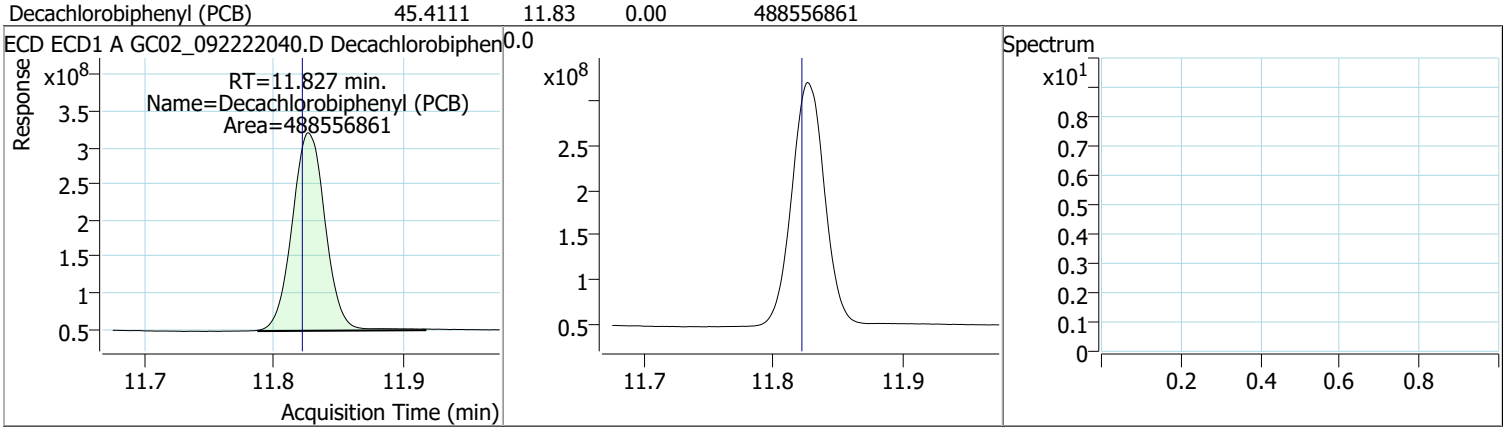
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	525.1189	10.87	0.00	9390140				



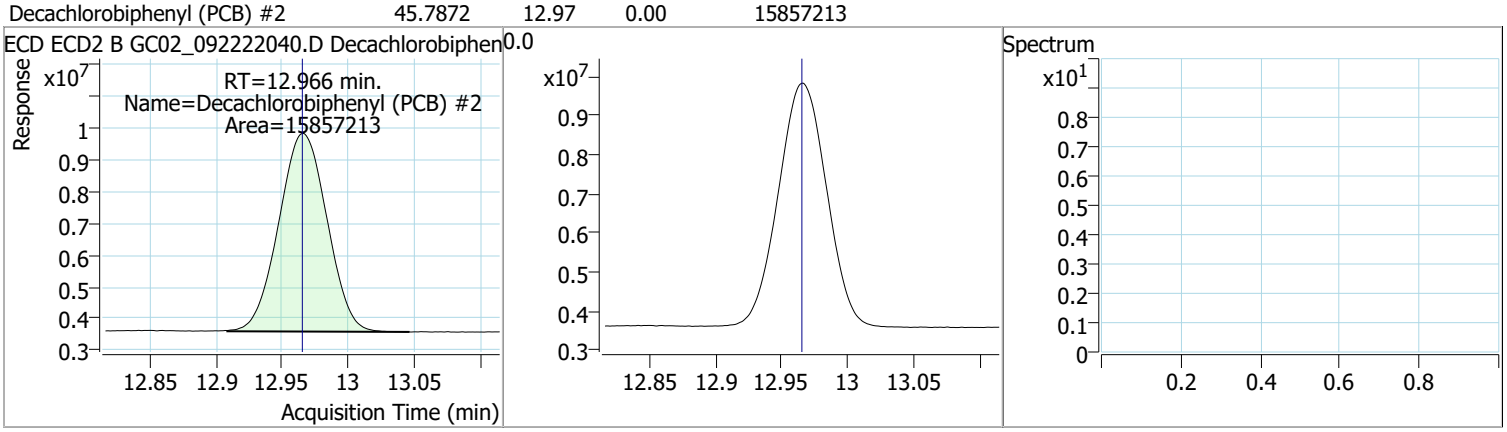
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	479.4714	11.55	0.00	12687325				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	45.4111	11.83	0.00	488556861				

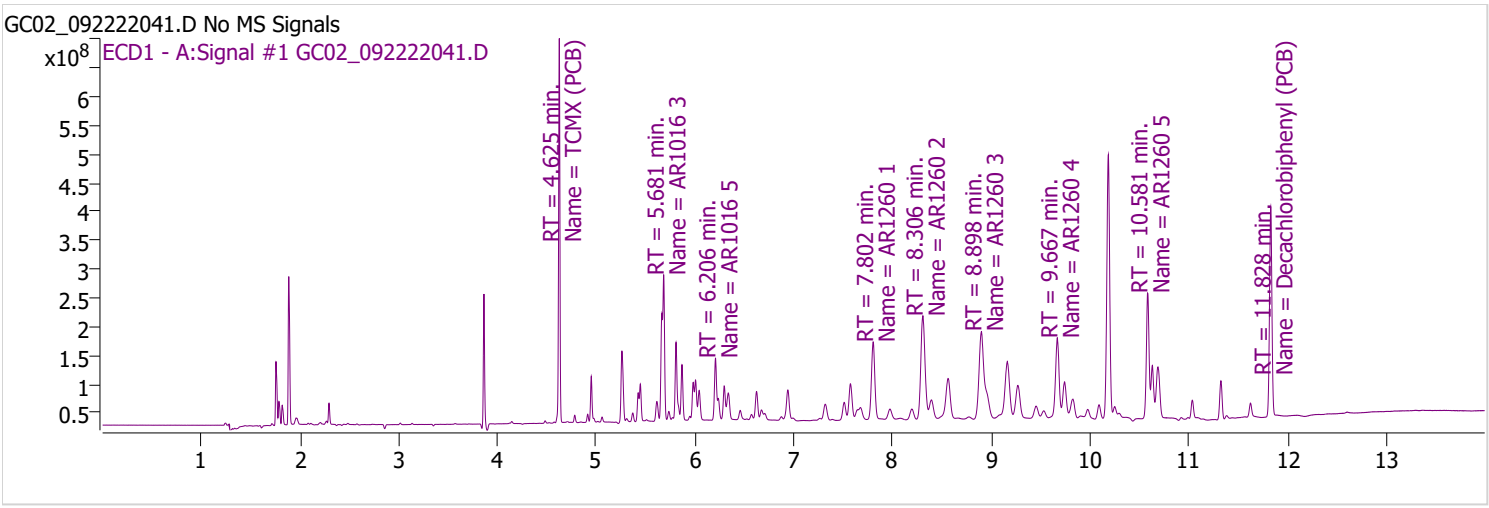


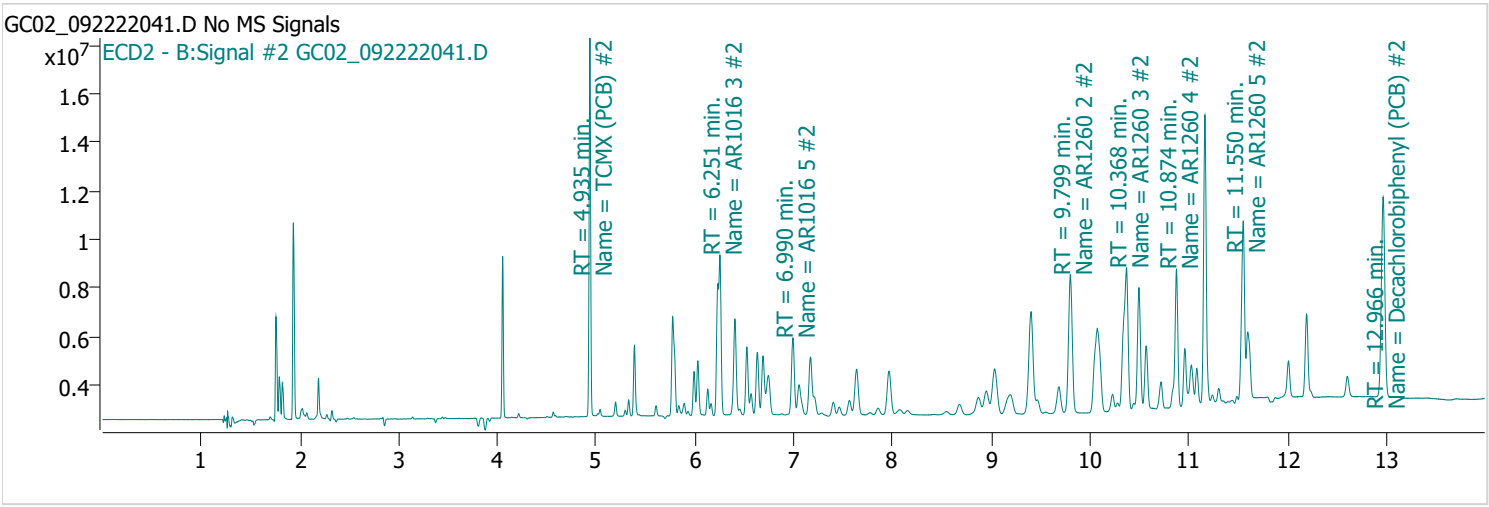
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	45.7872	12.97	0.00	15857213				



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			



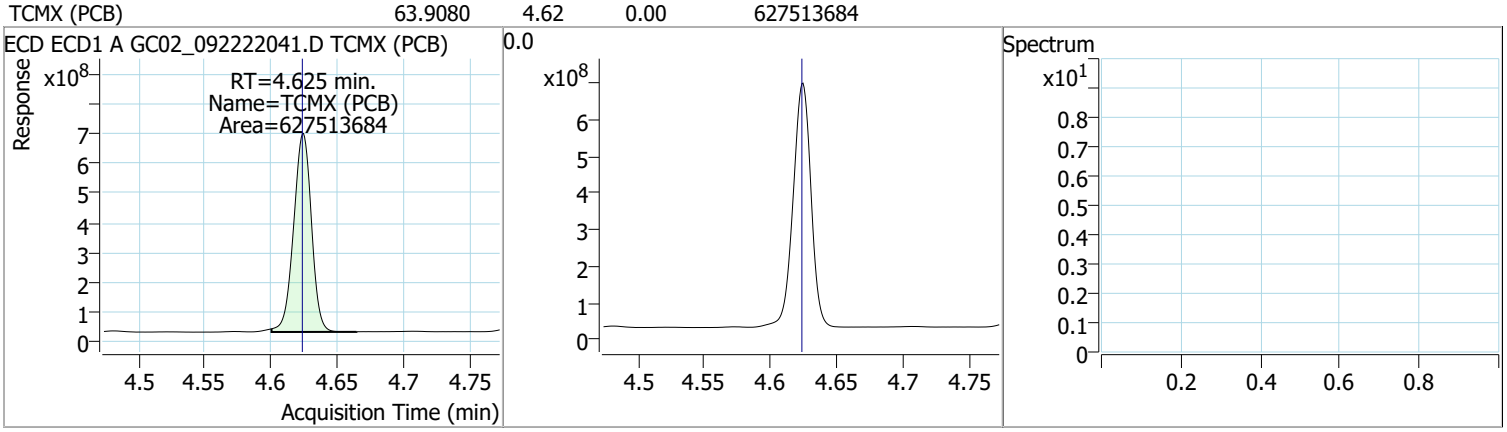


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.862	0.0	207580531.229	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.051	0.0	6639333.236	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.625	0.0	627513683.833	63.9080	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

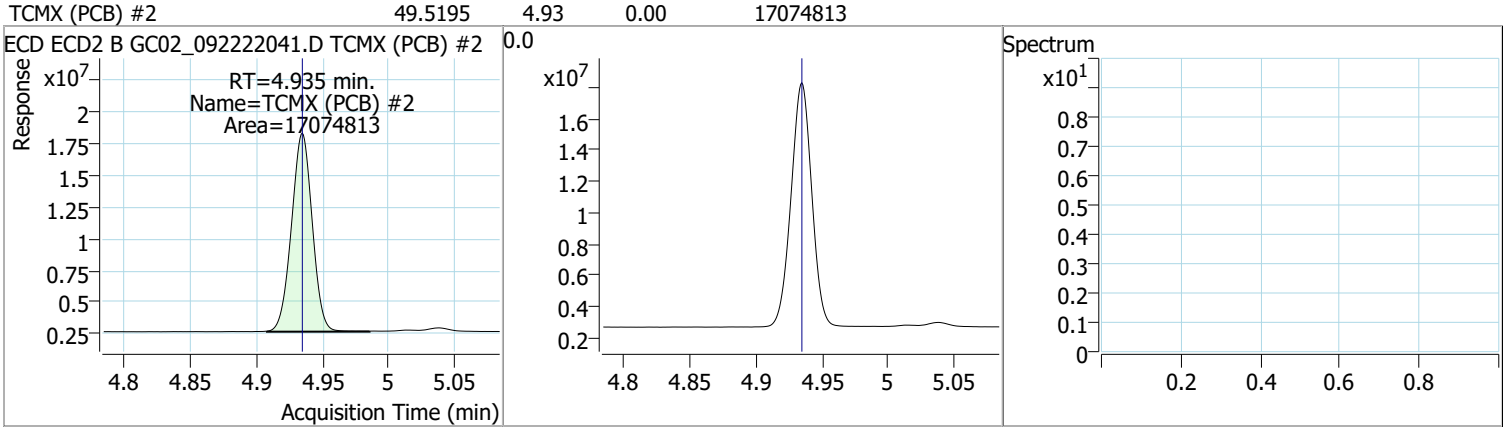
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.948	0.0	84678993.778	463.8261	ng/ml		100
T AR1016 2	5.258	0.0	191954302.288	544.6413	ng/ml		100
T AR1016 1 #2	5.386	0.0	3901891.629	465.1073	ng/ml		100
T AR1016 3	5.681	0.0	306954208.511	577.8991	ng/ml	m	100
T AR1016 2 #2	5.773	0.0	8548962.063	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

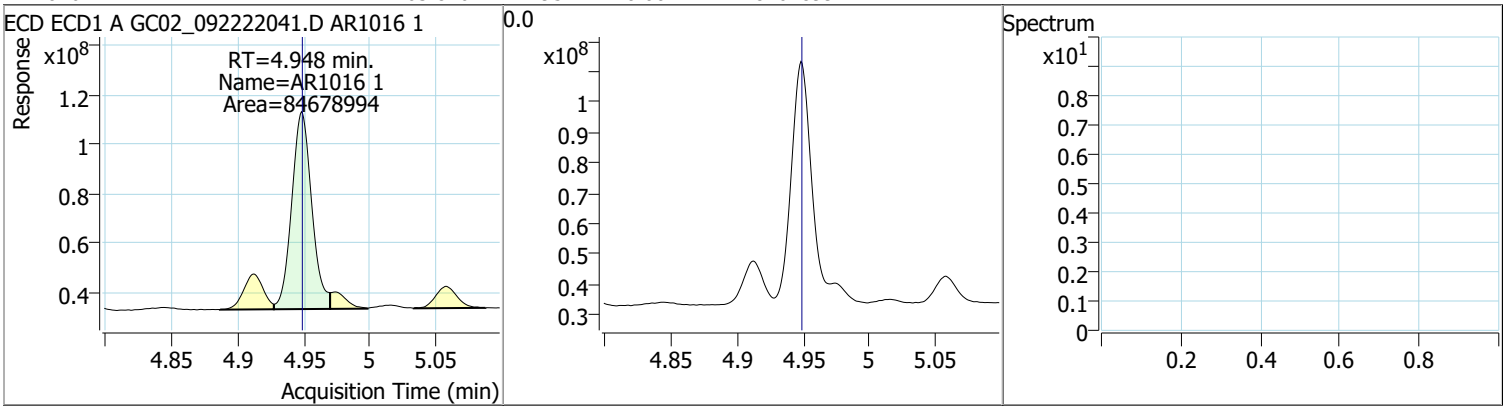
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	63.9080	4.62	0.00	627513684				



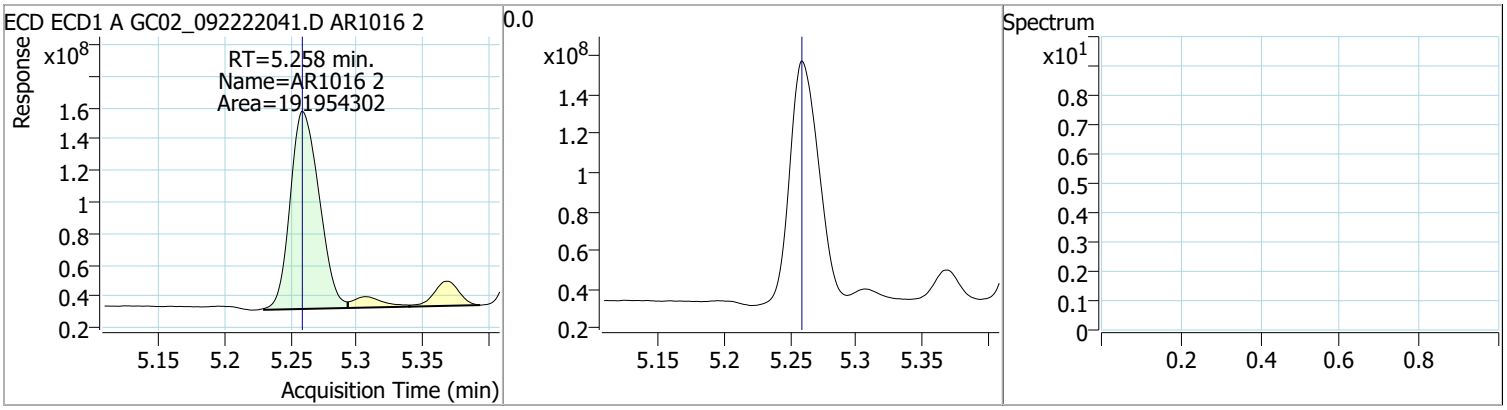
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	49.5195	4.93	0.00	17074813				



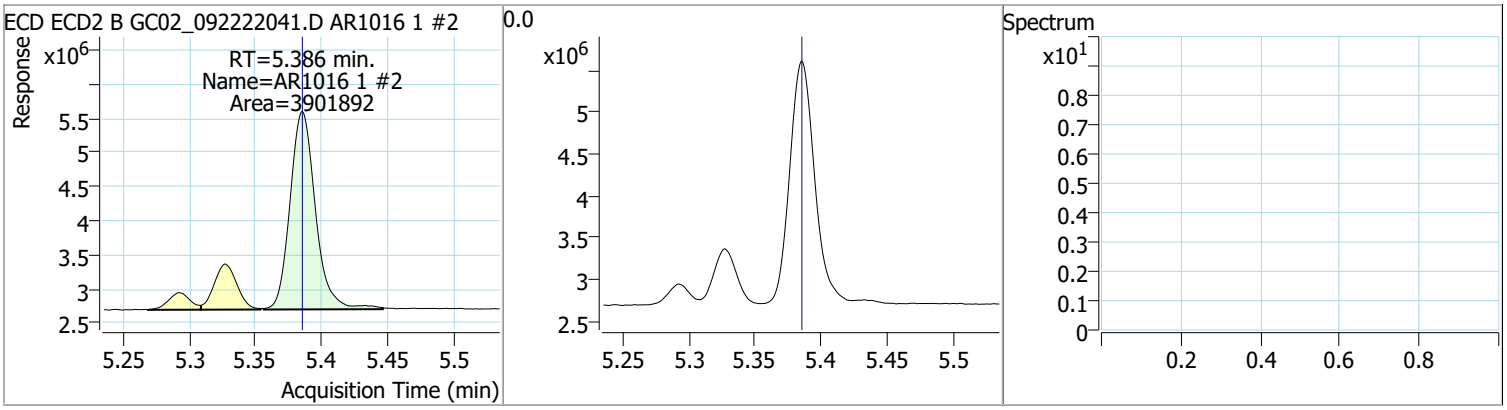
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	463.8261	4.95	0.00	84678994				



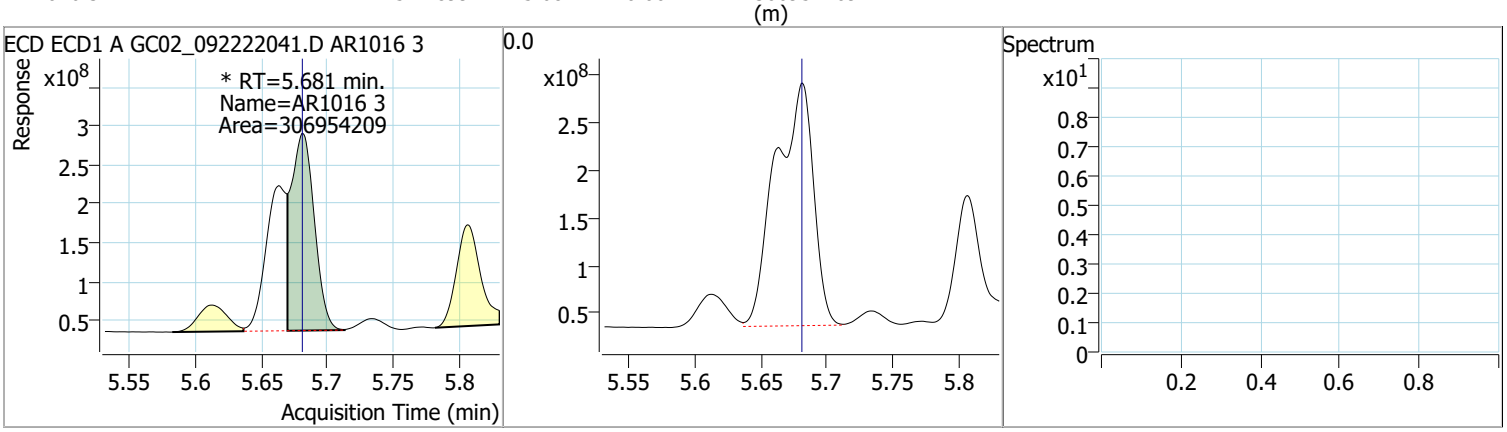
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	544.6413	5.26	0.00	191954302				



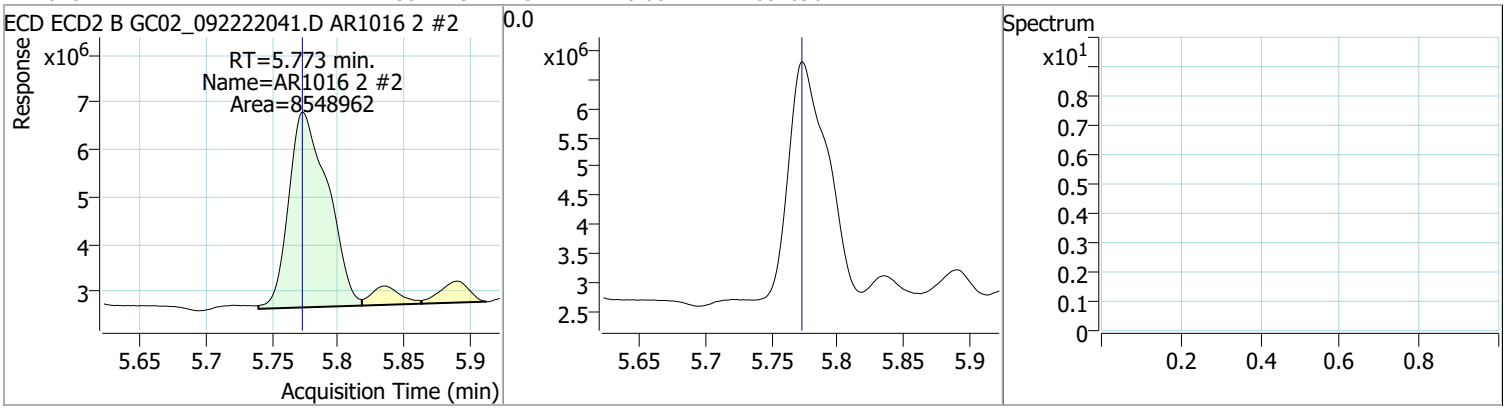
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	465.1073	5.39	0.00	3901892				



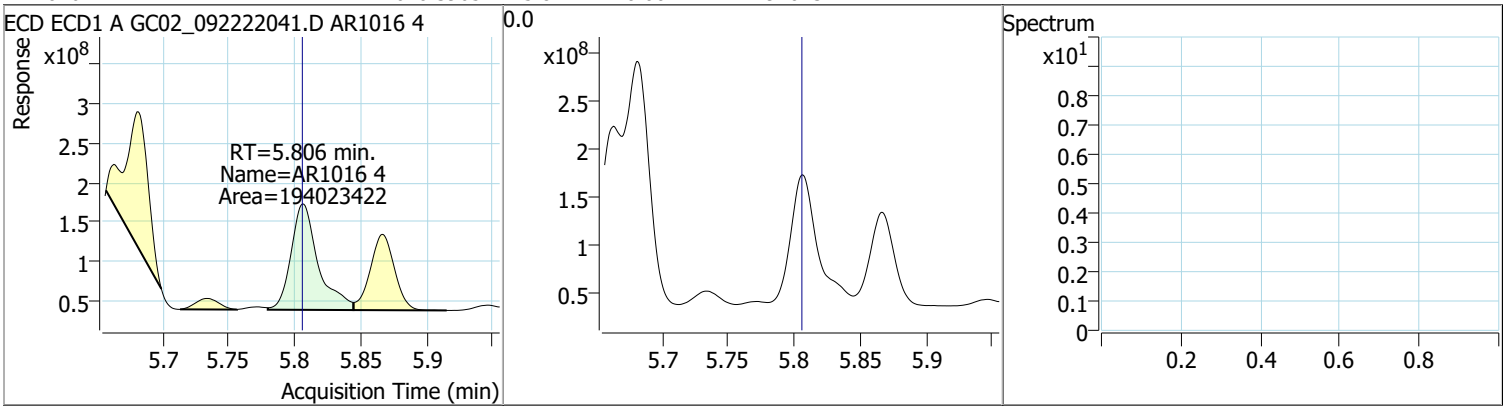
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	577.8991	5.68	0.00	306954209 (m)				



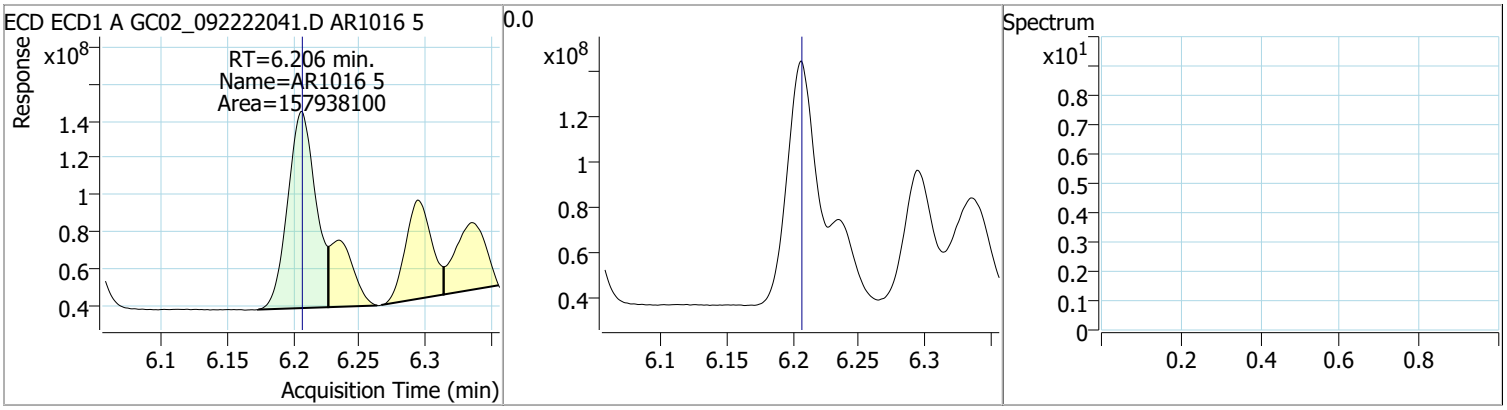
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	504.7131	5.77	0.00	8548962				



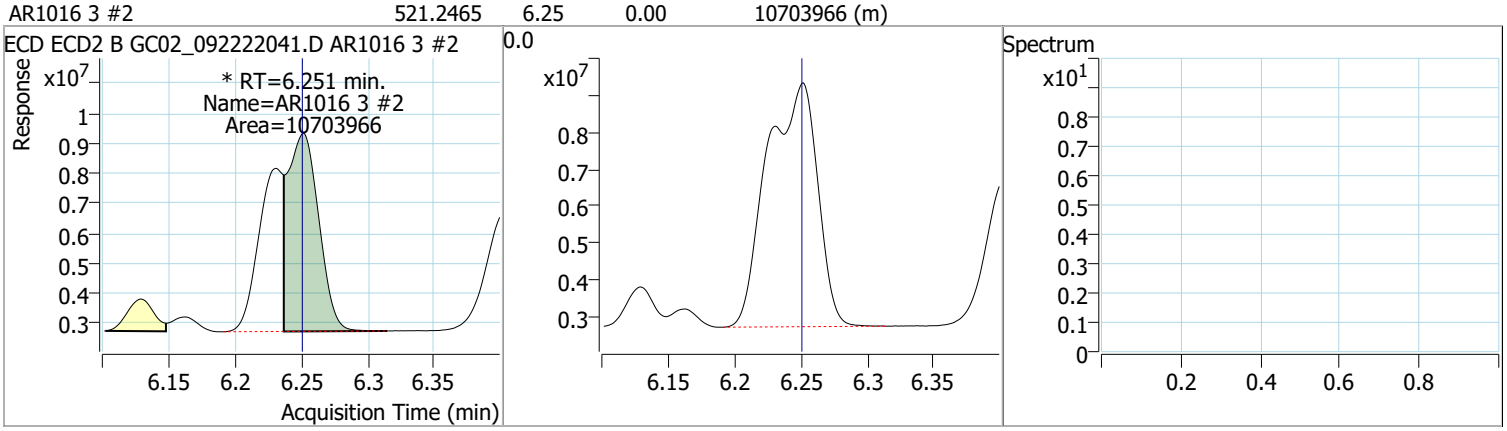
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	620.3965	5.81	0.00	194023422				



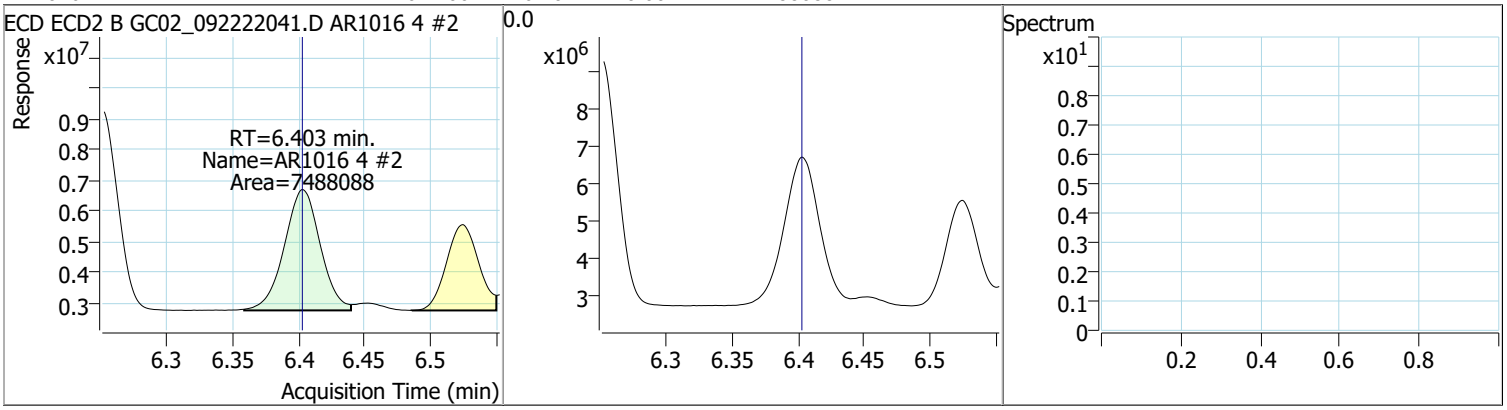
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	548.3233	6.21	0.00	157938100				



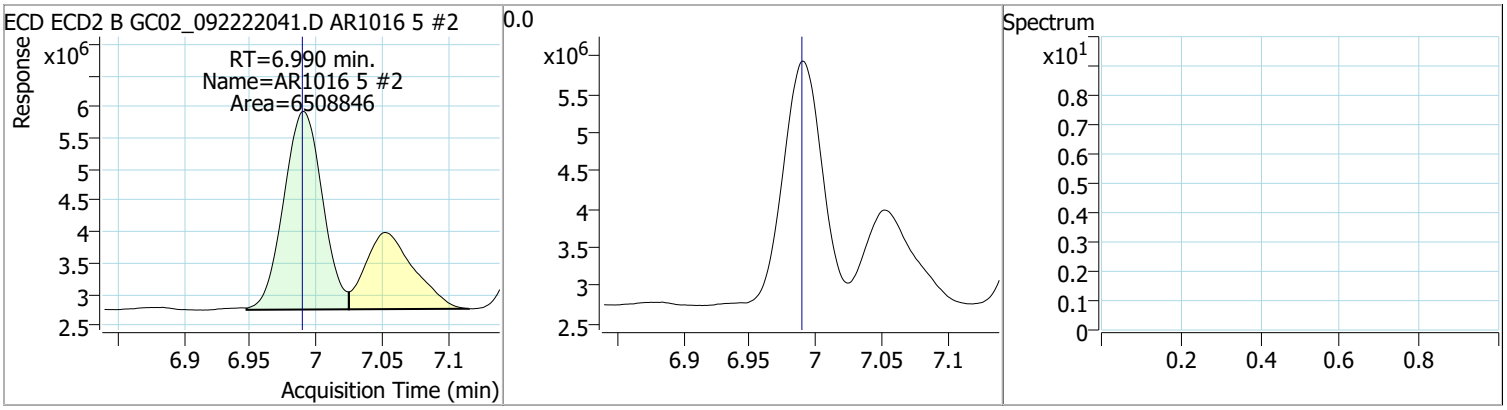
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	521.2465	6.25	0.00	10703966 (m)				



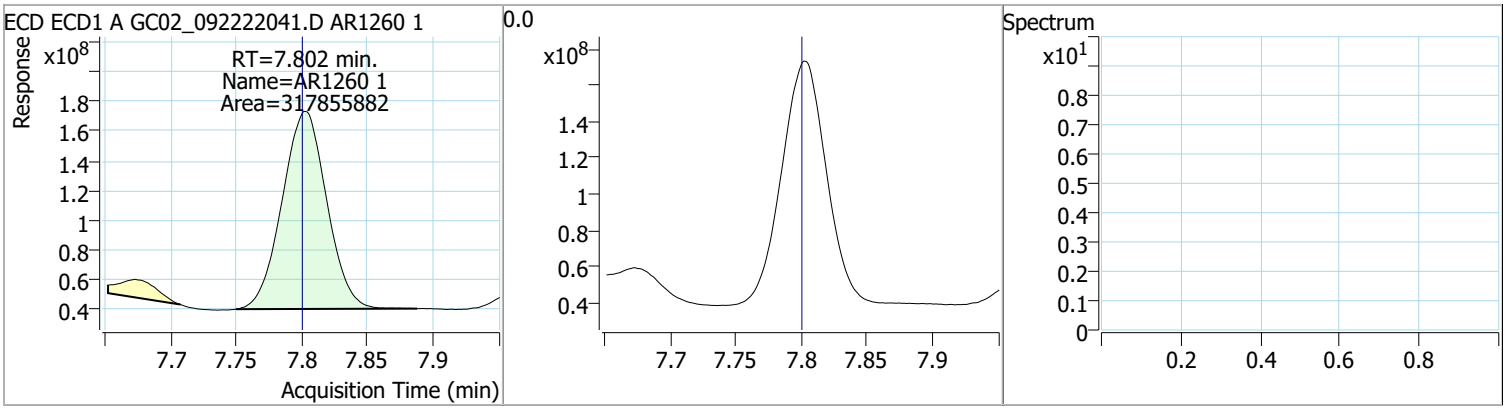
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	462.4002	6.40	0.00	7488088				



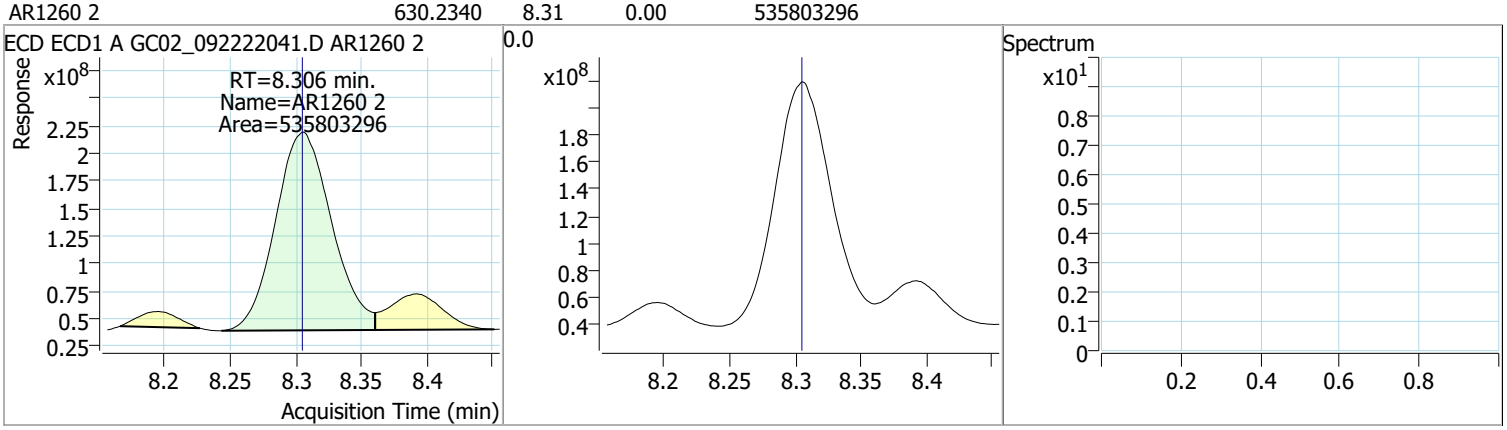
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	498.6680	6.99	0.00	6508846				



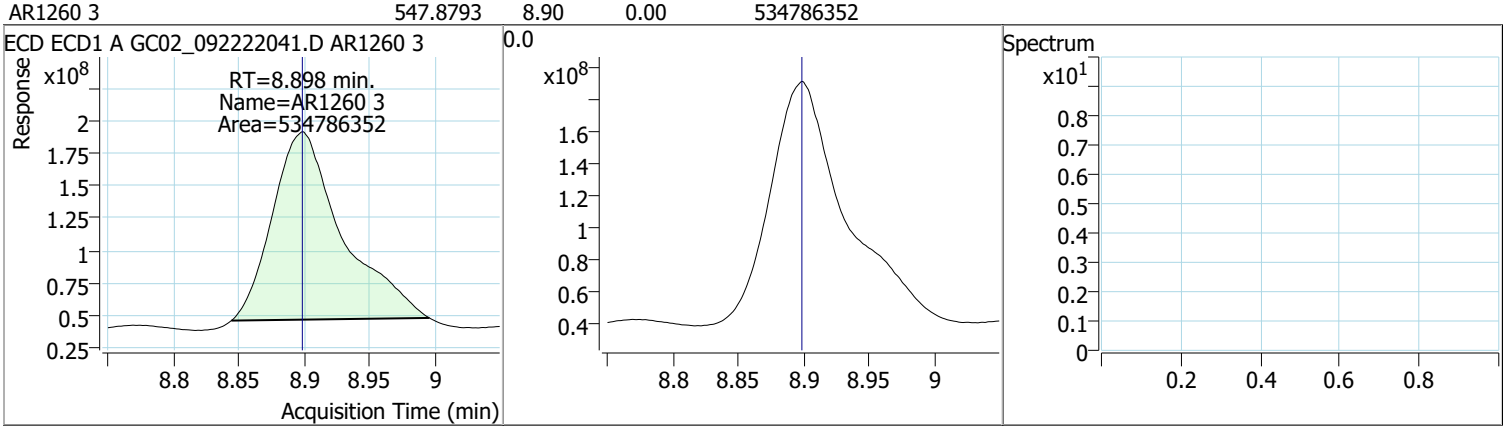
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	571.5032	7.80	0.00	317855882				



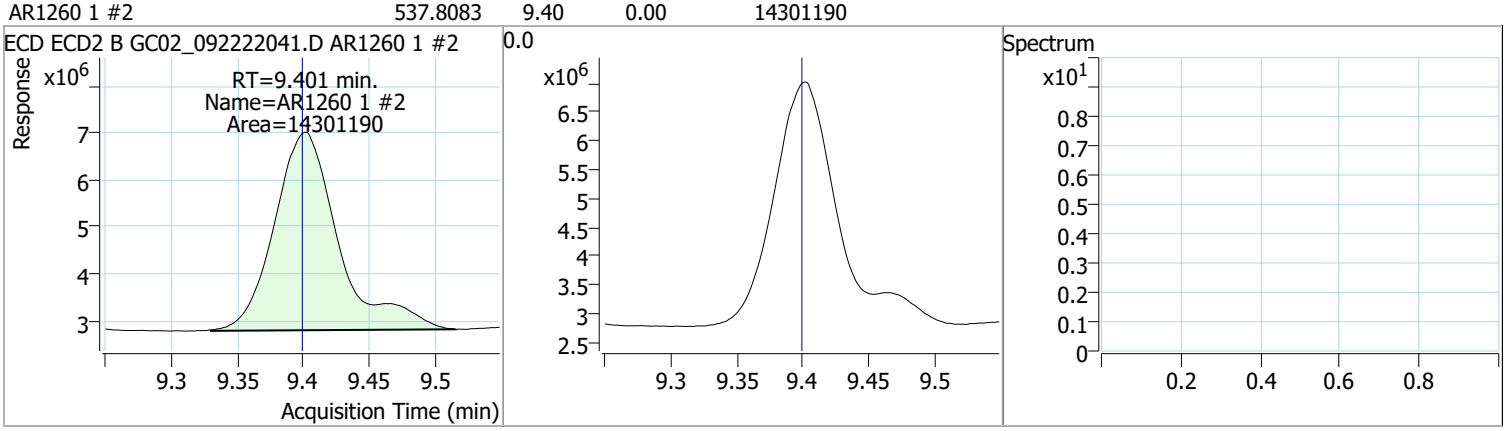
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	630.2340	8.31	0.00	535803296				



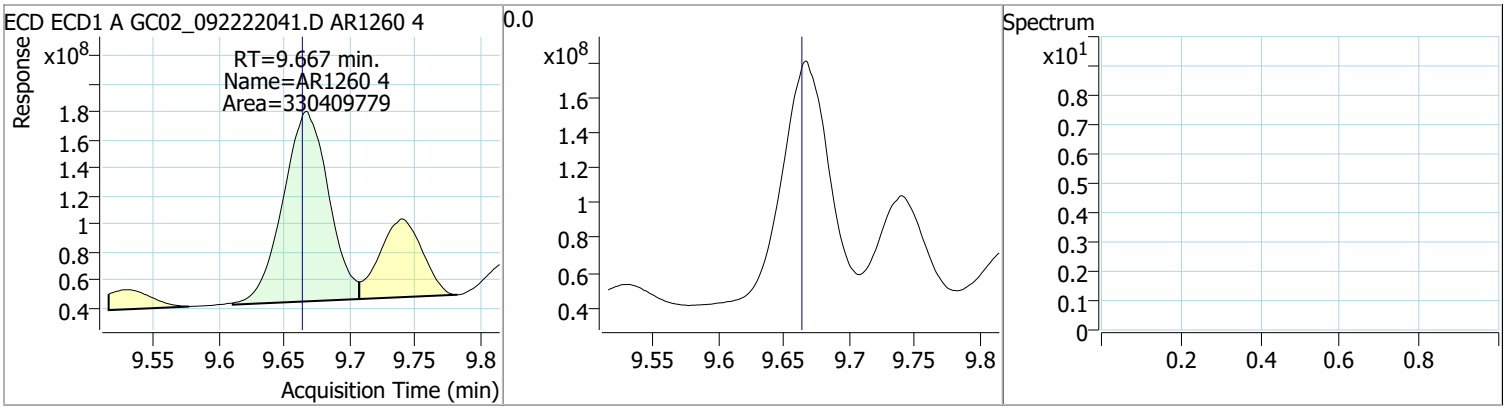
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	547.8793	8.90	0.00	534786352				



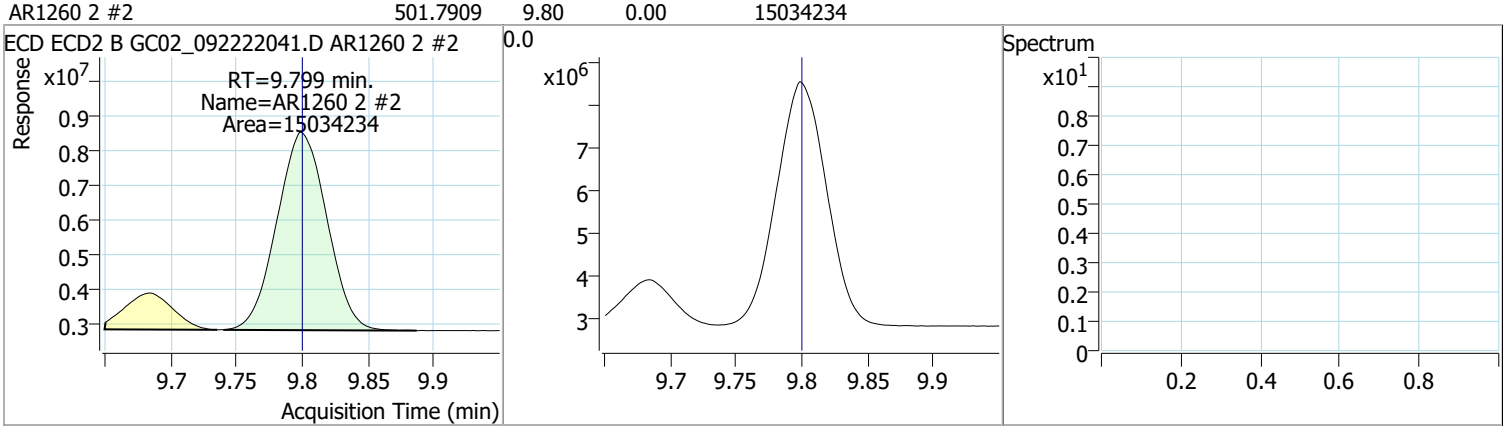
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	537.8083	9.40	0.00	14301190				



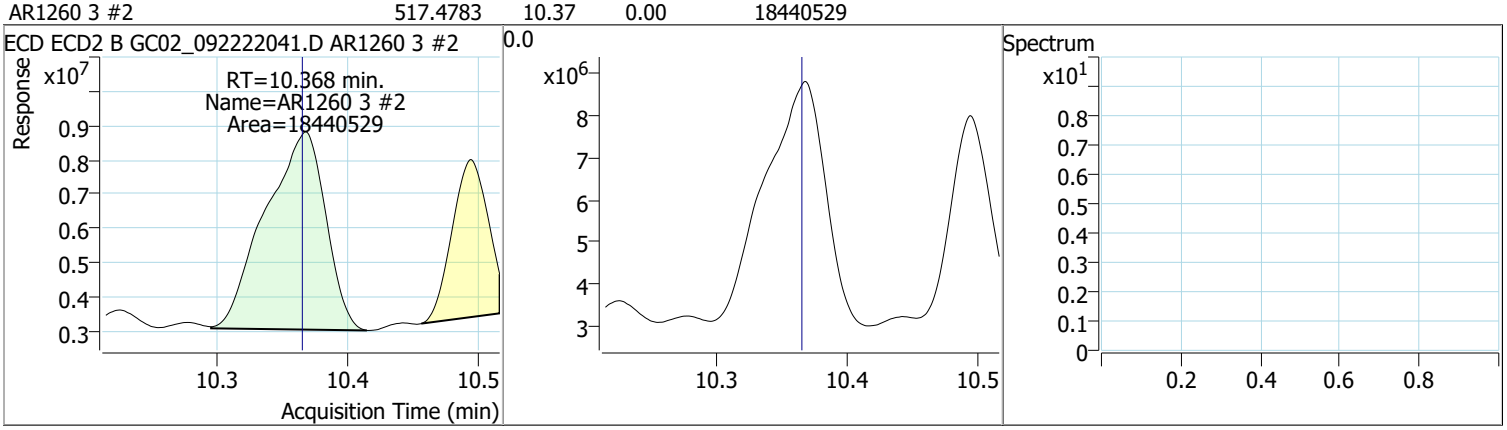
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	577.5386	9.67	0.00	330409779				



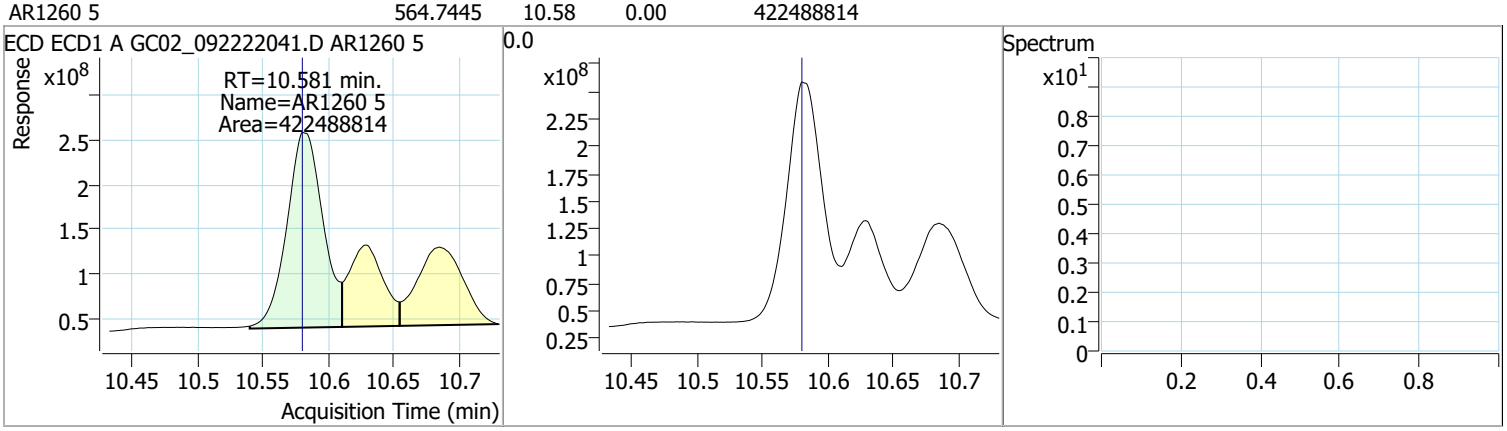
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	501.7909	9.80	0.00	15034234				



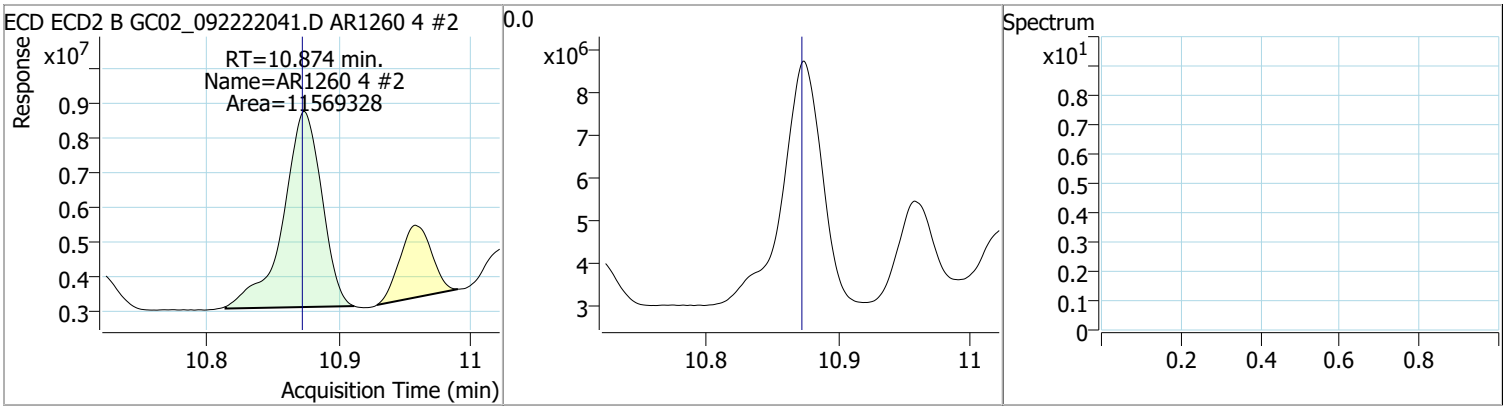
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	517.4783	10.37	0.00	18440529				



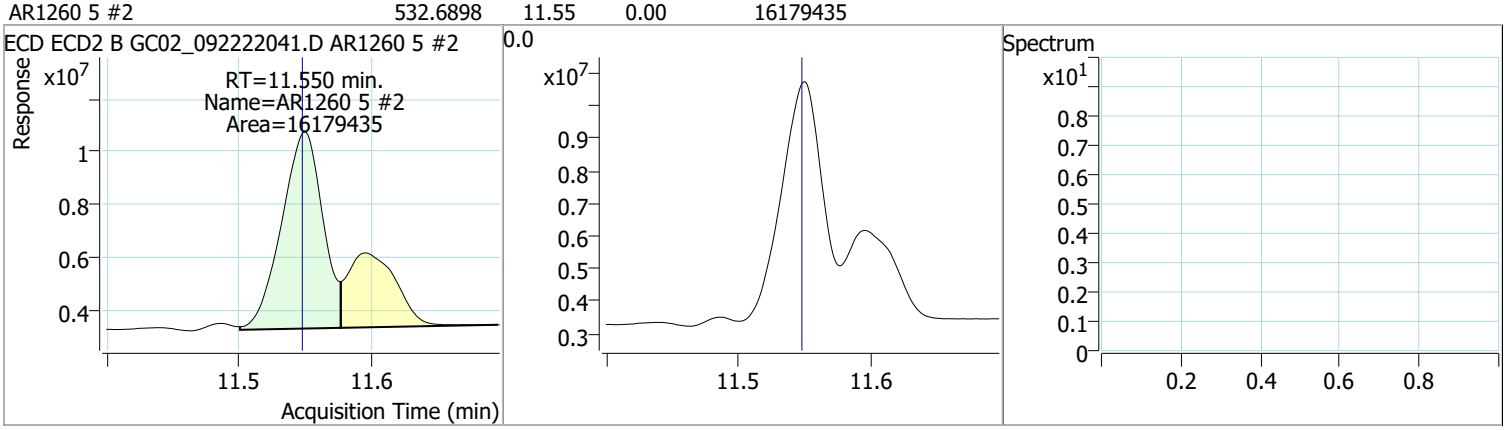
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	564.7445	10.58	0.00	422488814				



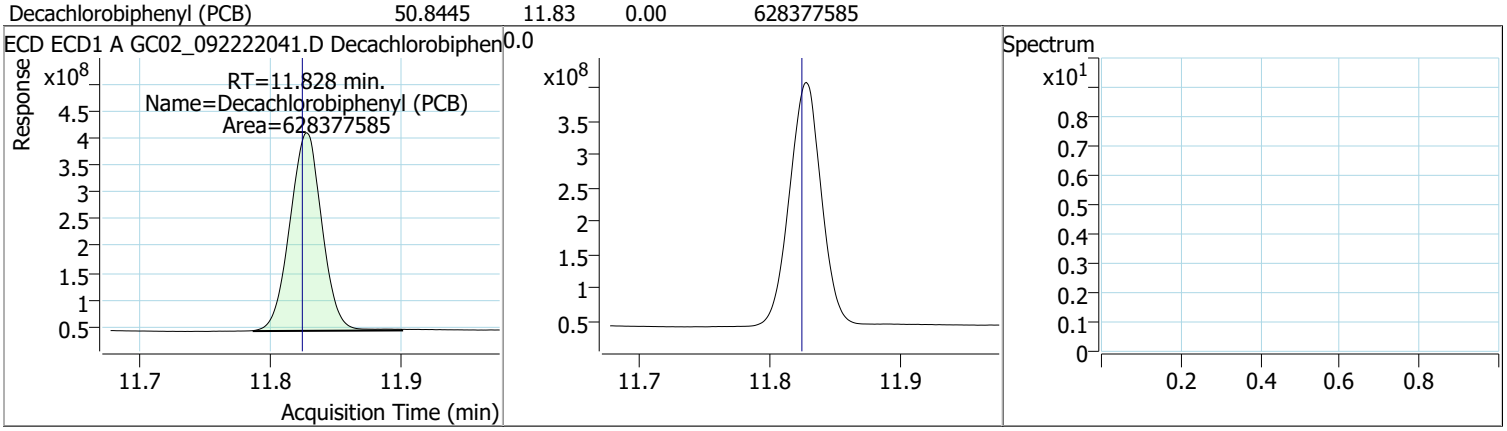
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	563.6533	10.87	0.00	11569328				



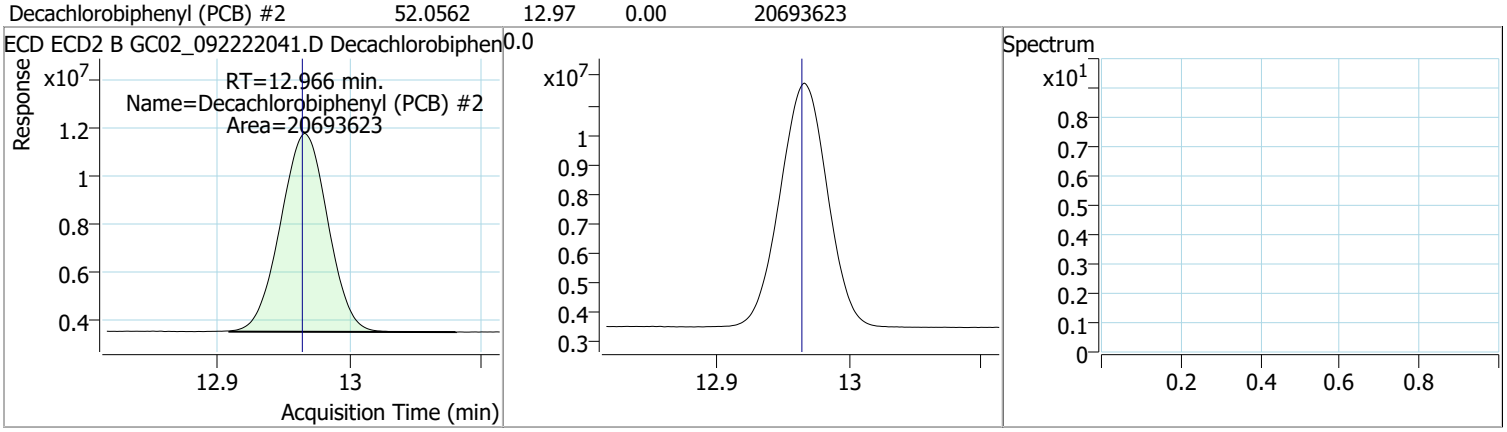
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	532.6898	11.55	0.00	16179435				



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

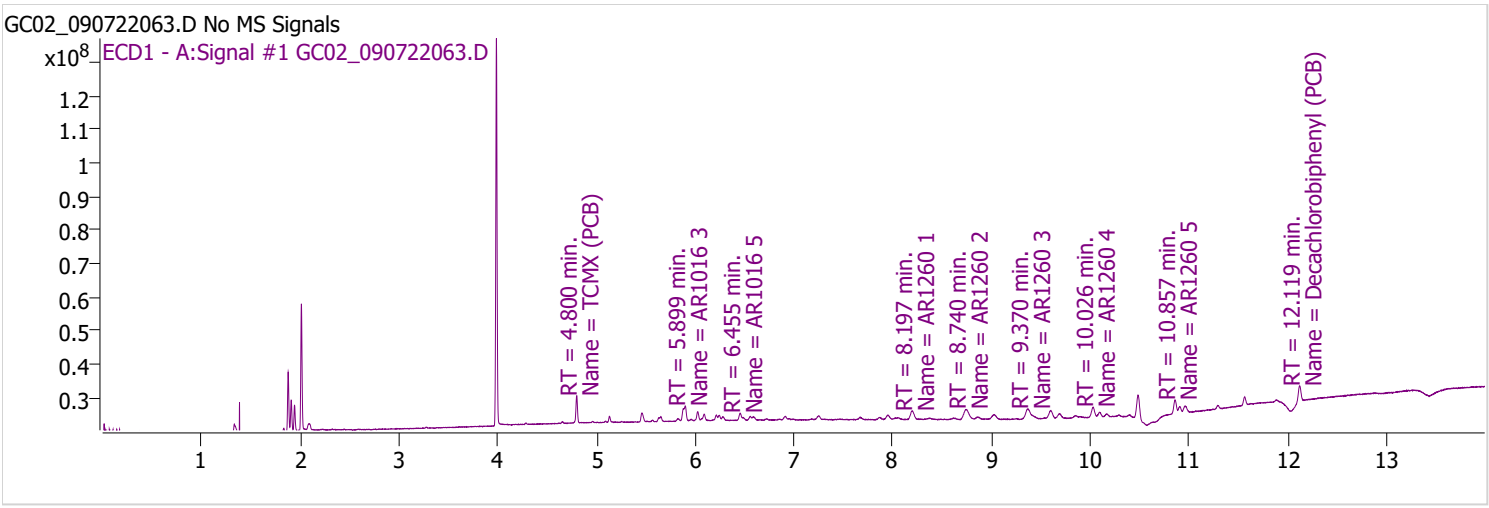
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	481.1	ug/L	-4	15	
Aroclor-1260	A	500.0	553.6	ug/L	11	15	
Aroclor-1016	B	500.0	479.3	ug/L	-4	15	
Aroclor-1260	B	500.0	536.9	ug/L	7	15	

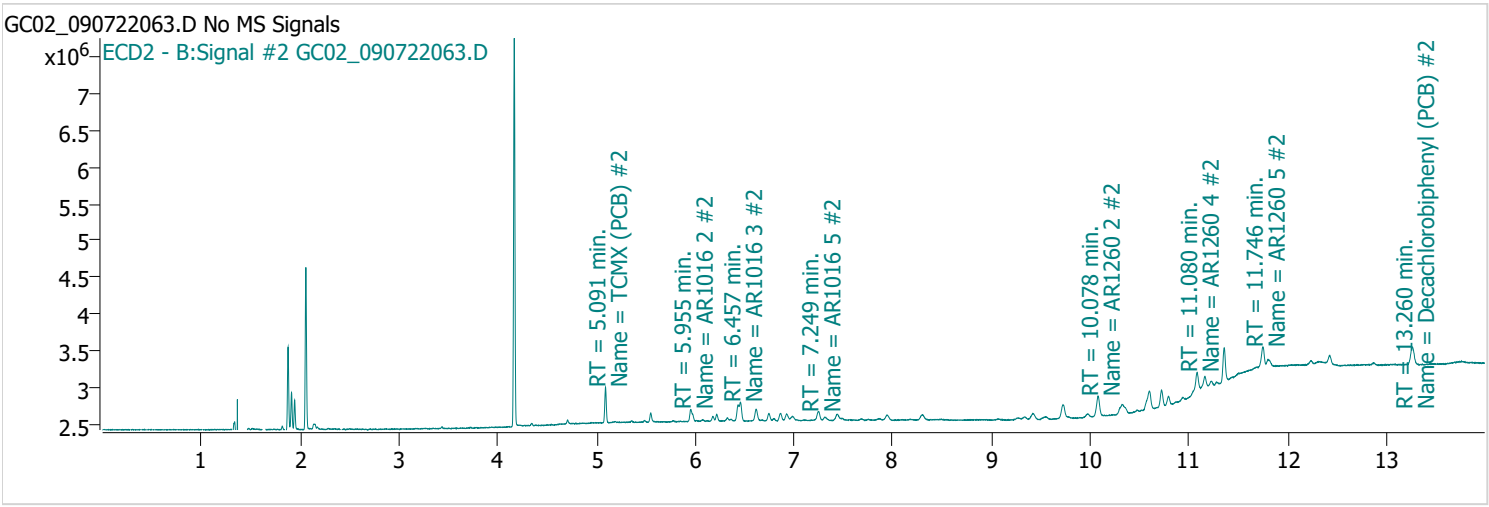
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Analyst: TRN 09/08/22 **Reviewer:** LW 09/08/22

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			



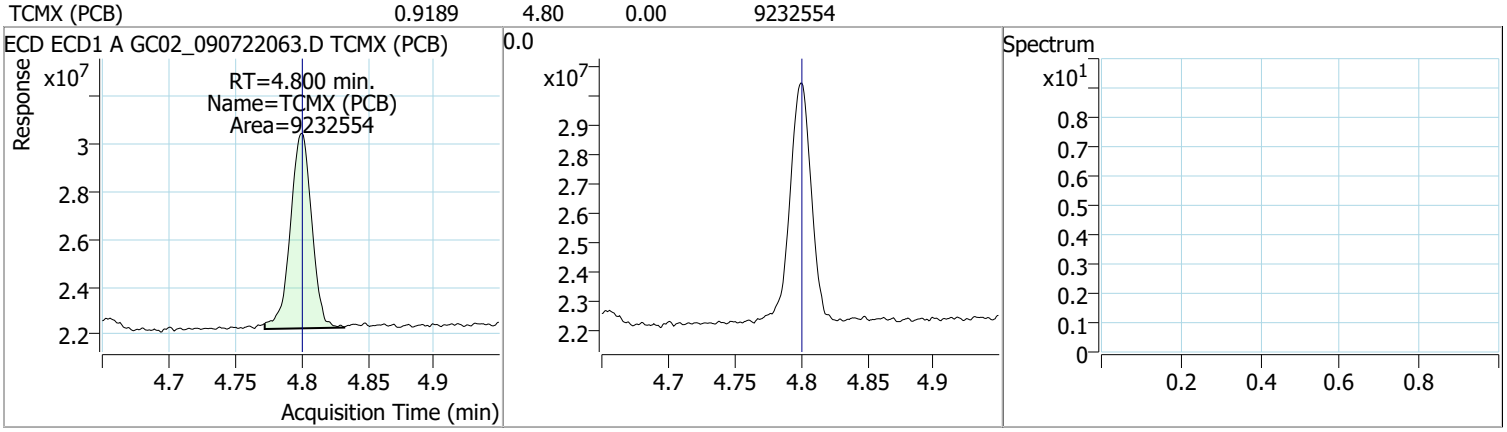


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	106200758.091	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.168	0.0	4981500.298	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.800	0.0	9232553.805	0.9189	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

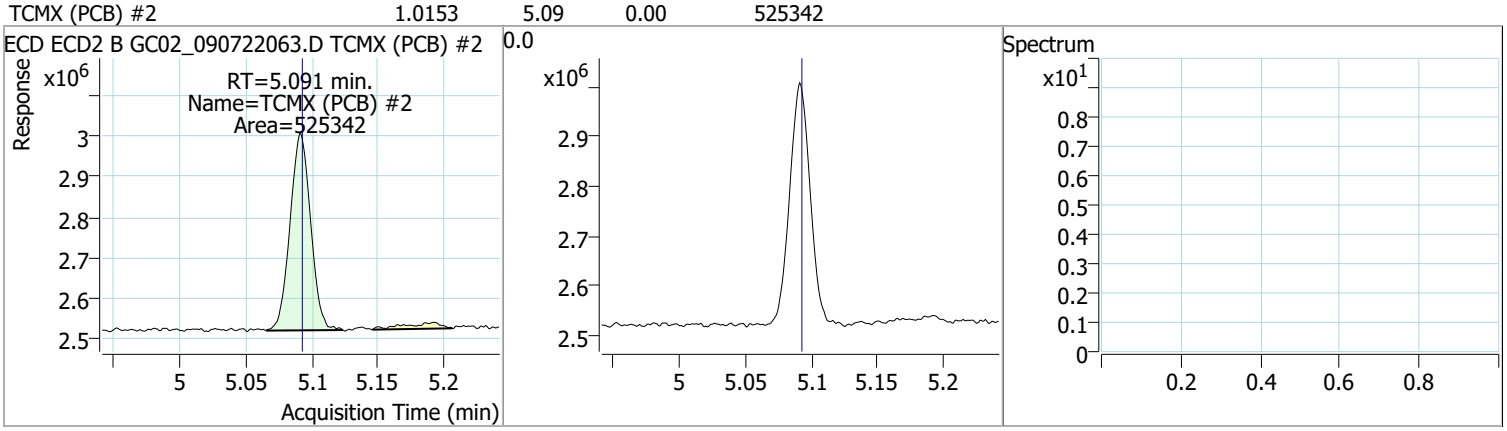
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.460	0.0	4530232.018	25.1242	ng/ml		100
T AR1016 1 #2	5.550	0.0	178429.723	28.3472	ng/ml		100
T AR1016 3	5.899	0.0	6263423.161	23.0488	ng/ml	m	100
T AR1016 2 #2	5.955	0.0	338843.773	26.6621	ng/ml		100
T AR1016 4	6.024	0.0	4024297.710	25.1515	ng/ml		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

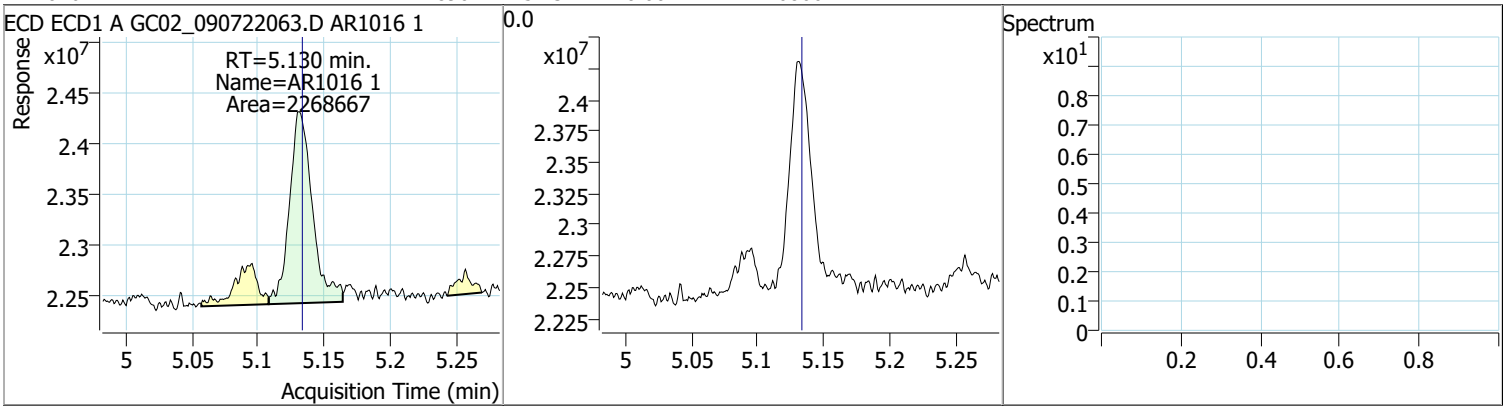
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.9189	4.80	0.00	9232554				



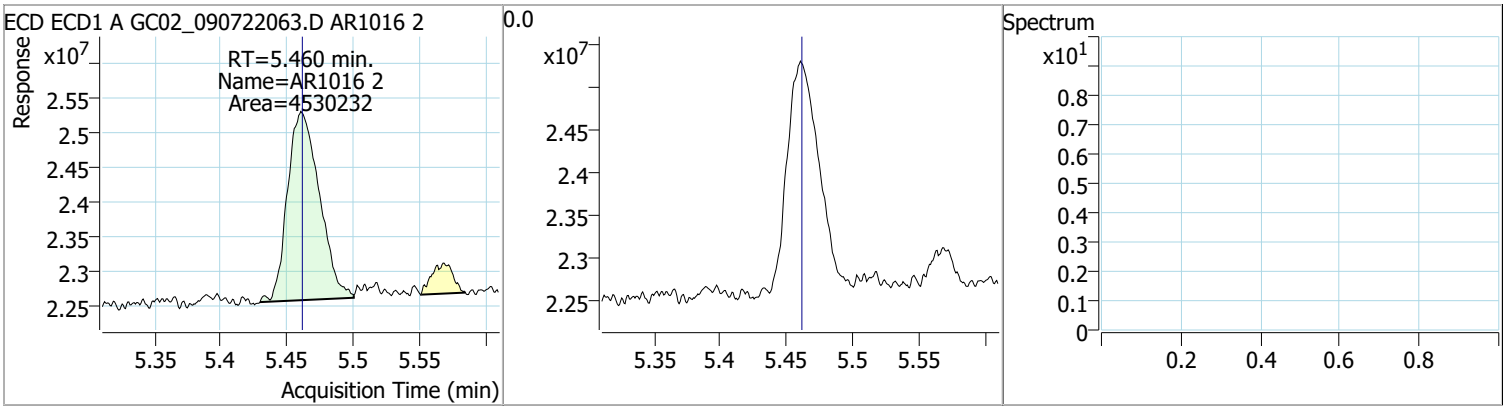
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.0153	5.09	0.00	525342				



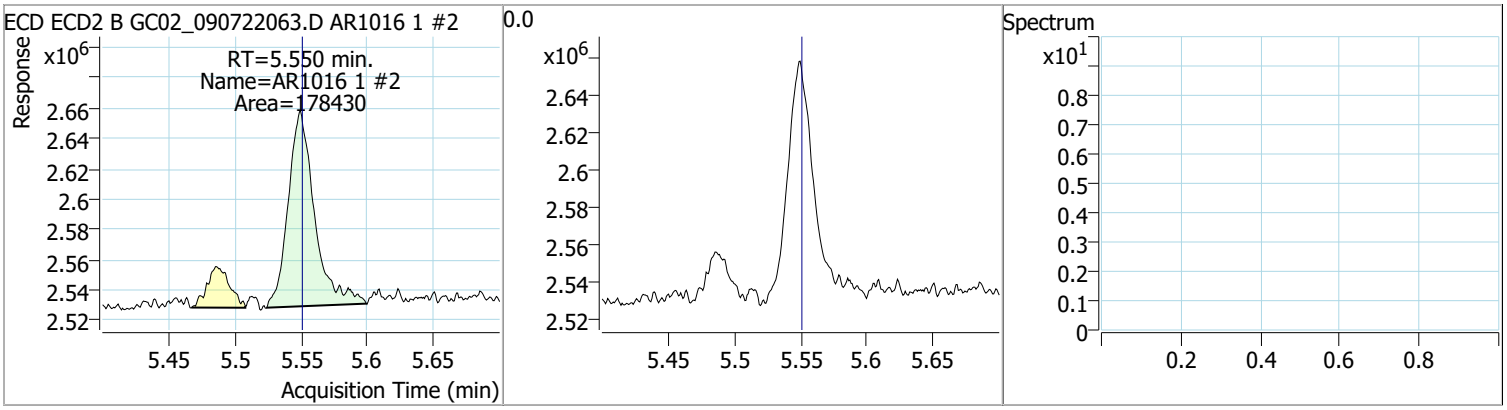
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.2890	5.13	0.00	2268667				



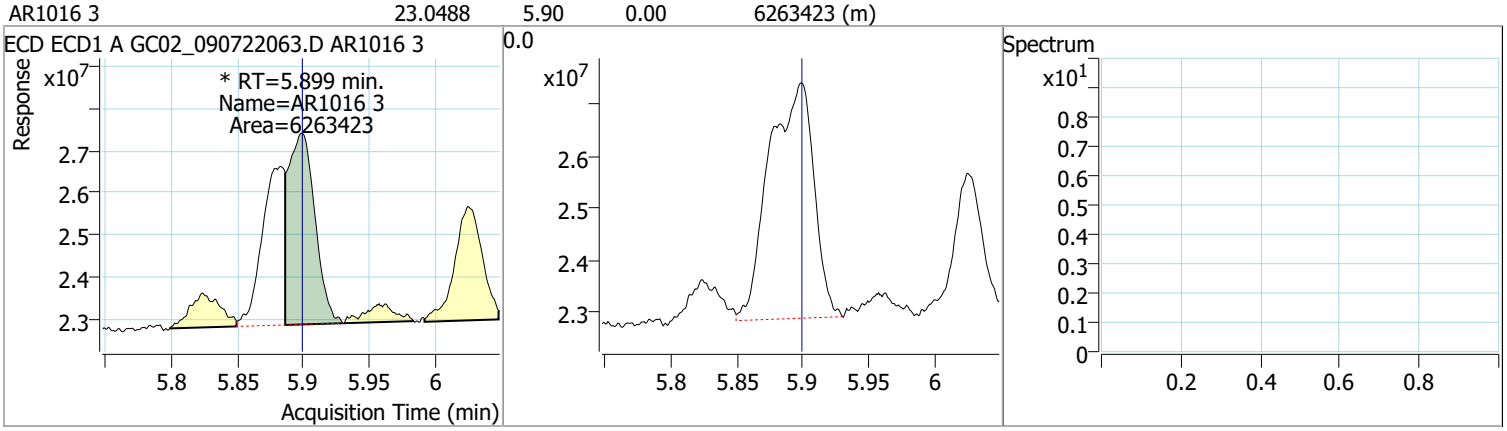
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.1242	5.46	0.00	4530232				



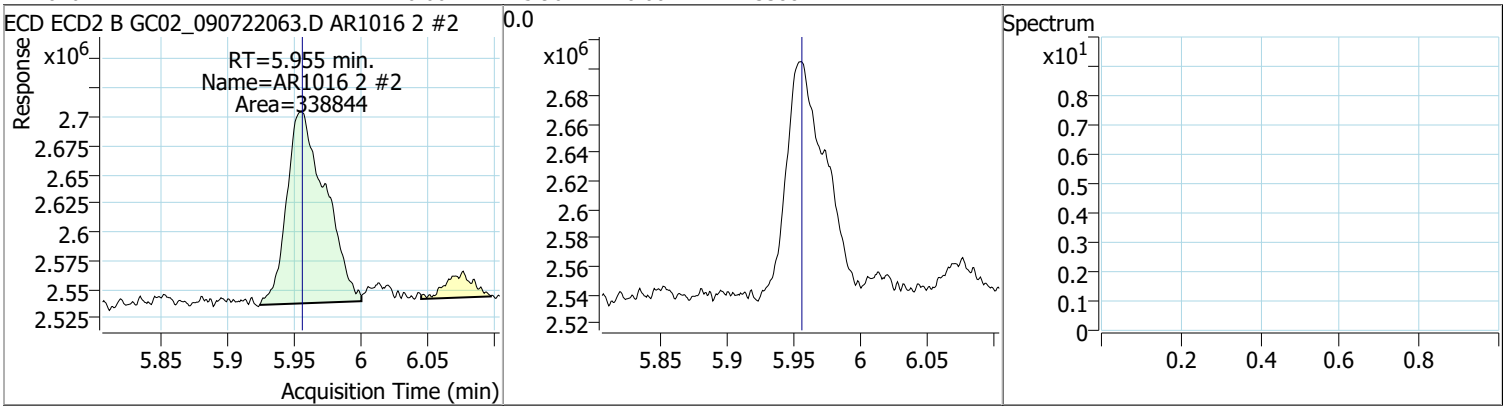
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	28.3472	5.55	0.00	178430				



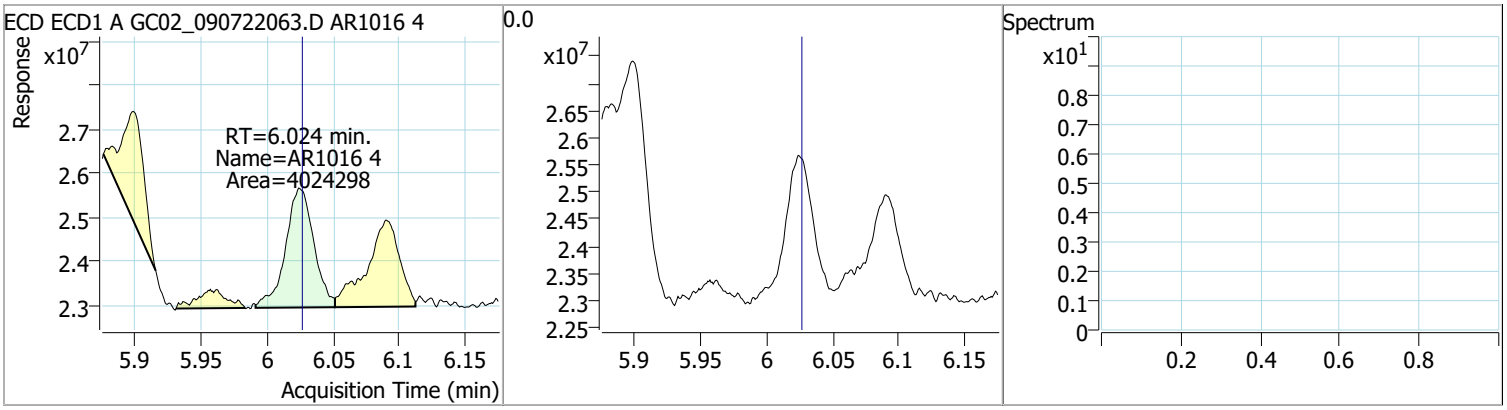
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	23.0488	5.90	0.00	6263423 (m)				



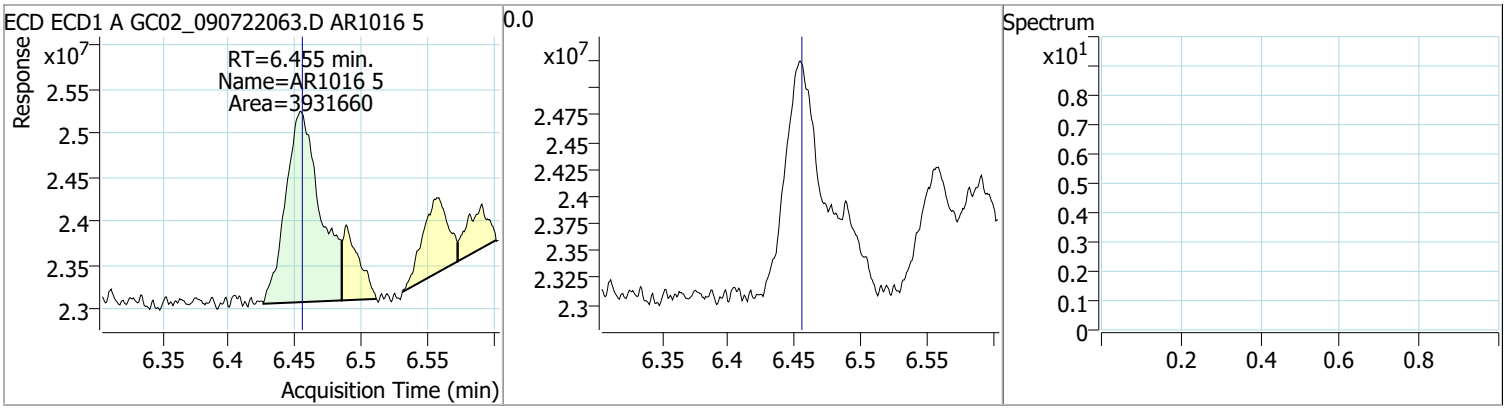
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	26.6621	5.96	0.00	338844				



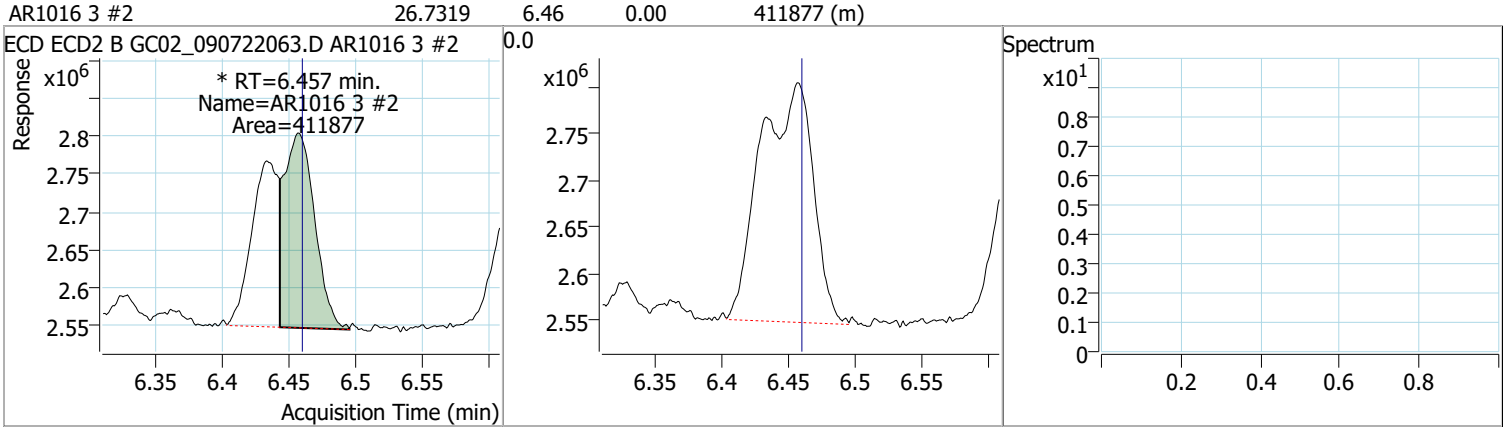
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	25.1515	6.02	0.00	4024298				



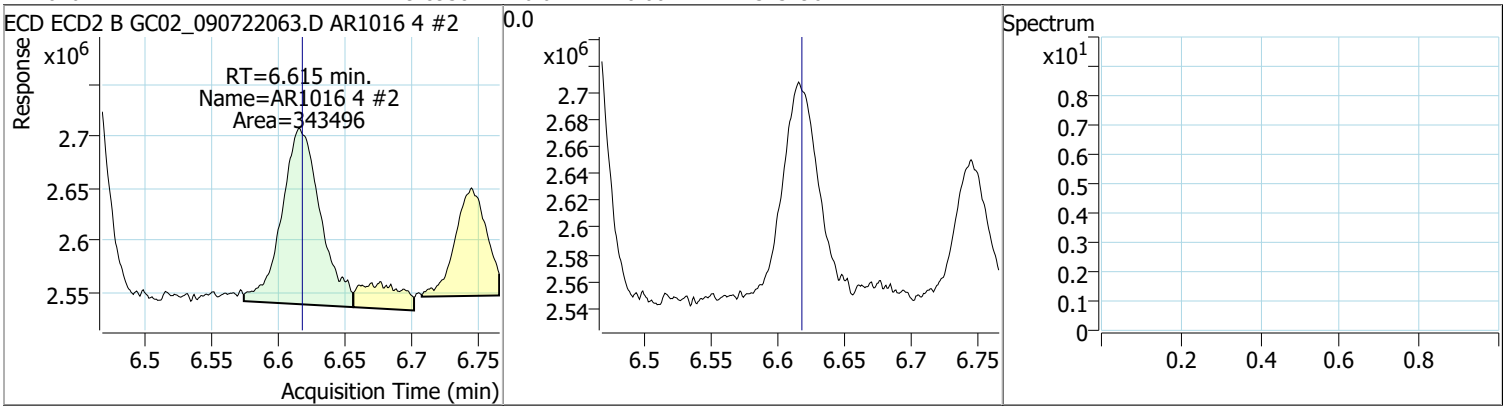
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	26.6799	6.45	0.00	3931660				



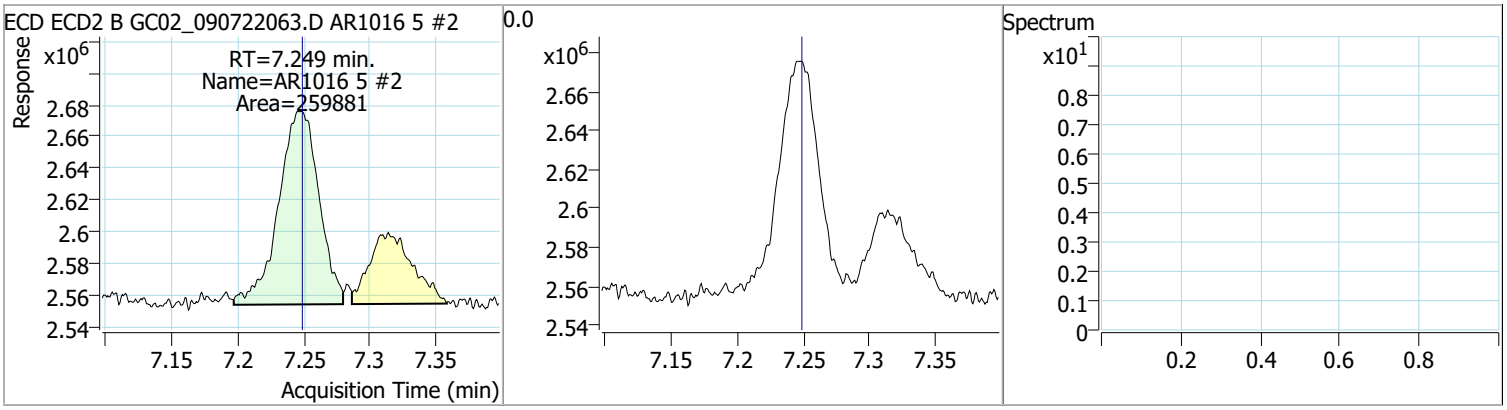
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	26.7319	6.46	0.00	411877 (m)				



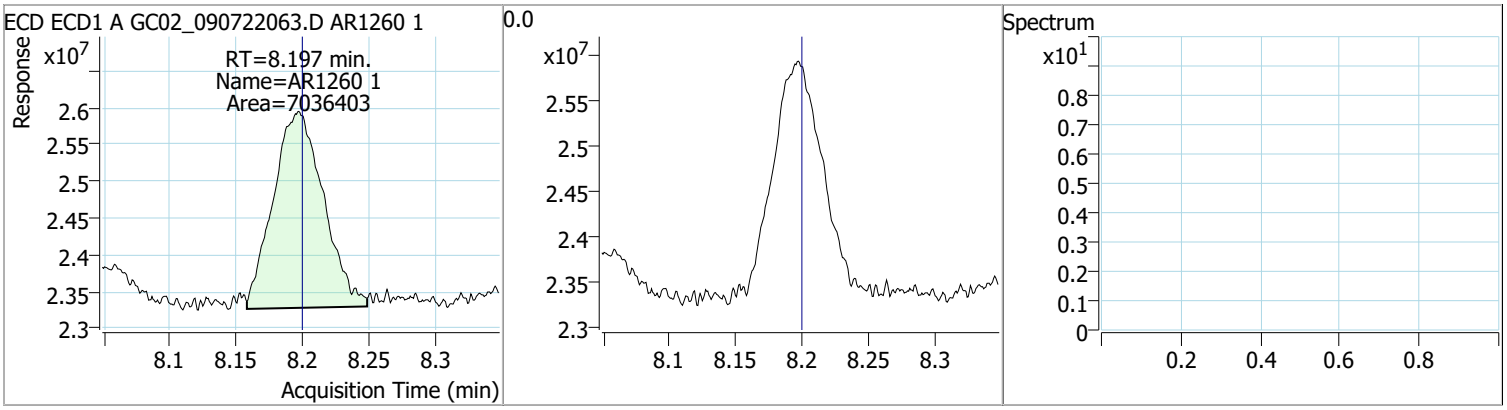
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	29.8938	6.62	0.00	343496				



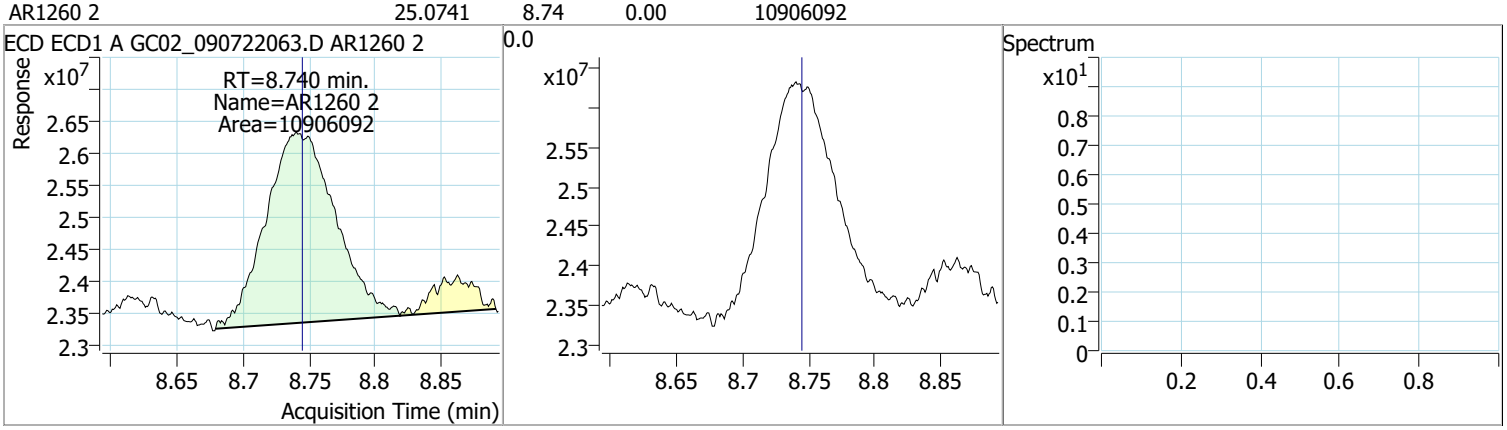
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	26.5366	7.25	0.00	259881				



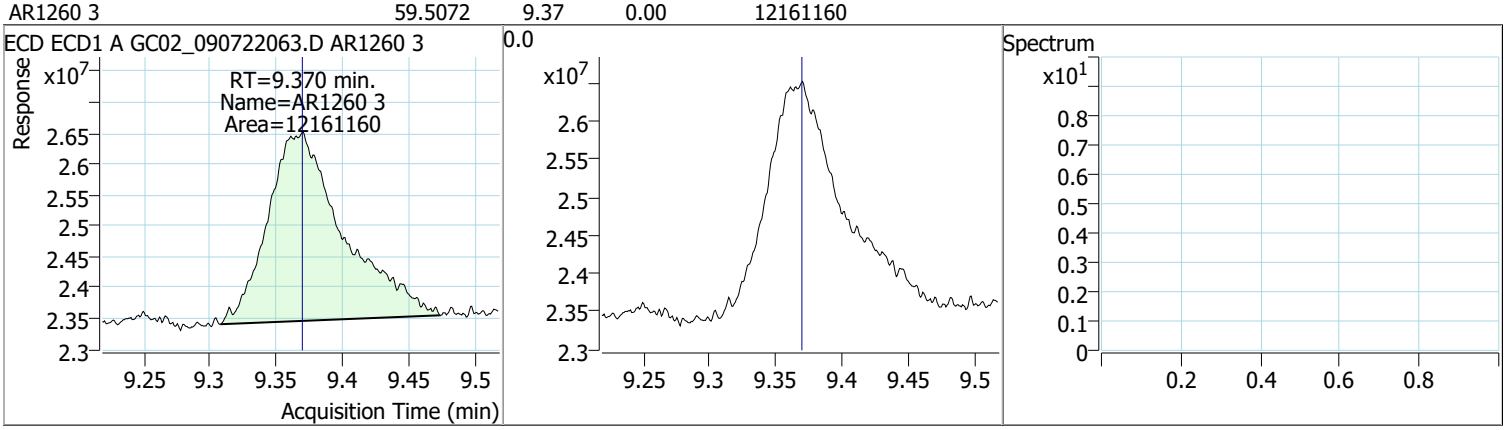
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	24.7285	8.20	0.00	7036403				



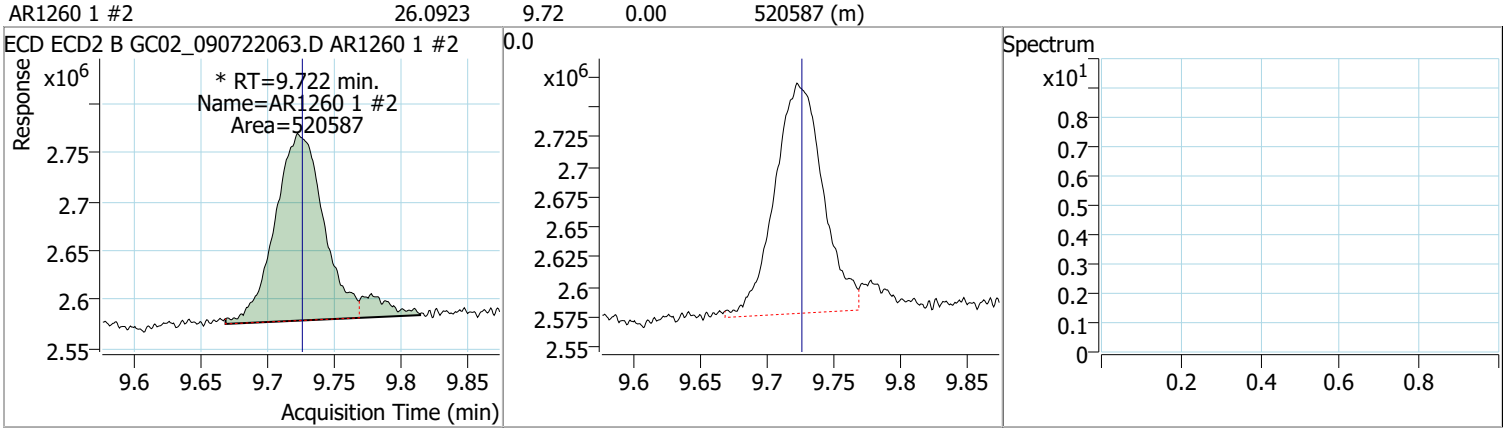
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	25.0741	8.74	0.00	10906092				



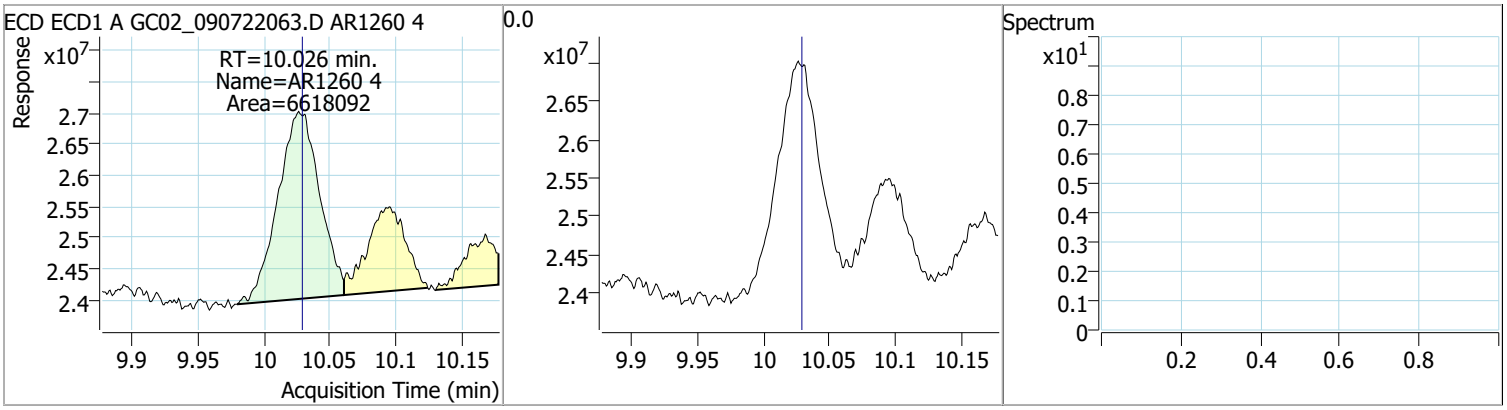
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	59.5072	9.37	0.00	12161160				



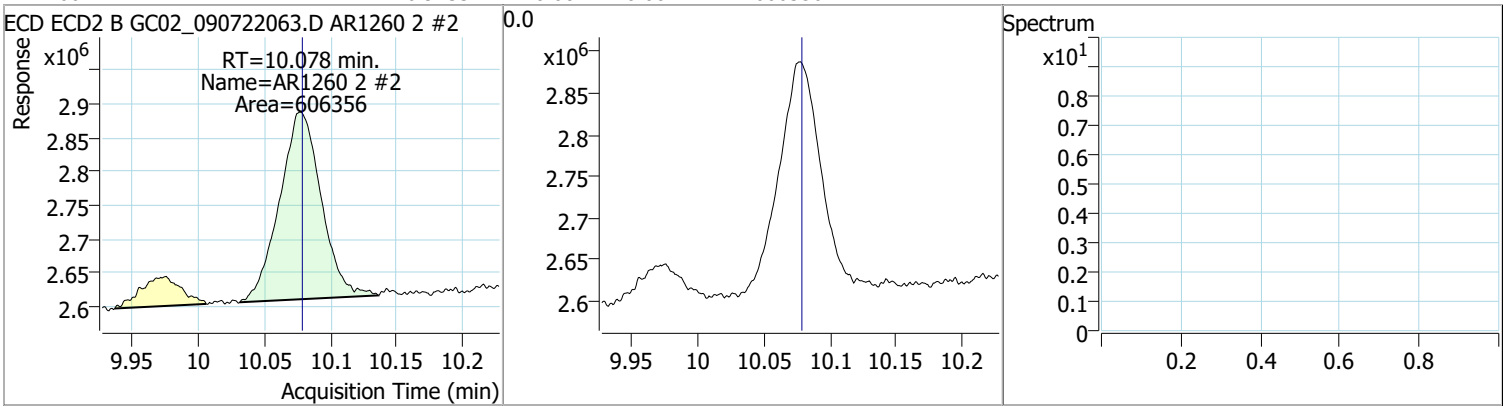
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	26.0923	9.72	0.00	520587 (m)				



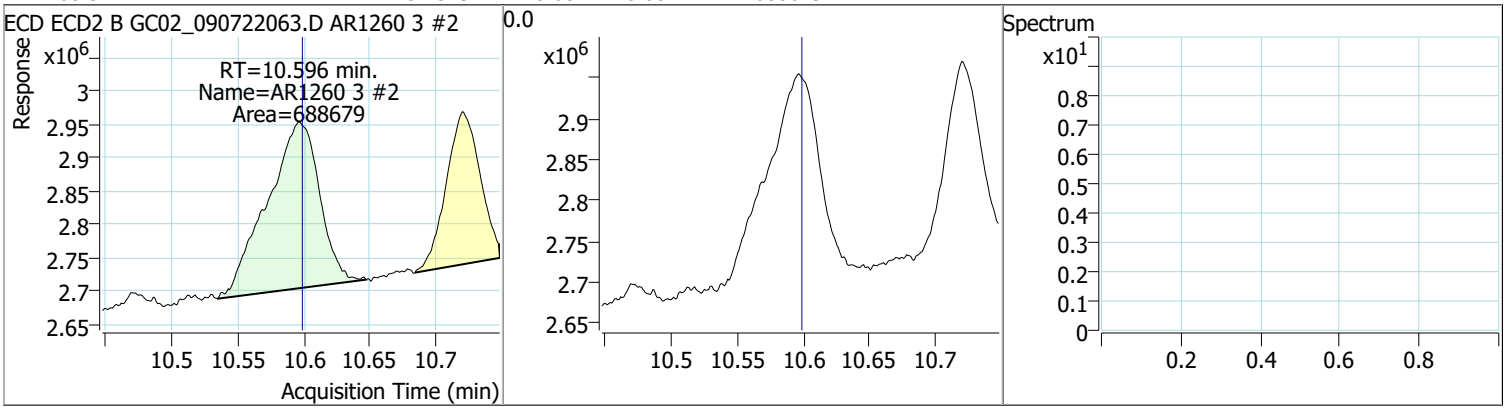
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	22.6110	10.03	0.00	6618092				



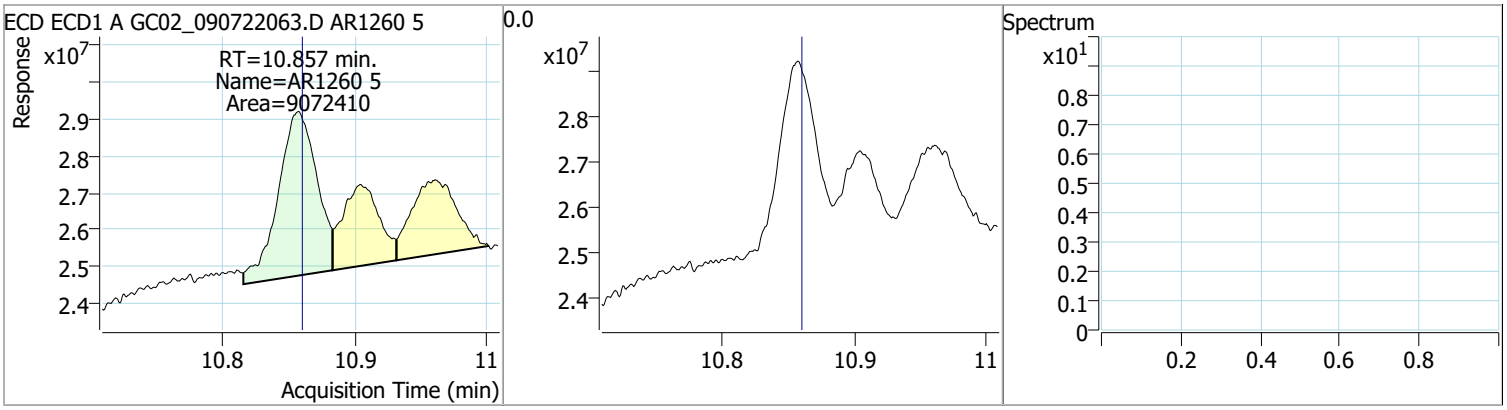
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	26.9733	10.08	0.00	606356				



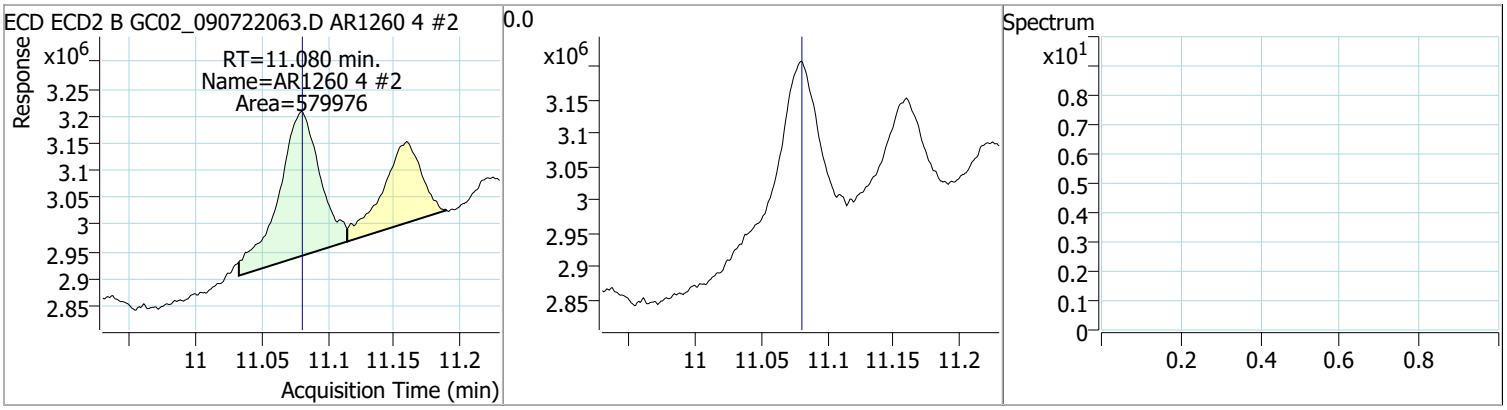
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	25.7573	10.60	0.00	688679				



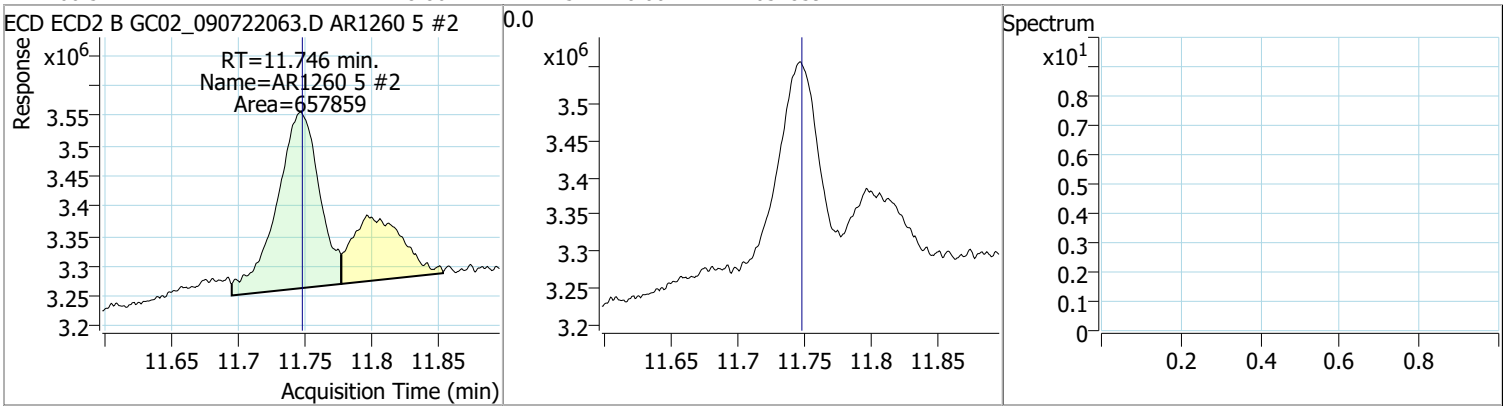
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.7038	10.86	0.00	9072410				



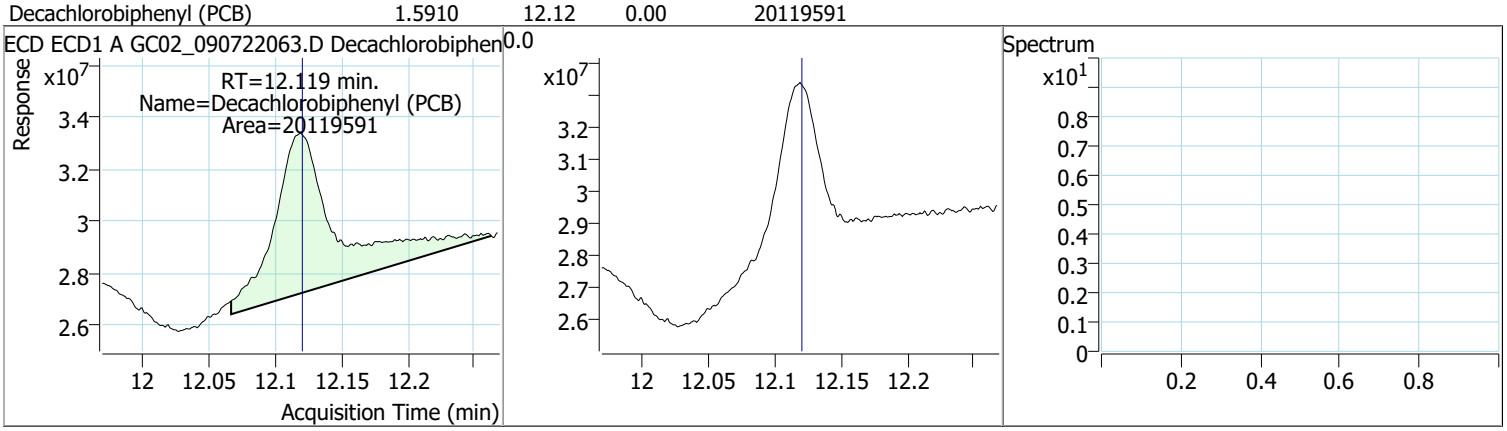
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	37.6598	11.08	0.00	579976				



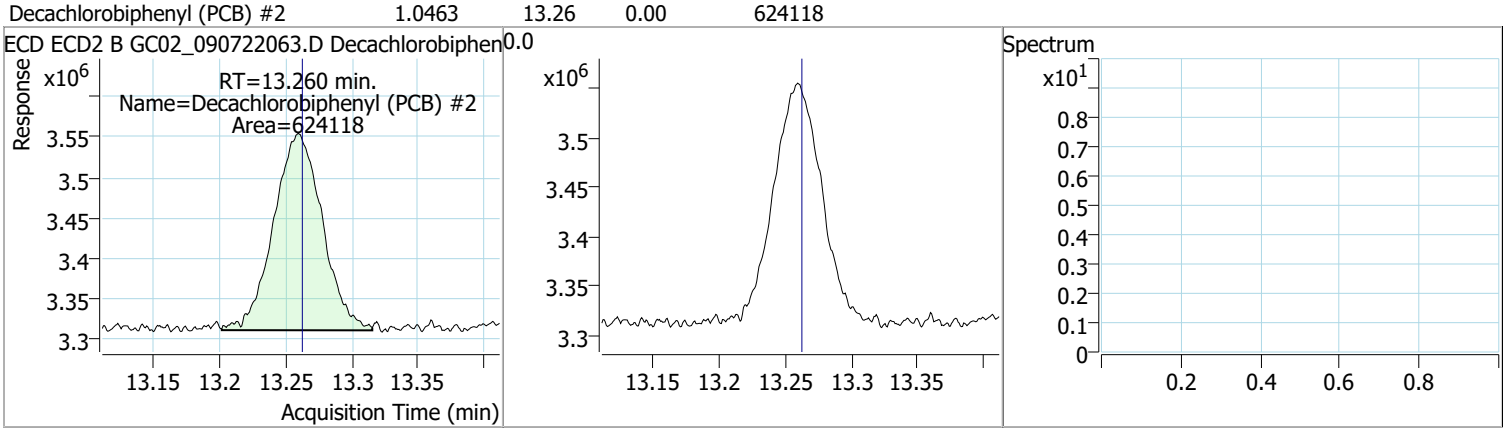
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	28.8674	11.75	0.00	657859				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.5910	12.12	0.00	20119591				

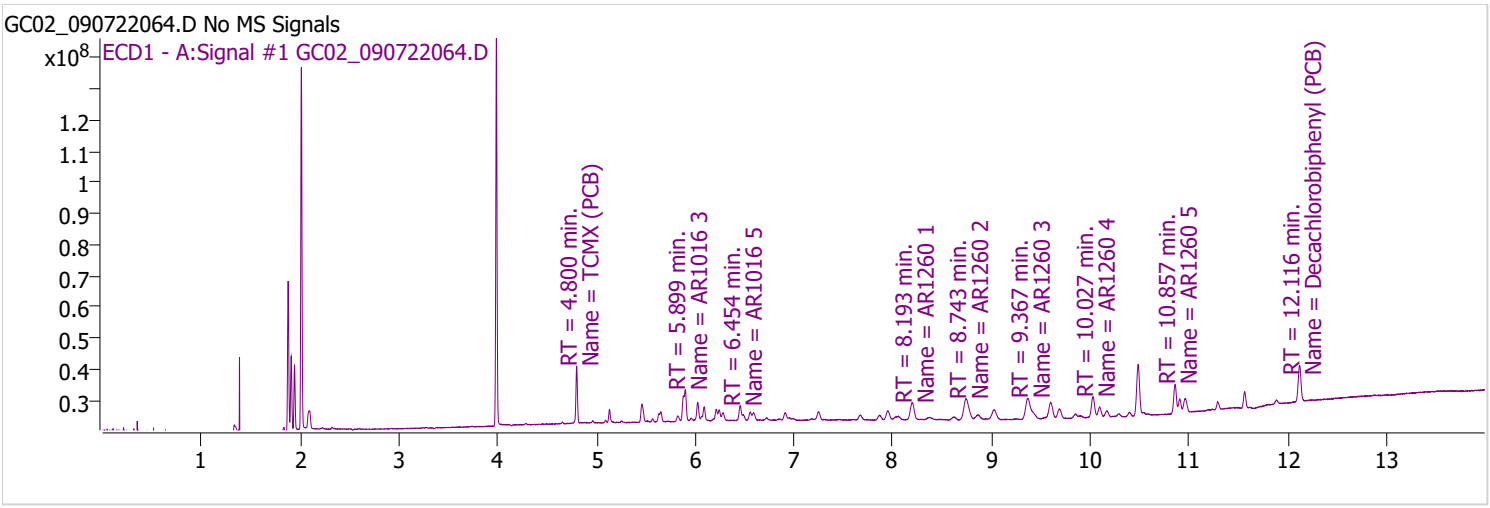


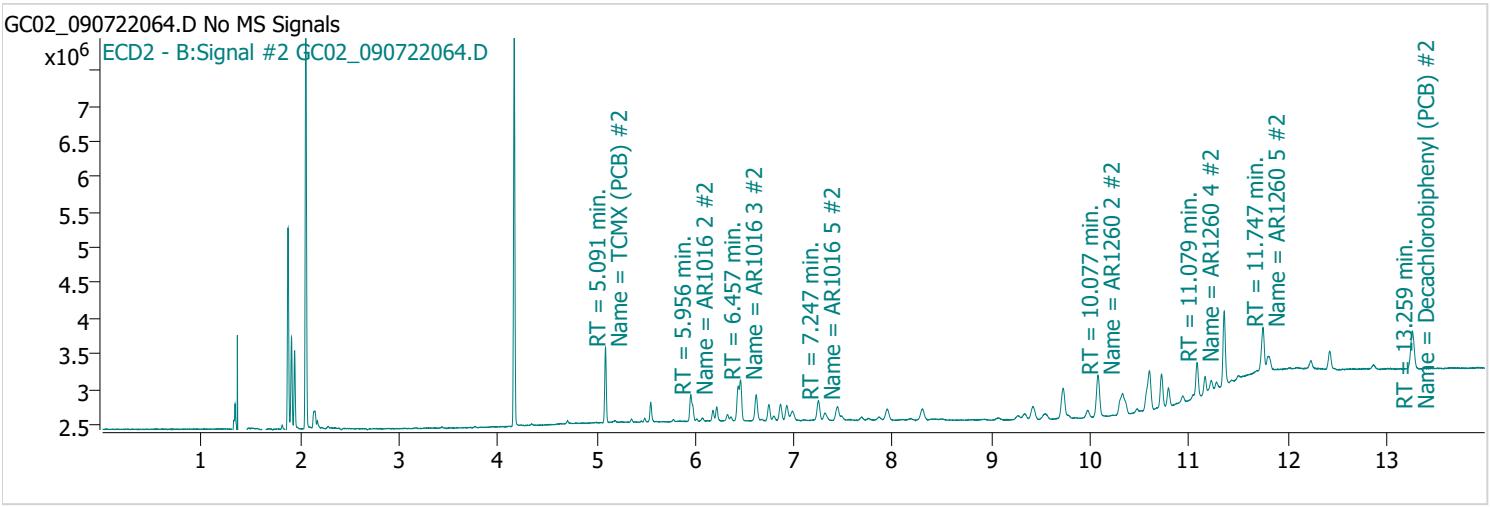
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.0463	13.26	0.00	624118				



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			



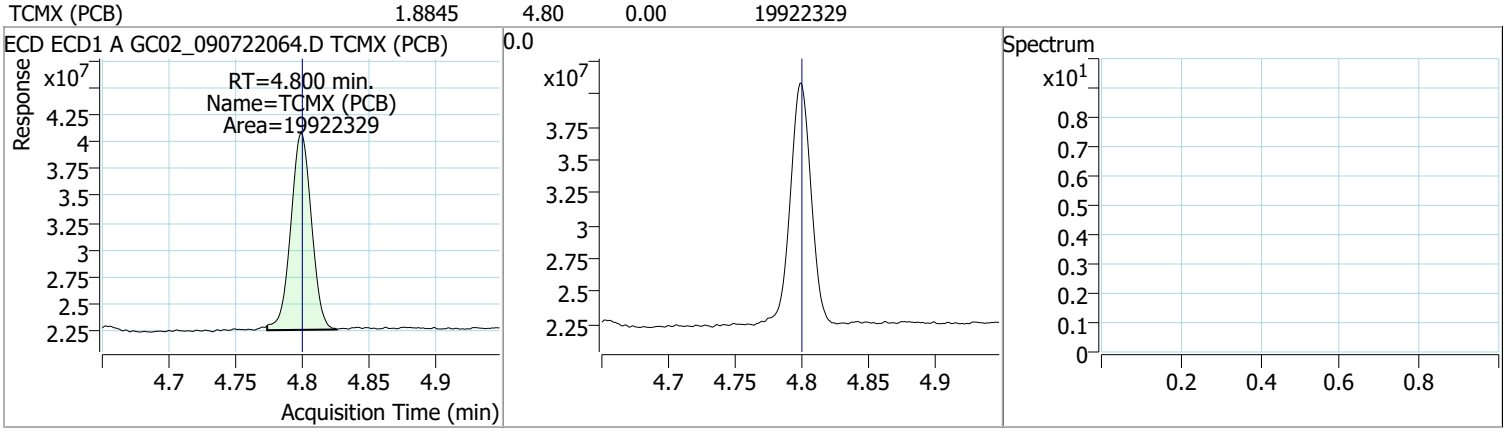


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	111745233.267	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.167	0.0	5182277.033	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.800	0.0	19922328.790	1.8845	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

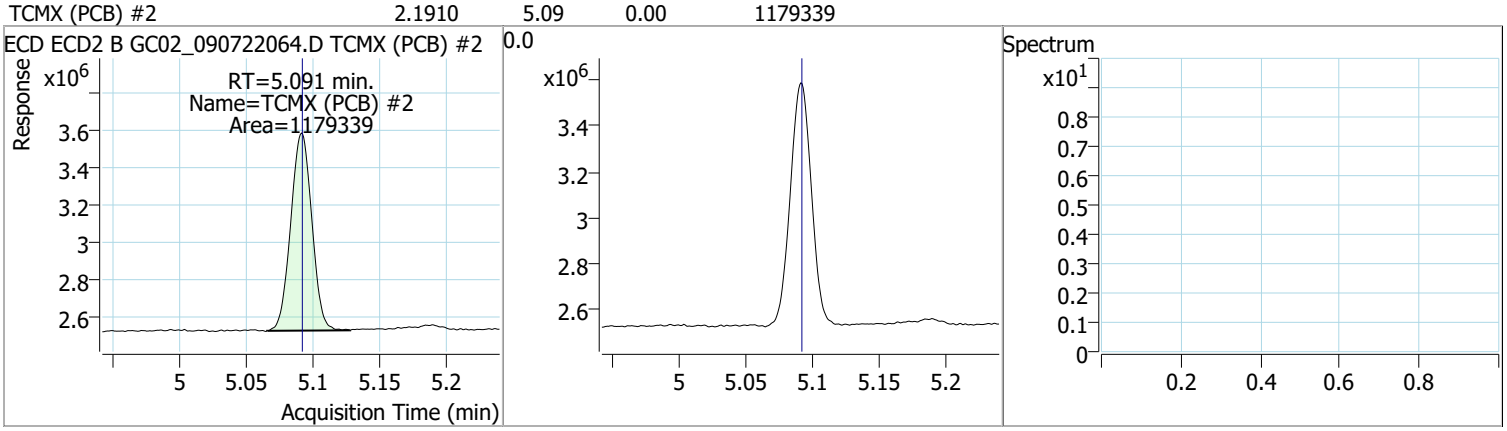
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.131	0.0	5346440.786	54.4004	ng/ml		100
T AR1016 2	5.461	0.0	10215750.521	53.8444	ng/ml		100
T AR1016 1 #2	5.549	0.0	360659.806	55.0782	ng/ml		100
T AR1016 3	5.899	0.0	14707273.380	51.4361	ng/ml	m	100
T AR1016 2 #2	5.956	0.0	776923.312	58.7643	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

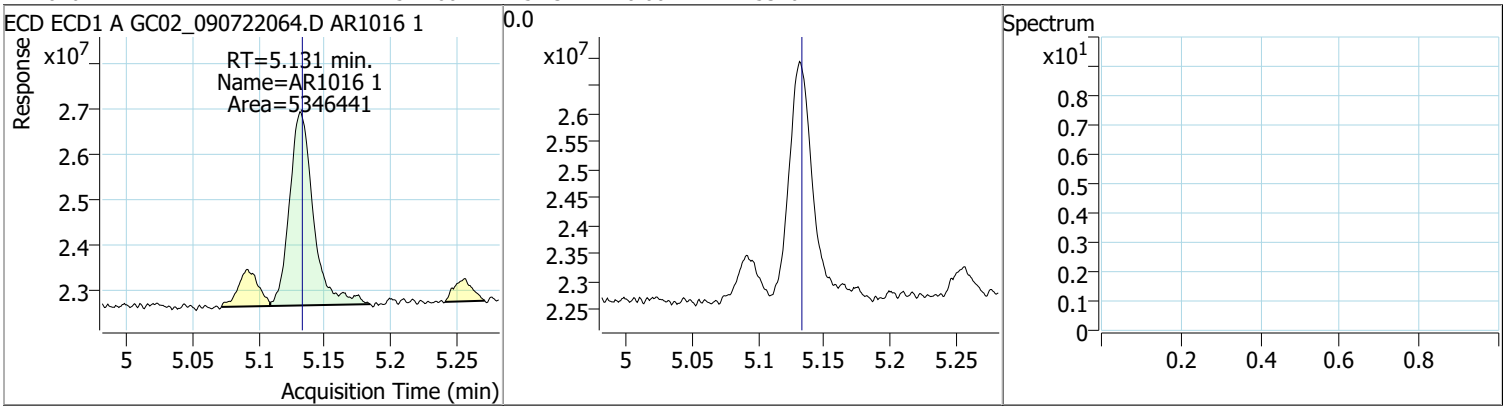
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8845	4.80	0.00	19922329				



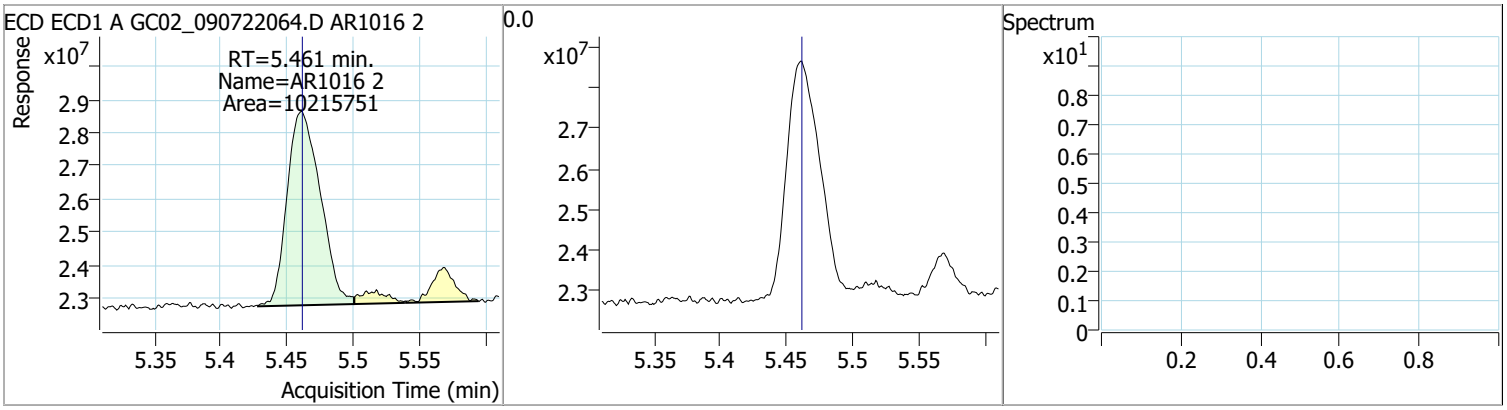
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TCMX (PCB) #2	2.1910	5.09	0.00	1179339				



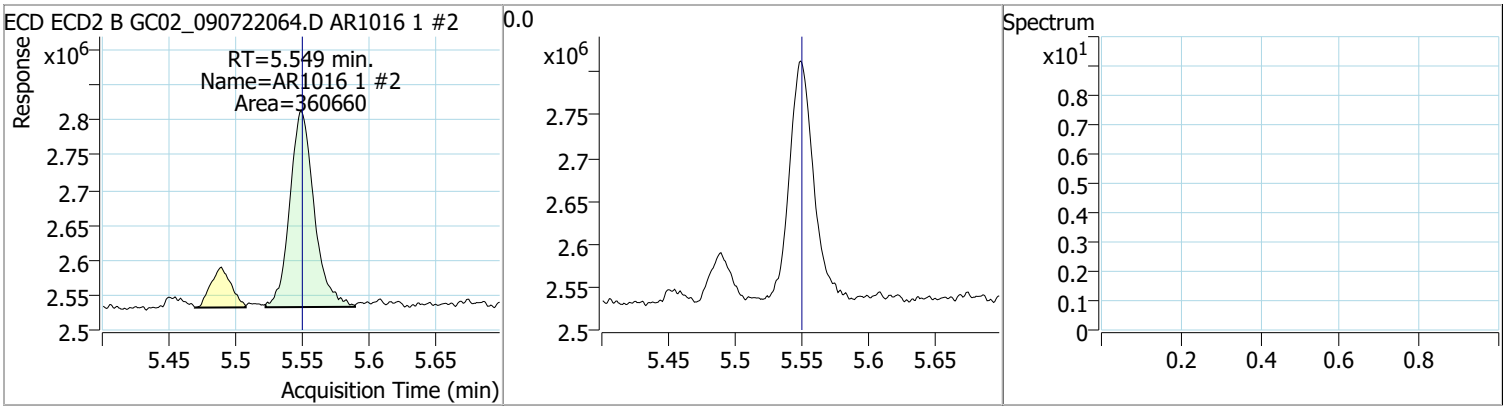
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AR1016 1	54.4004	5.13	0.00	5346441				



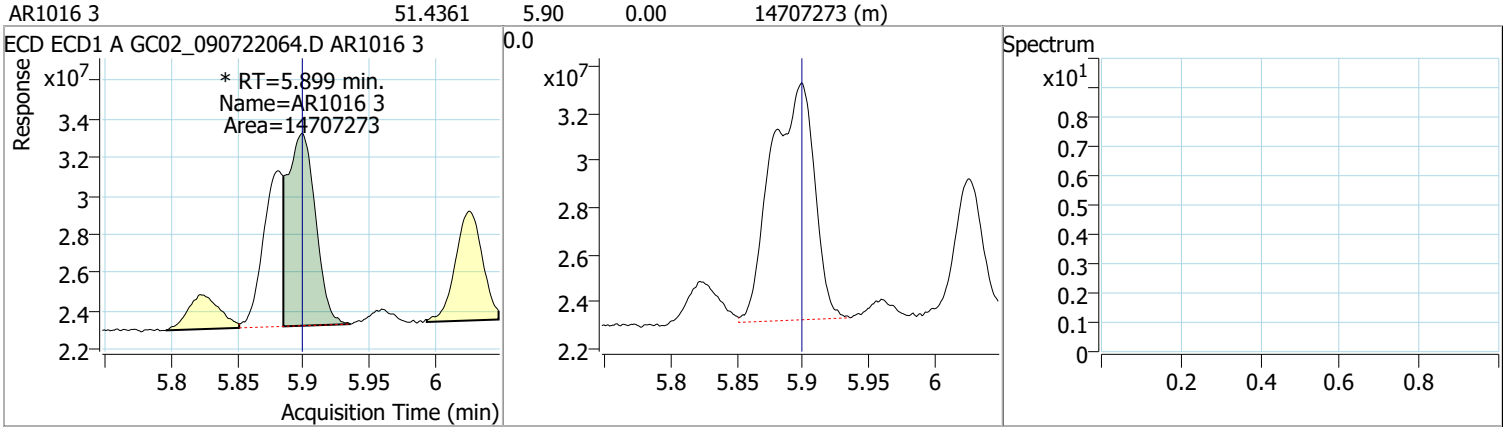
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AR1016 2	53.8444	5.46	0.00	10215751				



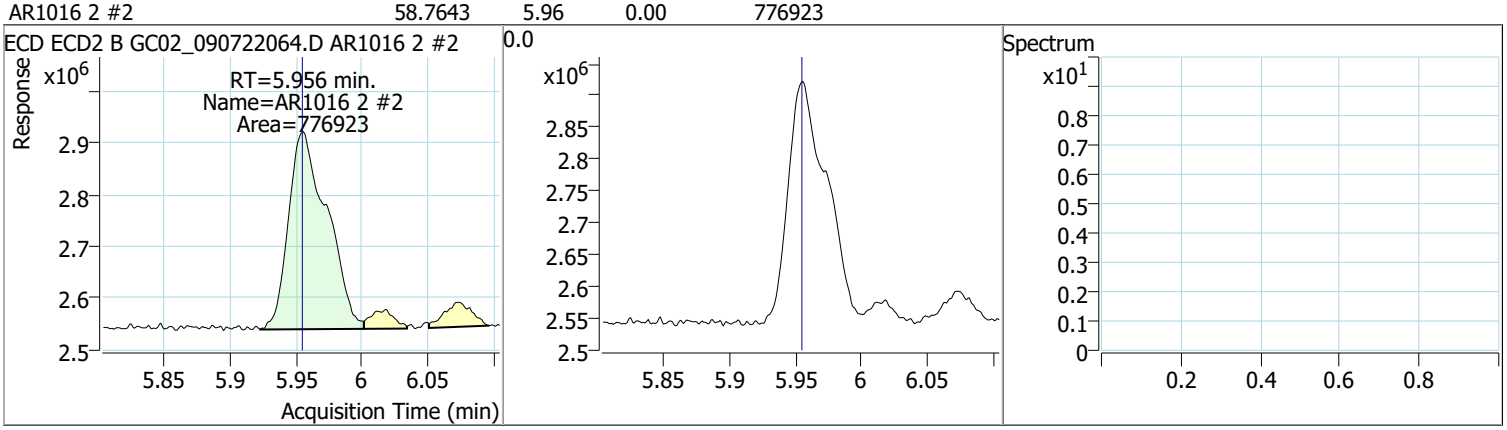
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AR1016 1 #2	55.0782	5.55	0.00	360660				



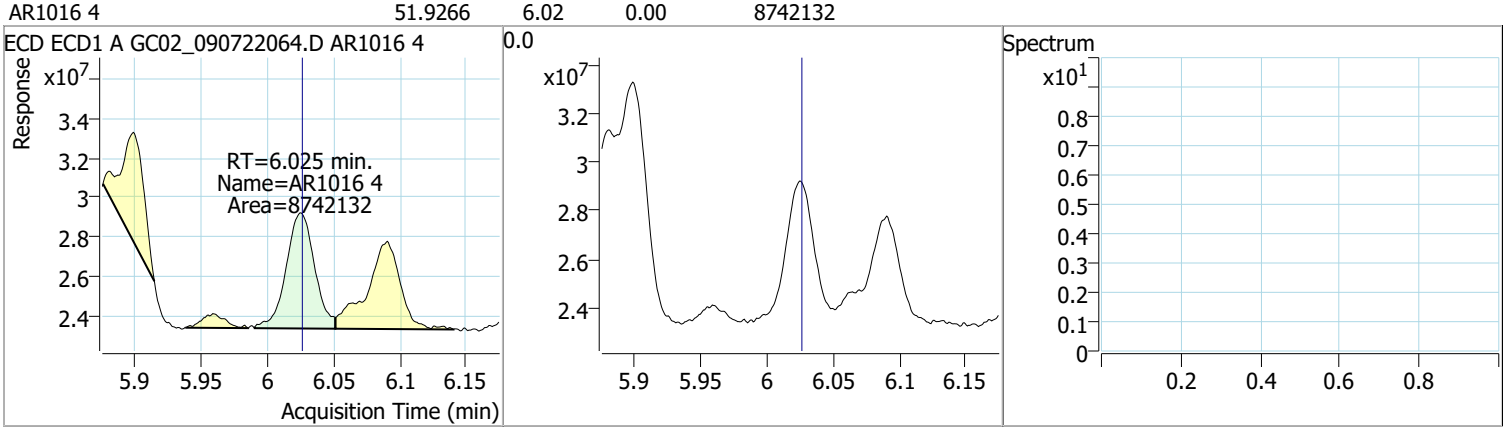
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	51.4361	5.90	0.00	14707273 (m)				



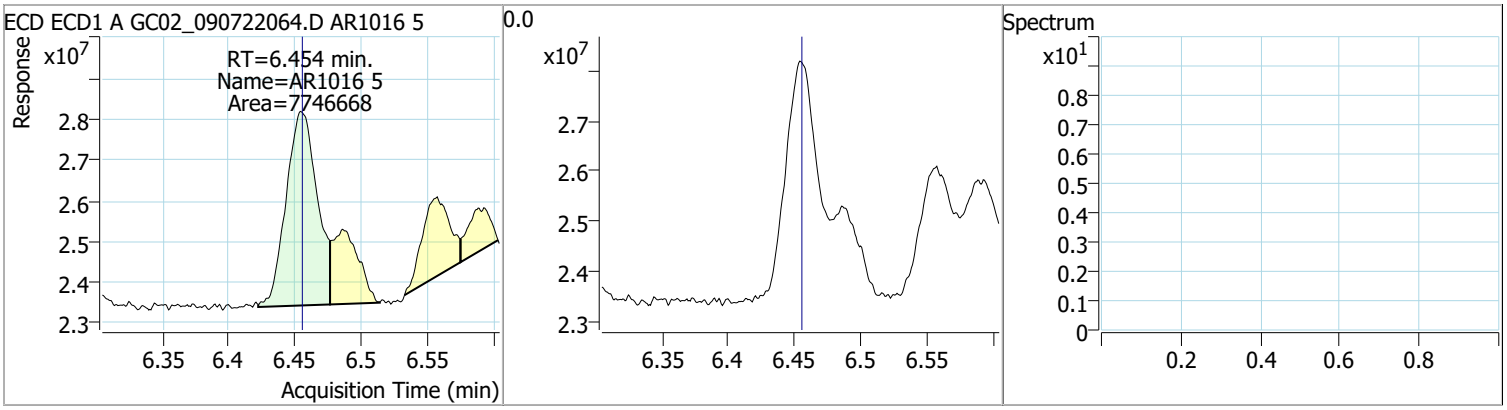
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AR1016 2 #2	58.7643	5.96	0.00	776923				



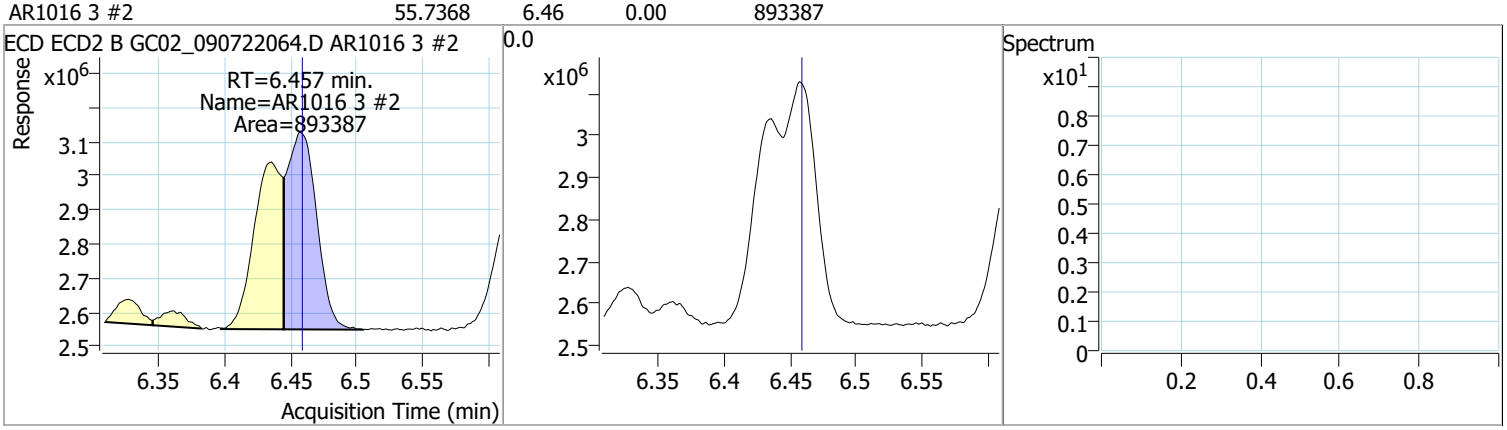
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	51.9266	6.02	0.00	8742132				



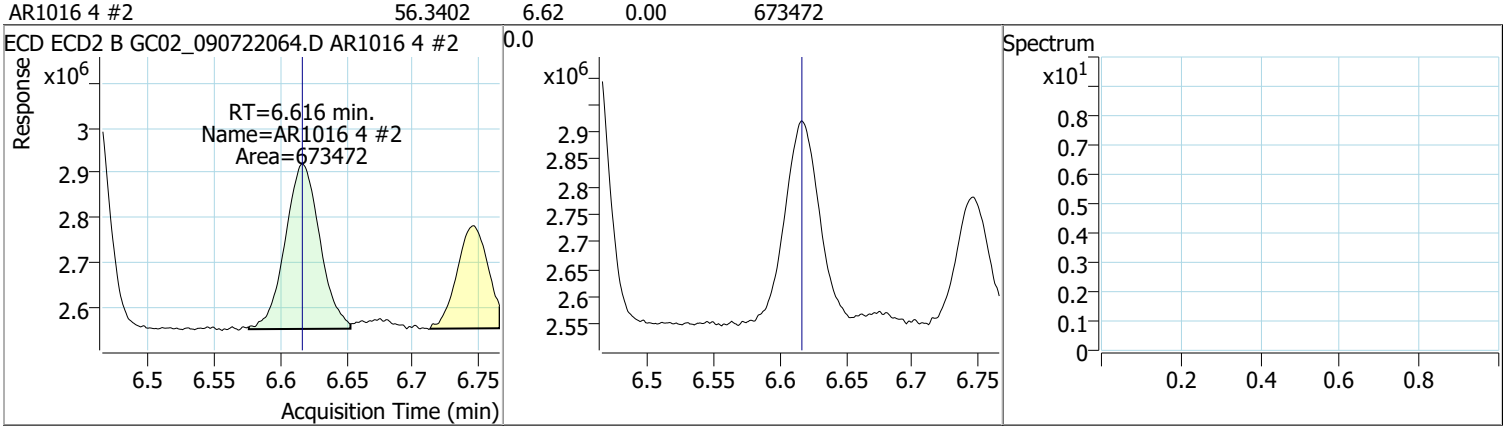
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AR1016 5	49.9600	6.45	0.00	7746668				



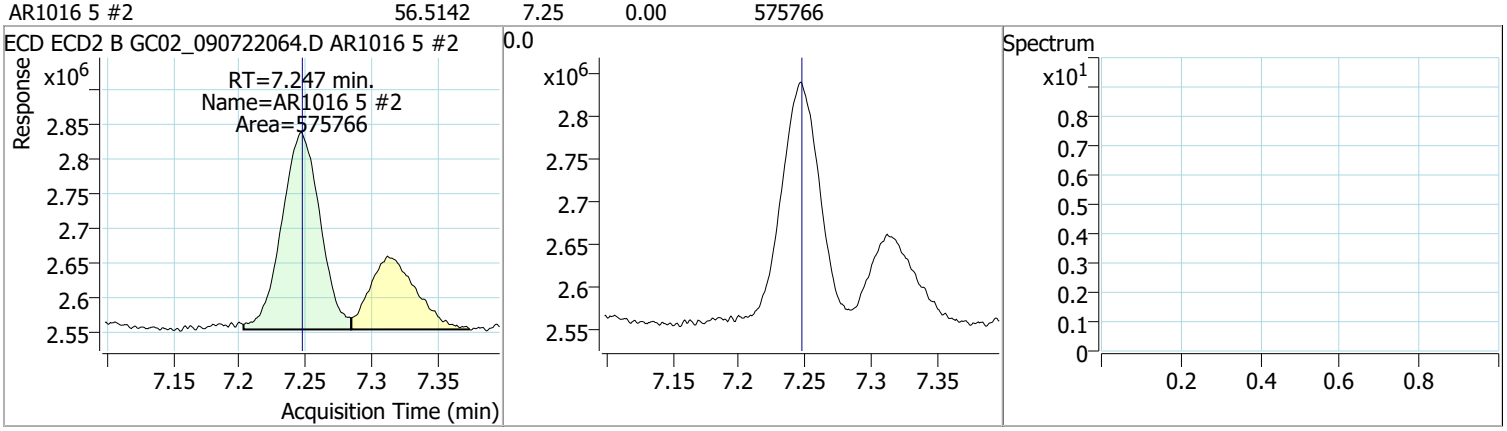
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AR1016 3 #2	55.7368	6.46	0.00	893387				



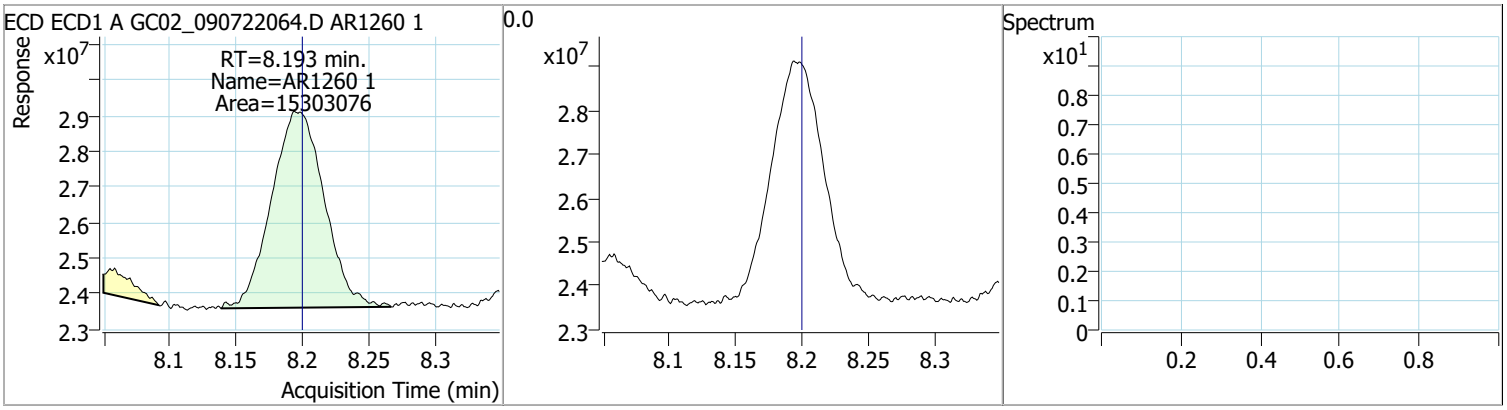
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AR1016 4 #2	56.3402	6.62	0.00	673472				



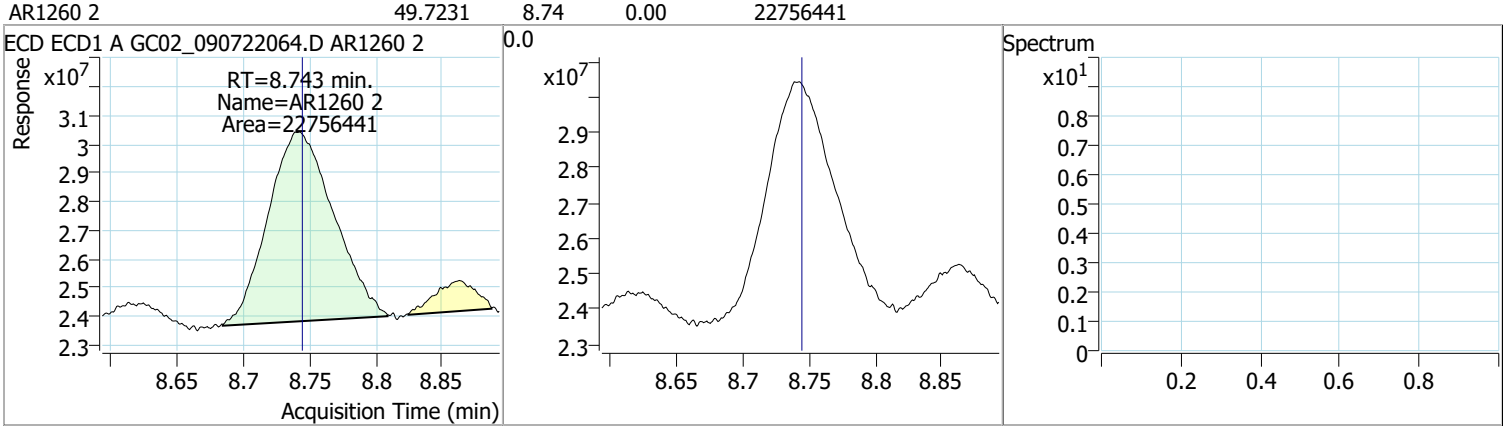
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	56.5142	7.25	0.00	575766				



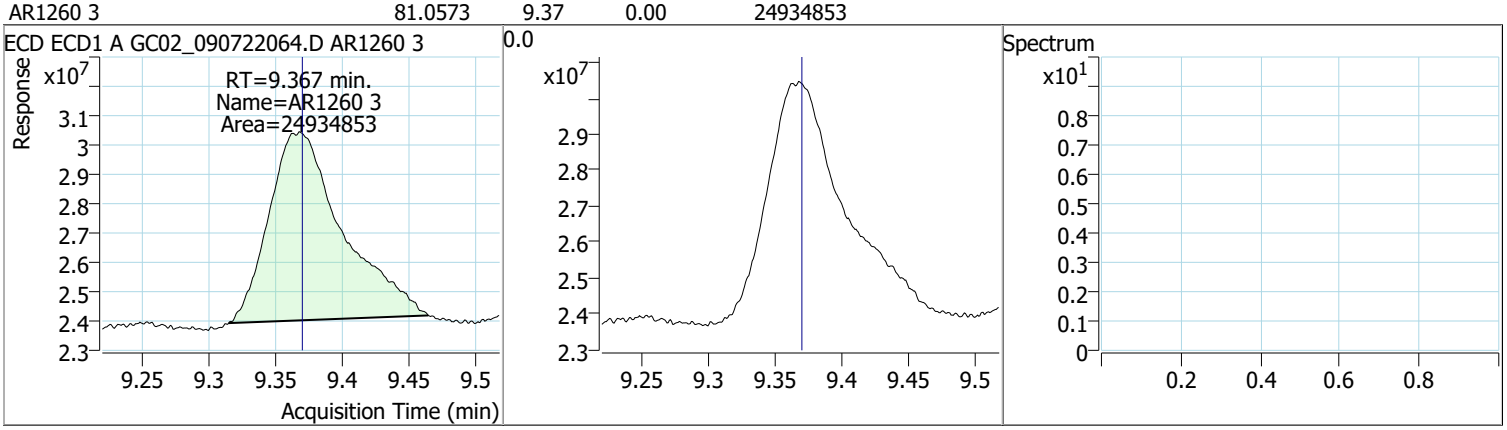
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	51.1122	8.19	0.00	15303076				



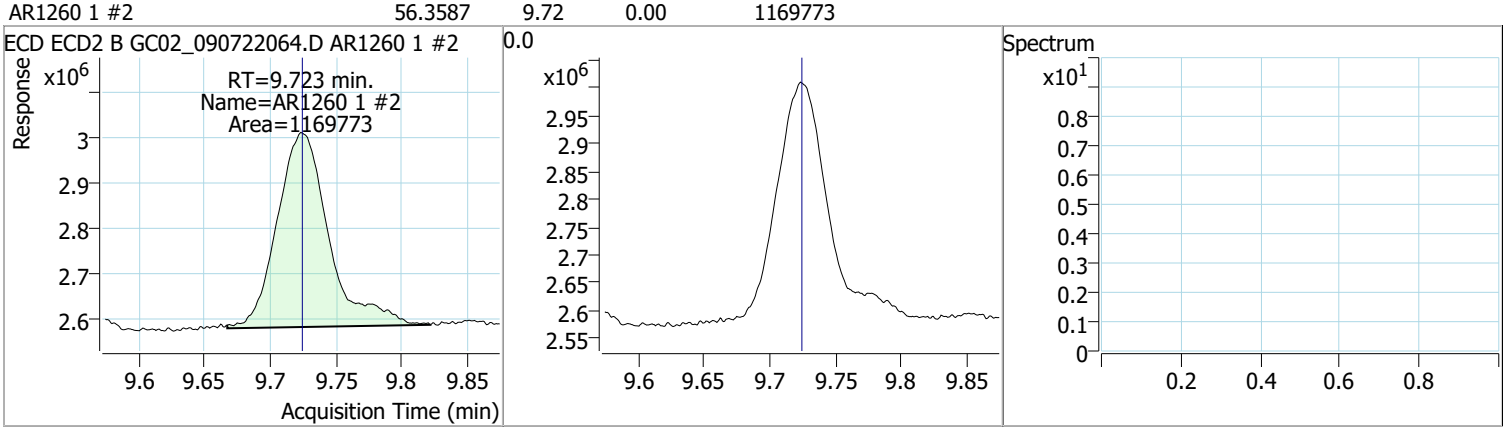
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	49.7231	8.74	0.00	22756441				



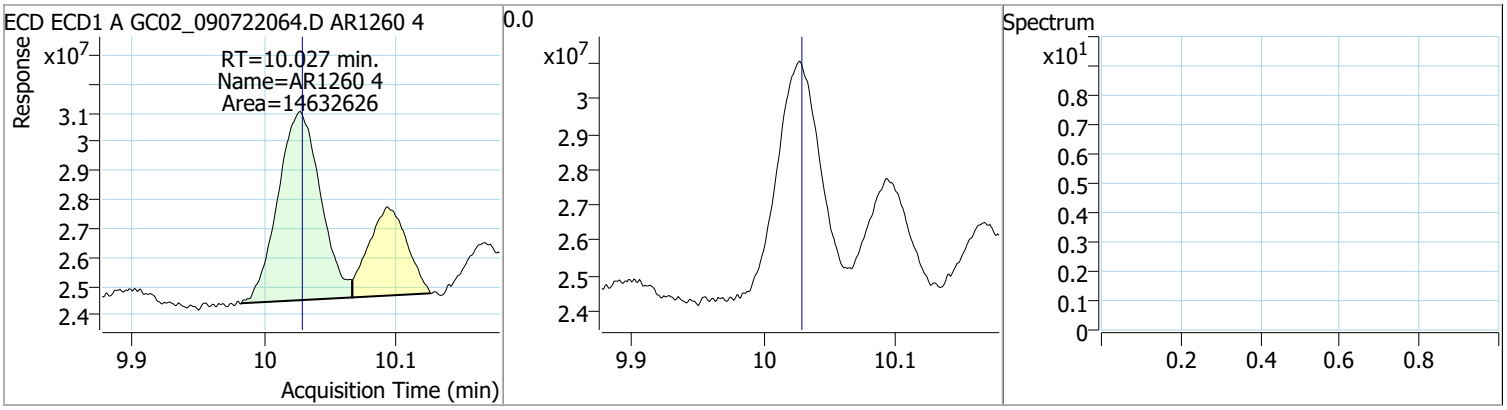
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	81.0573	9.37	0.00	24934853				



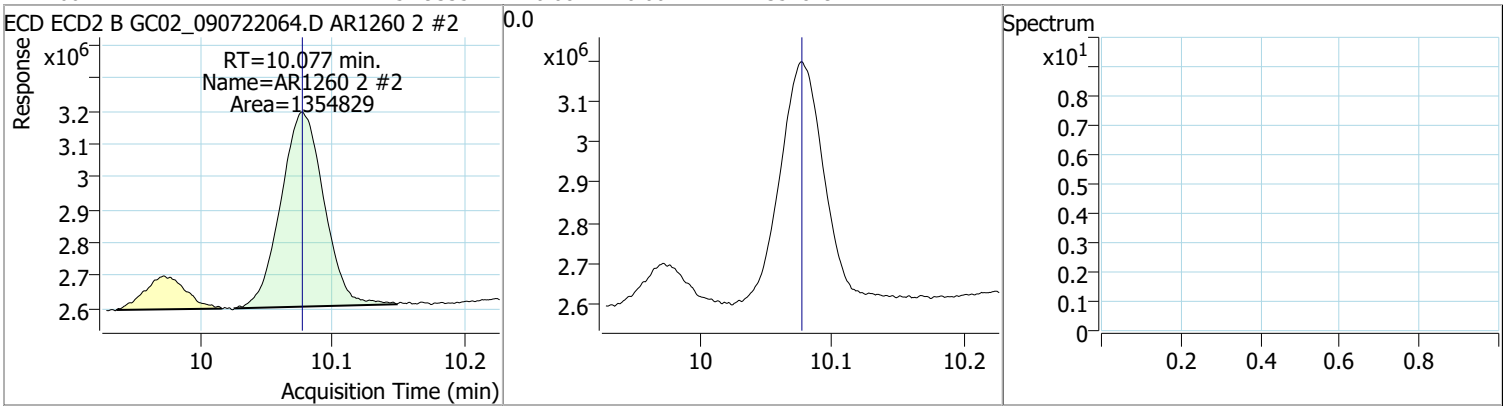
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	56.3587	9.72	0.00	1169773				



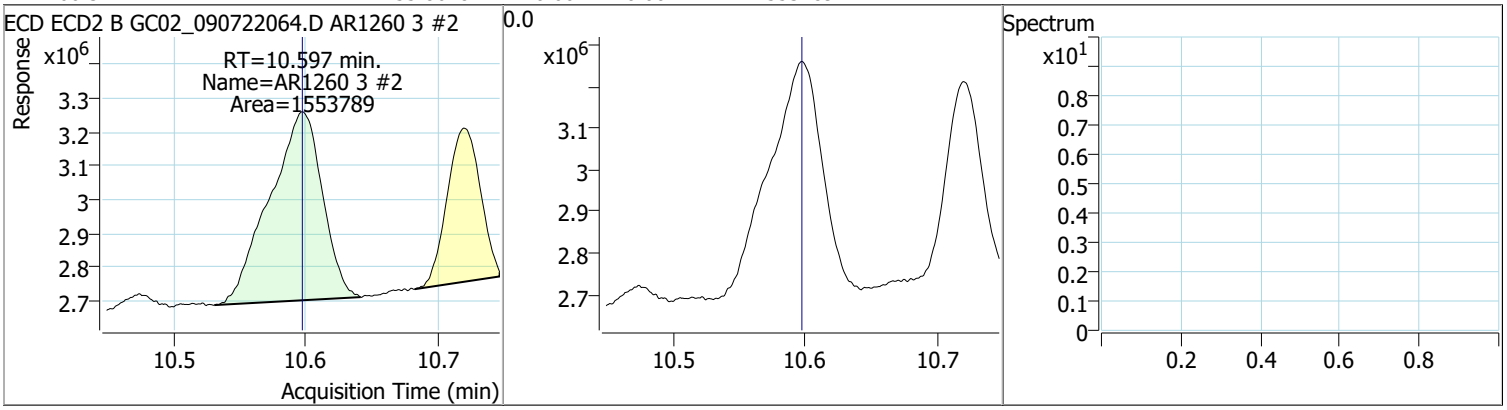
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	47.5125	10.03	0.00	14632626				



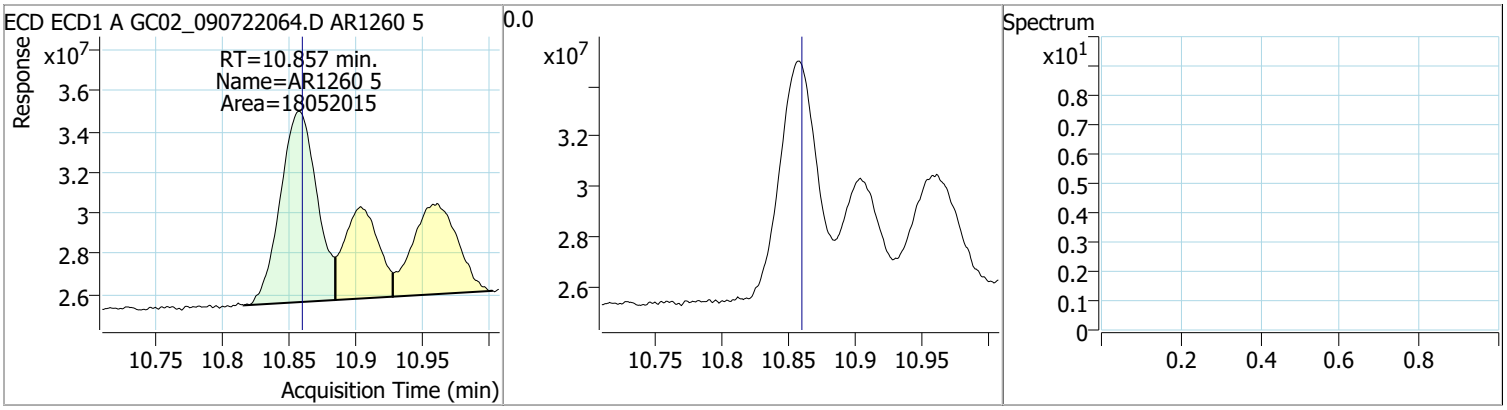
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	57.9335	10.08	0.00	1354829				



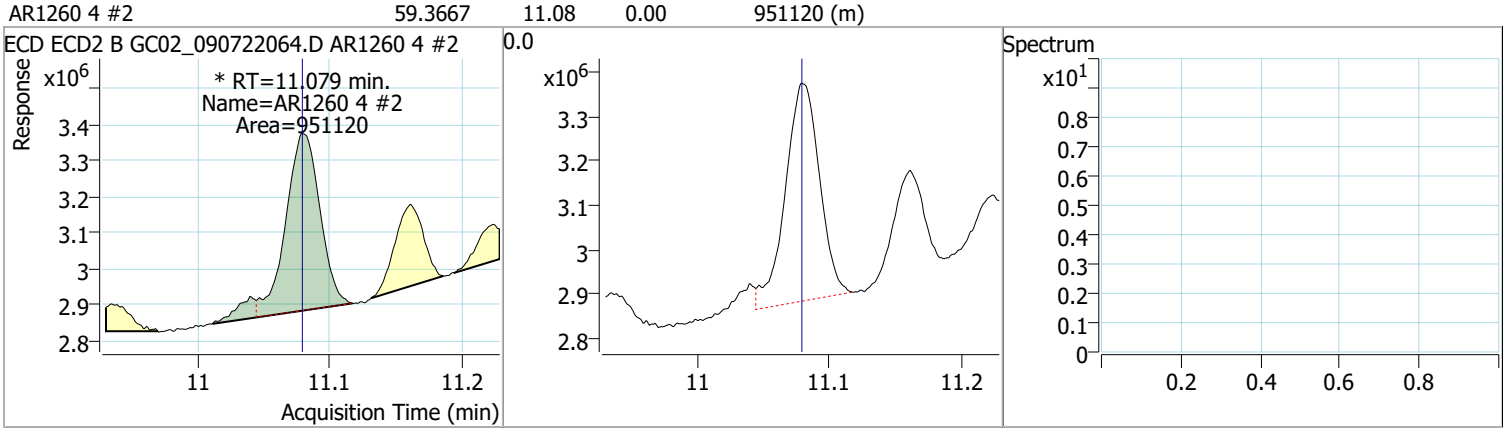
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	55.8618	10.60	0.00	1553789				



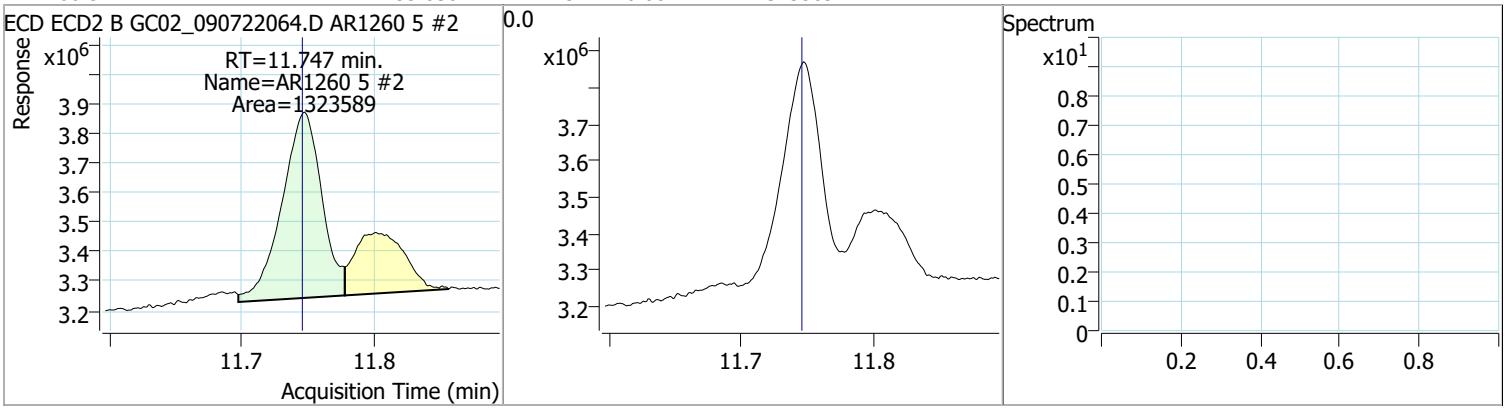
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	44.8250	10.86	0.00	18052015				



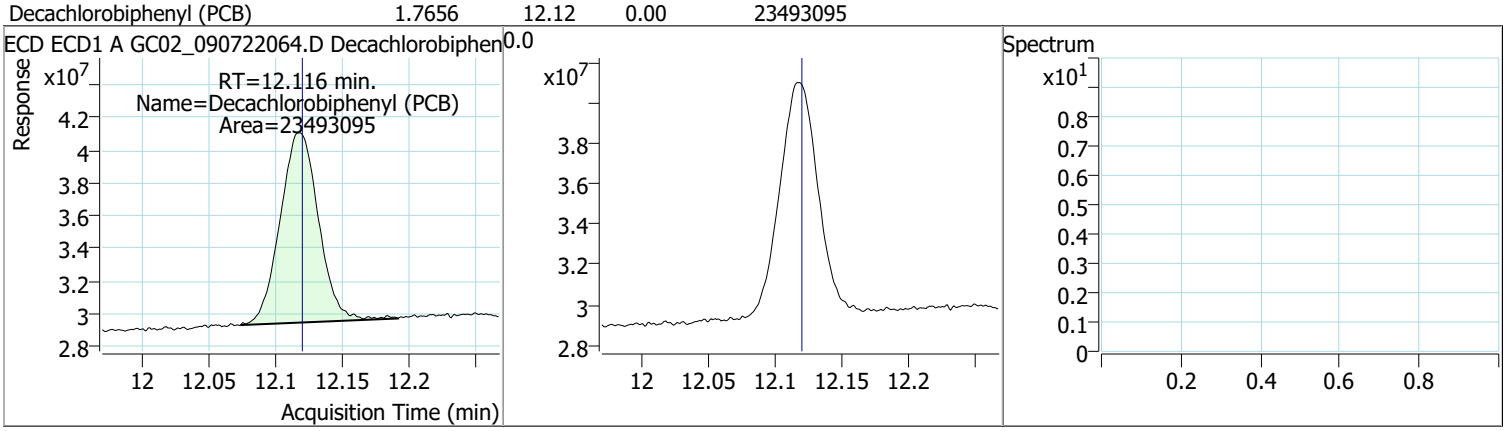
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	59.3667	11.08	0.00	951120 (m)				



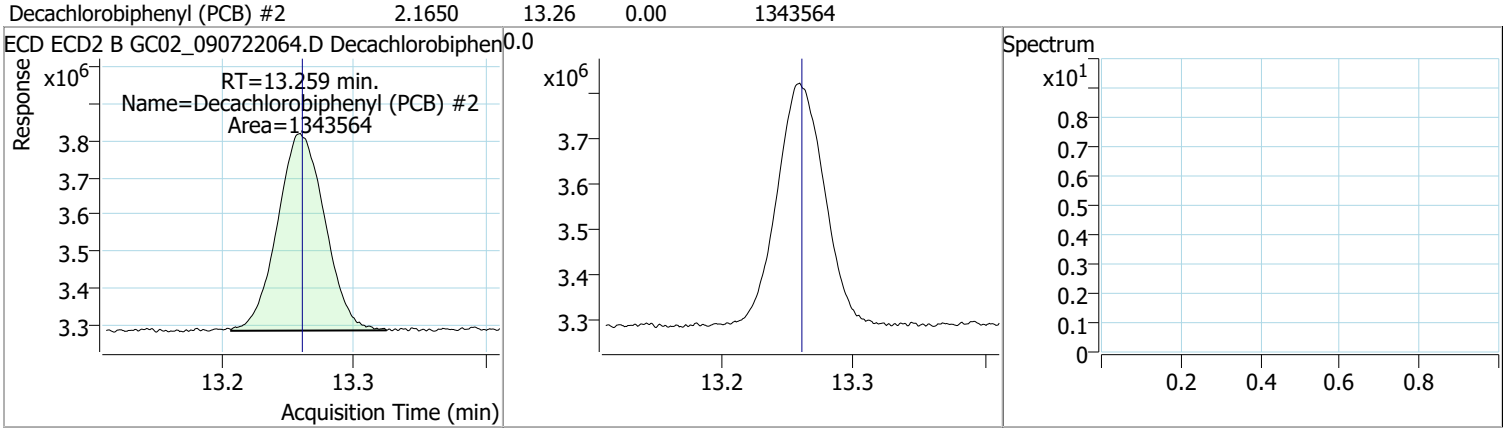
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	55.8301	11.75	0.00	1323589				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.7656	12.12	0.00	23493095				

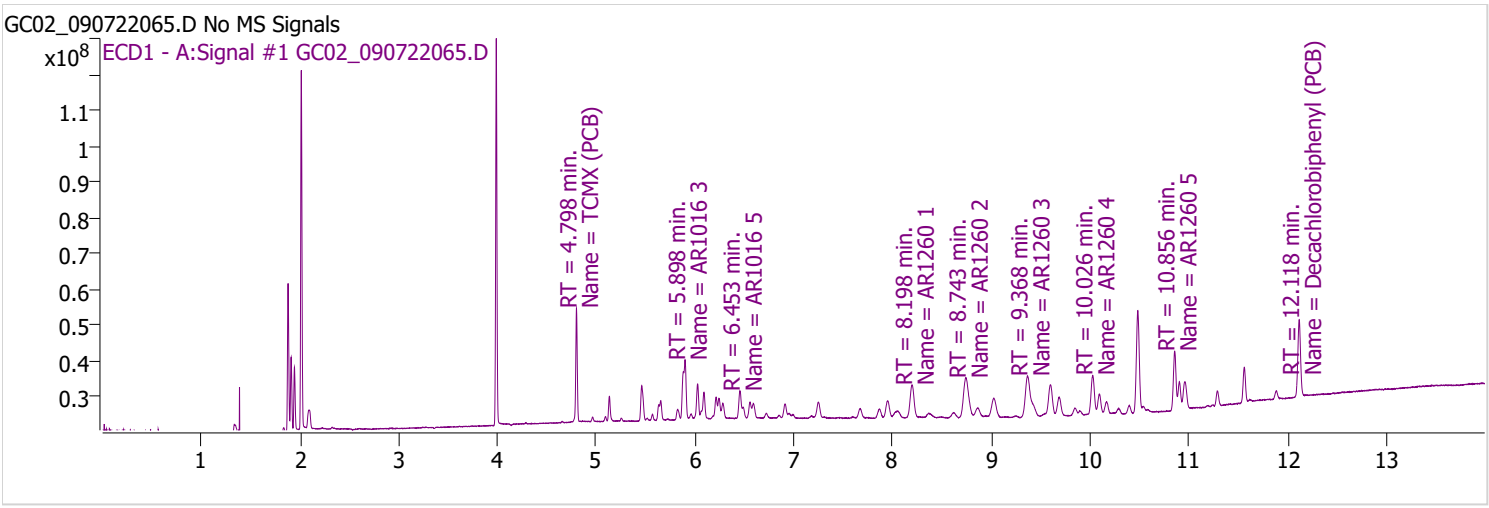


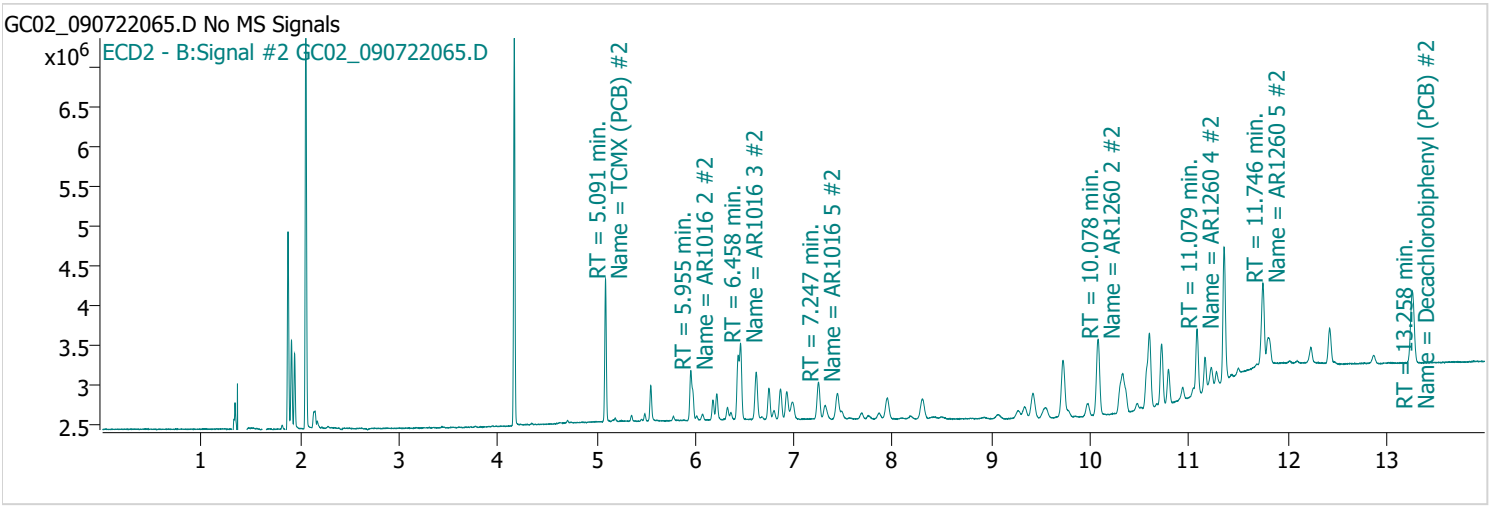
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.1650	13.26	0.00	1343564				



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			



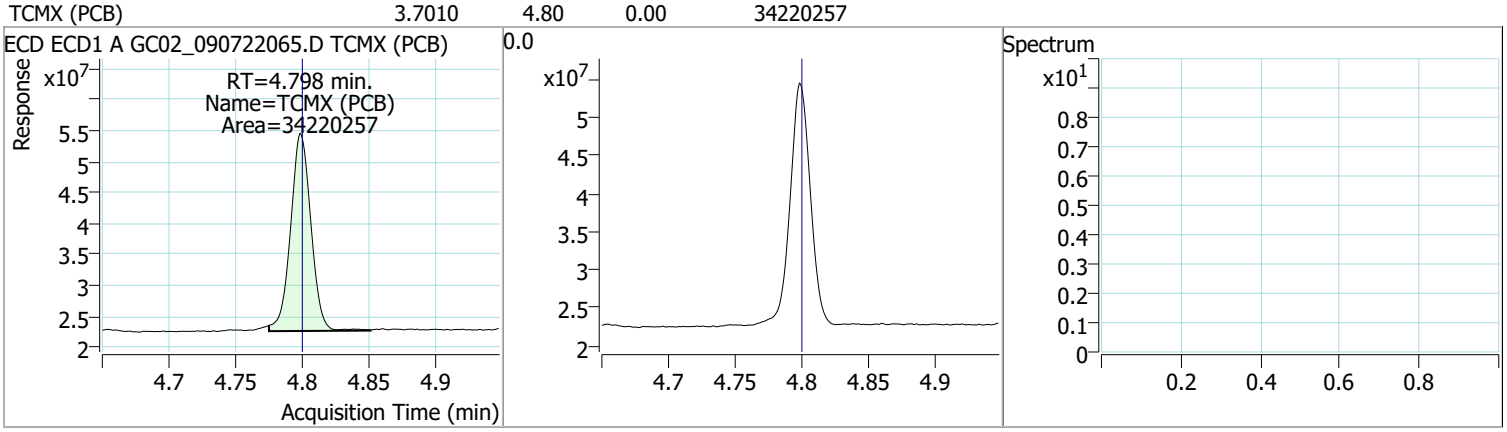


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	97734793.978	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.168	0.0	4605080.233	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.798	0.0	34220256.668	3.7010	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

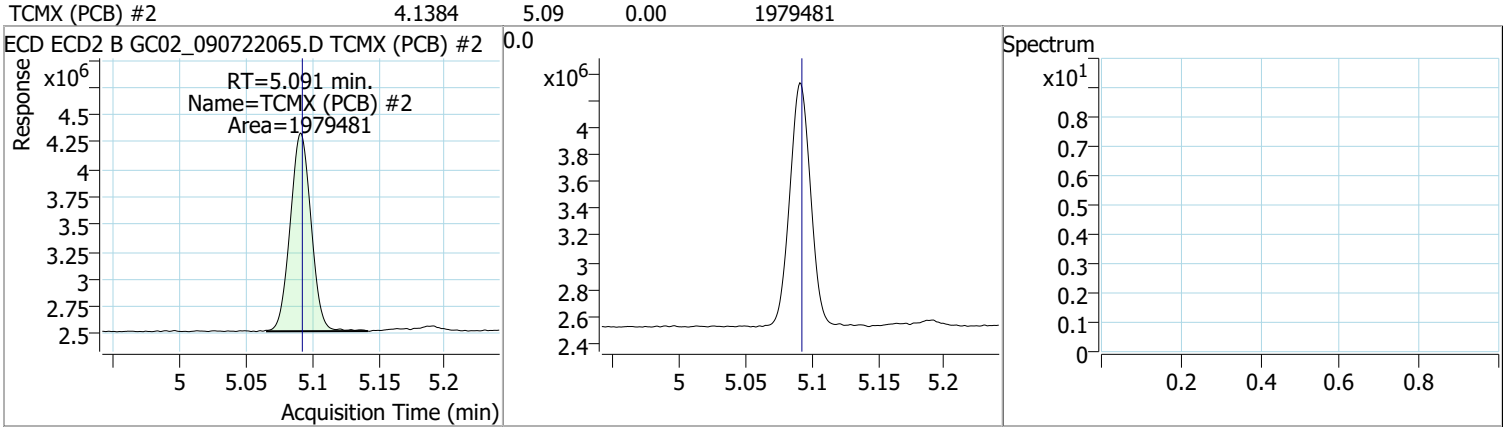
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.132	0.0	9065956.385	105.4704	ng/ml		100
T AR1016 2	5.460	0.0	16955884.414	102.1811	ng/ml		100
T AR1016 1 #2	5.549	0.0	598605.590	102.8741	ng/ml		100
T AR1016 3	5.898	0.0	23388013.841	93.5210	ng/ml	m	100
T AR1016 2 #2	5.955	0.0	1292386.616	110.0046	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

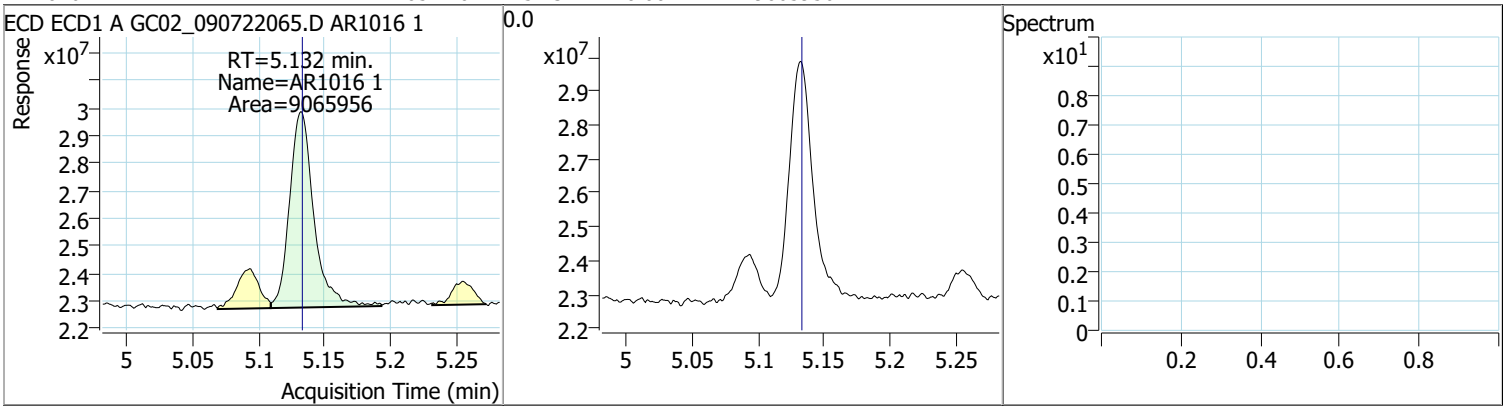
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	3.7010	4.80	0.00	34220257				



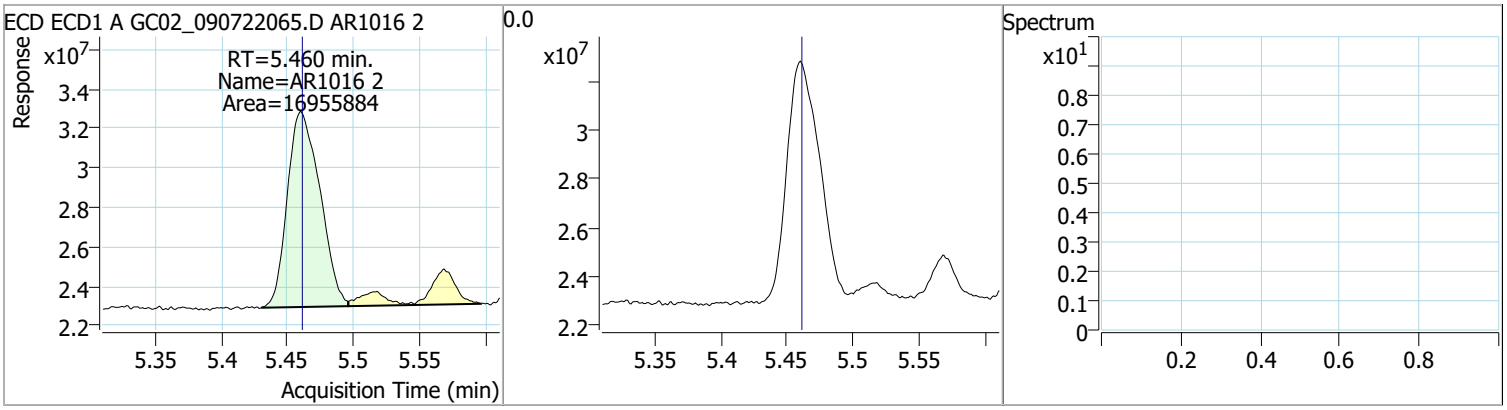
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.1384	5.09	0.00	1979481				



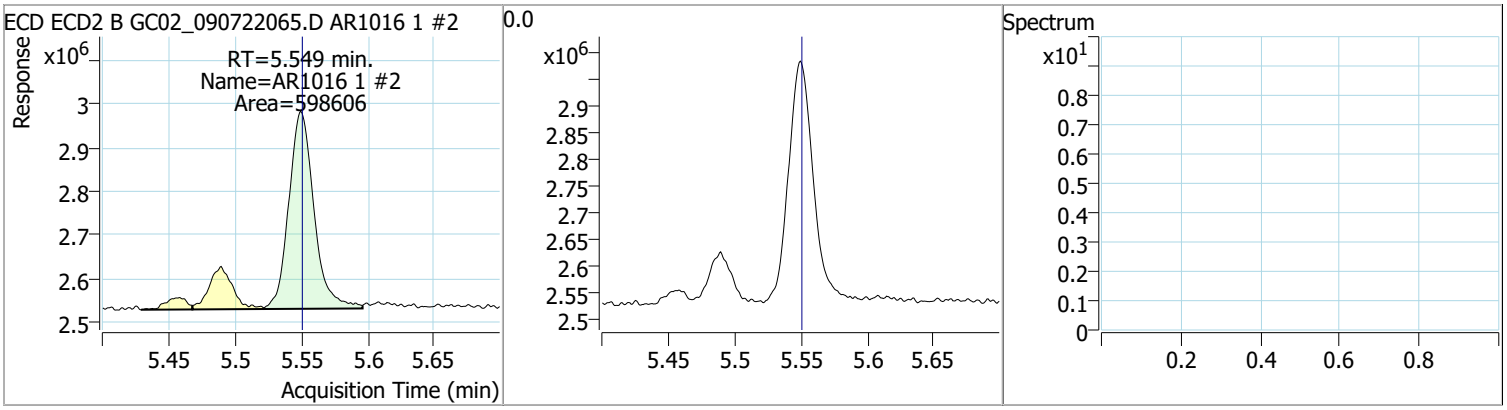
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	105.4704	5.13	0.00	9065956				



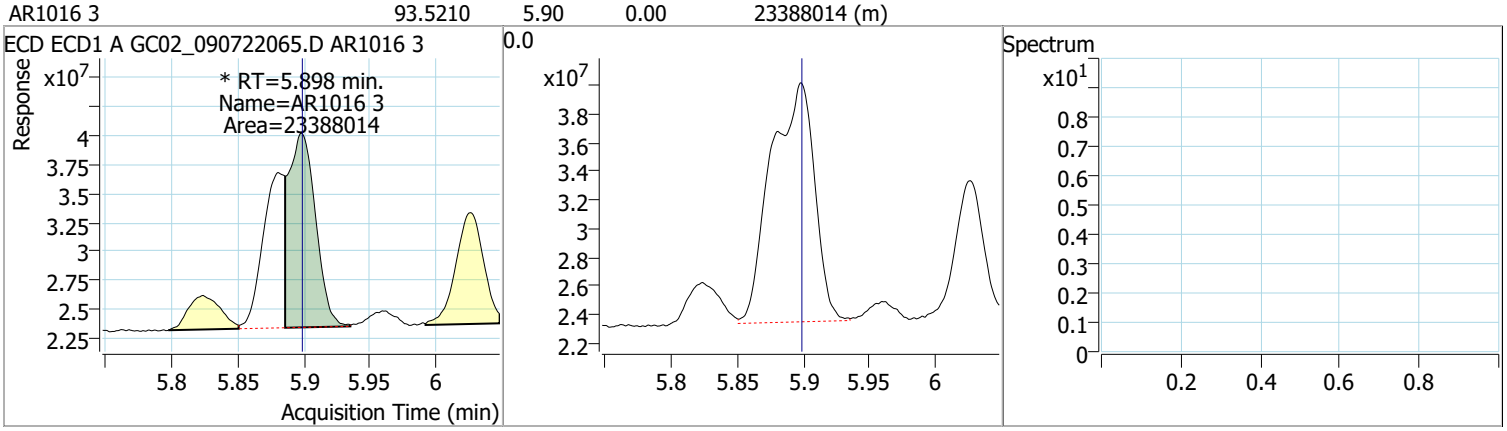
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	102.1811	5.46	0.00	16955884				



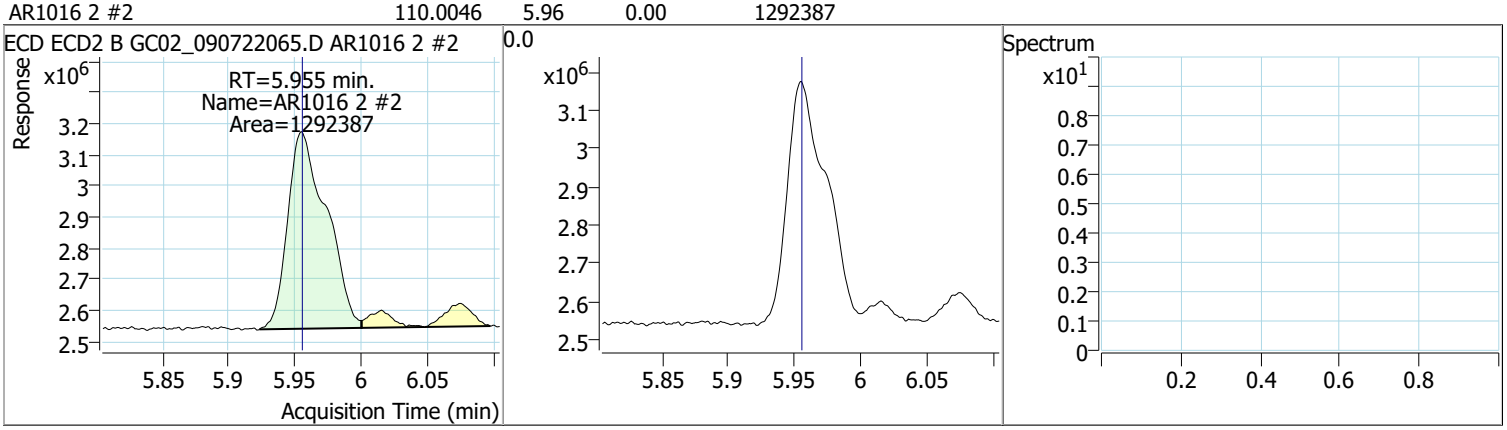
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	102.8741	5.55	0.00	598606				



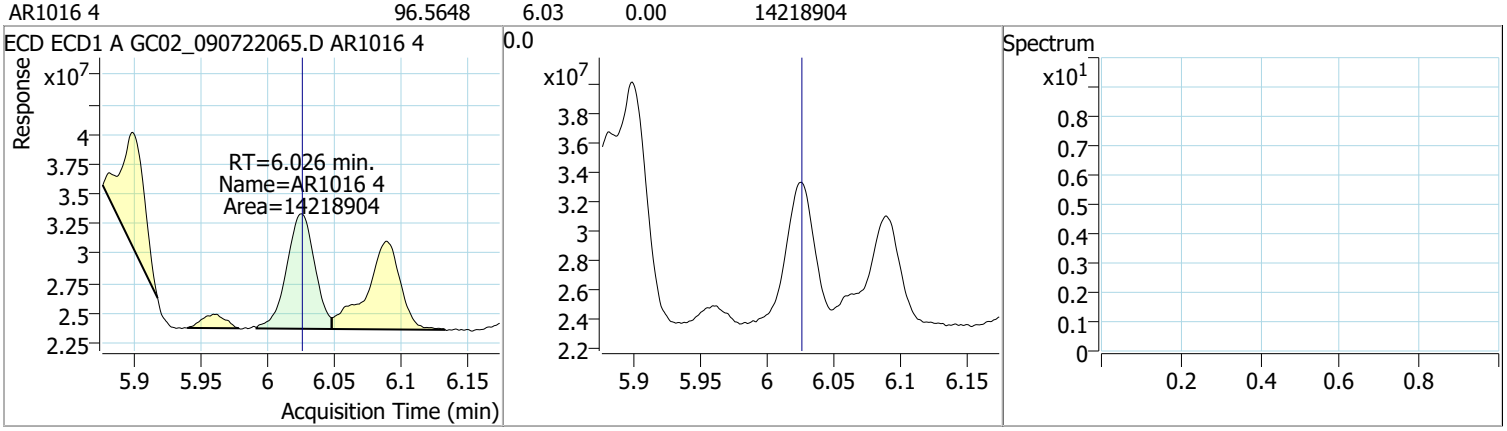
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	93.5210	5.90	0.00	23388014 (m)				



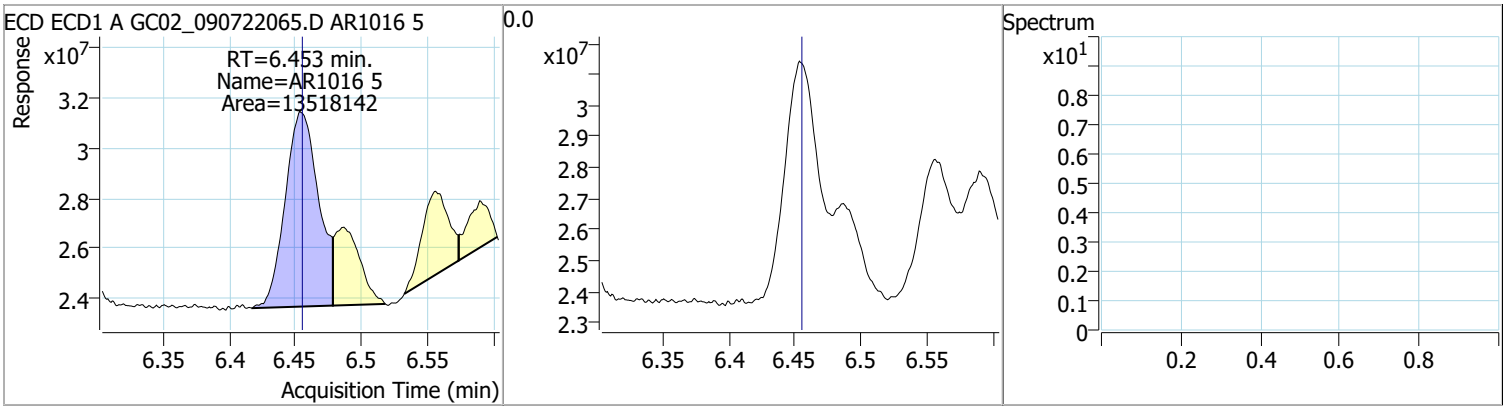
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	110.0046	5.96	0.00	1292387				



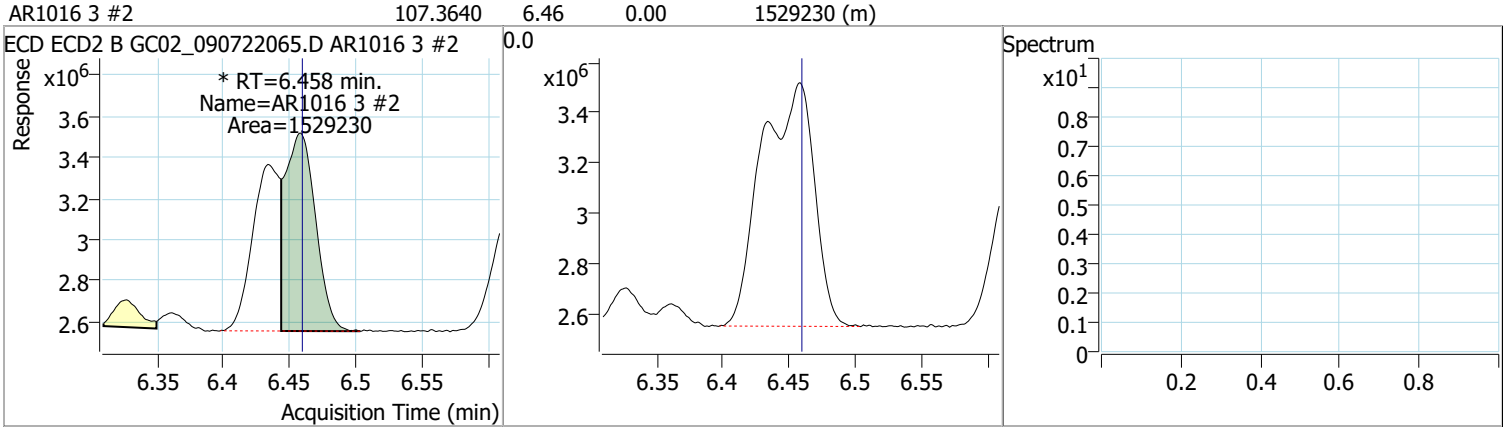
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AR1016 4	96.5648	6.03	0.00	14218904				



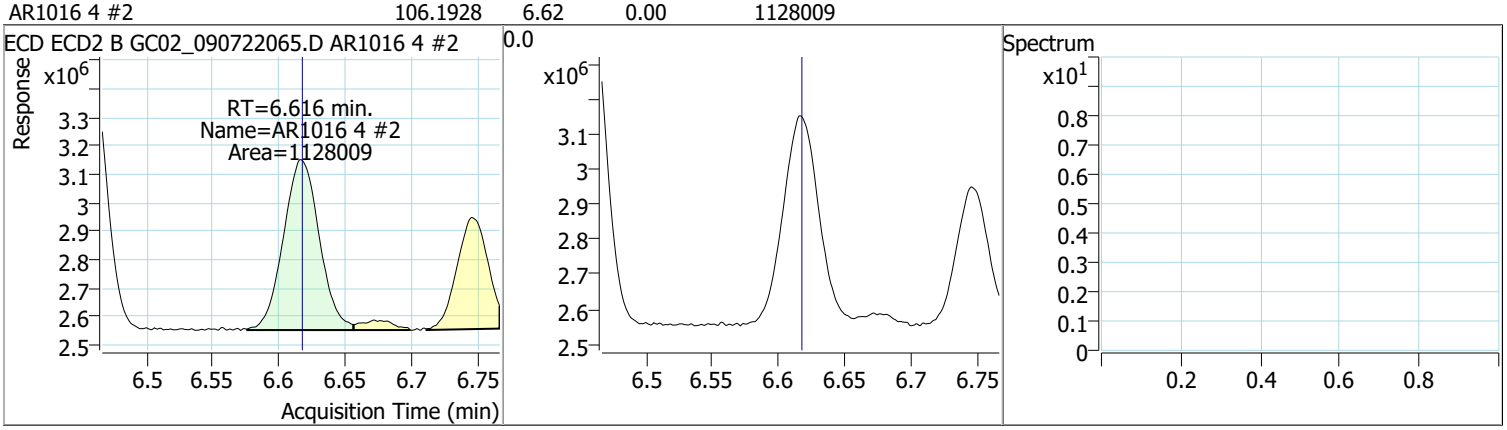
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	99.6791	6.45	0.00	13518142				



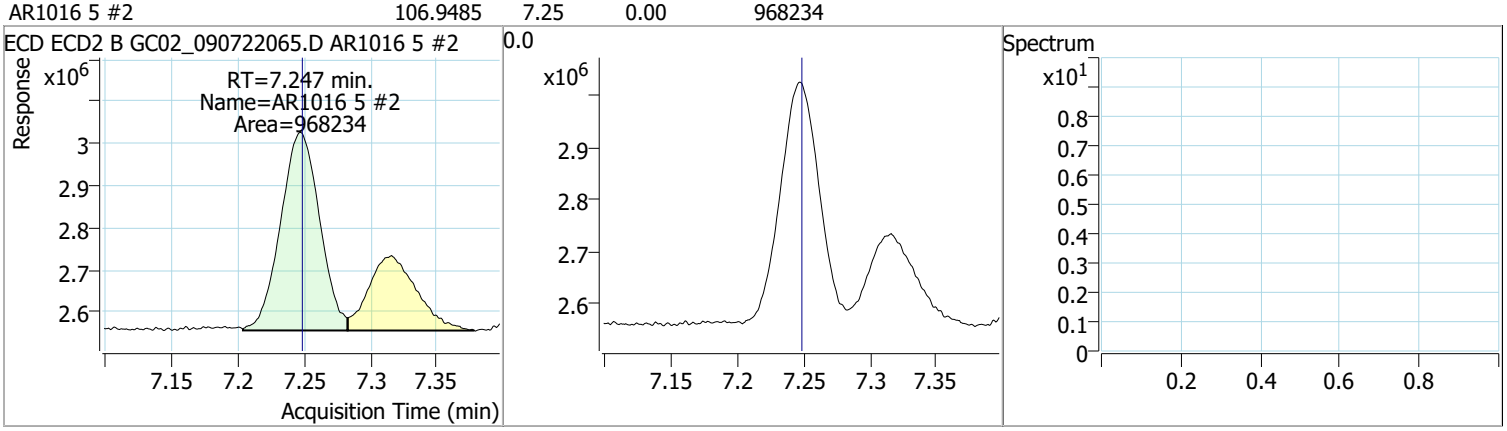
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	107.3640	6.46	0.00	1529230 (m)				



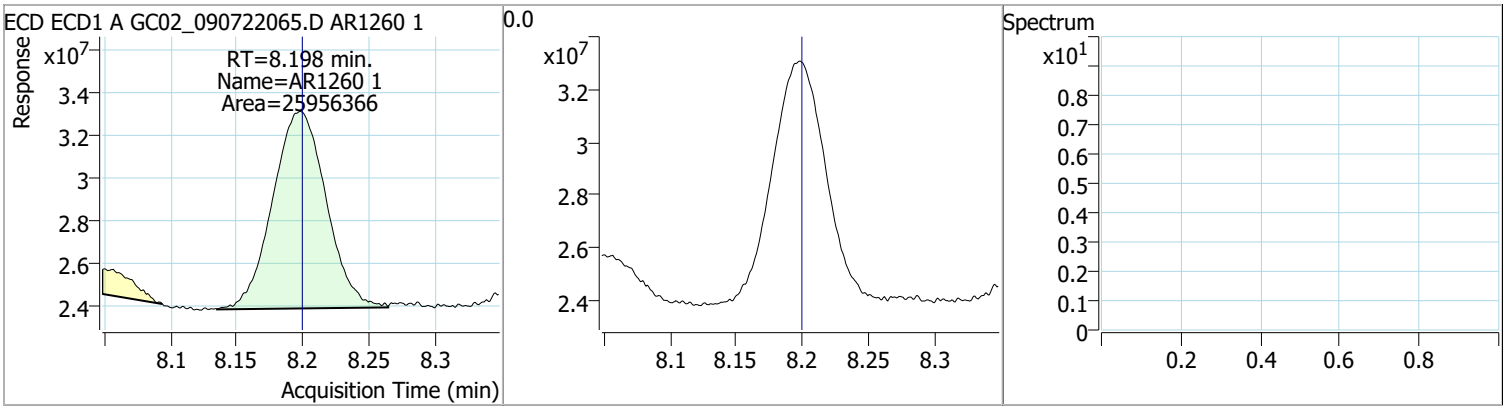
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	106.1928	6.62	0.00	1128009				



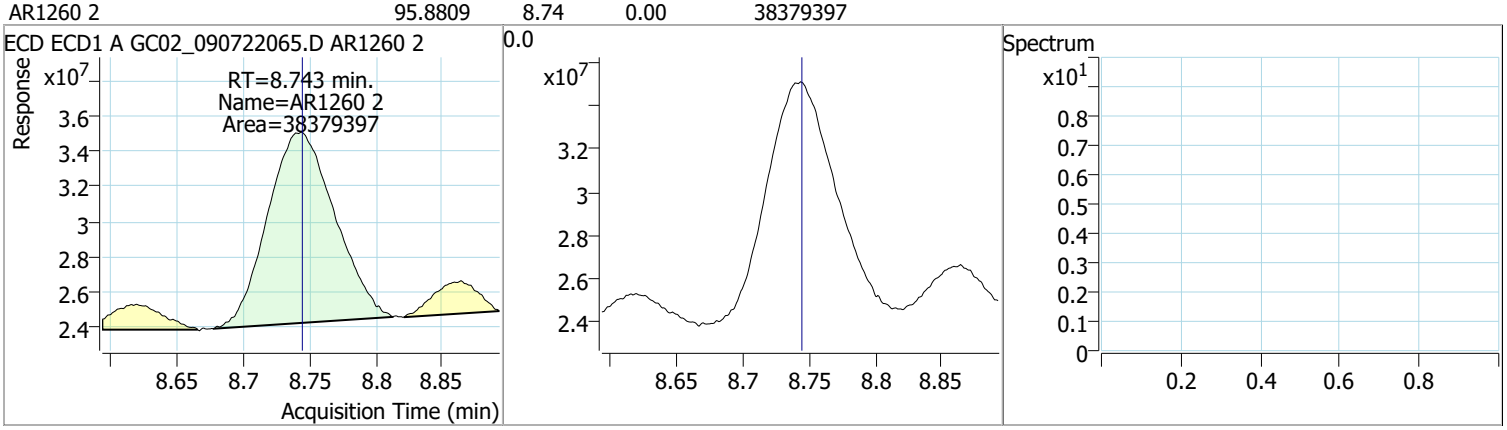
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	106.9485	7.25	0.00	968234				



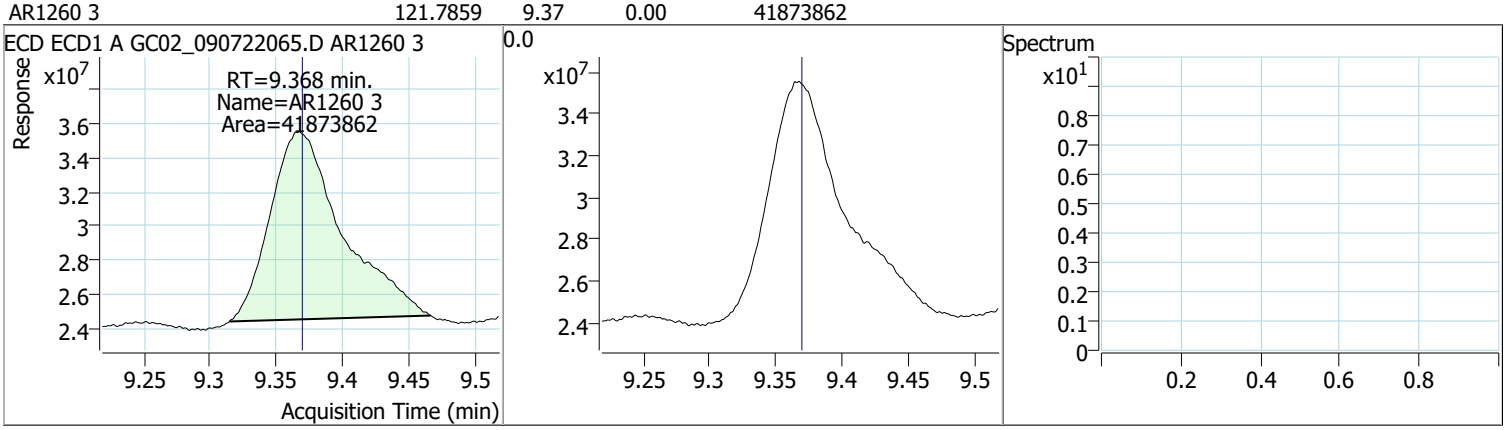
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	99.1219	8.20	0.00	25956366				



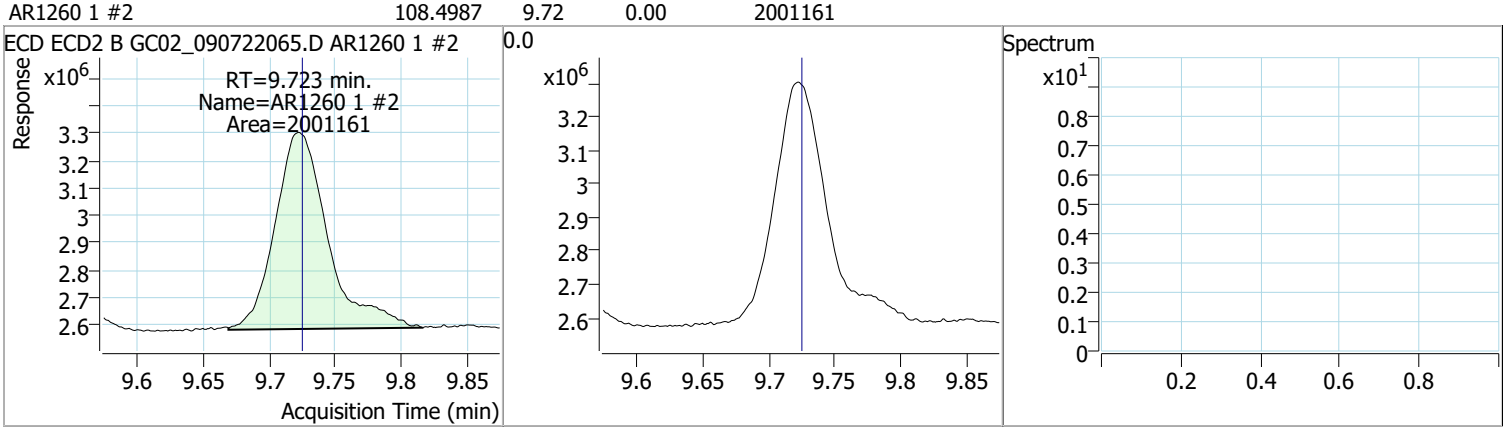
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	95.8809	8.74	0.00	38379397				



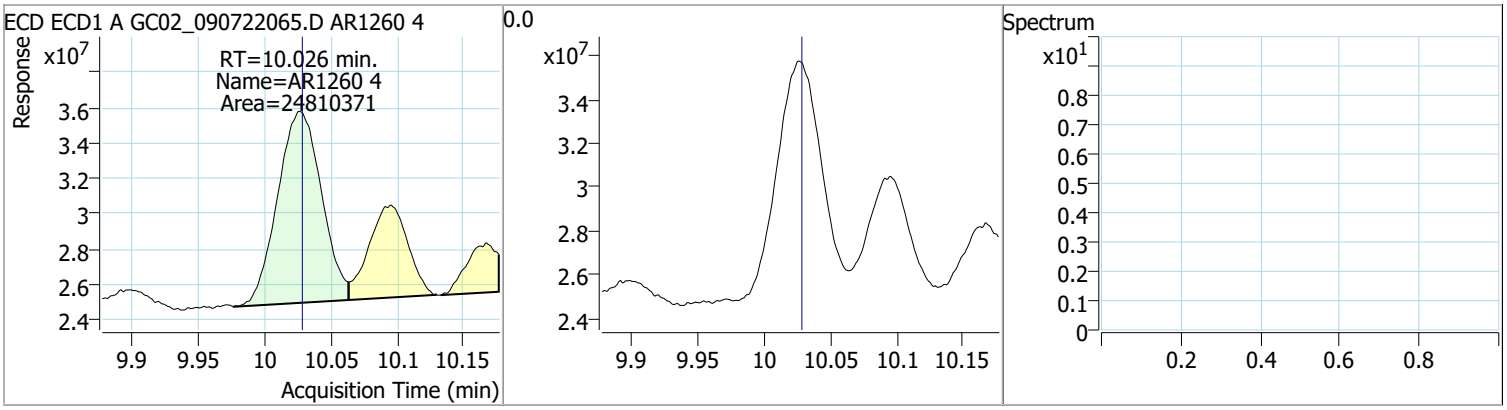
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	121.7859	9.37	0.00	41873862				



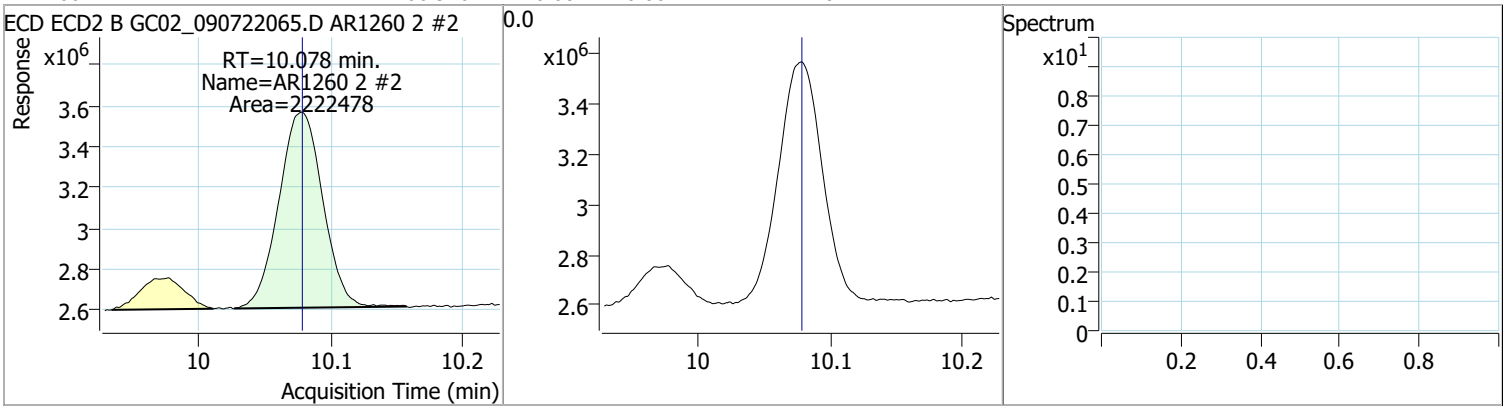
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	108.4987	9.72	0.00	2001161				



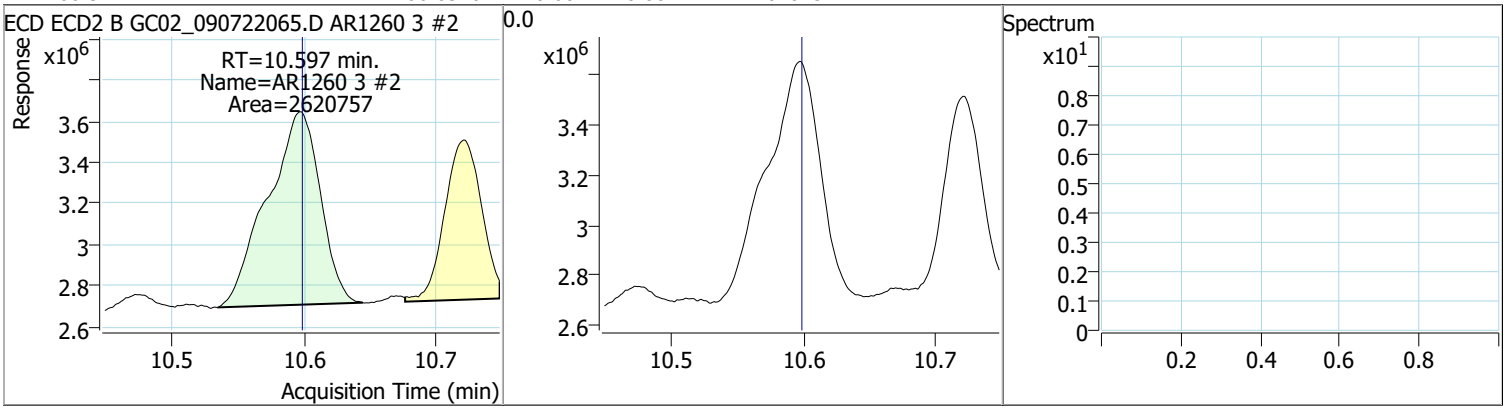
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	92.1083	10.03	0.00	24810371				



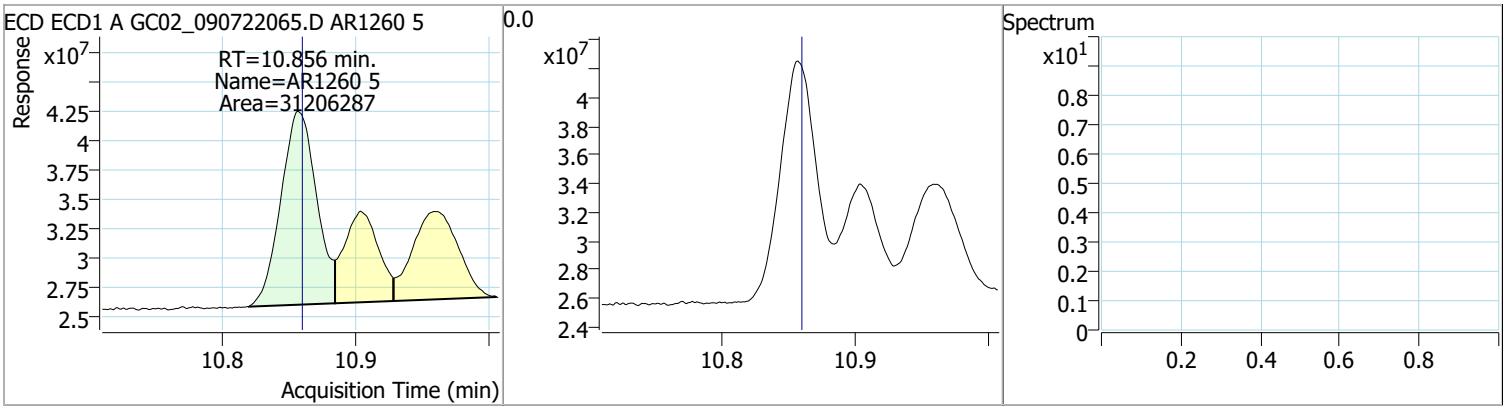
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	106.9464	10.08	0.00	2222478				



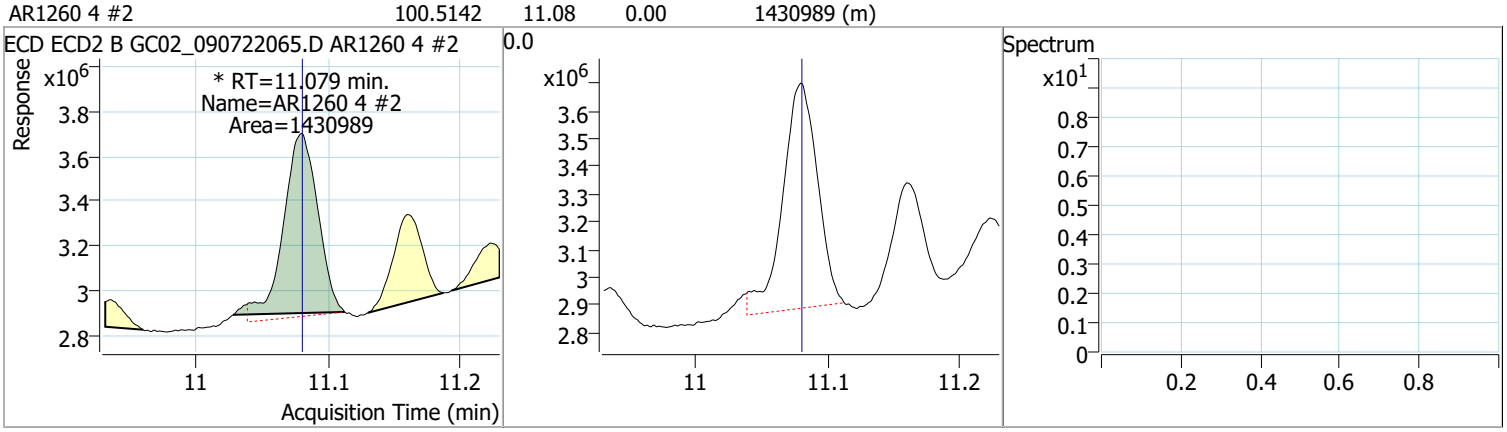
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	106.0310	10.60	0.00	2620757				



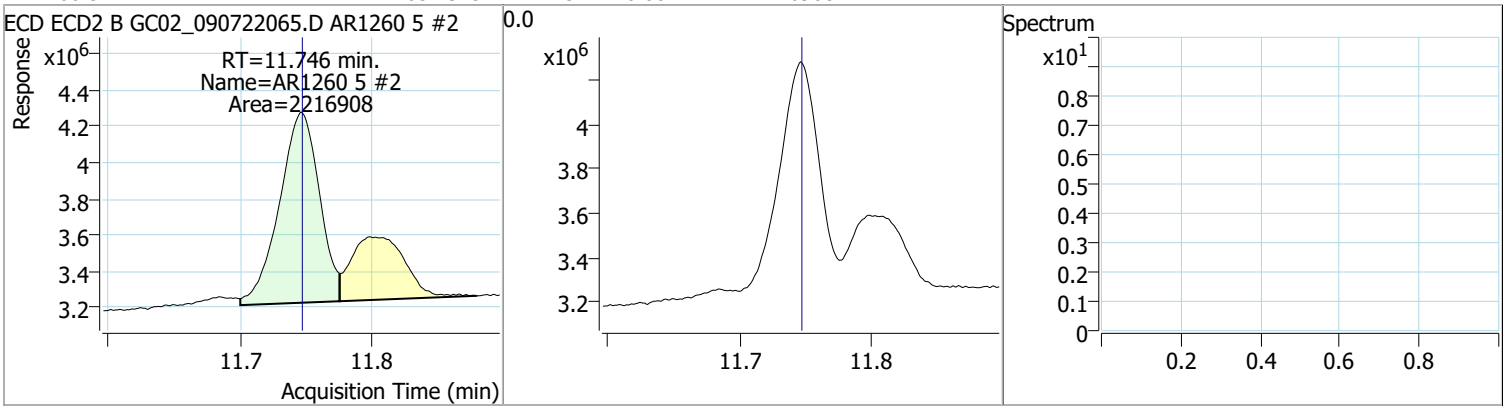
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	88.5964	10.86	0.00	31206287				



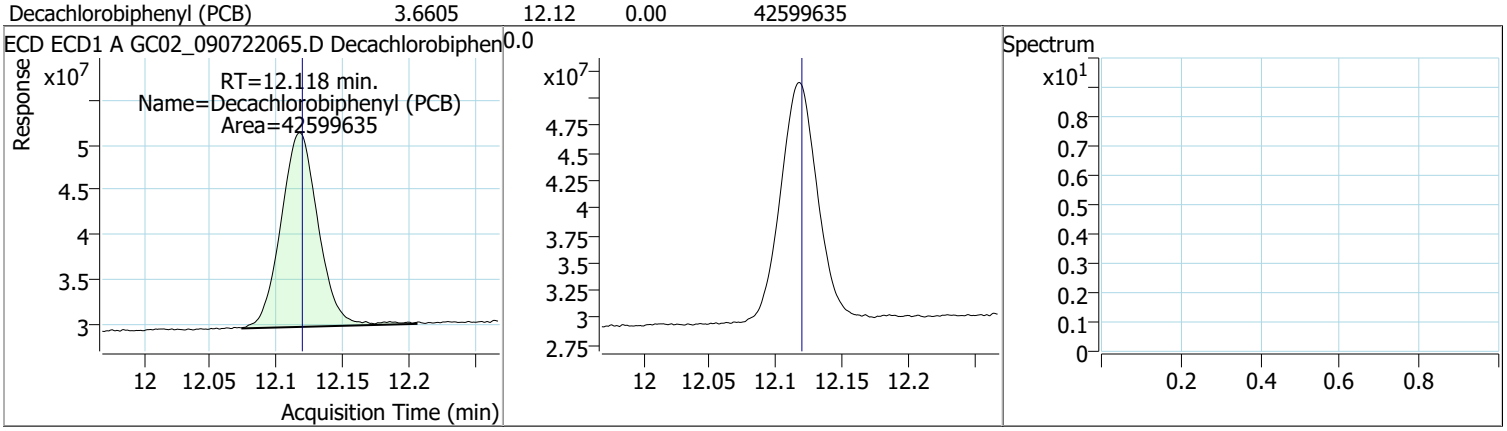
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	100.5142	11.08	0.00	1430989 (m)				



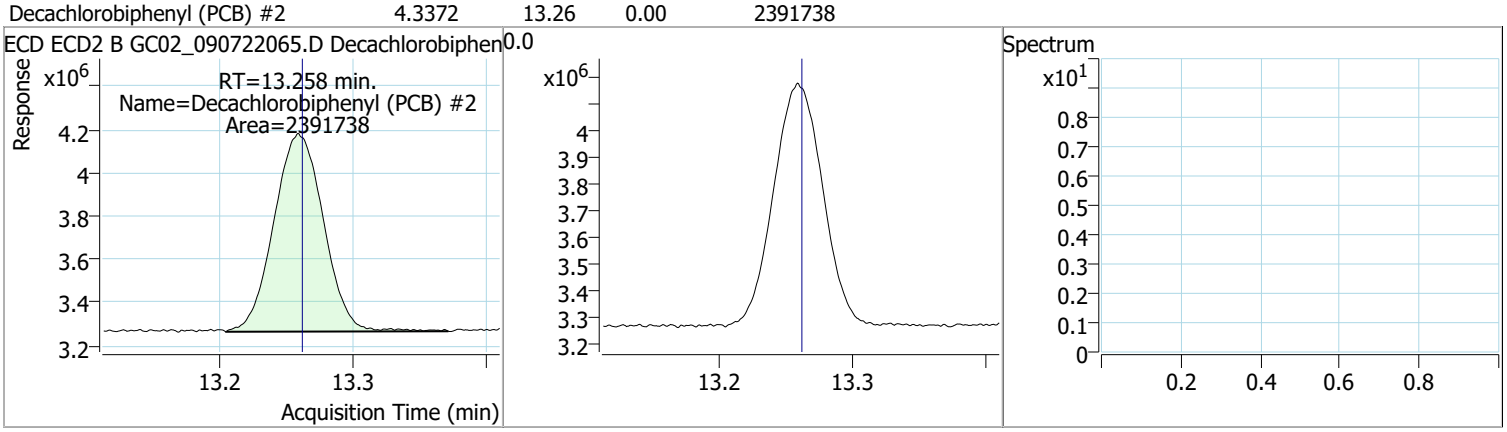
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	105.2315	11.75	0.00	2216908				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	3.6605	12.12	0.00	42599635				

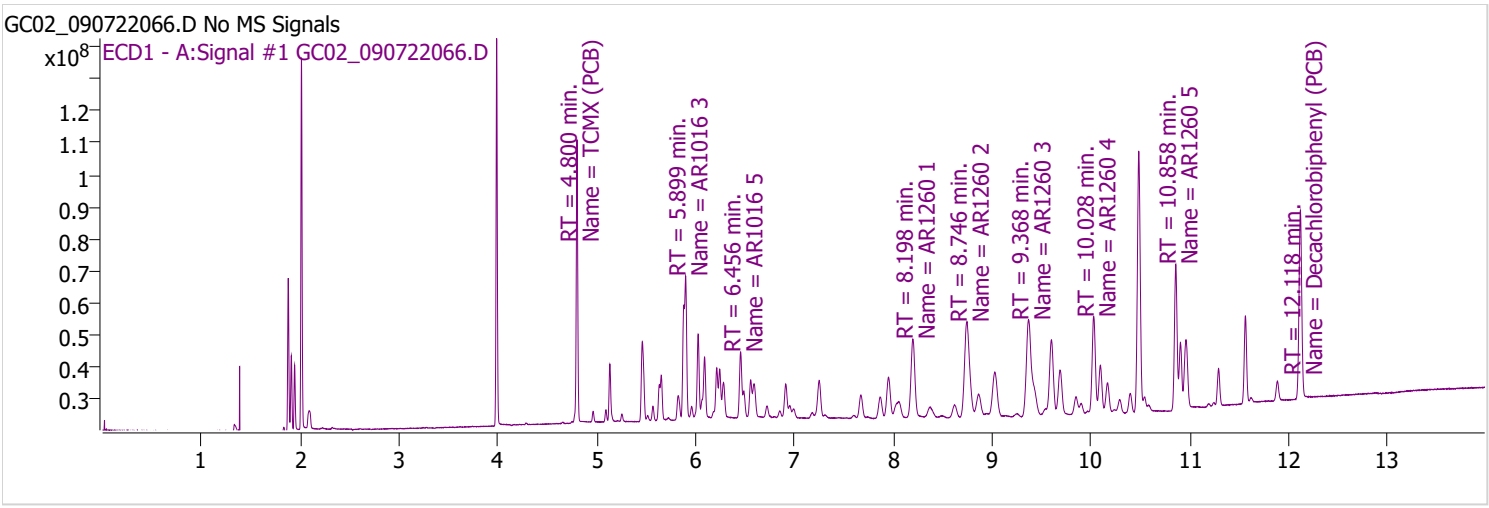


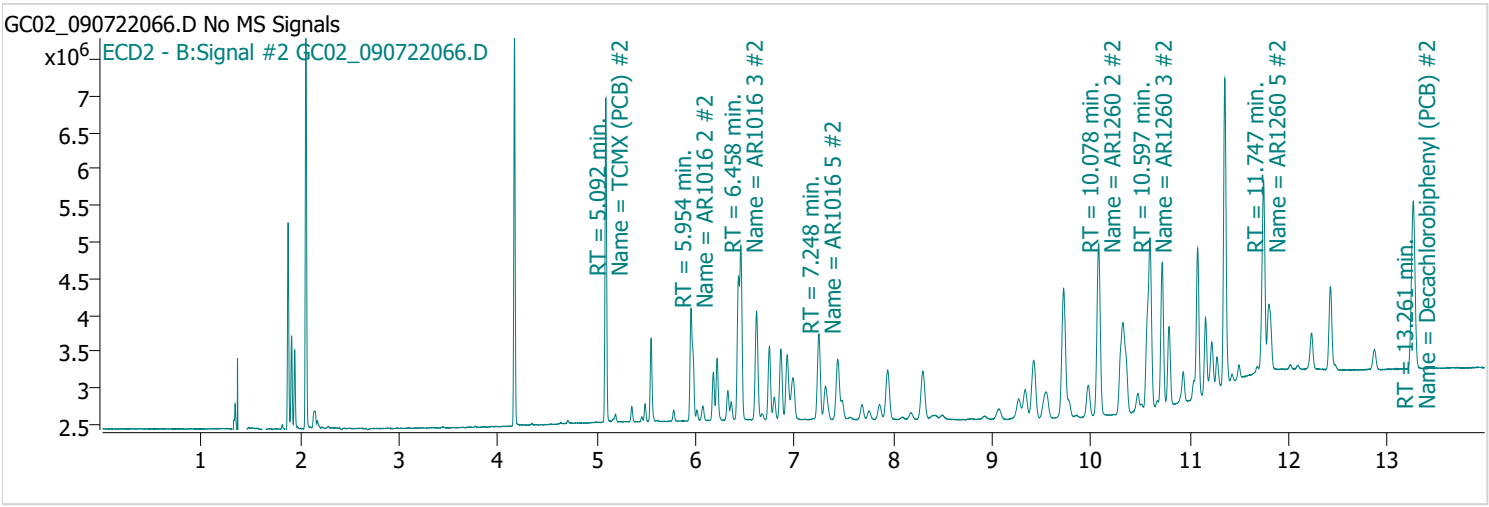
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.3372	13.26	0.00	2391738				



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			



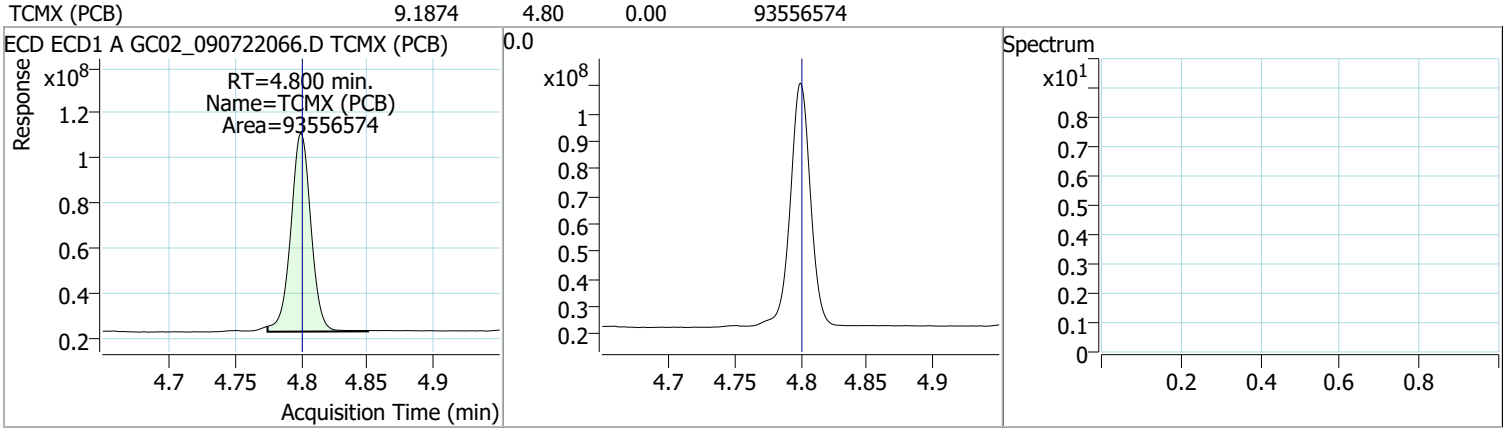


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.988	0.0	107639456.091	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.168	0.0	4948375.311	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.800	0.0	93556574.074	9.1874	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

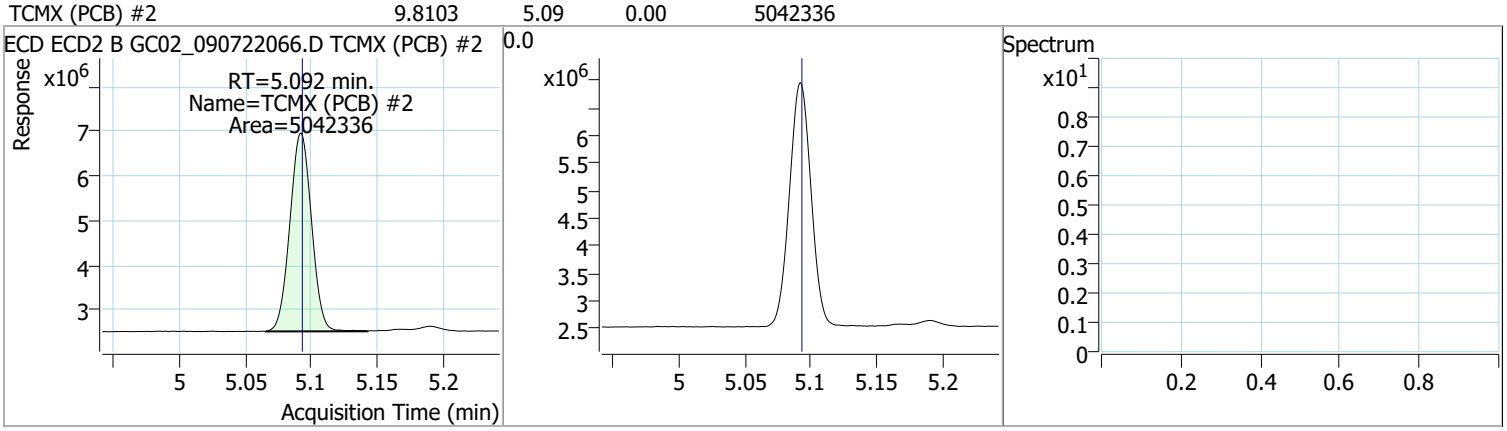
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.132	0.0	22544187.331	238.1383	ng/ml		100
T AR1016 2	5.461	0.0	43950188.386	240.4853	ng/ml		100
T AR1016 1 #2	5.550	0.0	1501577.853	240.1528	ng/ml		100
T AR1016 3	5.899	0.0	63881556.026	231.9365	ng/ml	m	100
T AR1016 2 #2	5.954	0.0	3215487.572	254.7064	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

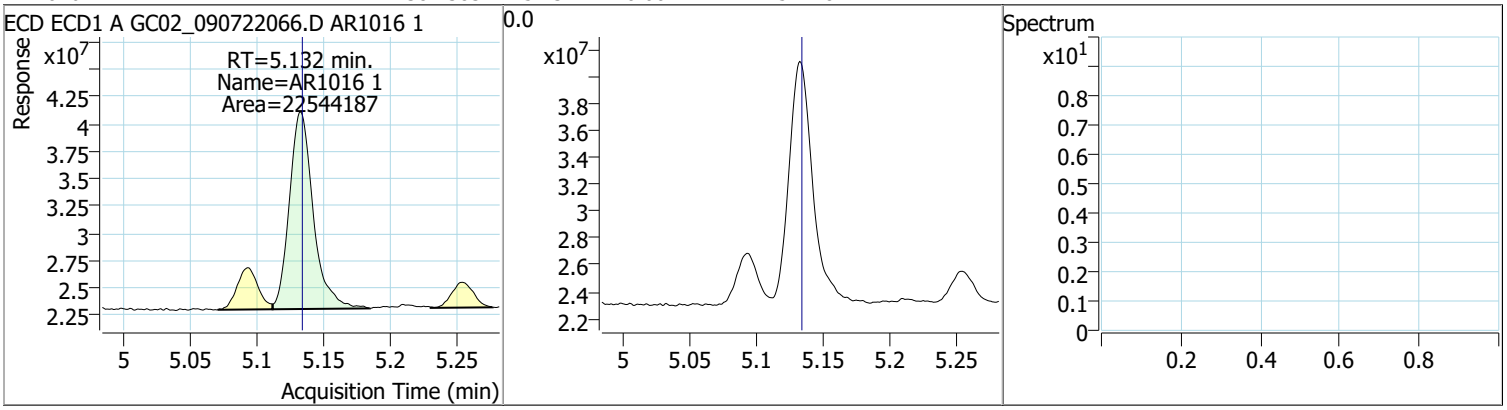
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	9.1874	4.80	0.00	93556574				



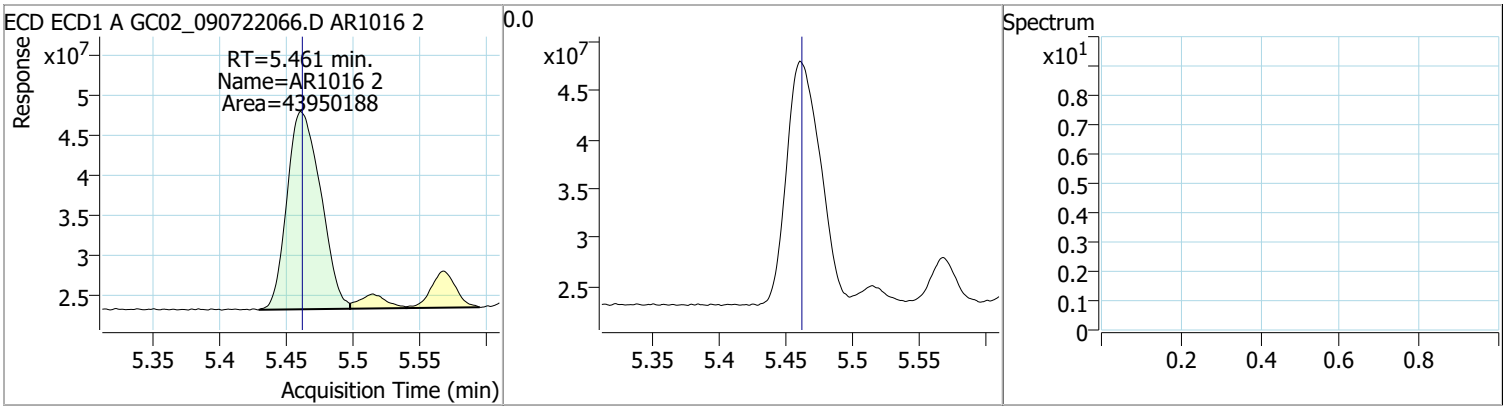
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	9.8103	5.09	0.00	5042336				



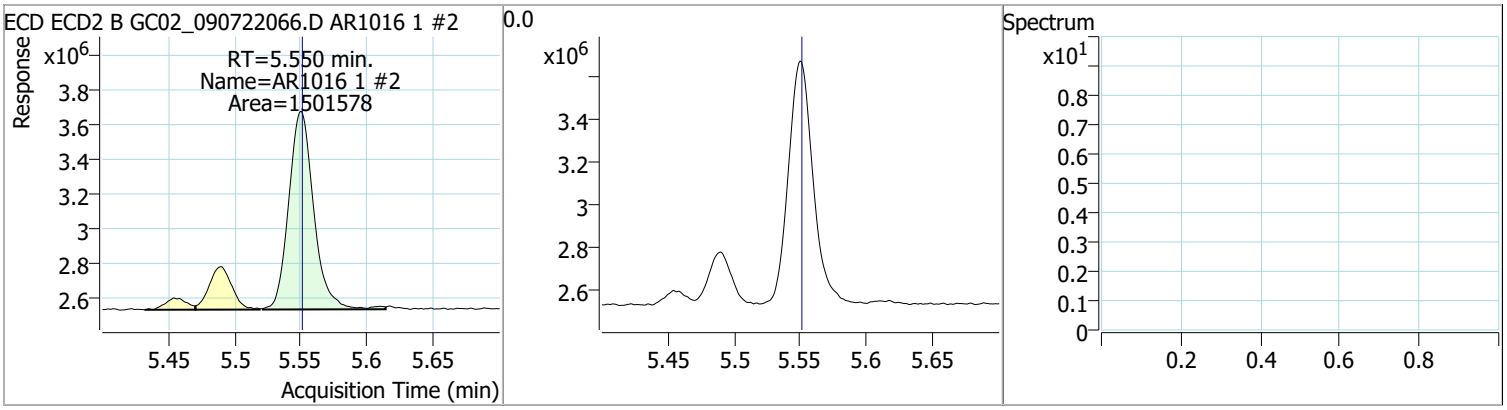
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	238.1383	5.13	0.00	22544187				



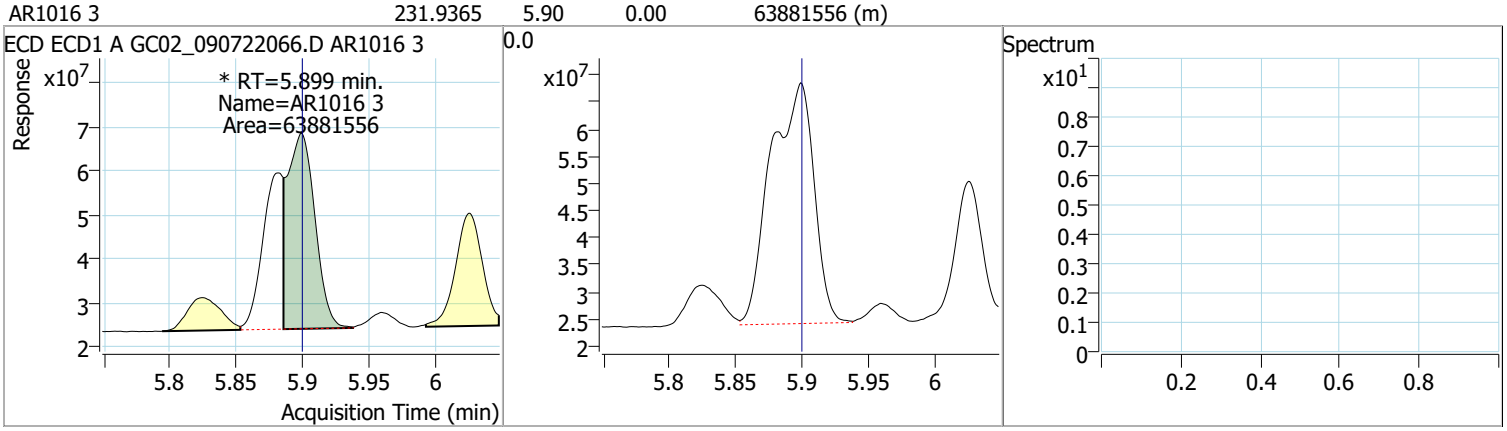
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	240.4853	5.46	0.00	43950188				



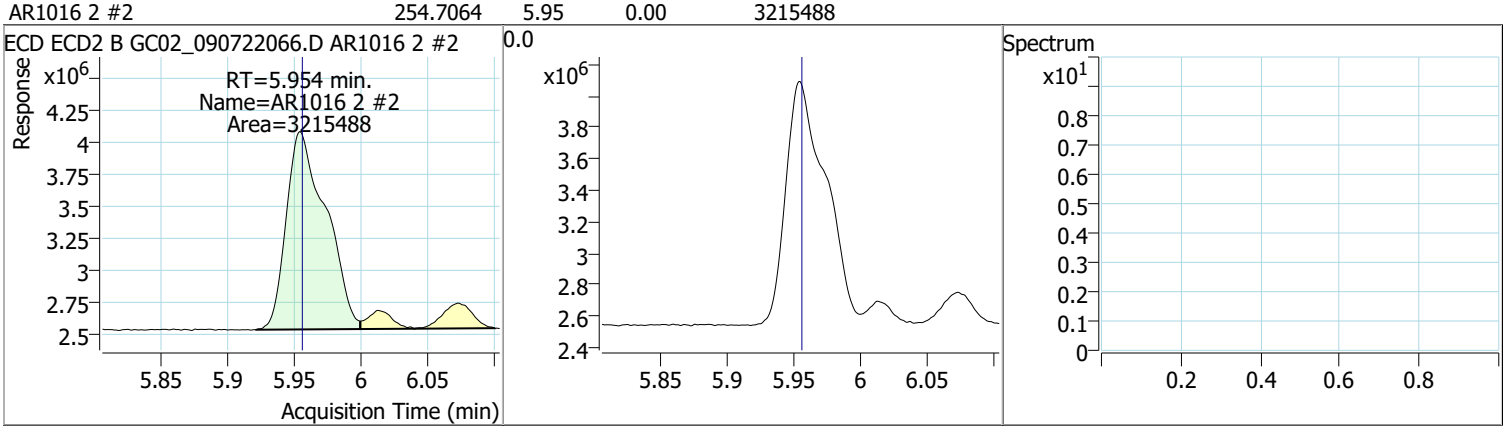
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	240.1528	5.55	0.00	1501578				



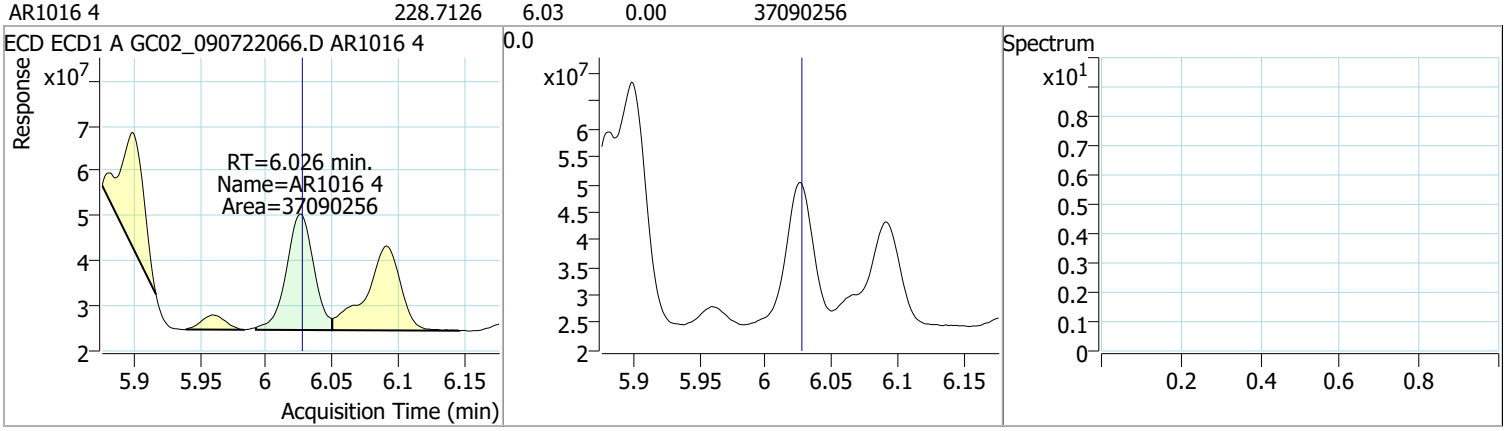
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	231.9365	5.90	0.00	63881556 (m)				



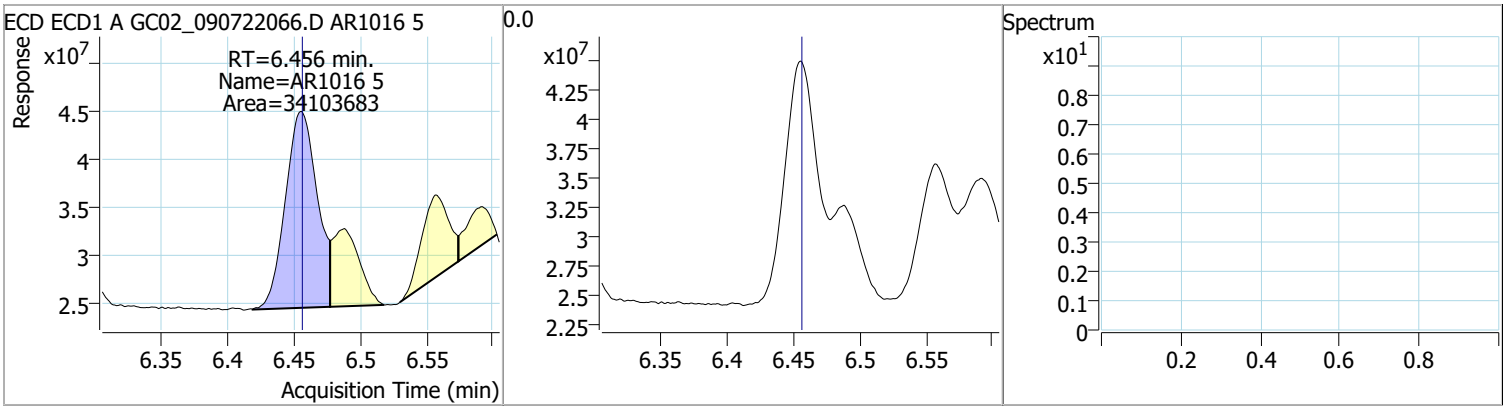
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	254.7064	5.95	0.00	3215488				



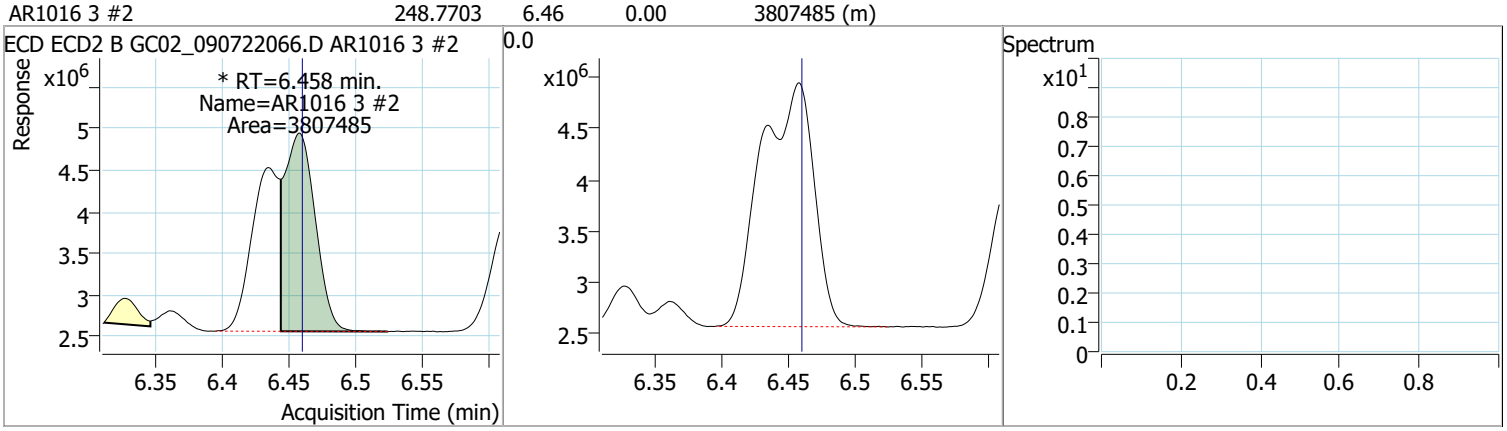
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	228.7126	6.03	0.00	37090256				



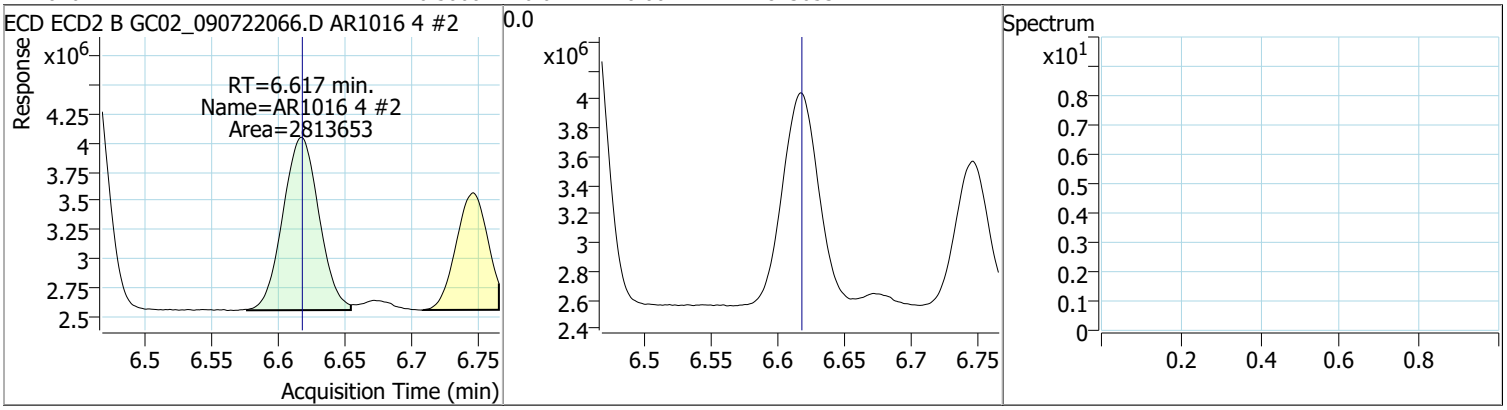
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	228.3317	6.46	0.00	34103683				



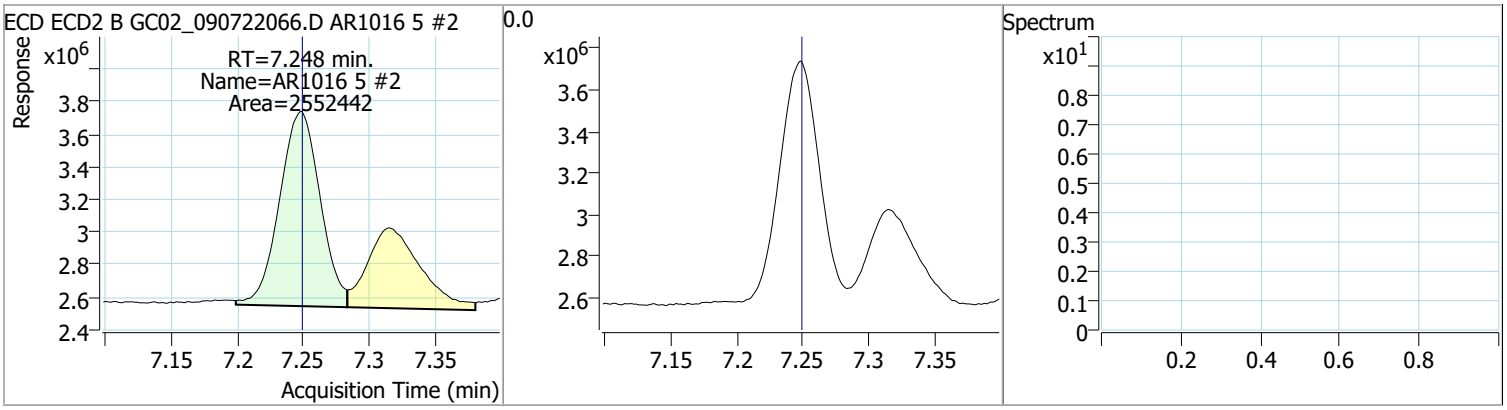
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	248.7703	6.46	0.00	3807485 (m)				



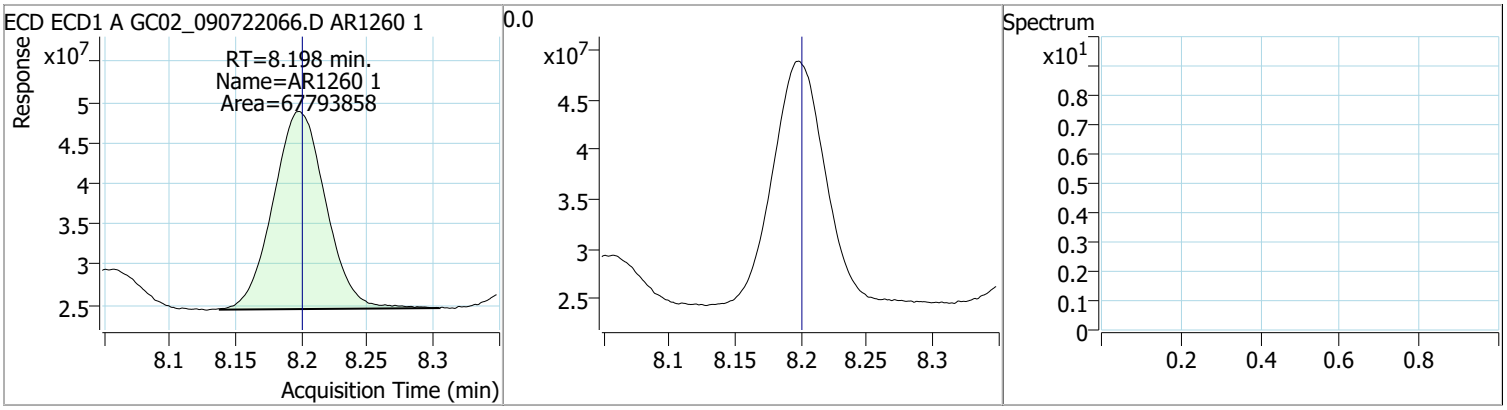
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	246.5060	6.62	0.00	2813653				



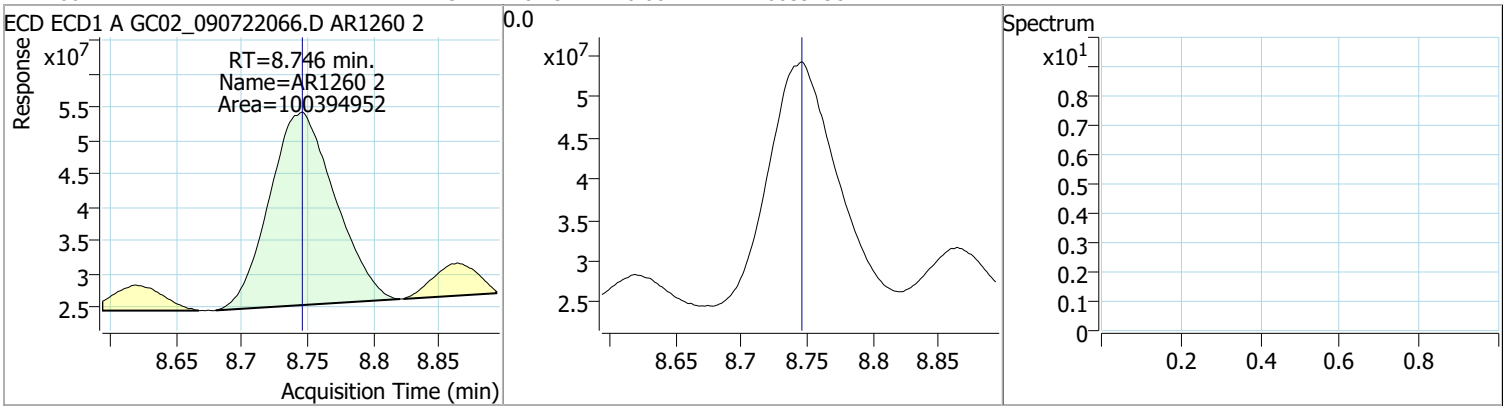
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	262.3766	7.25	0.00	2552442				



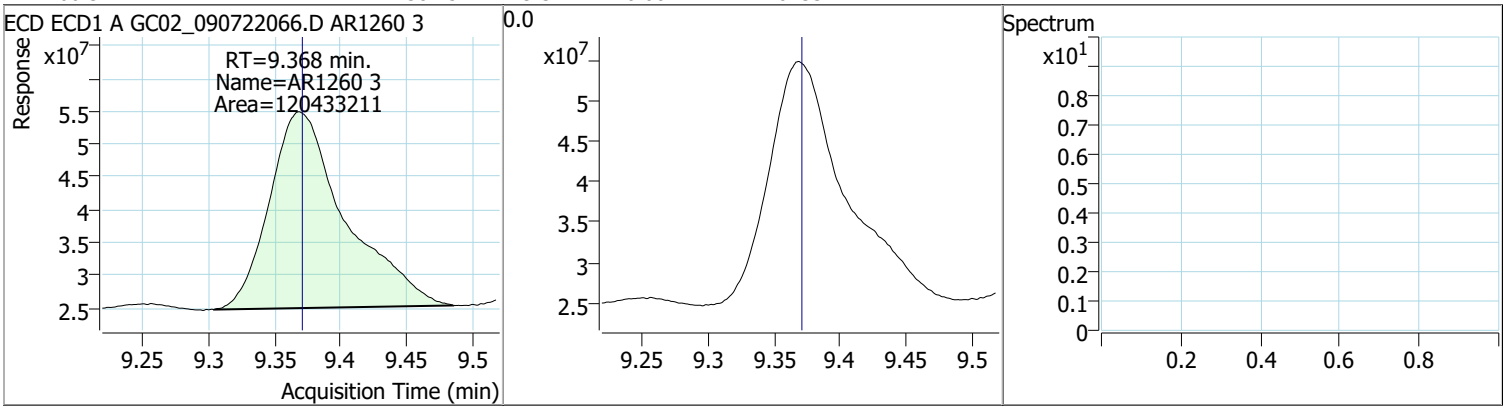
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	235.0682	8.20	0.00	67793858				



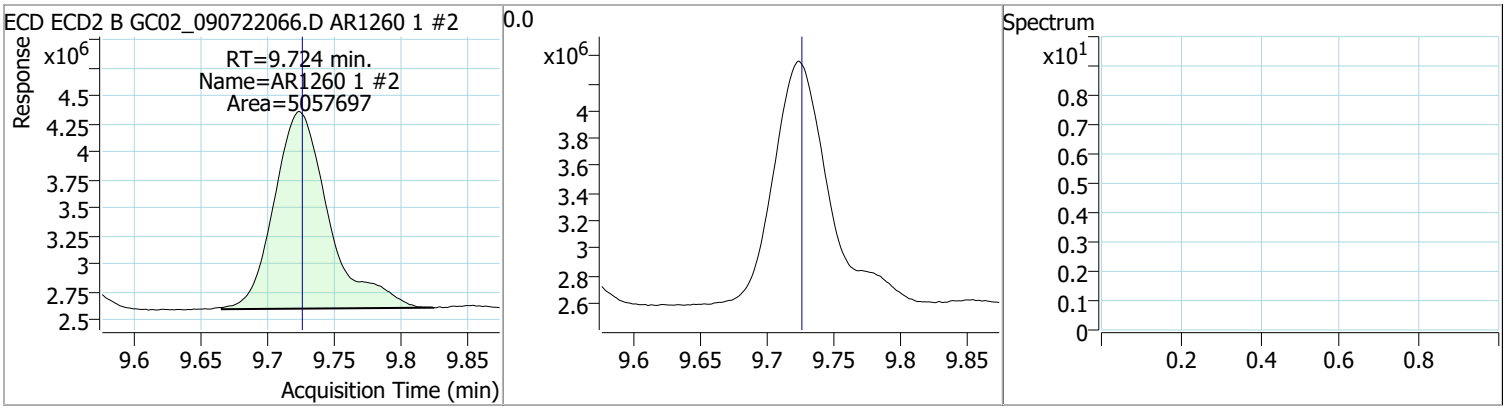
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	227.7317	8.75	0.00	100394952				



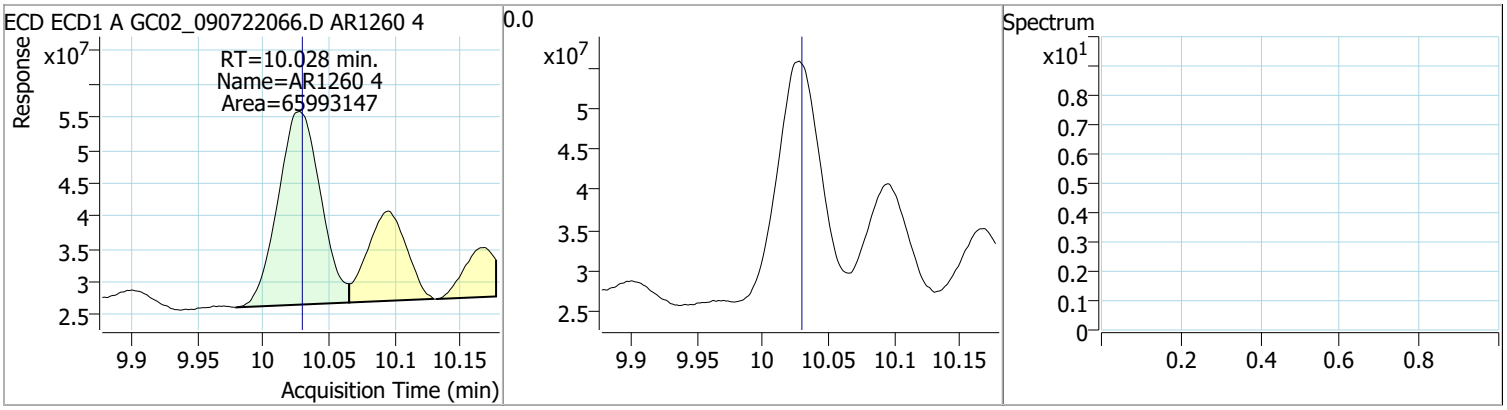
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	258.7517	9.37	0.00	120433211				



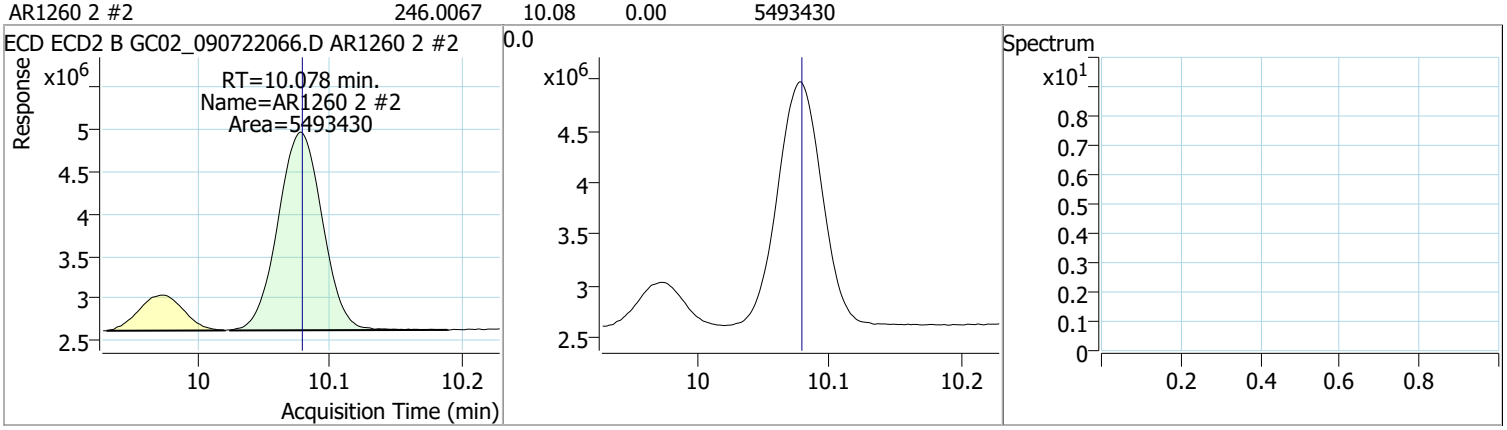
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	255.1937	9.72	0.00	5057697				



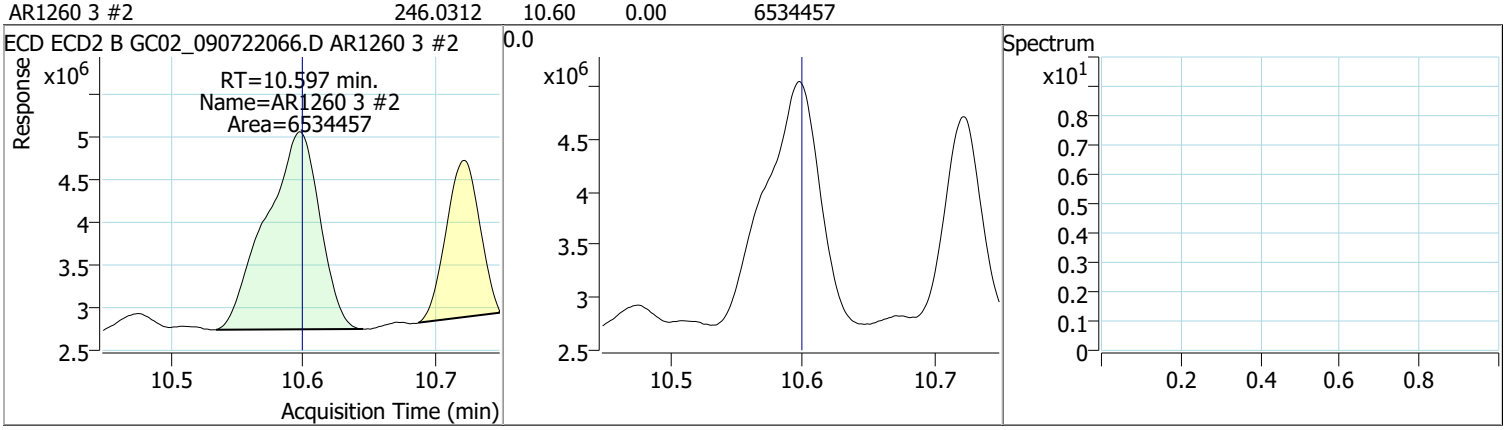
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	222.4549	10.03	0.00	65993147				



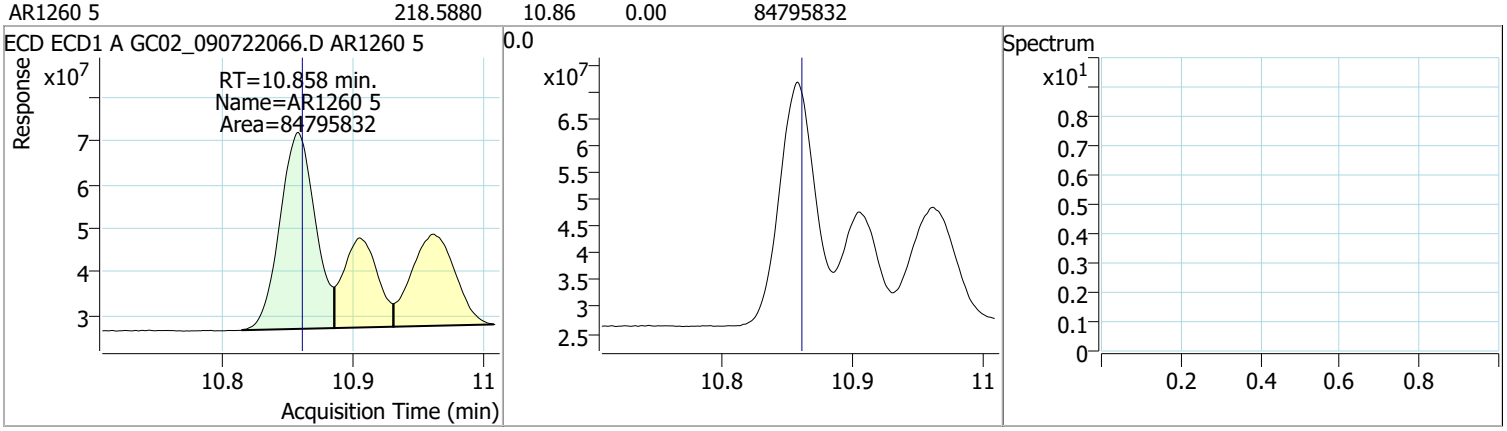
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	246.0067	10.08	0.00	5493430				



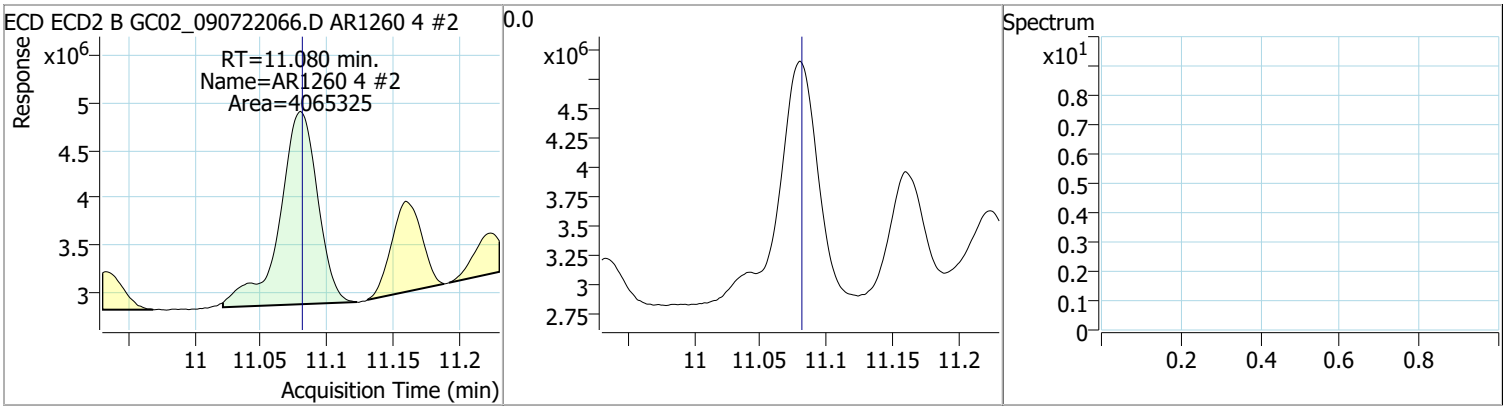
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	246.0312	10.60	0.00	6534457				



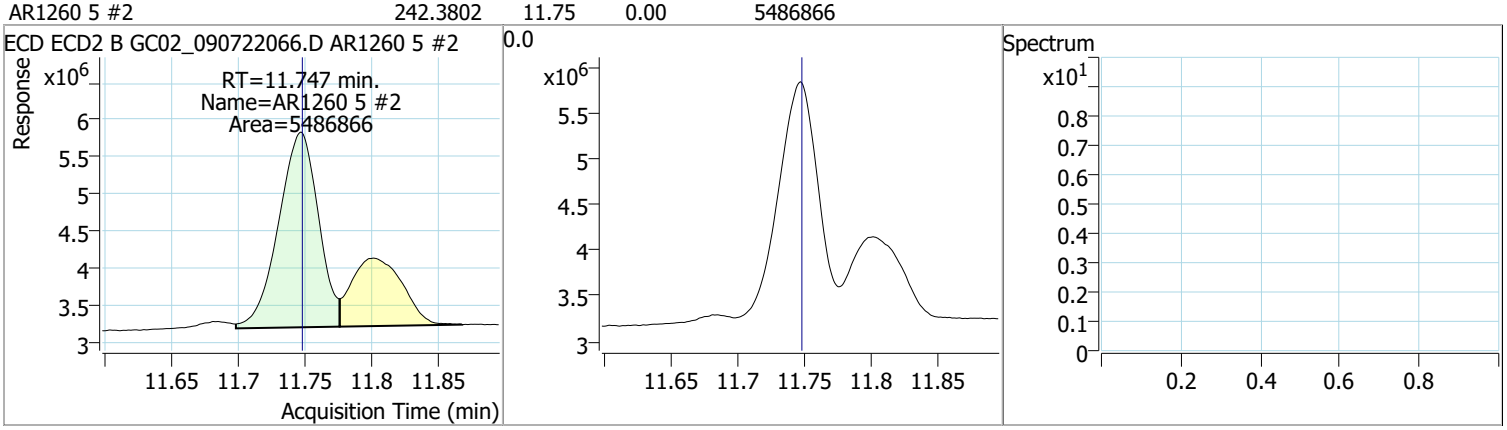
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	218.5880	10.86	0.00	84795832				



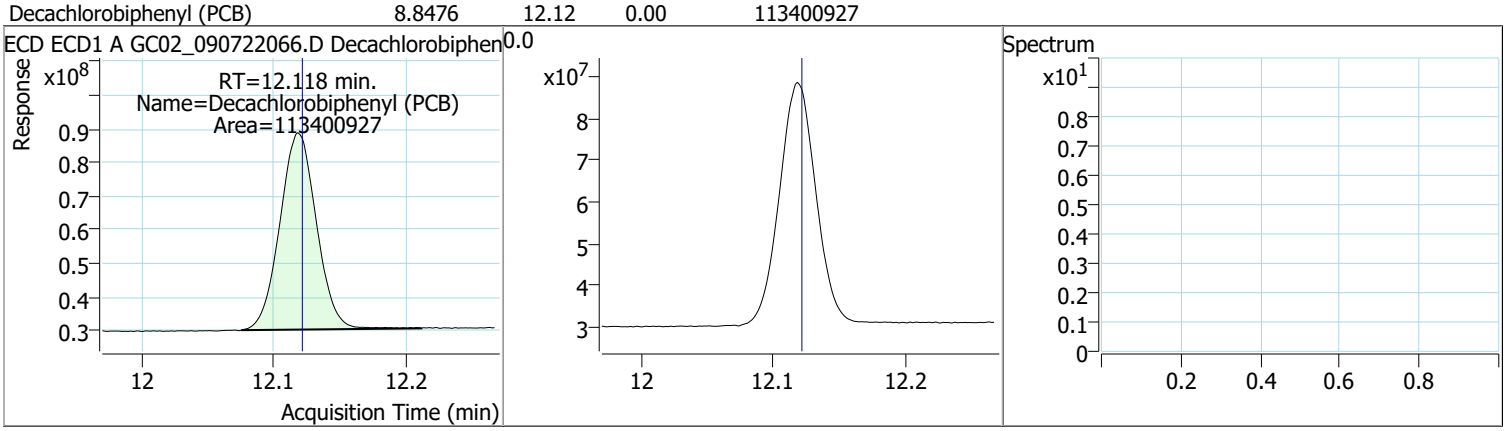
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	265.7425	11.08	0.00	4065325				



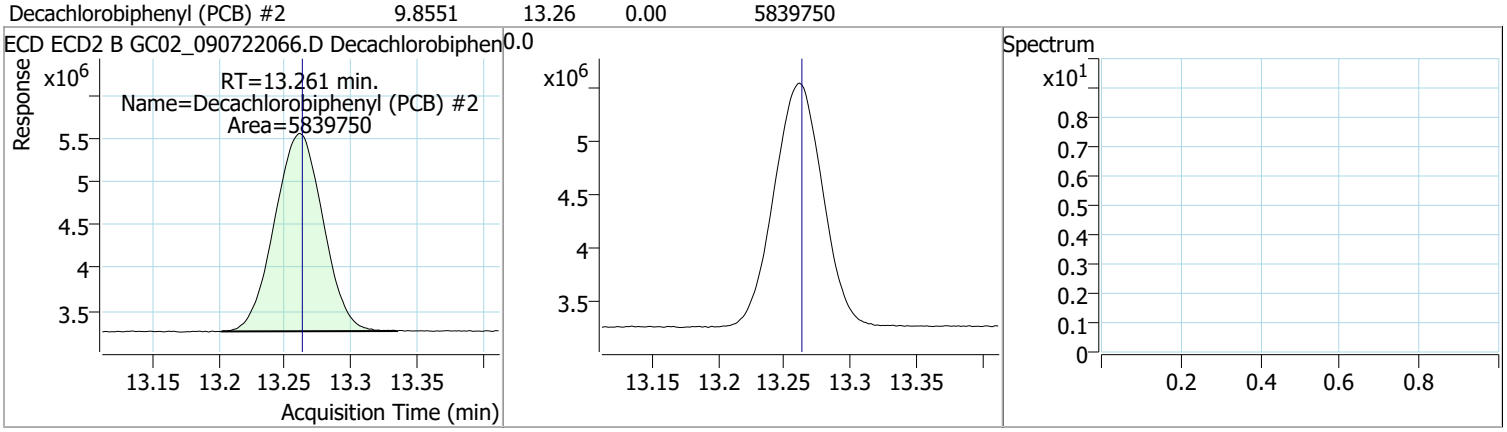
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	242.3802	11.75	0.00	5486866				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.8476	12.12	0.00	113400927				

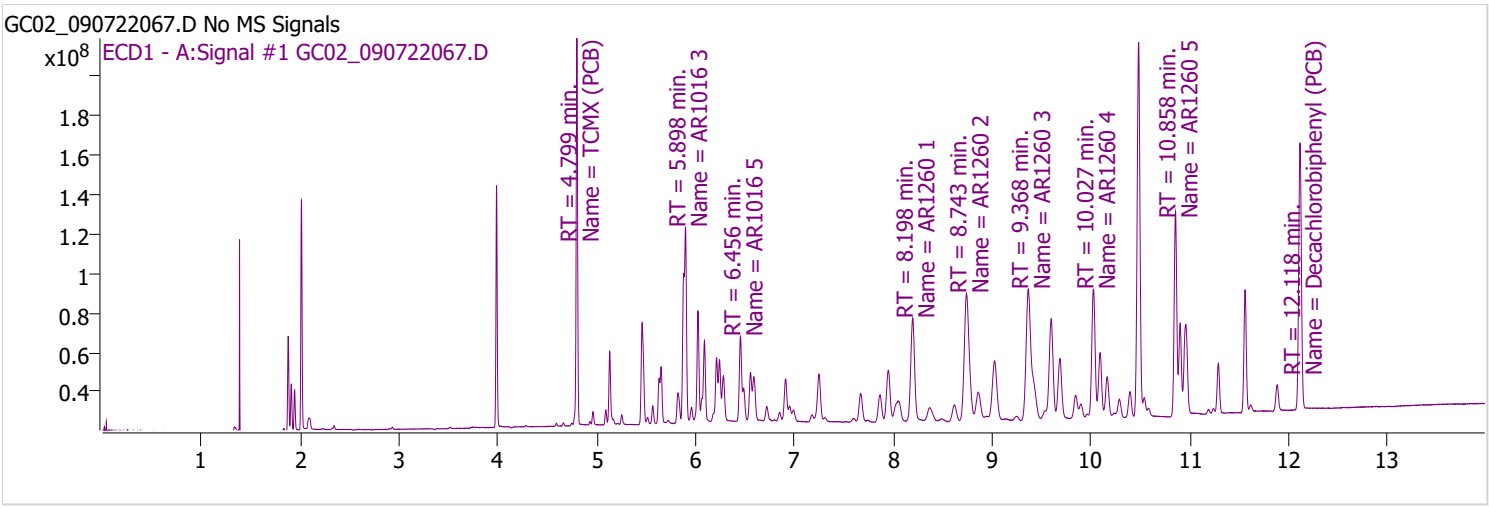


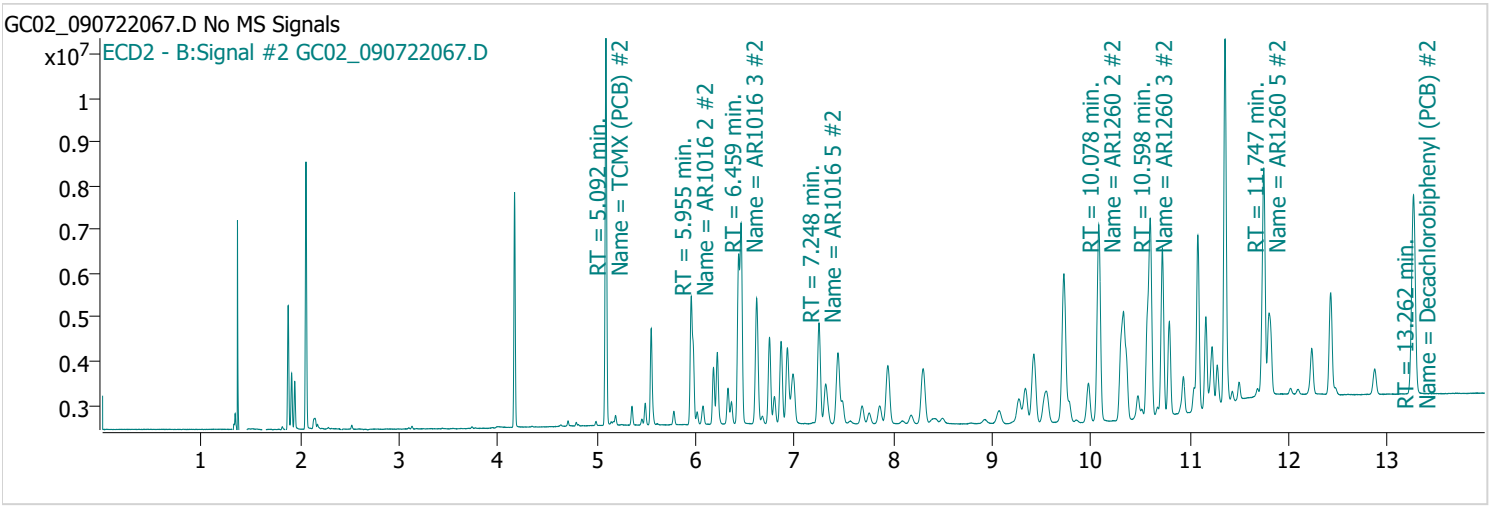
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.8551	13.26	0.00	5839750				



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			



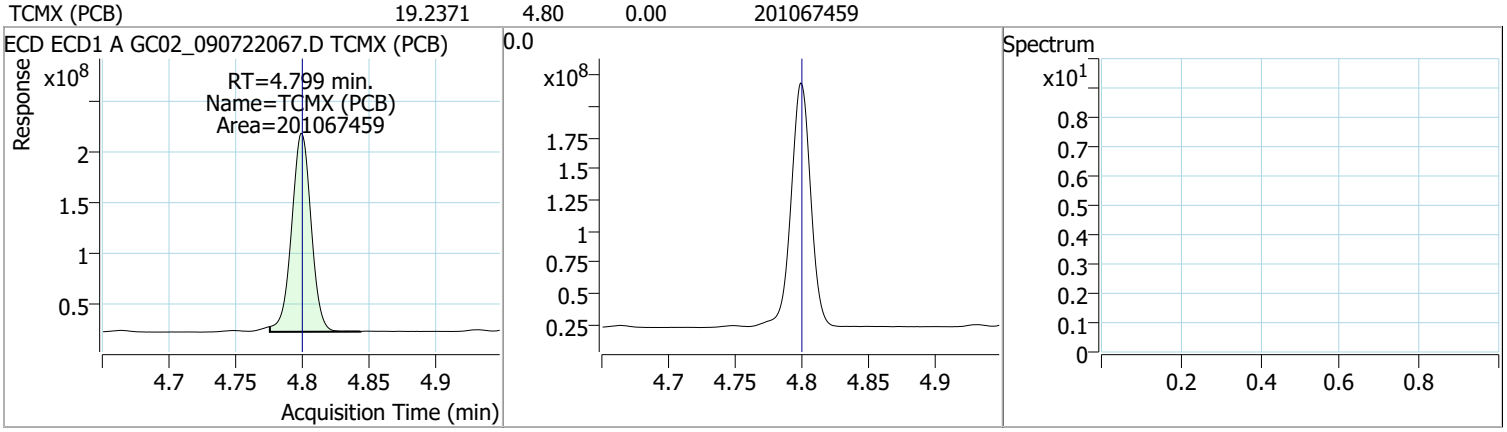


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	110482033.313	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.168	0.0	4991308.399	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.799	0.0	201067459.027	19.2371	ng/ml	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

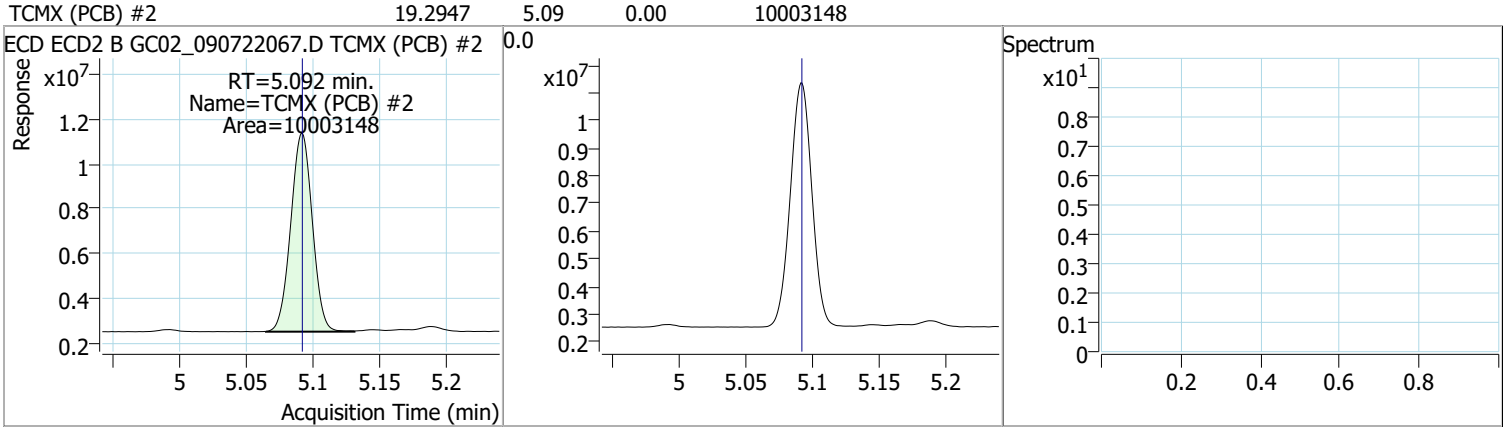
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.132	0.0	48464439.296	498.7669	ng/ml		100
T AR1016 2	5.460	0.0	87803574.121	468.0798	ng/ml		100
T AR1016 1 #2	5.550	0.0	3004911.281	476.4526	ng/ml		100
T AR1016 3	5.898	0.0	134793039.236	476.8050	ng/ml	m	100
T AR1016 2 #2	5.955	0.0	6194238.197	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

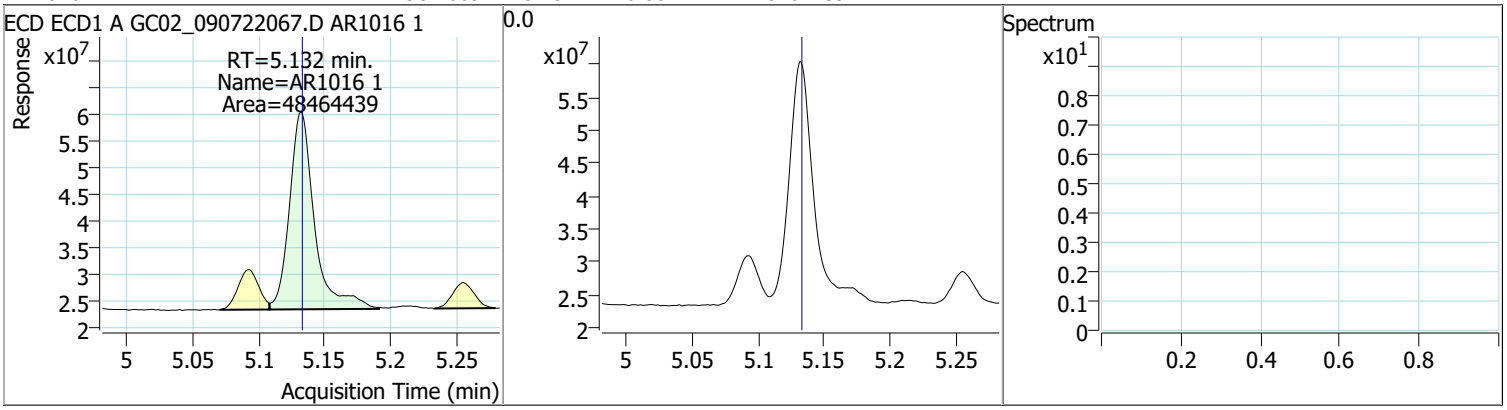
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.2371	4.80	0.00	201067459				



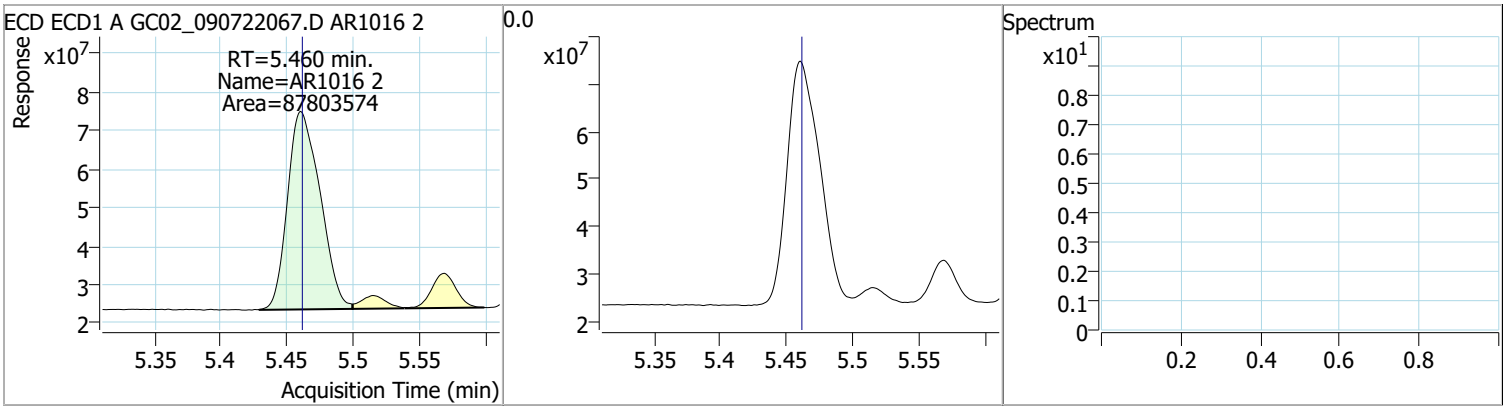
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.2947	5.09	0.00	10003148				



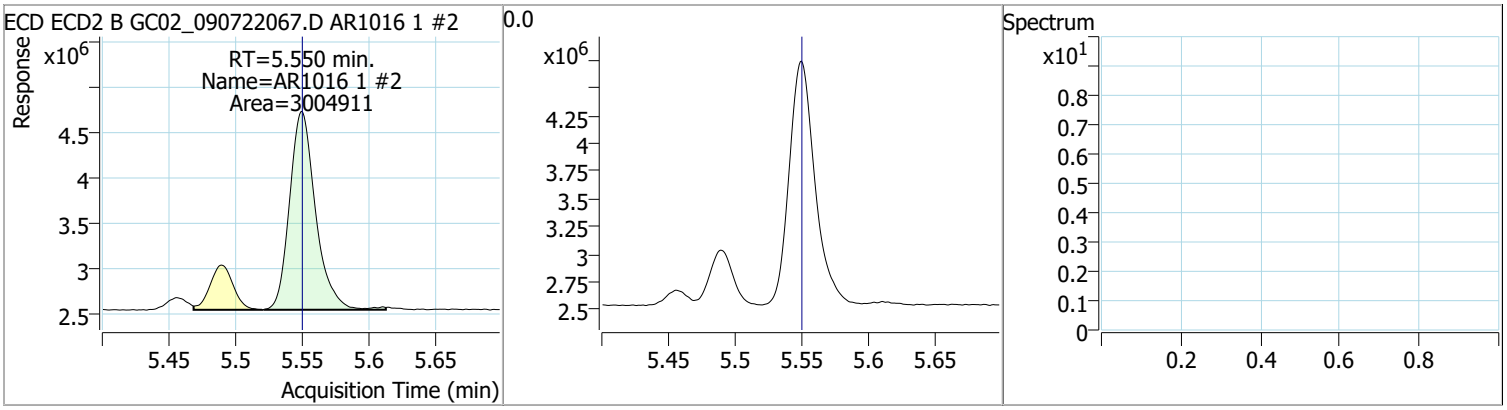
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	498.7669	5.13	0.00	48464439				



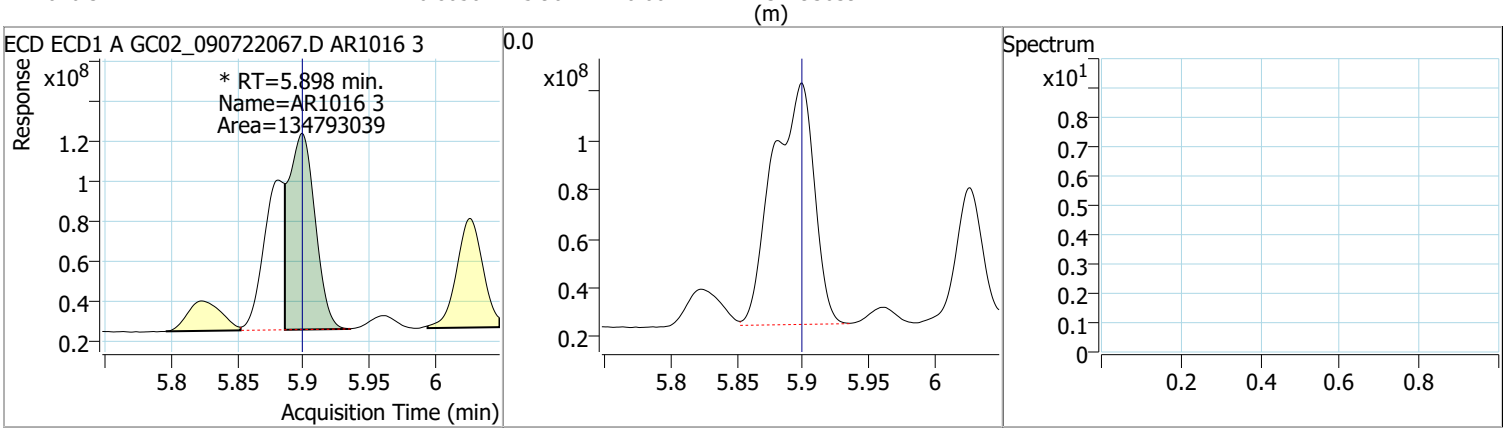
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	468.0798	5.46	0.00	87803574				



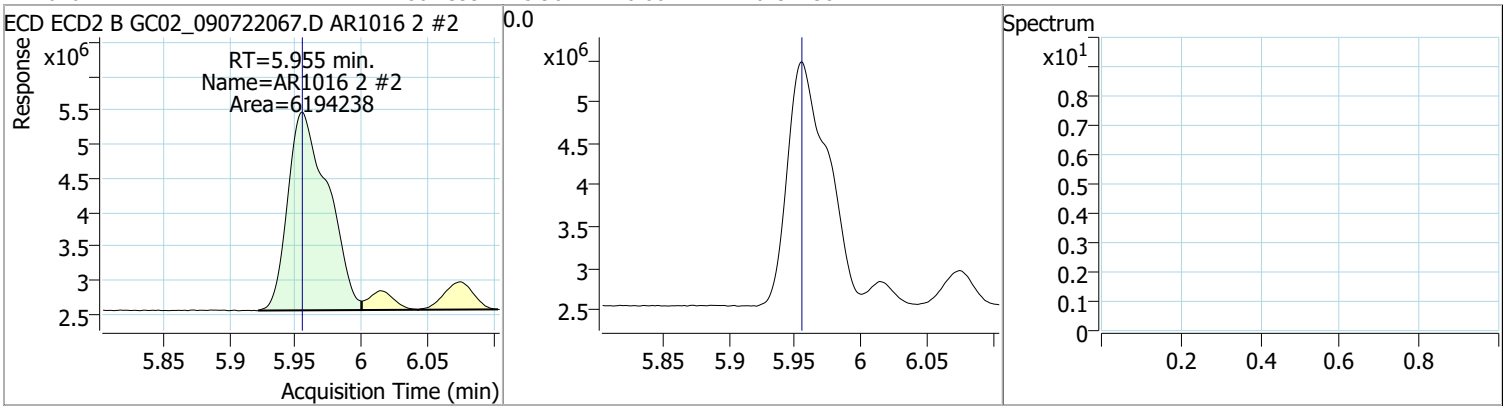
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	476.4526	5.55	0.00	3004911				



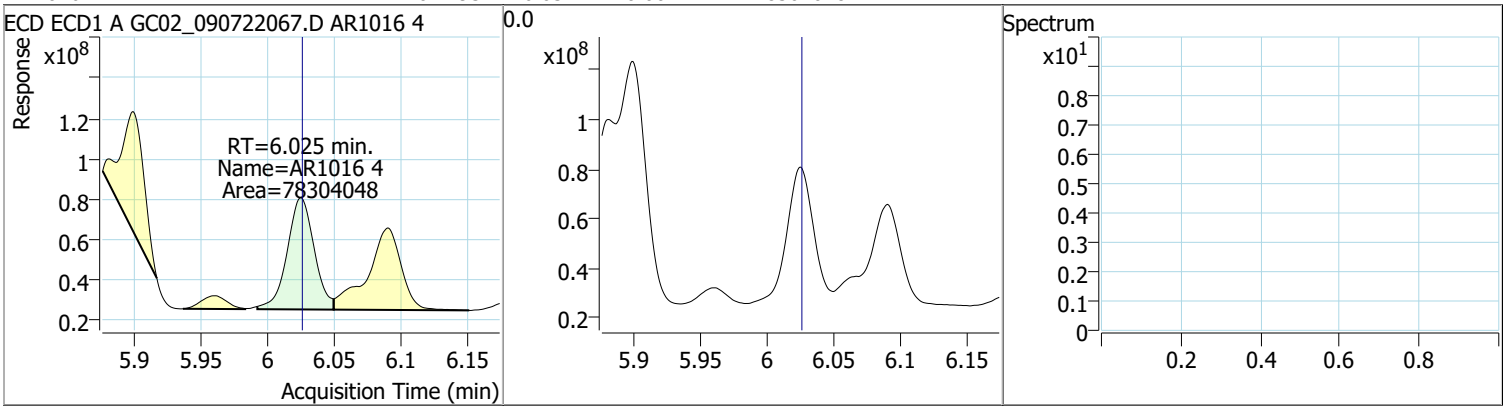
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	476.8050	5.90	0.00	134793039 (m)				



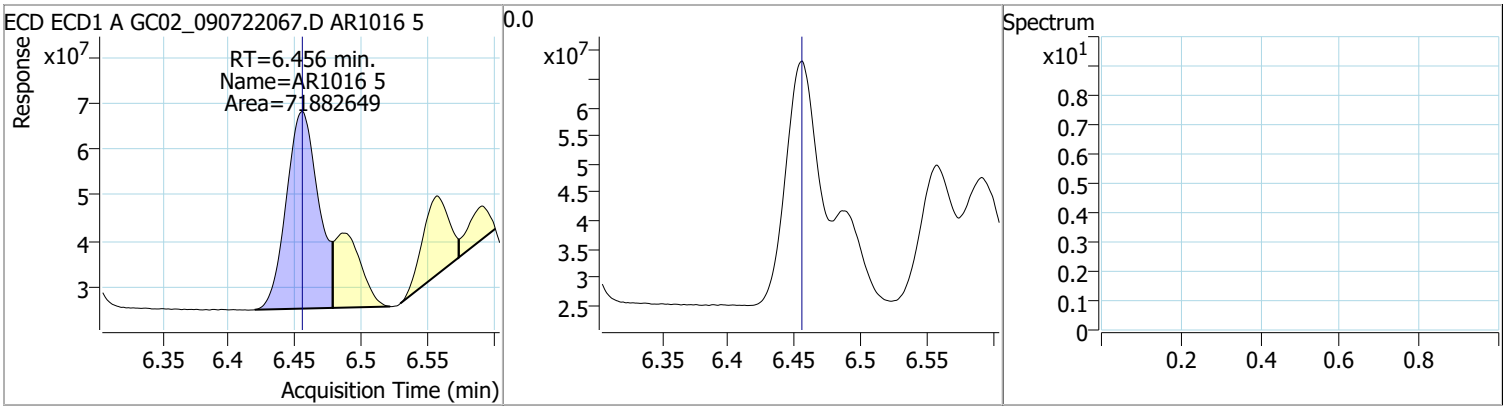
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	486.4399	5.96	0.00	6194238				



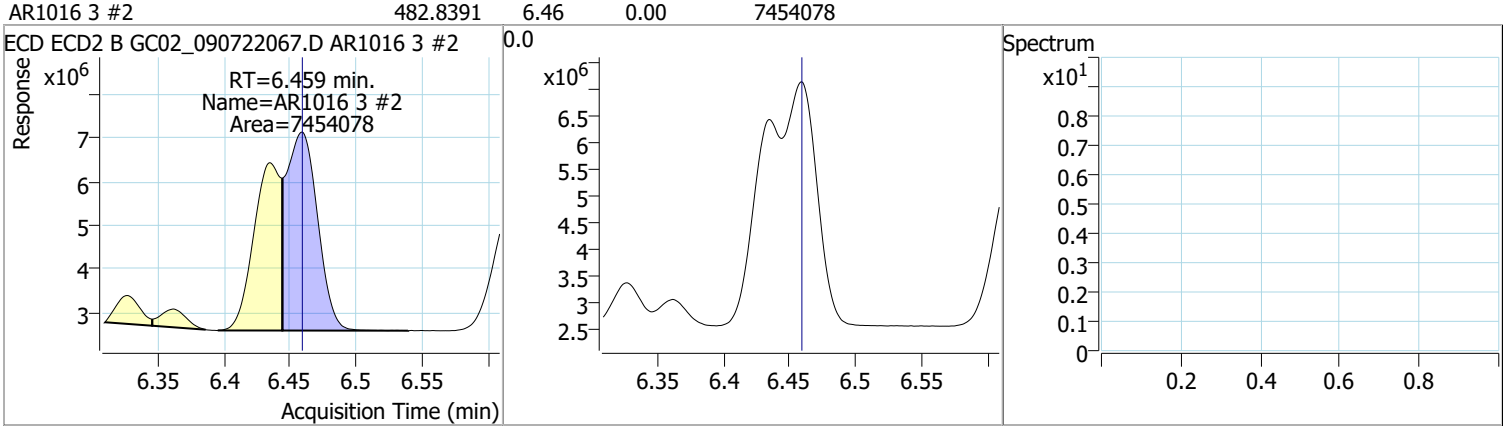
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	470.4293	6.03	0.00	78304048				



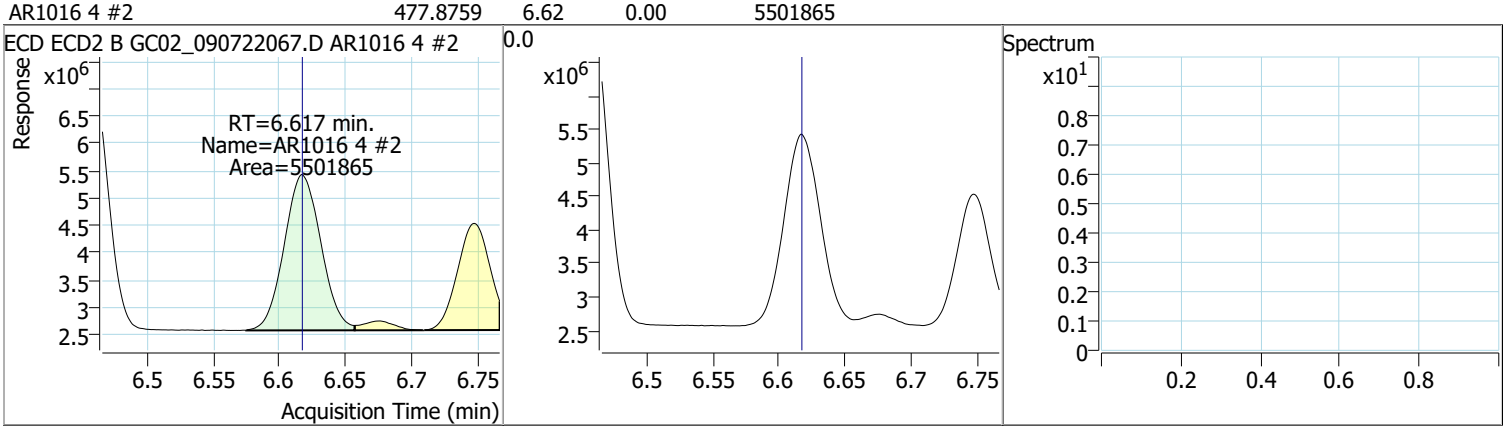
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	468.8876	6.46	0.00	71882649				



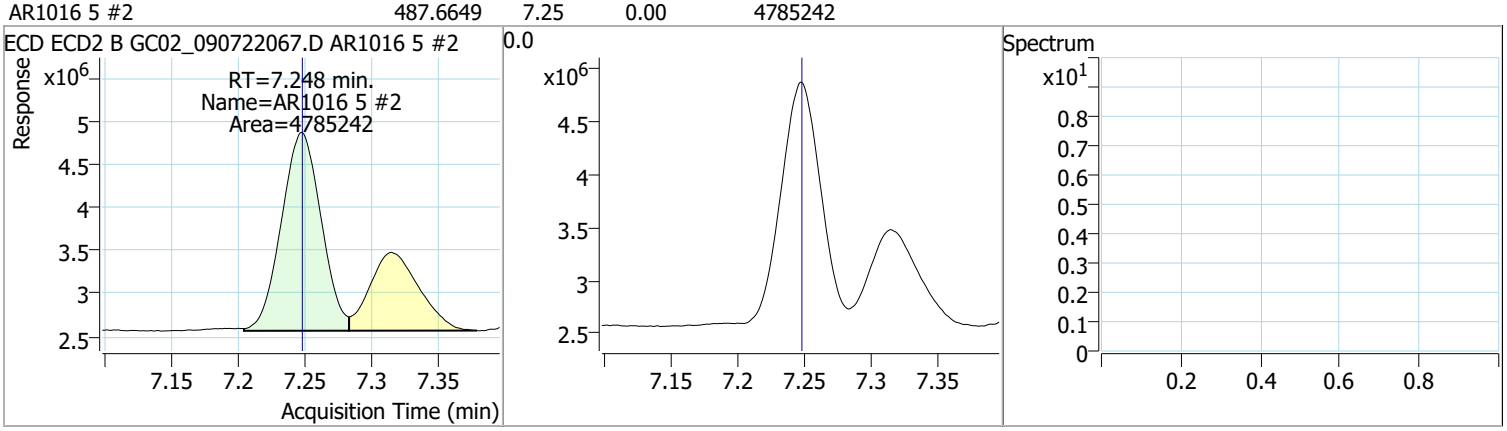
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	482.8391	6.46	0.00	7454078				



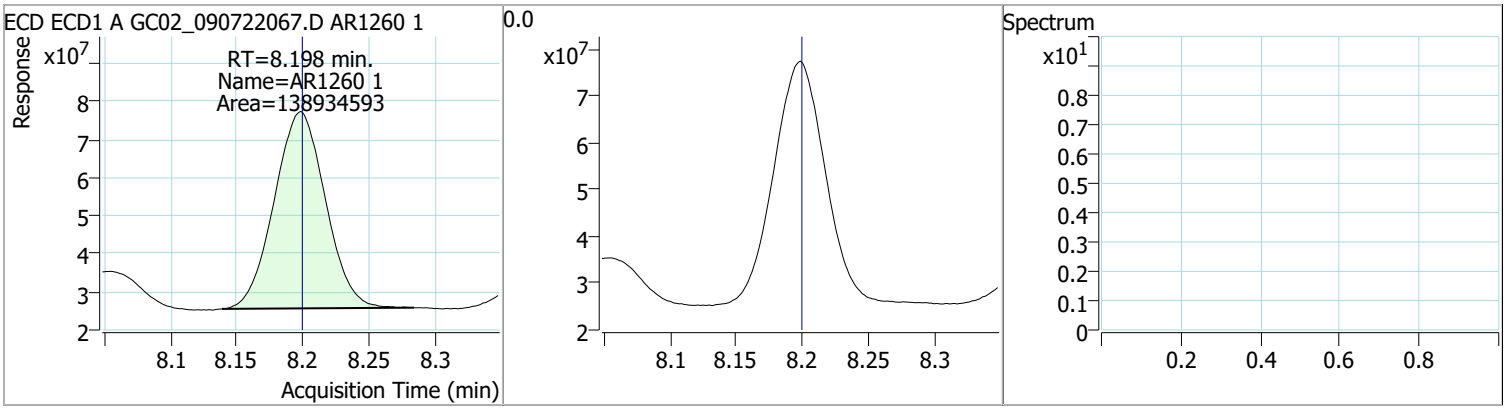
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AR1016 4 #2	477.8759	6.62	0.00	5501865				



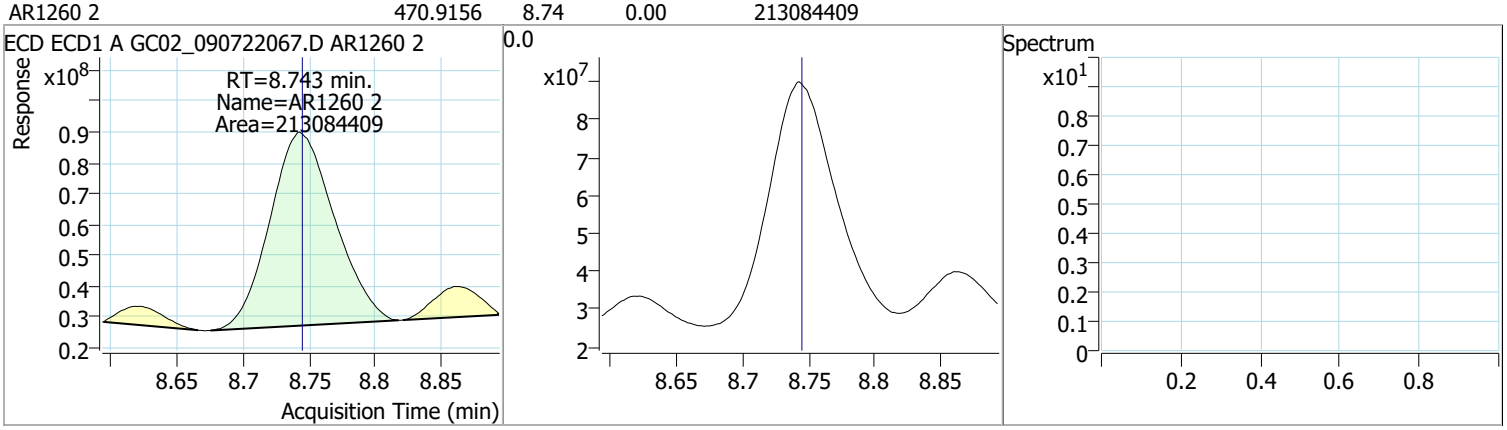
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	487.6649	7.25	0.00	4785242				



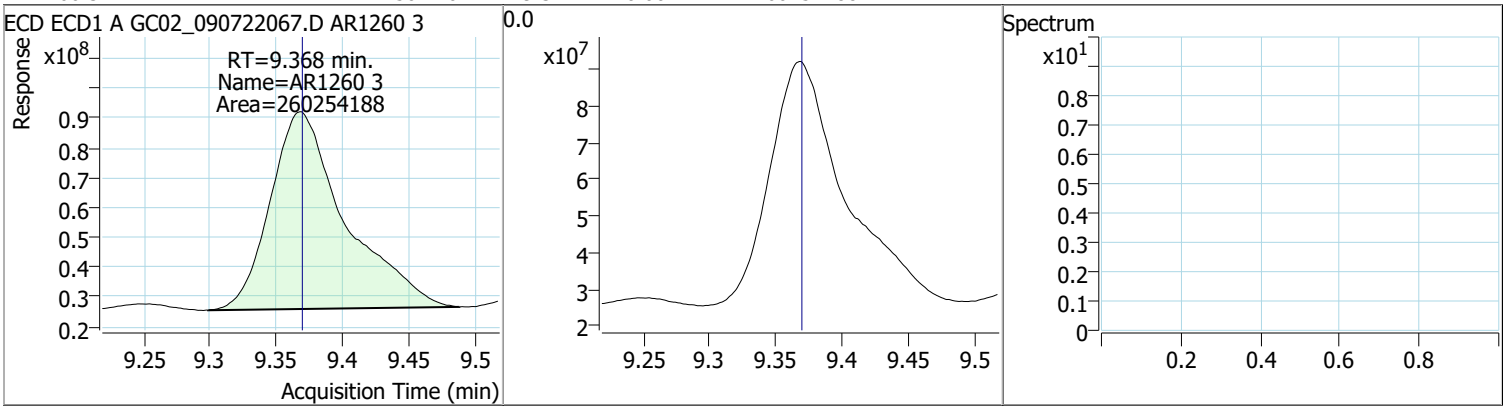
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	469.3467	8.20	0.00	138934593				



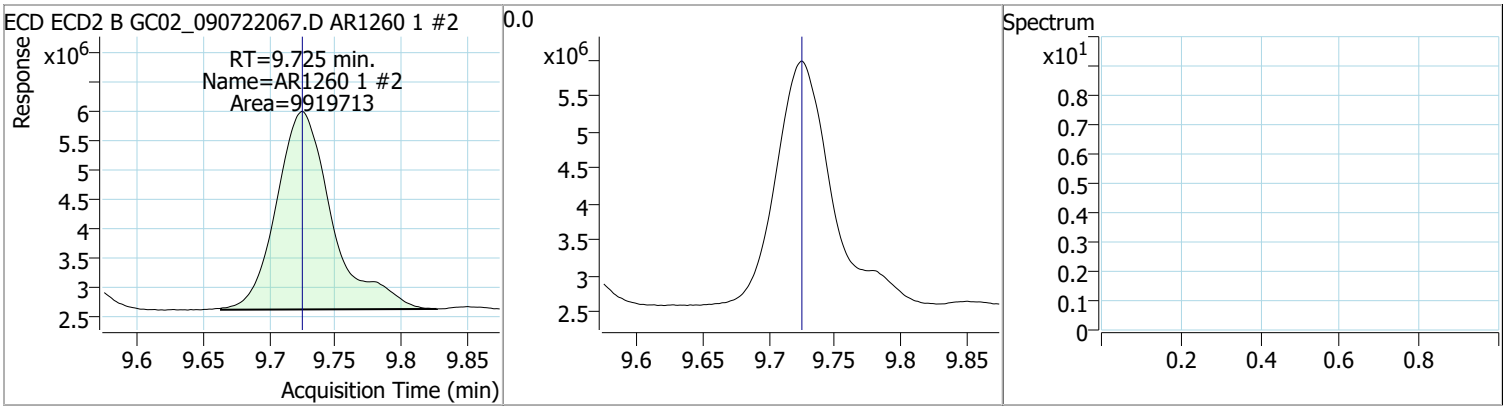
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	470.9156	8.74	0.00	213084409				



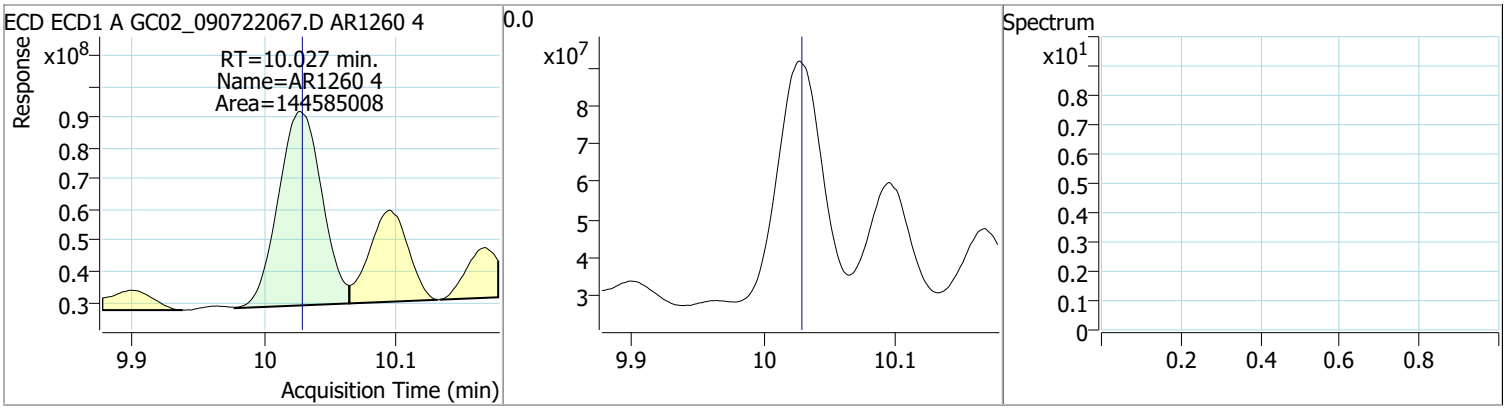
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	504.1044	9.37	0.00	260254188				



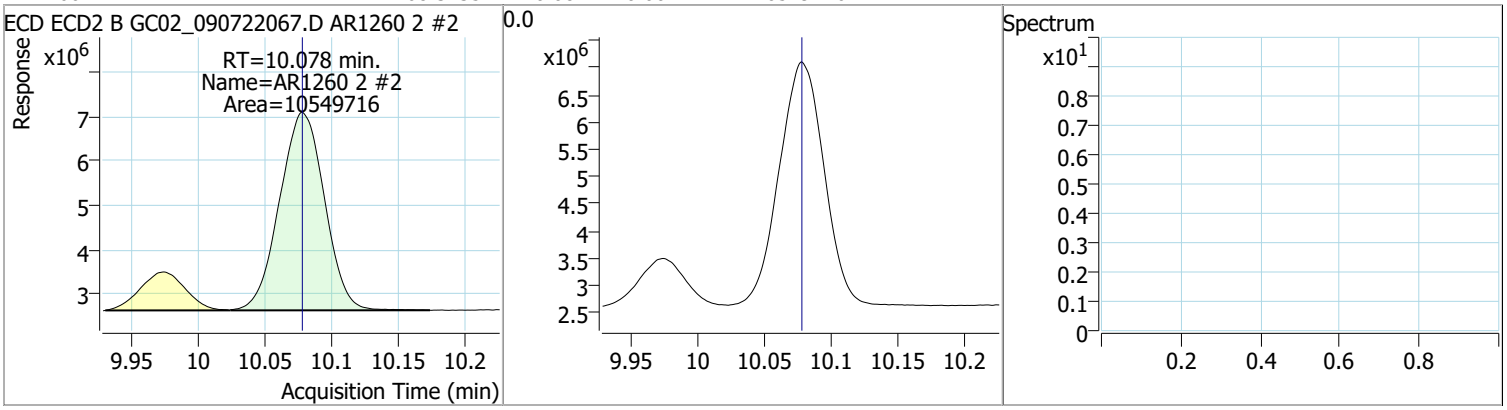
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	496.2088	9.73	0.00	9919713				



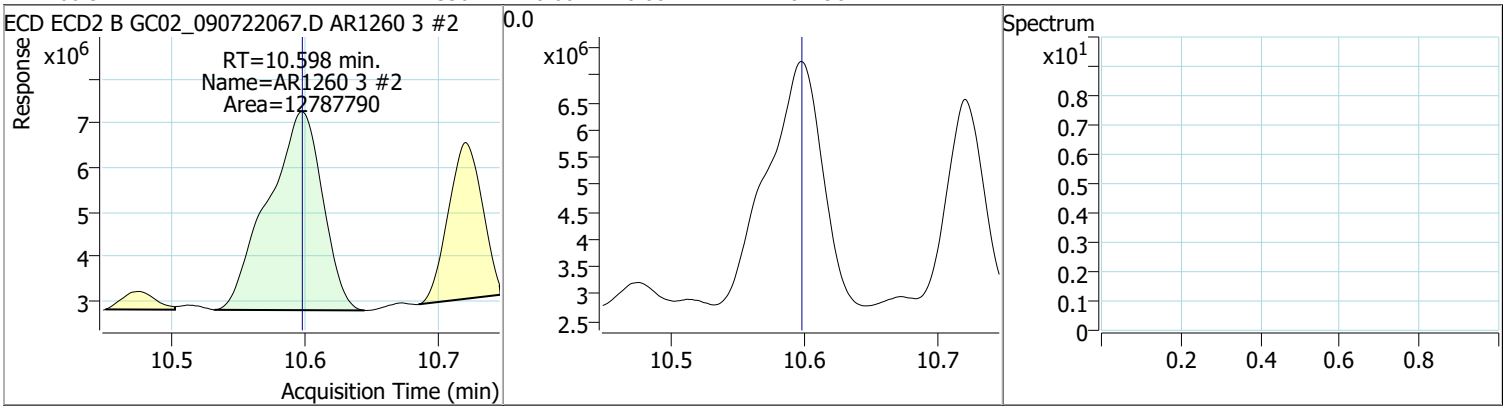
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	474.8389	10.03	0.00	144585008				



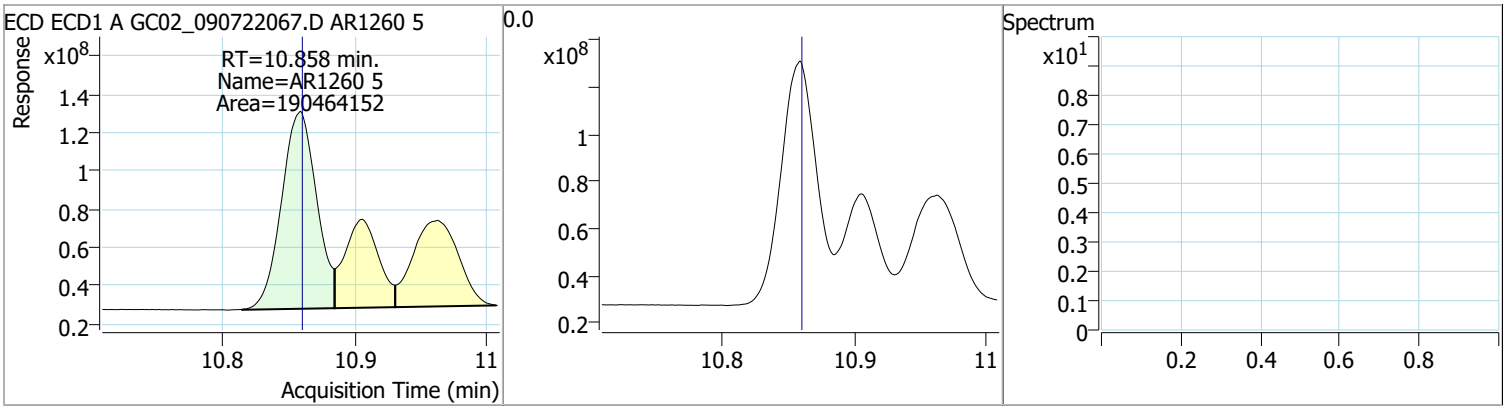
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	468.3735	10.08	0.00	10549716				



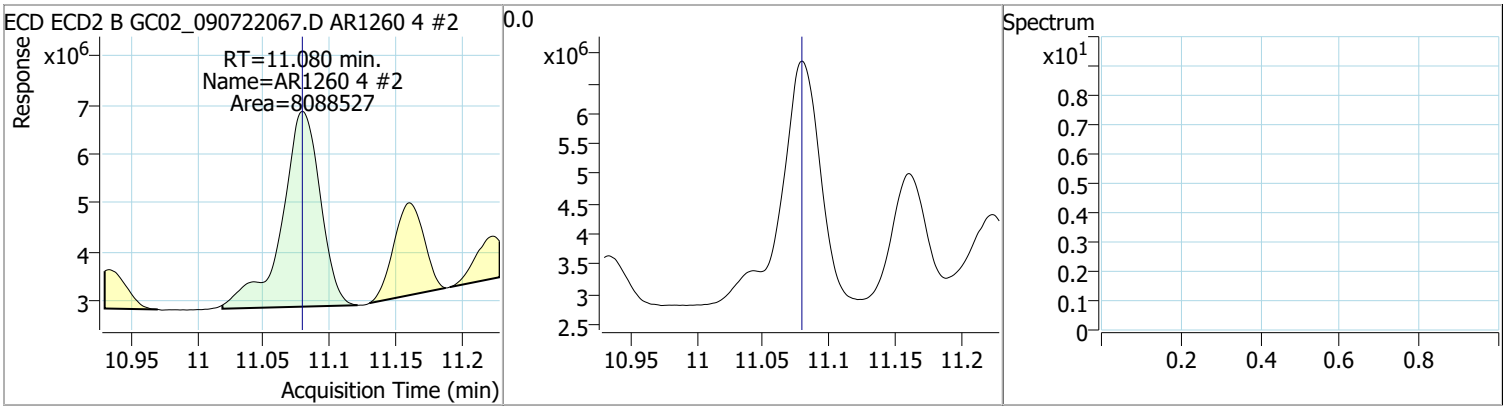
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	477.3362	10.60	0.00	12787790				



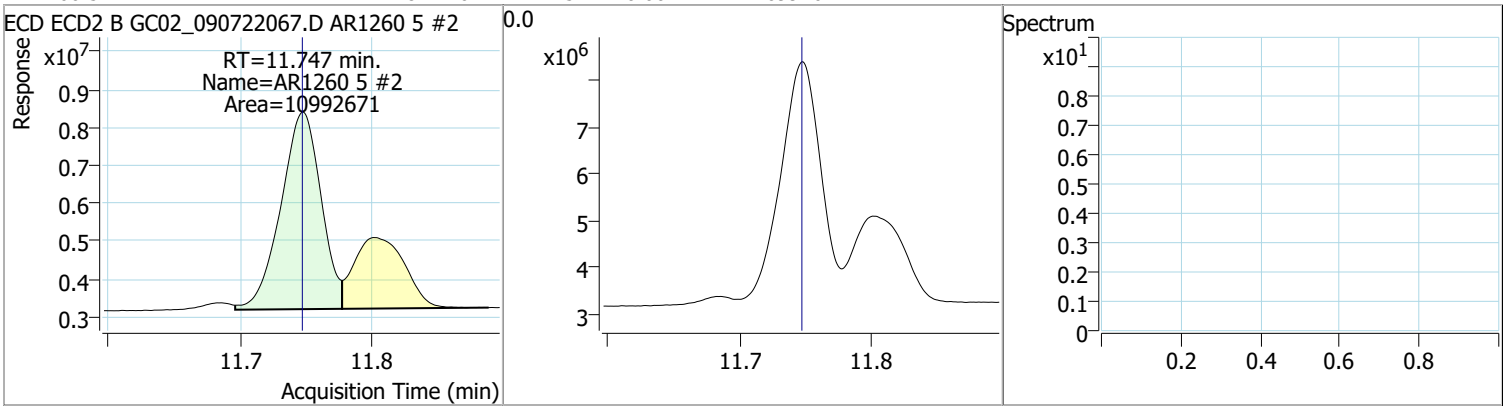
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	478.3491	10.86	0.00	190464152				



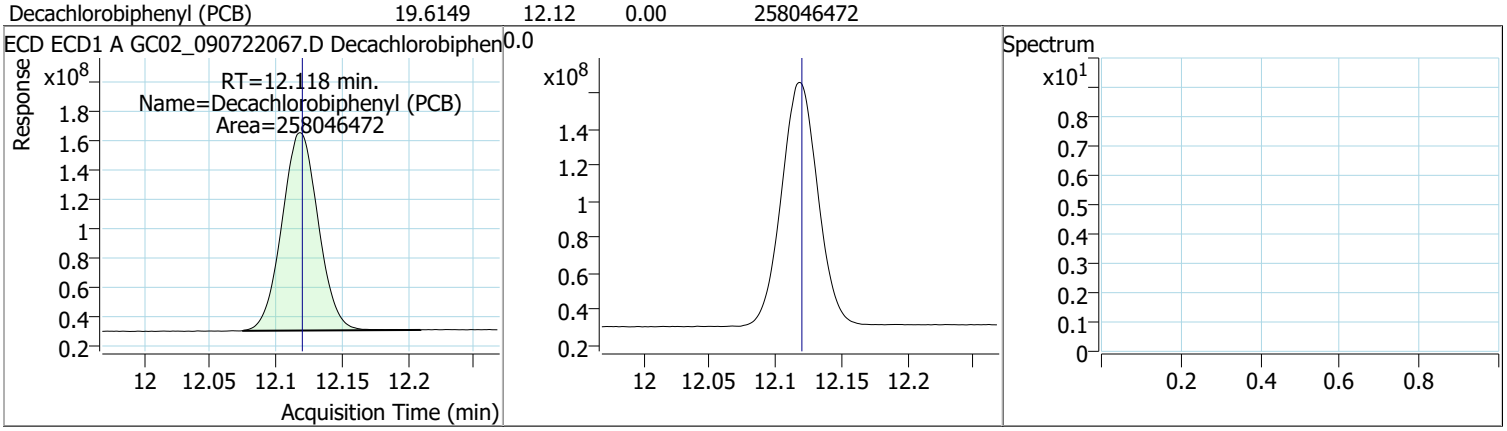
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	524.1836	11.08	0.00	8088527				



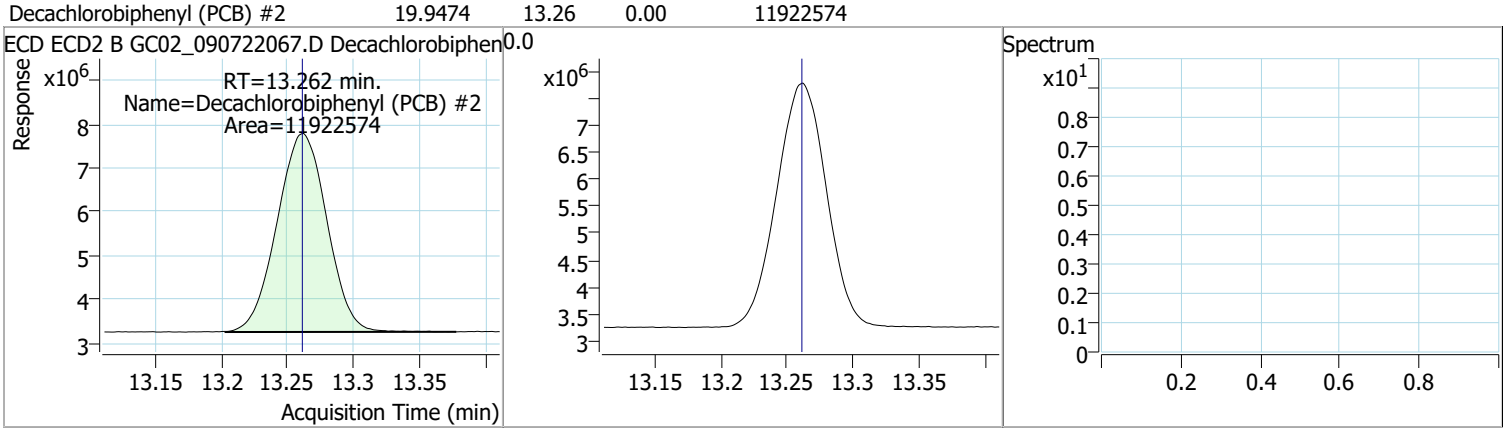
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	481.4202	11.75	0.00	10992671				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	19.6149	12.12	0.00	258046472				

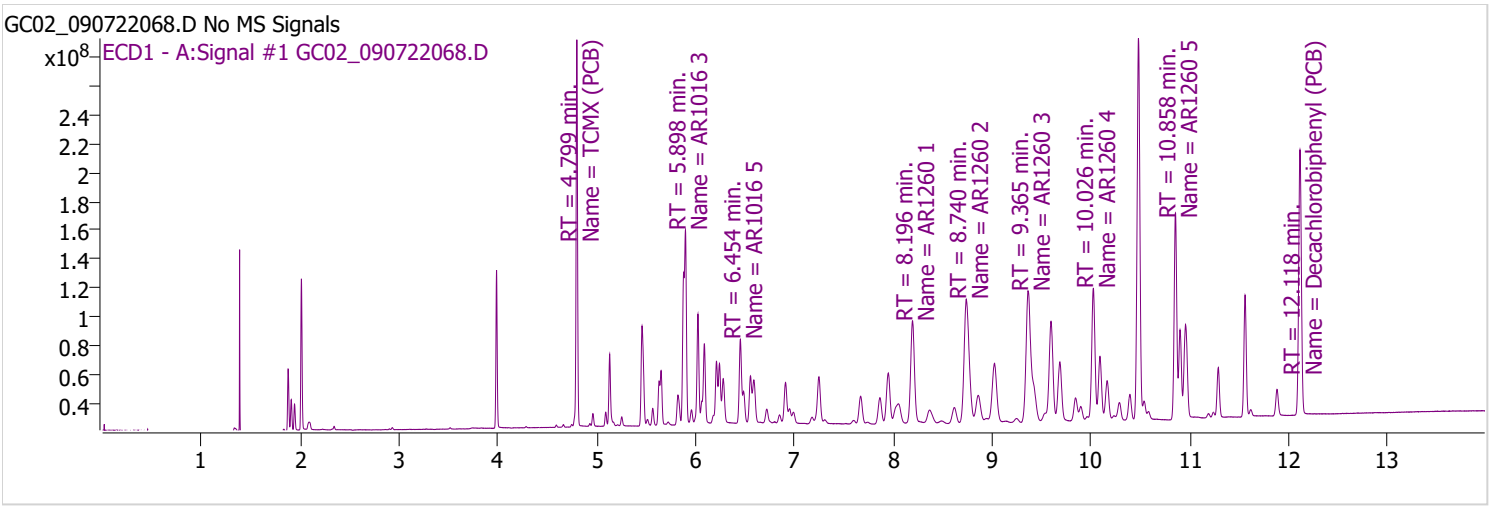


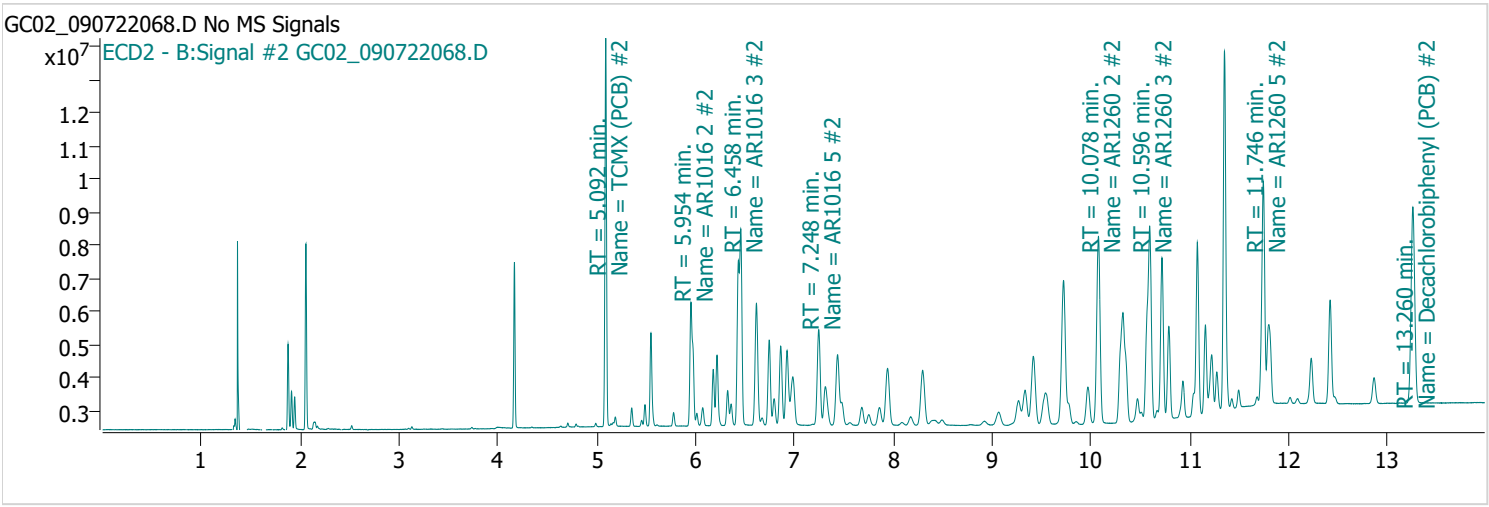
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.9474	13.26	0.00	11922574				



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			



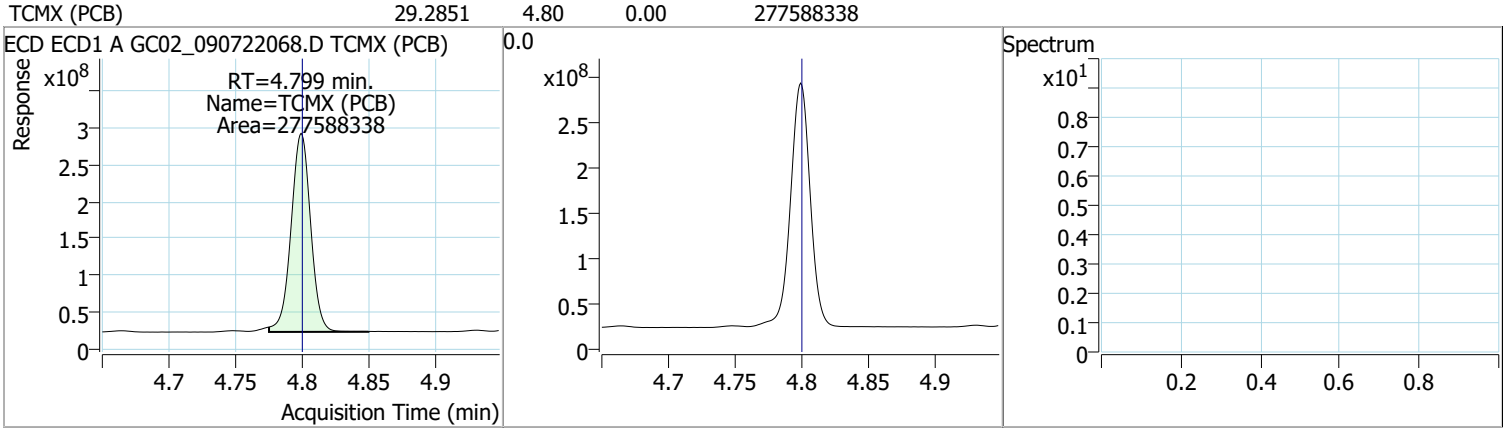


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	100194273.536	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.168	0.0	4597387.802	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.799	0.0	277588337.772	29.2851	ng/ml	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

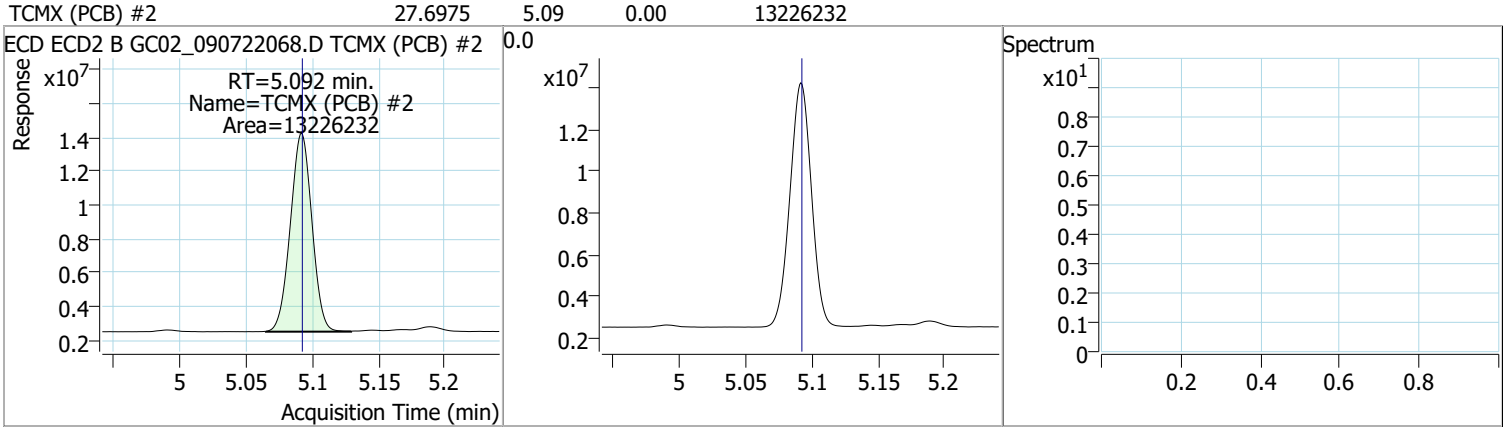
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.132	0.0	63157909.994	716.7224	ng/ml		100
T AR1016 2	5.459	0.0	118292695.205	695.3675	ng/ml		100
T AR1016 1 #2	5.549	0.0	3876138.330	667.2531	ng/ml		100
T AR1016 3	5.898	0.0	181366533.679	707.4232	ng/ml	m	100
T AR1016 2 #2	5.954	0.0	7976286.239	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

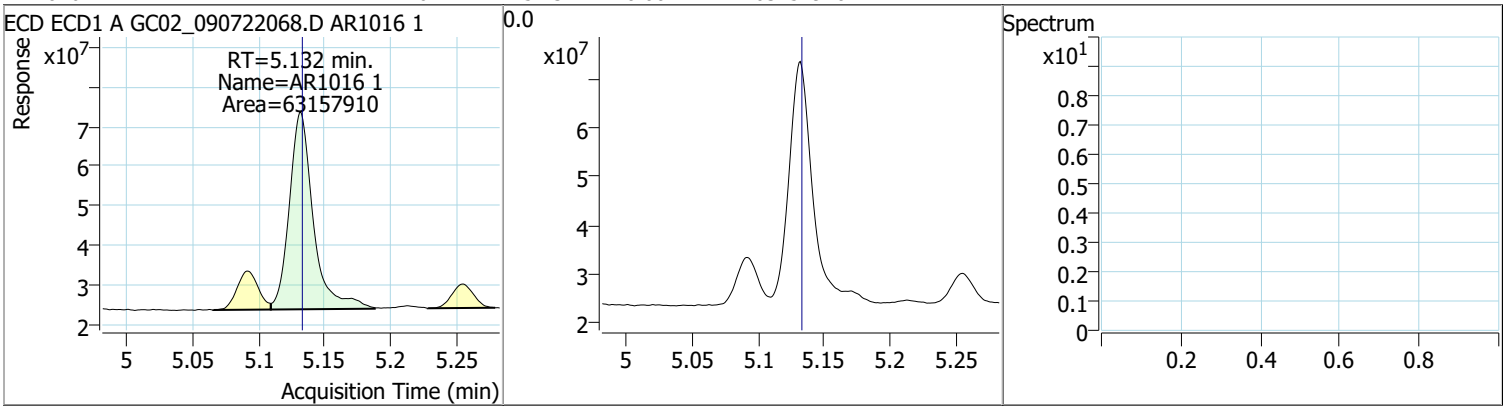
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	29.2851	4.80	0.00	277588338				



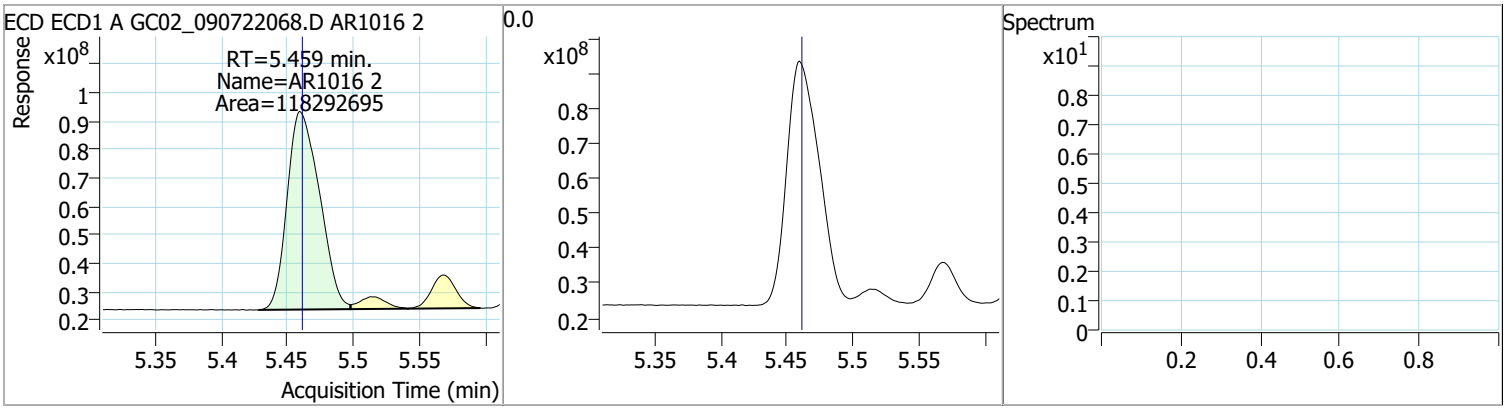
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	27.6975	5.09	0.00	13226232				



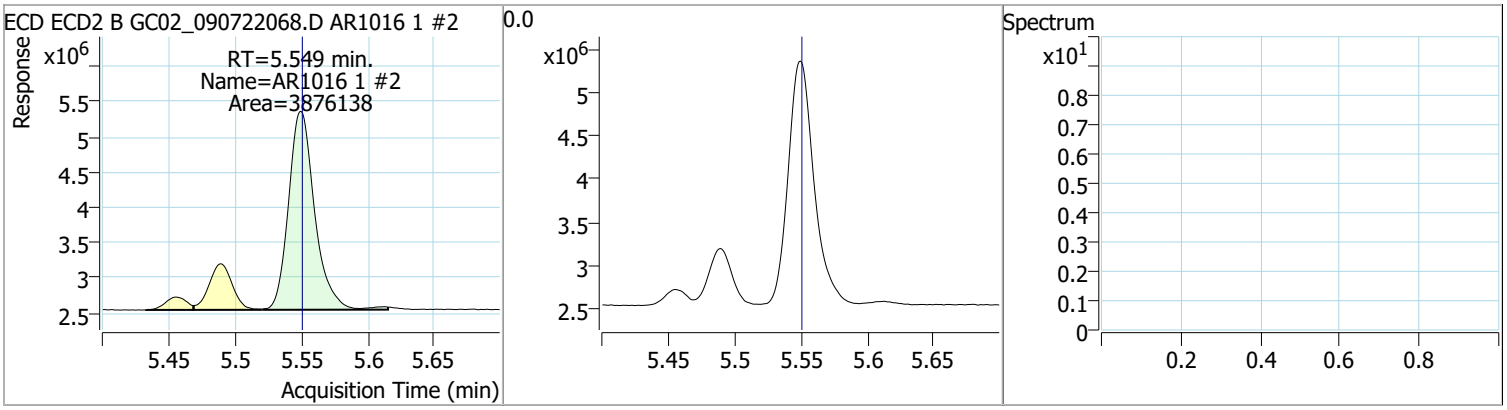
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	716.7224	5.13	0.00	63157910				



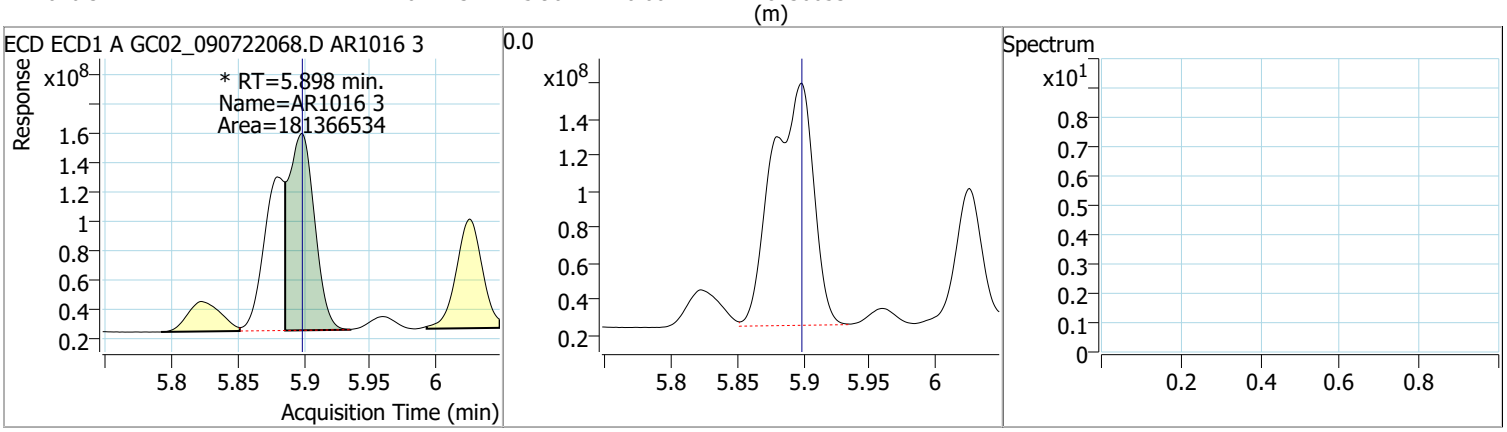
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	695.3675	5.46	0.00	118292695				



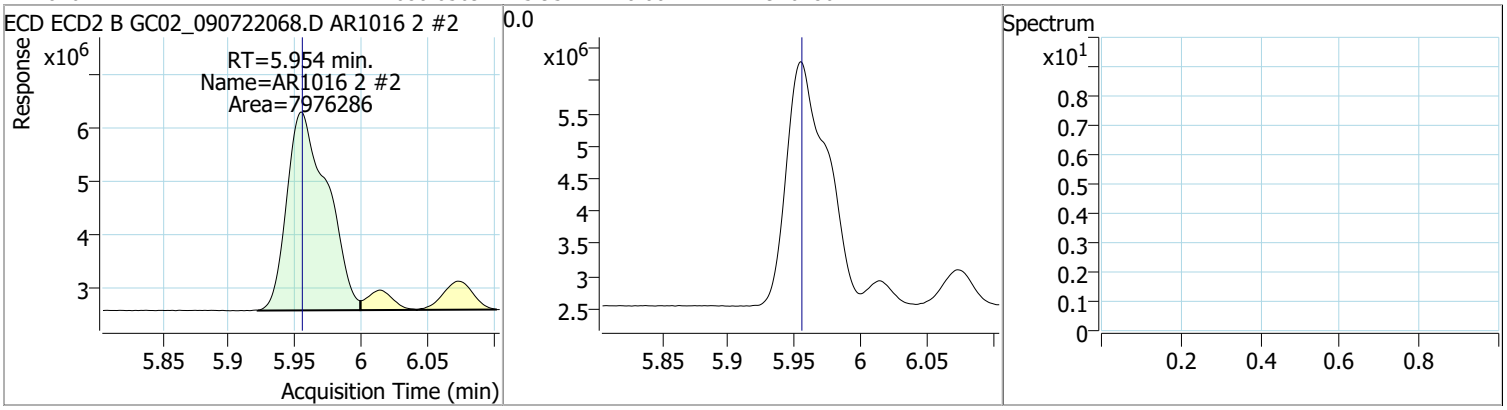
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	667.2531	5.55	0.00	3876138				



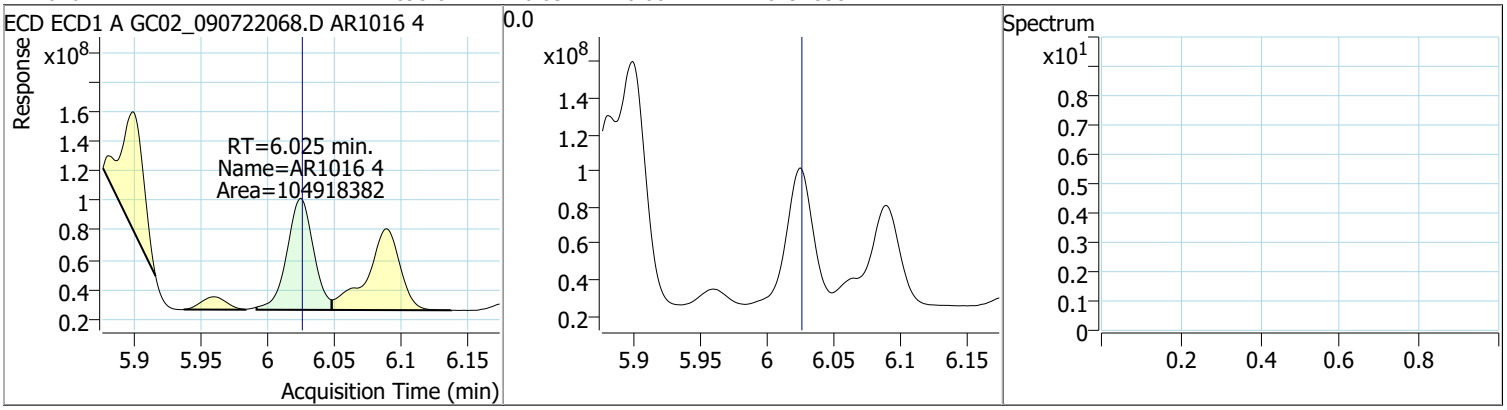
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	707.4232	5.90	0.00	181366534 (m)				



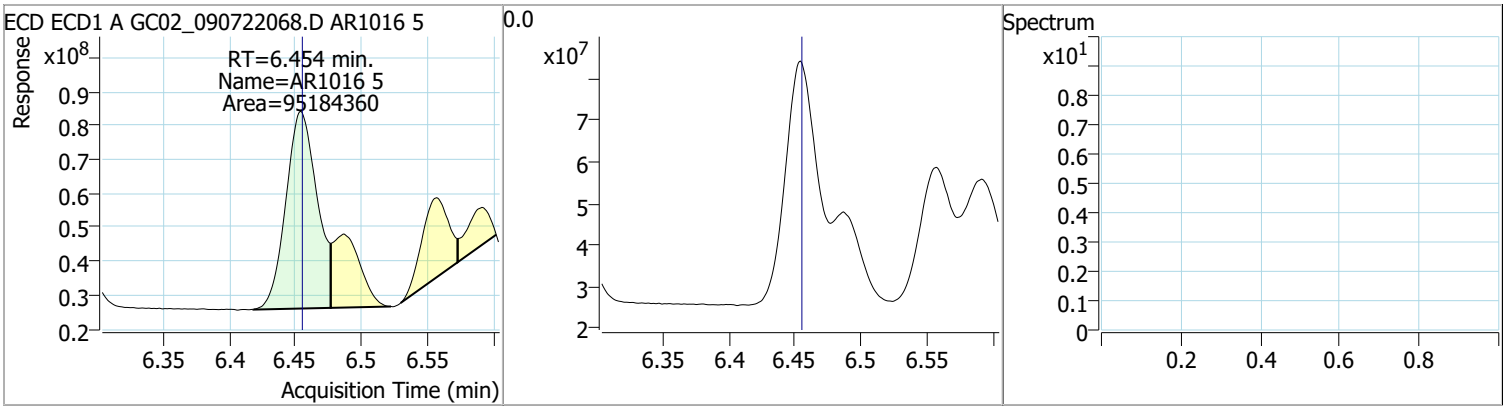
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	680.0569	5.95	0.00	7976286				



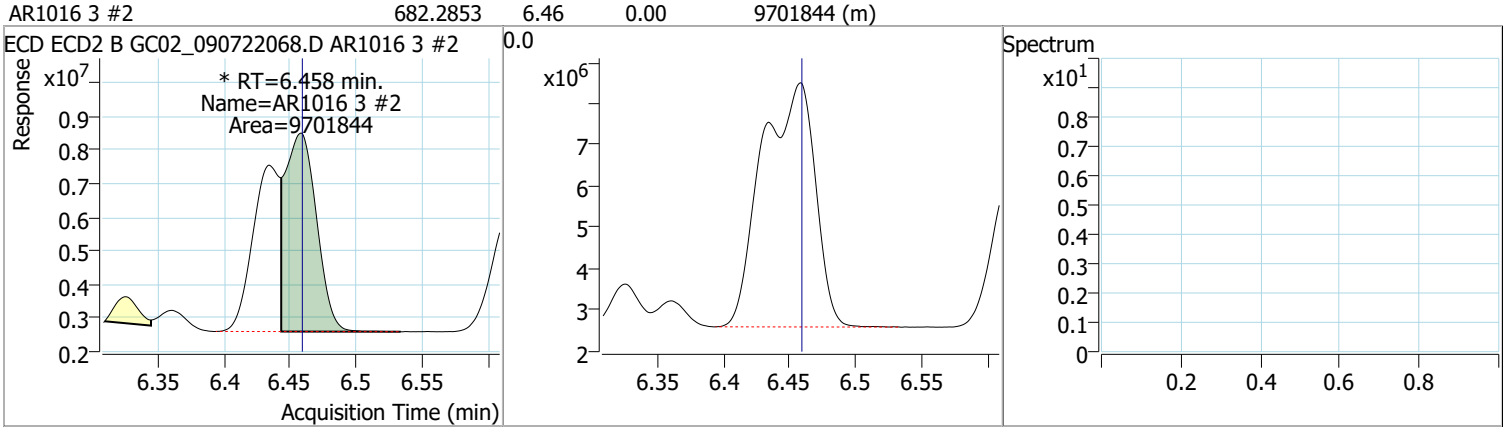
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	695.0411	6.03	0.00	104918382				



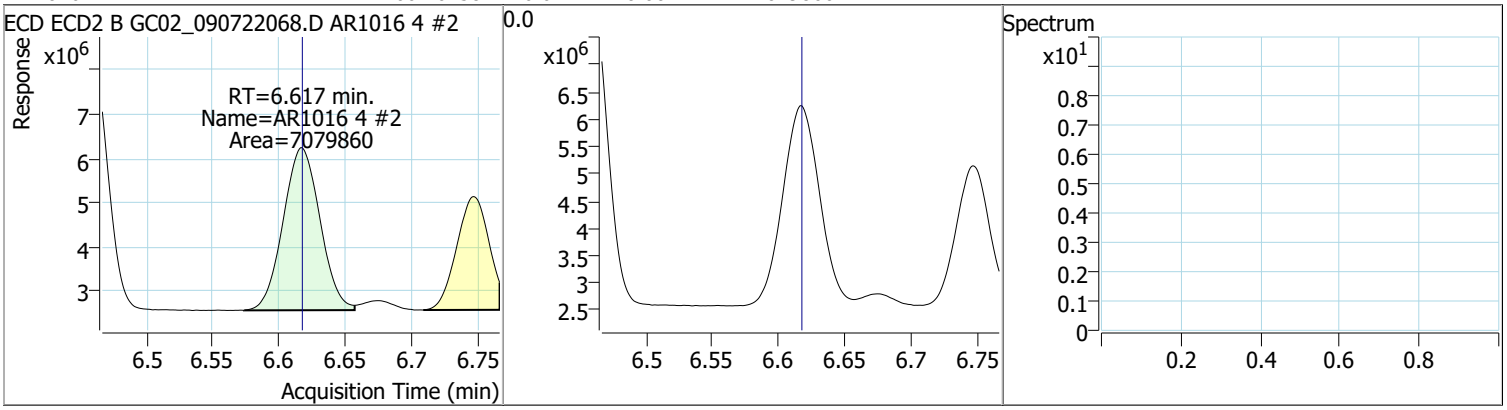
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	684.6350	6.45	0.00	95184360				



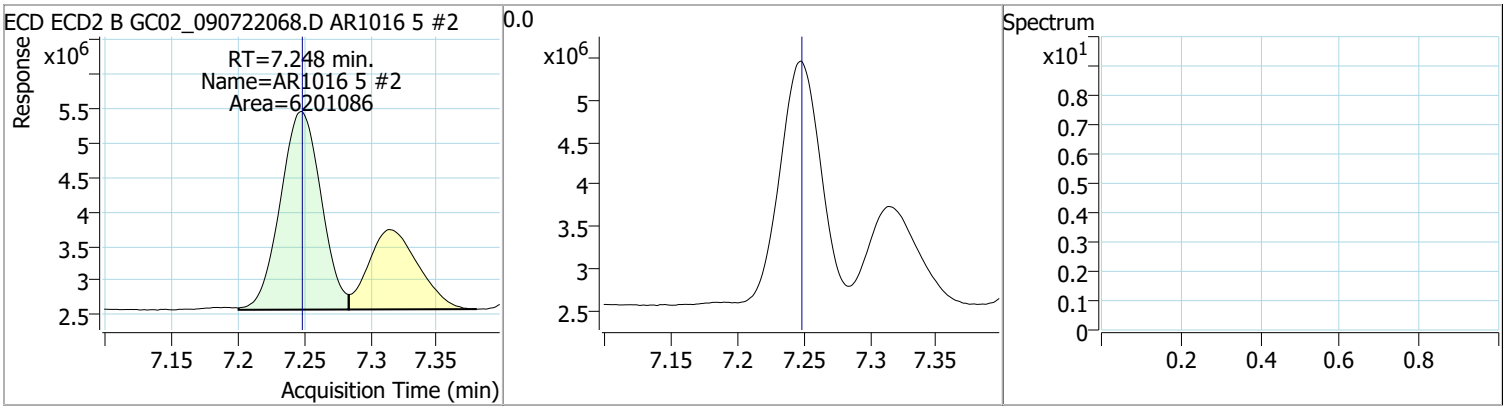
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	682.2853	6.46	0.00	9701844 (m)				



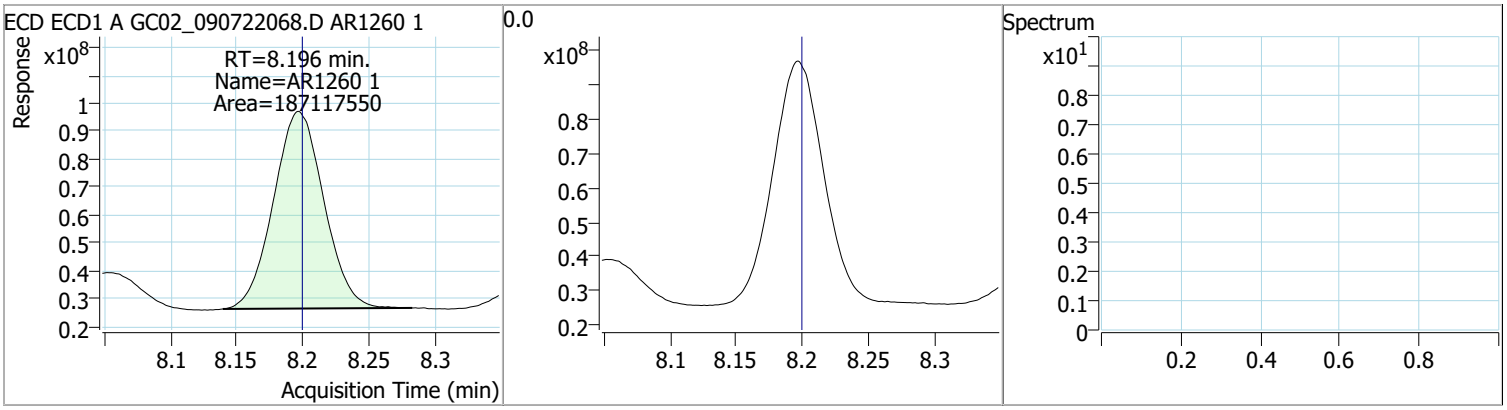
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AR1016 4 #2	667.6258	6.62	0.00	7079860				



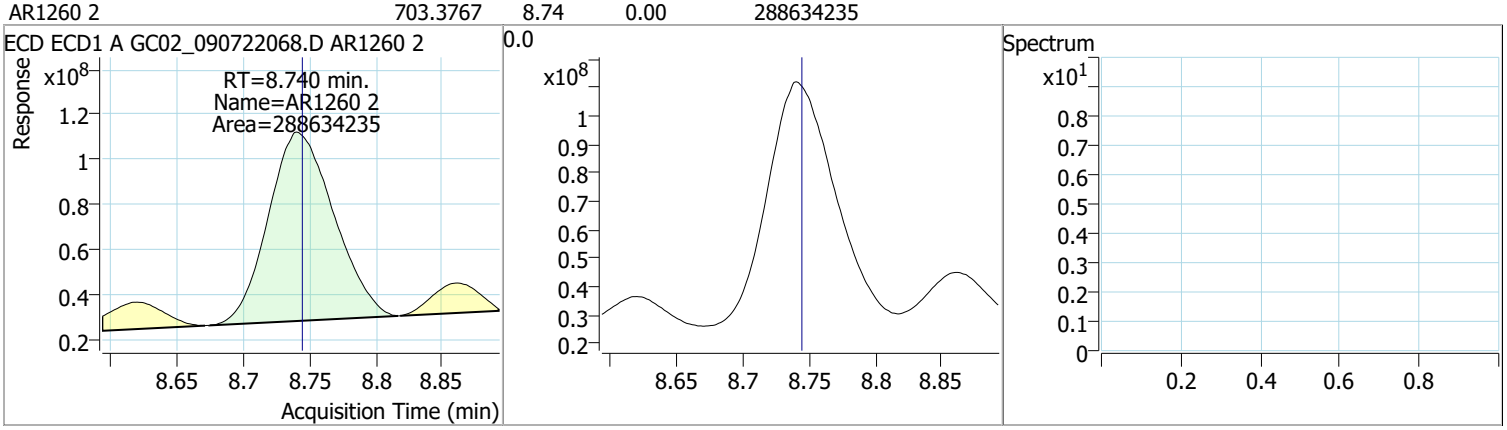
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	686.1019	7.25	0.00	6201086				



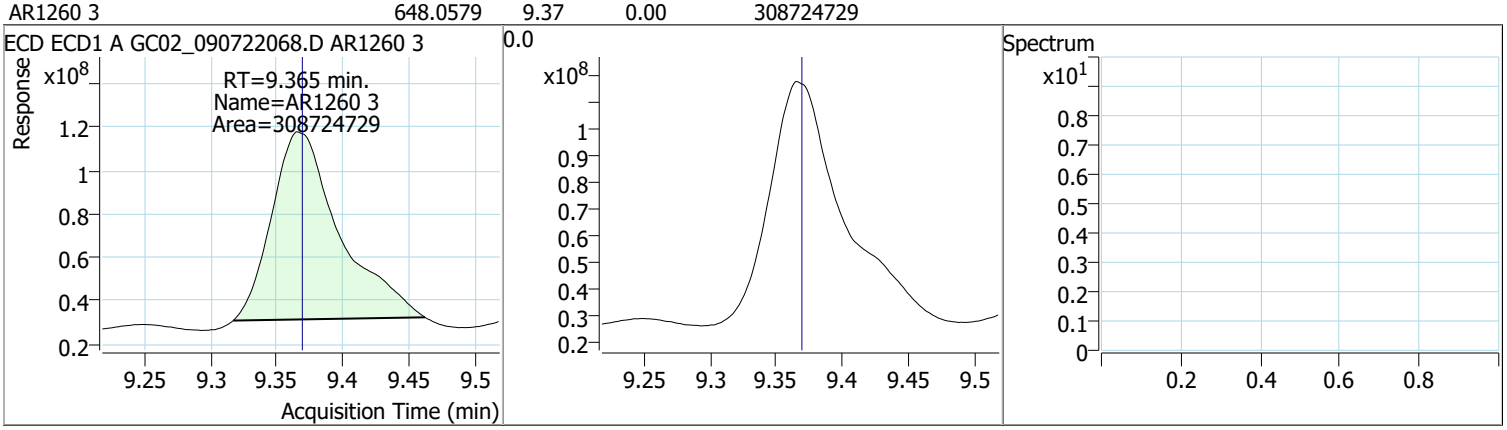
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	697.0223	8.20	0.00	187117550				



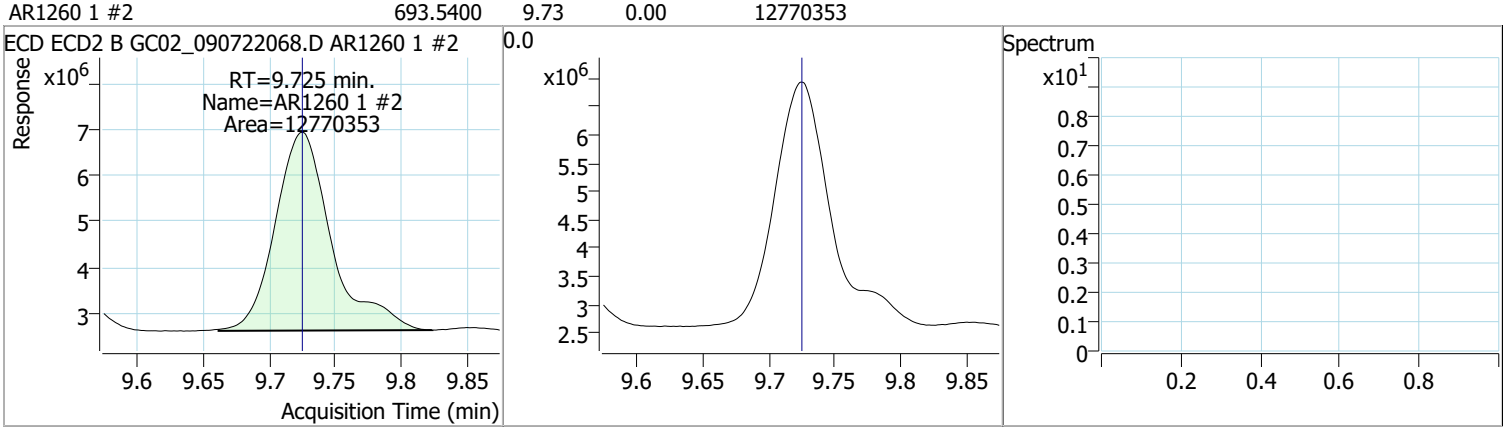
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	703.3767	8.74	0.00	288634235				



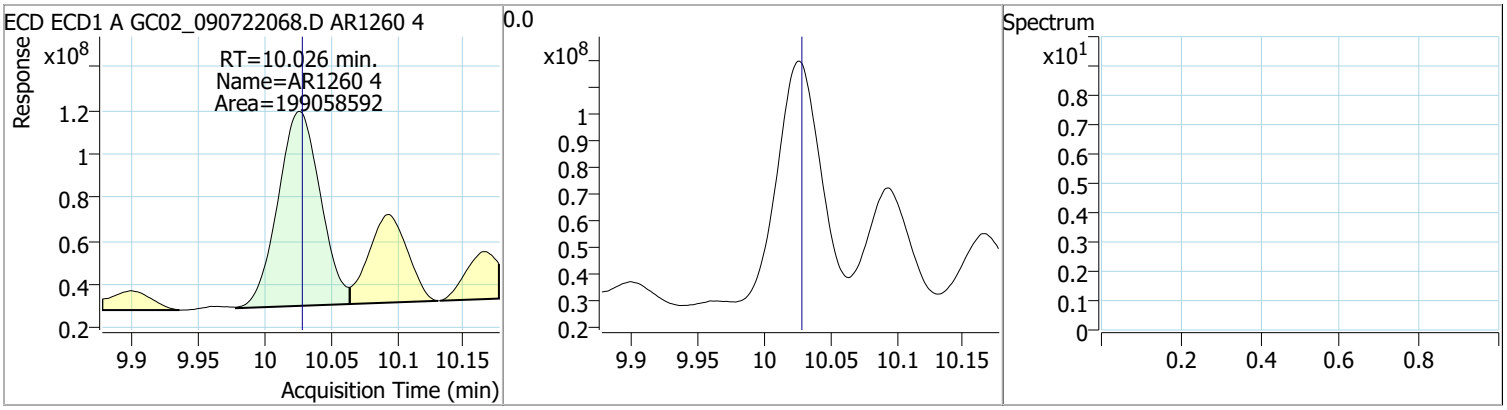
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	648.0579	9.37	0.00	308724729				



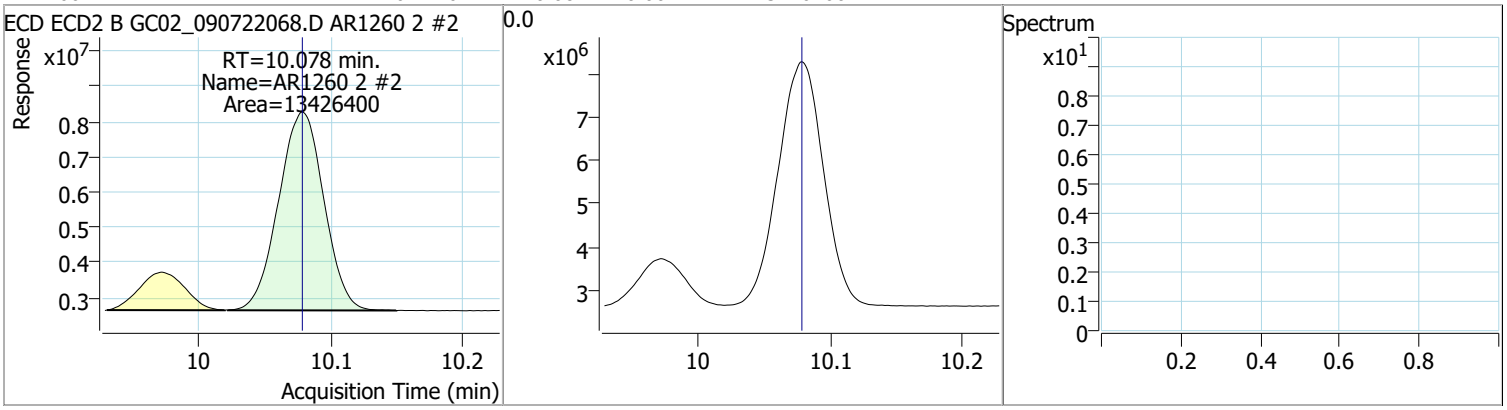
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	693.5400	9.73	0.00	12770353				



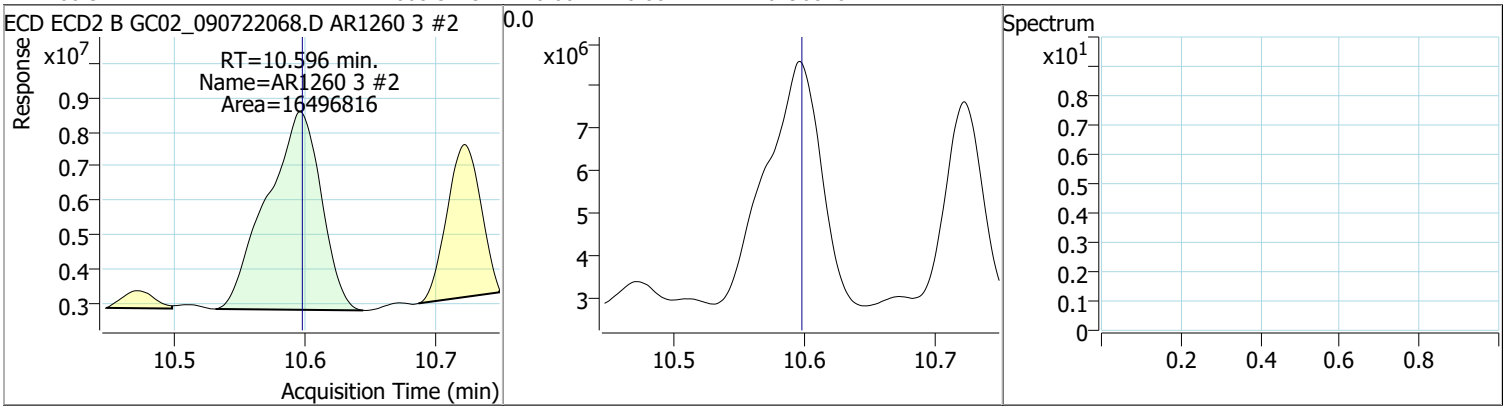
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	720.8630	10.03	0.00	199058592				



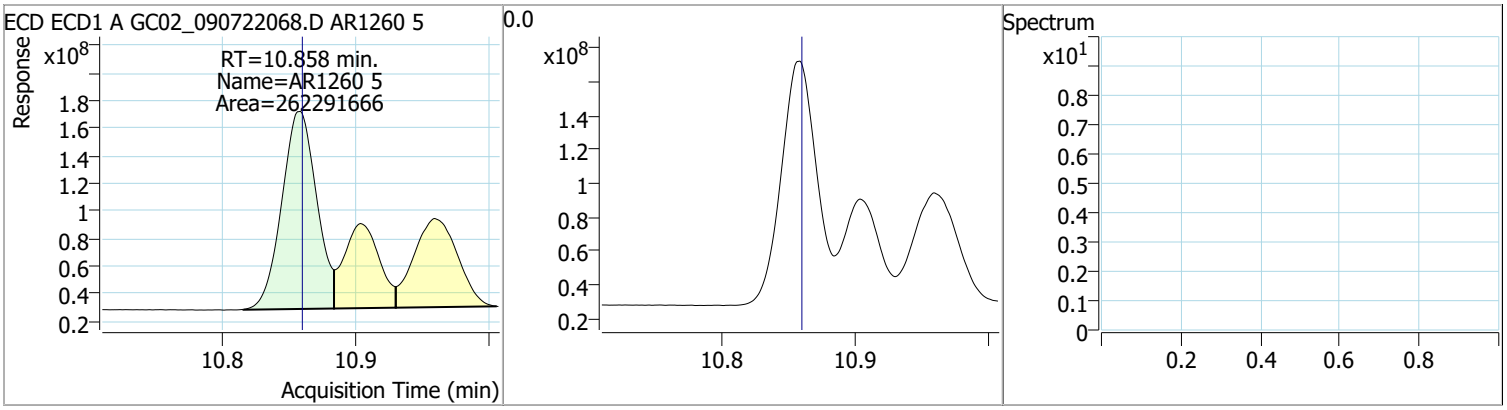
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	647.1641	10.08	0.00	13426400				



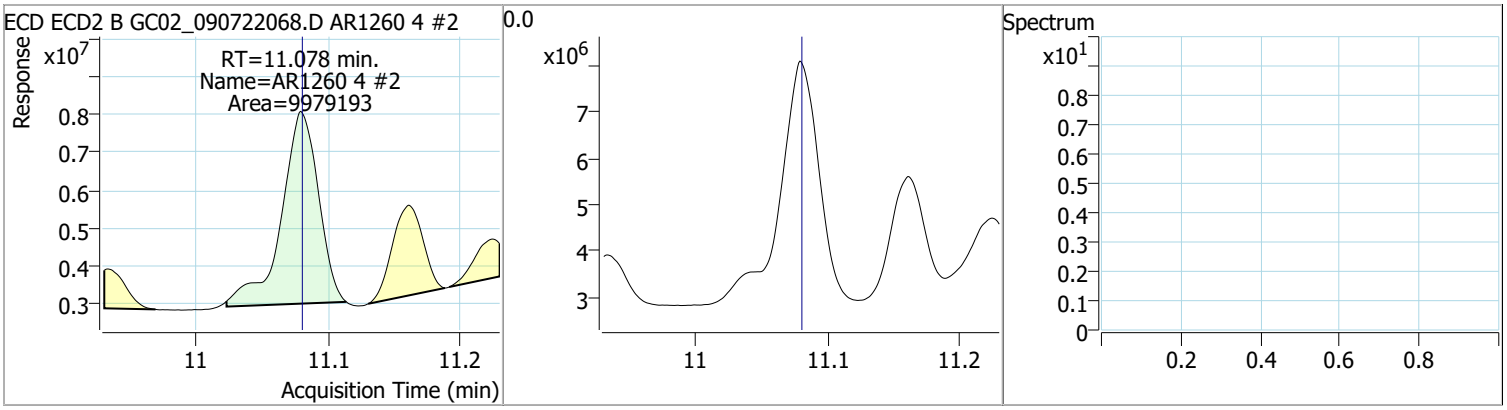
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AR1260 3 #2	668.5475	10.60	0.00	16496816				



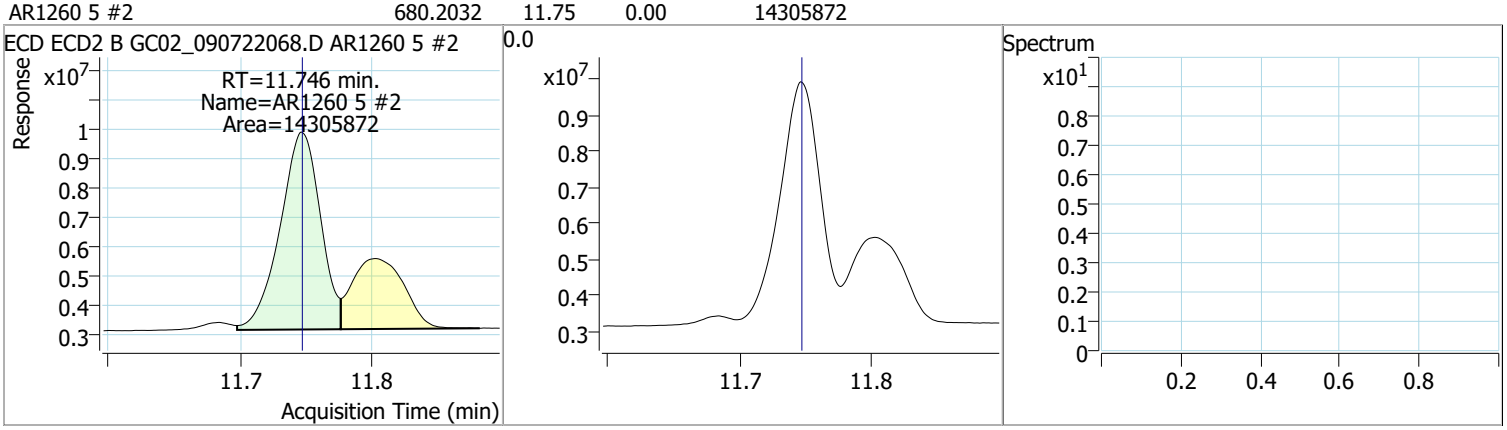
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	726.3819	10.86	0.00	262291666				



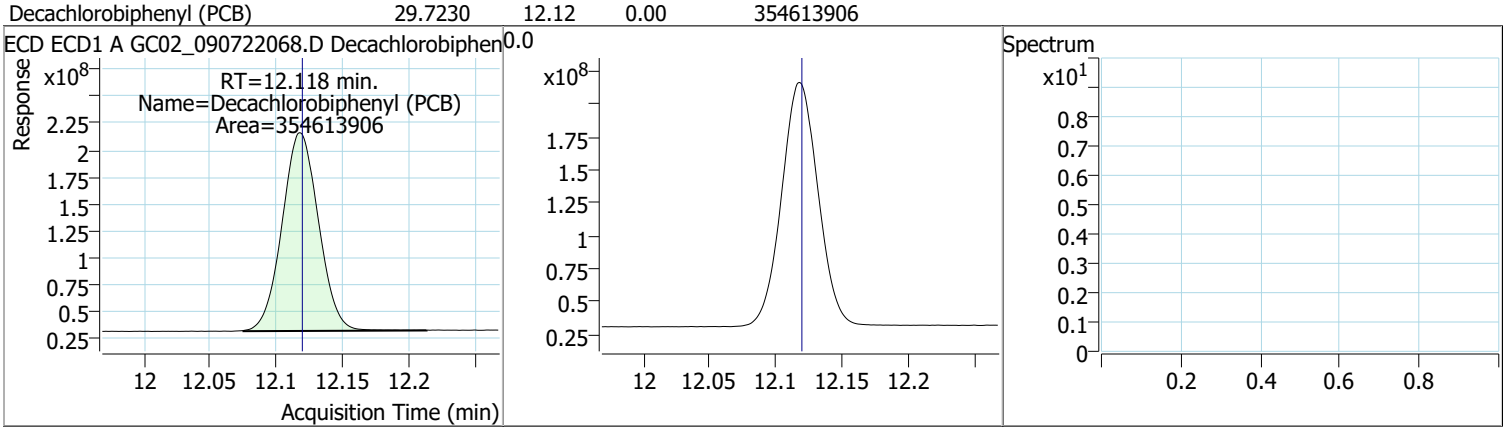
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	702.1222	11.08	0.00	9979193				



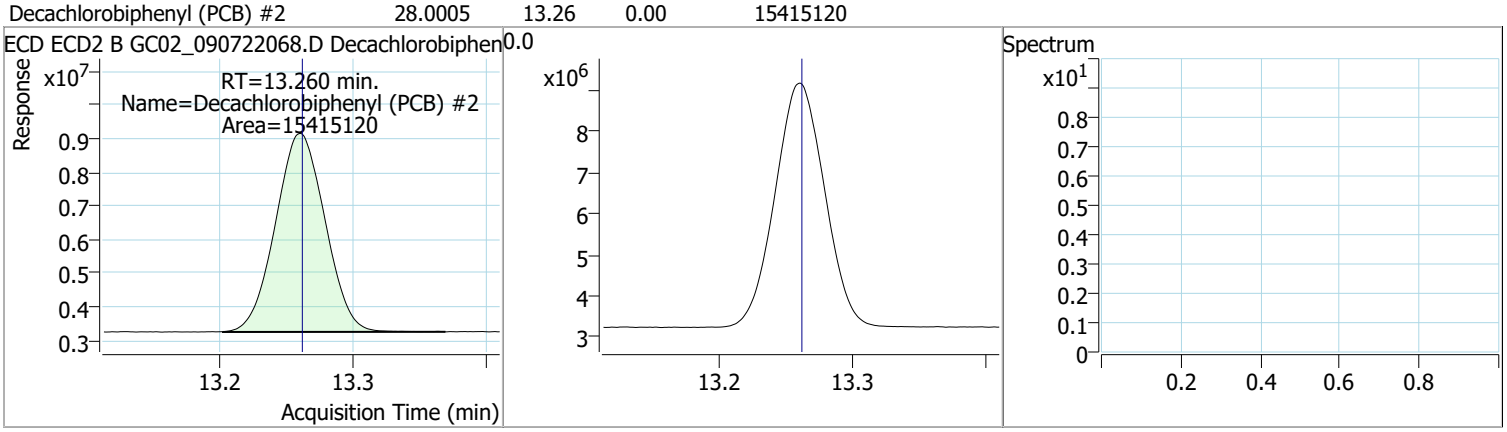
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	680.2032	11.75	0.00	14305872				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.7230	12.12	0.00	354613906				

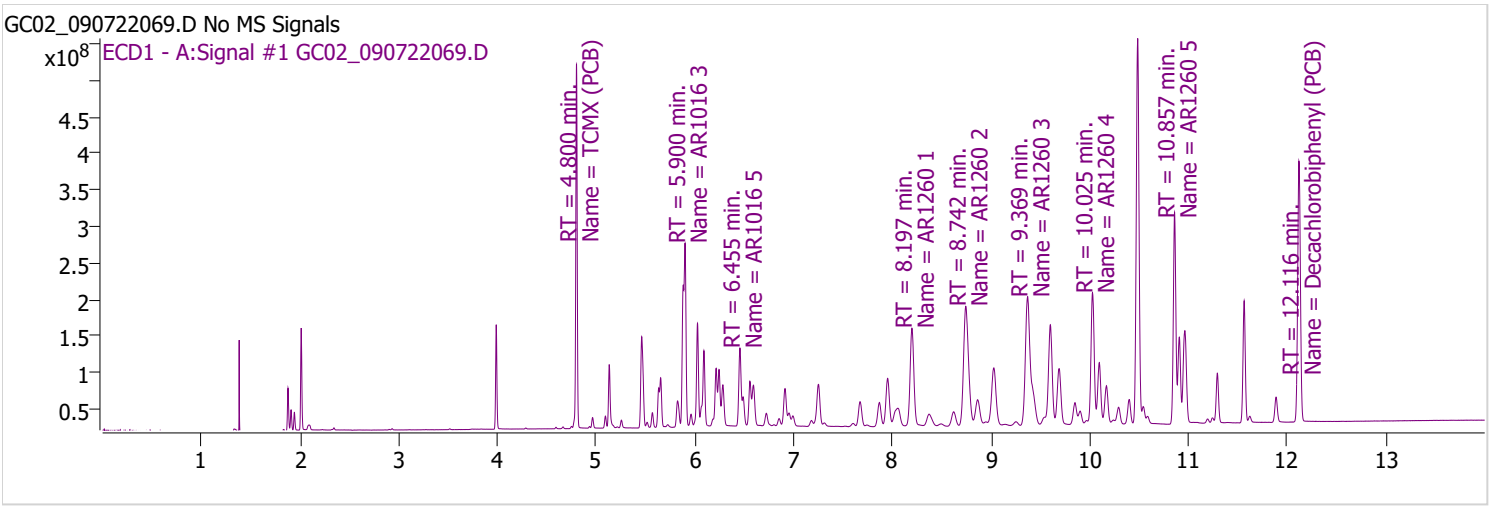


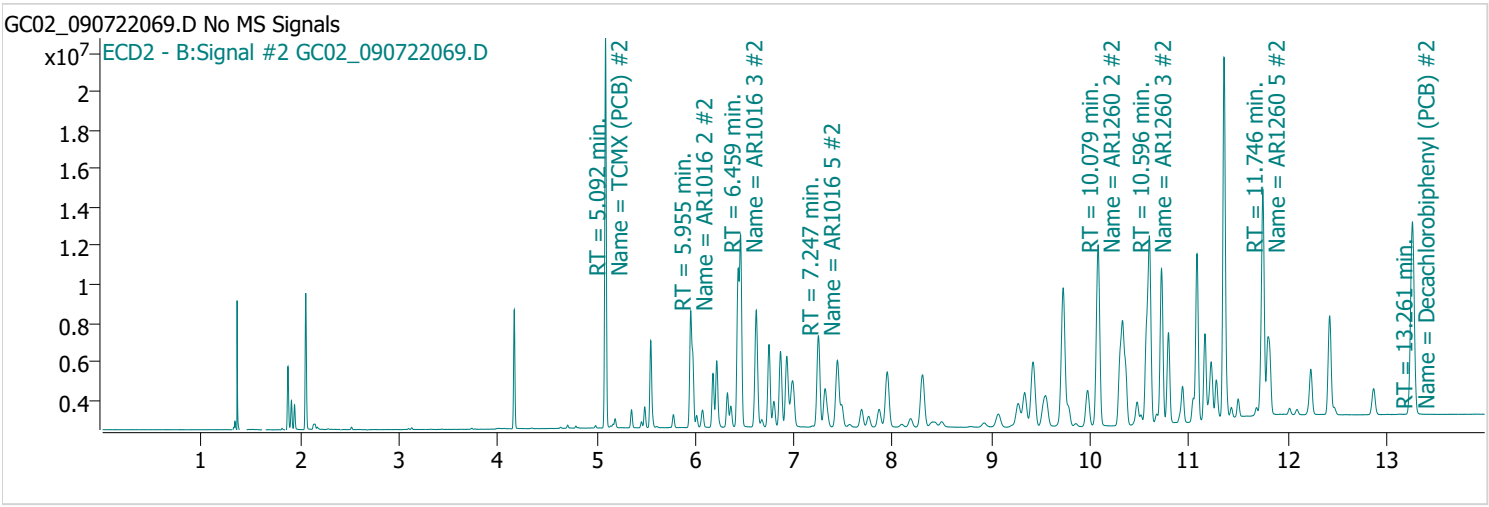
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.0005	13.26	0.00	15415120				



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			



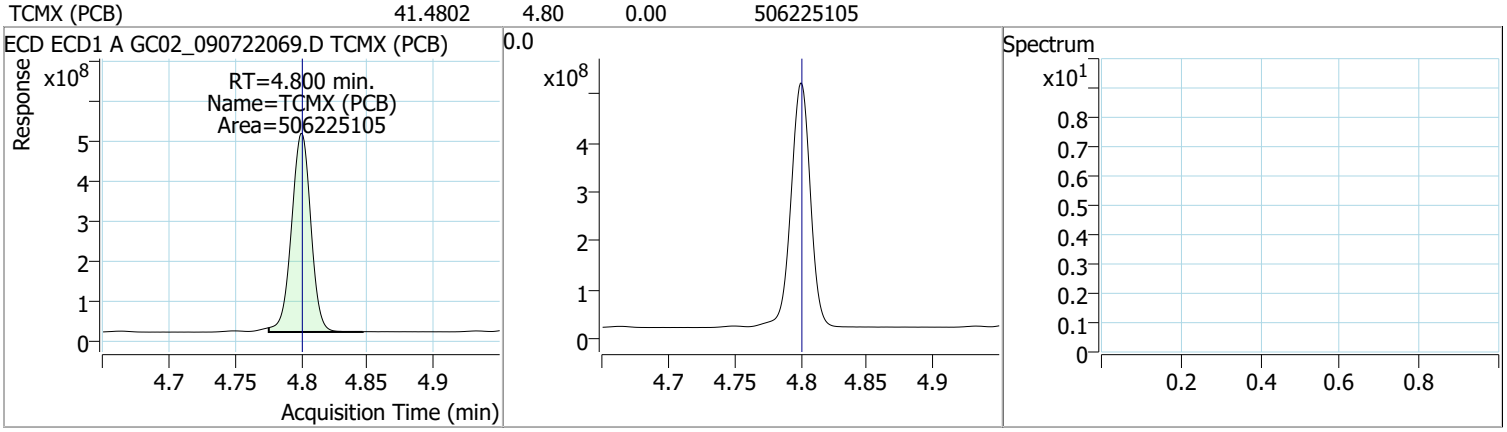


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.988	0.0	129000616.262	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.168	0.0	5727467.147	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.800	0.0	506225105.131	41.4802	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

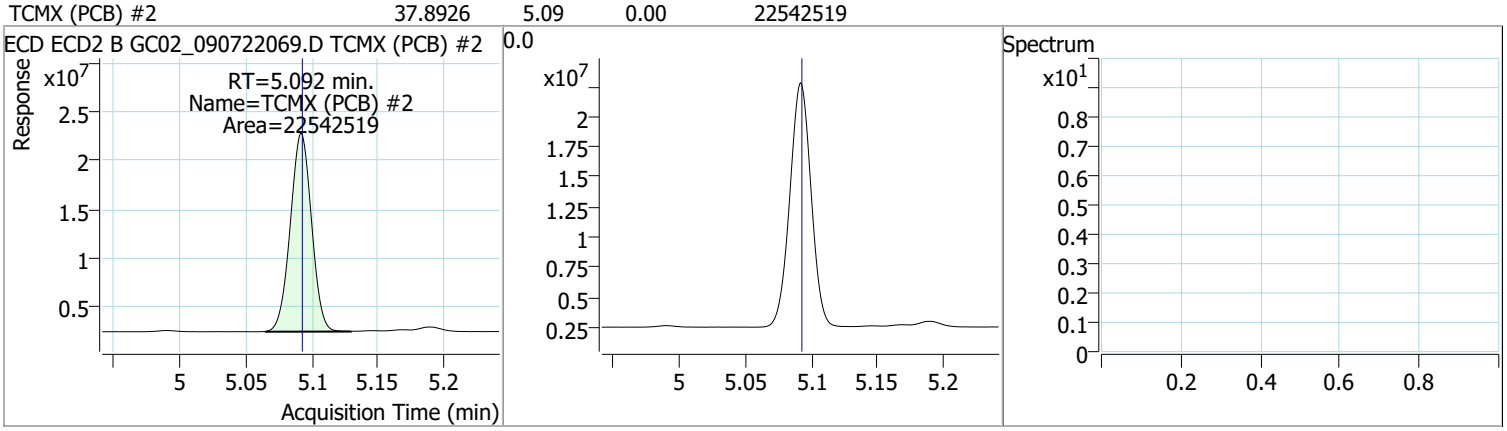
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.131	0.0	107781495.578	949.9889	ng/ml		100
T AR1016 2	5.460	0.0	209908549.235	958.3799	ng/ml		100
T AR1016 1 #2	5.550	0.0	6250924.603	863.7421	ng/ml		100
T AR1016 3	5.900	0.0	329147463.055	997.1575	ng/ml	m	100
T AR1016 2 #2	5.955	0.0	13053101.946	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

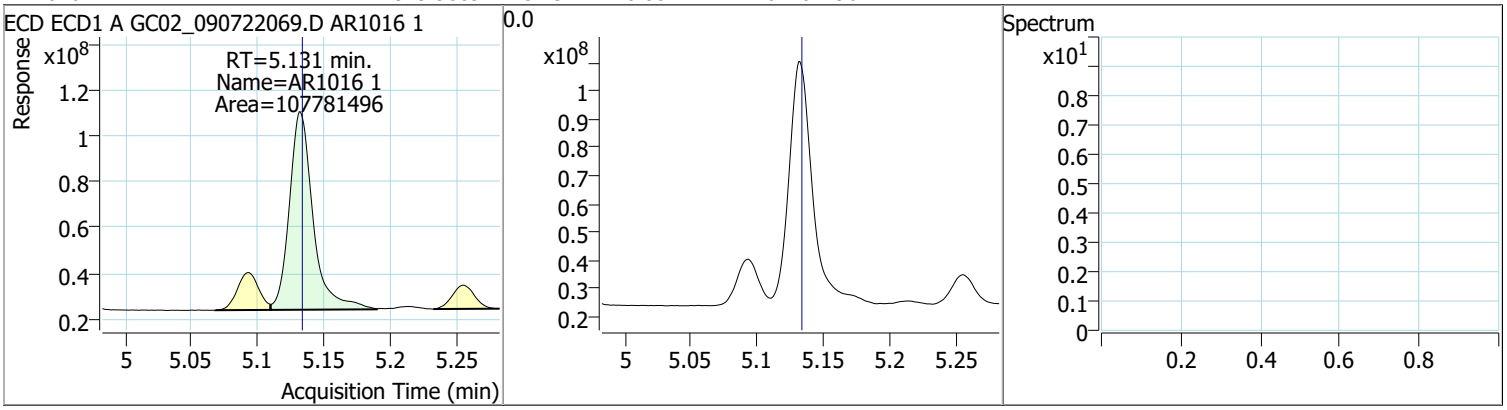
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.4802	4.80	0.00	506225105				



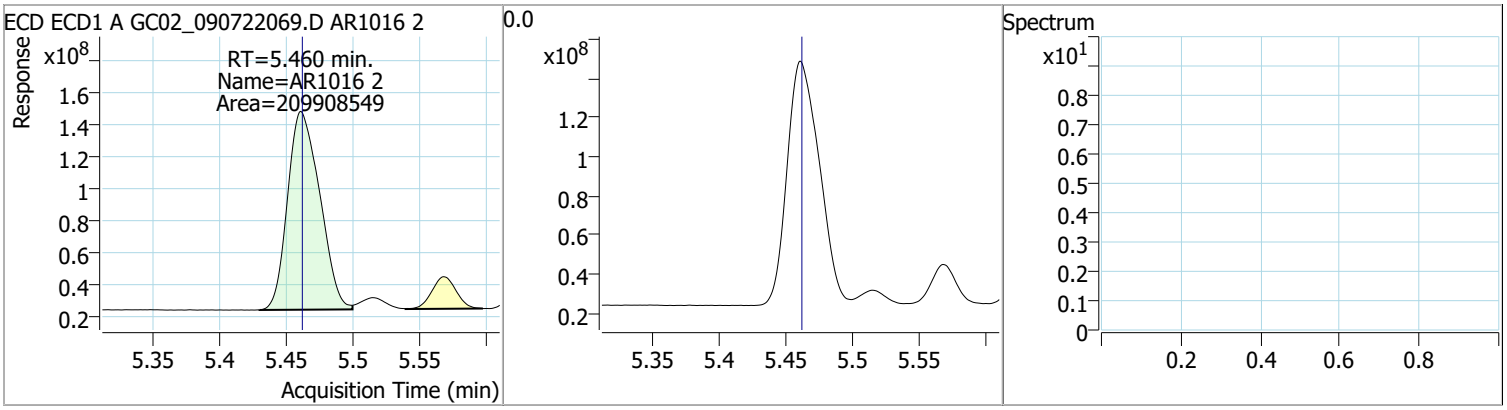
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.8926	5.09	0.00	22542519				



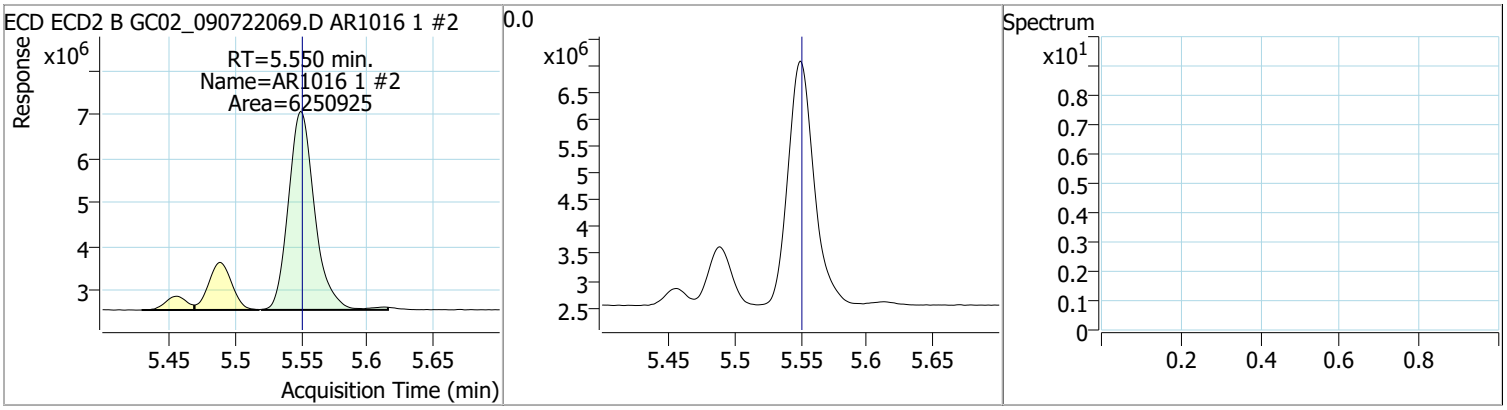
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	949.9889	5.13	0.00	107781496				



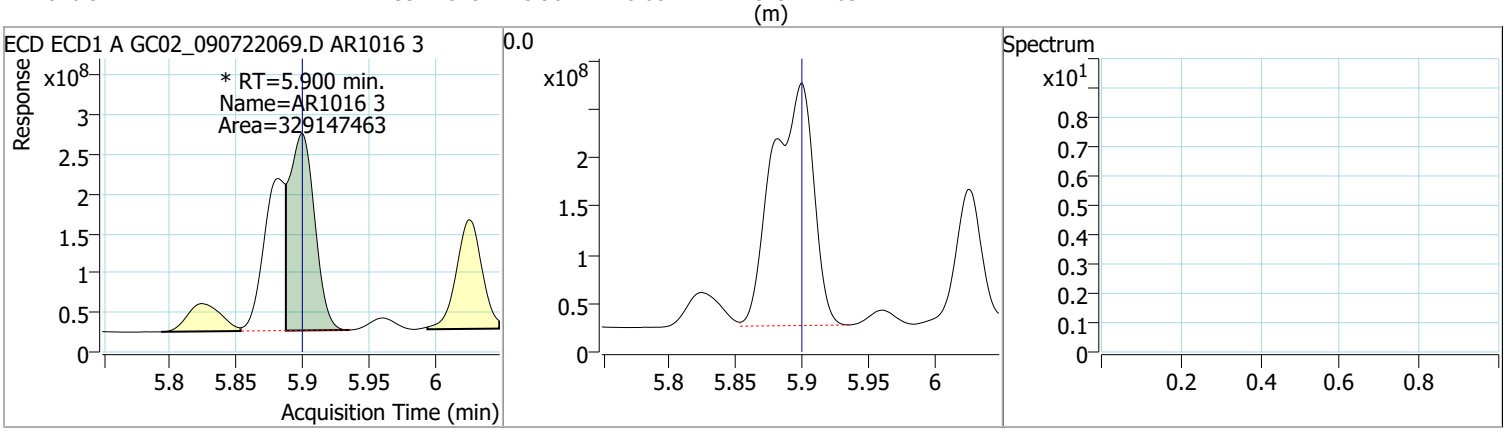
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AR1016 2	958.3799	5.46	0.00	209908549				



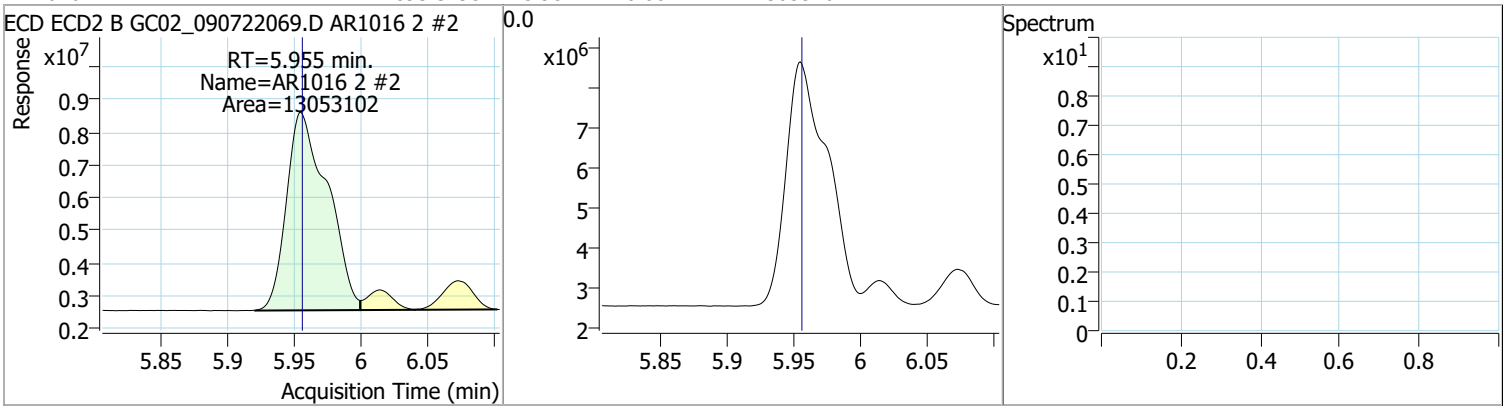
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	863.7421	5.55	0.00	6250925				



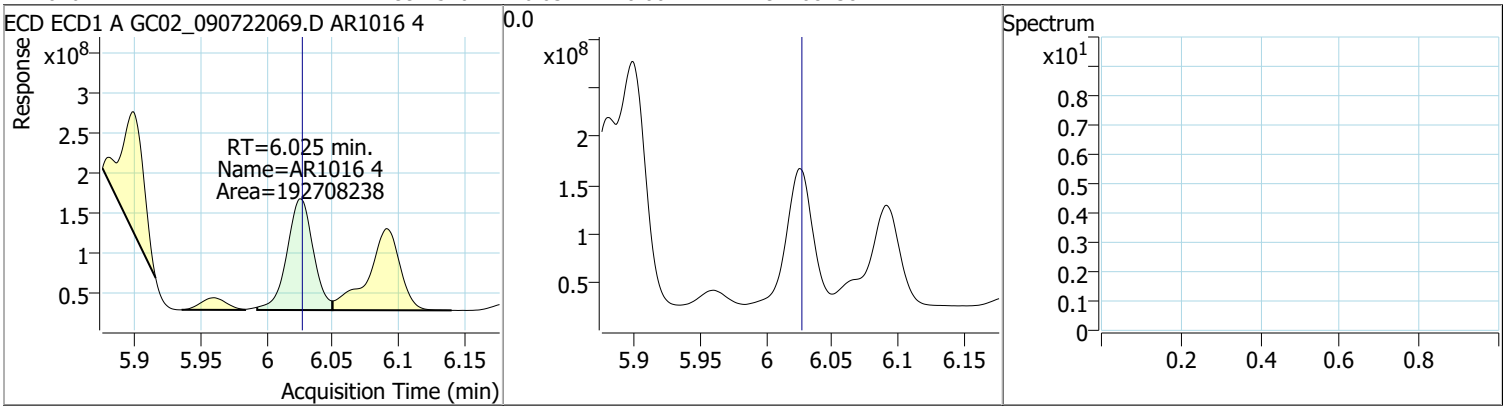
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	997.1575	5.90	0.00	329147463 (m)				



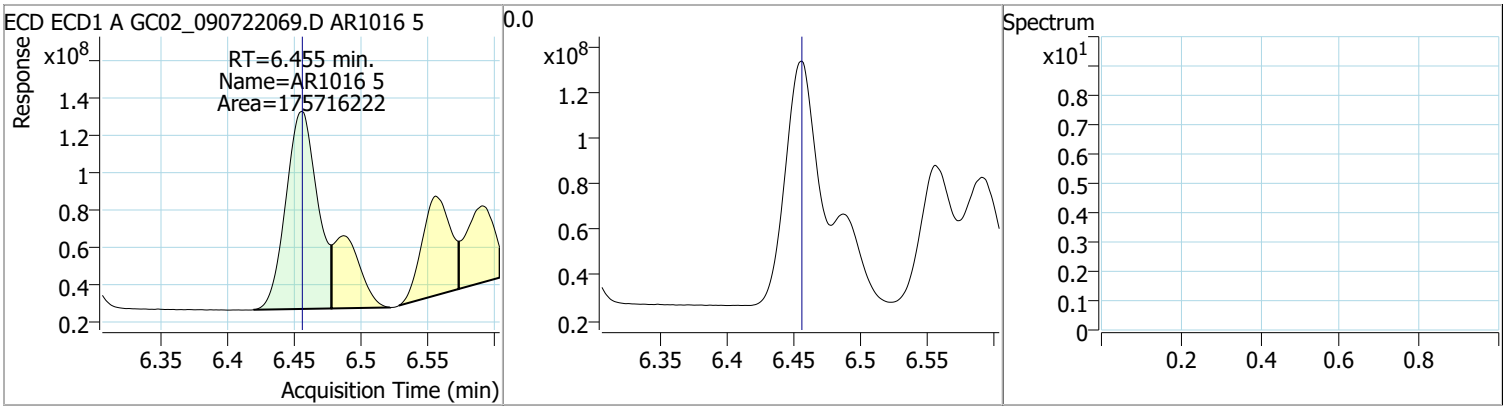
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	893.3195	5.95	0.00	13053102				



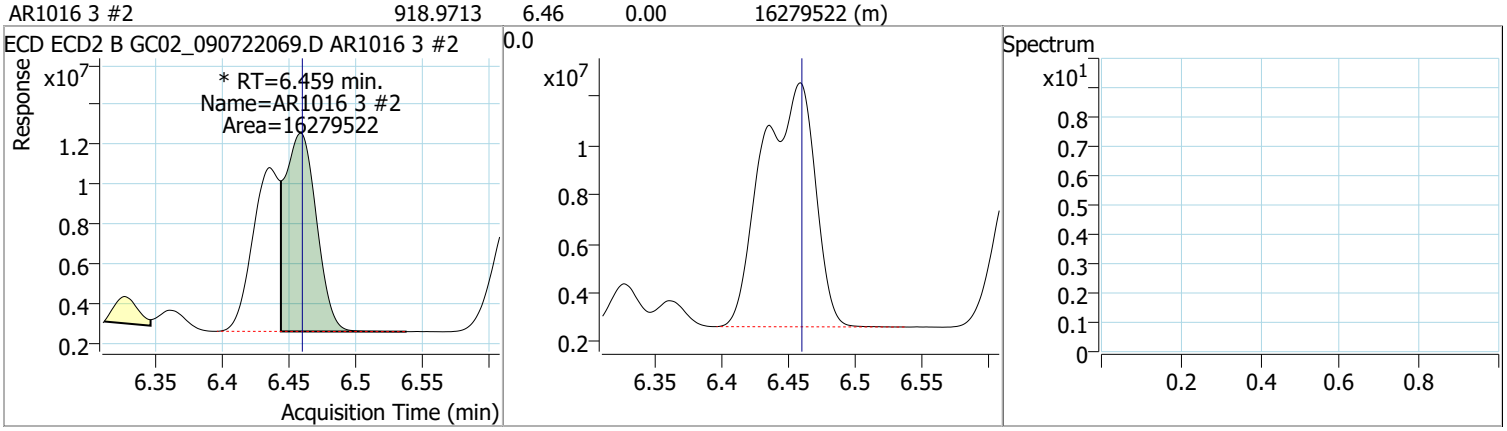
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	991.5402	6.03	0.00	192708238				



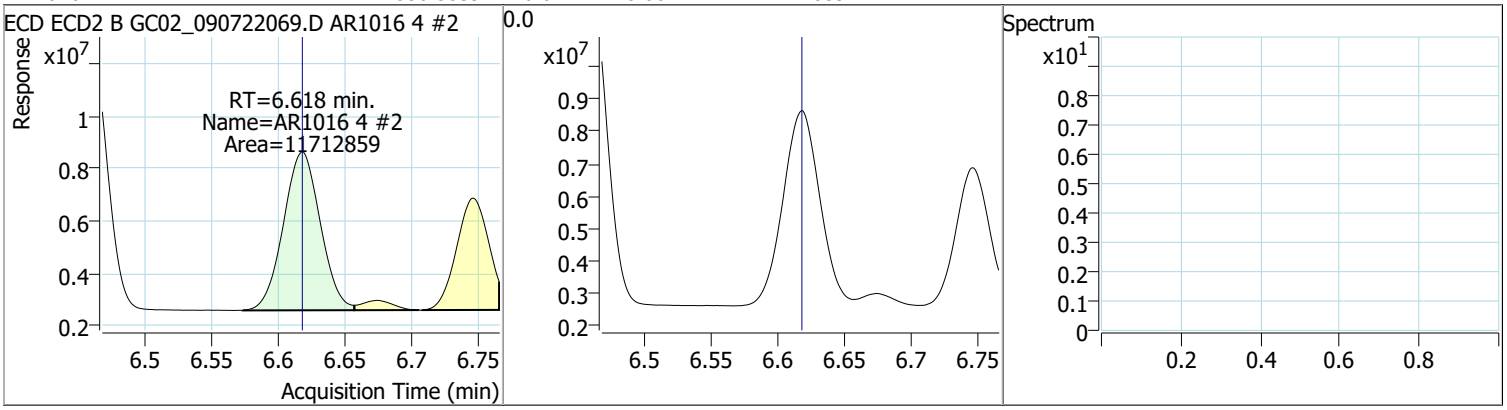
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	981.6495	6.46	0.00	175716222				



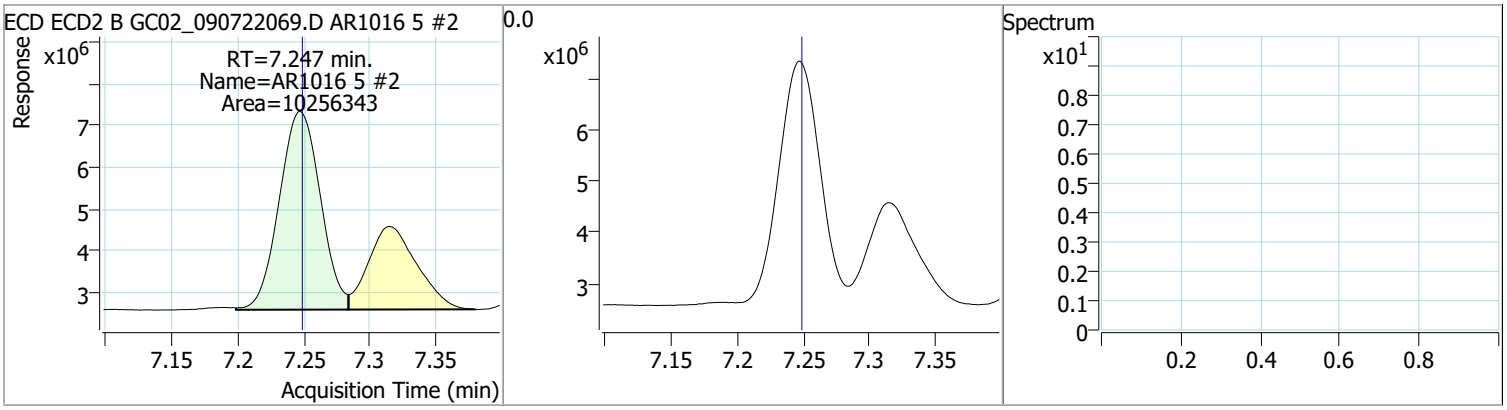
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	918.9713	6.46	0.00	16279522 (m)				



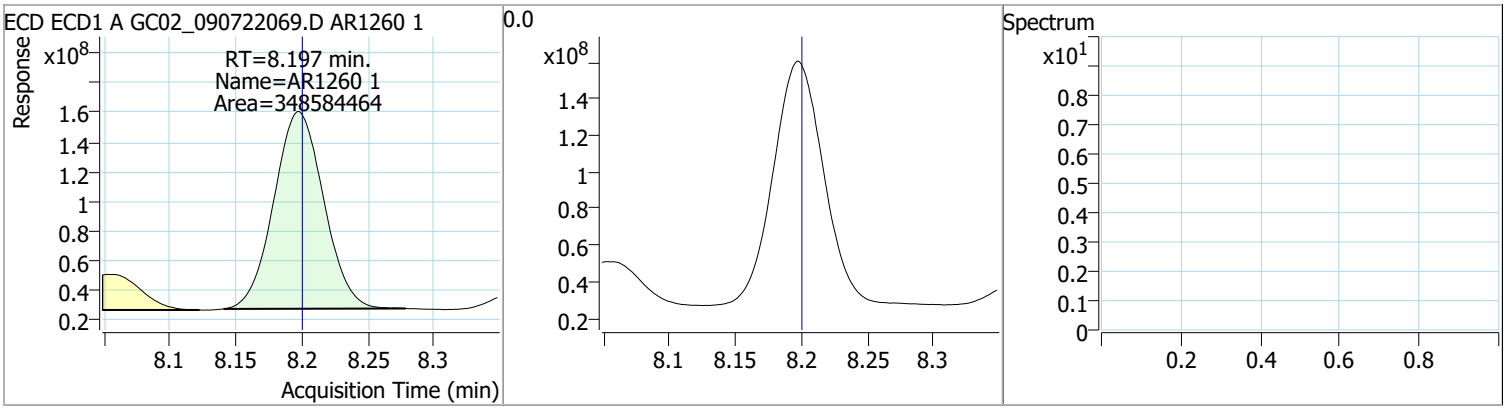
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	886.5839	6.62	0.00	11712859				



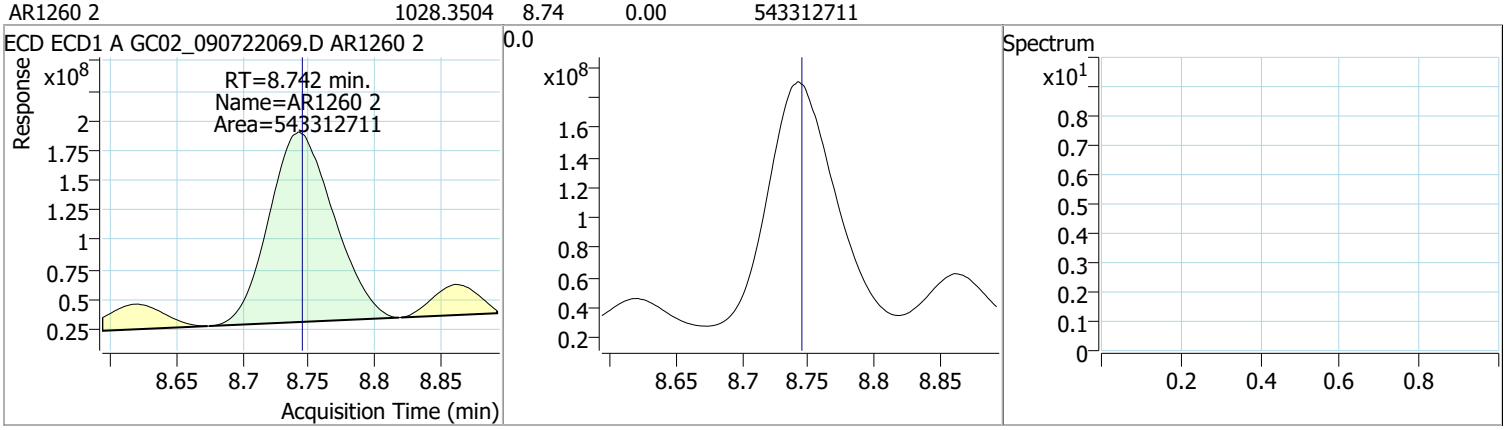
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	910.8815	7.25	0.00	10256343				



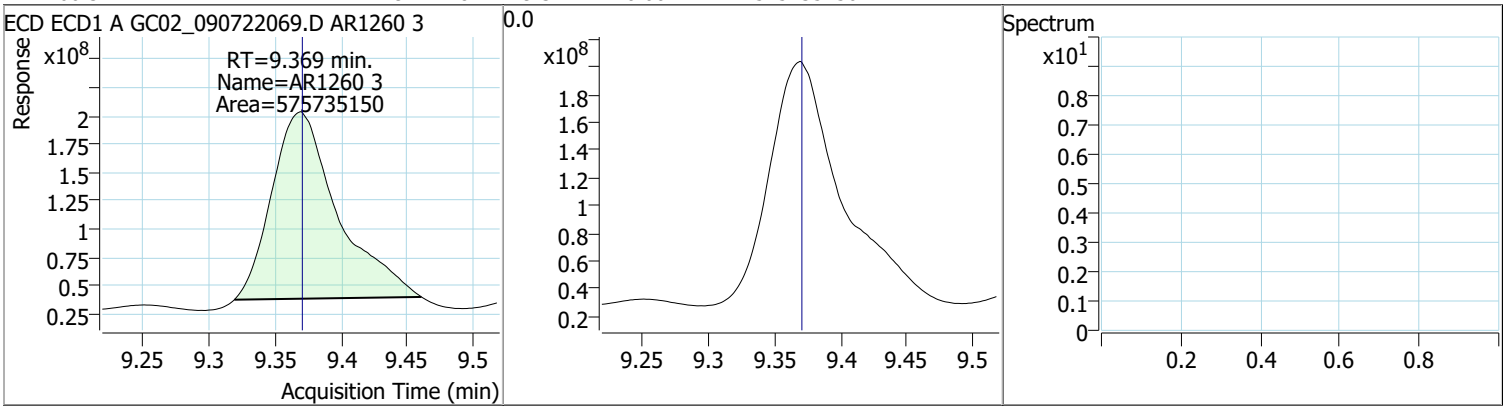
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1008.5357	8.20	0.00	348584464				



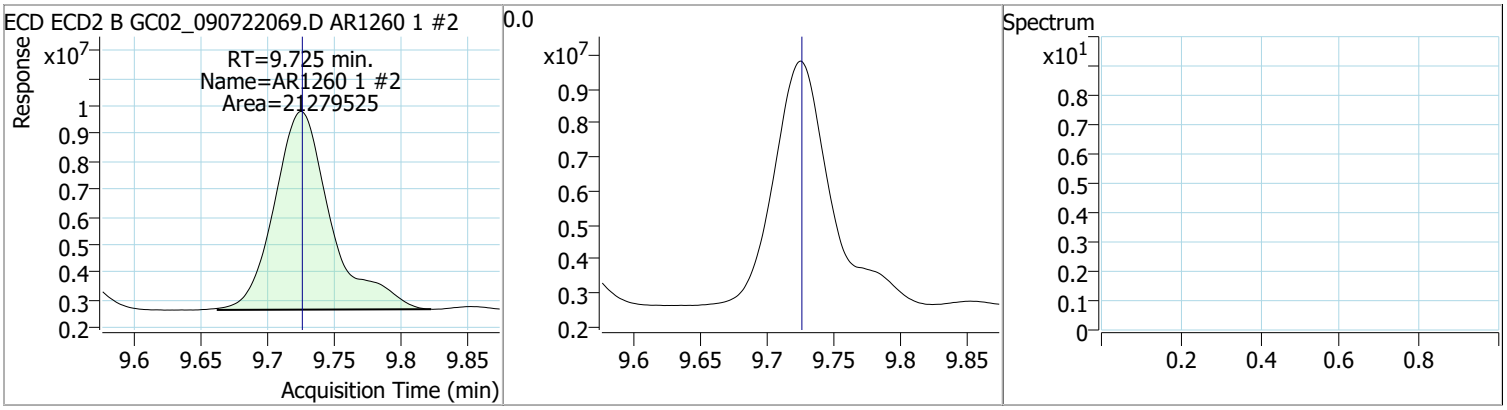
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1028.3504	8.74	0.00	543312711				



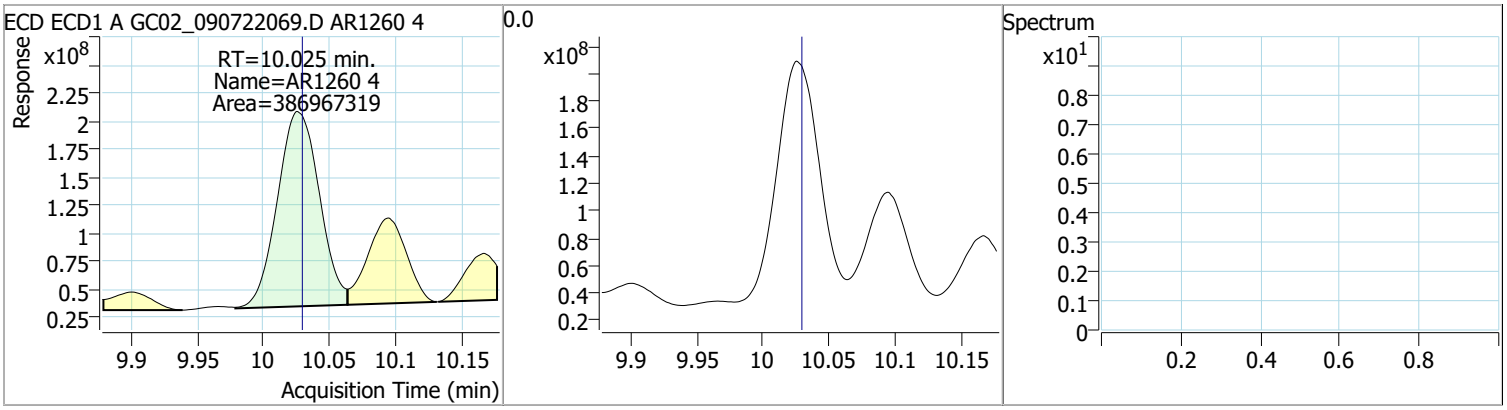
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	922.1787	9.37	0.00	575735150				



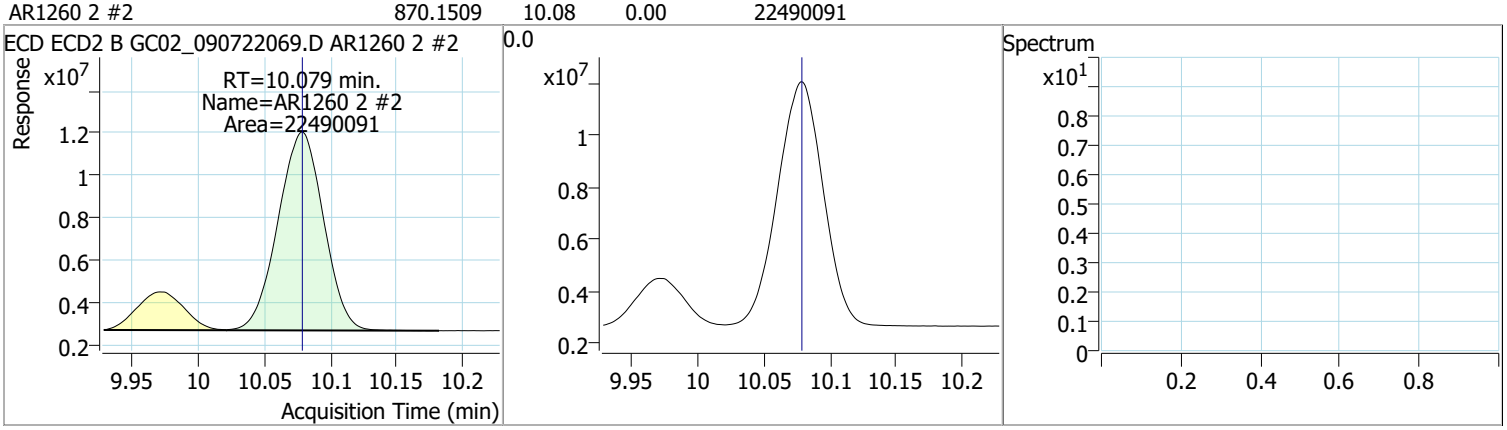
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	927.6391	9.72	0.00	21279525				



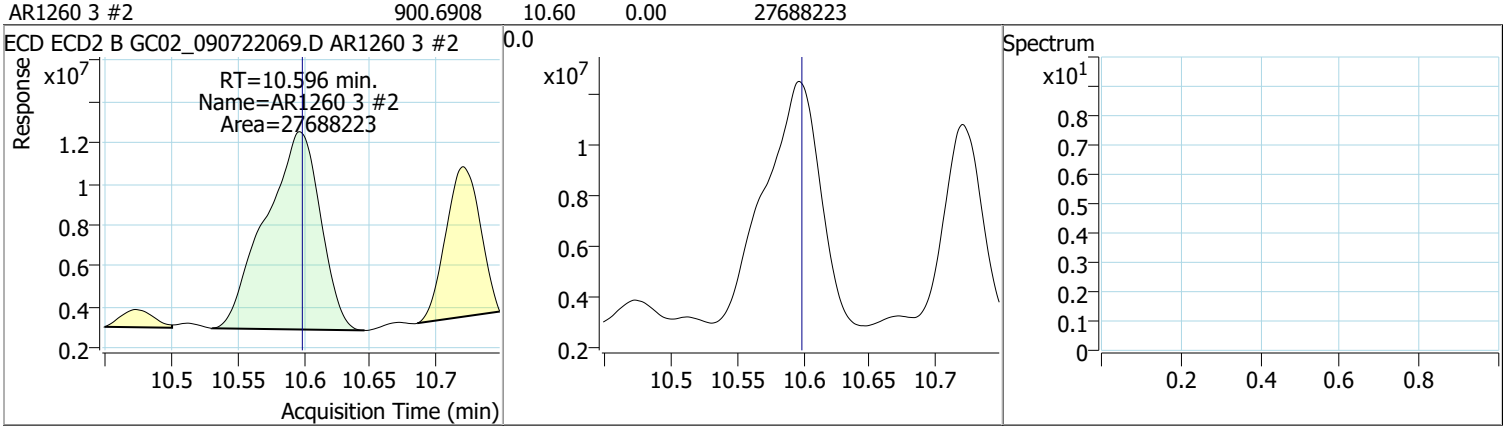
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1088.4218	10.03	0.00	386967319				



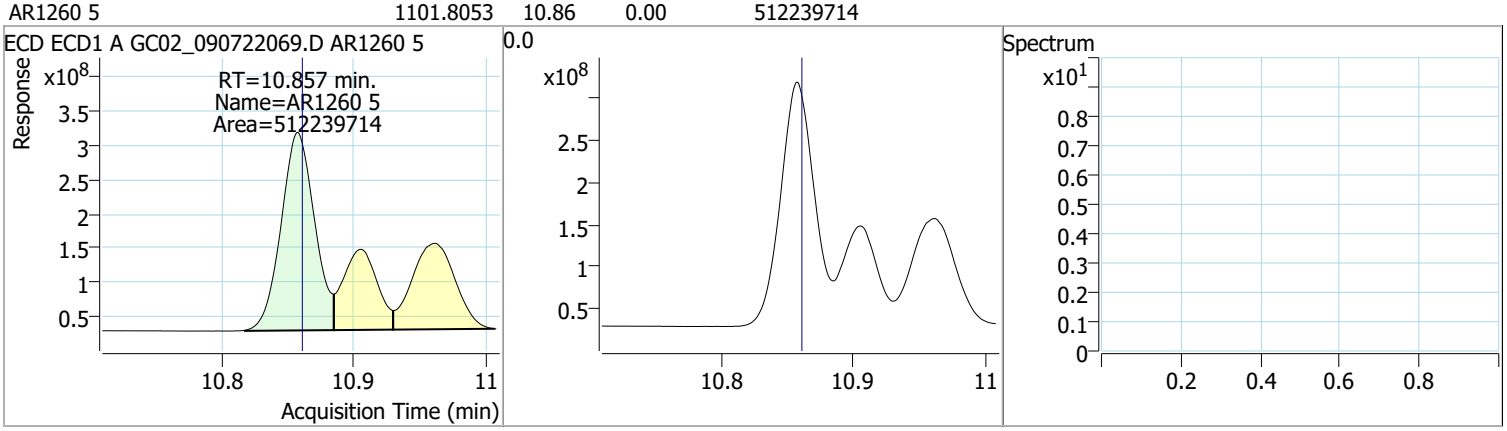
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	870.1509	10.08	0.00	22490091				



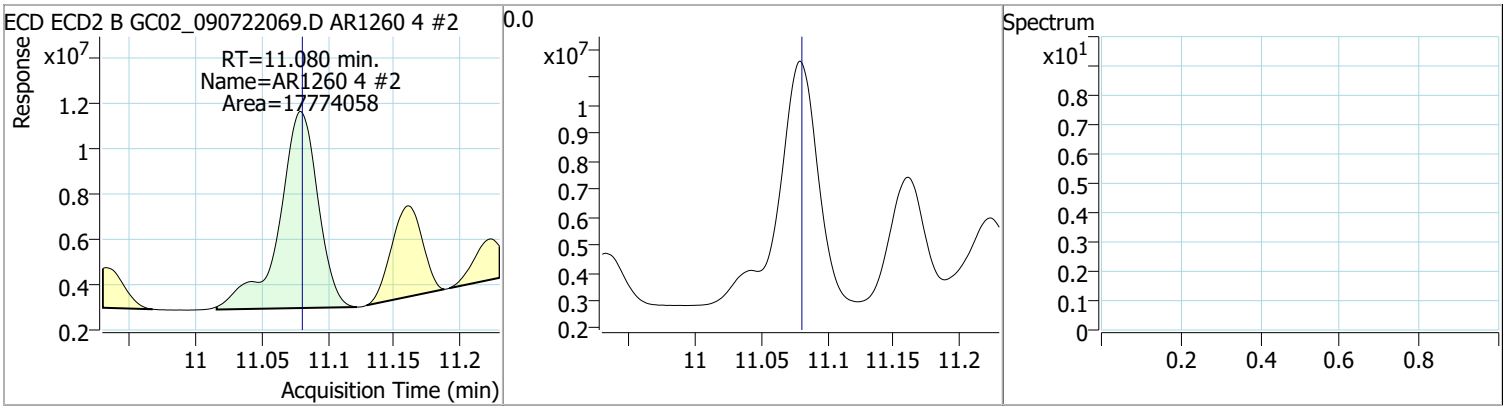
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	900.6908	10.60	0.00	27688223				



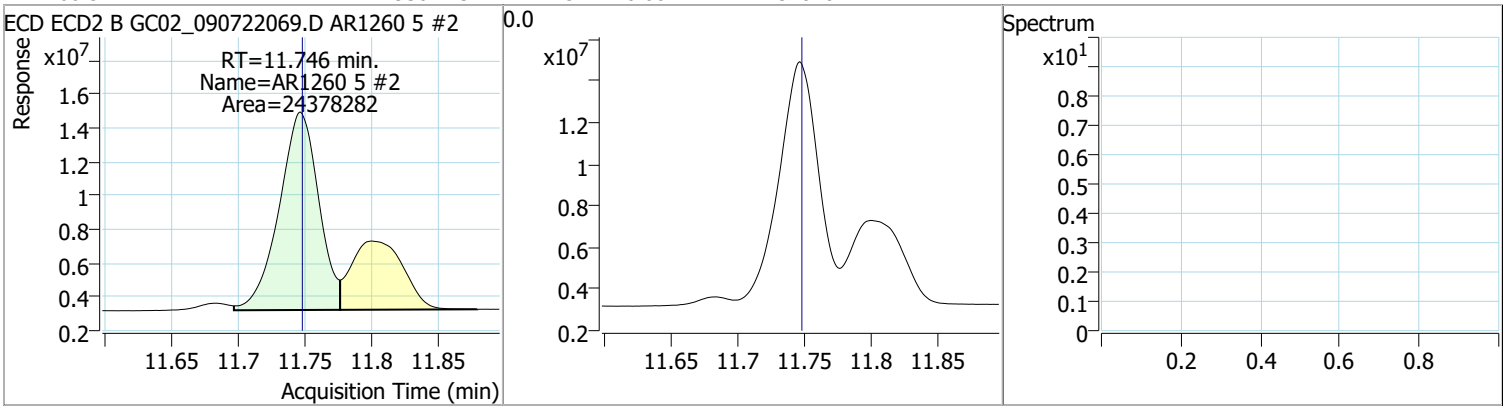
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1101.8053	10.86	0.00	512239714				



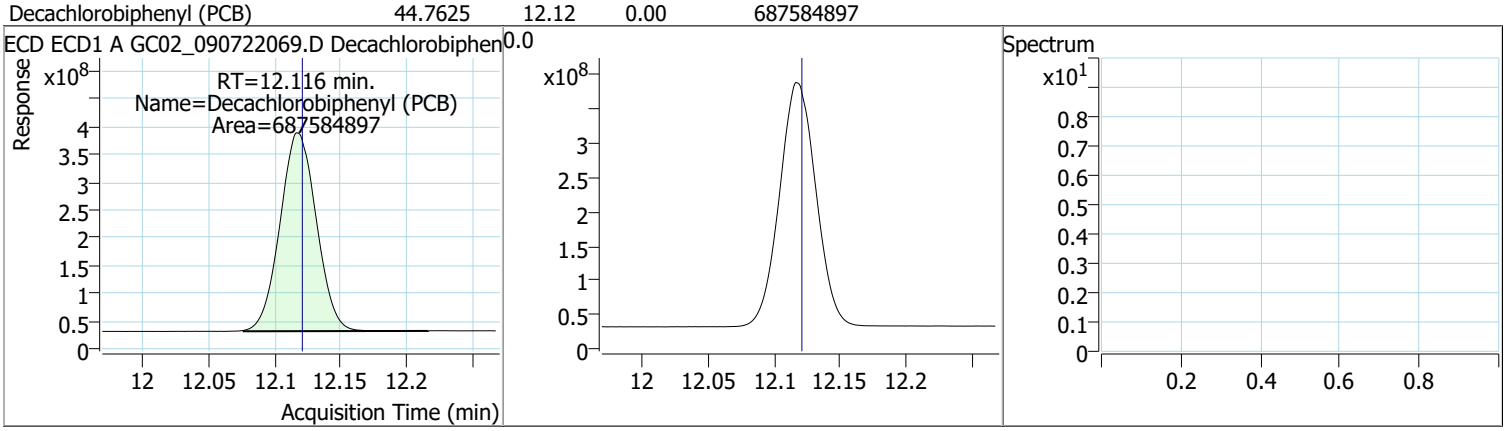
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1003.8120	11.08	0.00	17774058				



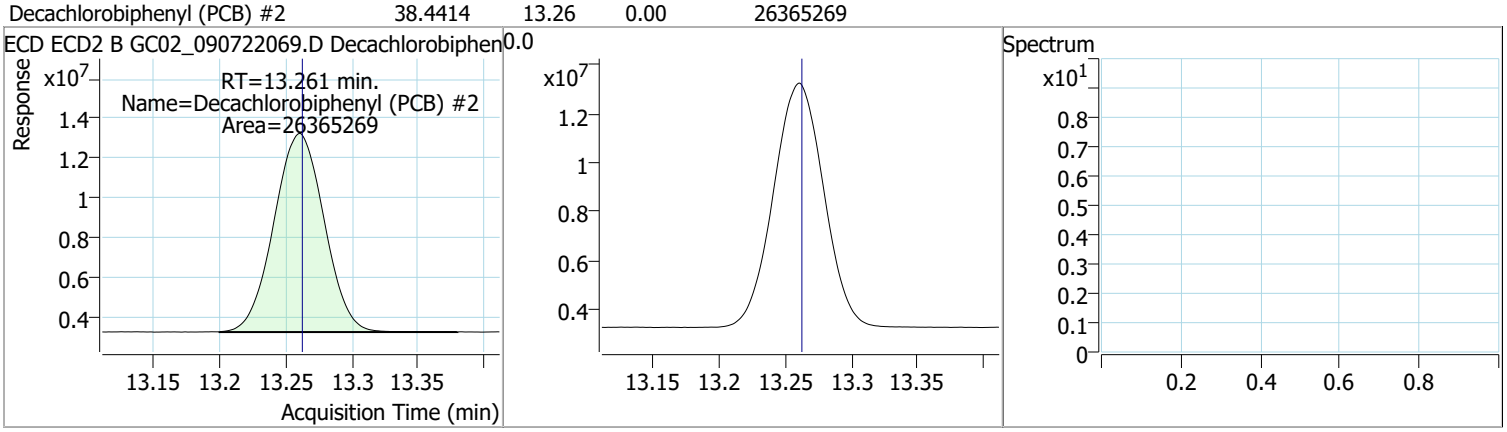
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	930.4134	11.75	0.00	24378282				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	44.7625	12.12	0.00	687584897				

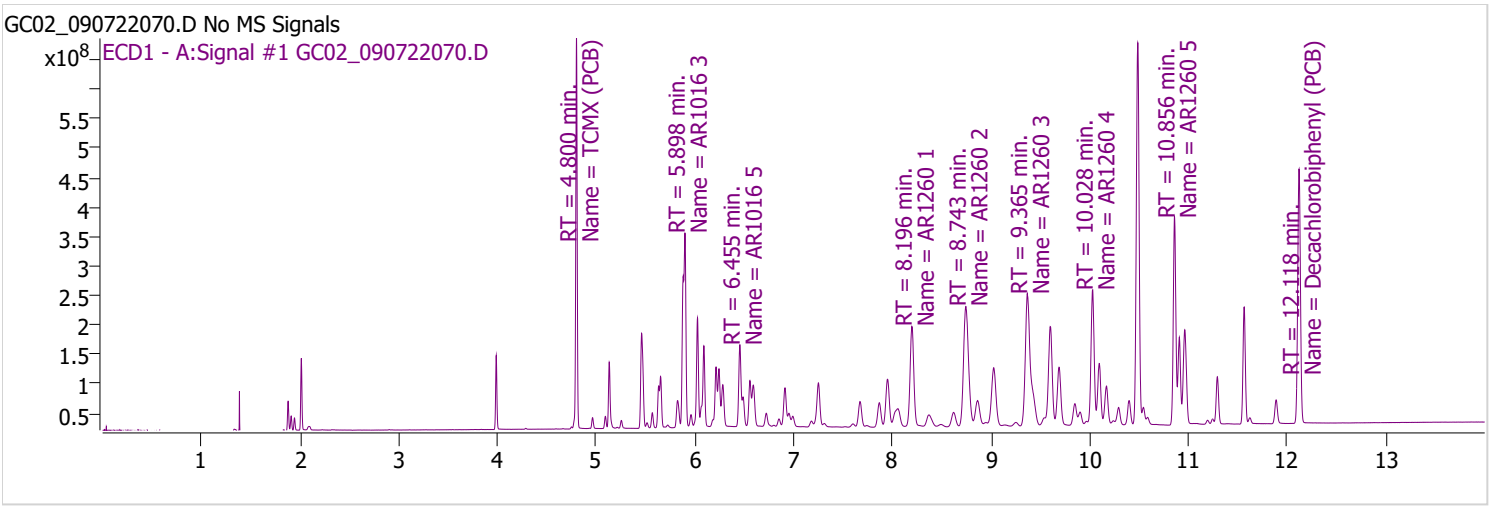


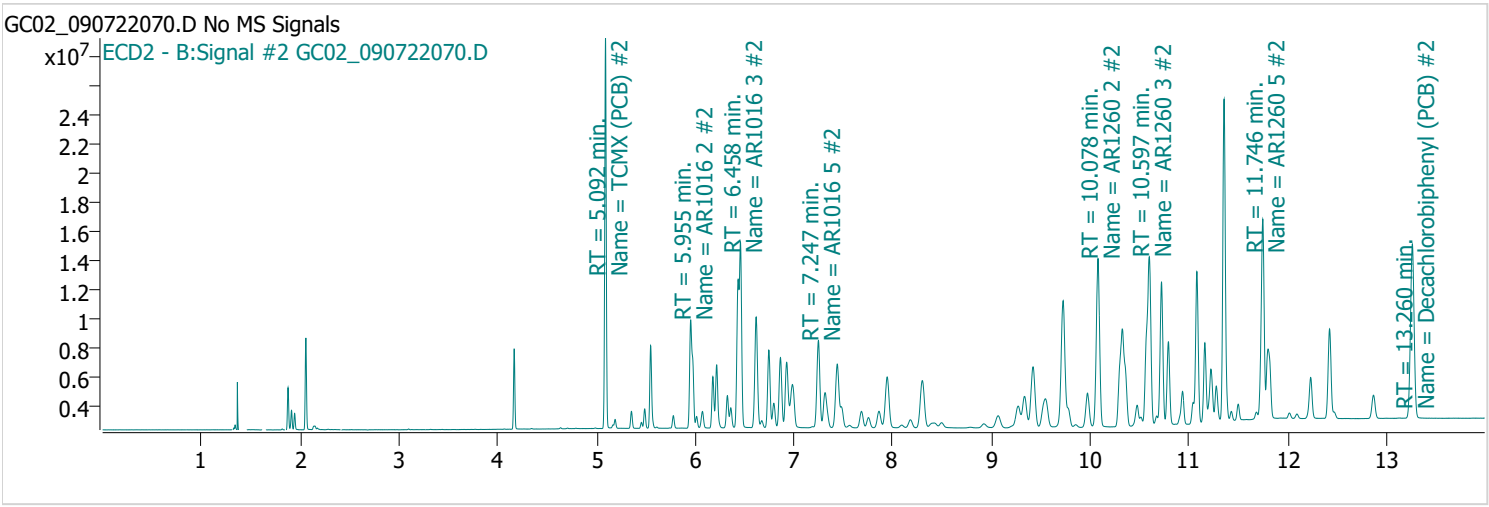
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.4414	13.26	0.00	26365269				



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			



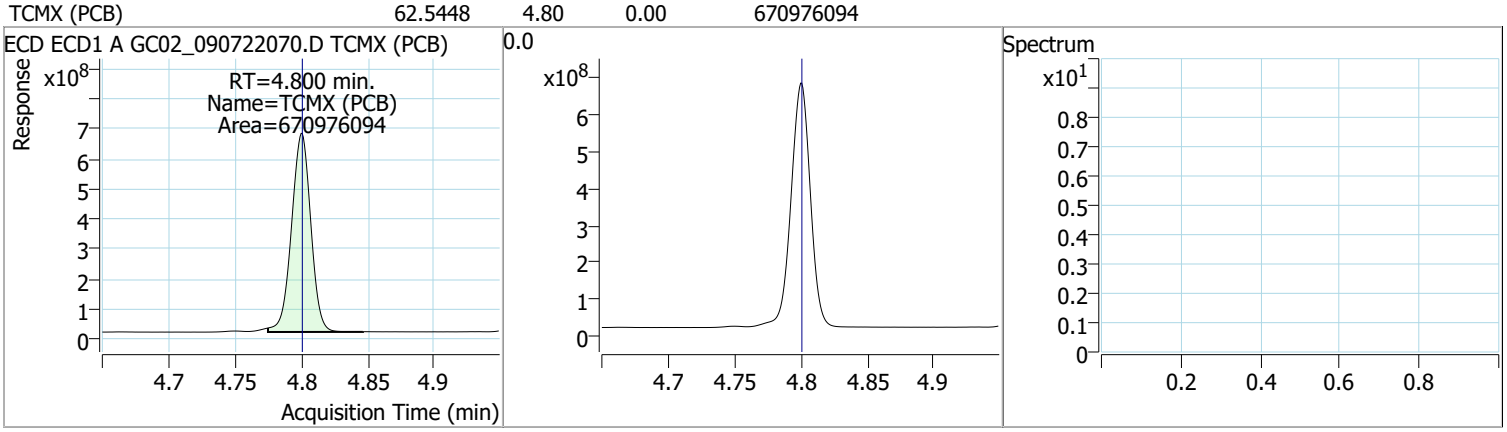


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	113397684.602	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.167	0.0	5133390.207	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.800	0.0	670976093.984	62.5448	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

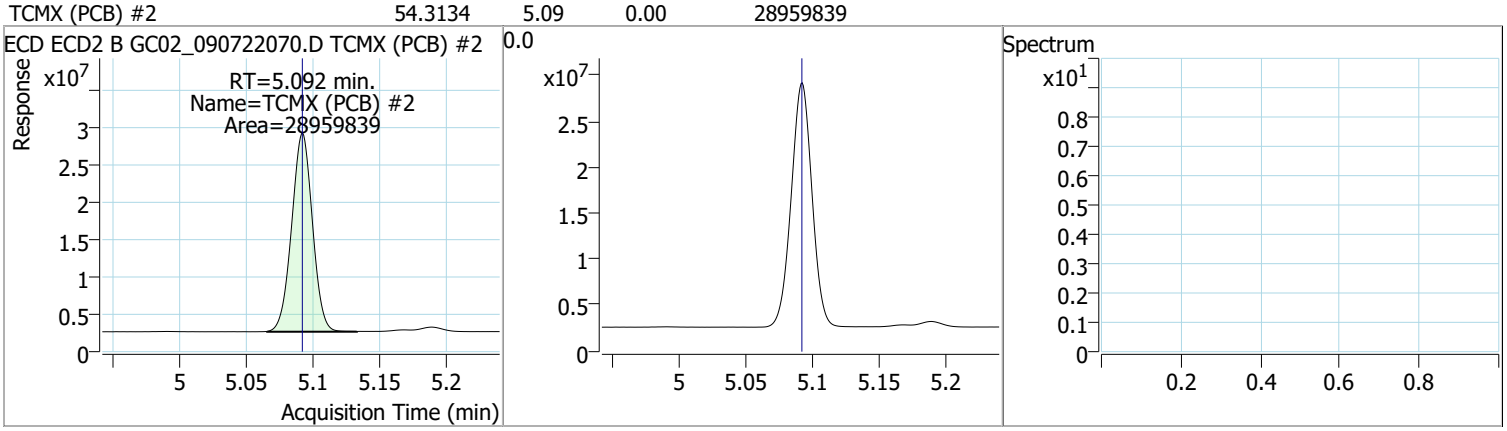
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.131	0.0	134146055.261	1345.0544	ng/ml		100
T AR1016 2	5.460	0.0	269769906.629	1401.1631	ng/ml		100
T AR1016 1 #2	5.549	0.0	7641676.950	1178.1127	ng/ml		100
T AR1016 3	5.898	0.0	434123819.008	1496.1477	ng/ml	m	100
T AR1016 2 #2	5.955	0.0	16129341.007	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

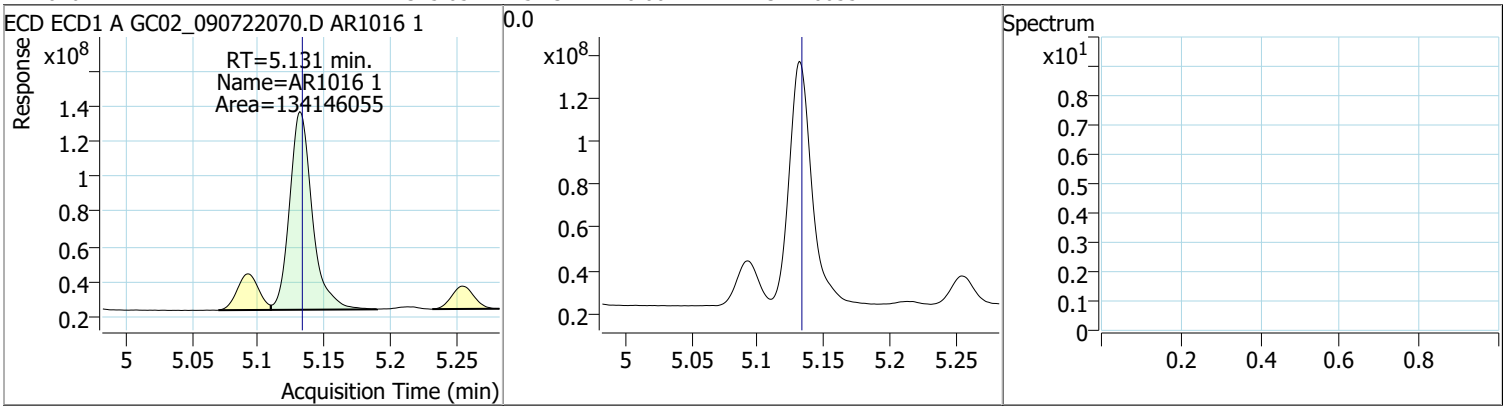
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	62.5448	4.80	0.00	670976094				



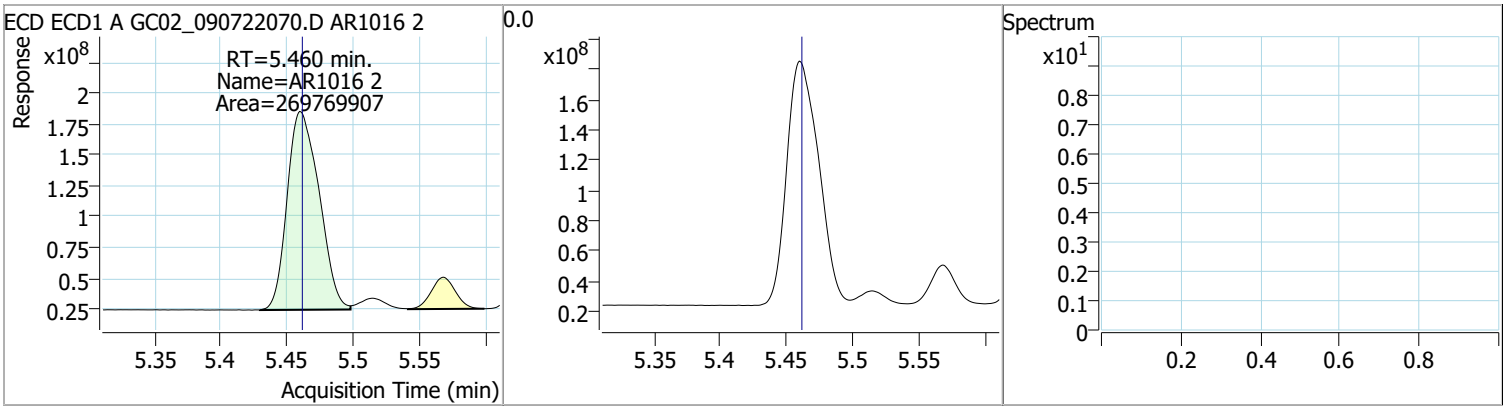
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	54.3134	5.09	0.00	28959839				



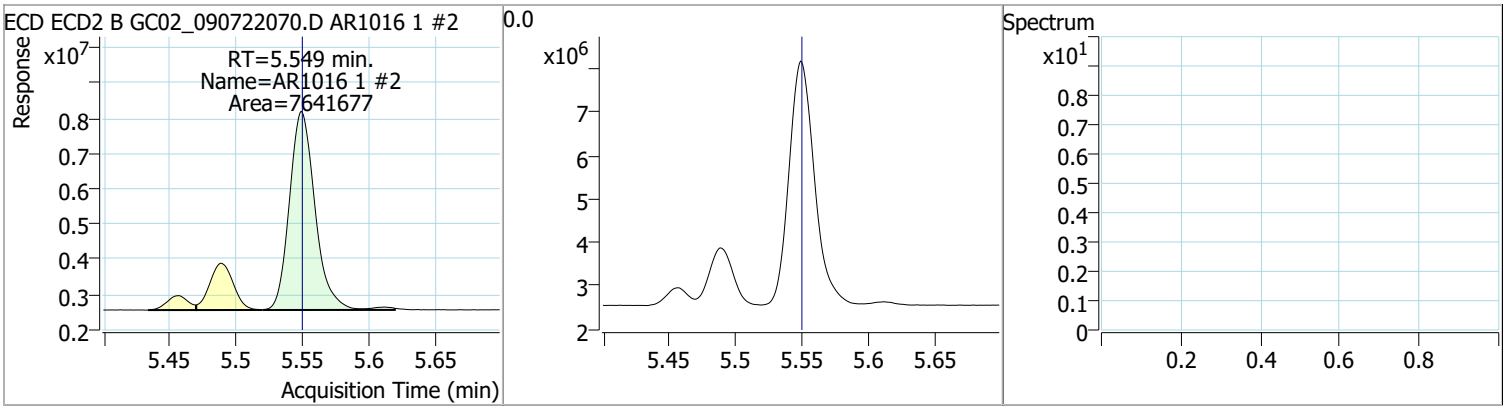
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1345.0544	5.13	0.00	134146055				



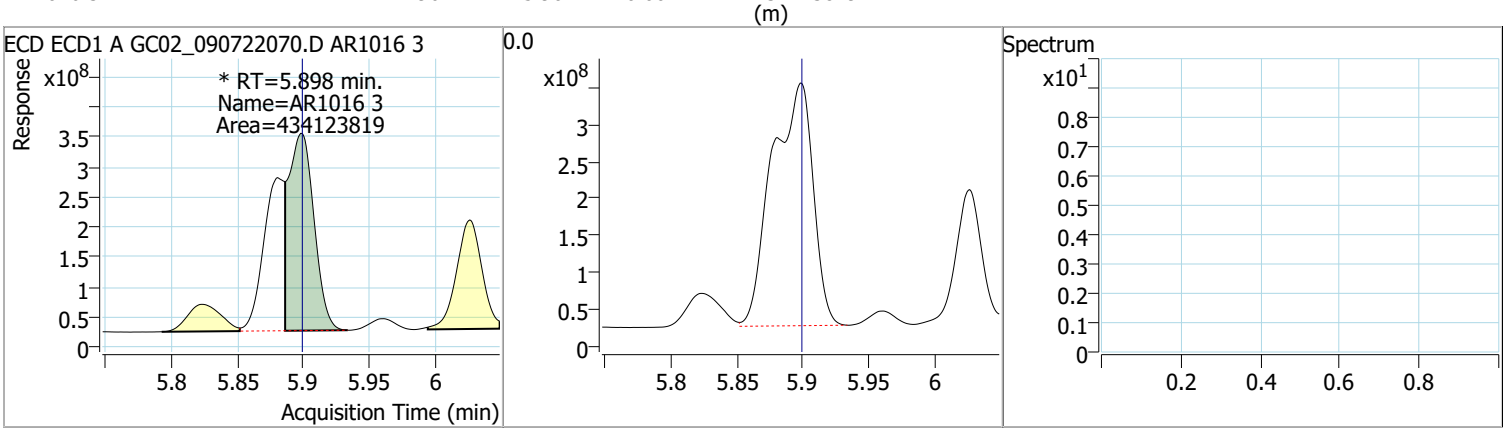
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1401.1631	5.46	0.00	269769907				



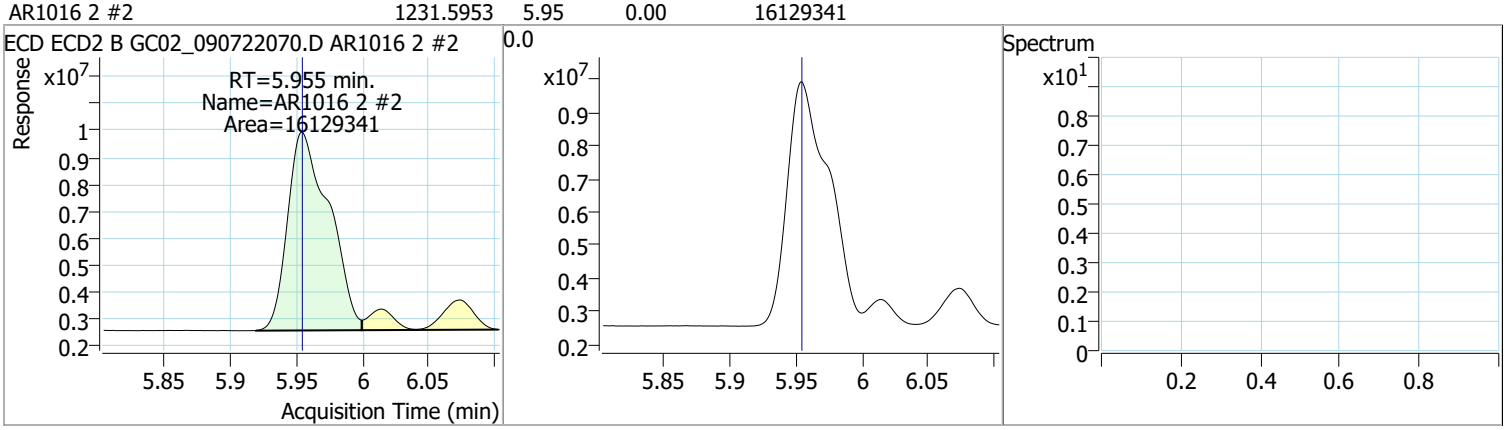
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1178.1127	5.55	0.00	7641677				



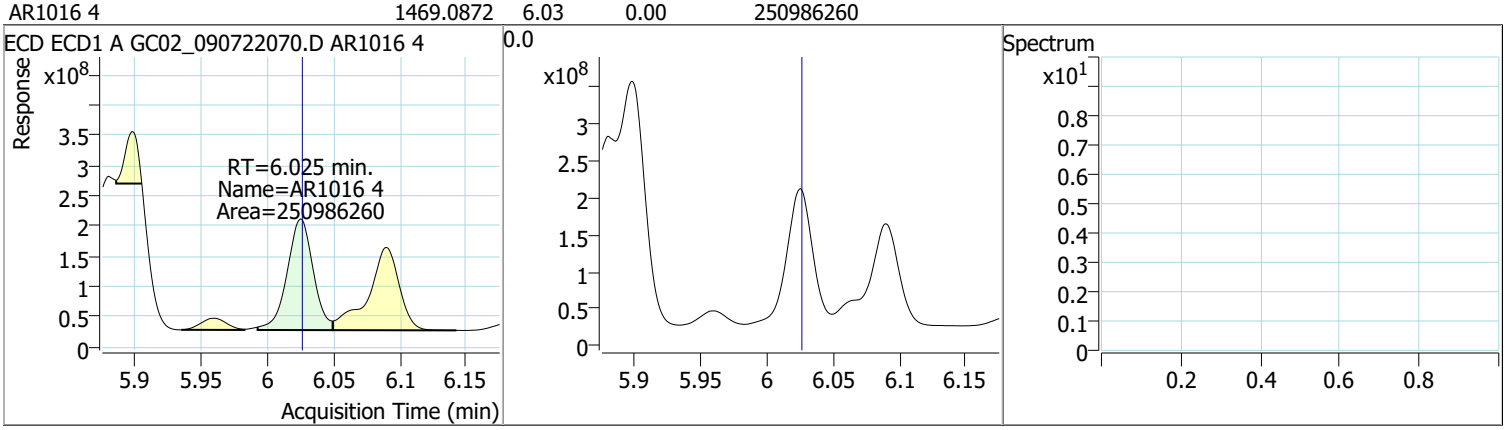
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1496.1477	5.90	0.00	434123819 (m)				



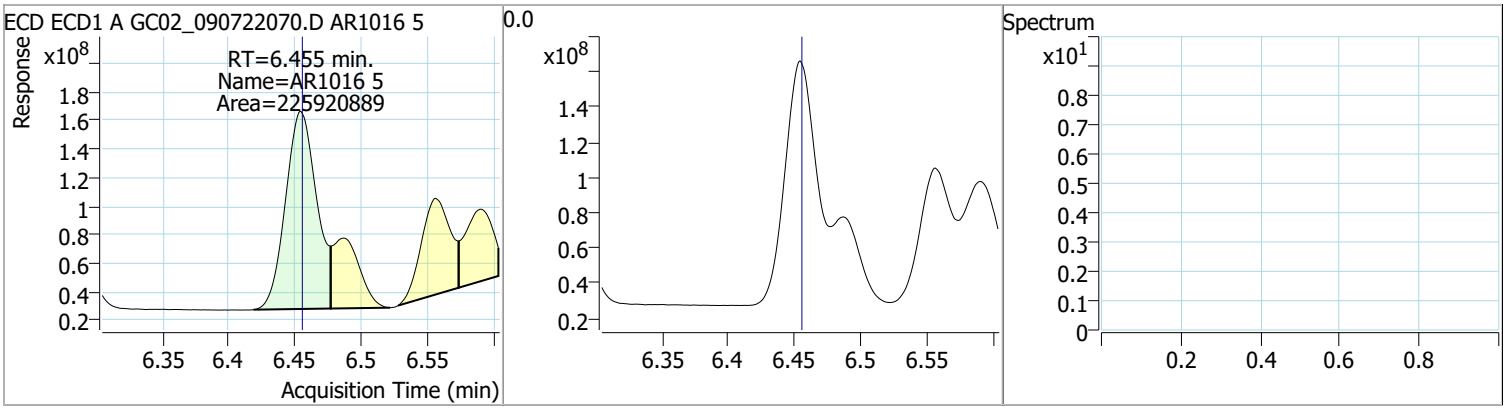
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1231.5953	5.95	0.00	16129341				



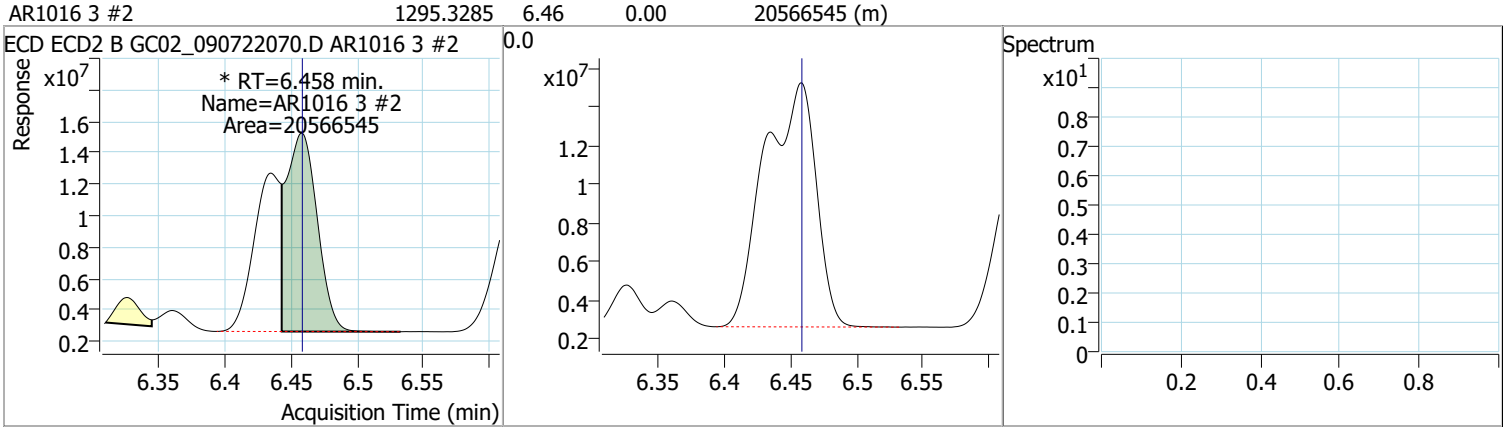
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1469.0872	6.03	0.00	250986260				



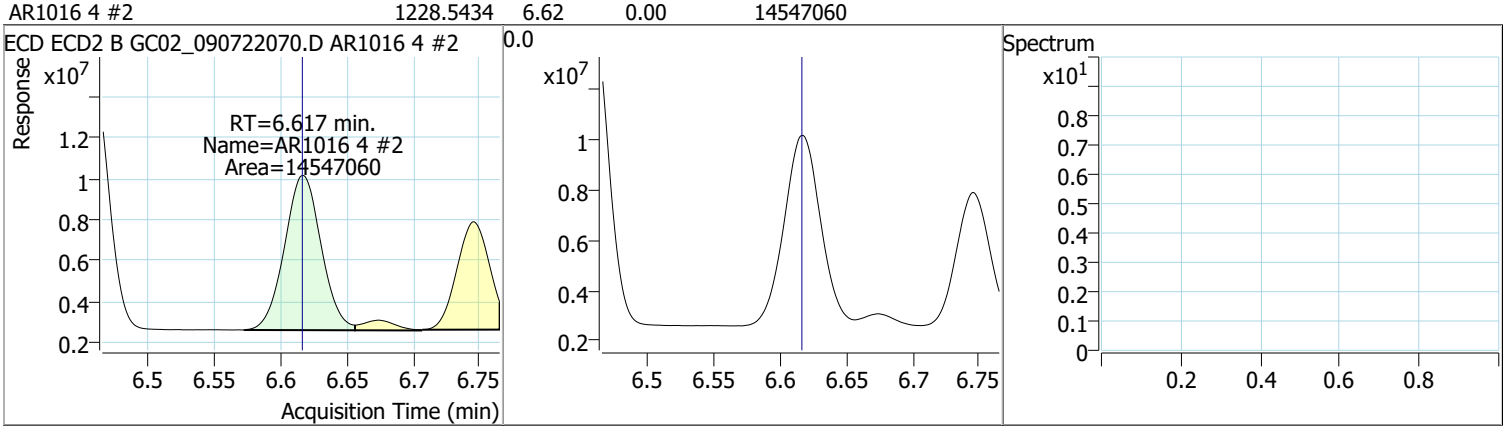
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1435.7823	6.45	0.00	225920889				



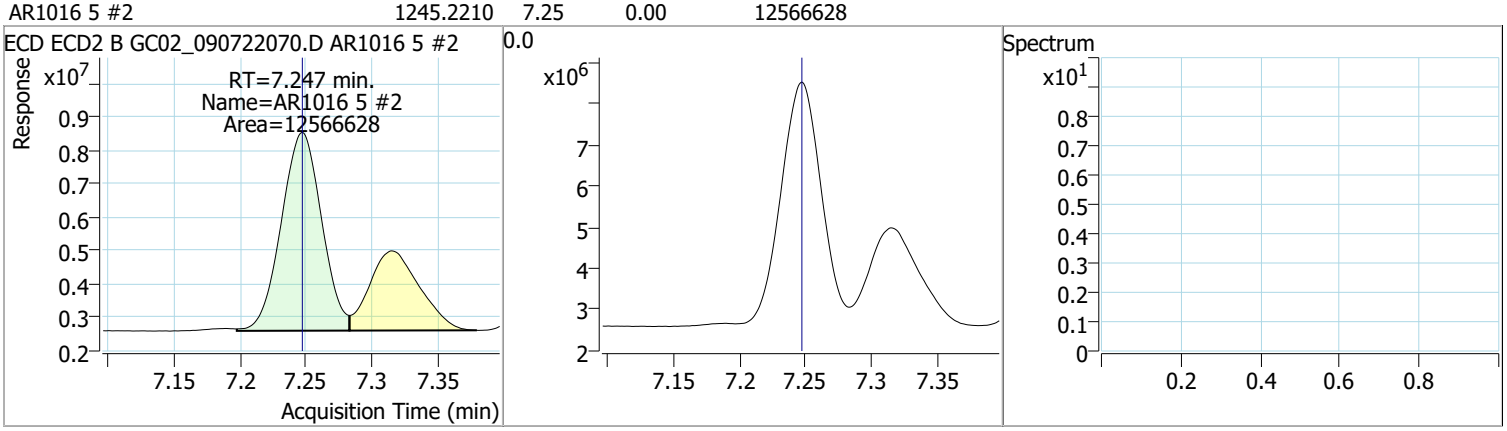
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1295.3285	6.46	0.00	20566545 (m)				



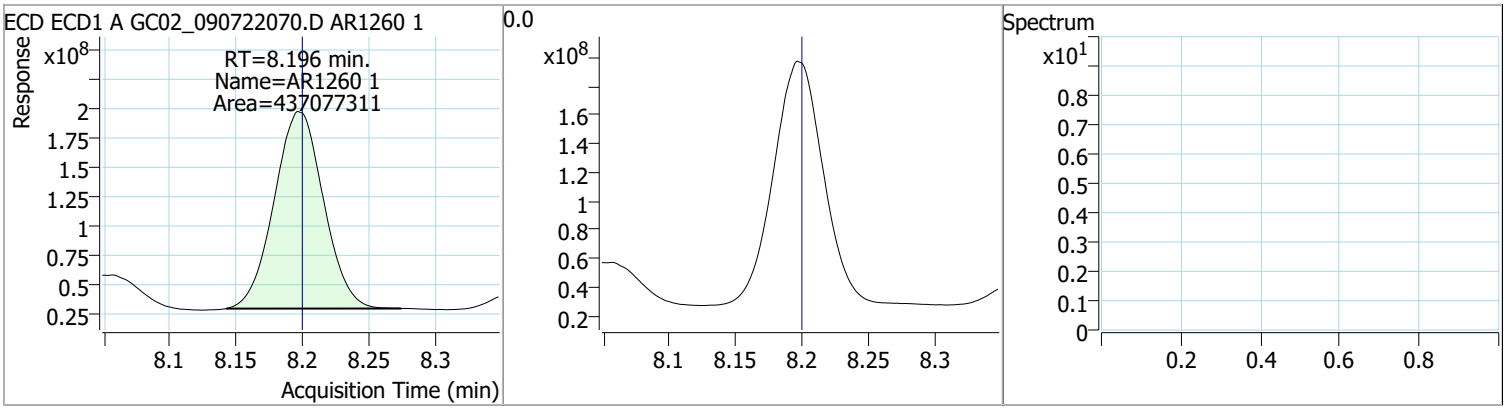
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1228.5434	6.62	0.00	14547060				



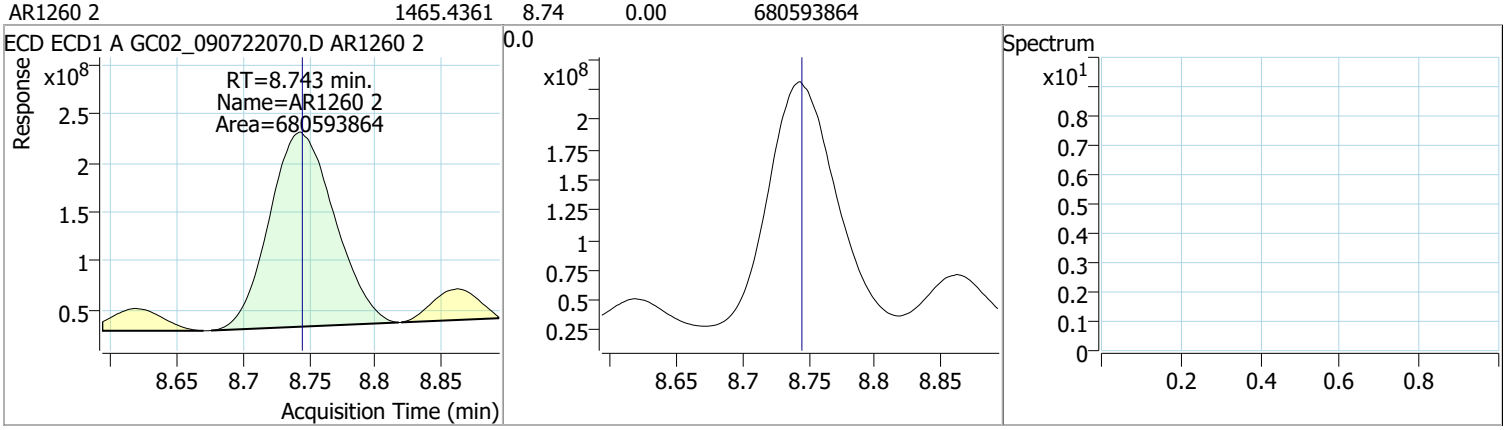
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1245.2210	7.25	0.00	12566628				



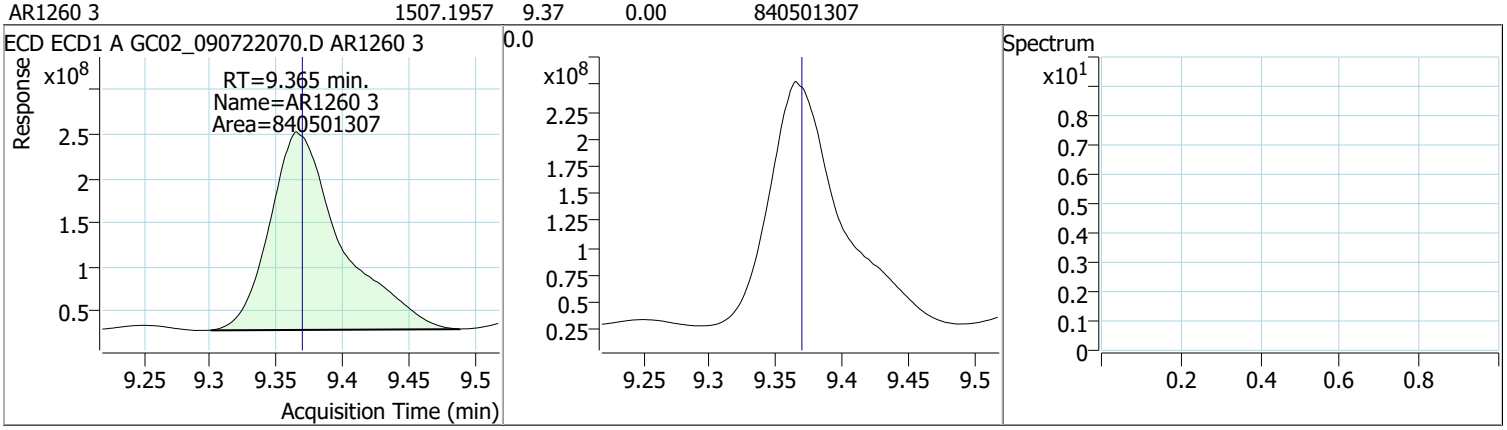
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1438.5638	8.20	0.00	437077311				



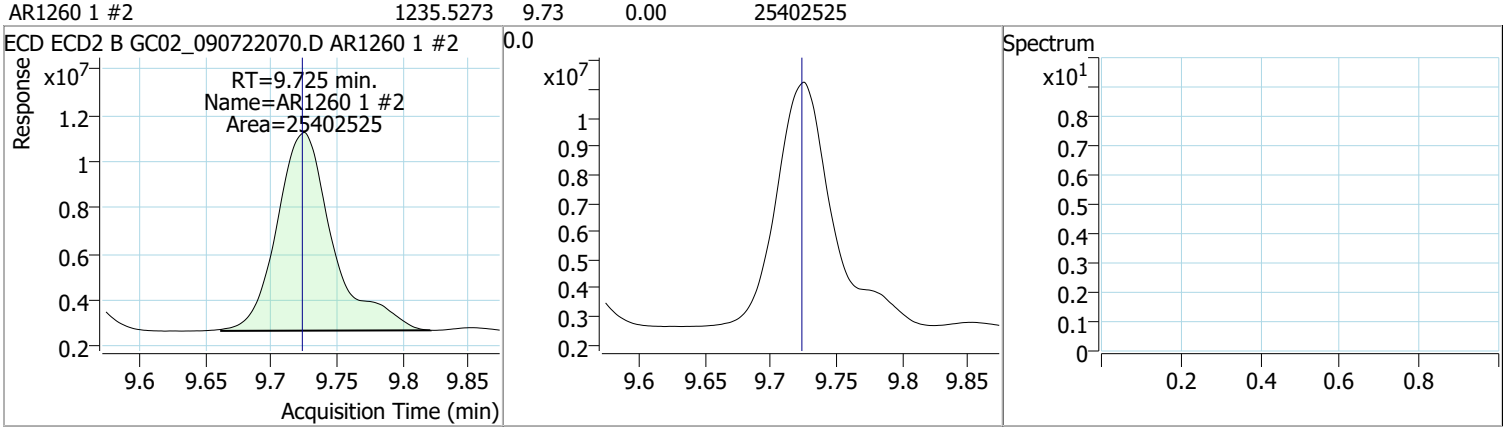
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1465.4361	8.74	0.00	680593864				



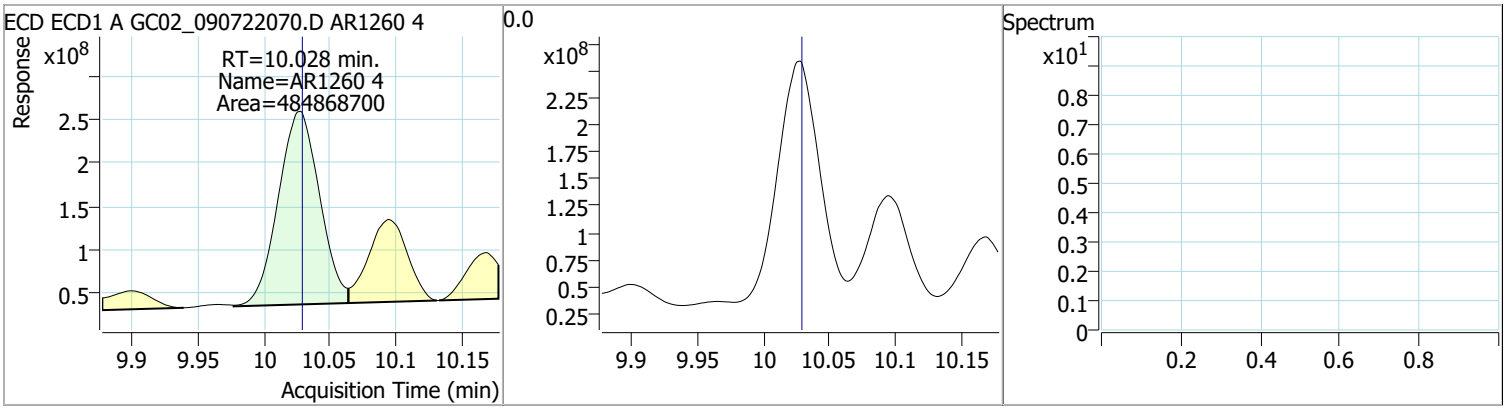
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1507.1957	9.37	0.00	840501307				



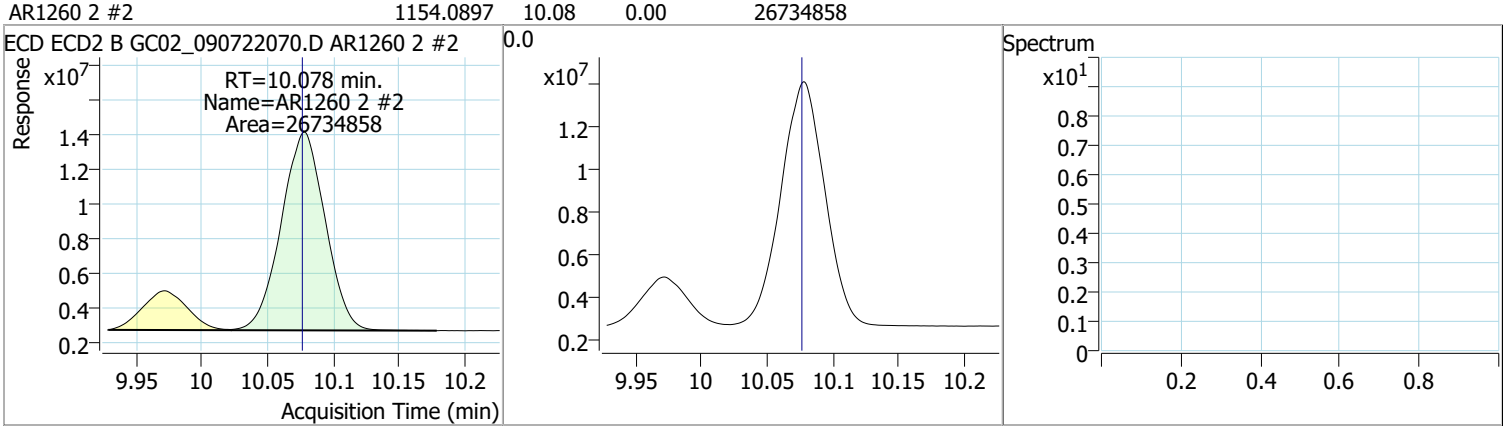
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1235.5273	9.73	0.00	25402525				



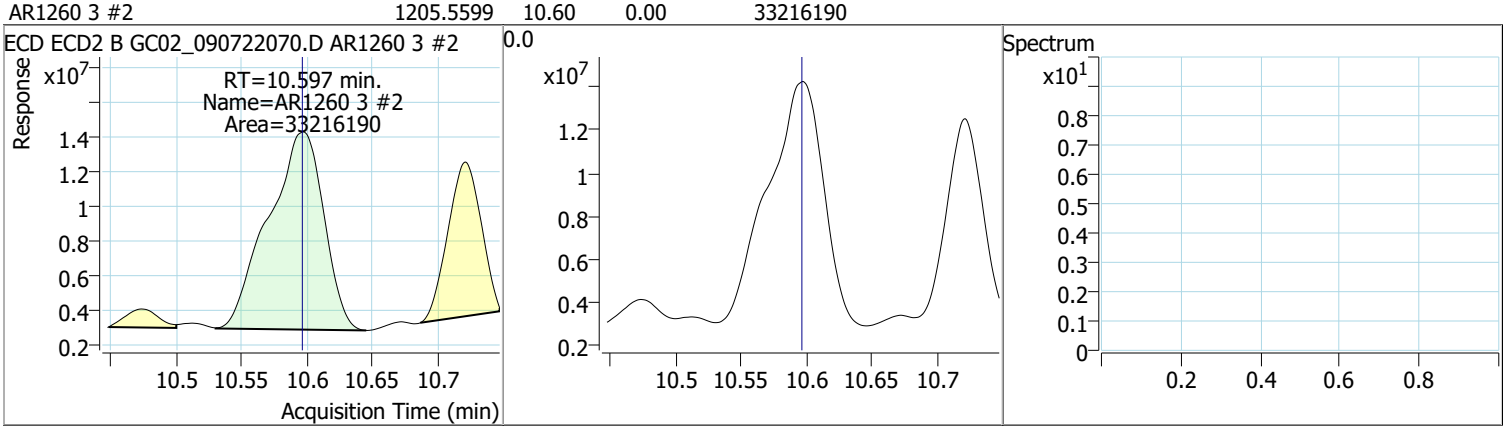
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1551.4389	10.03	0.00	484868700				



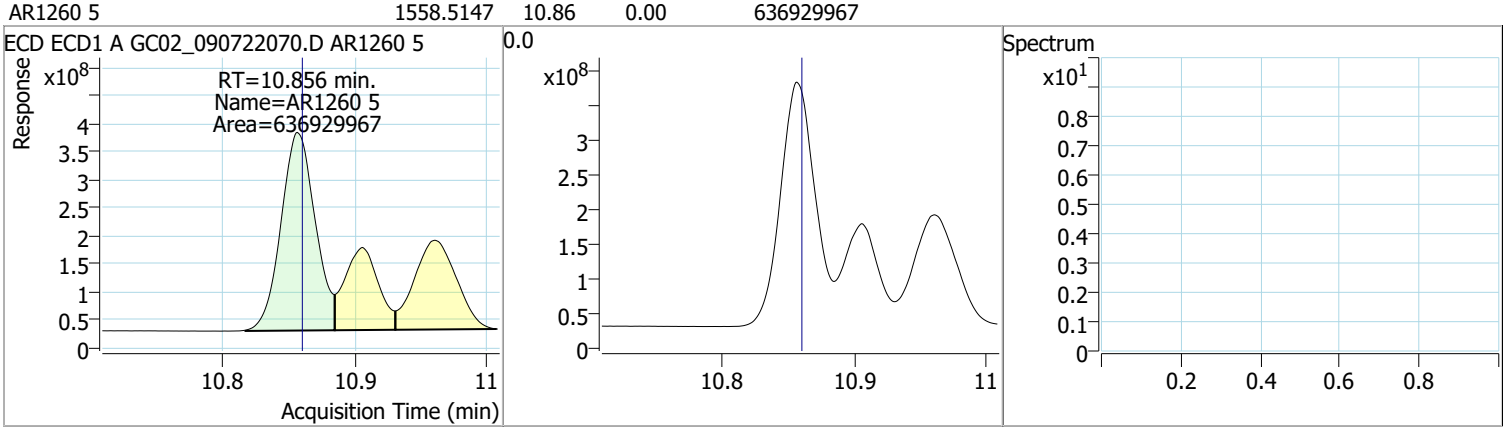
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1154.0897	10.08	0.00	26734858				



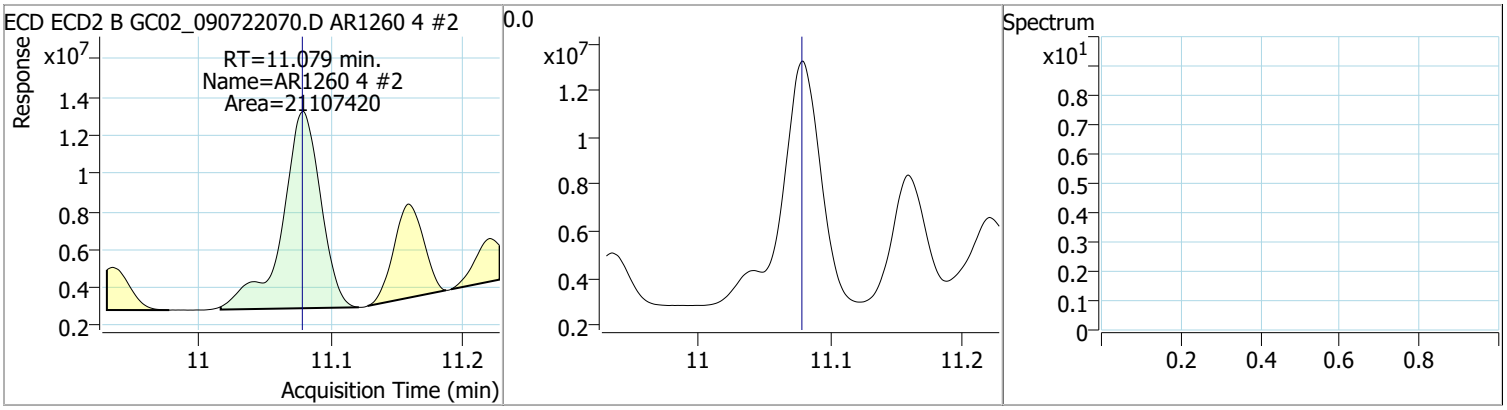
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1205.5599	10.60	0.00	33216190				



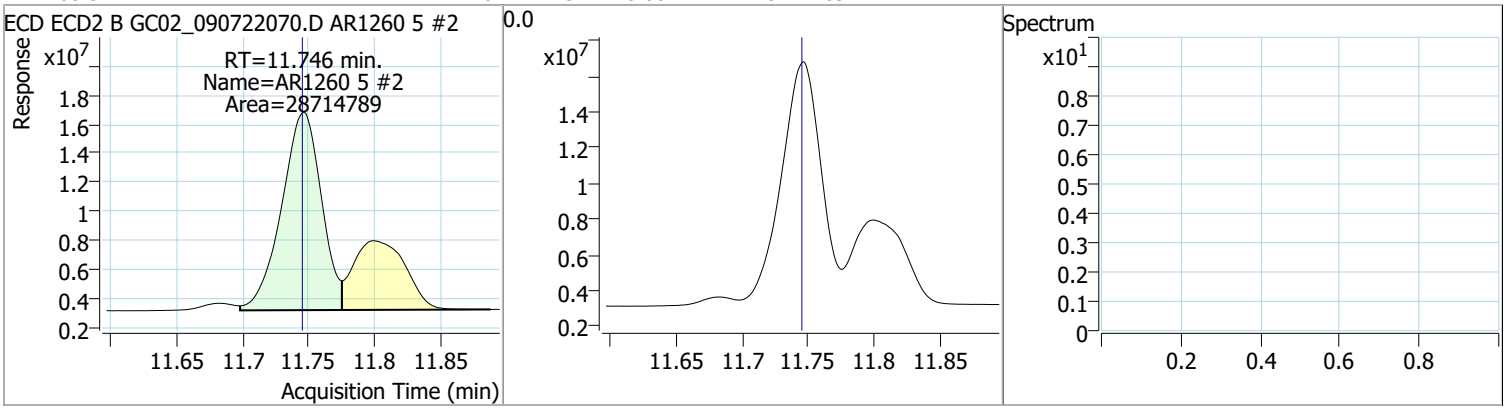
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1558.5147	10.86	0.00	636929967				



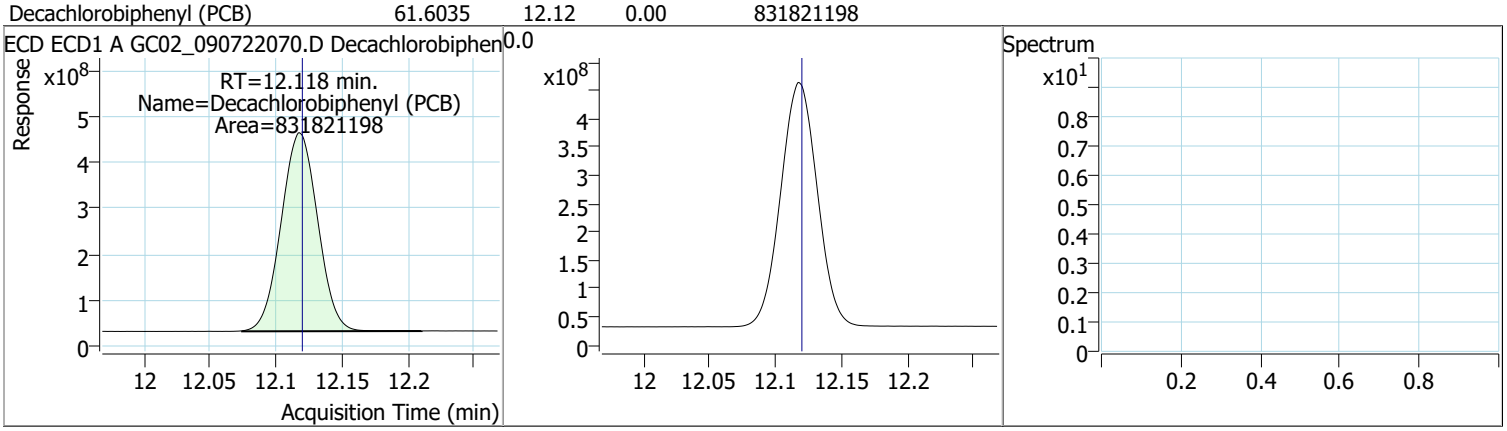
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1330.0234	11.08	0.00	21107420				



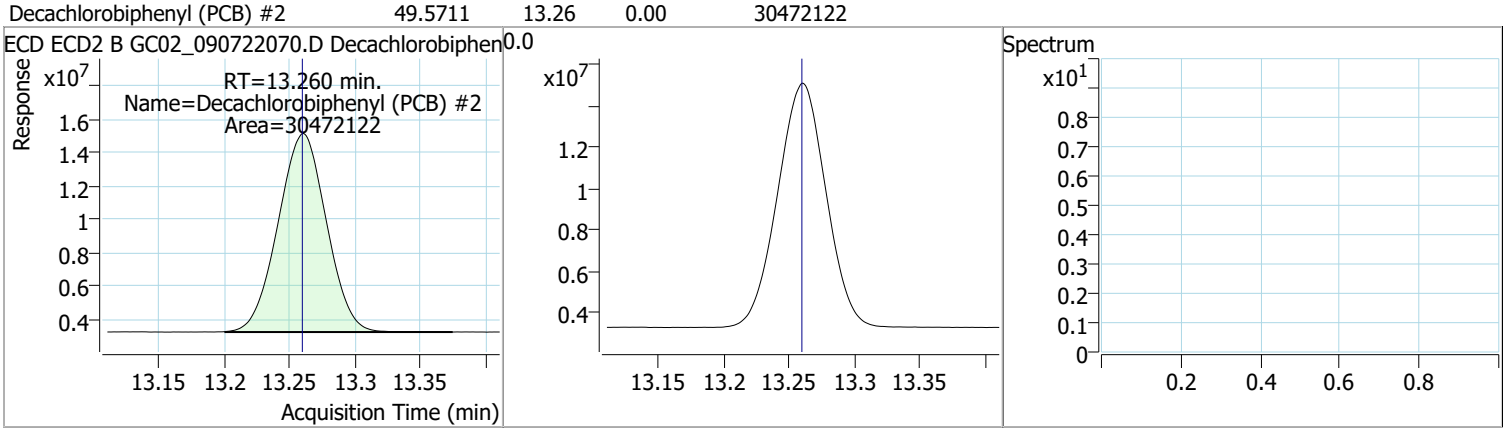
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1222.7476	11.75	0.00	28714789				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	61.6035	12.12	0.00	831821198				

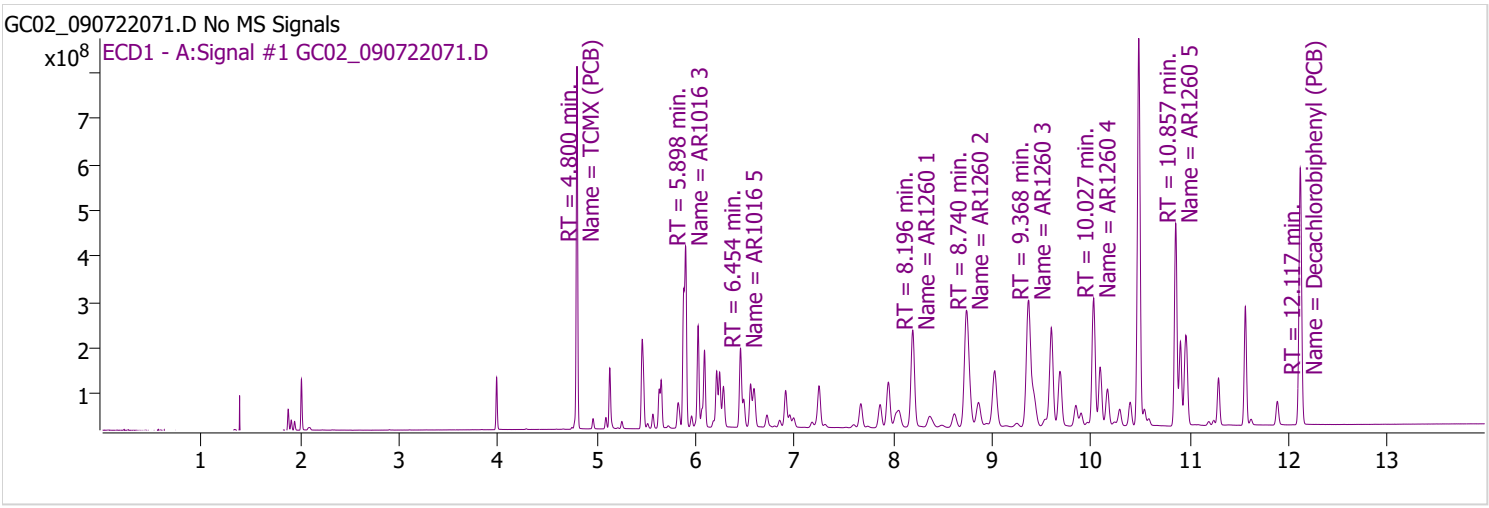


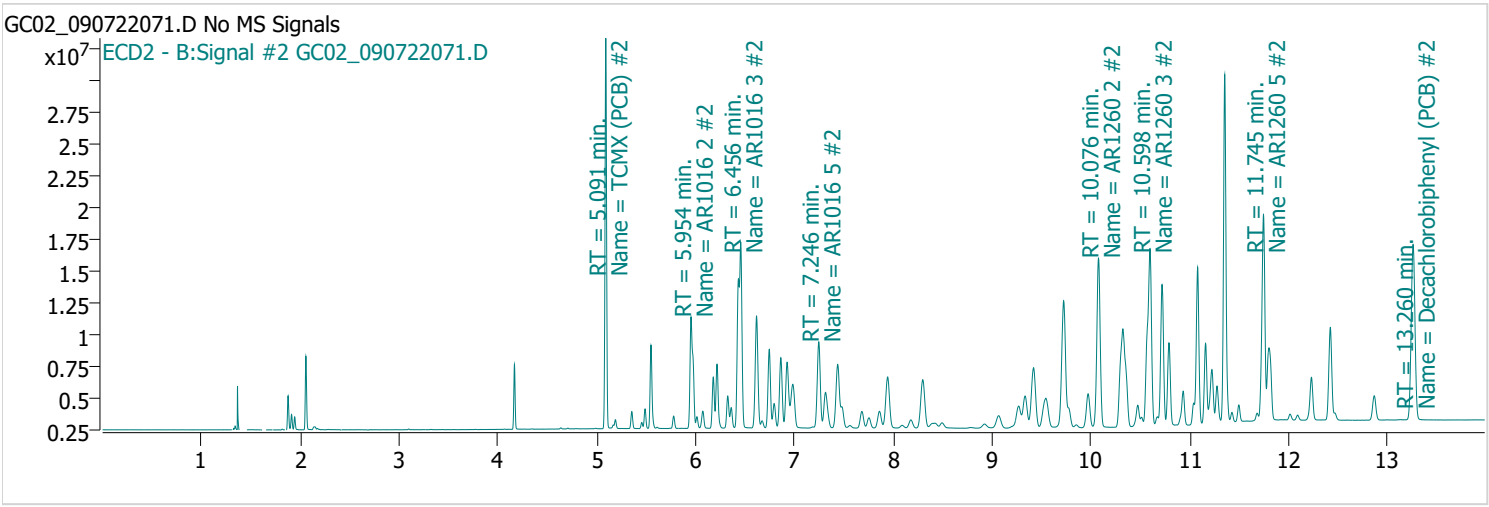
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	49.5711	13.26	0.00	30472122				



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			



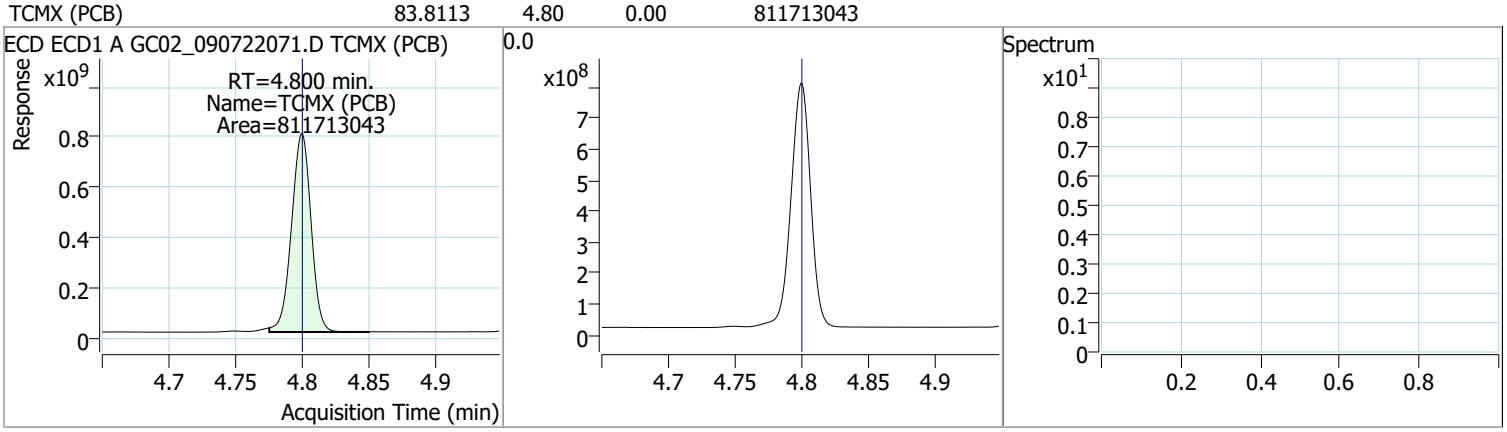


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	102373677.830	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.167	0.0	4699470.274	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.800	0.0	811713042.543	83.8113	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

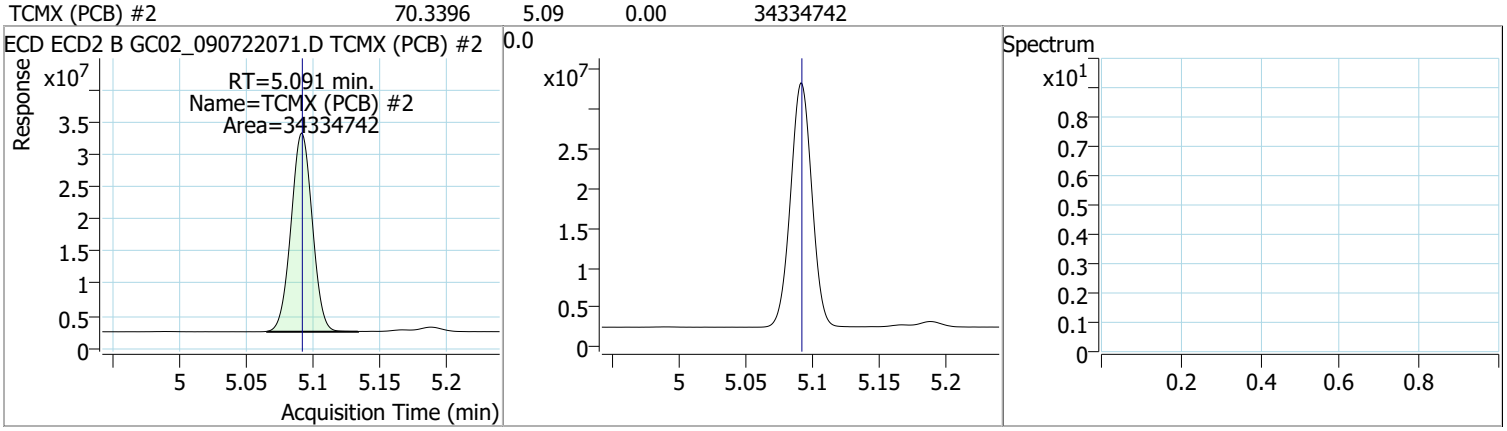
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.131	0.0	160343931.501	1780.8623	ng/ml		100
T AR1016 2	5.460	0.0	322374052.188	1854.6892	ng/ml		100
T AR1016 1 #2	5.549	0.0	8876743.105	1494.8830	ng/ml		100
T AR1016 3	5.898	0.0	557671125.078	2128.8982	ng/ml	m	100
T AR1016 2 #2	5.954	0.0	18672844.732	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

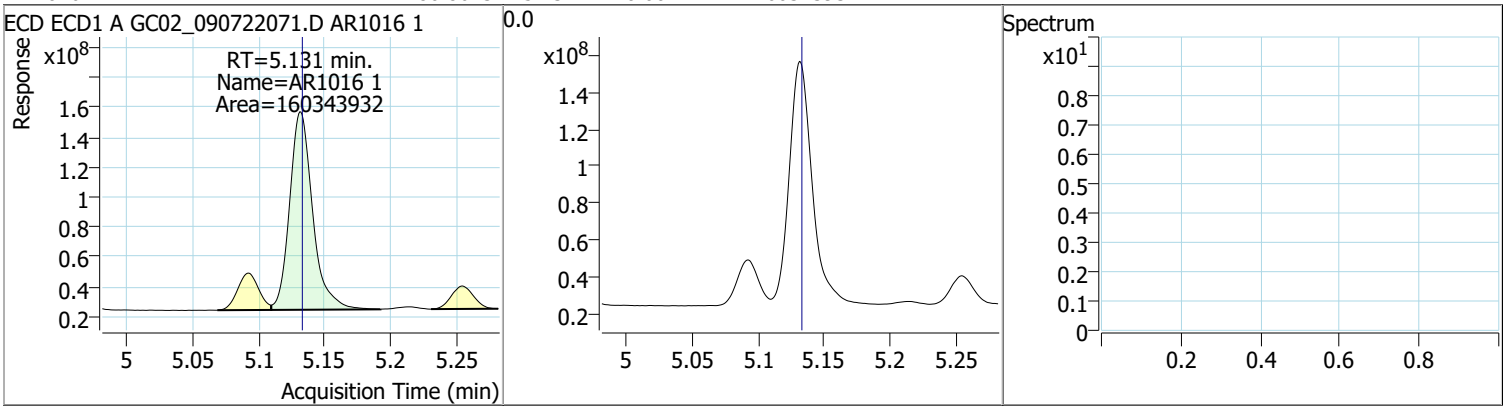
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	83.8113	4.80	0.00	811713043				



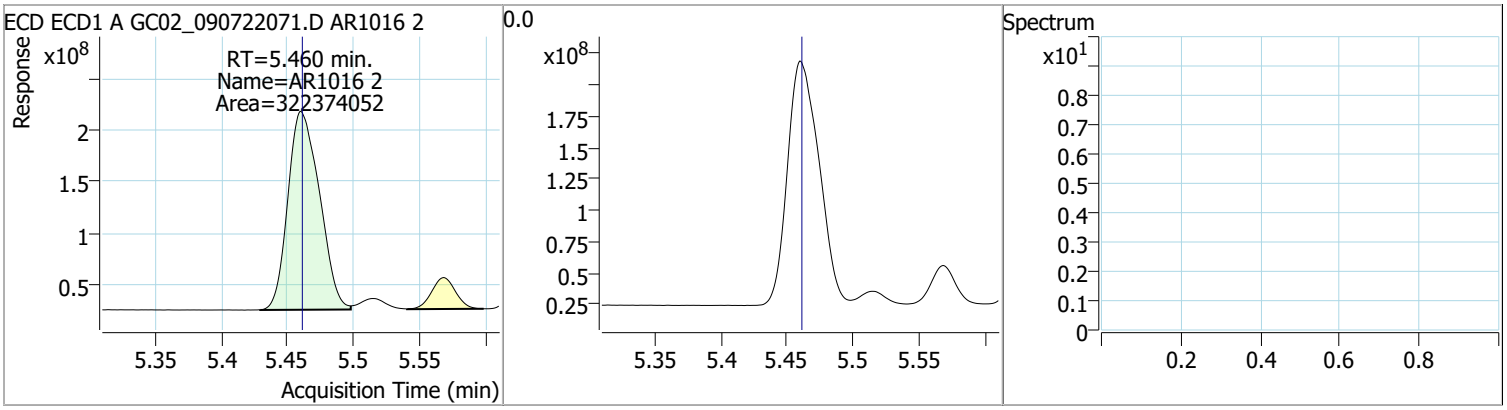
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	70.3396	5.09	0.00	34334742				



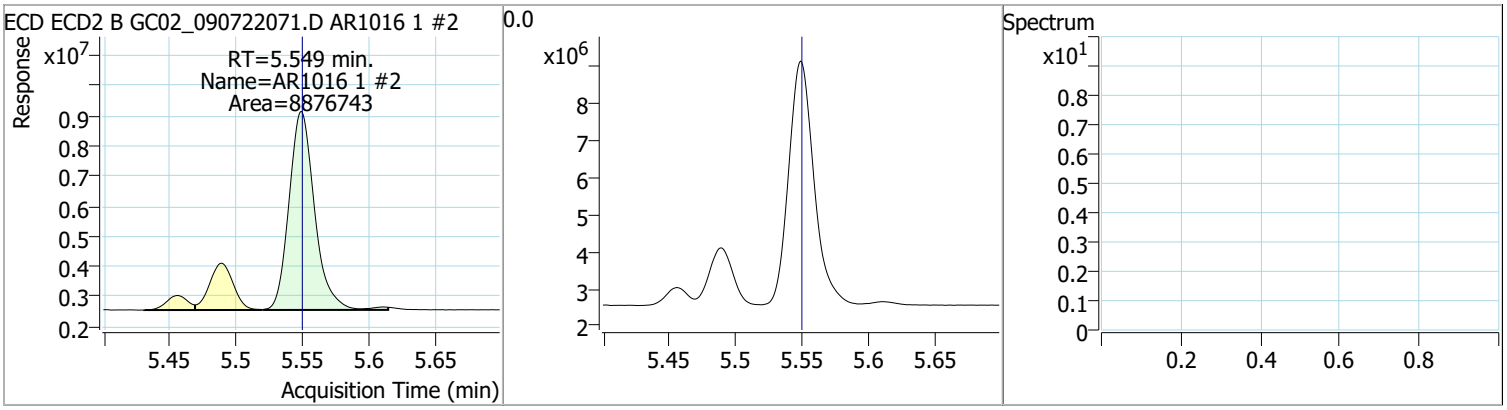
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1780.8623	5.13	0.00	160343932				



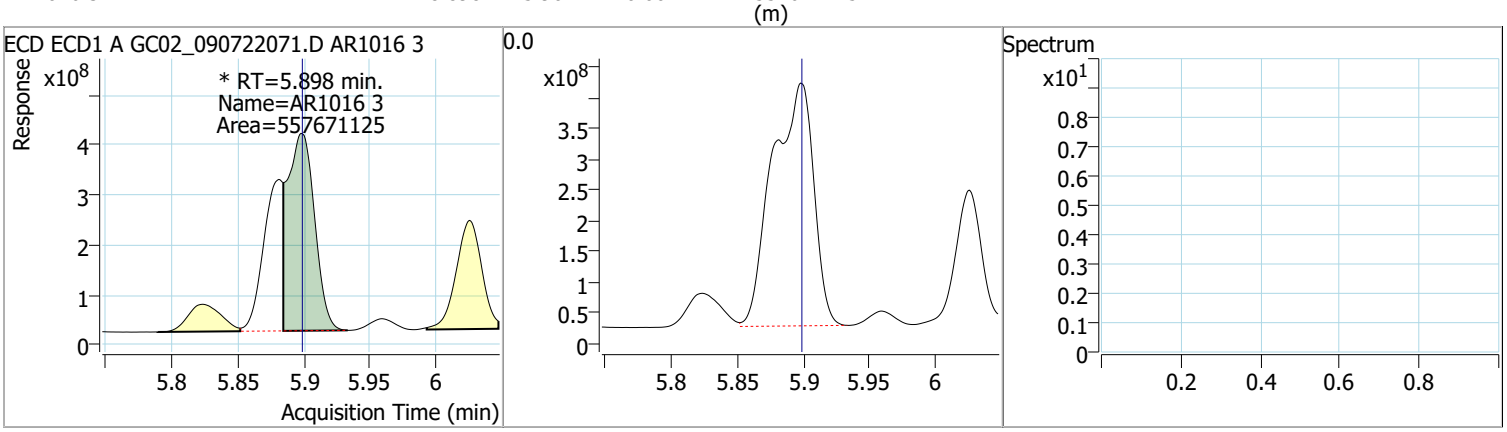
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1854.6892	5.46	0.00	322374052				



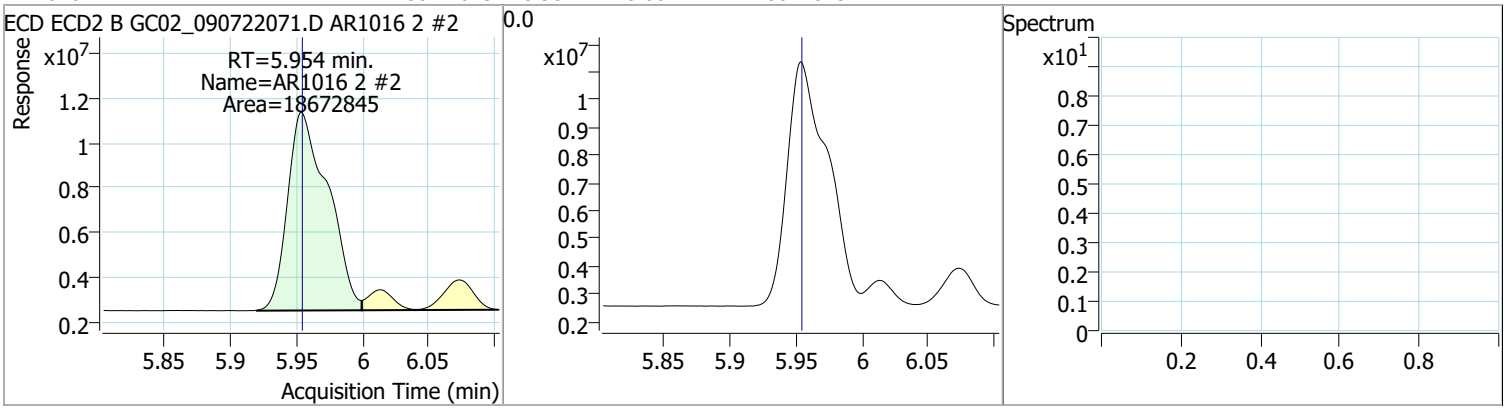
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1494.8830	5.55	0.00	8876743				



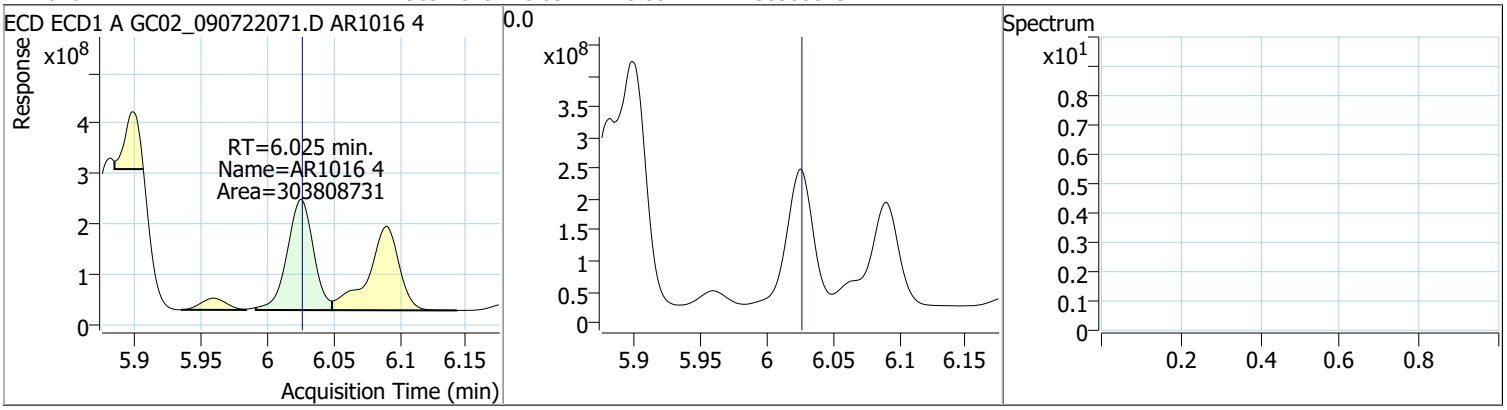
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	2128.8982	5.90	0.00	557671125 (m)				



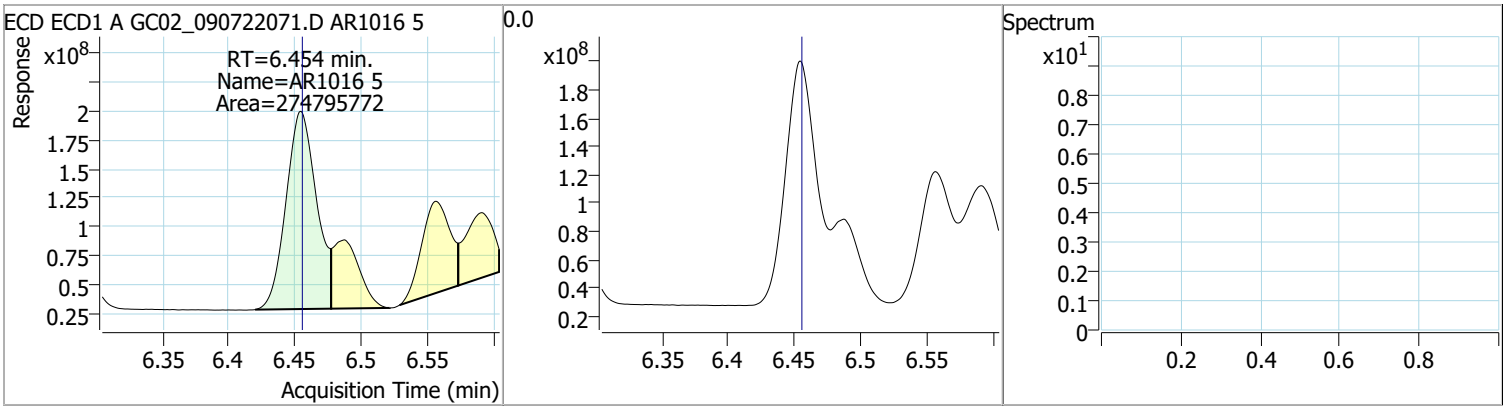
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1557.4613	5.95	0.00	18672845				



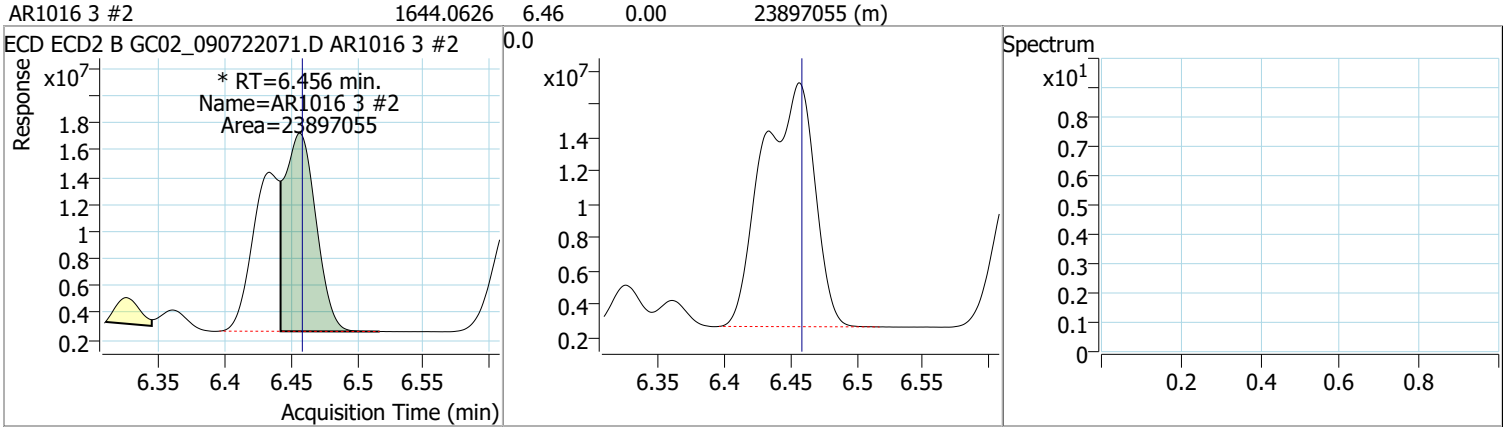
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1969.7620	6.03	0.00	303808731				



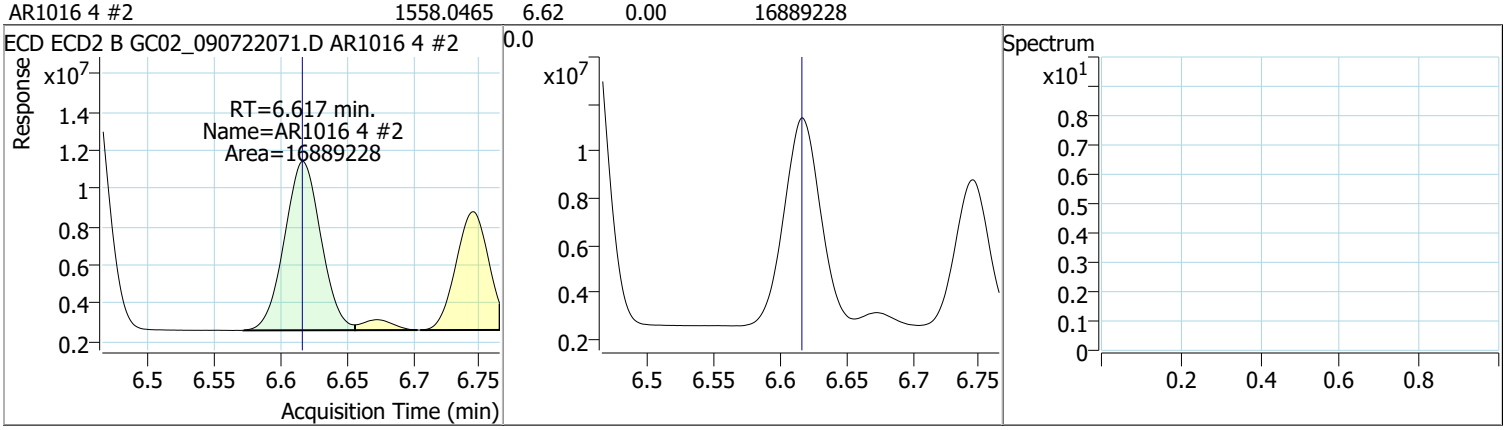
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1934.4527	6.45	0.00	274795772				



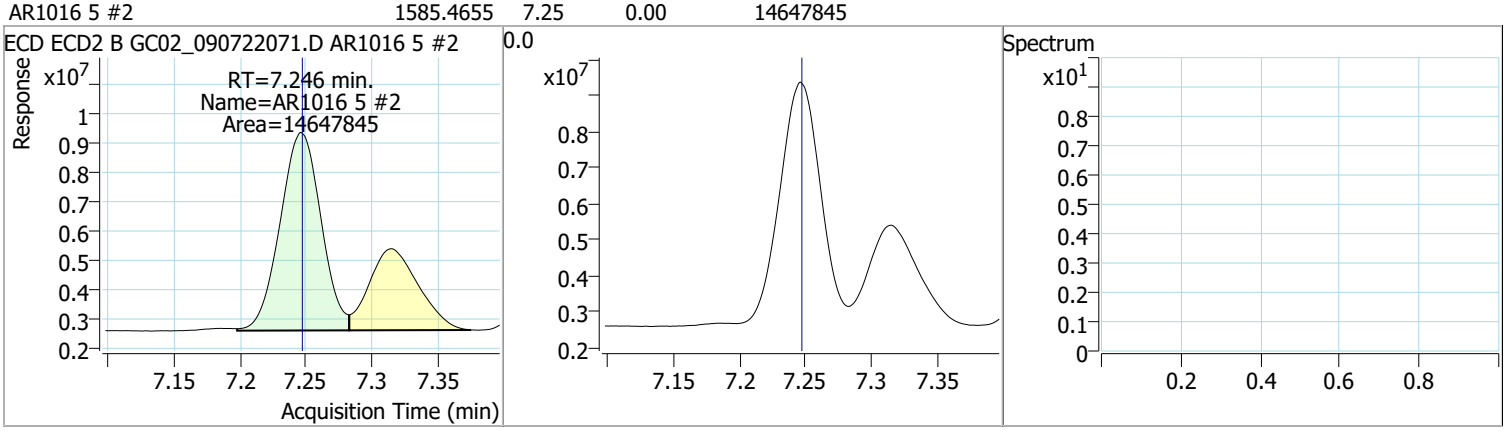
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1644.0626	6.46	0.00	23897055 (m)				



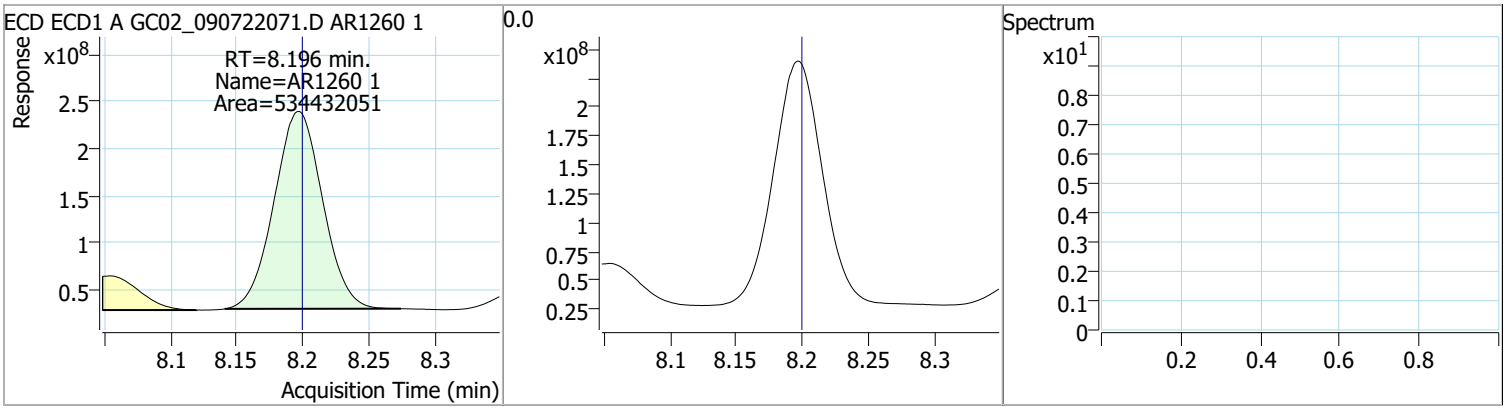
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1558.0465	6.62	0.00	16889228				



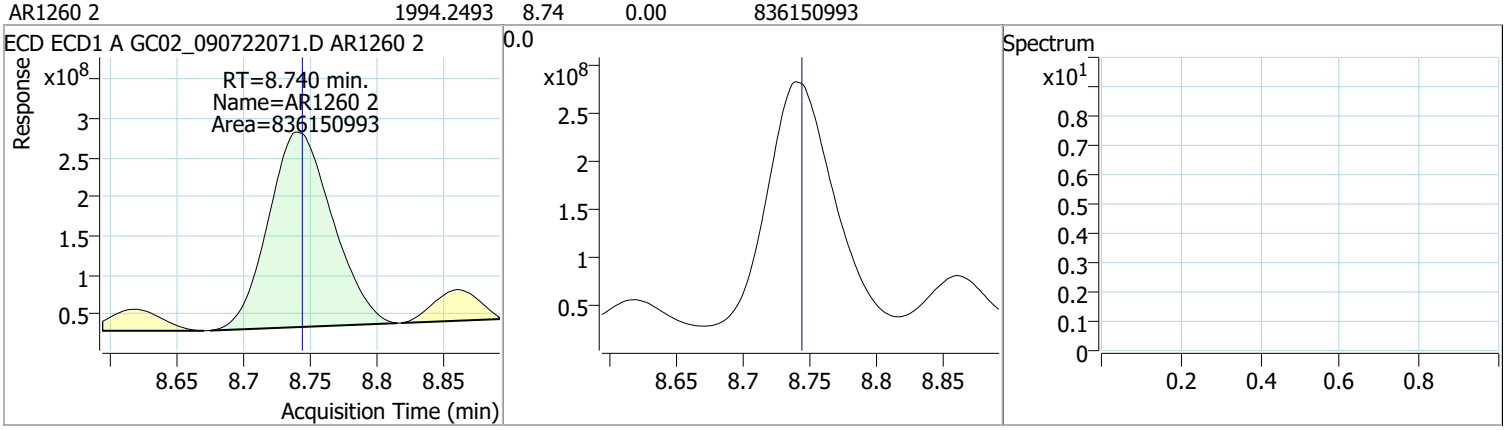
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1585.4655	7.25	0.00	14647845				



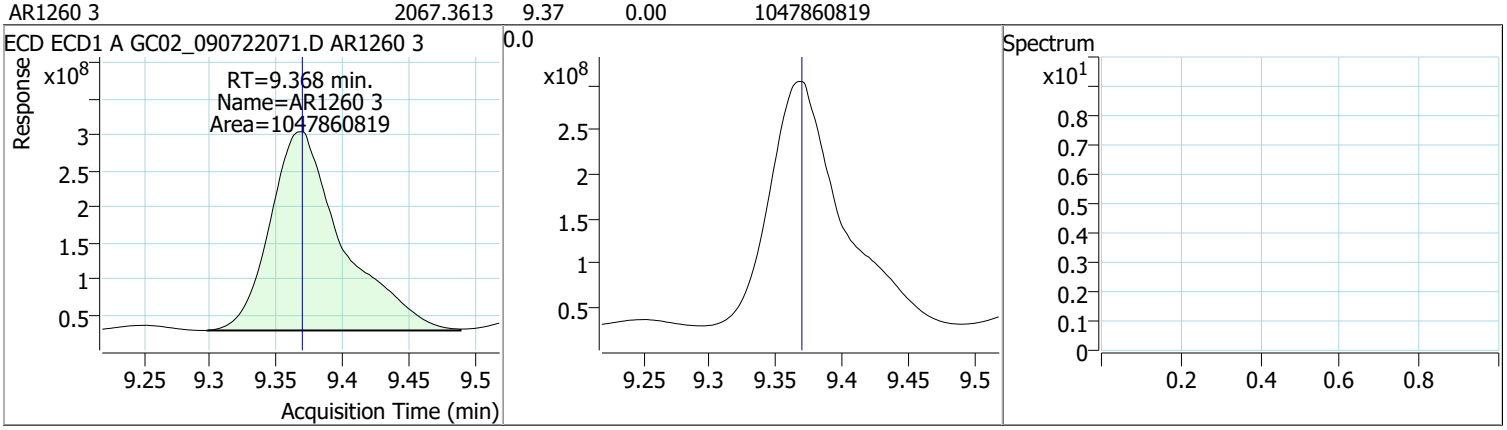
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1948.4050	8.20	0.00	534432051				



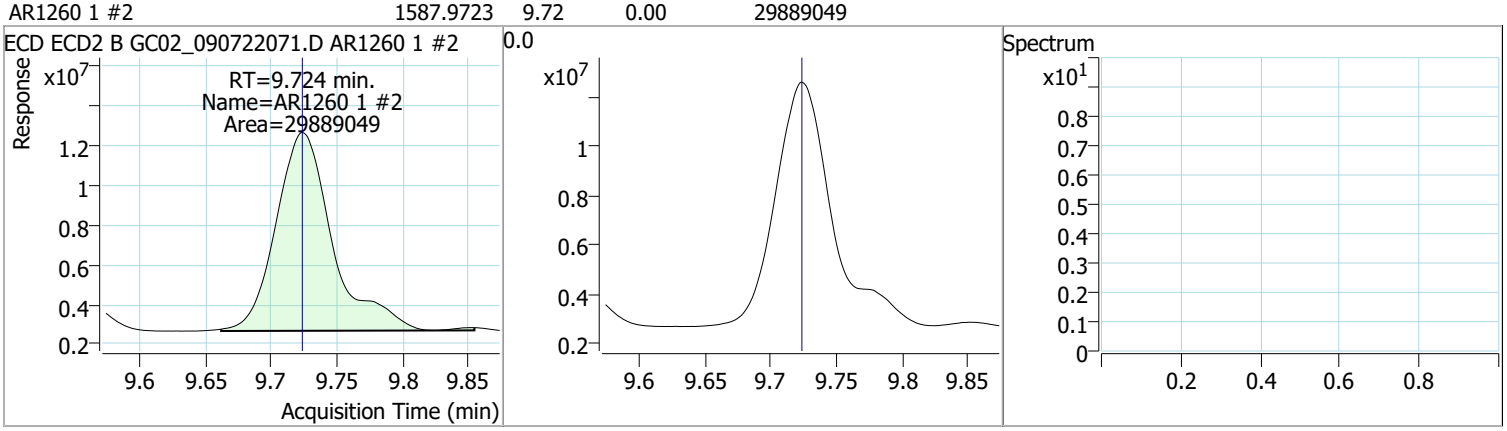
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1994.2493	8.74	0.00	836150993				



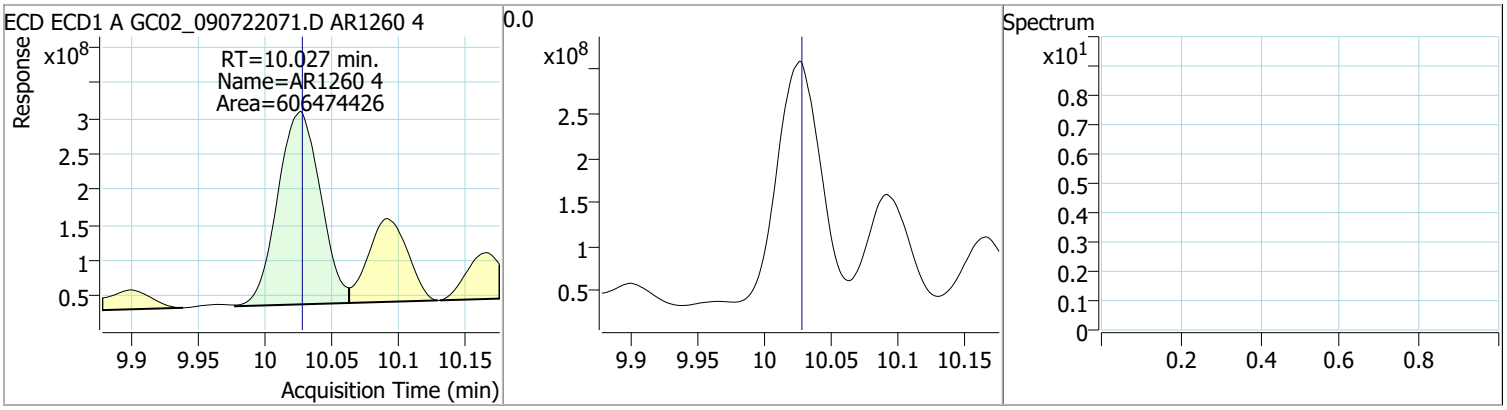
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2067.3613	9.37	0.00	1047860819				



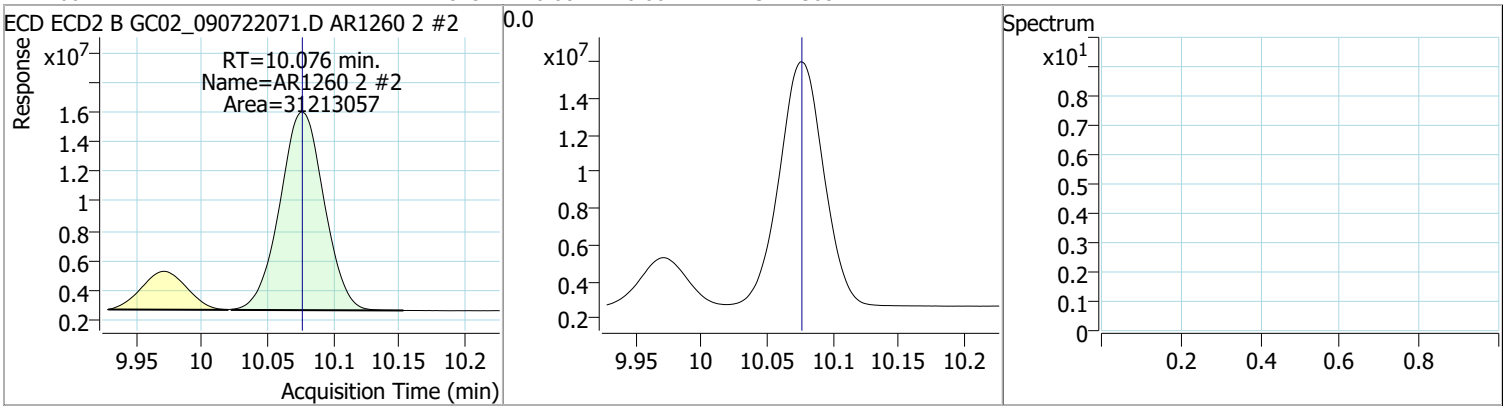
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1587.9723	9.72	0.00	29889049				



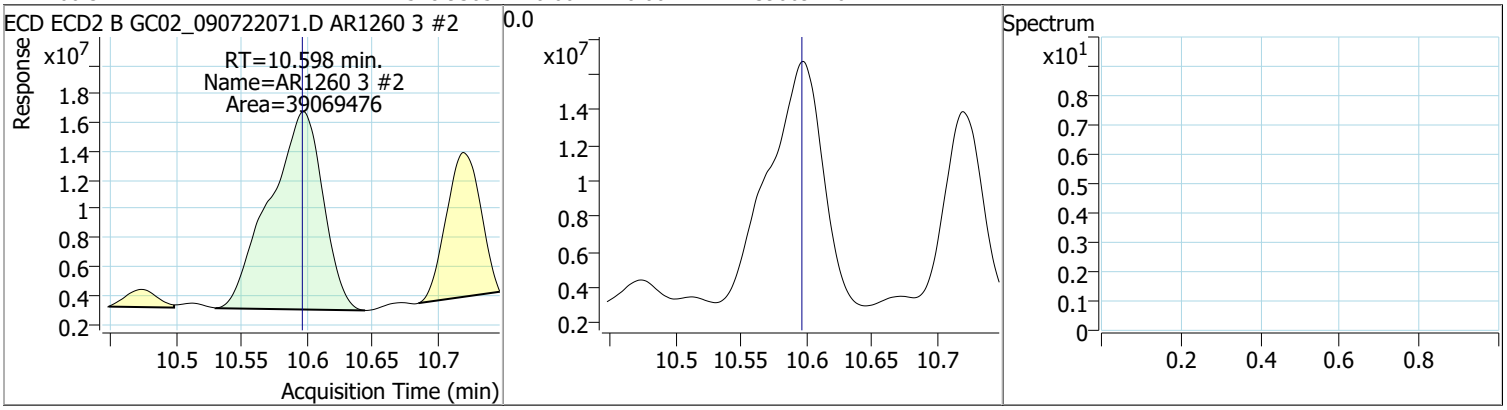
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	2149.5072	10.03	0.00	606474426				



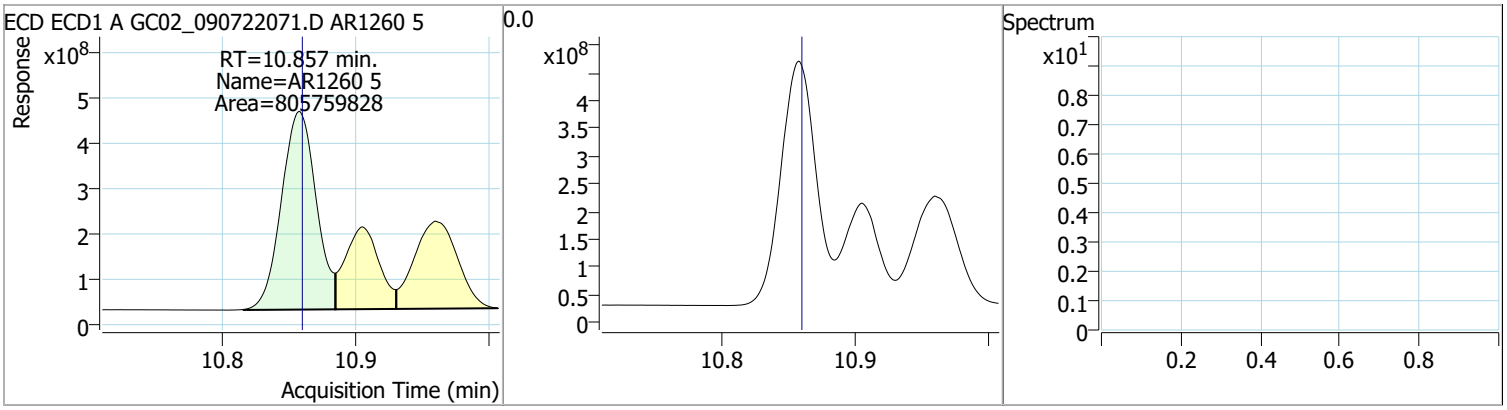
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1471.8154	10.08	0.00	31213057				



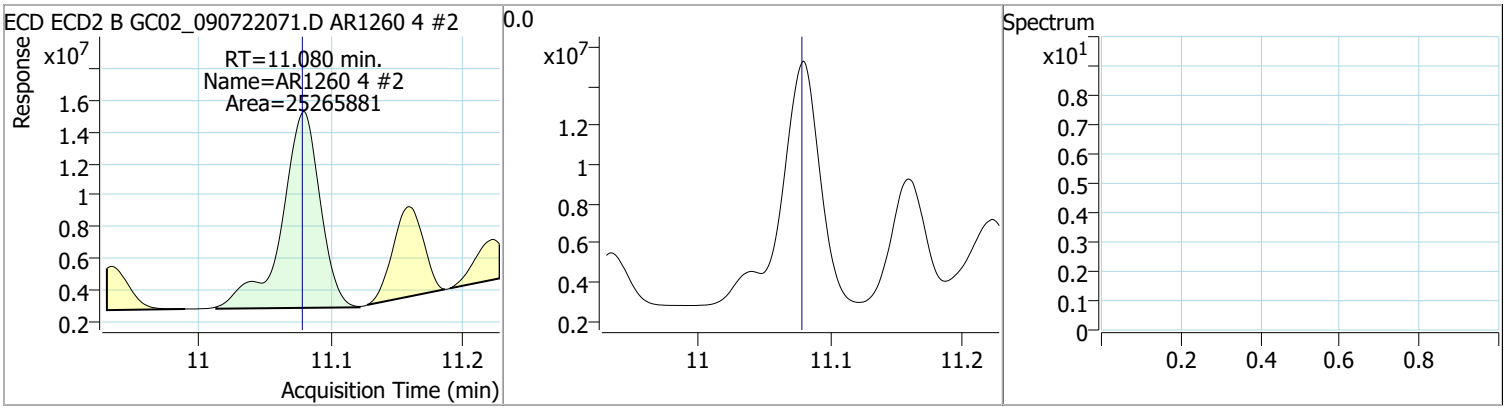
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1548.9305	10.60	0.00	39069476				



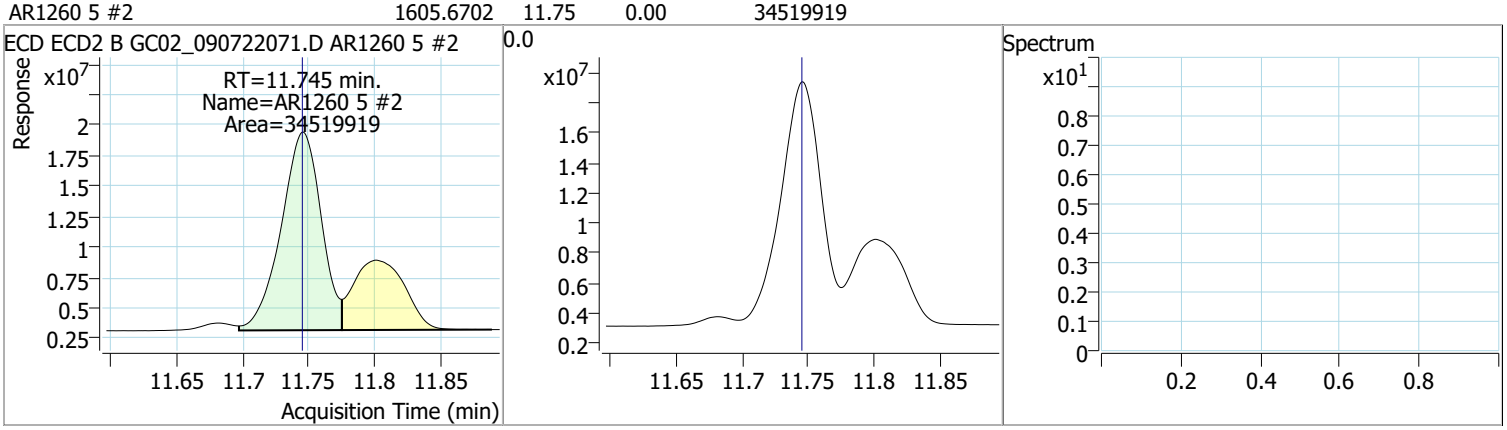
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	2183.9400	10.86	0.00	805759828				



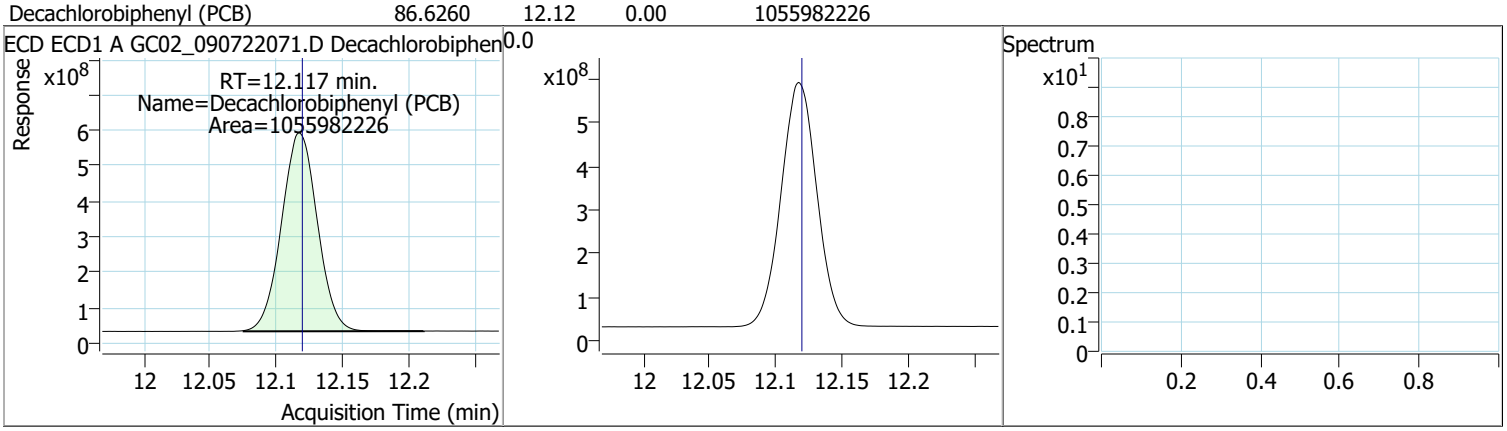
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1739.0575	11.08	0.00	25265881				



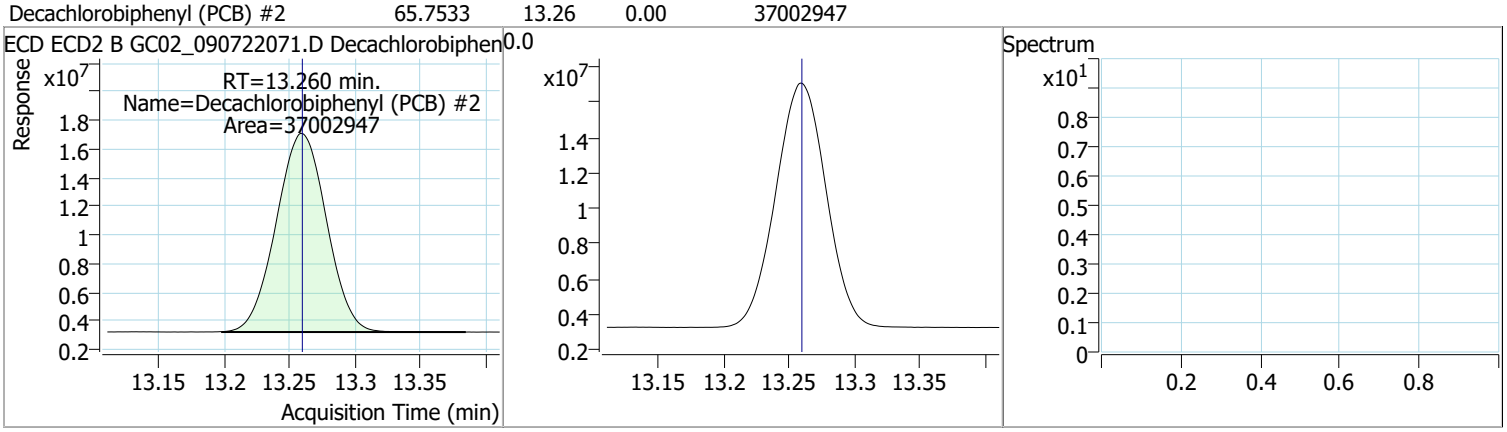
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1605.6702	11.75	0.00	34519919				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	86.6260	12.12	0.00	1055982226				

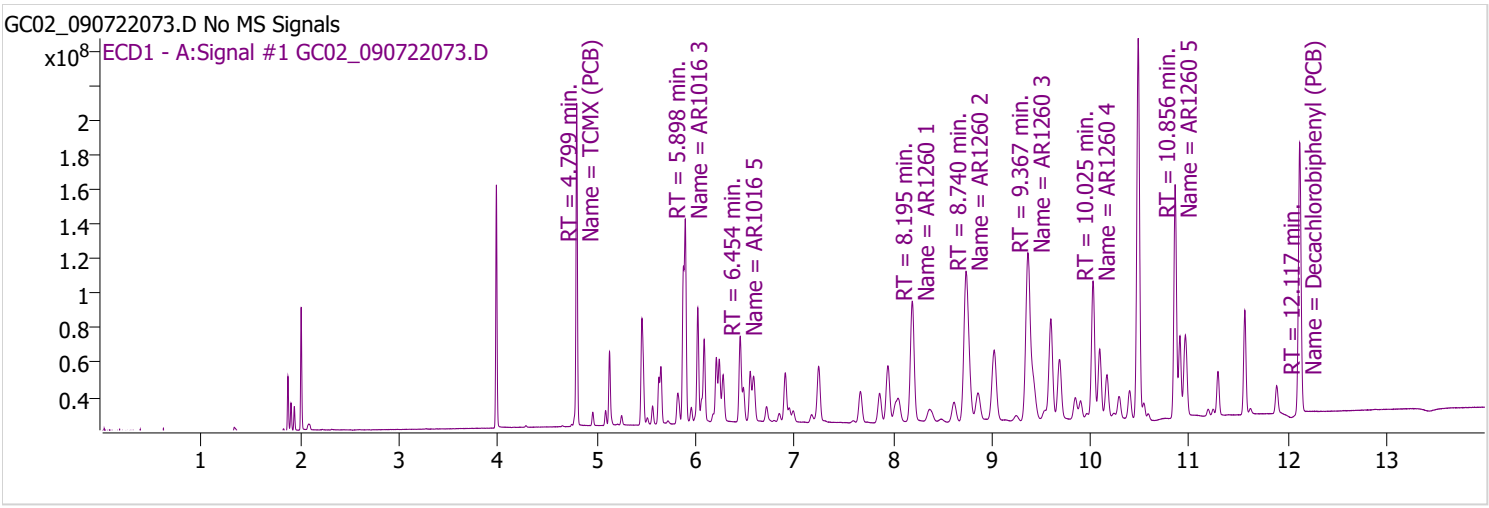


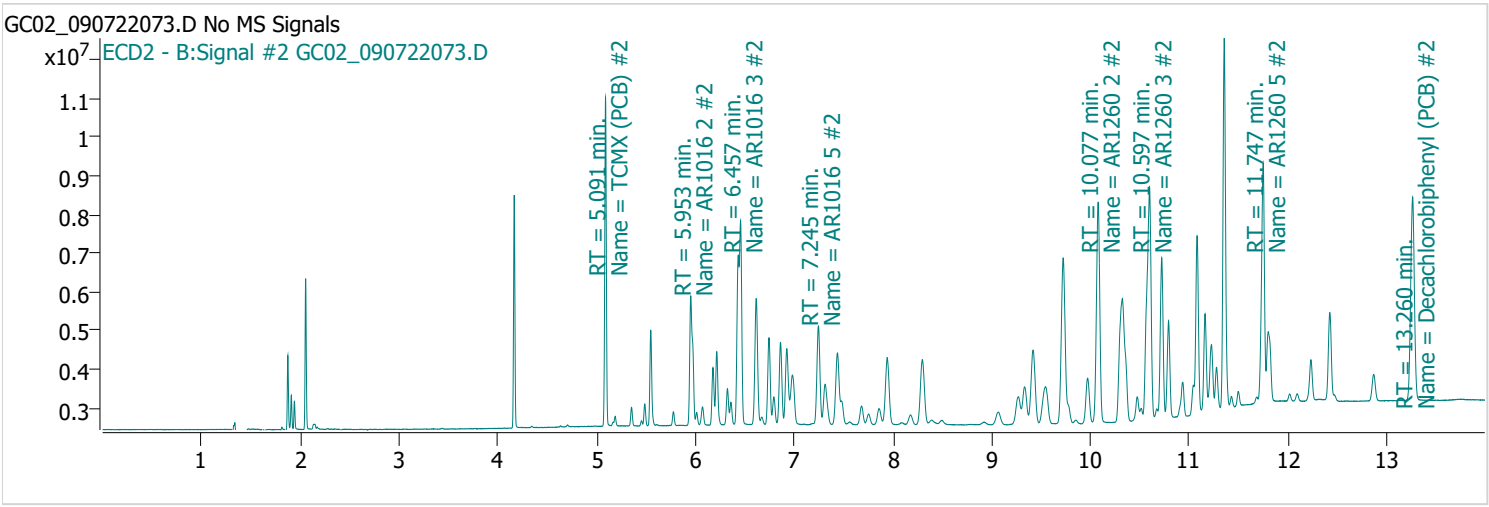
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	65.7533	13.26	0.00	37002947				



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			



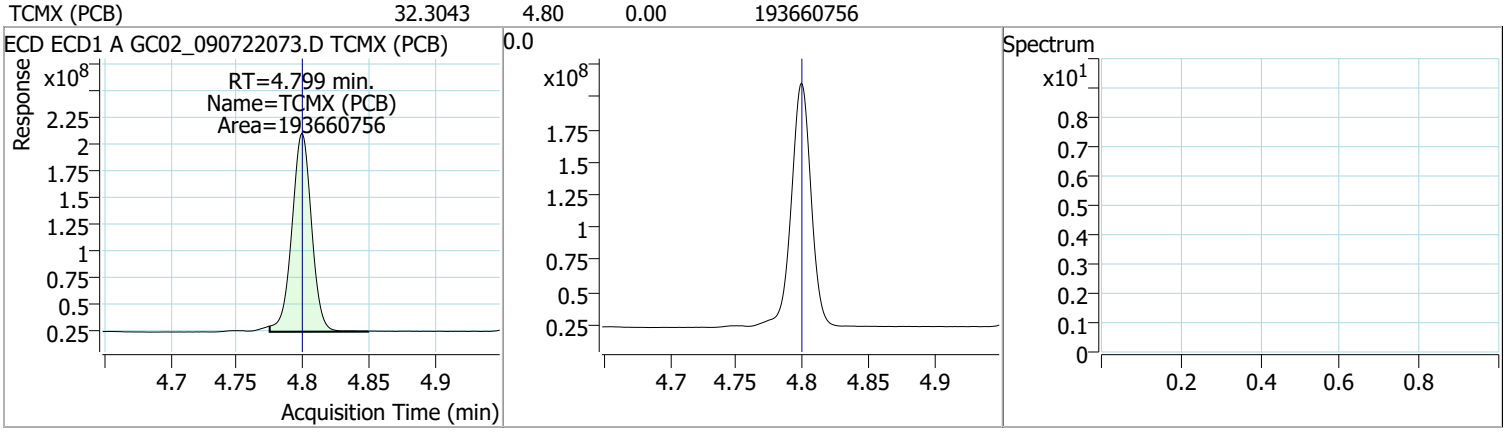


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.987	0.0	126735862.510	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.167	0.0	5641985.385	20.0000	ng/ml		-0.002
System Monitoring Compounds							
S TCMX (PCB)	4.799	0.0	193660755.663	32.3043	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

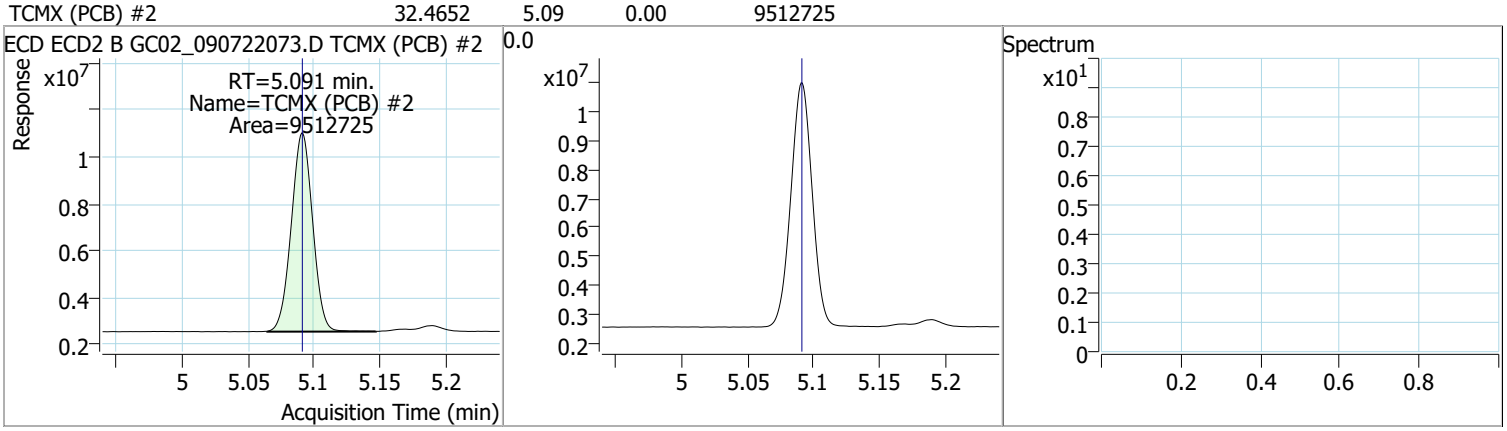
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.132	0.0	52109119.723	467.4986	ng/ml		100
T AR1016 2	5.460	0.0	105075756.862	488.3176	ng/ml		100
T AR1016 1 #2	5.548	0.0	3299063.975	462.7658	ng/ml		100
T AR1016 3	5.898	0.0	160687753.455	495.5053	ng/ml	m	100
T AR1016 2 #2	5.953	0.0	7078691.248	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

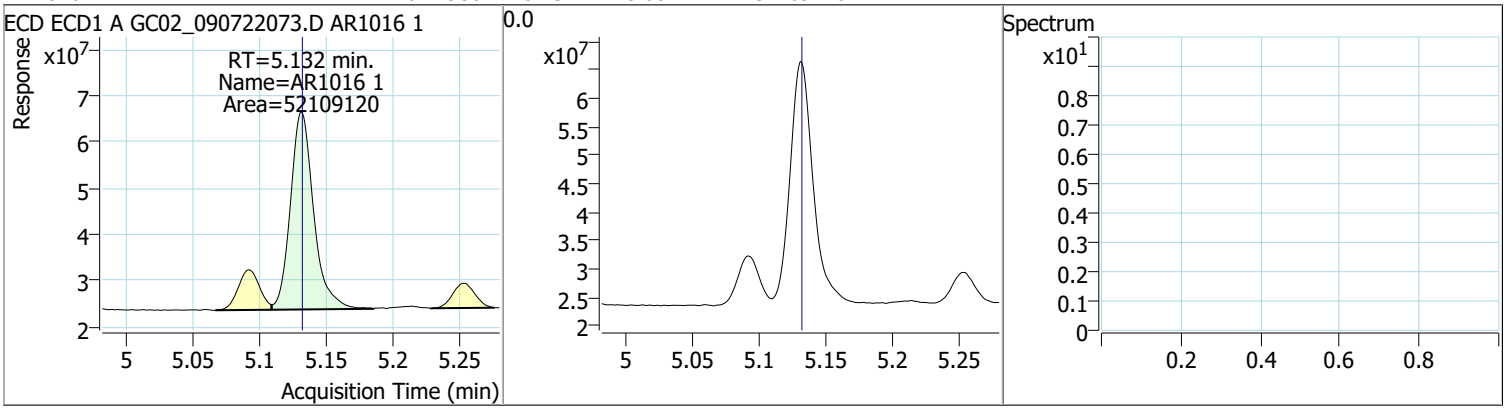
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	32.3043	4.80	0.00	193660756				



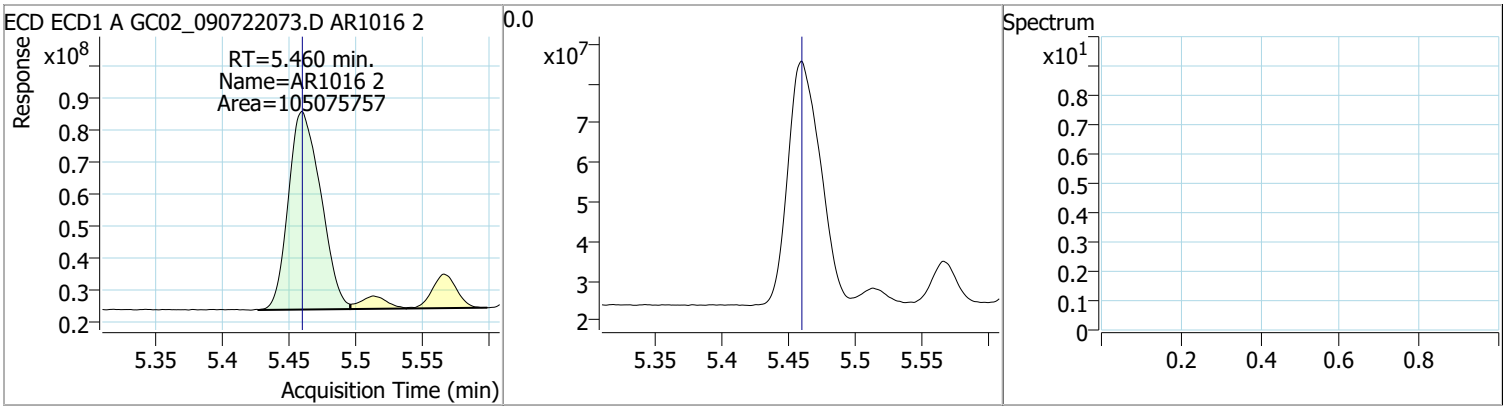
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.4652	5.09	0.00	9512725				



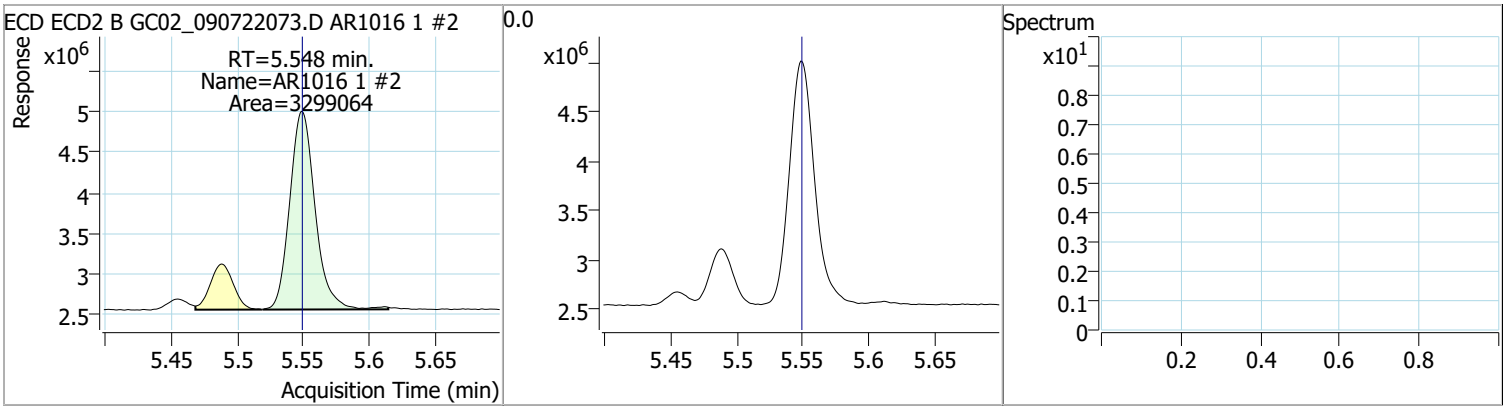
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	467.4986	5.13	0.00	52109120				



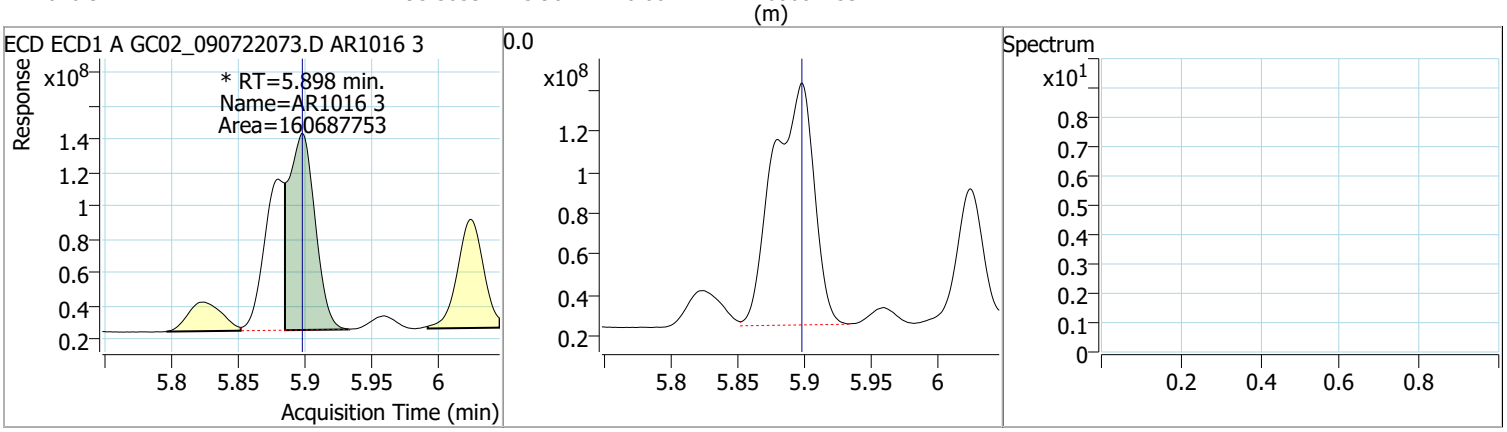
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	488.3176	5.46	0.00	105075757				



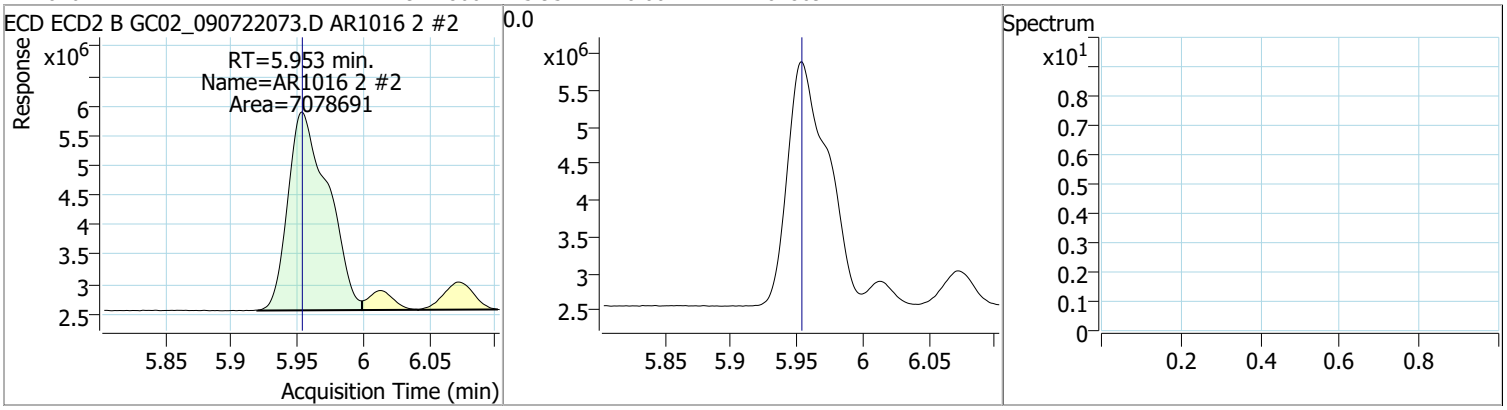
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	462.7658	5.55	0.00	3299064				



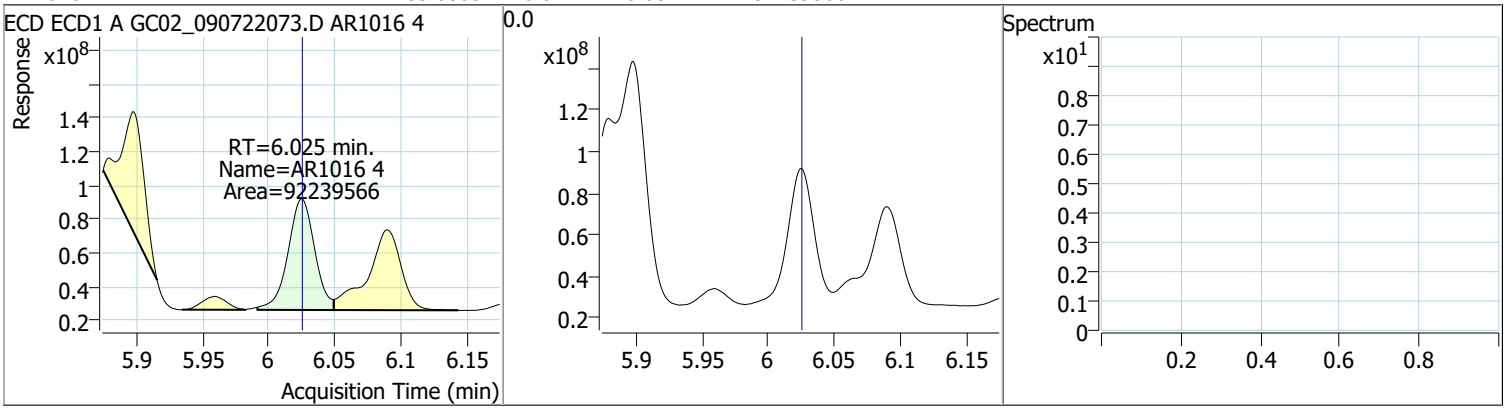
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	495.5053	5.90	0.00	160687753 (m)				



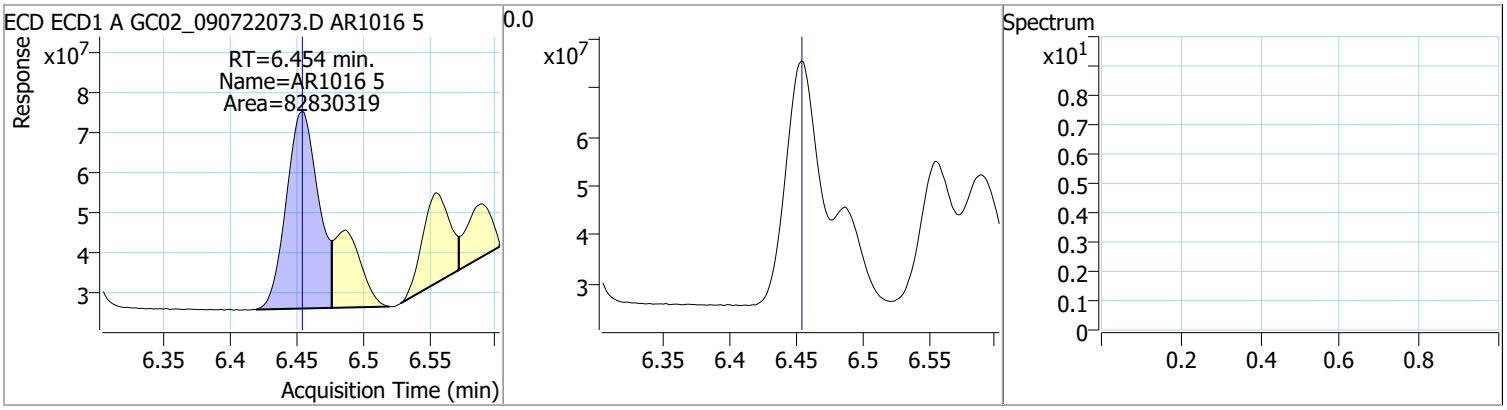
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	491.7866	5.95	0.00	7078691				



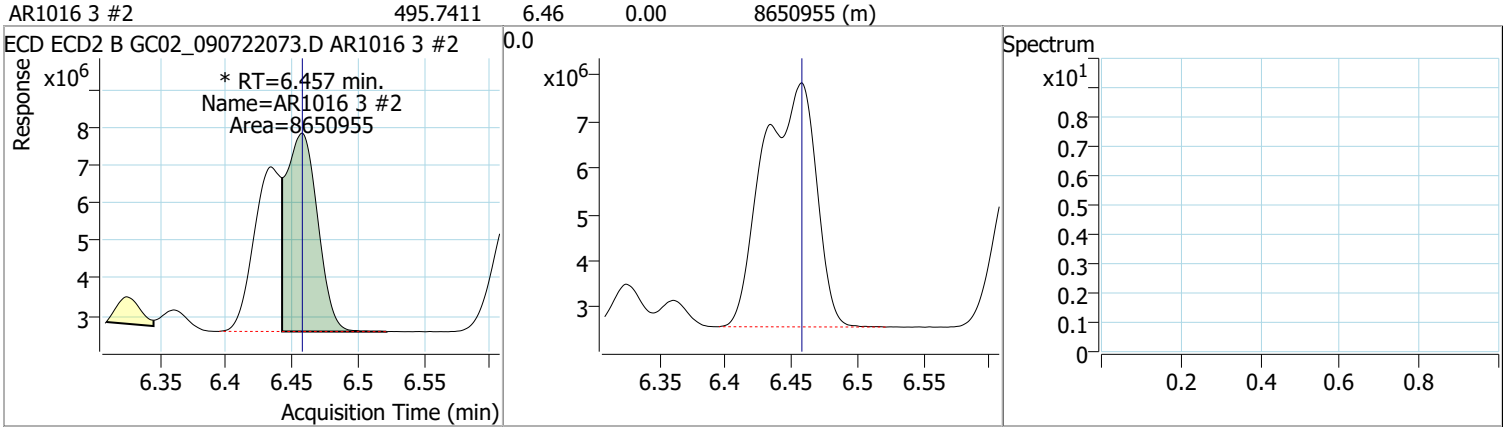
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	483.0805	6.02	0.00	92239566				



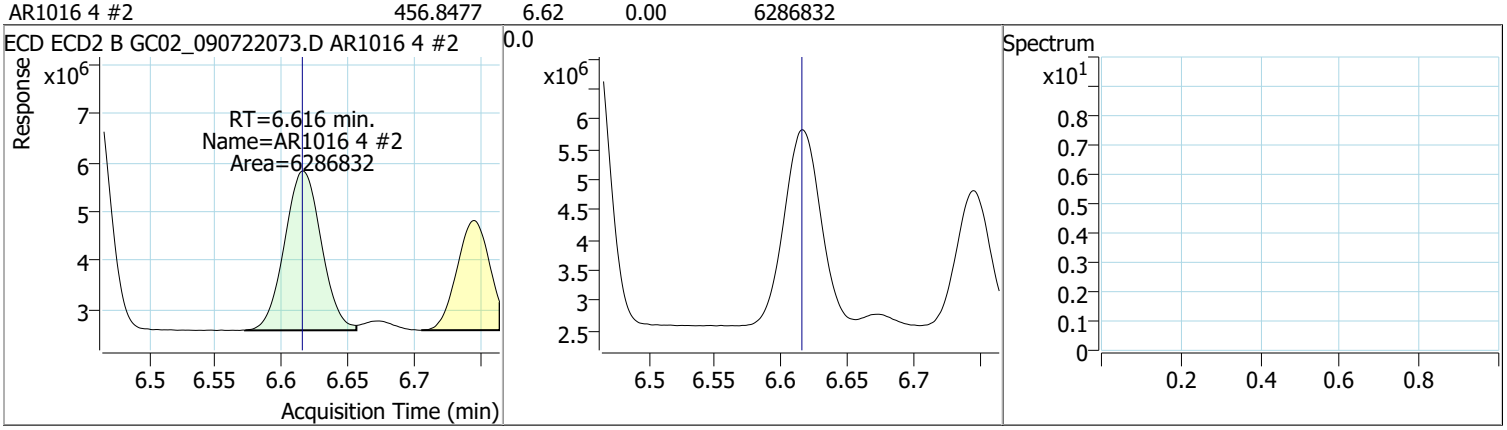
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	471.0057	6.45	0.00	82830319				



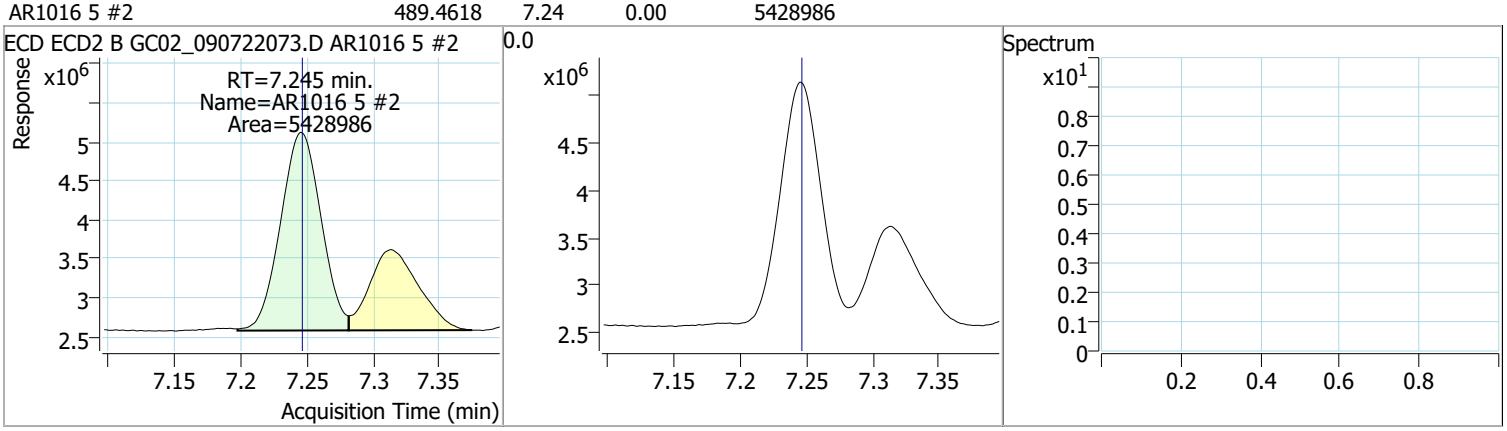
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	495.7411	6.46	0.00	8650955 (m)				



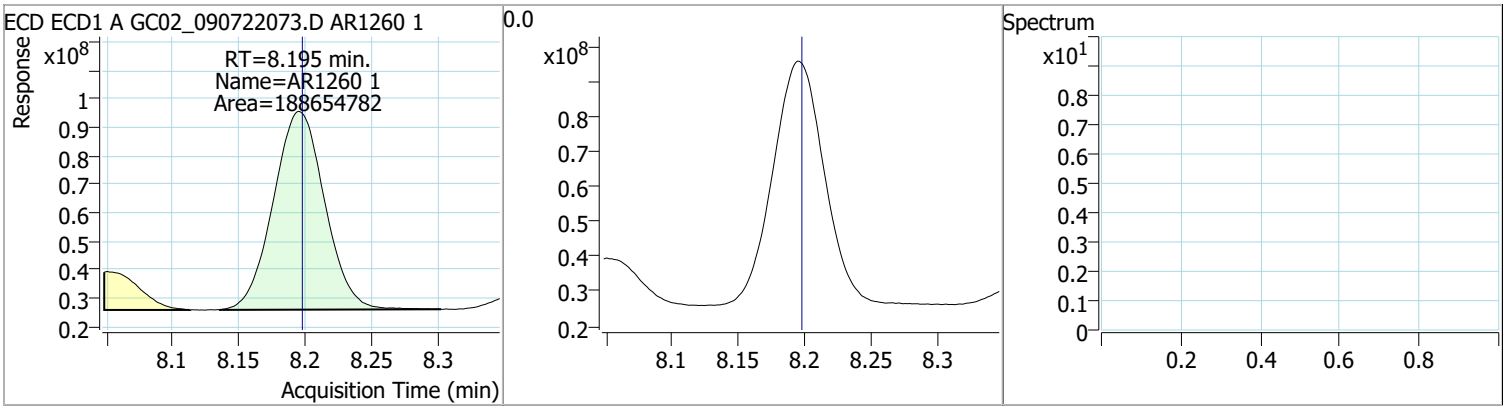
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	456.8477	6.62	0.00	6286832				



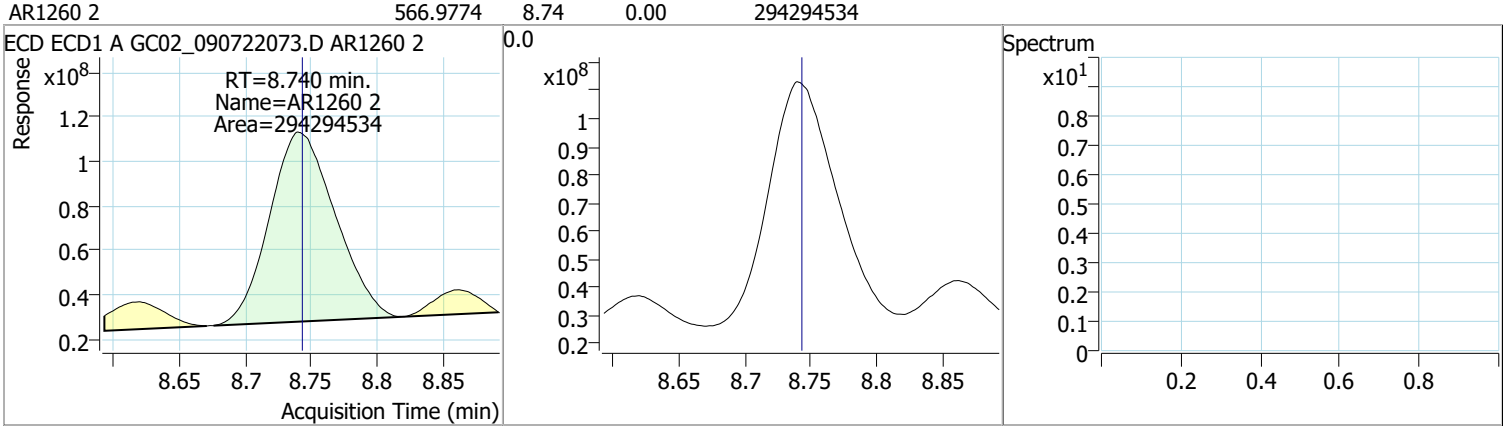
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	489.4618	7.24	0.00	5428986				



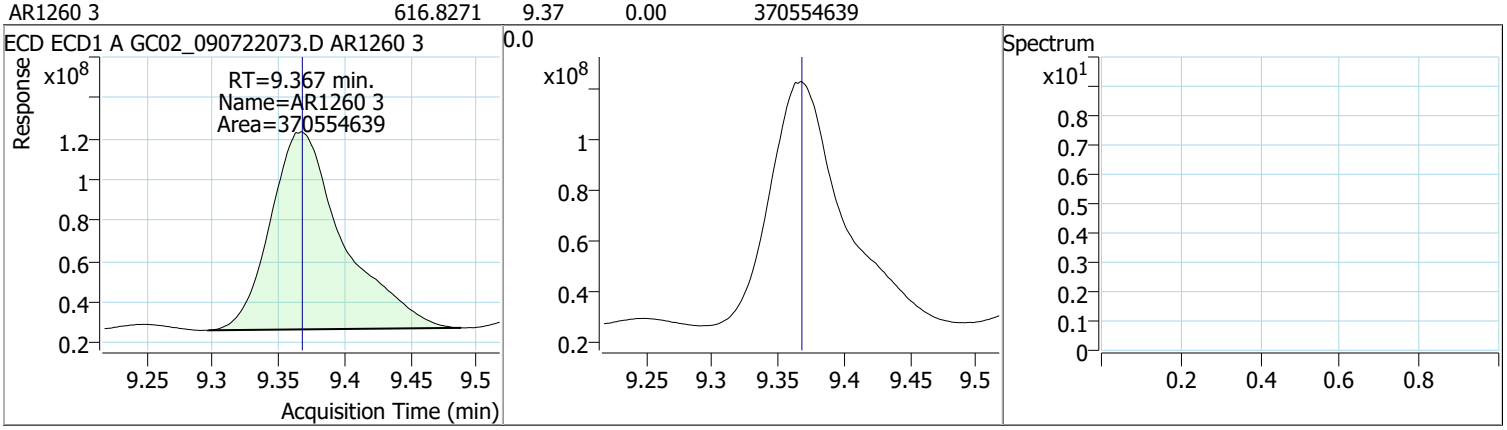
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	555.5758	8.19	0.00	188654782				



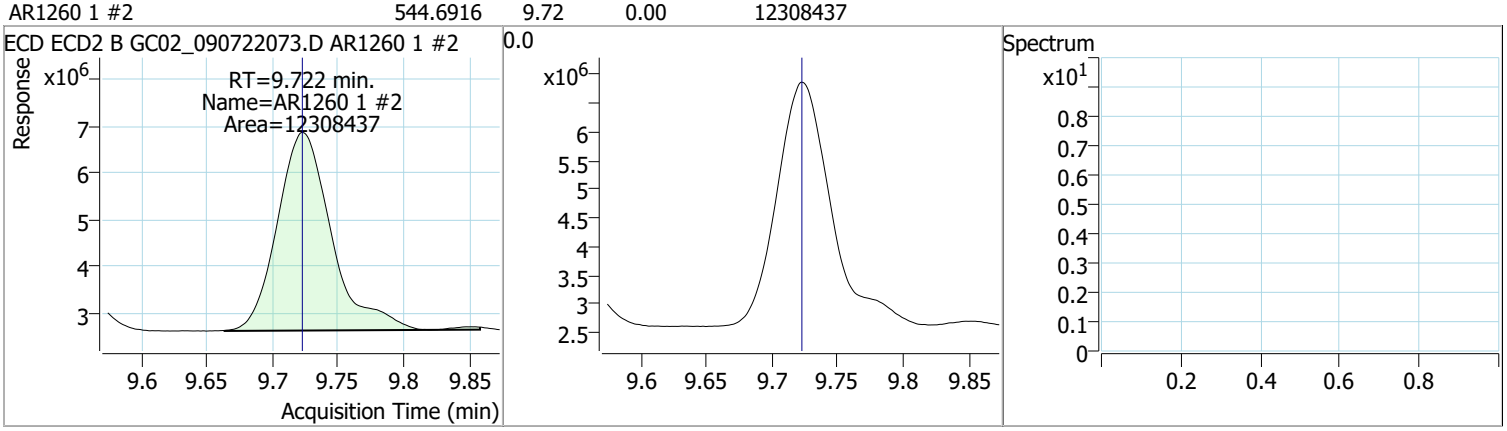
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	566.9774	8.74	0.00	294294534				



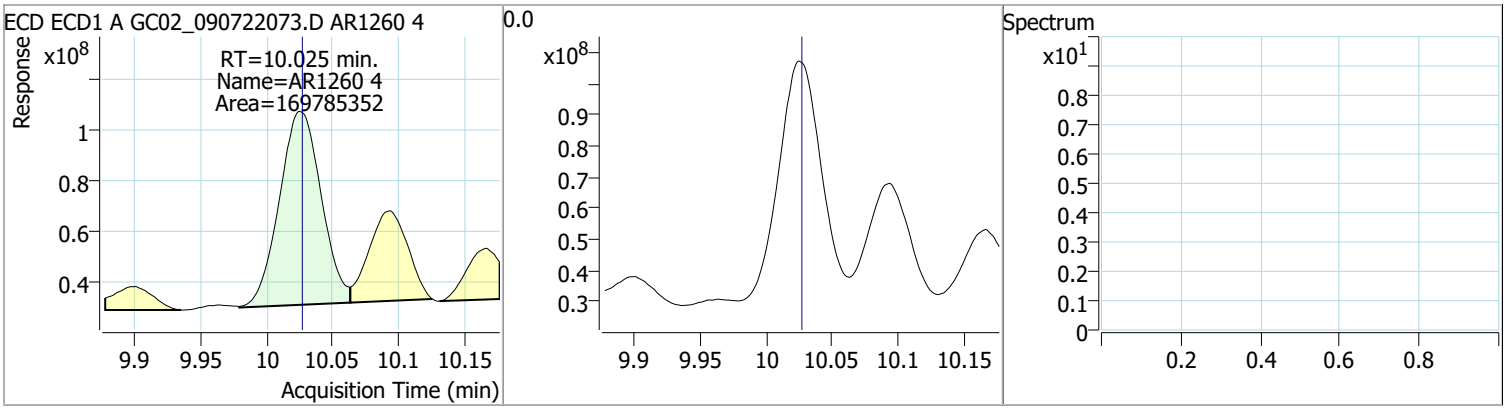
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	616.8271	9.37	0.00	370554639				



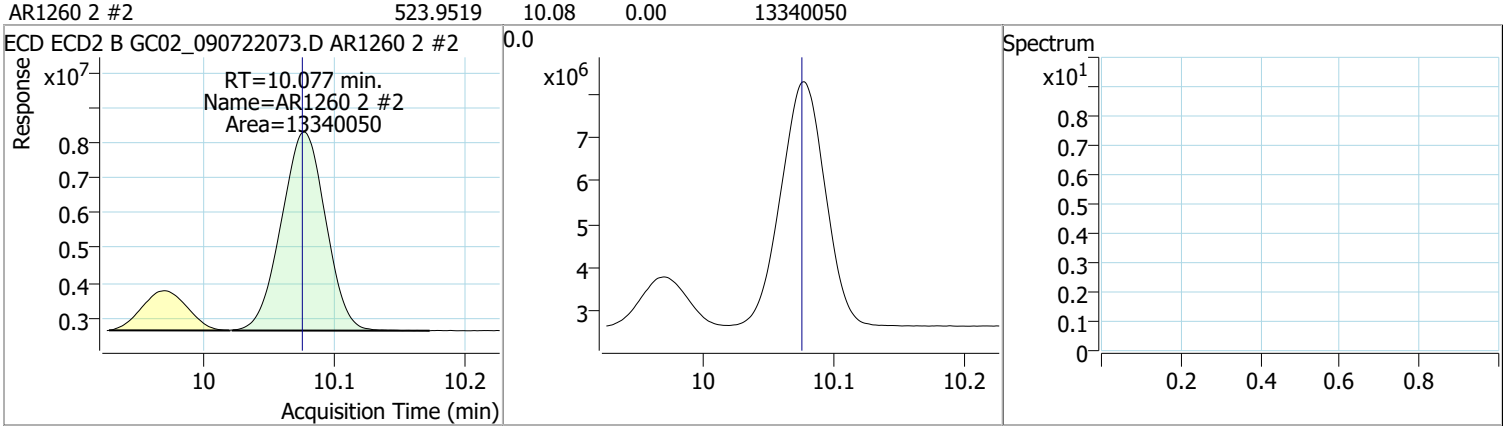
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	544.6916	9.72	0.00	12308437				



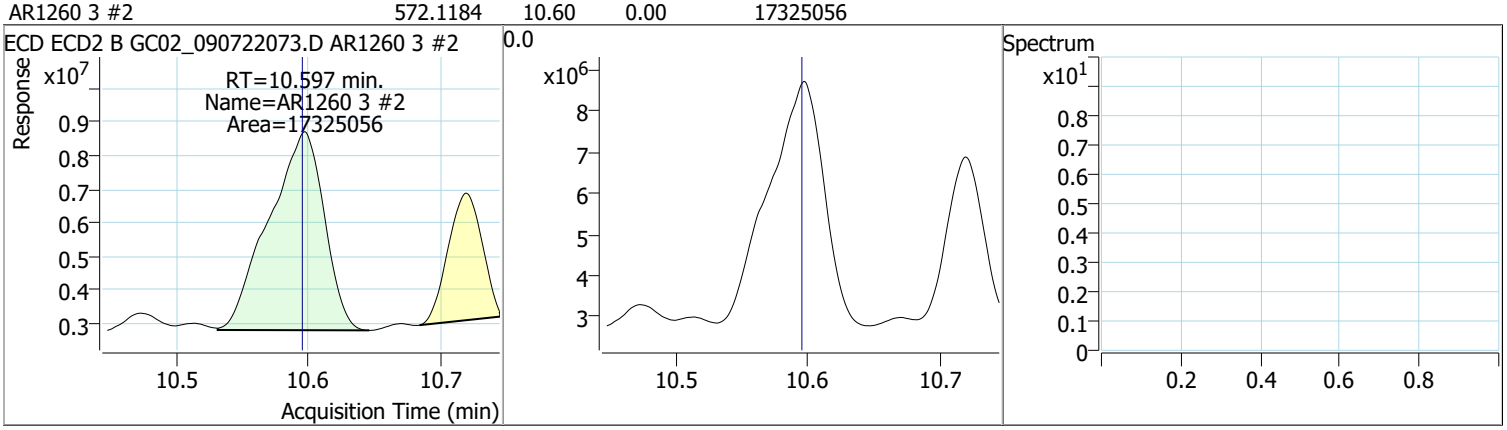
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	486.0886	10.02	0.00	169785352				



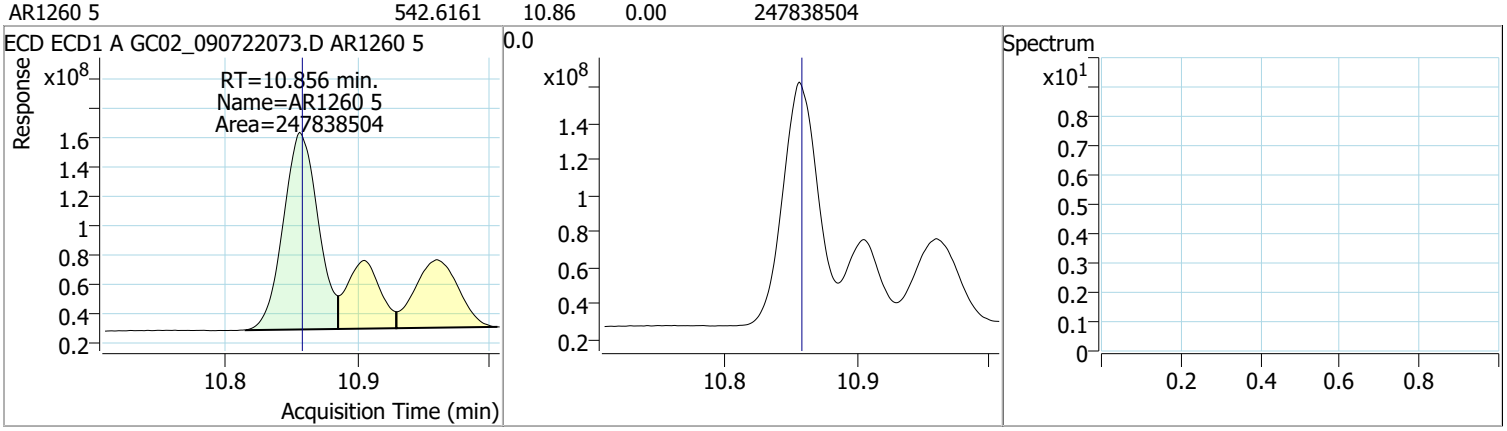
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	523.9519	10.08	0.00	13340050				



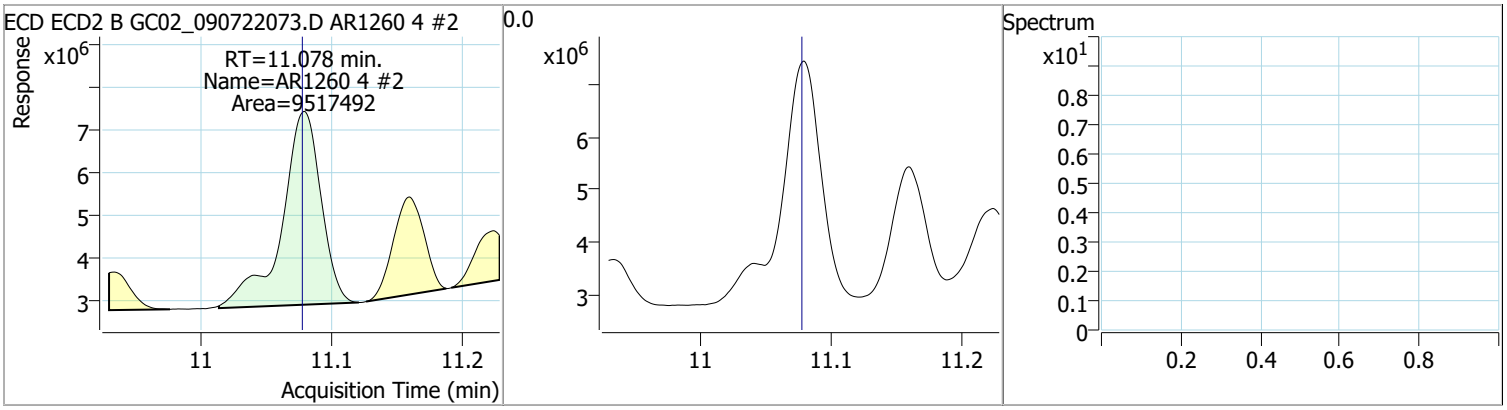
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	572.1184	10.60	0.00	17325056				



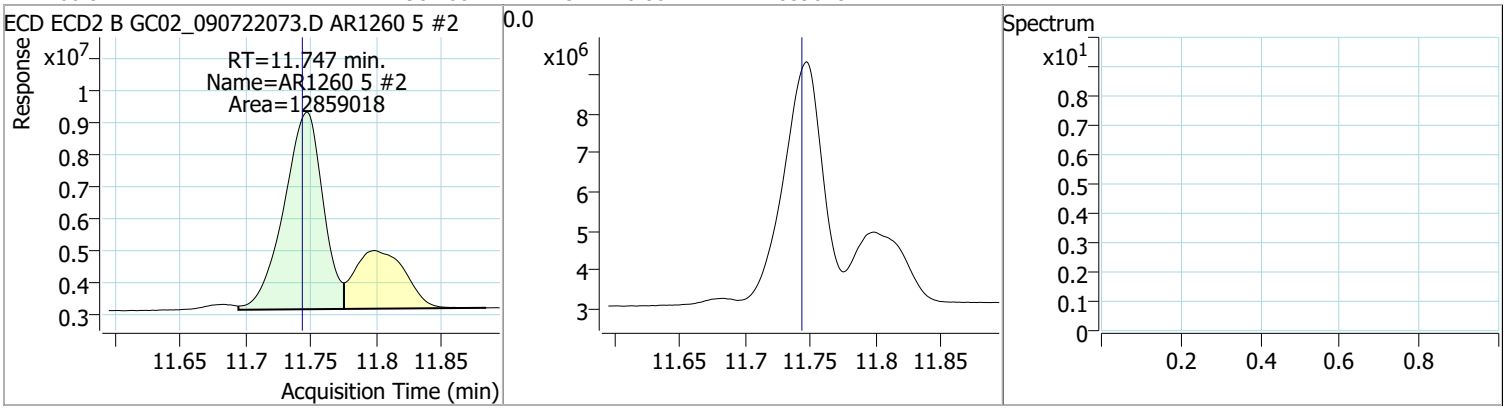
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	542.6161	10.86	0.00	247838504				



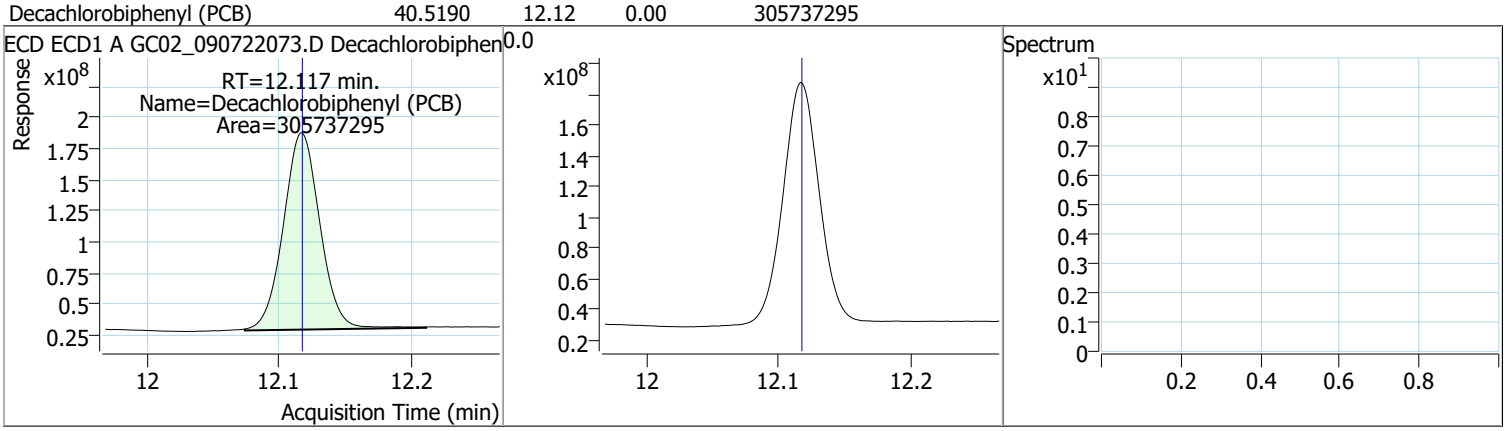
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	545.6561	11.08	0.00	9517492				



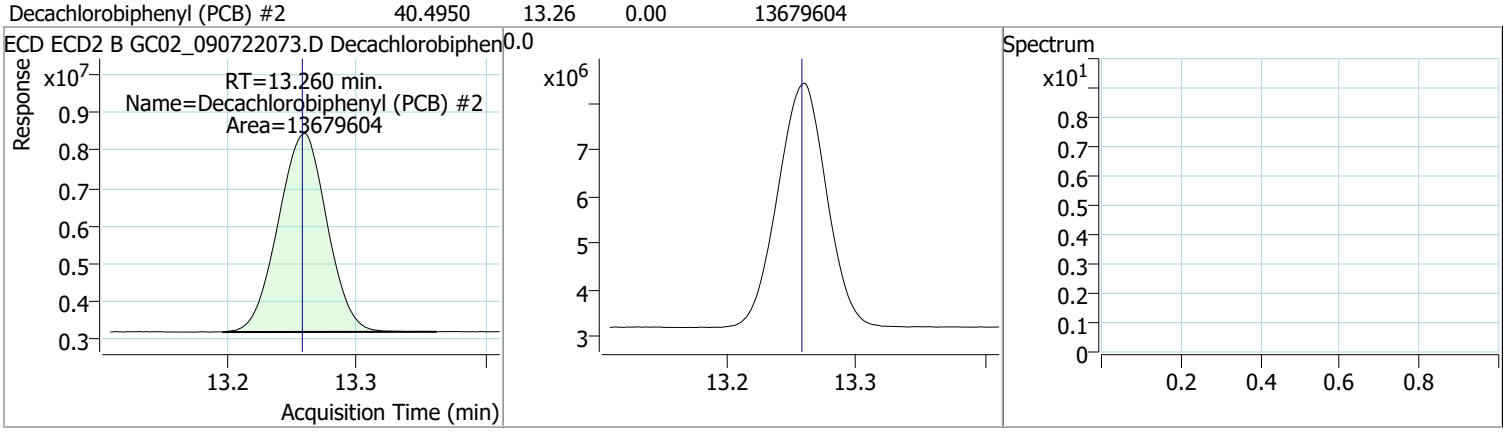
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	498.2087	11.75	0.00	12859018				



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

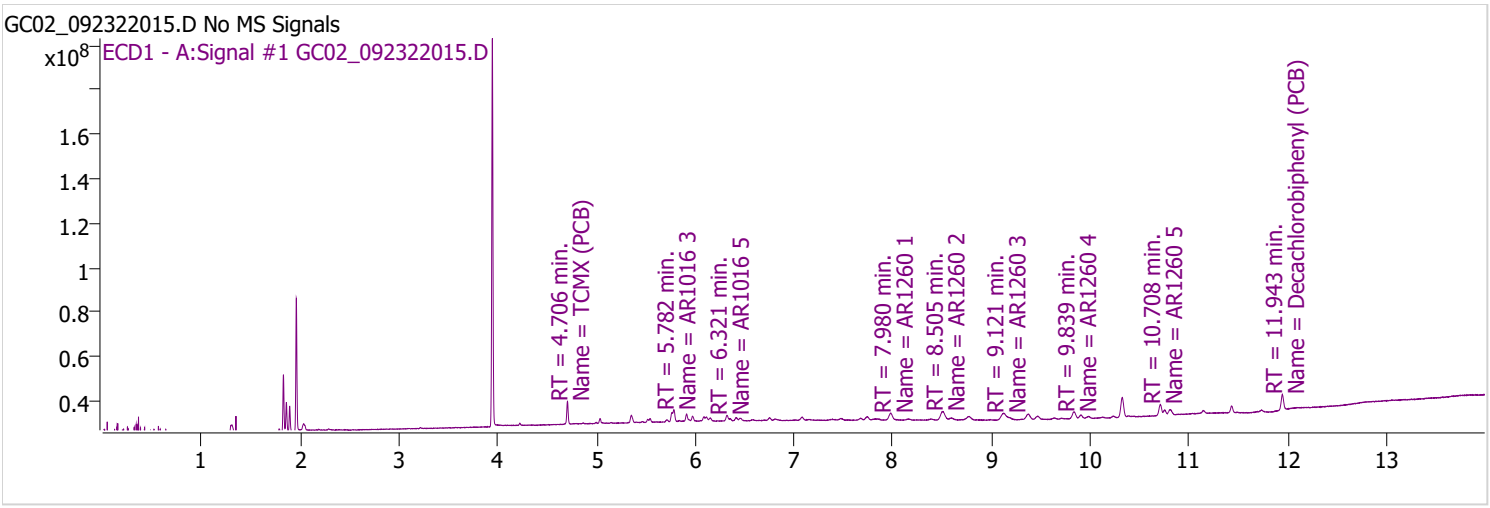
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	491.0	ug/L	-2	15	
Aroclor-1260	A	500.0	540.5	ug/L	8	15	
Aroclor-1016	B	500.0	489.2	ug/L	-2	15	
Aroclor-1260	B	500.0	511.0	ug/L	2	15	

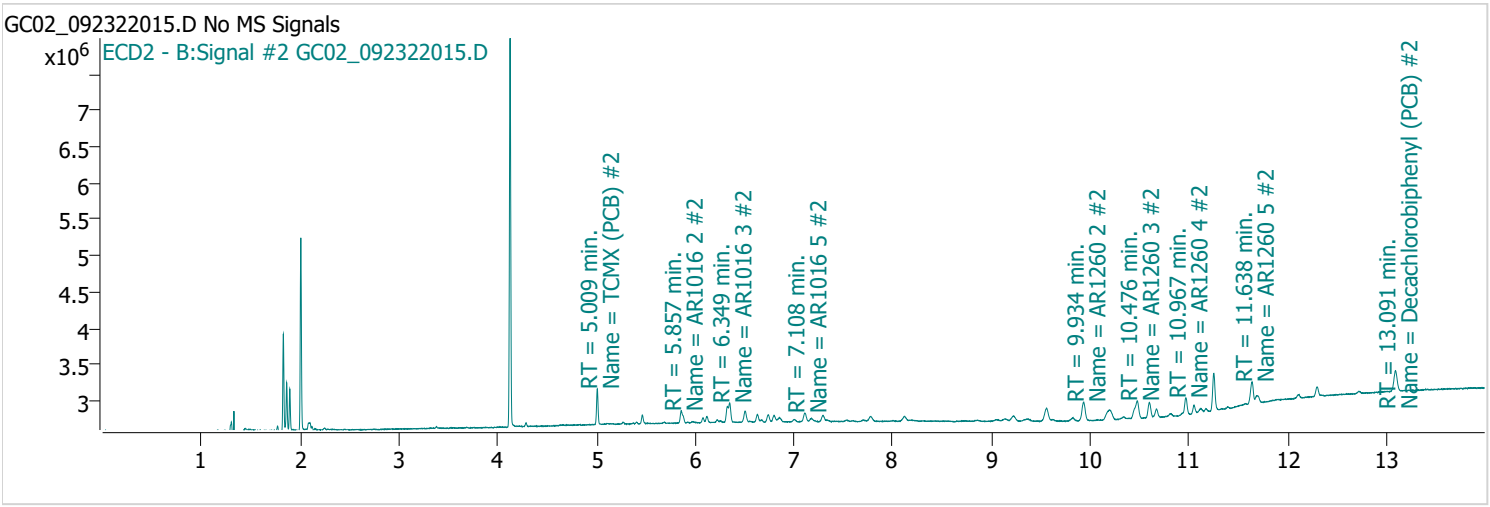
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Analyst: TRN 09/26/22 **Reviewer:** LW 09/26/22

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			



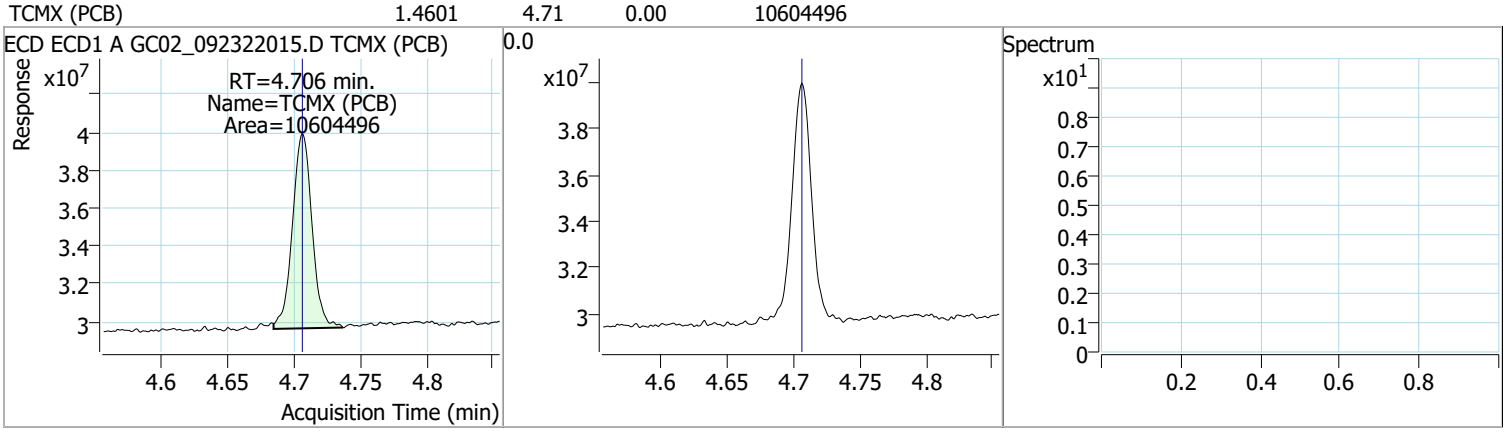


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	149688452.475	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	5034792.541	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	10604495.681	1.4601	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

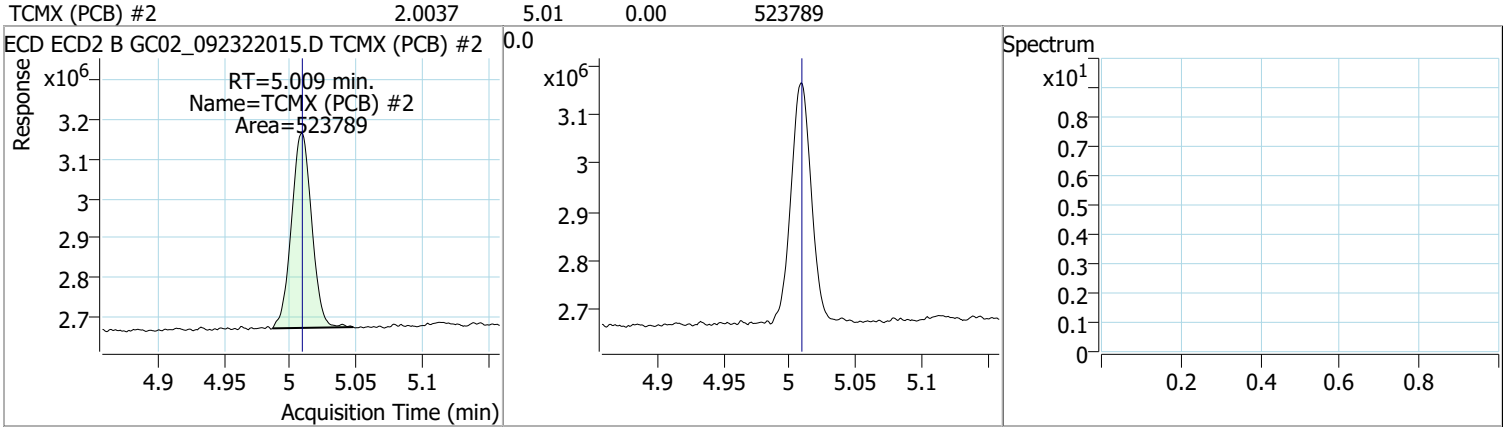
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.353	0.0	5366799.868	22.8163	ng/ml		100
T AR1016 1 #2	5.464	0.0	167000.390	27.7452	ng/ml		100
T AR1016 3	5.782	0.0	6709519.024	18.4838	ng/ml	m	100
T AR1016 2 #2	5.857	0.0	339157.238	26.8081	ng/ml		100
T AR1016 4	5.912	0.0	4976396.566	20.7492	ng/ml		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

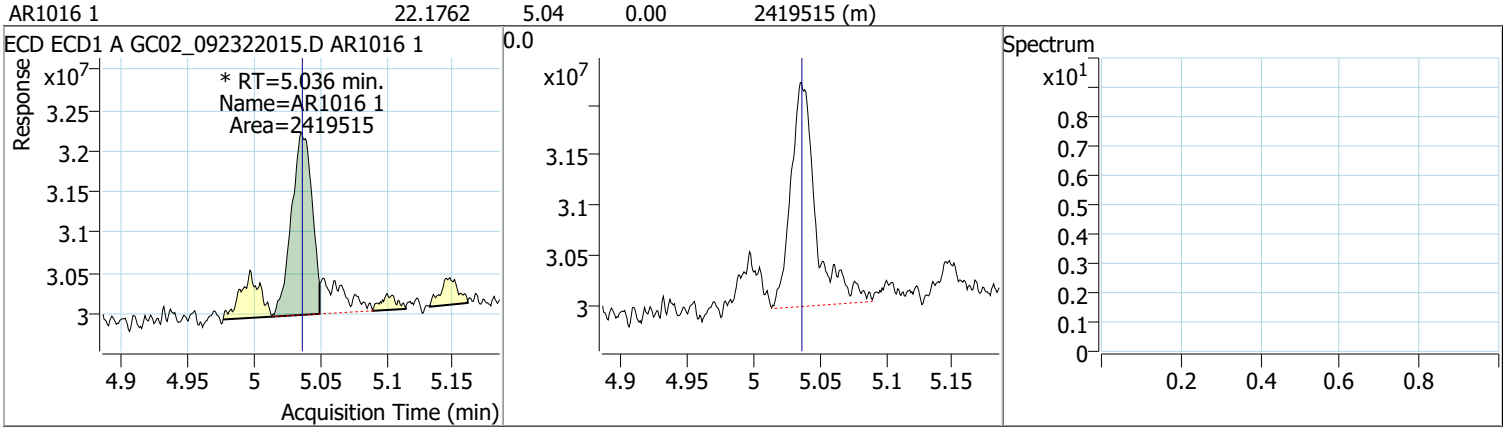
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.4601	4.71	0.00	10604496				



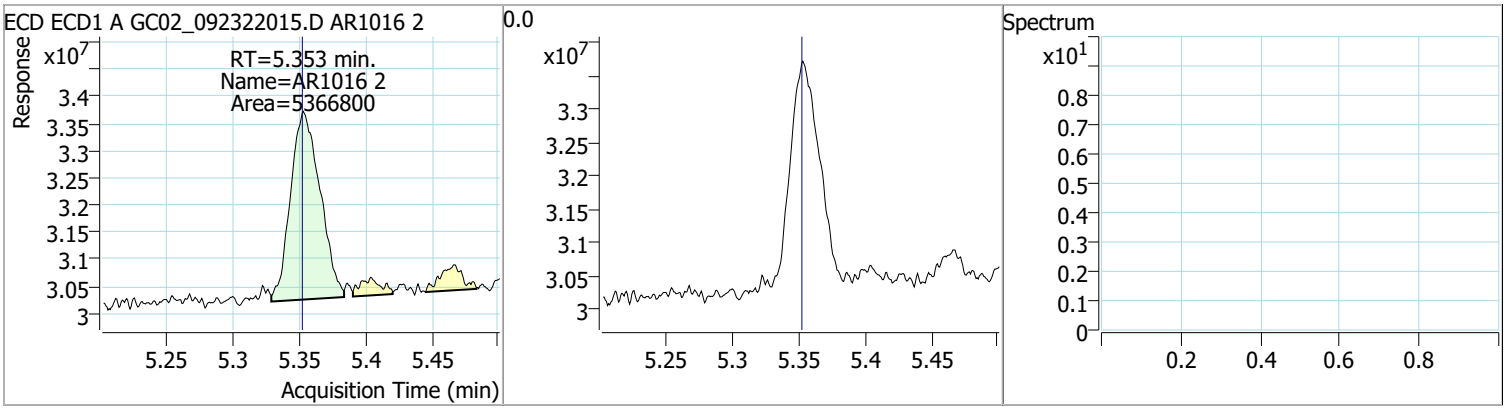
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	2.0037	5.01	0.00	523789				



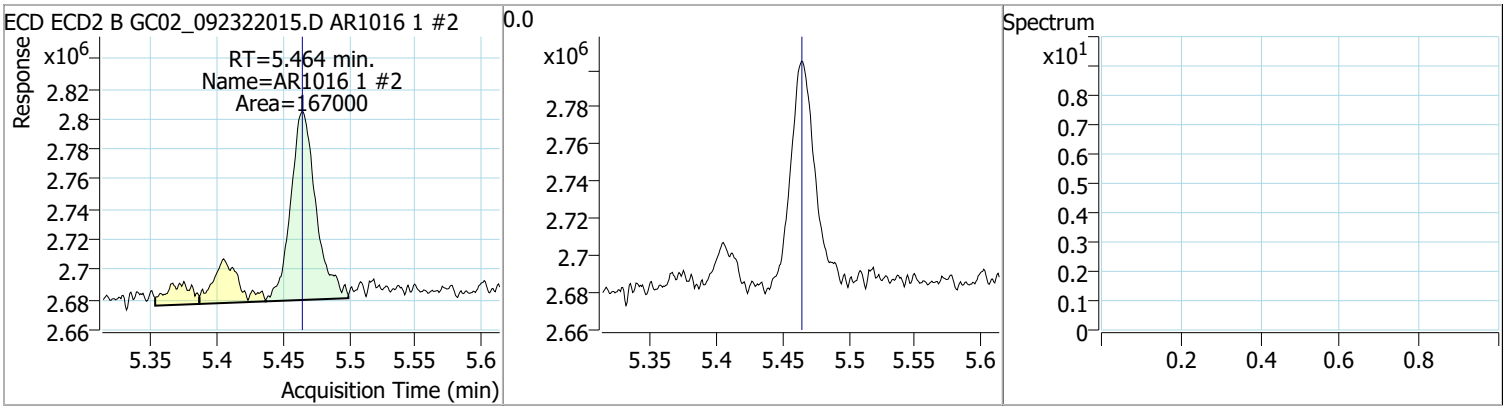
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	22.1762	5.04	0.00	2419515 (m)				



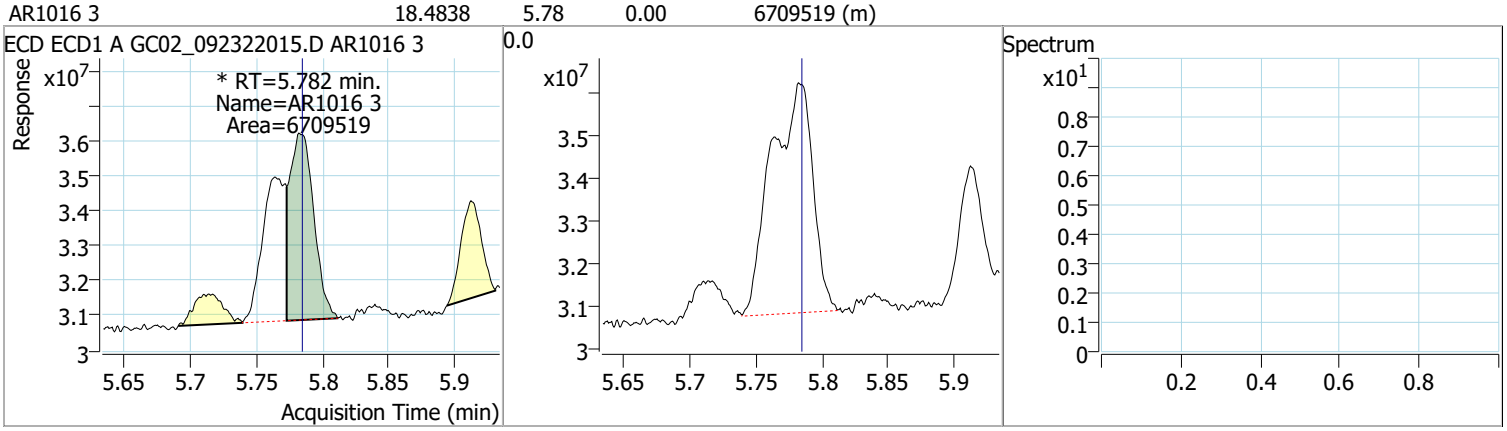
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	22.8163	5.35	0.00	5366800				



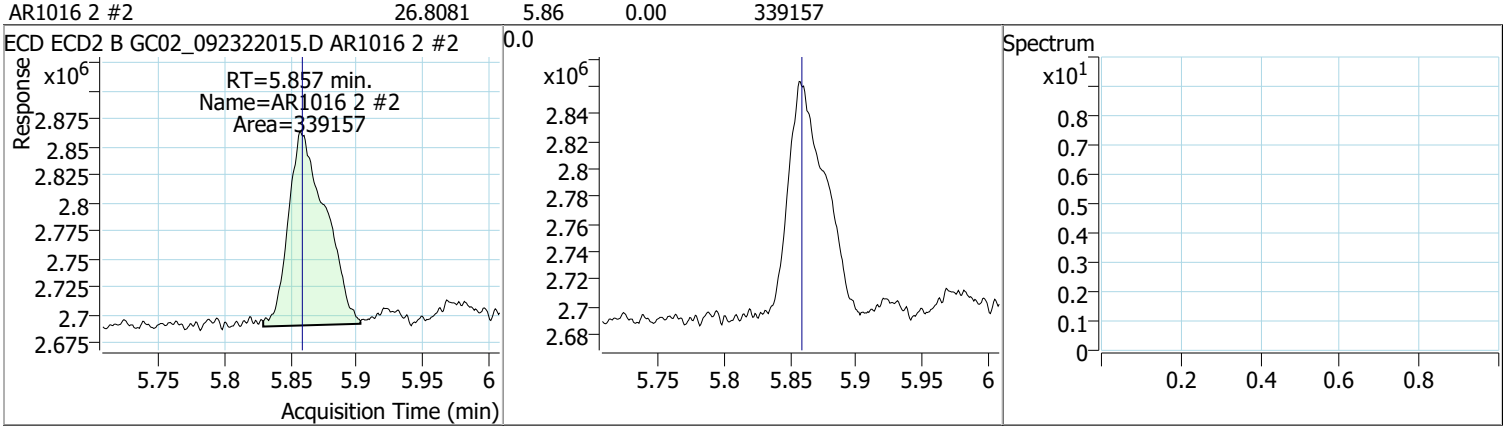
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	27.7452	5.46	0.00	167000				



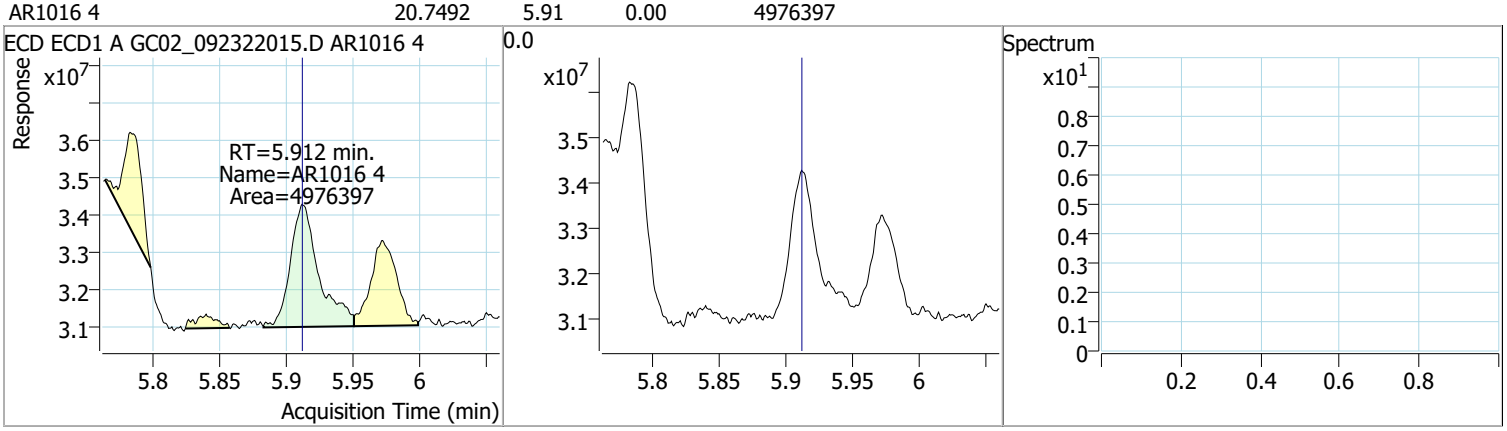
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	18.4838	5.78	0.00	6709519 (m)				



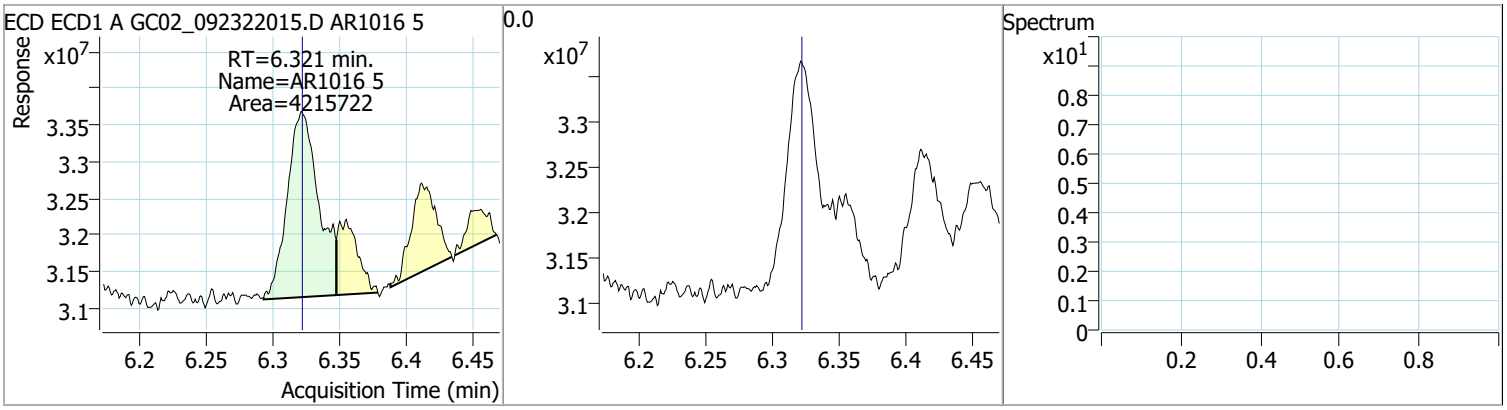
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	26.8081	5.86	0.00	339157				



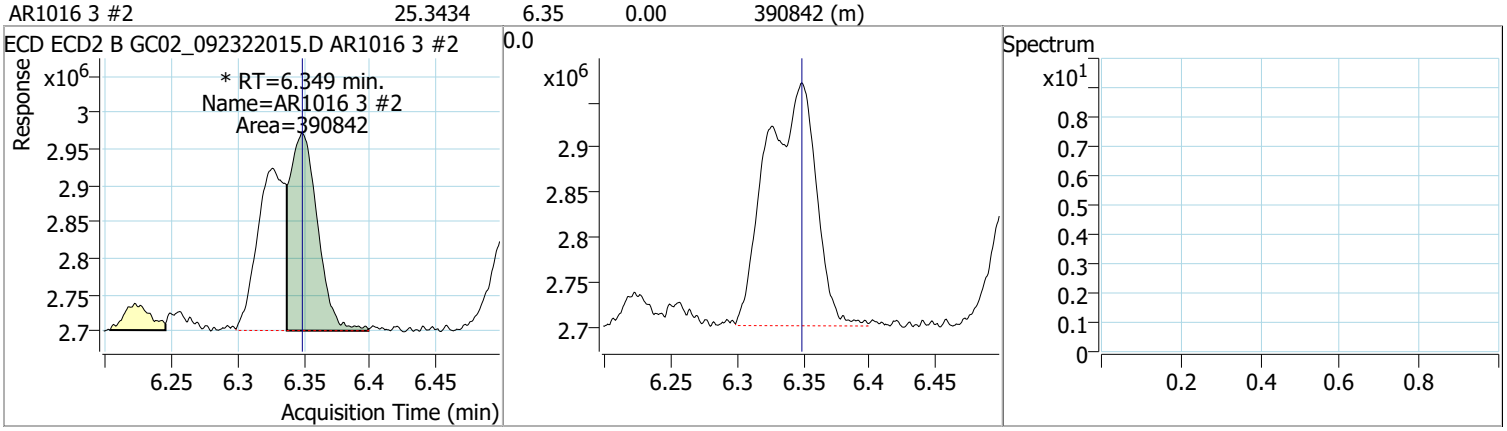
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	20.7492	5.91	0.00	4976397				



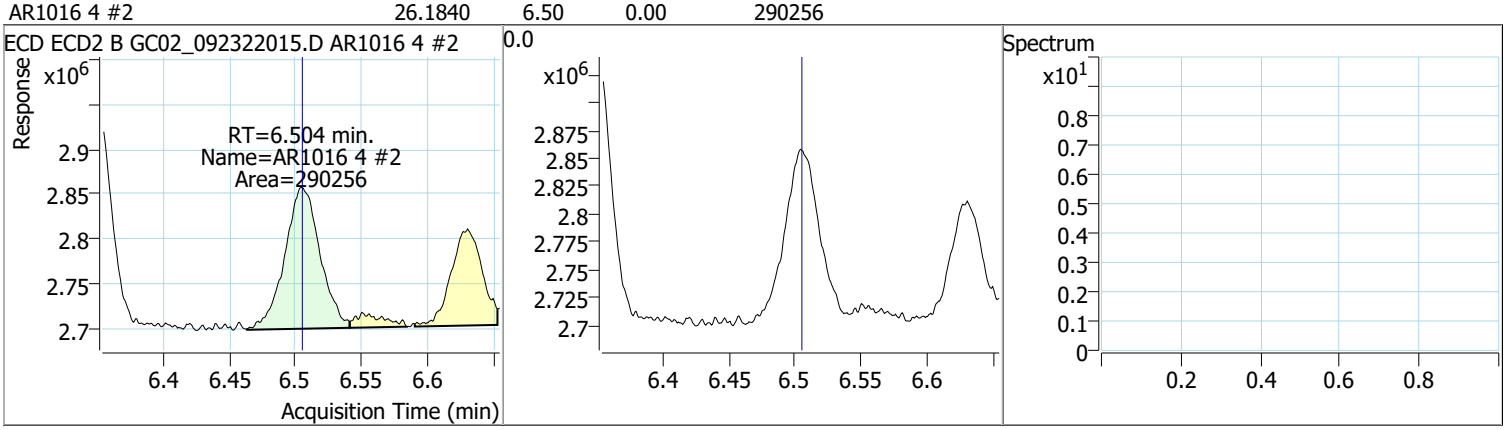
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.8426	6.32	0.00	4215722				



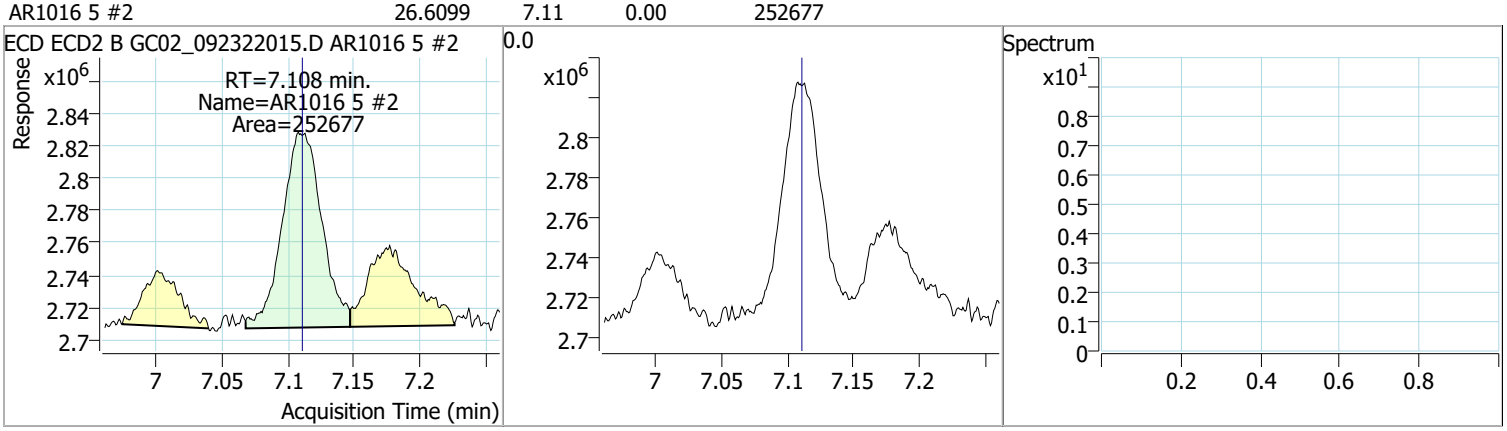
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	25.3434	6.35	0.00	390842 (m)				



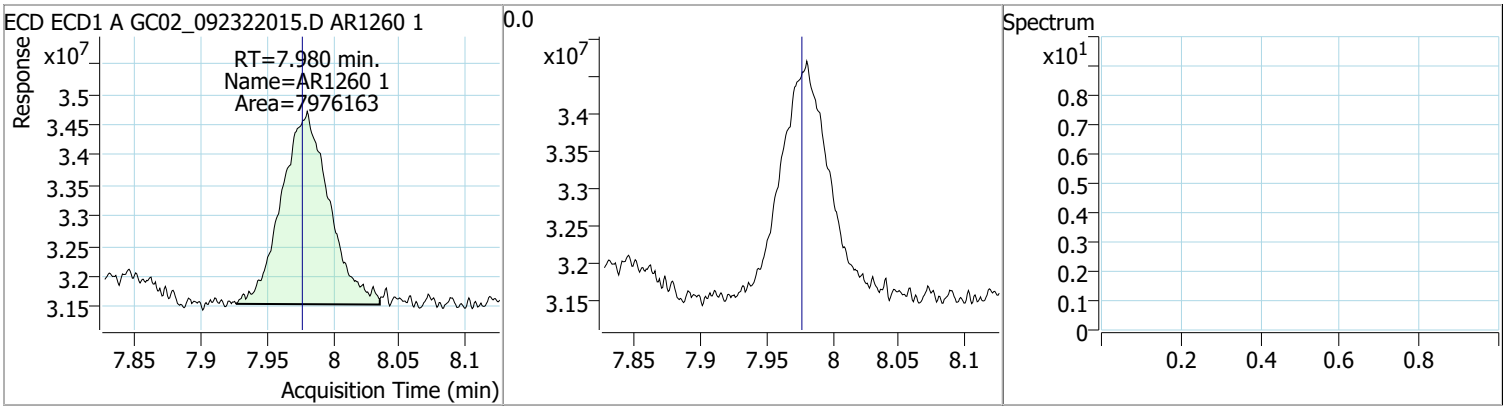
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	26.1840	6.50	0.00	290256				



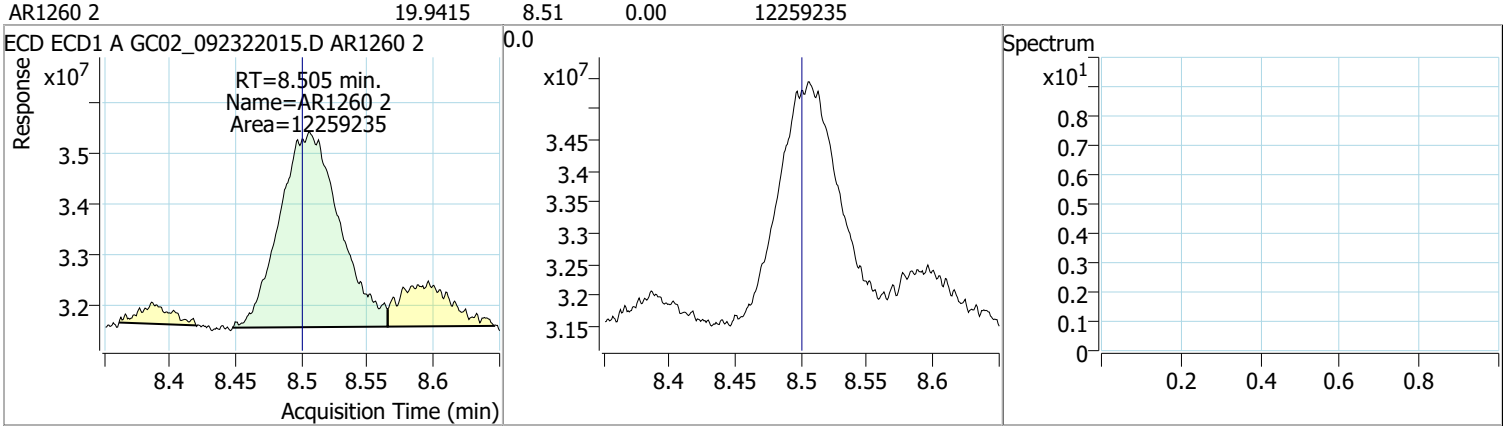
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	26.6099	7.11	0.00	252677				



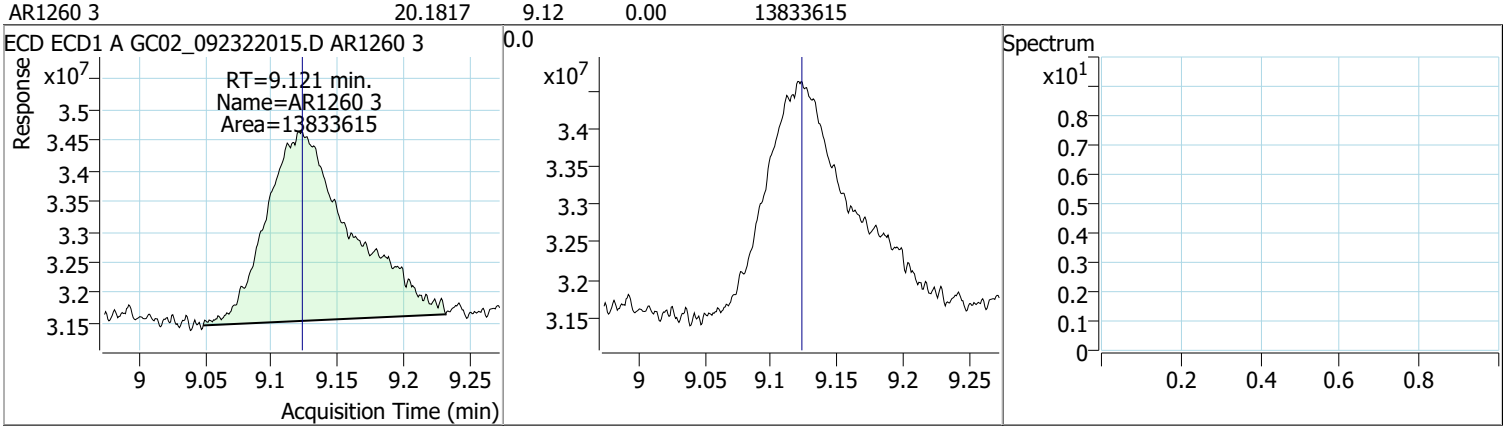
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	21.0254	7.98	0.00	7976163				



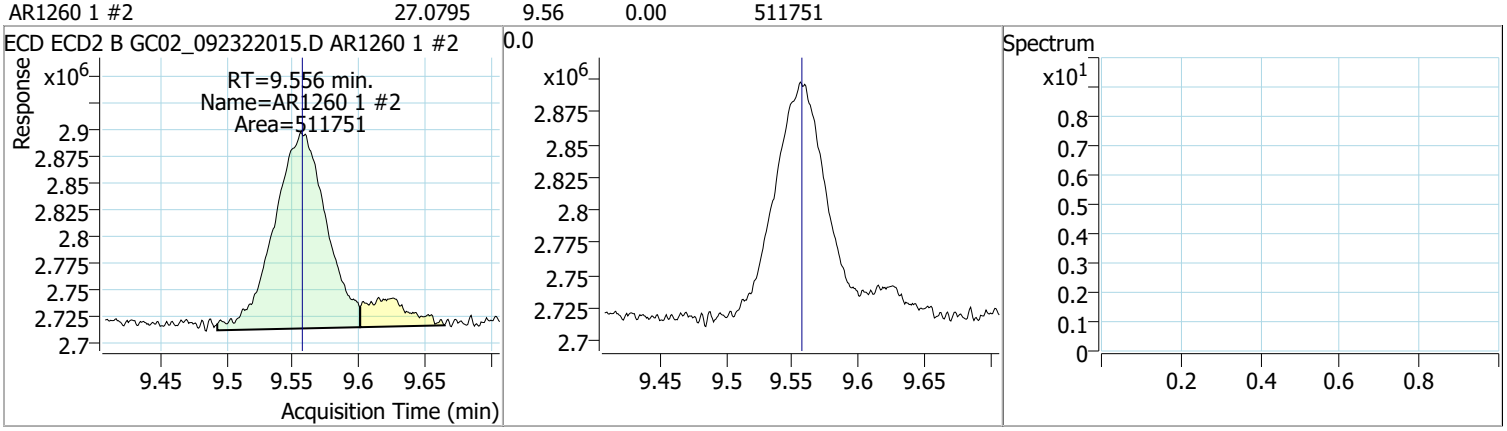
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	19.9415	8.51	0.00	12259235				



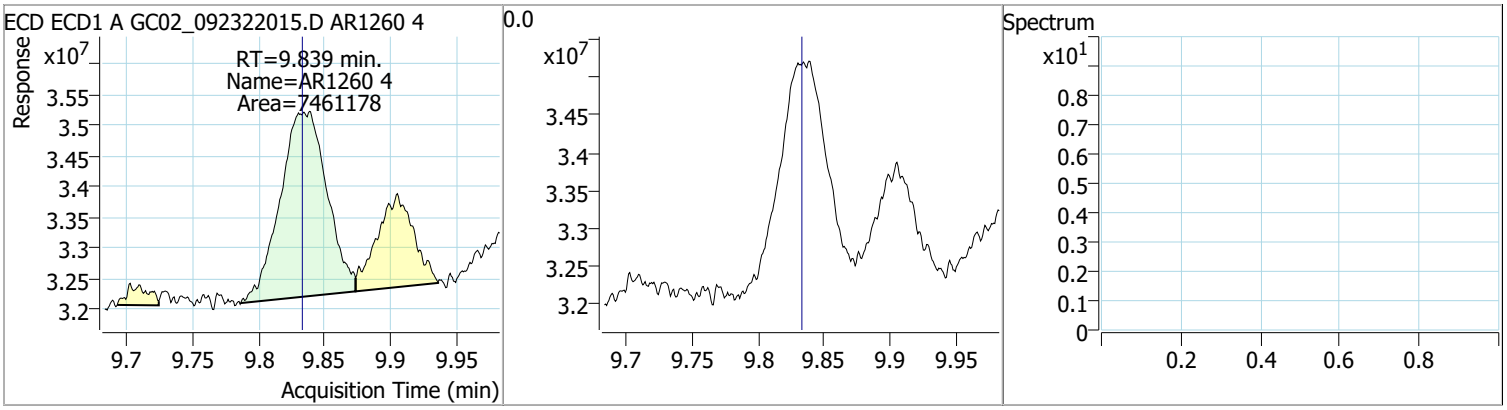
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	20.1817	9.12	0.00	13833615				



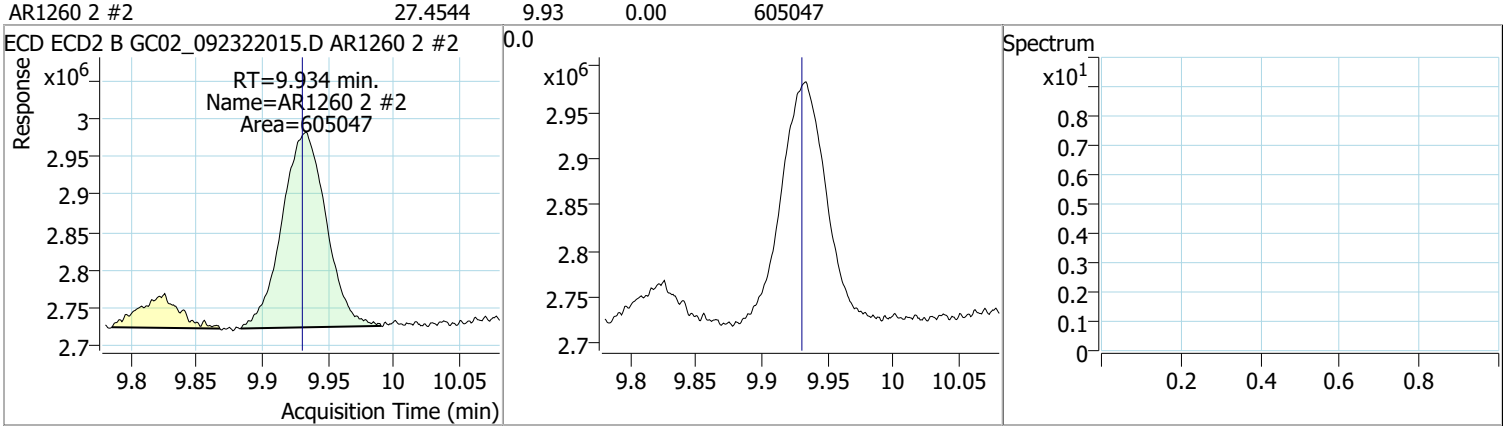
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	27.0795	9.56	0.00	511751				



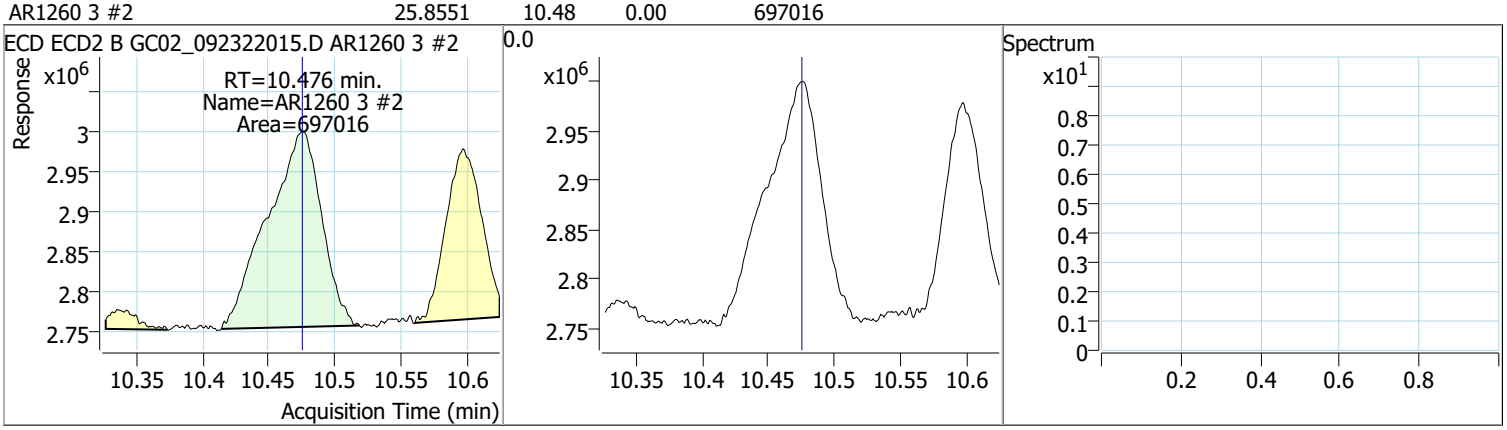
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	19.4647	9.84	0.00	7461178				



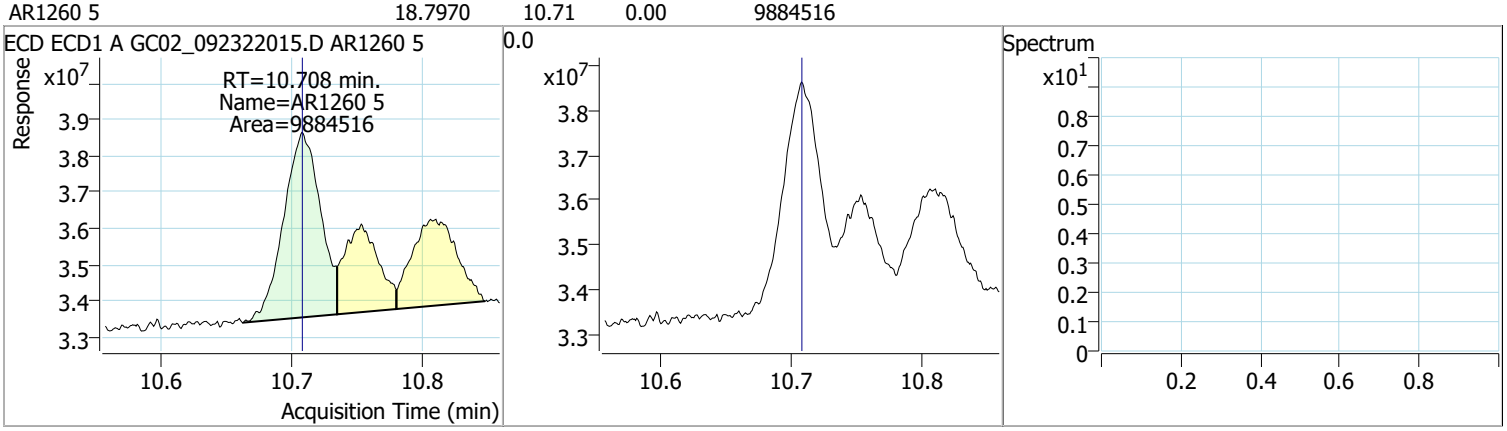
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	27.4544	9.93	0.00	605047				



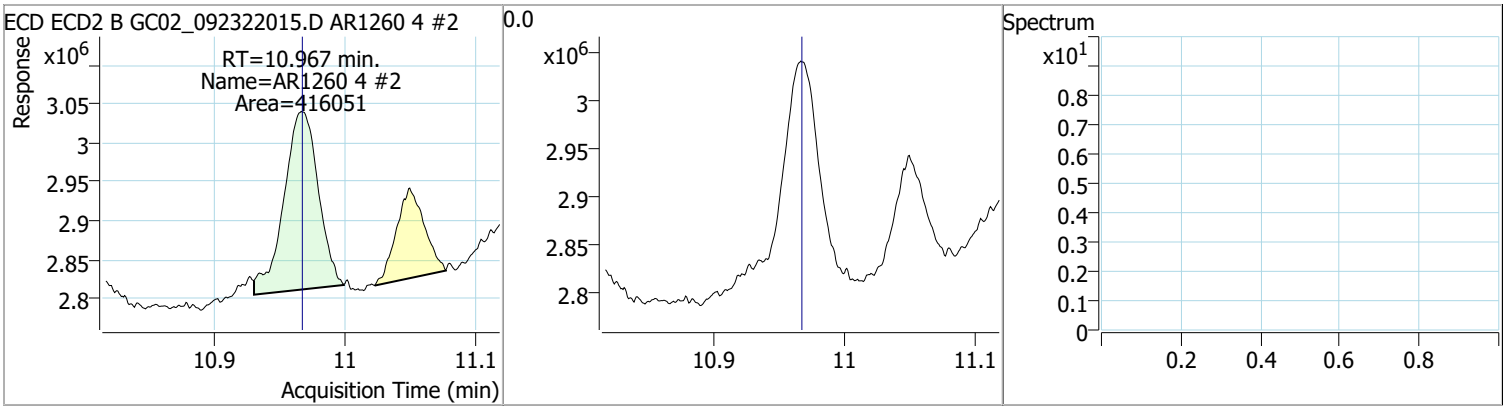
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	25.8551	10.48	0.00	697016				



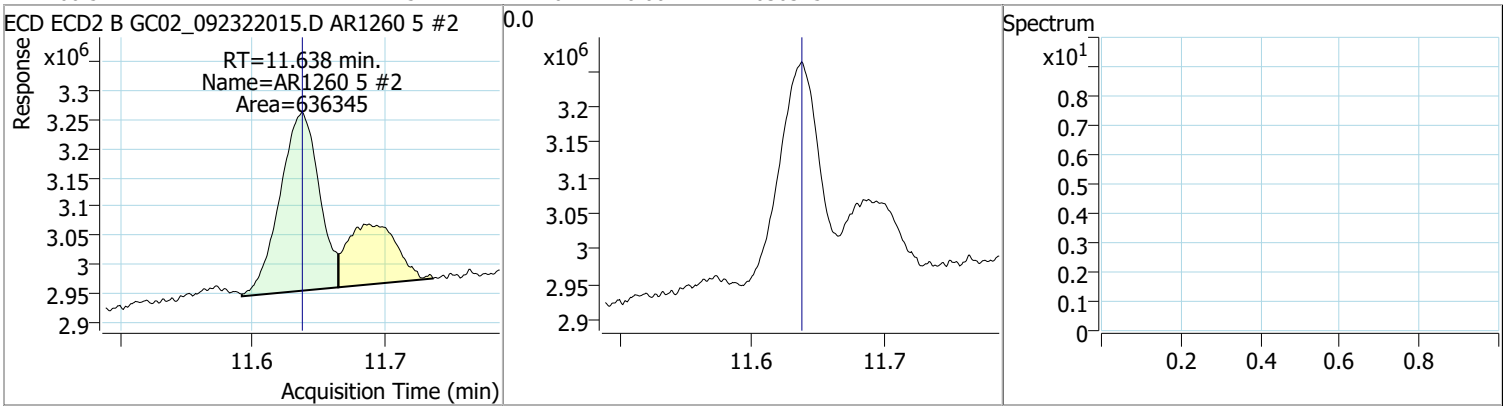
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.7970	10.71	0.00	9884516				



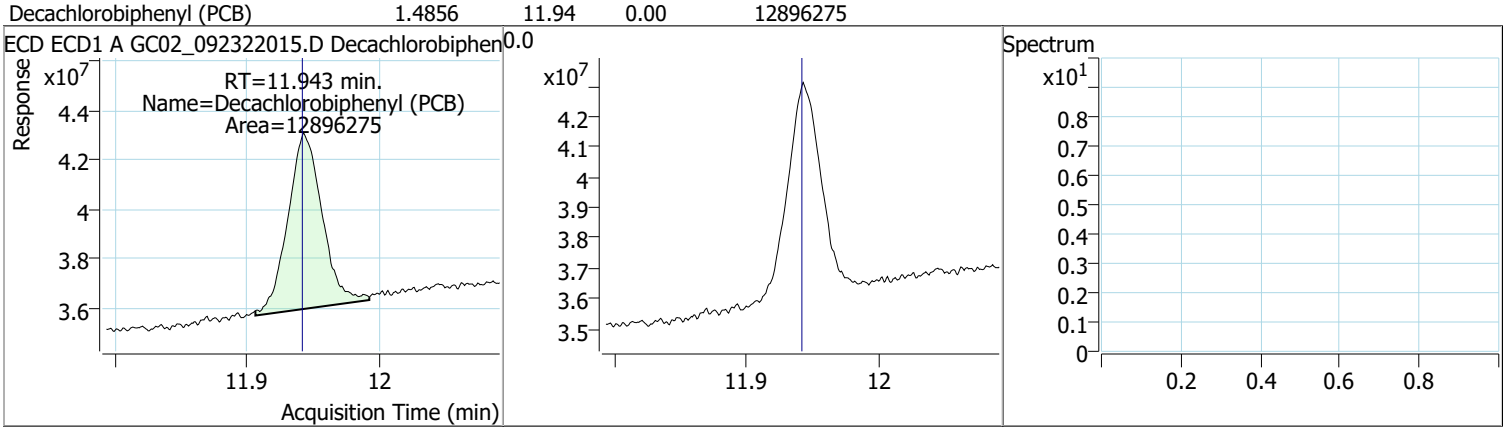
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	25.2843	10.97	0.00	416051				



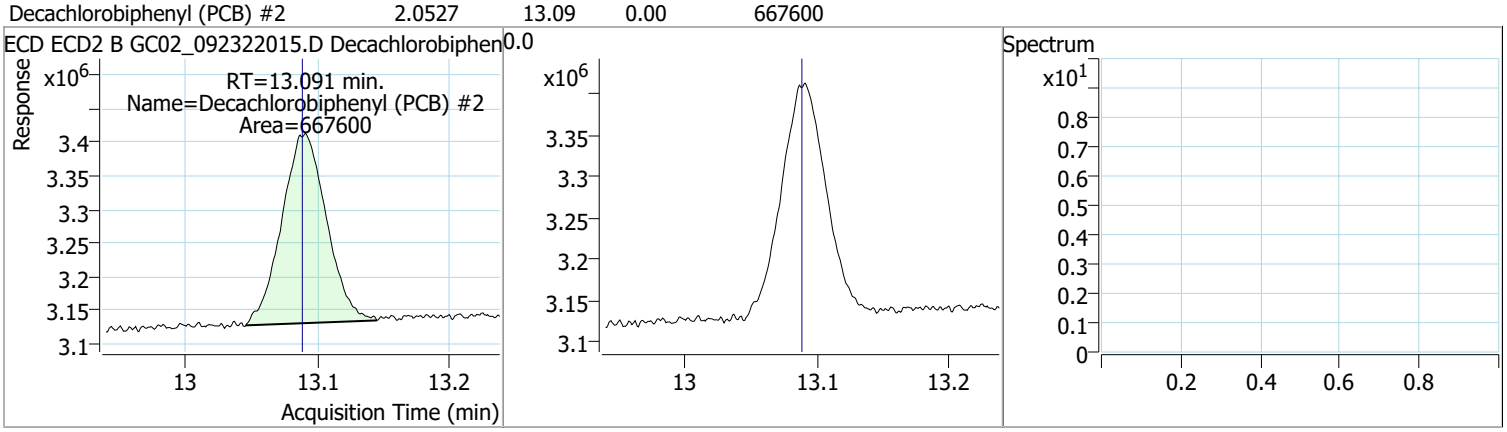
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	25.7712	11.64	0.00	636345				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.4856	11.94	0.00	12896275				

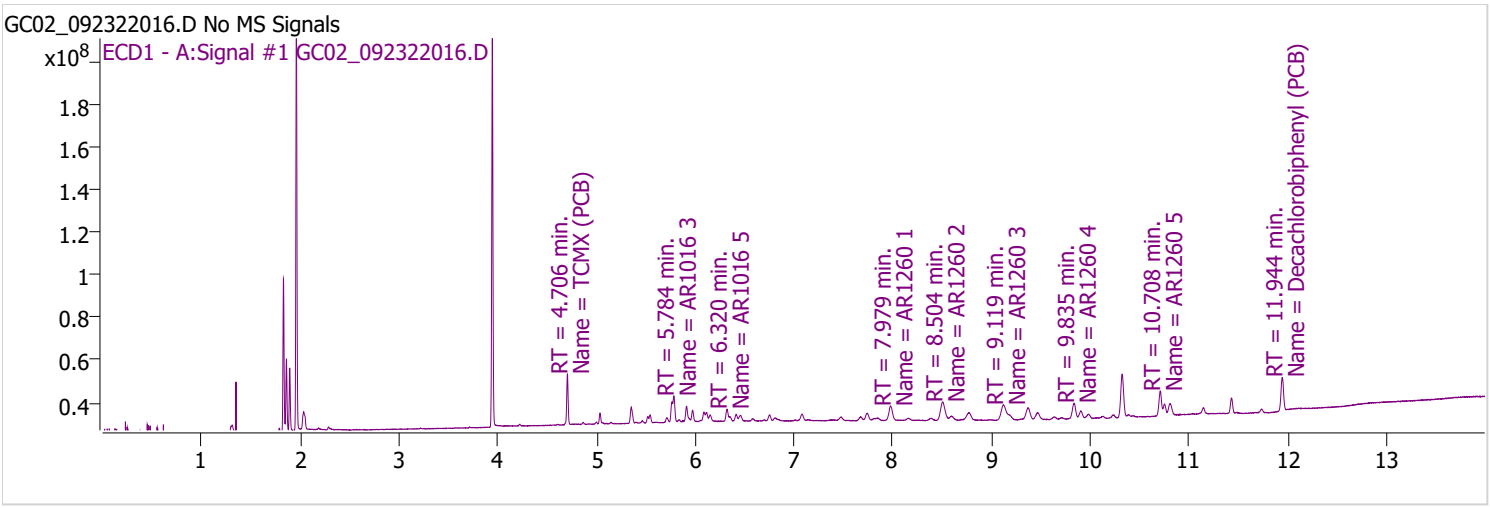


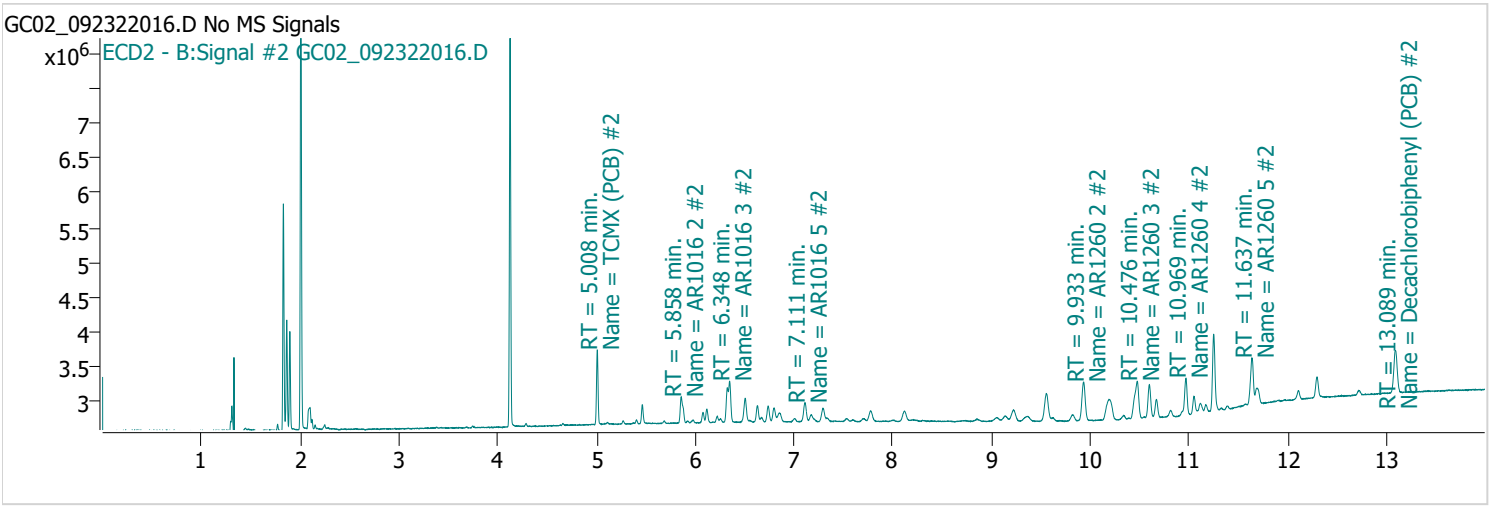
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.0527	13.09	0.00	667600				



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			



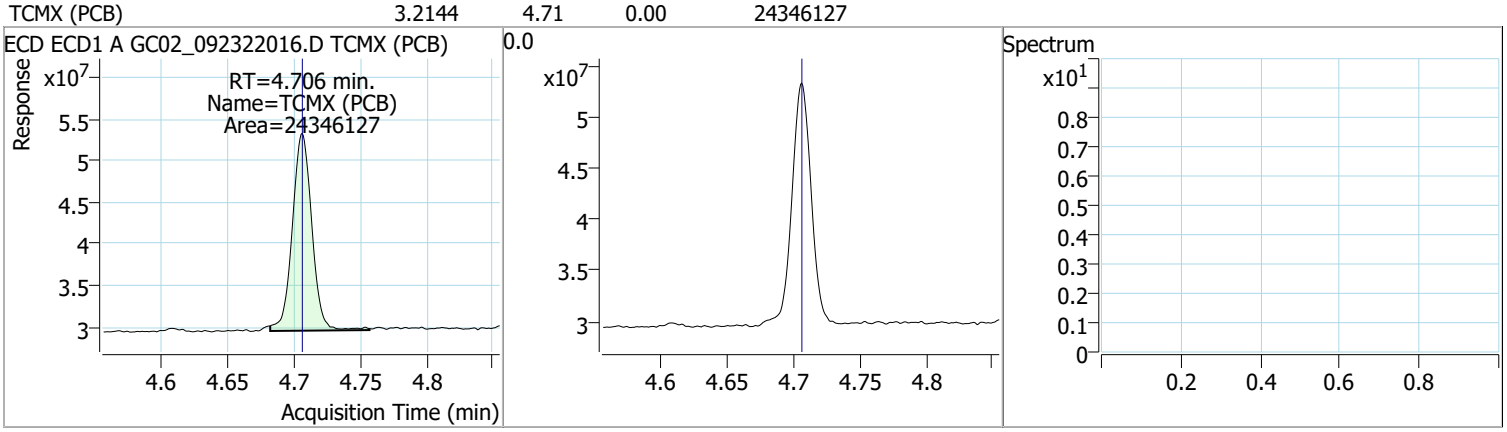


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	156102999.911	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	5214365.034	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	24346127.215	3.2144	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

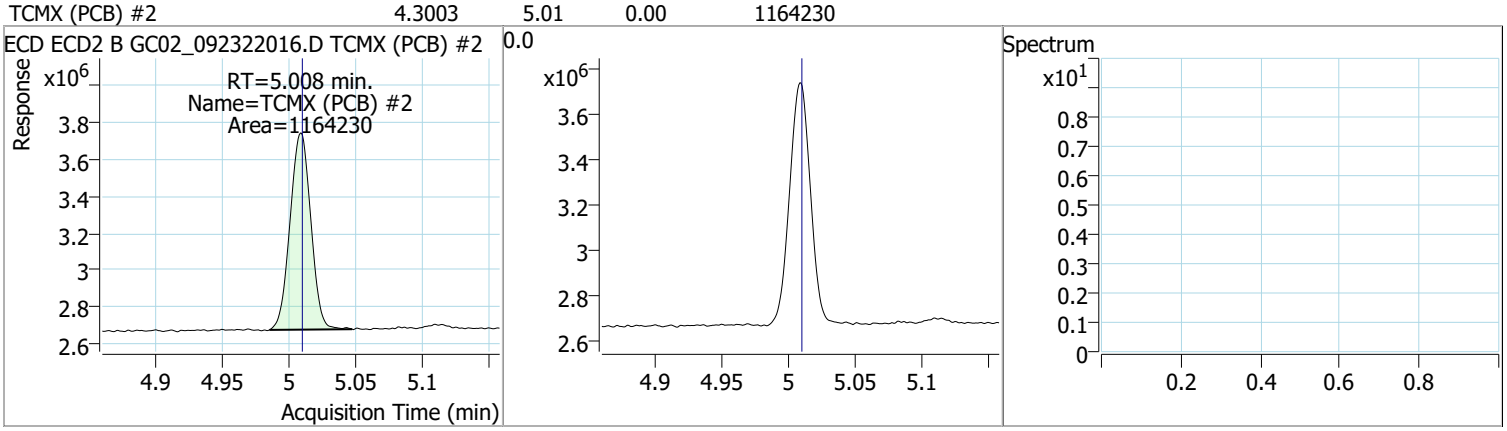
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.036	0.0	5963123.851	52.4095	ng/ml		100
T AR1016 2	5.353	0.0	11937815.315	48.6667	ng/ml		100
T AR1016 1 #2	5.465	0.0	346285.788	55.5501	ng/ml		100
T AR1016 3	5.784	0.0	14826865.641	39.1676	ng/ml	m	100
T AR1016 2 #2	5.858	0.0	747175.030	57.0253	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

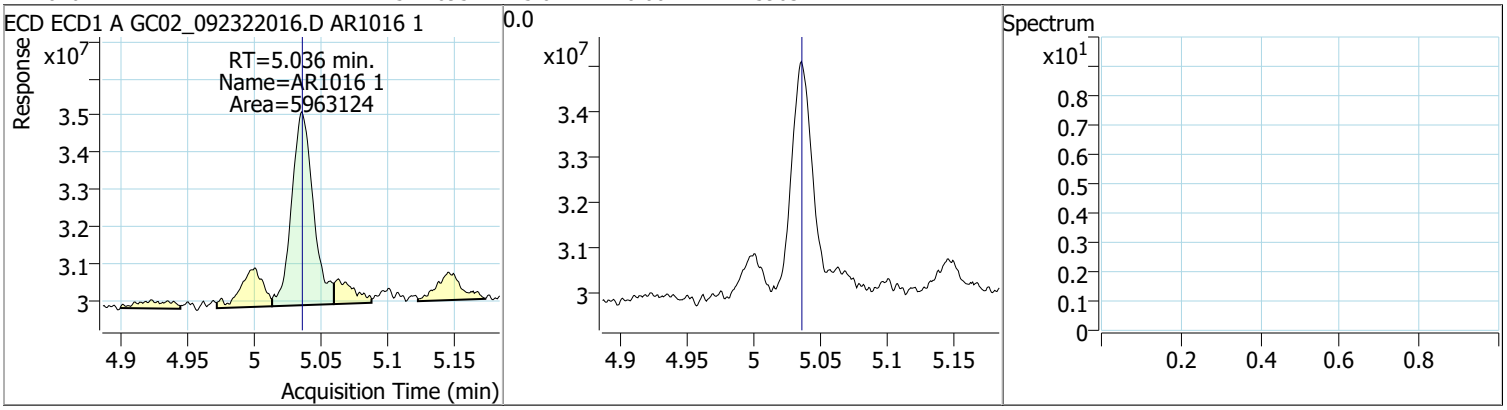
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	3.2144	4.71	0.00	24346127				



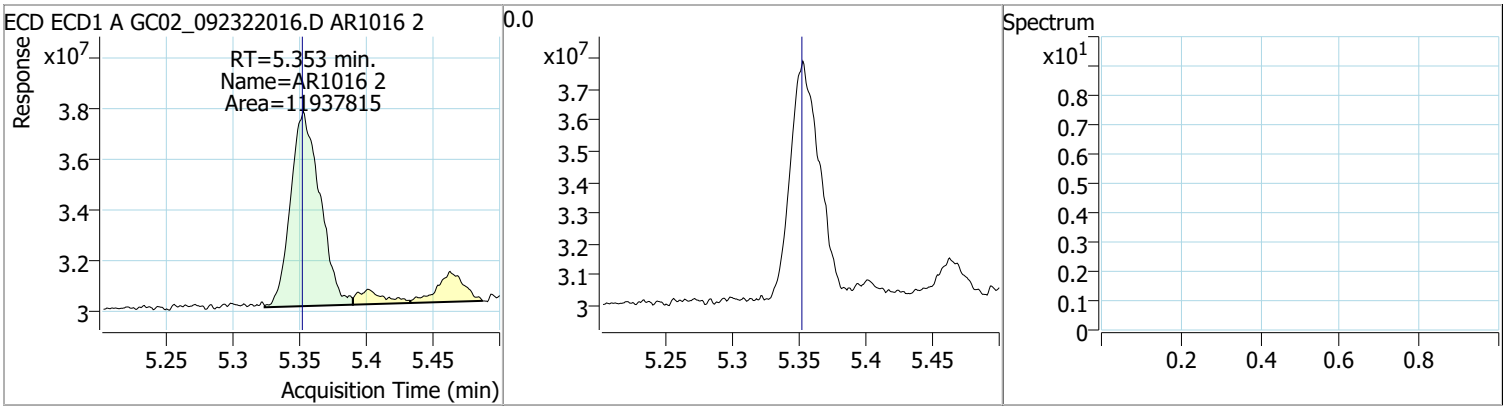
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.3003	5.01	0.00	1164230				



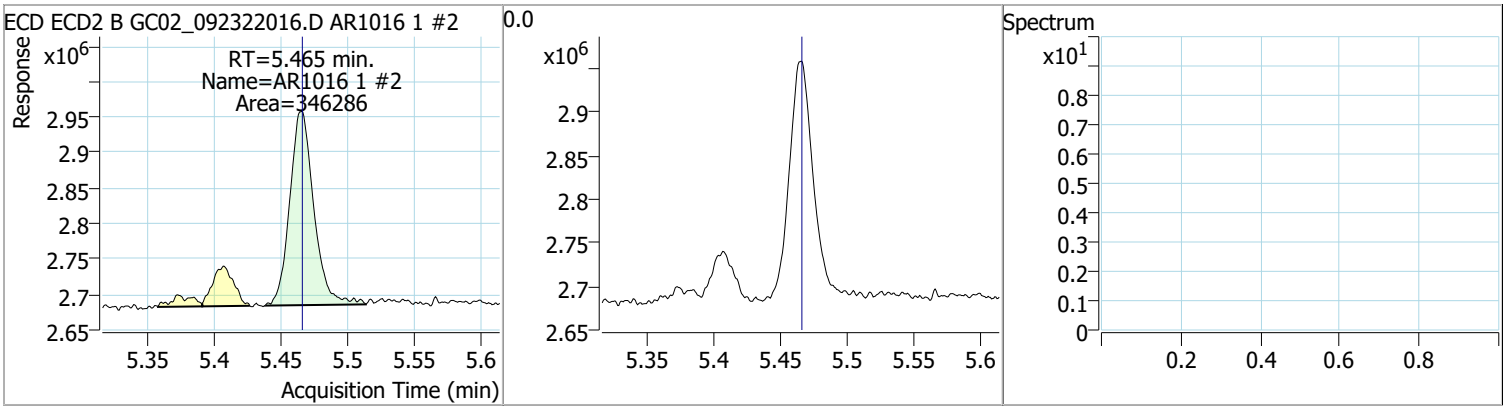
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	52.4095	5.04	0.00	5963124				



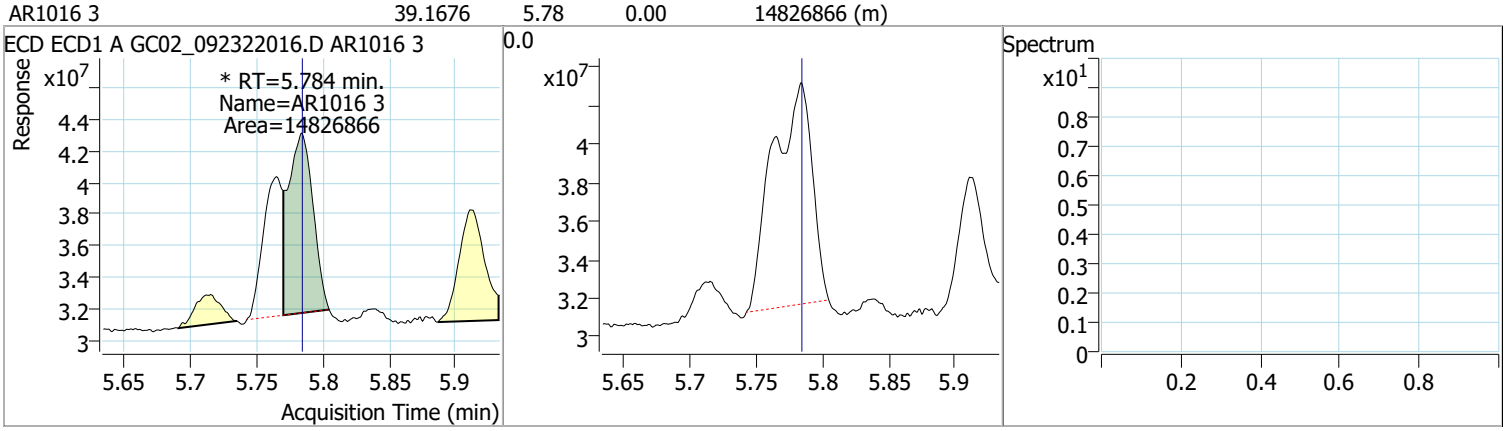
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	48.6667	5.35	0.00	11937815				



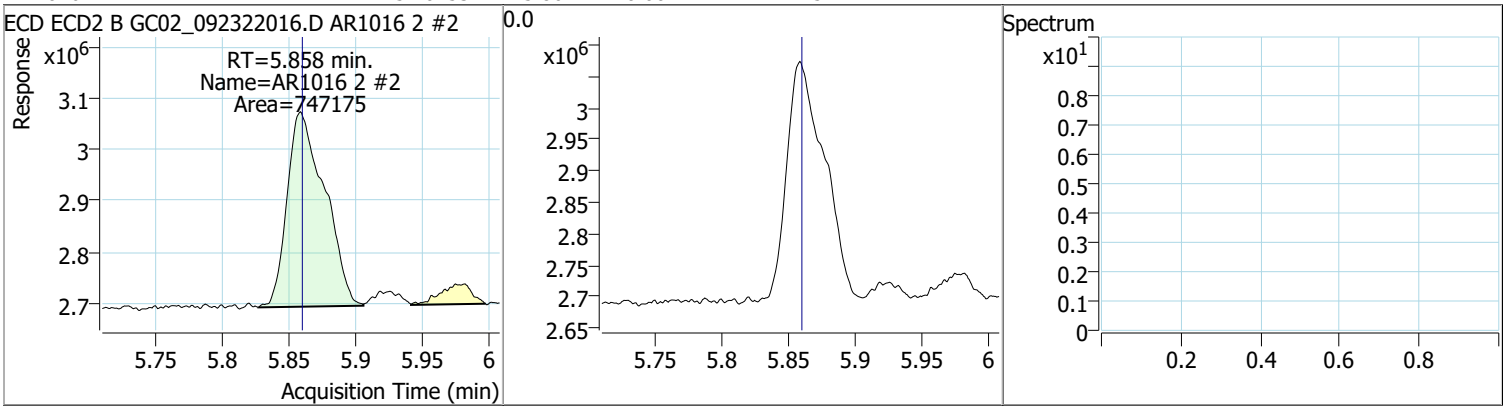
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	55.5501	5.47	0.00	346286				



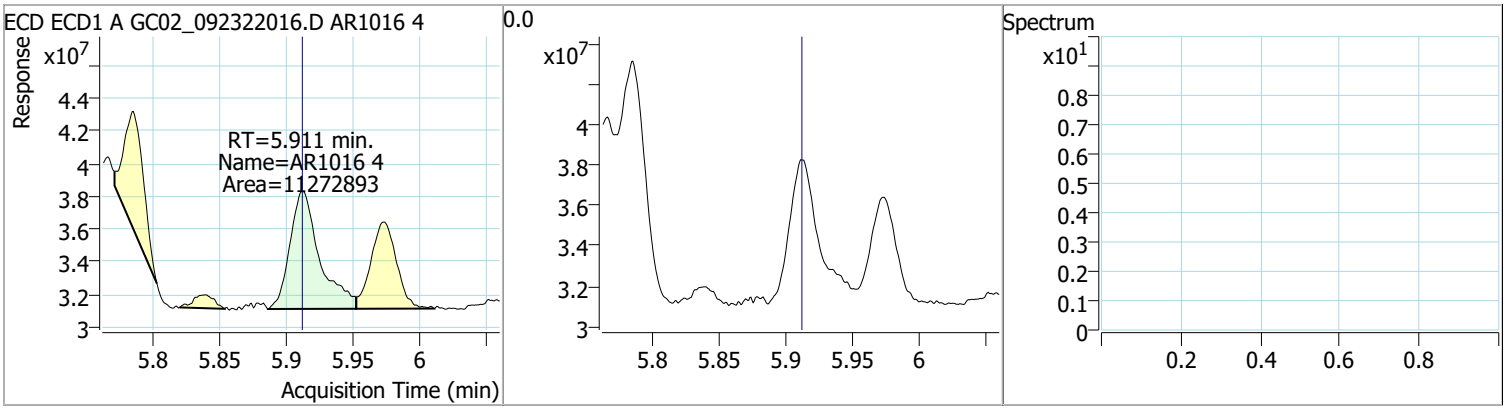
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	39.1676	5.78	0.00	14826866 (m)				



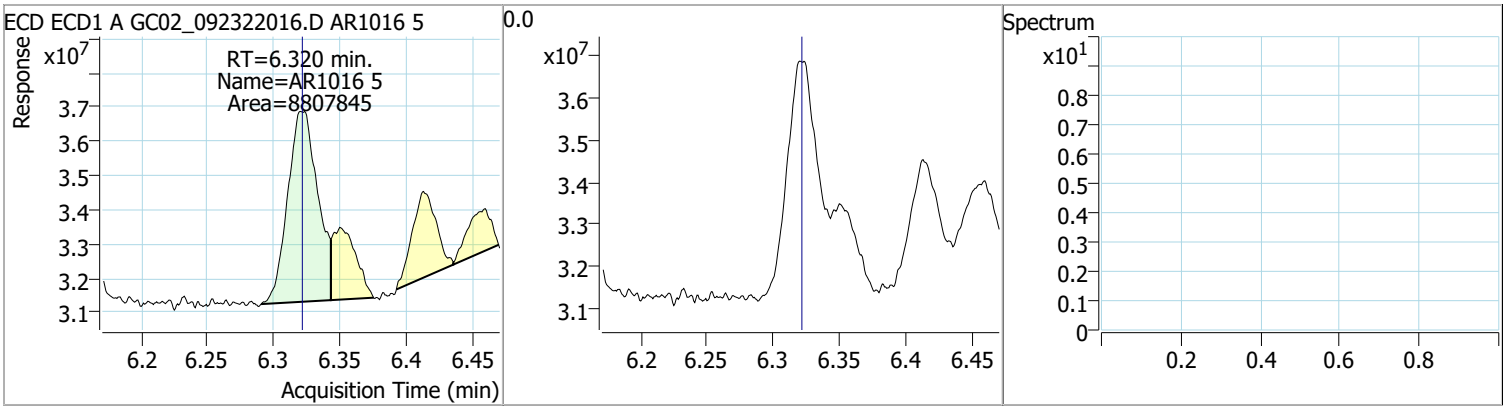
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	57.0253	5.86	0.00	747175				



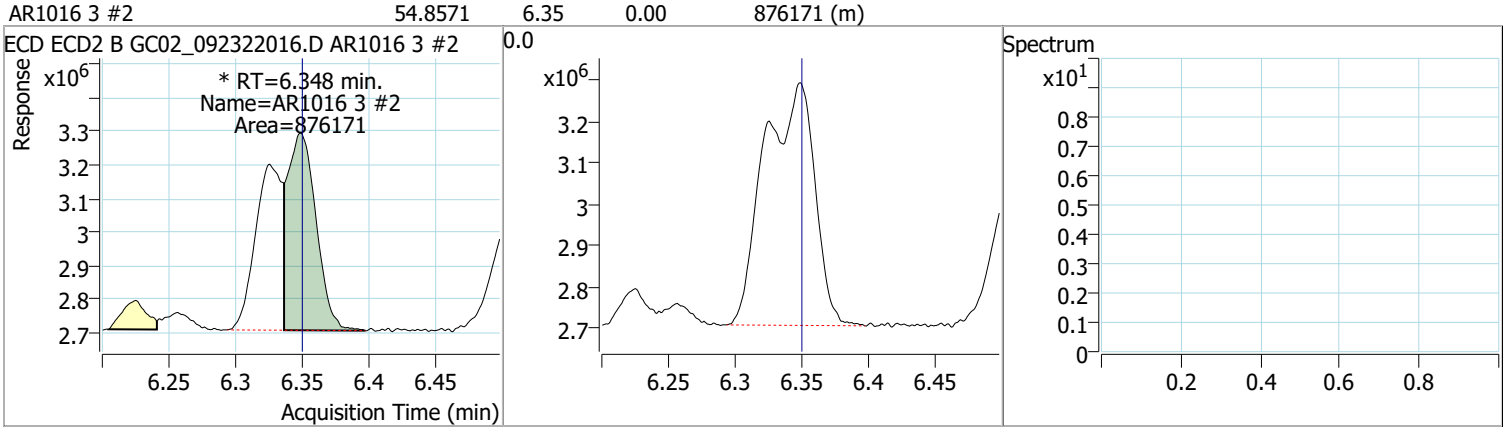
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	45.0712	5.91	0.00	11272893				



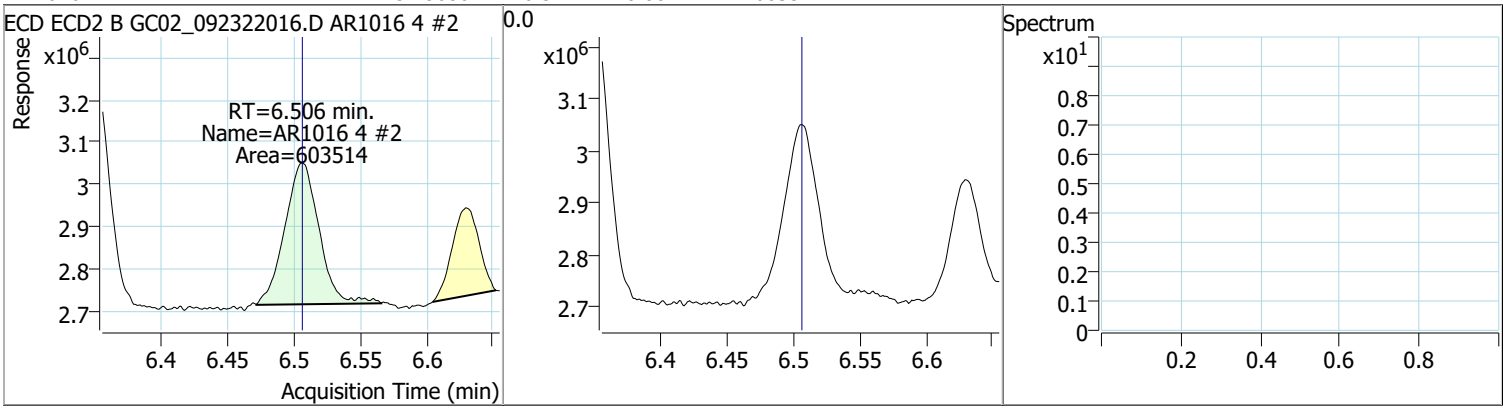
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	43.7602	6.32	0.00	8807845				



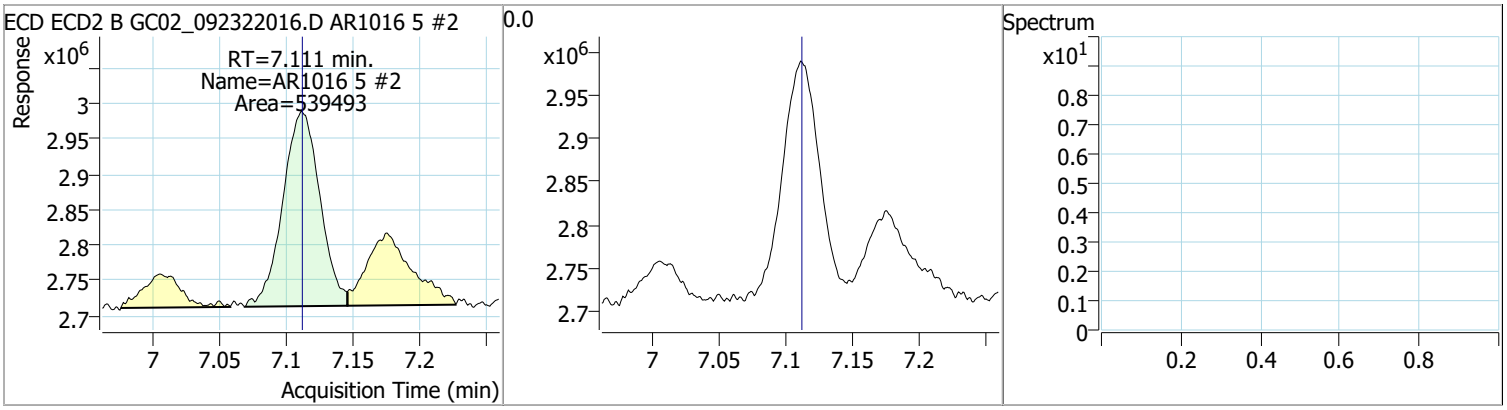
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	54.8571	6.35	0.00	876171 (m)				



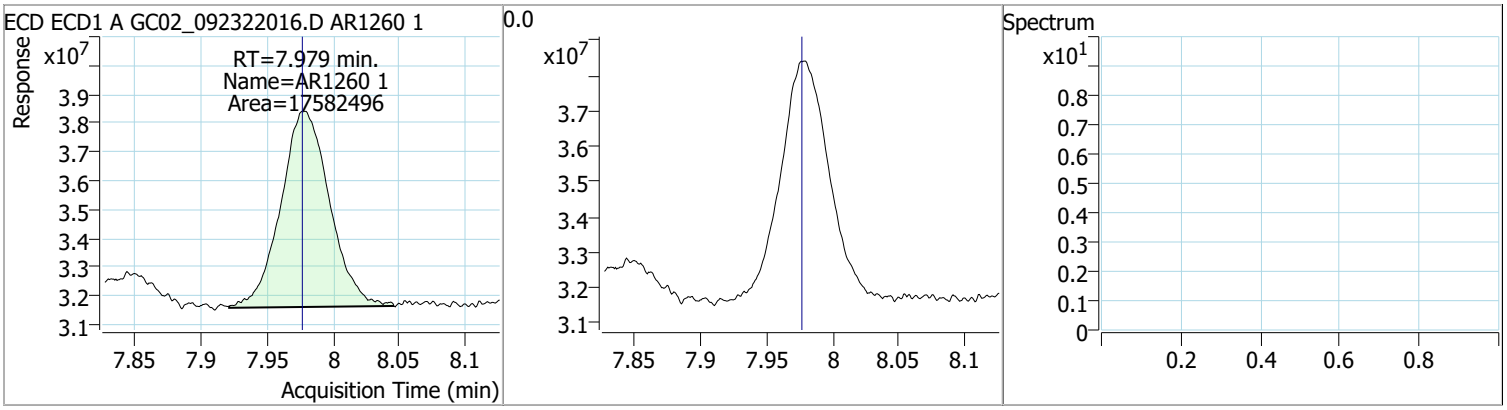
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	52.5680	6.51	0.00	603514				



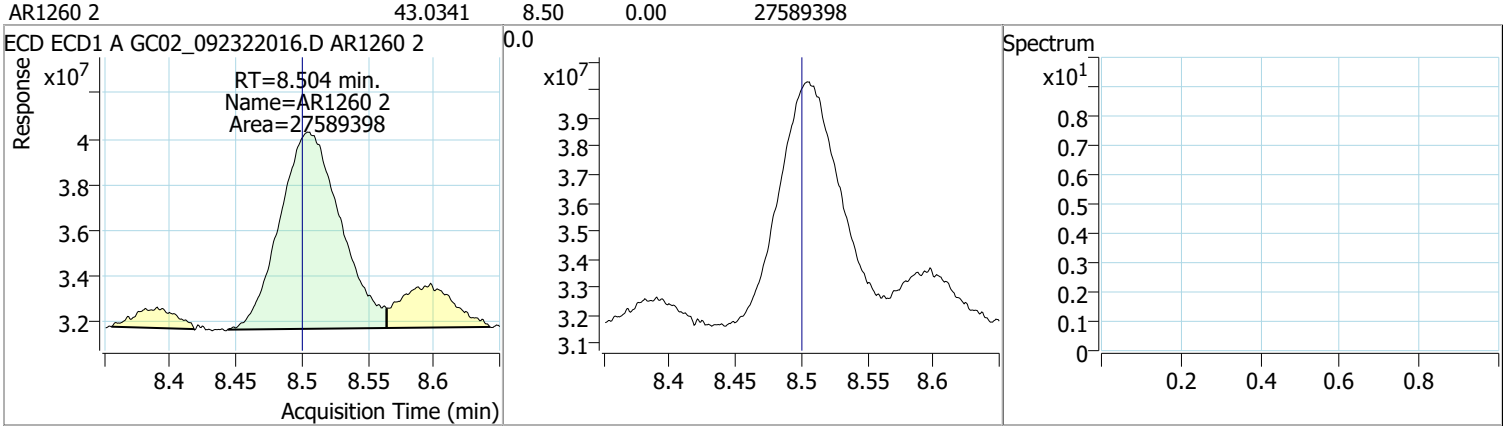
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AR1016 5 #2	54.8584	7.11	0.00	539493				



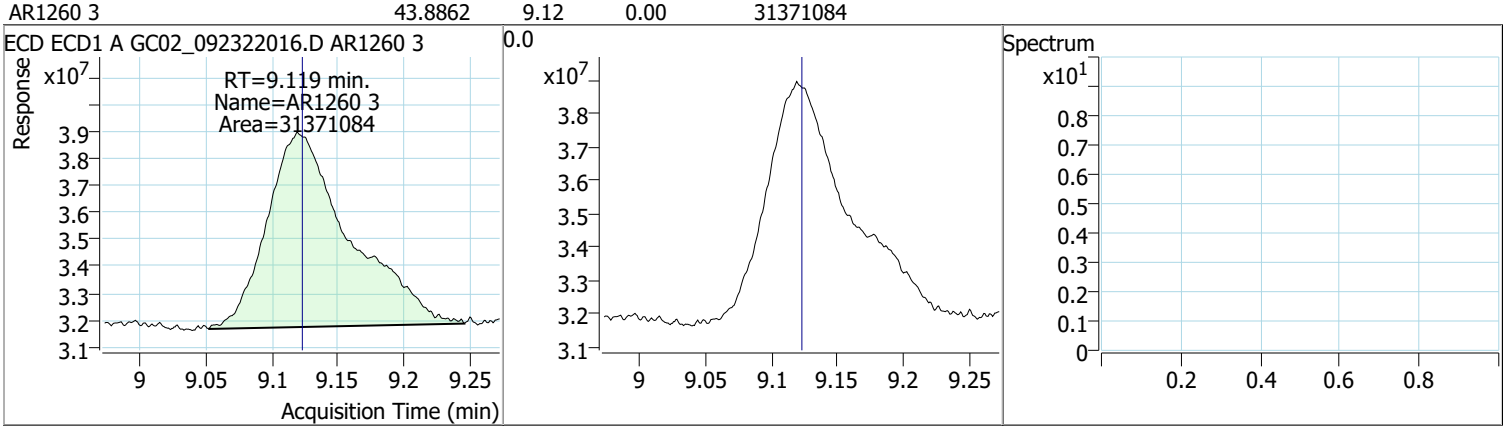
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	44.4434	7.98	0.00	17582496				



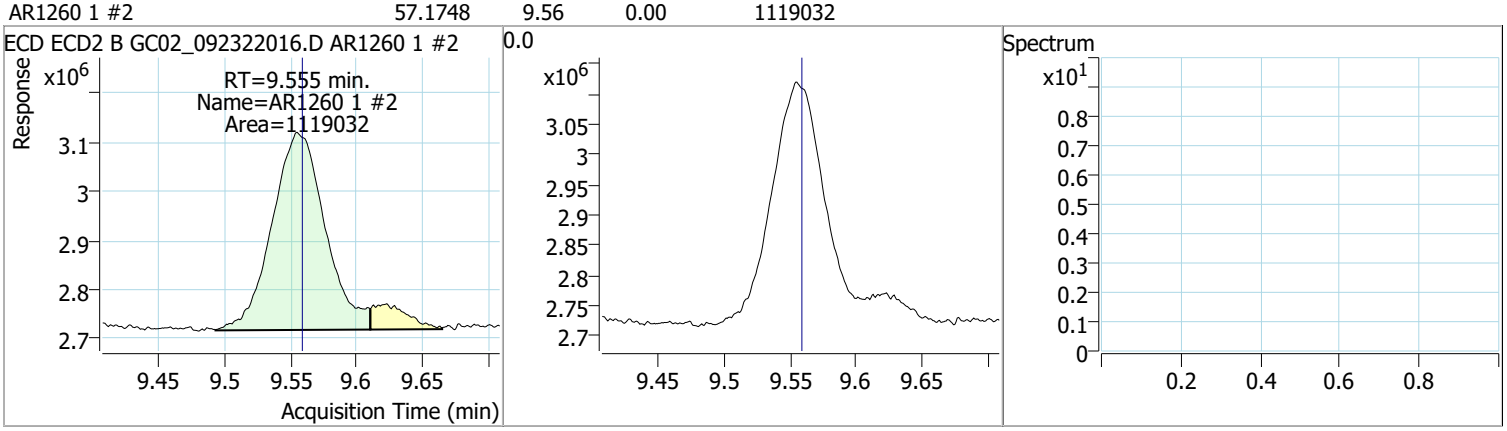
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	43.0341	8.50	0.00	27589398				



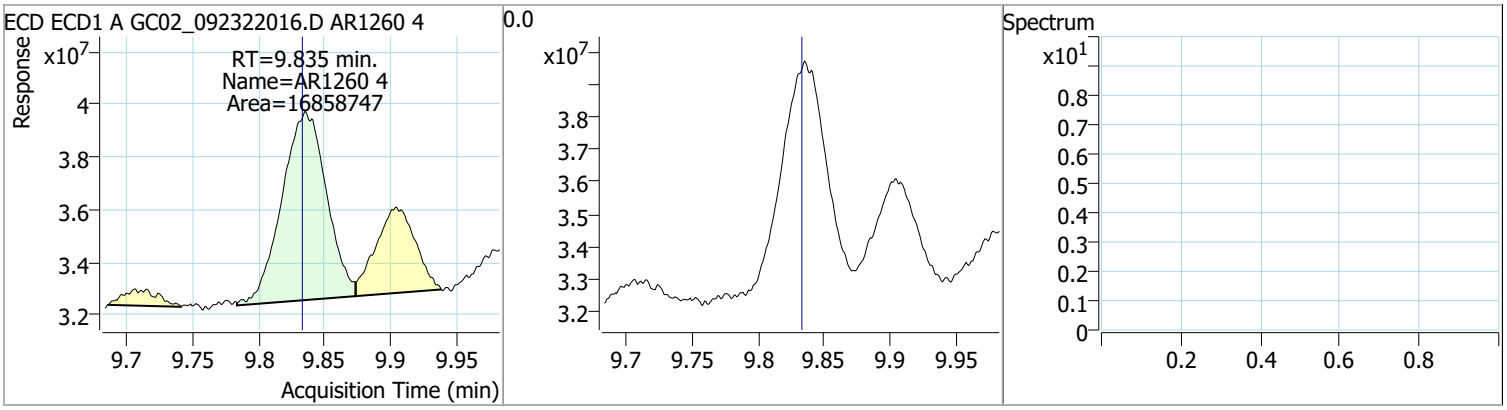
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	43.8862	9.12	0.00	31371084				



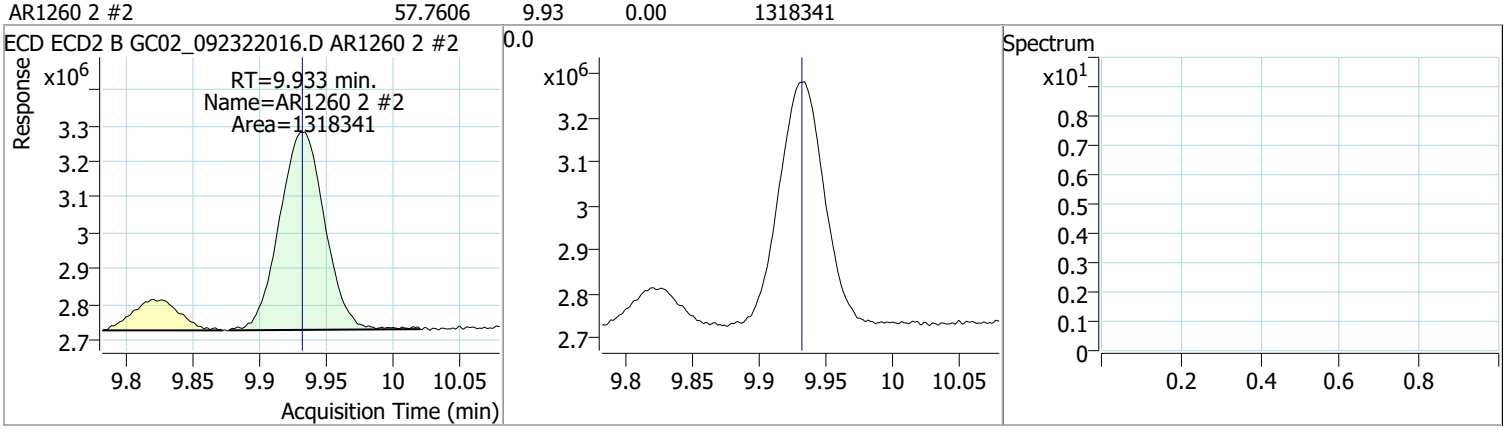
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	57.1748	9.56	0.00	1119032				



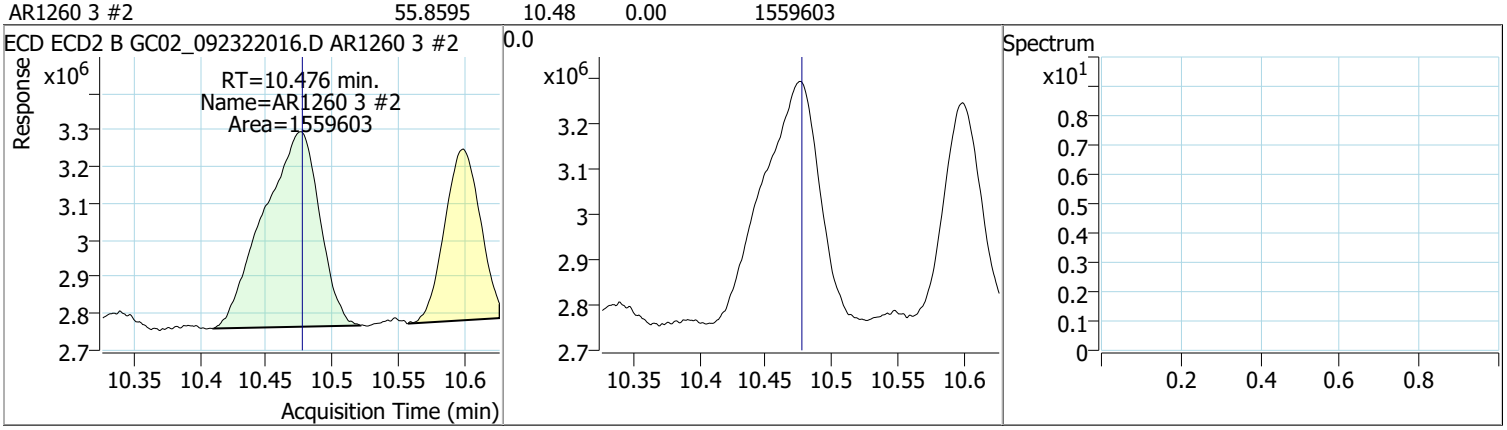
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.1737	9.84	0.00	16858747				



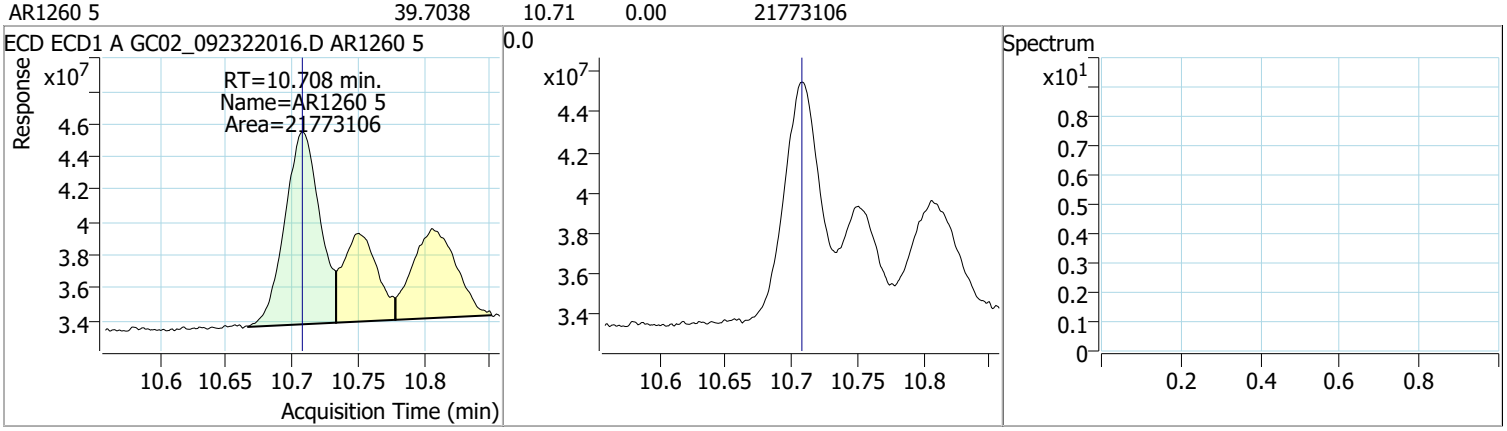
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	57.7606	9.93	0.00	1318341				



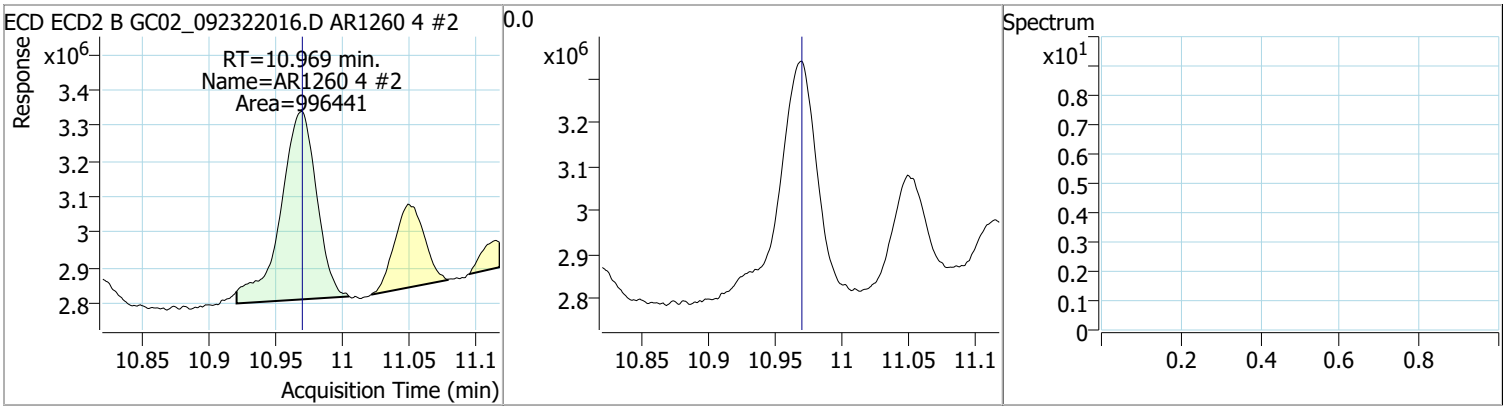
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	55.8595	10.48	0.00	1559603				



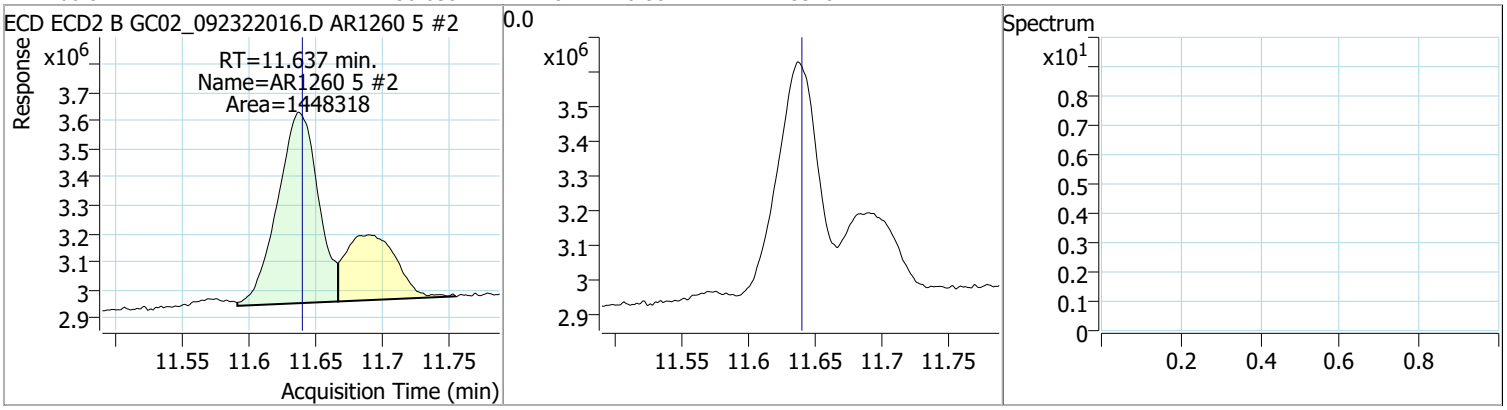
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	39.7038	10.71	0.00	21773106				



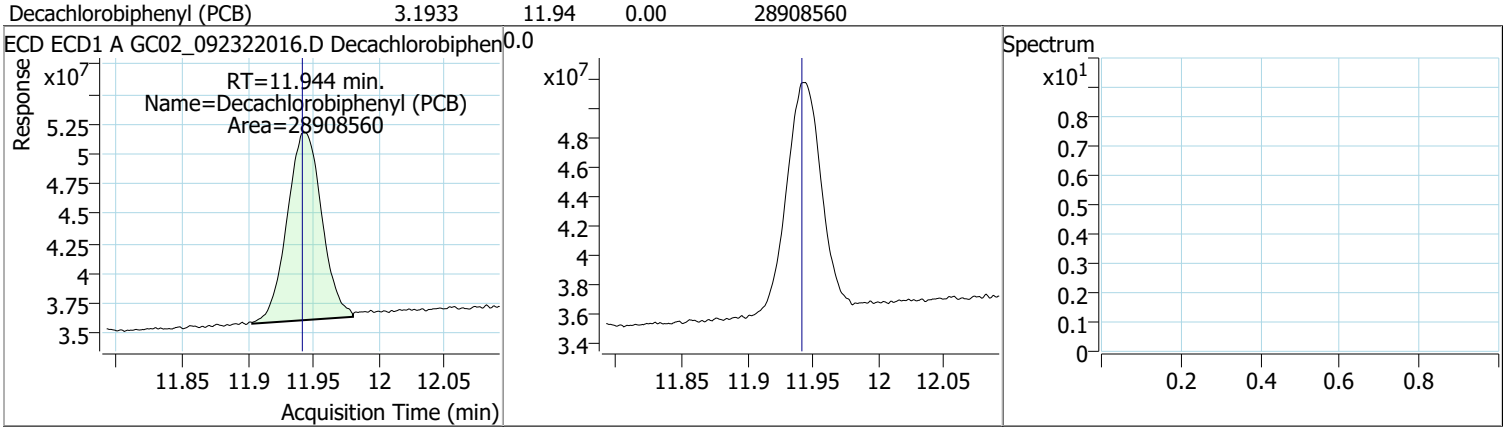
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	58.4704	10.97	0.00	996441				



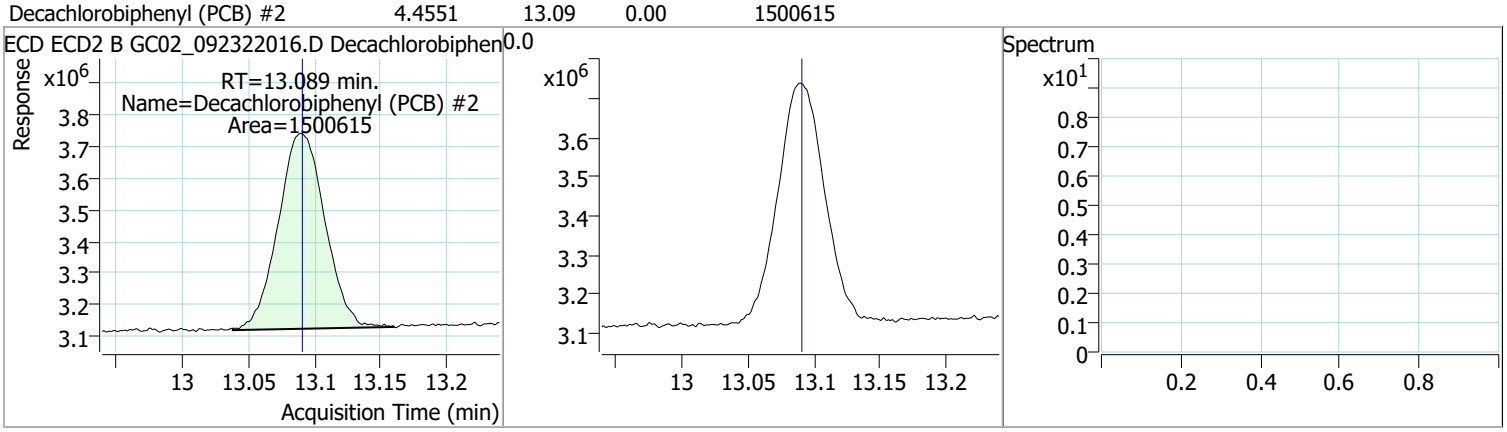
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	56.6351	11.64	0.00	1448318				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	3.1933	11.94	0.00	28908560				

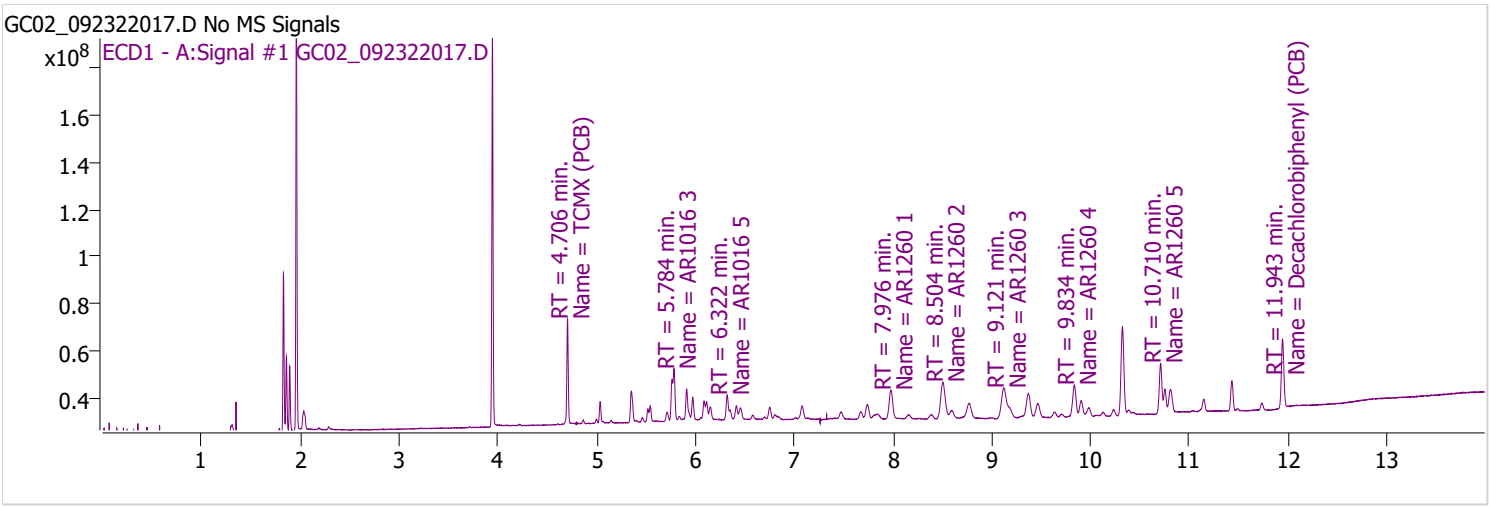


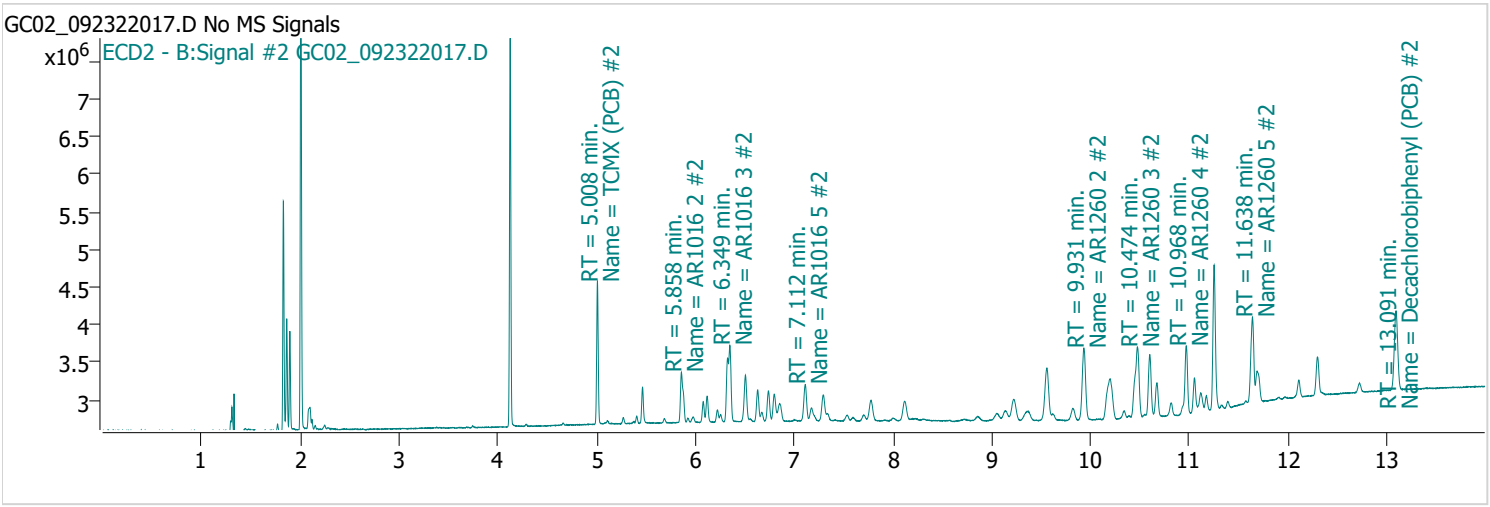
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.4551	13.09	0.00	1500615				



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			



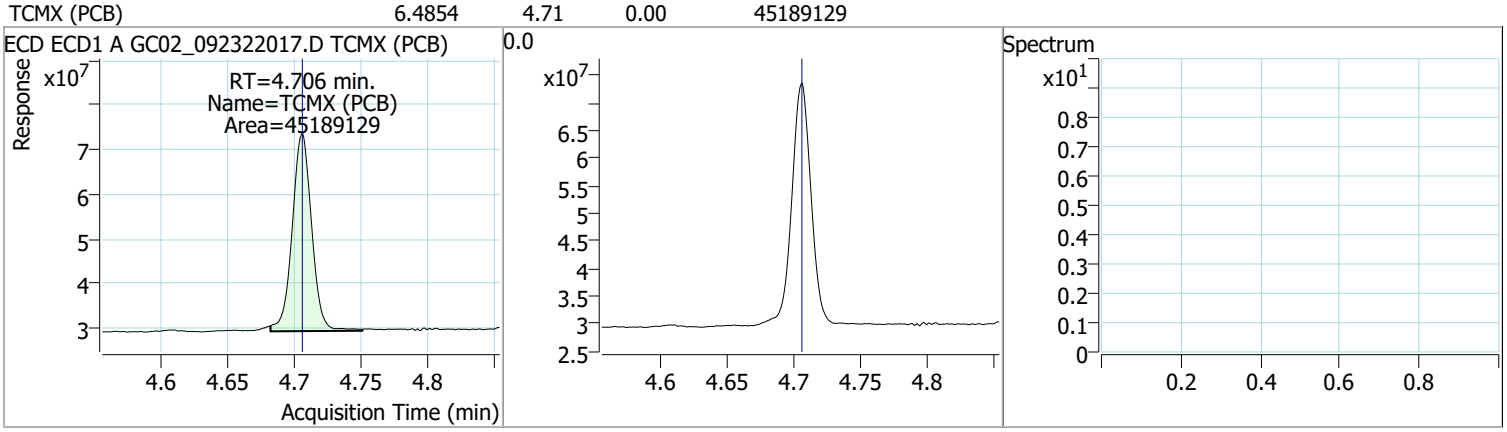


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	143606425.216	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	4862511.409	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	45189129.199	6.4854	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

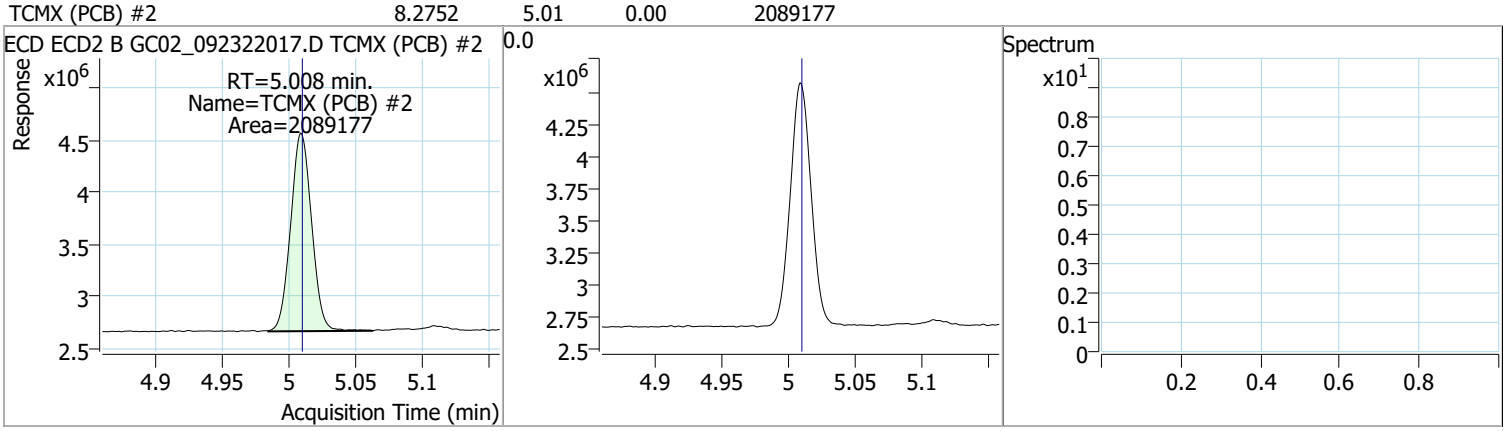
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.036	0.0	10133929.675	96.8169	ng/ml		100
T AR1016 2	5.352	0.0	21098881.851	93.4983	ng/ml		100
T AR1016 1 #2	5.465	0.0	612283.581	105.3279	ng/ml		100
T AR1016 3	5.784	0.0	29484161.694	84.6649	ng/ml	m	100
T AR1016 2 #2	5.858	0.0	1326903.051	108.5989	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

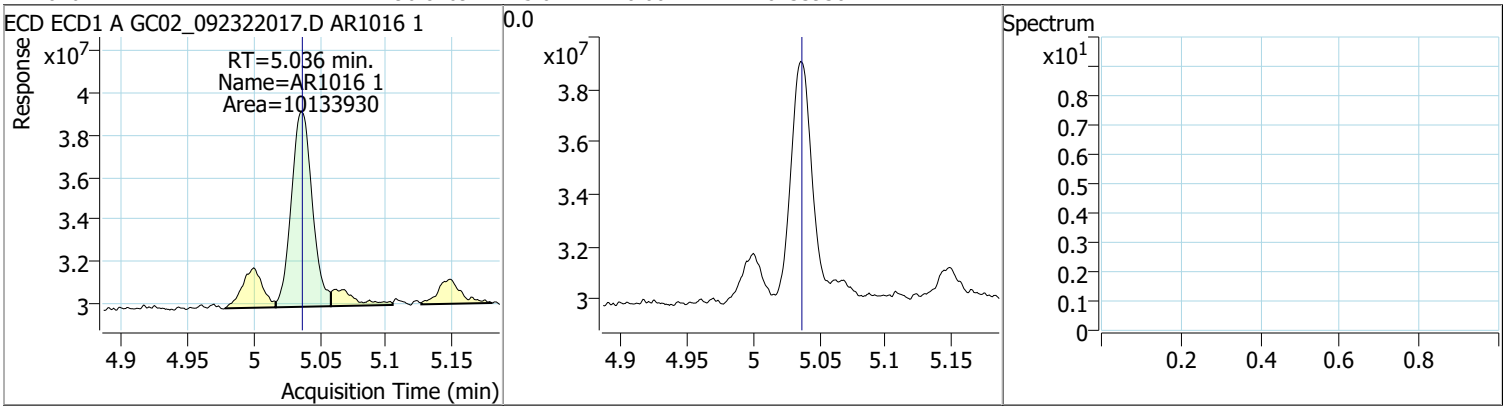
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	6.4854	4.71	0.00	45189129				



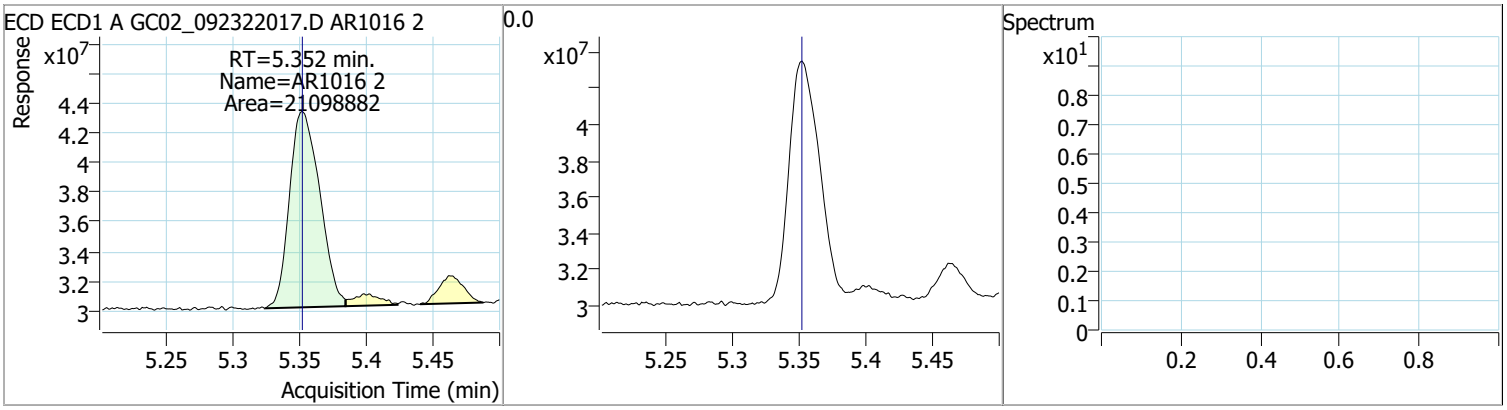
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.2752	5.01	0.00	2089177				



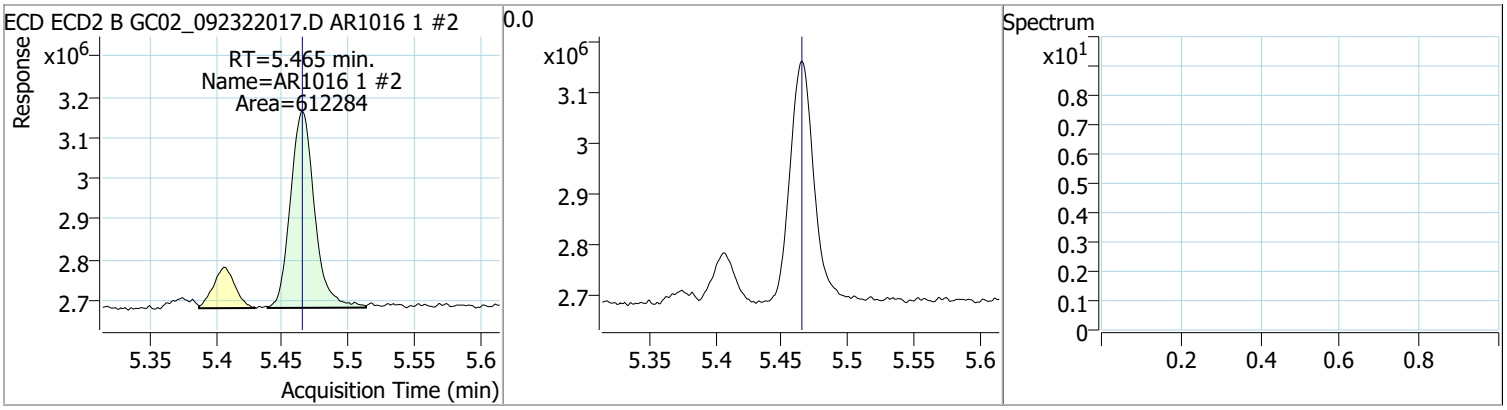
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	96.8169	5.04	0.00	10133930				



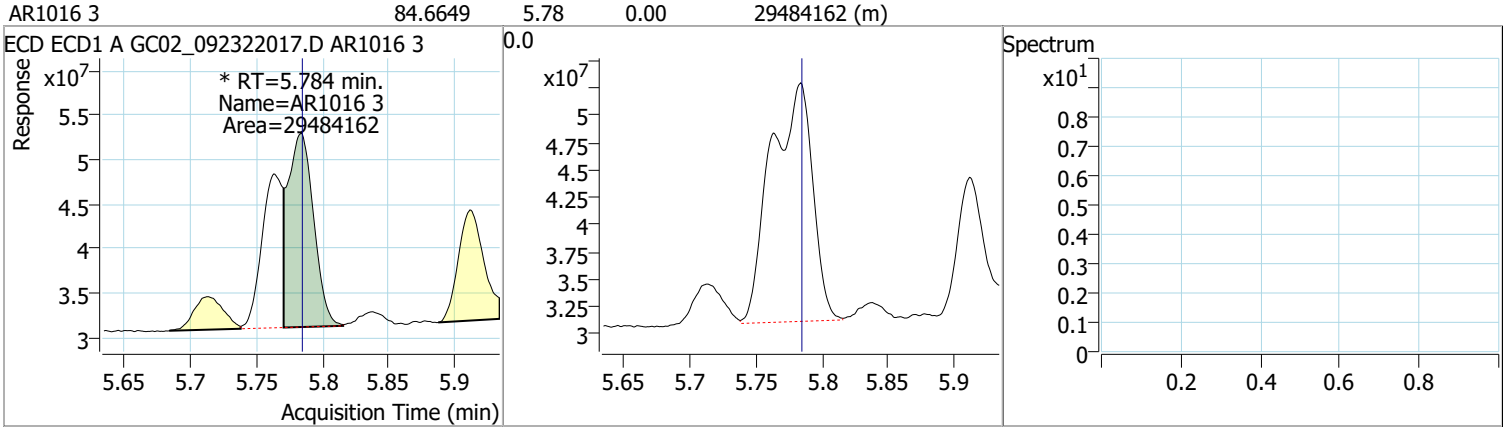
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	93.4983	5.35	0.00	21098882				



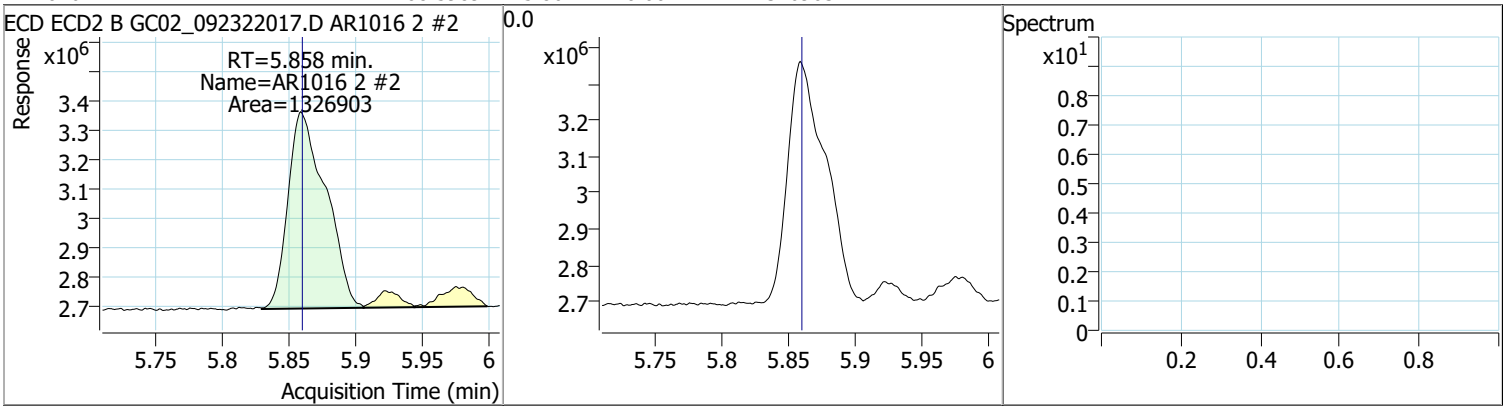
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	105.3279	5.46	0.00	612284				



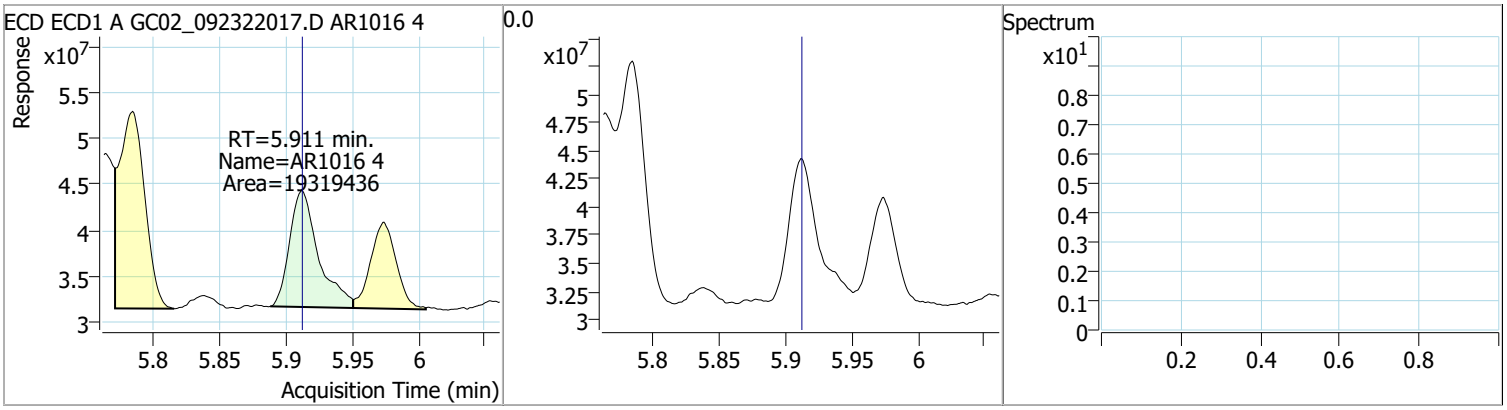
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	84.6649	5.78	0.00	29484162 (m)				



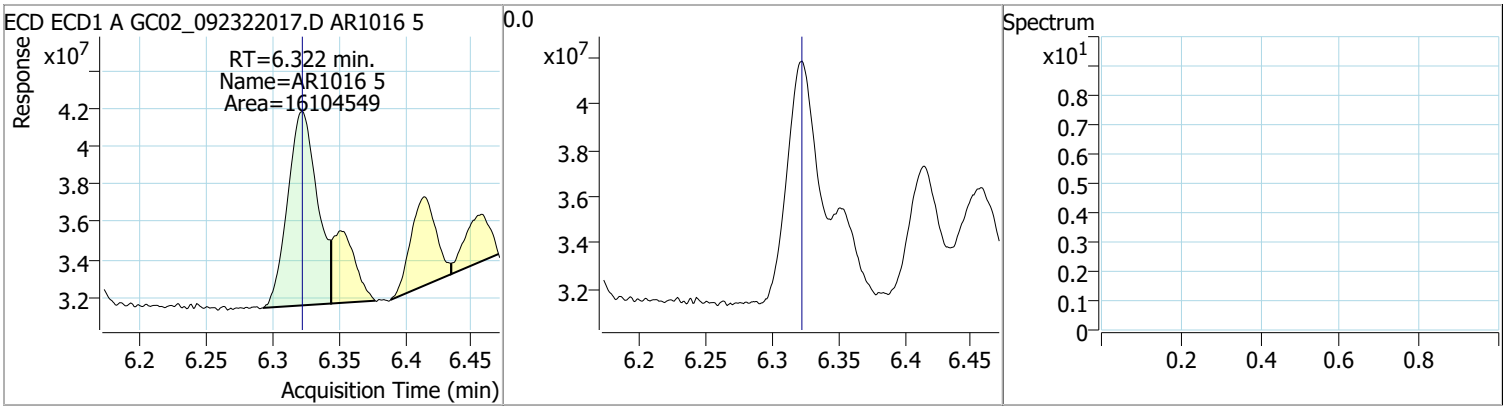
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	108.5989	5.86	0.00	1326903				



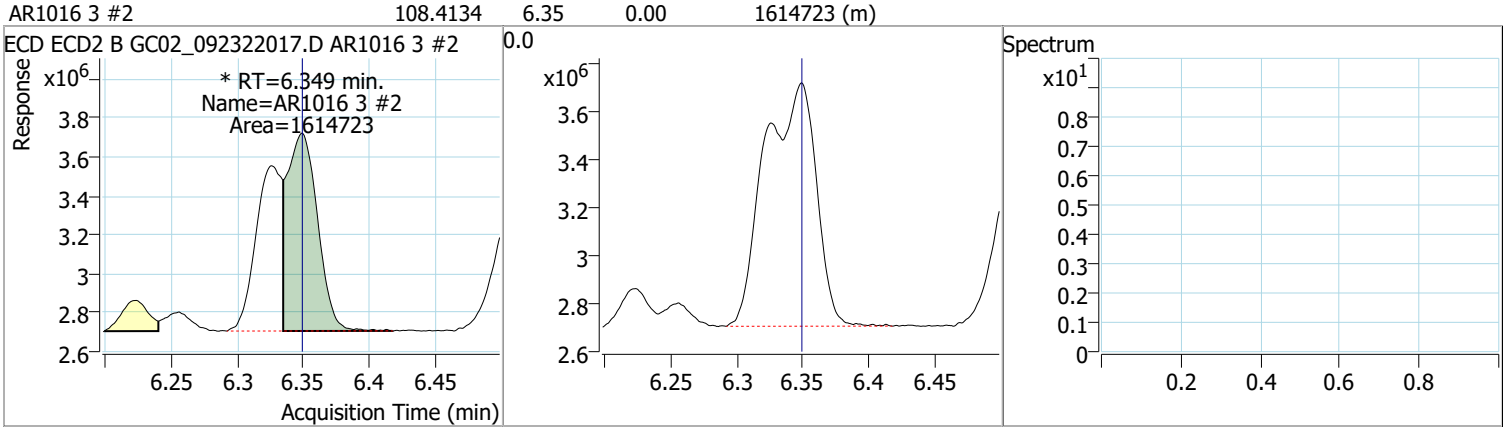
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	83.9645	5.91	0.00	19319436				



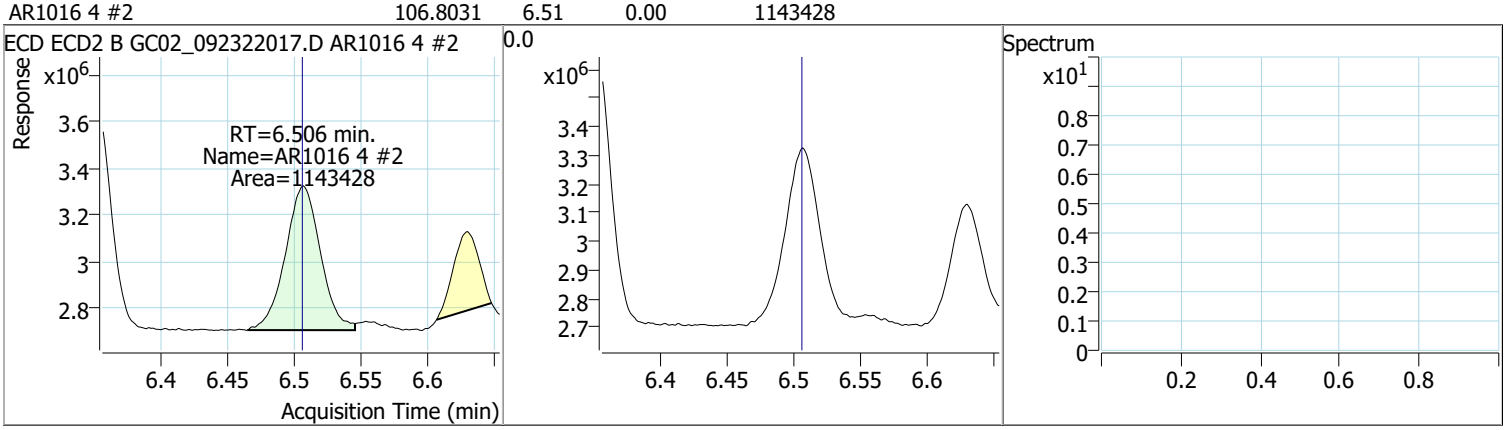
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	86.9753	6.32	0.00	16104549				



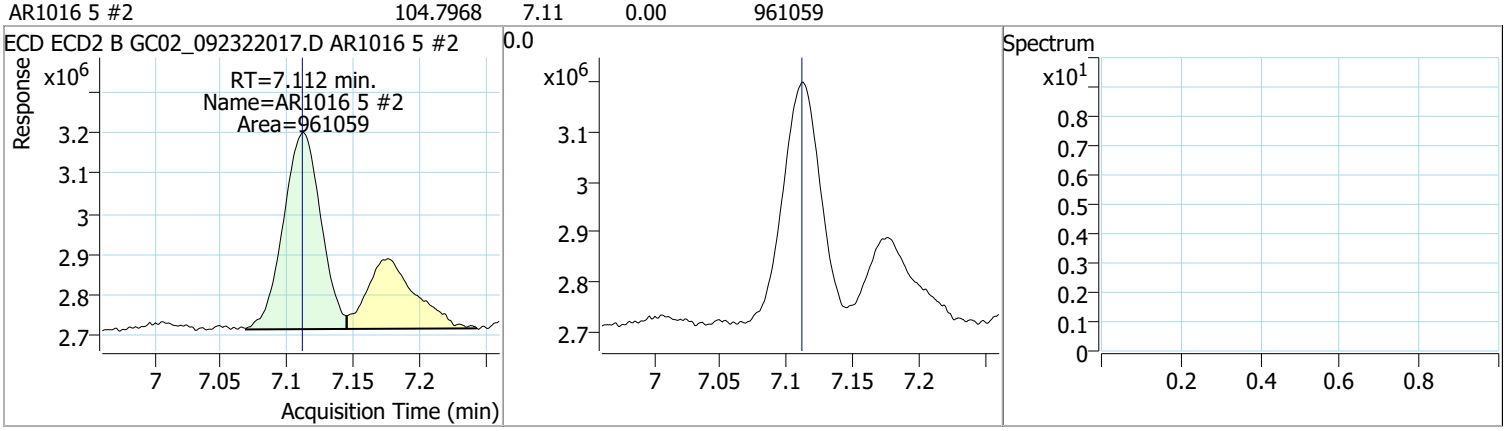
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	108.4134	6.35	0.00	1614723 (m)				



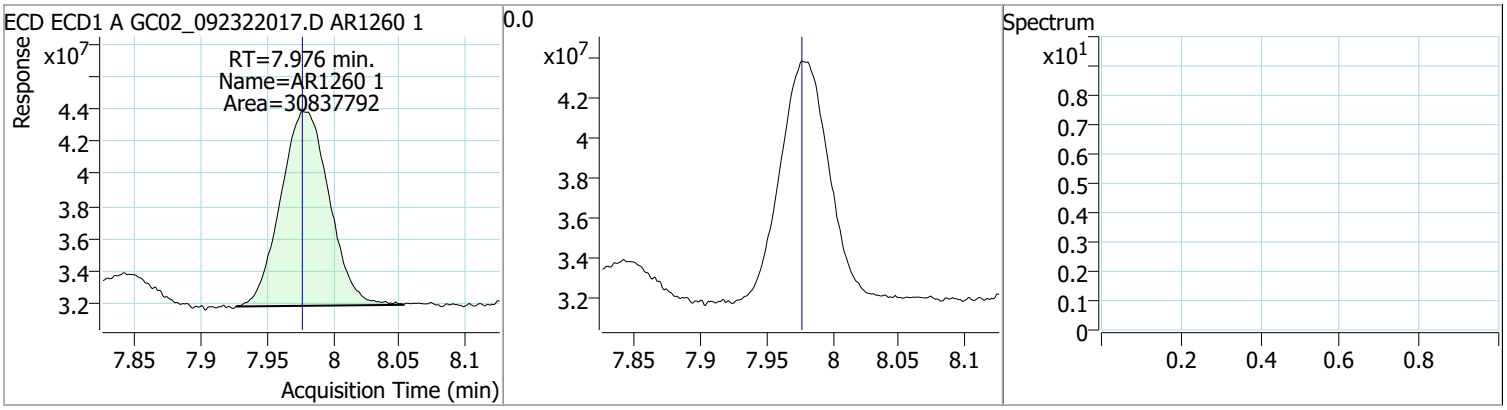
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	106.8031	6.51	0.00	1143428				



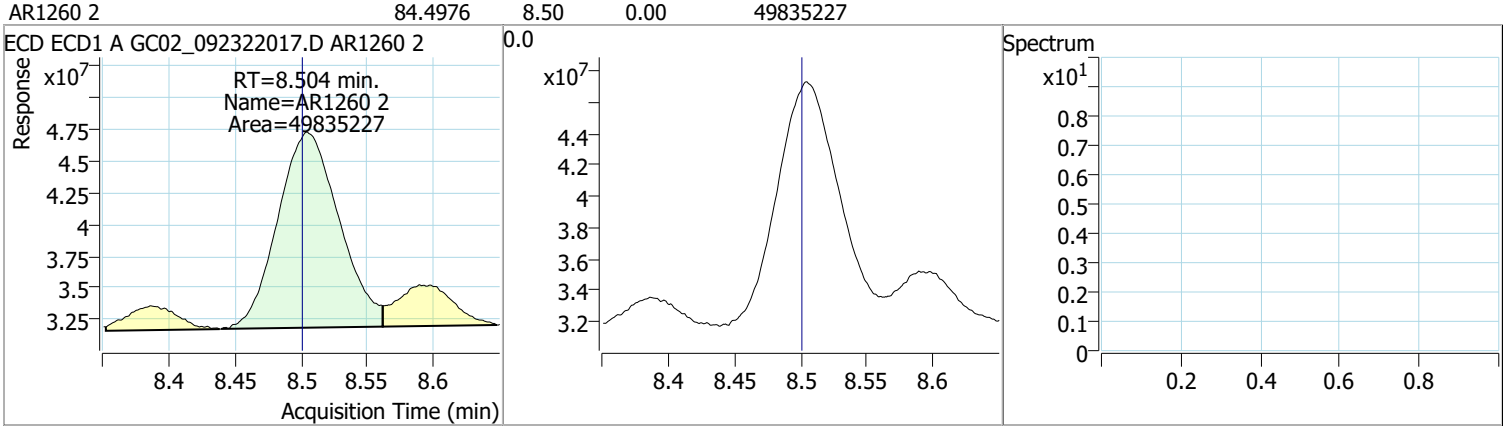
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	104.7968	7.11	0.00	961059				



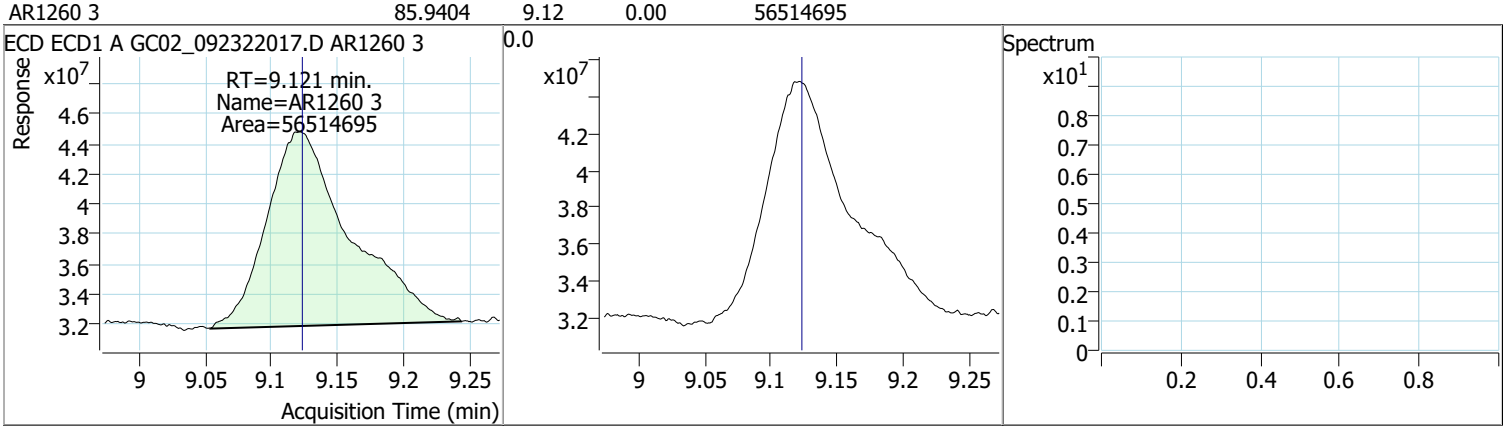
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	84.7321	7.98	0.00	30837792				



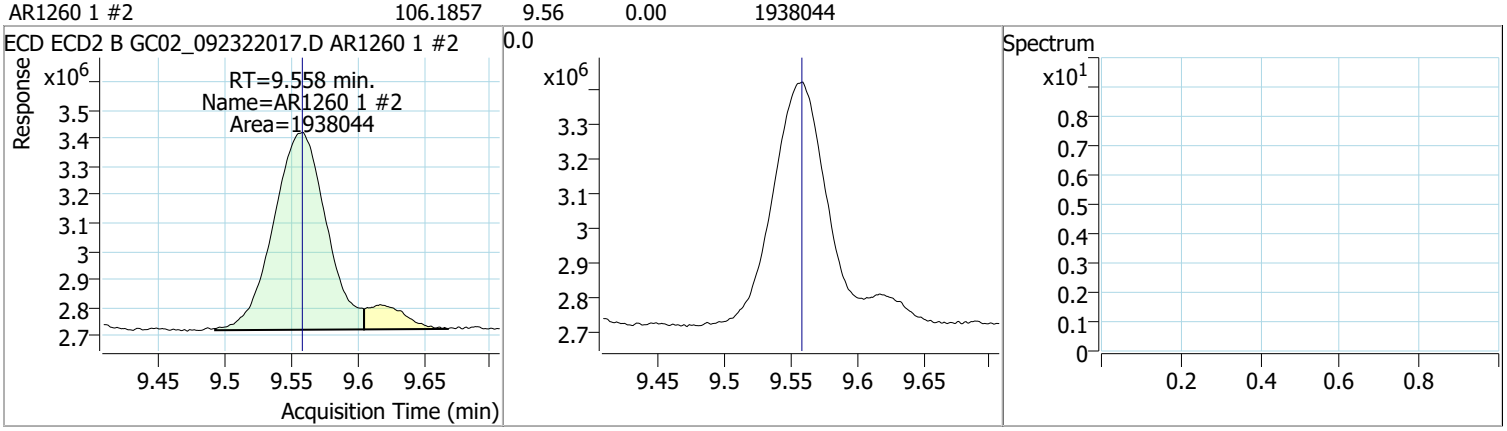
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	84.4976	8.50	0.00	49835227				



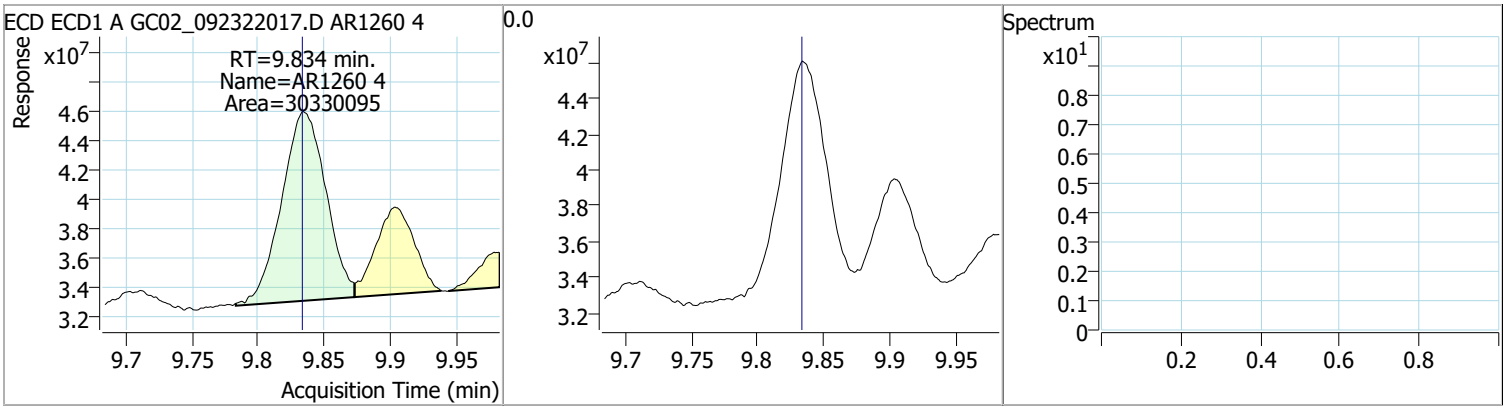
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	85.9404	9.12	0.00	56514695				



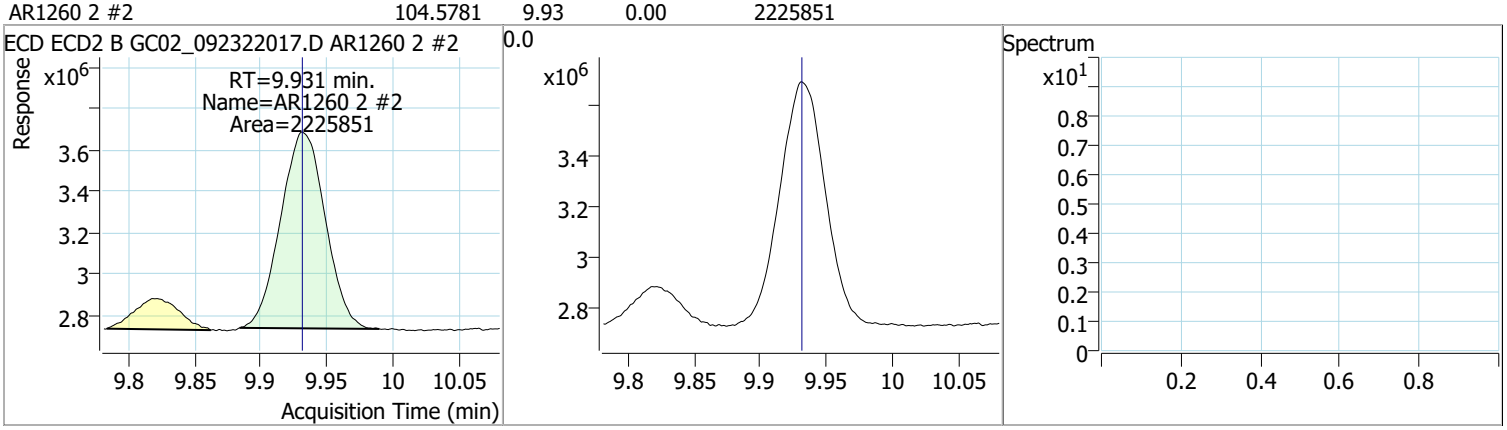
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	106.1857	9.56	0.00	1938044				



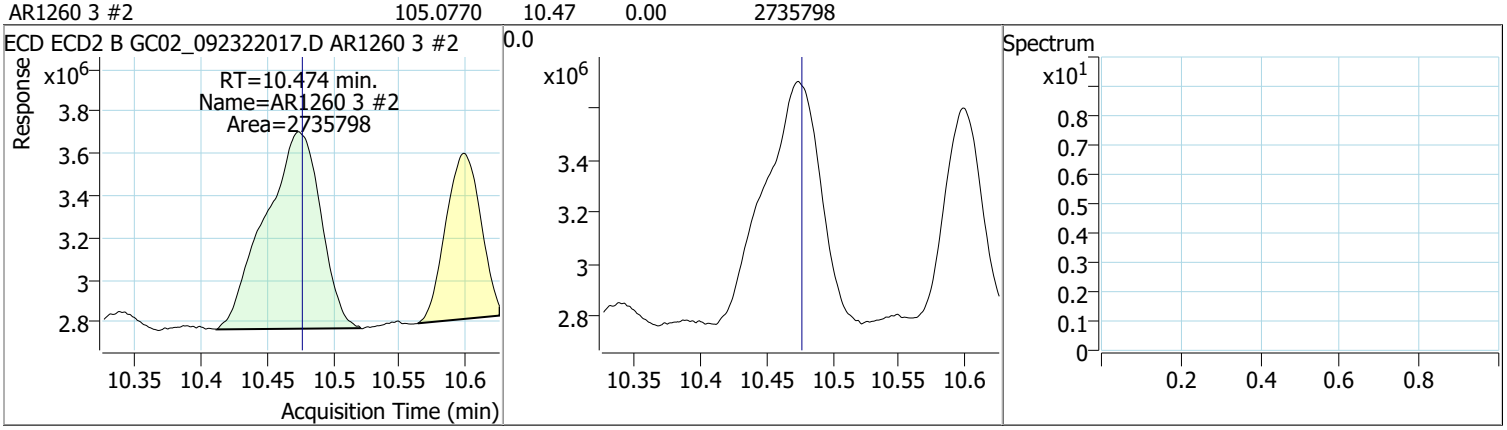
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	82.4760	9.83	0.00	30330095				



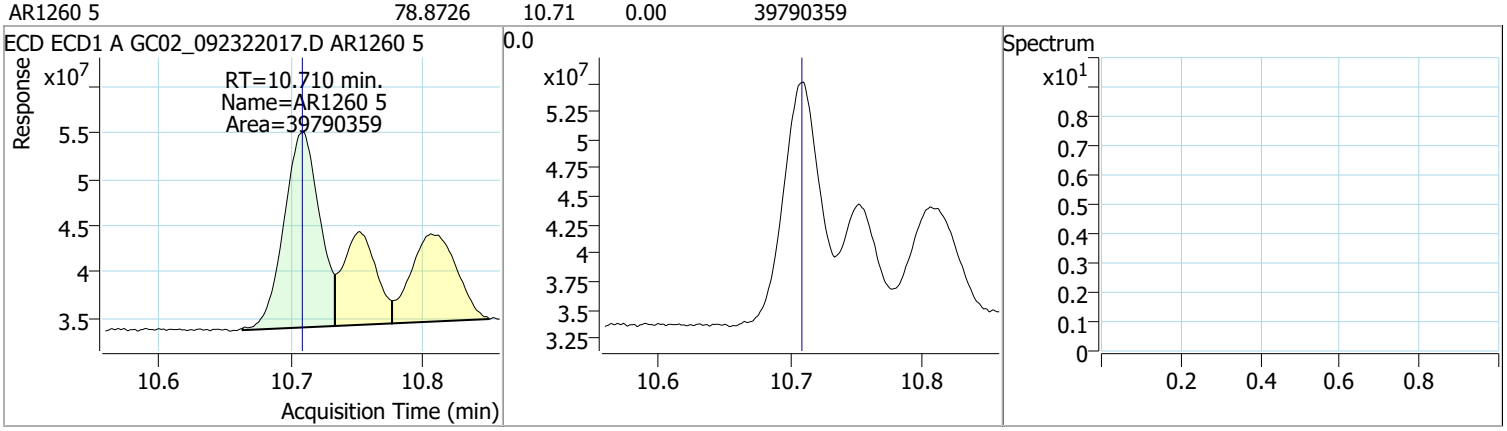
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	104.5781	9.93	0.00	2225851				



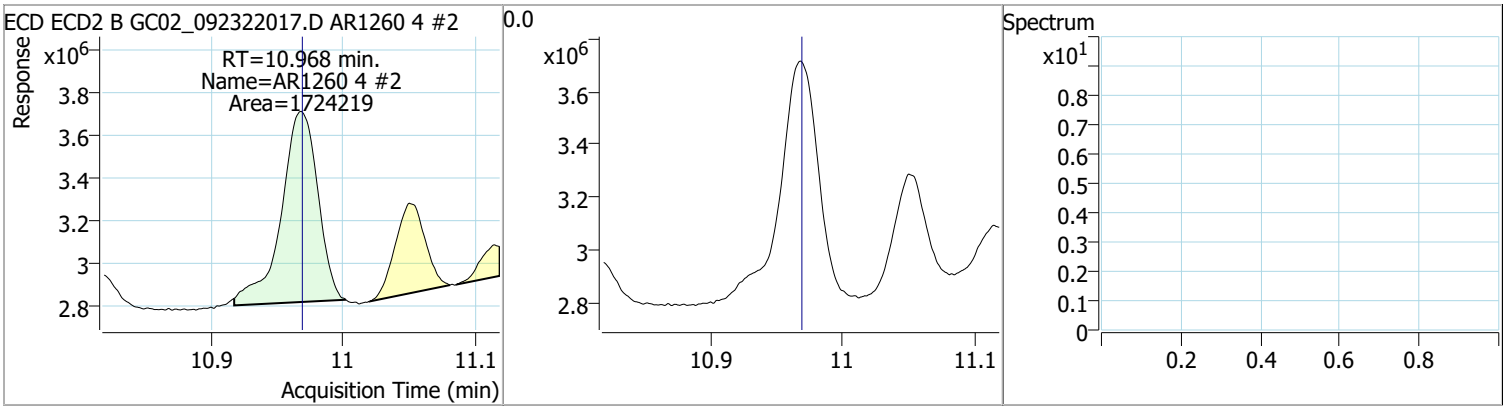
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	105.0770	10.47	0.00	2735798				



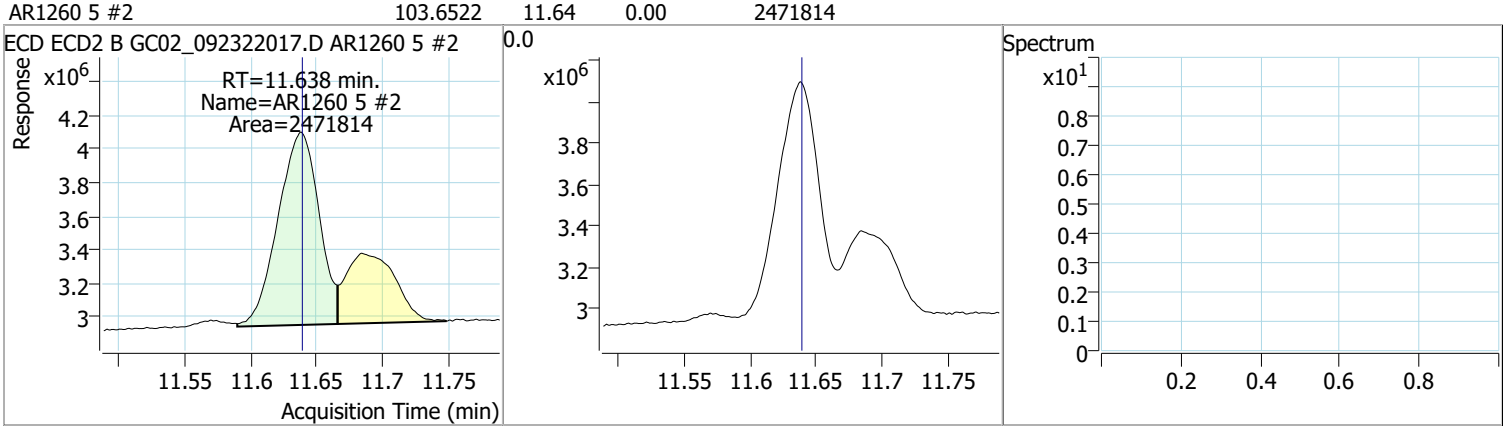
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	78.8726	10.71	0.00	39790359				



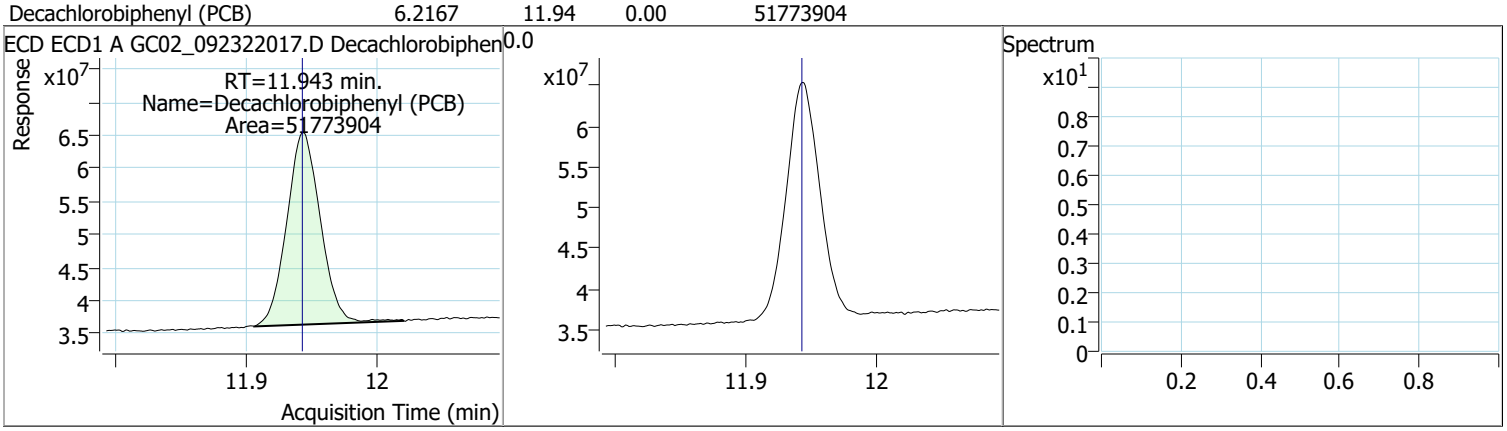
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	108.4969	10.97	0.00	1724219				



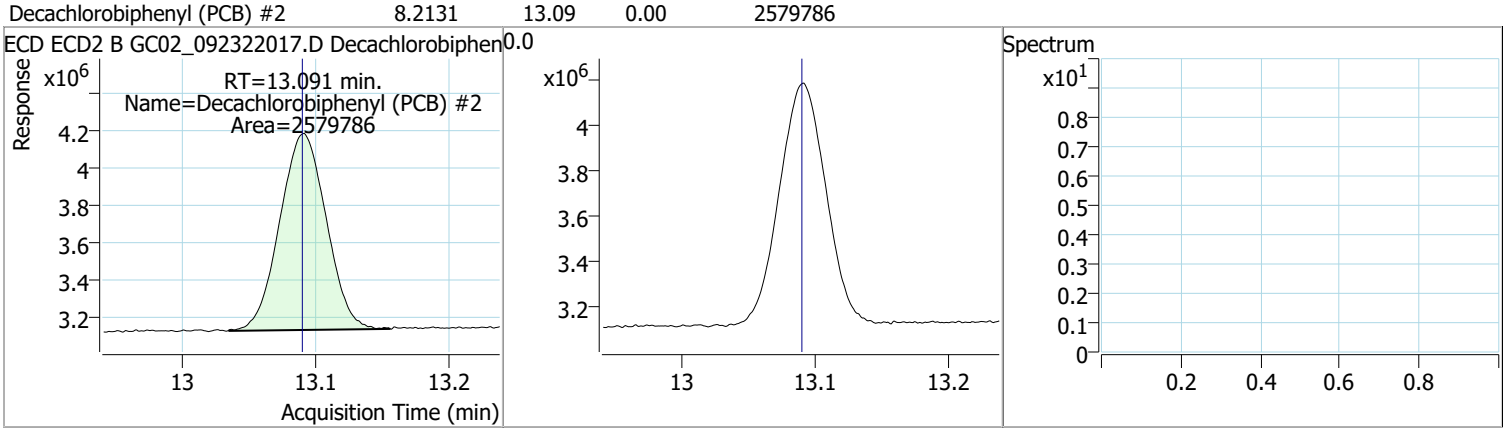
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	103.6522	11.64	0.00	2471814				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	6.2167	11.94	0.00	51773904				

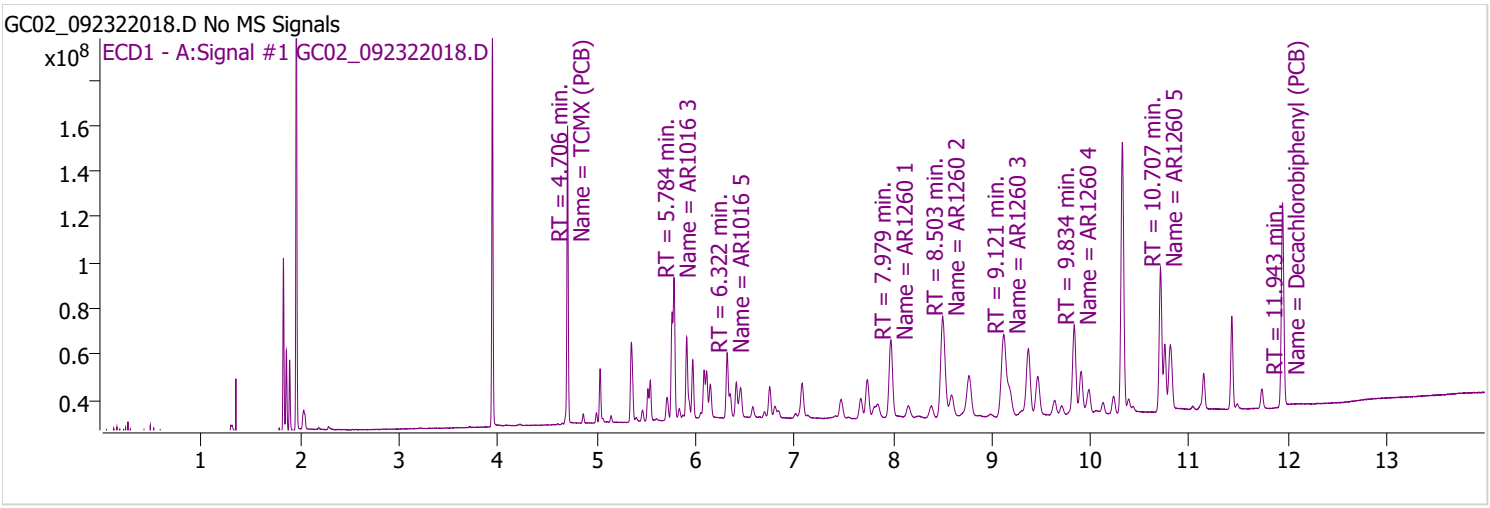


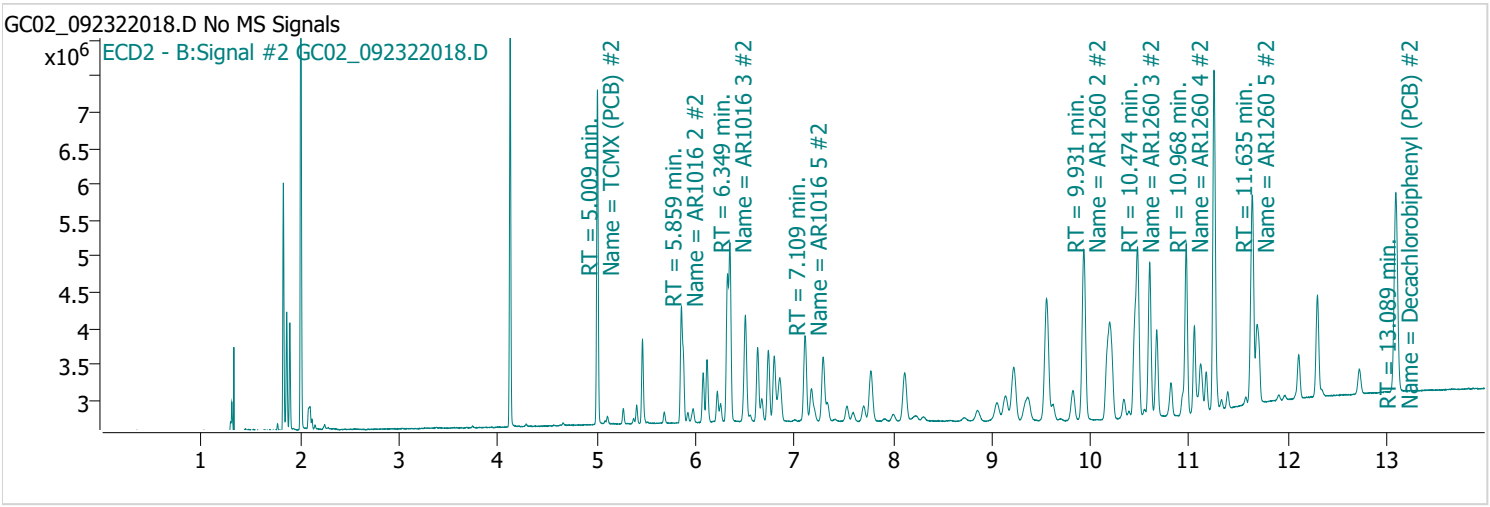
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	8.2131	13.09	0.00	2579786				



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
Ref Library			



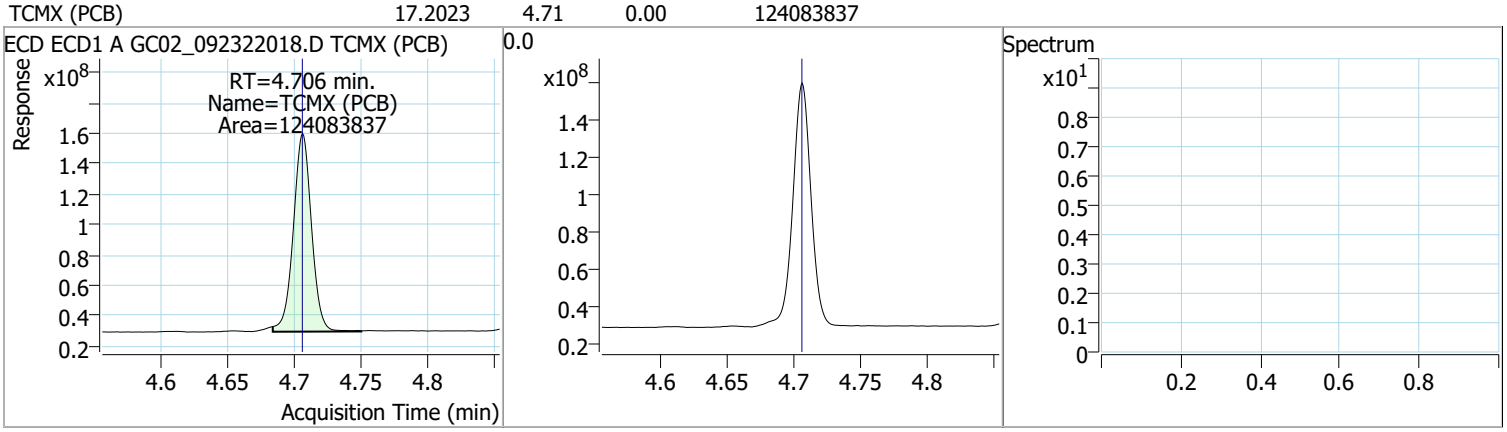


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	148664564.771	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	4998046.556	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.706	0.0	124083837.390	17.2023	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

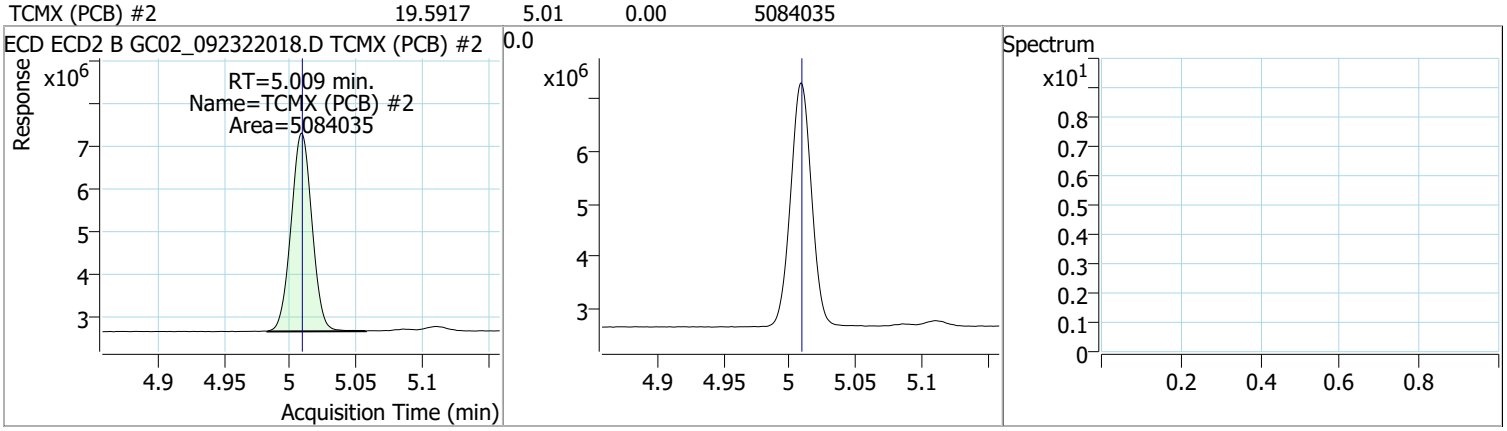
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.035	0.0	25773955.511	237.8598	ng/ml	m	100
T AR1016 2	5.352	0.0	54572061.254	233.6045	ng/ml		100
T AR1016 1 #2	5.464	0.0	1514928.922	253.5382	ng/ml		100
T AR1016 3	5.784	0.0	80287589.646	222.7047	ng/ml		100
T AR1016 2 #2	5.859	0.0	3234631.464	257.5559	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

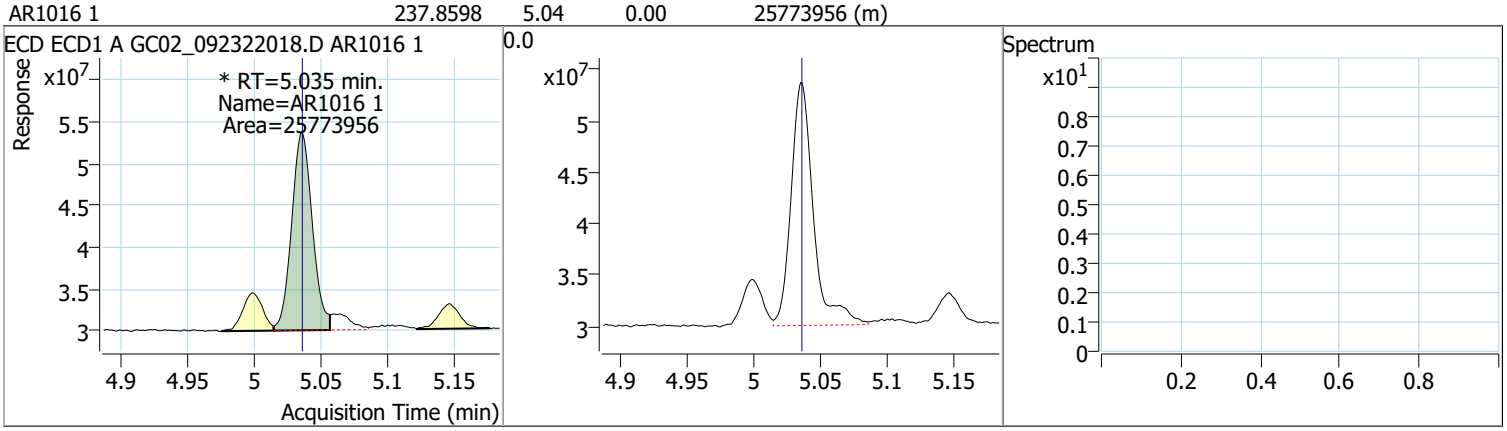
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	17.2023	4.71	0.00	124083837				



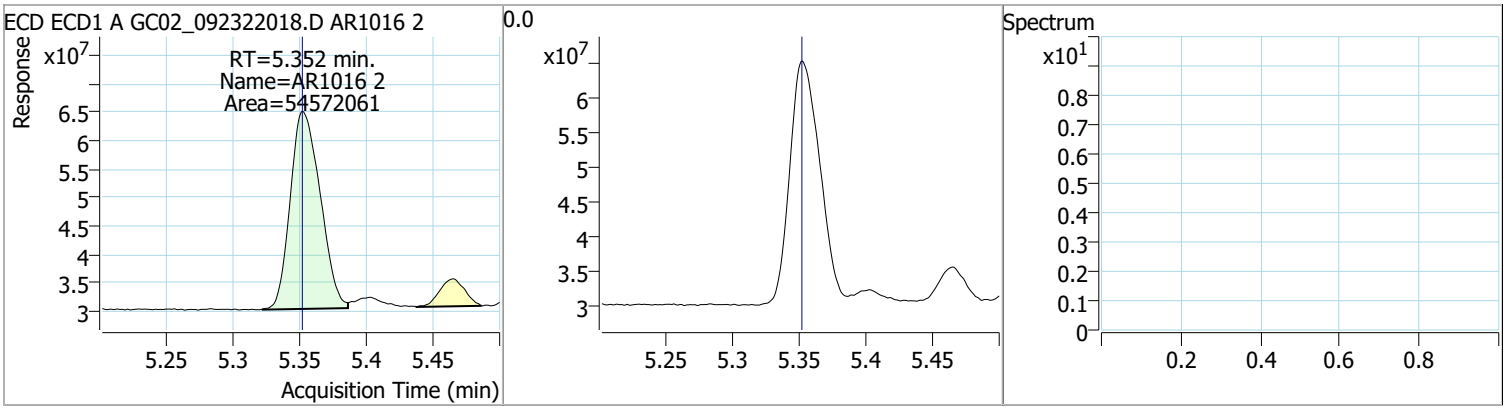
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.5917	5.01	0.00	5084035				



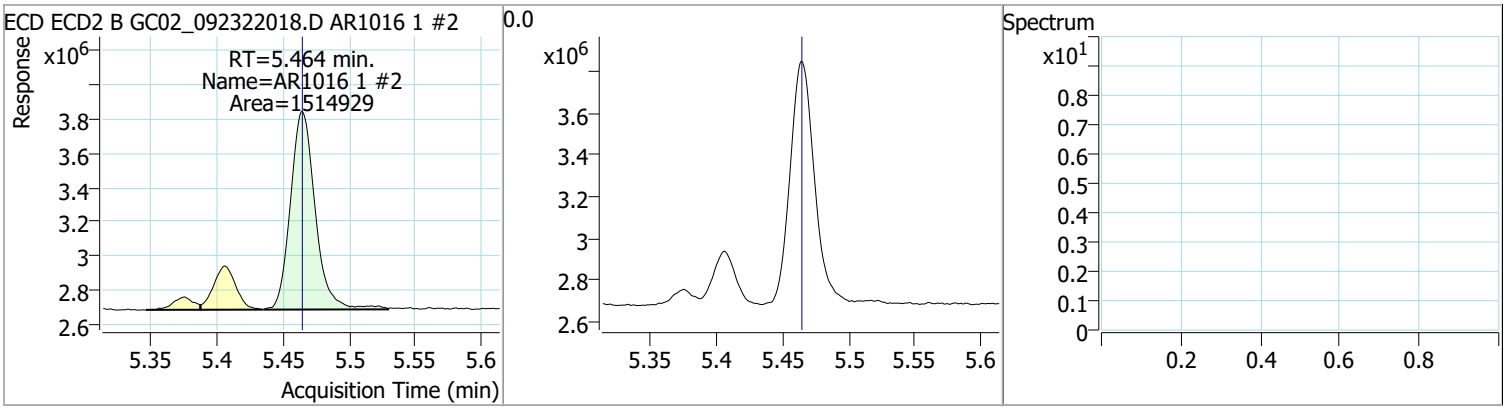
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	237.8598	5.04	0.00	25773956 (m)				



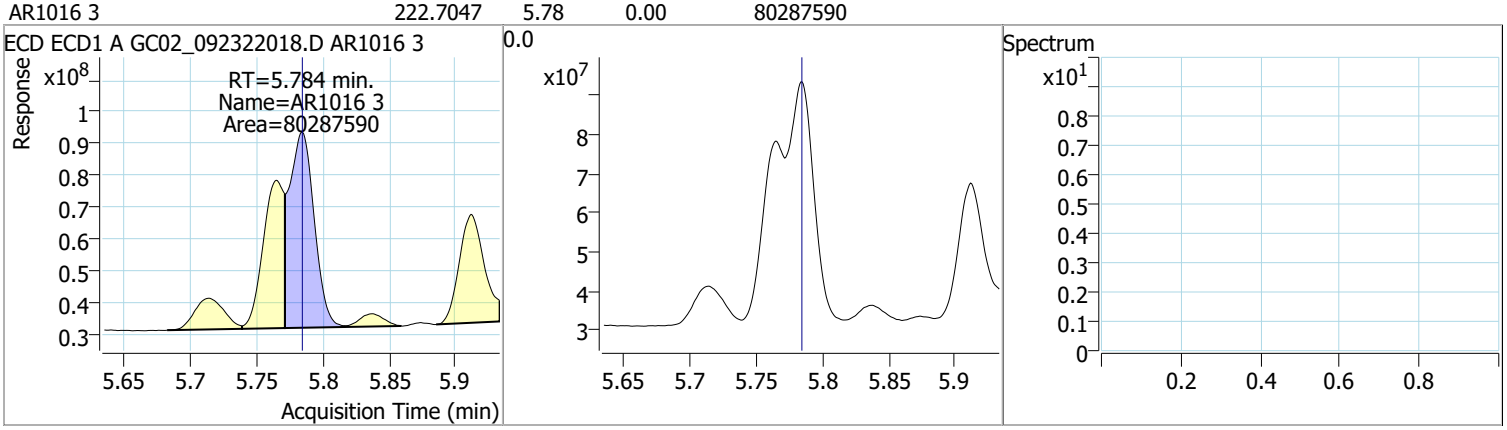
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	233.6045	5.35	0.00	54572061				



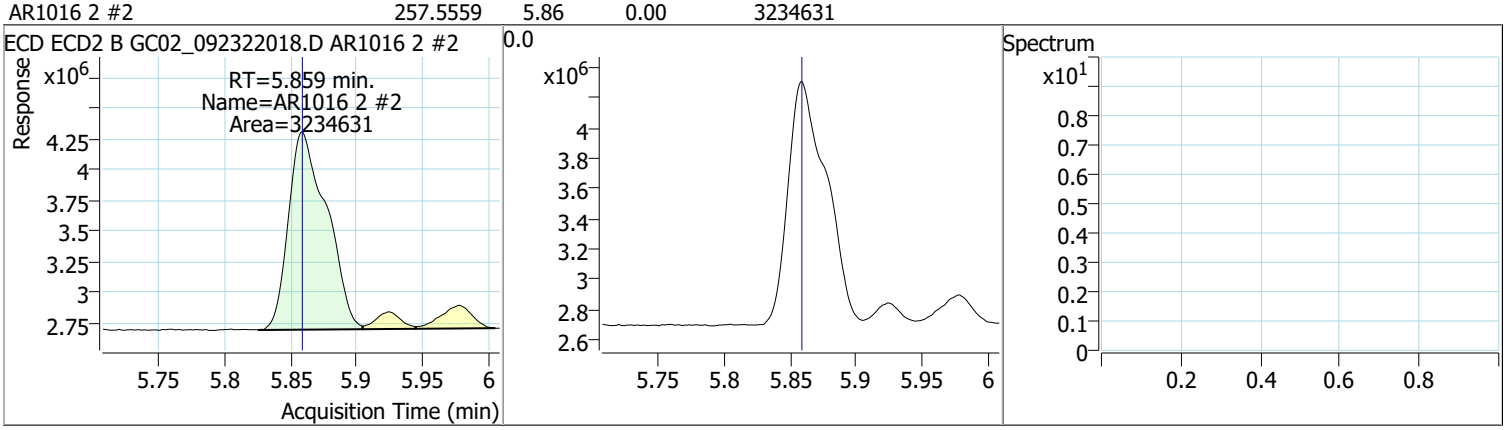
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	253.5382	5.46	0.00	1514929				



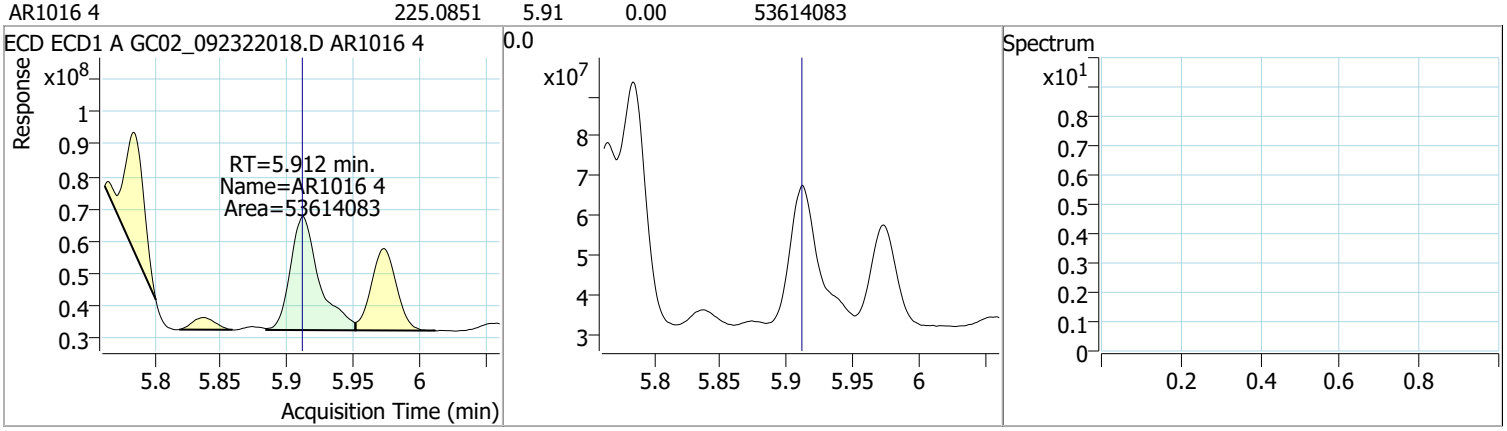
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	222.7047	5.78	0.00	80287590				



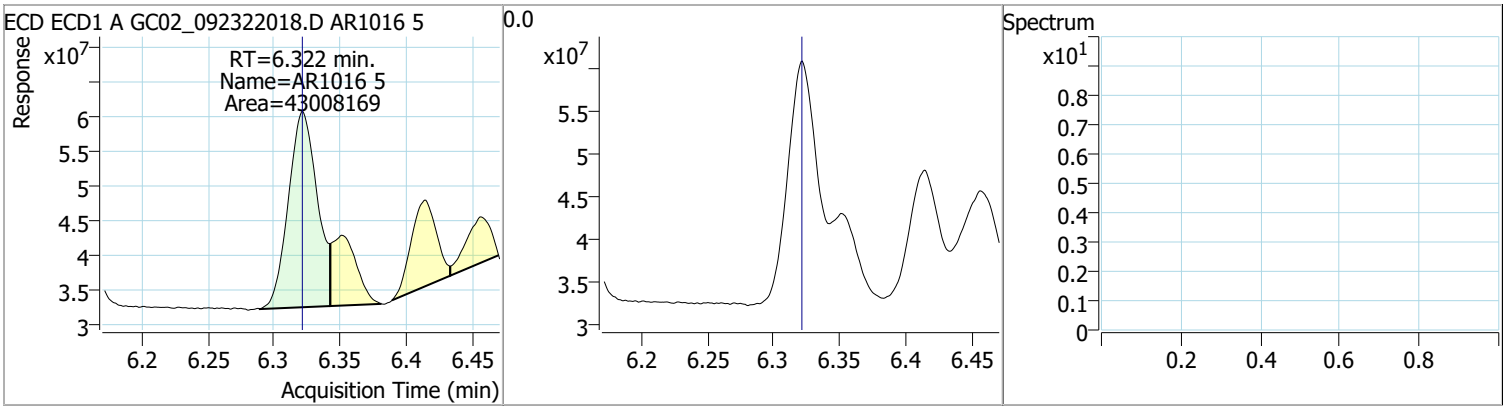
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	257.5559	5.86	0.00	3234631				



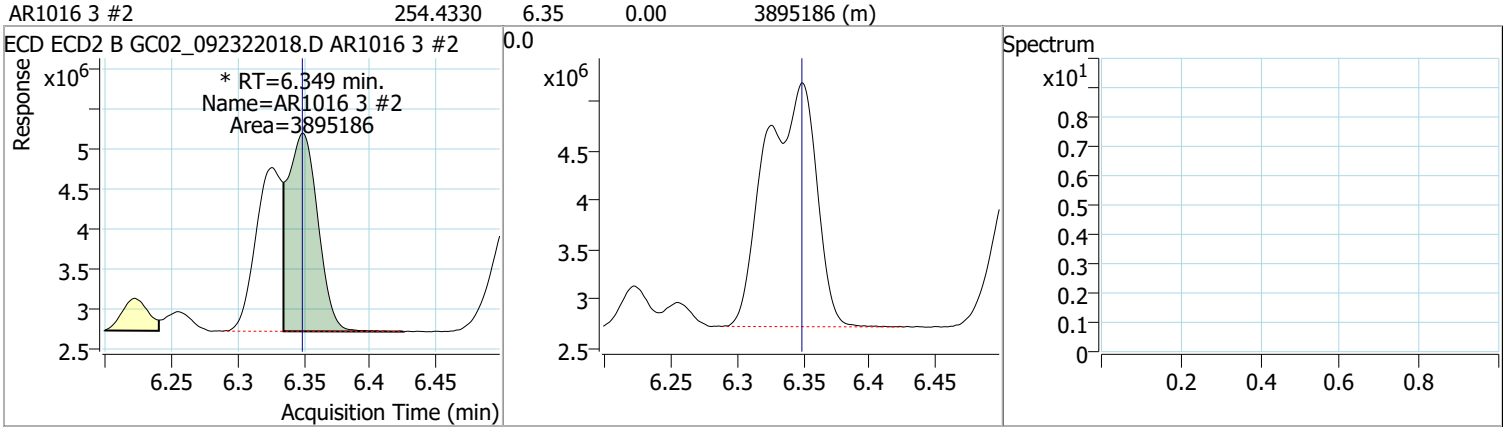
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	225.0851	5.91	0.00	53614083				



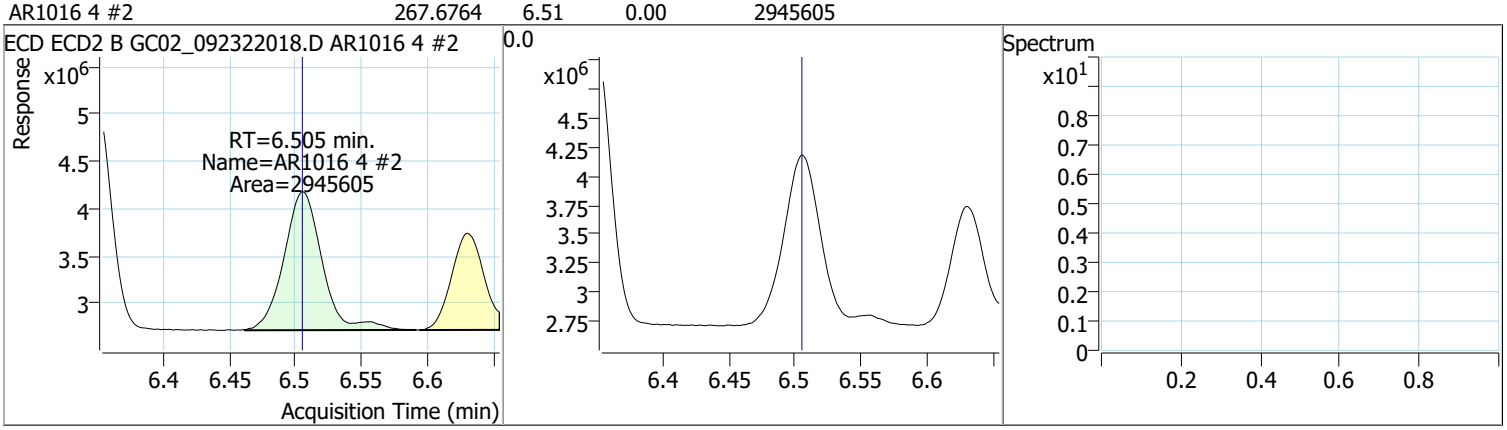
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	224.3700	6.32	0.00	43008169				



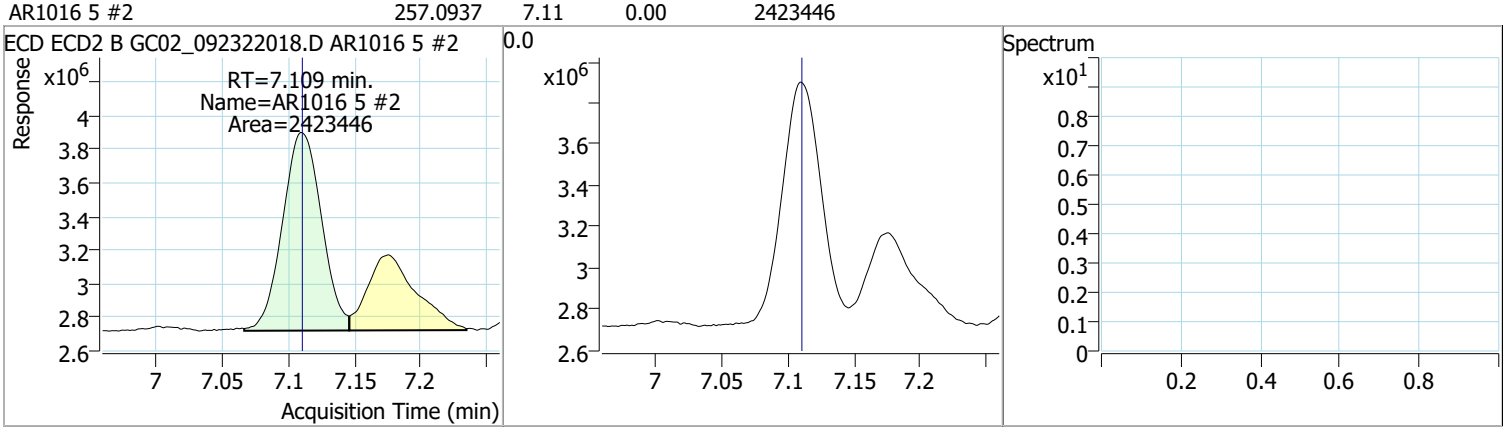
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	254.4330	6.35	0.00	3895186 (m)				



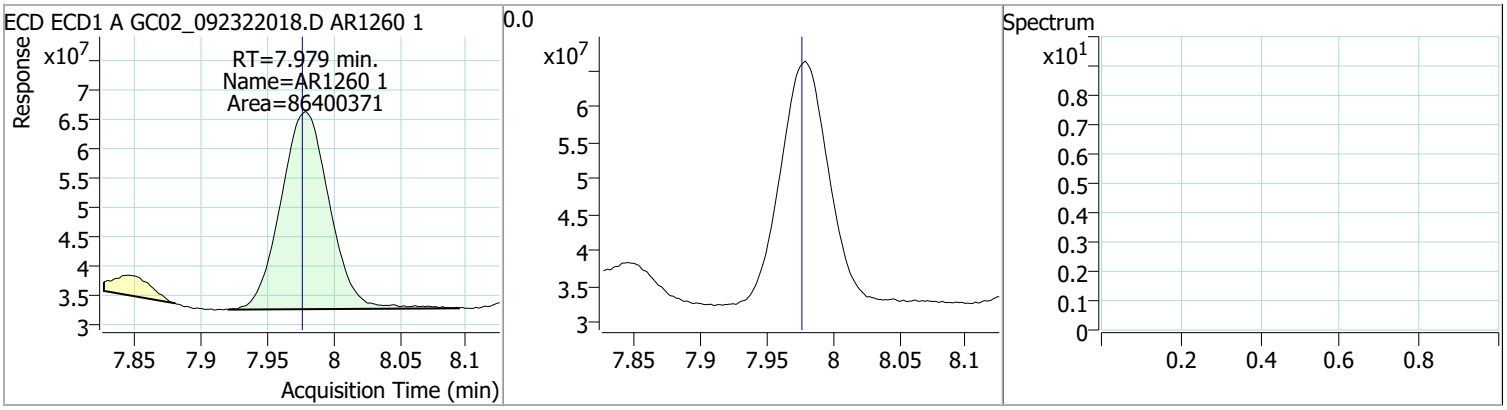
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	267.6764	6.51	0.00	2945605				



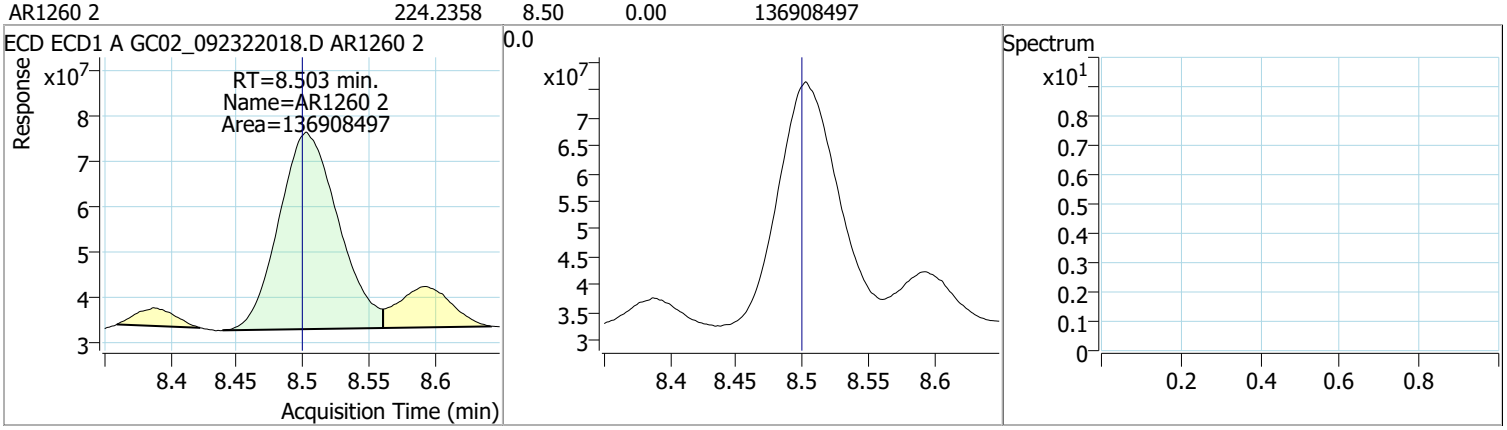
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	257.0937	7.11	0.00	2423446				



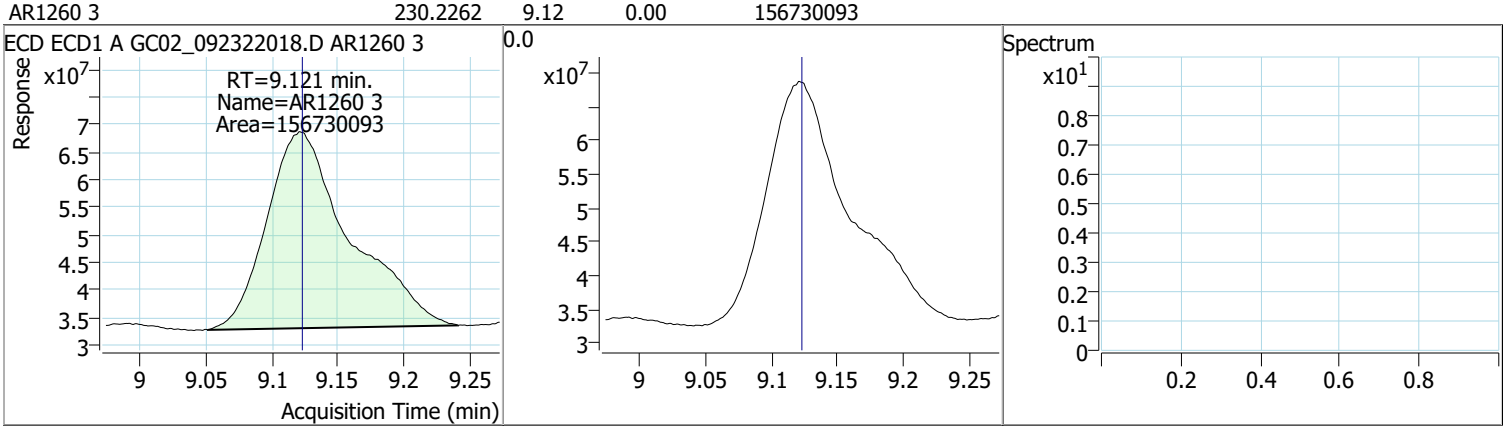
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	229.3225	7.98	0.00	86400371				



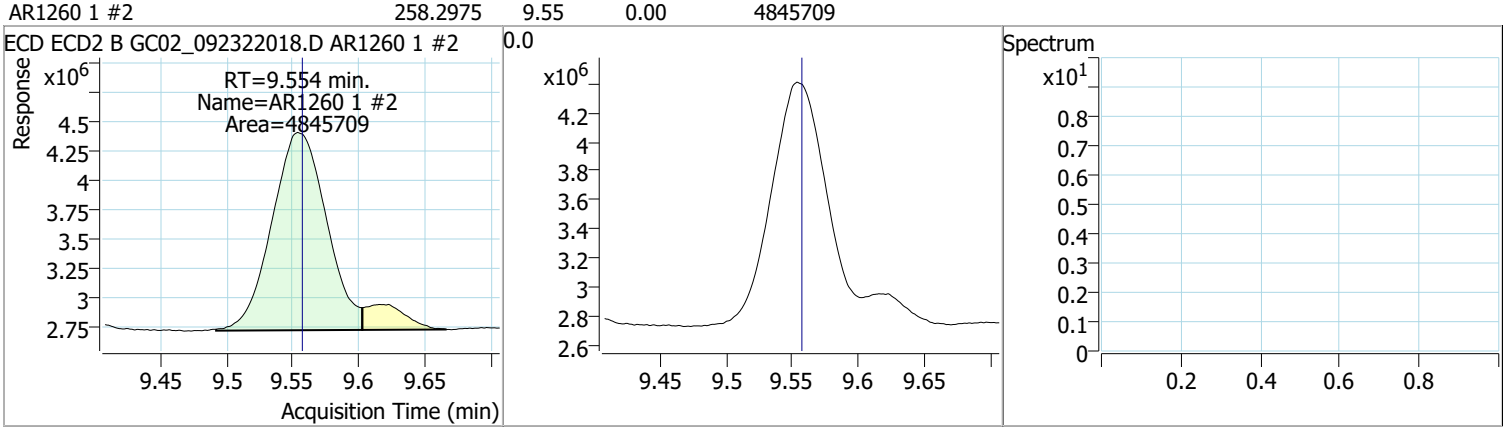
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	224.2358	8.50	0.00	136908497				



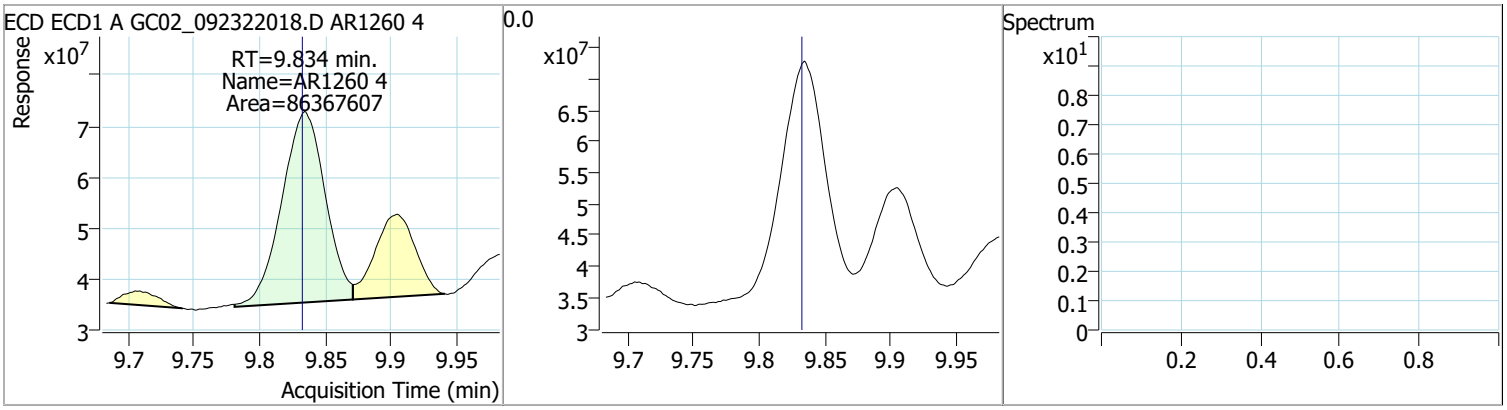
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	230.2262	9.12	0.00	156730093				



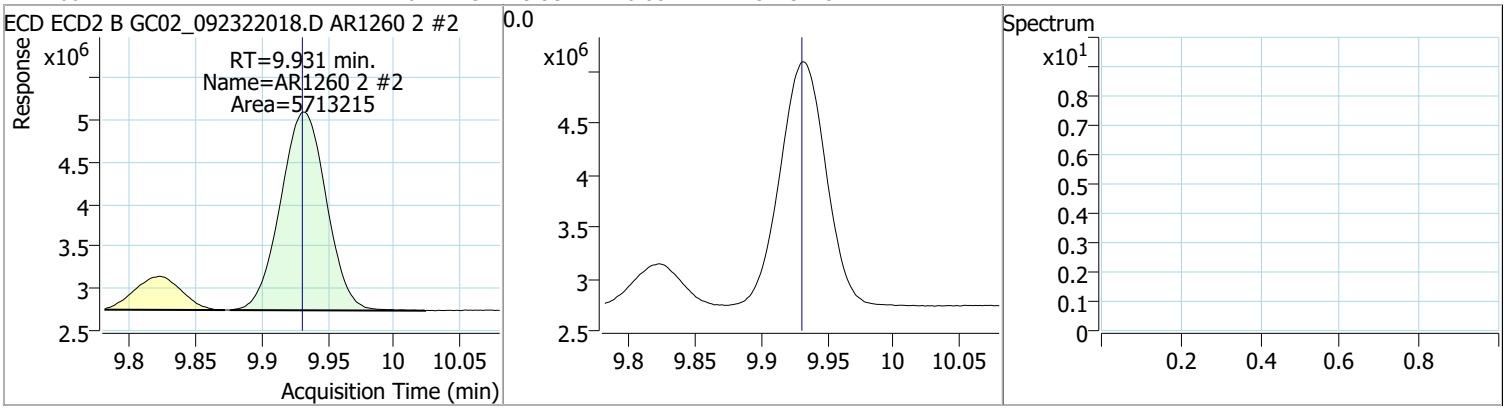
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	258.2975	9.55	0.00	4845709				



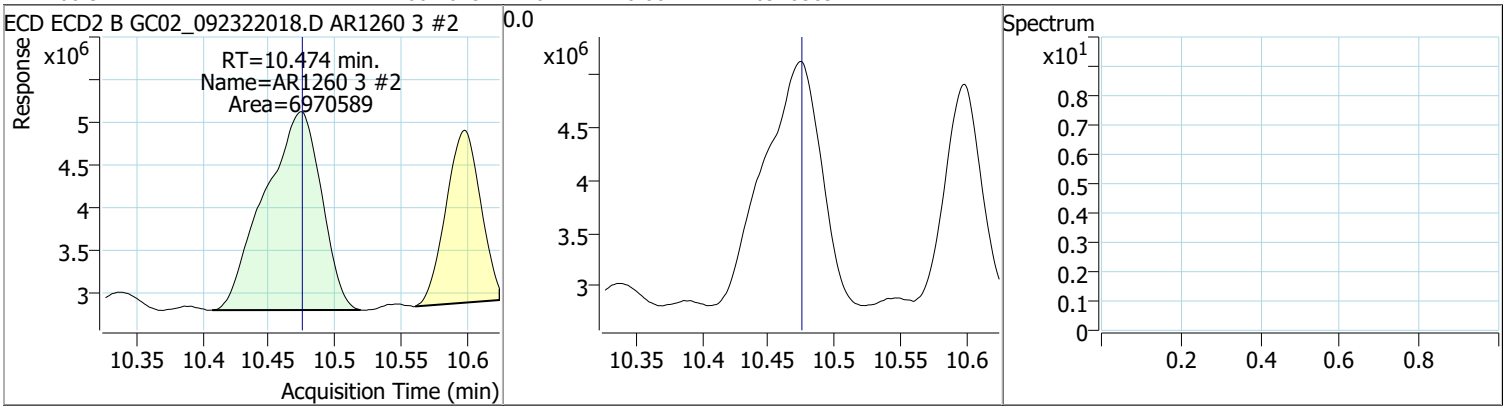
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	226.8669	9.83	0.00	86367607				



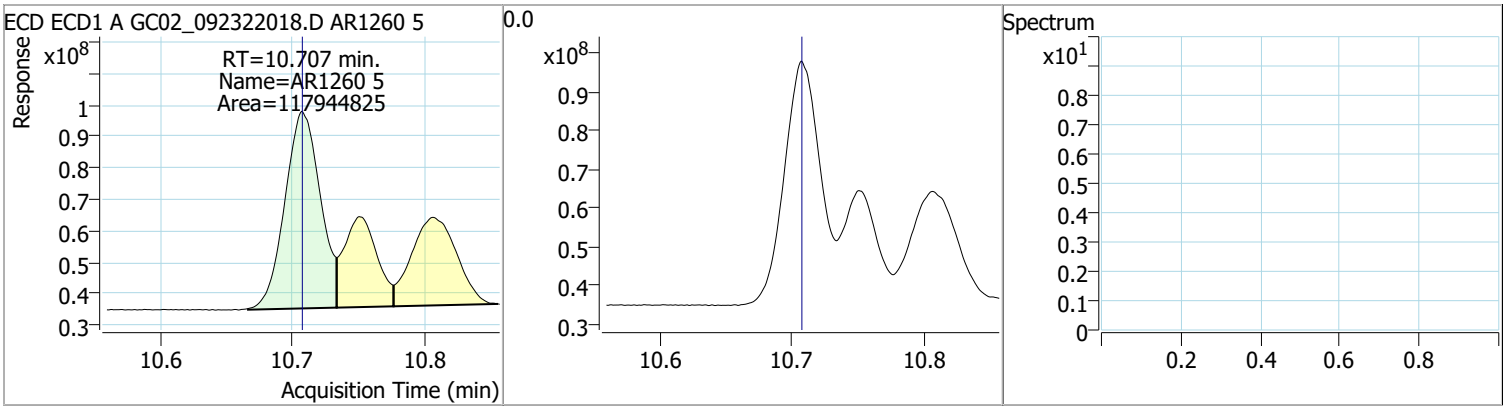
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	261.1473	9.93	0.00	5713215				



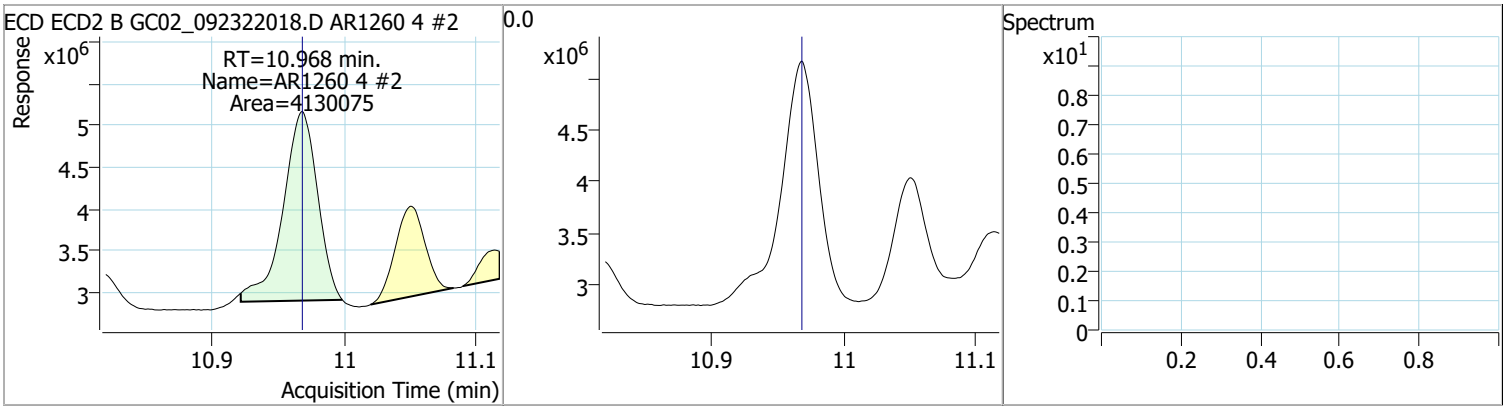
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	260.4675	10.47	0.00	6970589				



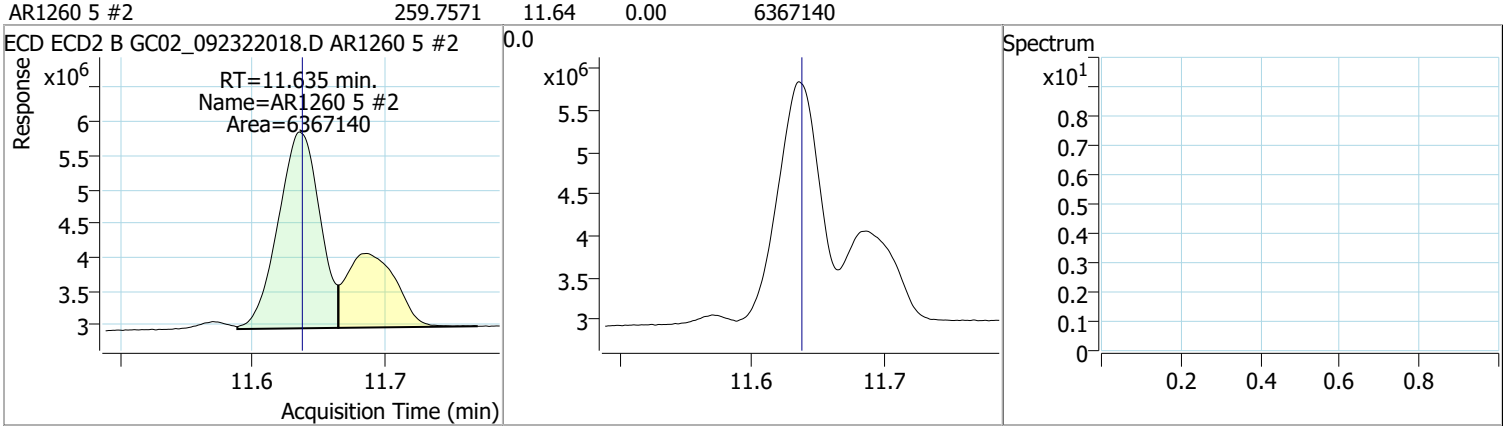
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	225.8363	10.71	0.00	117944825				



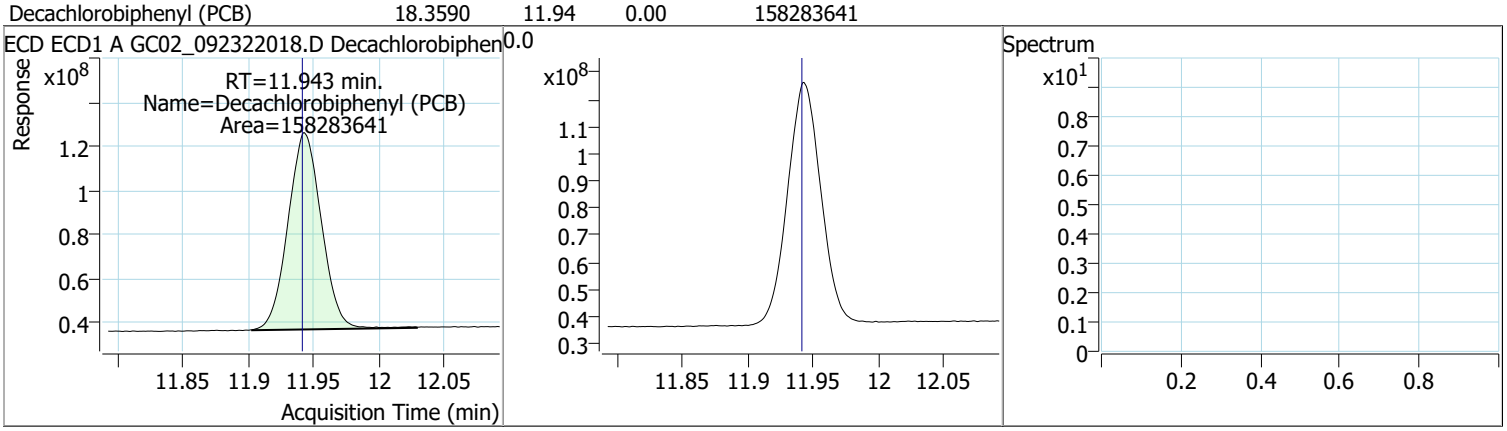
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	252.8385	10.97	0.00	4130075				



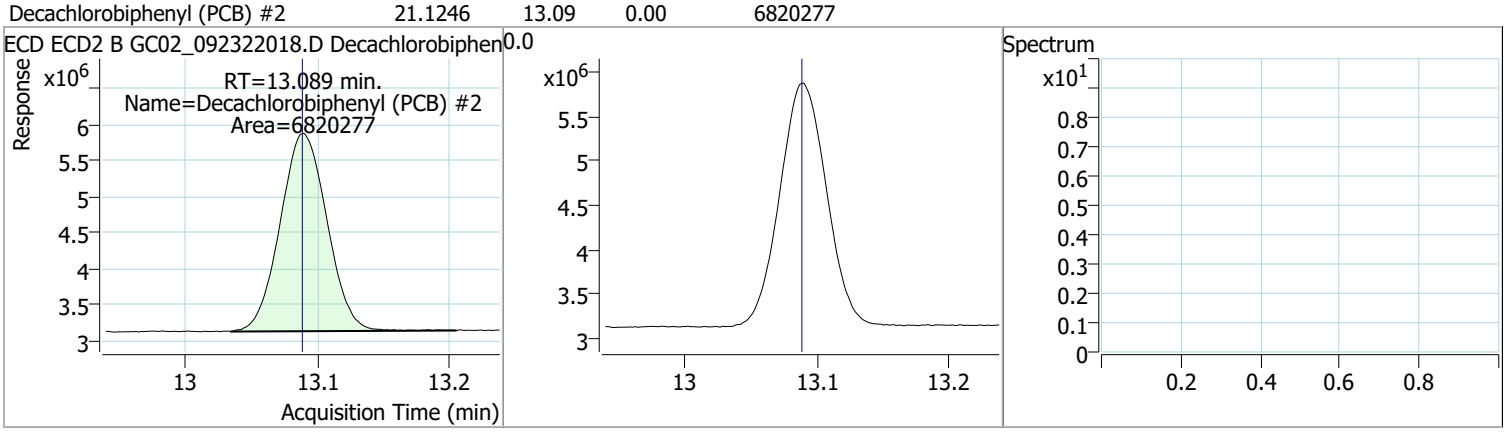
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	259.7571	11.64	0.00	6367140				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.3590	11.94	0.00	158283641				

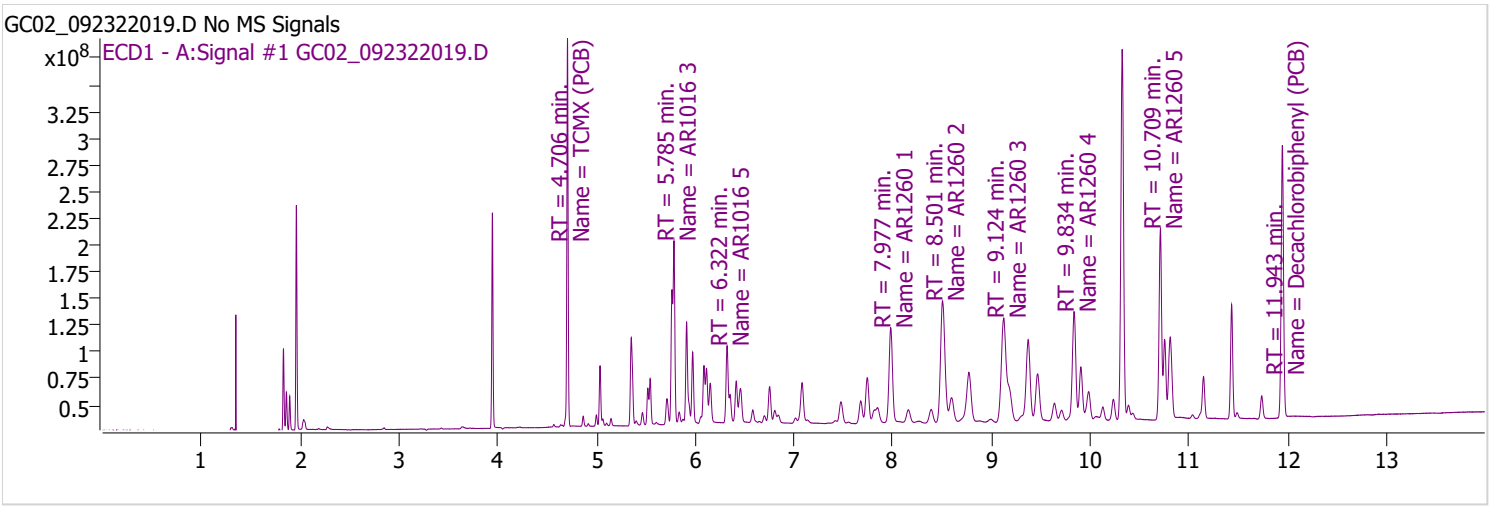


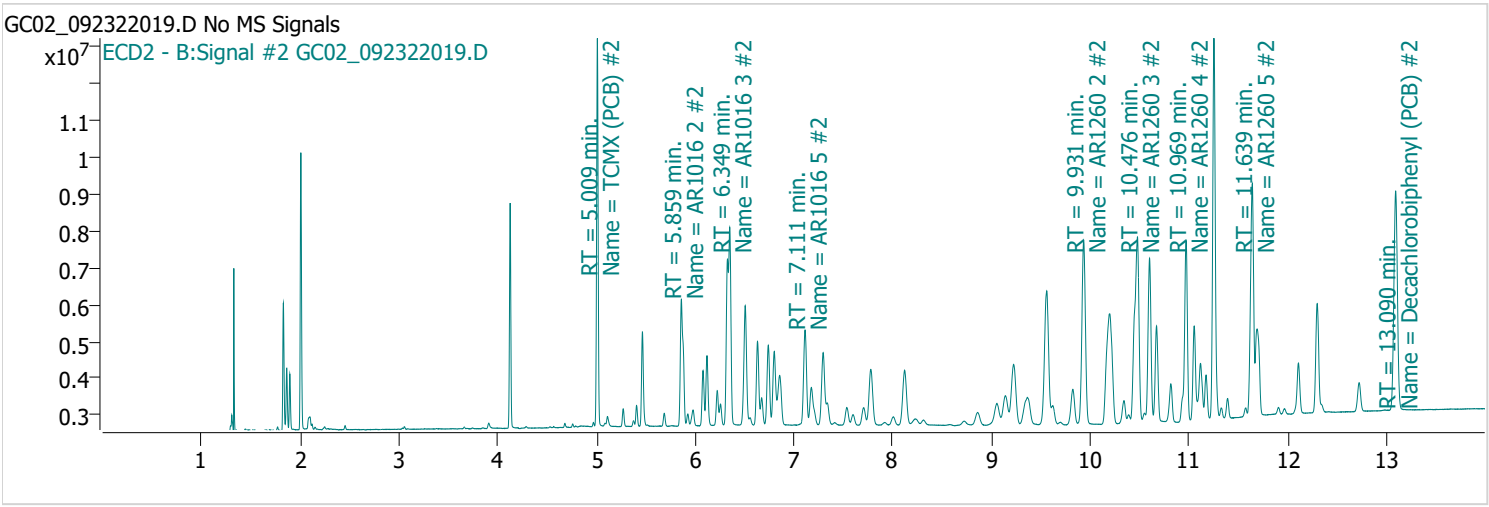
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	21.1246	13.09	0.00	6820277				



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			



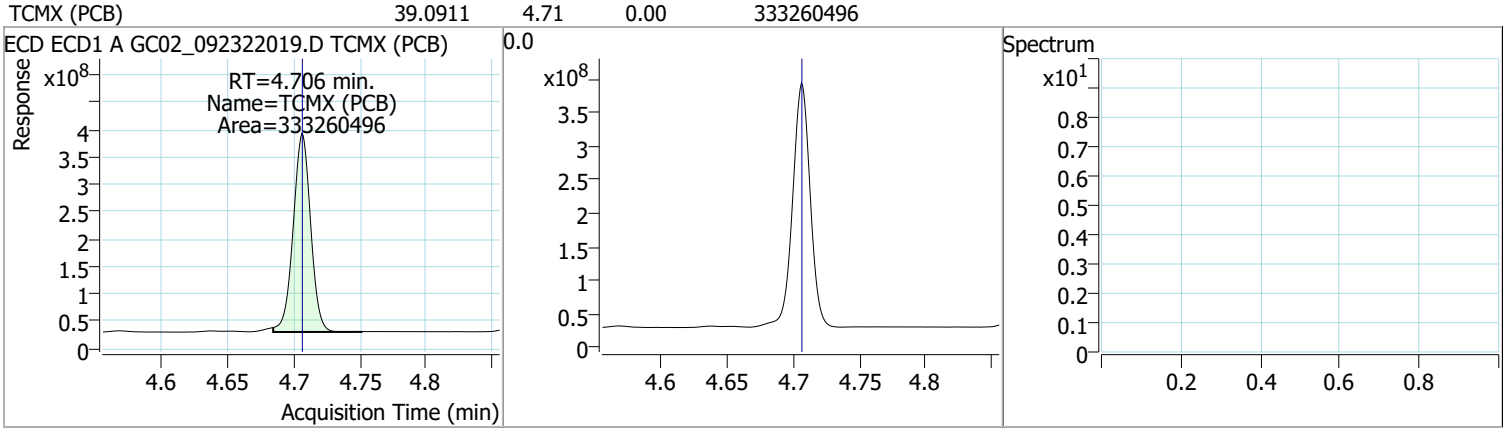


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.947	0.0	175704959.571	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	5706440.387	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	333260496.009	39.0911	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

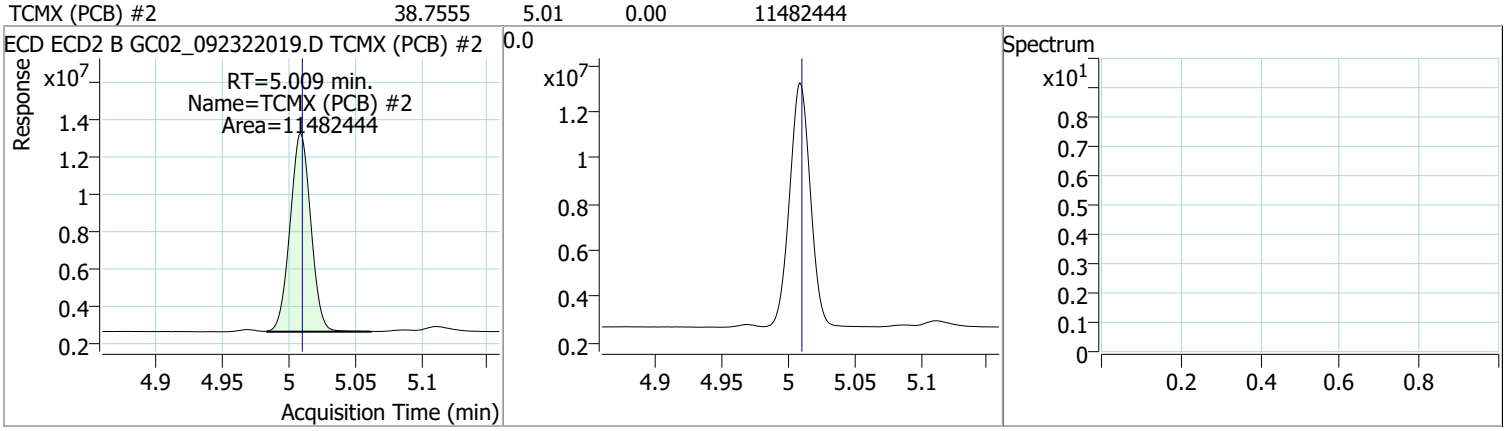
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.036	0.0	60980680.291	476.1630	ng/ml		100
T AR1016 2	5.352	0.0	127505941.509	461.8114	ng/ml		100
T AR1016 1 #2	5.465	0.0	3420358.468	501.3693	ng/ml		100
T AR1016 3	5.785	0.0	208512035.574	489.3680	ng/ml		100
T AR1016 2 #2	5.859	0.0	7057270.736	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

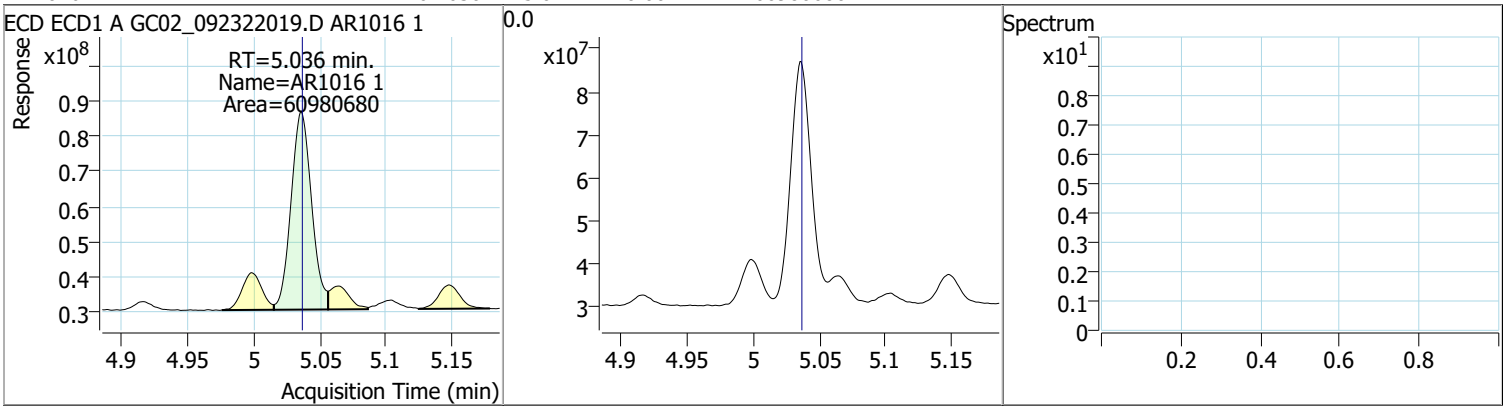
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	39.0911	4.71	0.00	333260496				



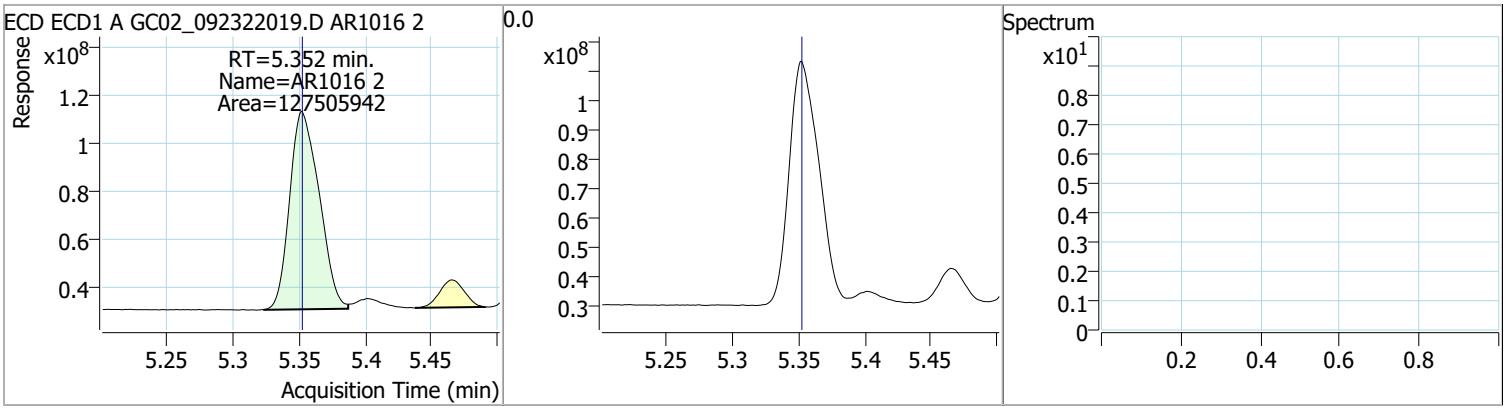
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.7555	5.01	0.00	11482444				



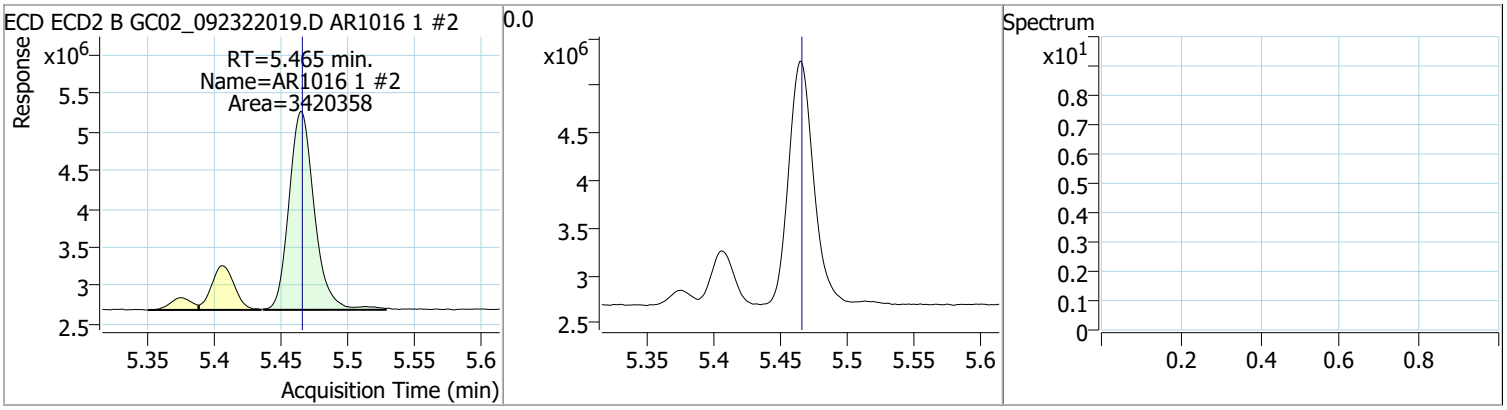
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	476.1630	5.04	0.00	60980680				



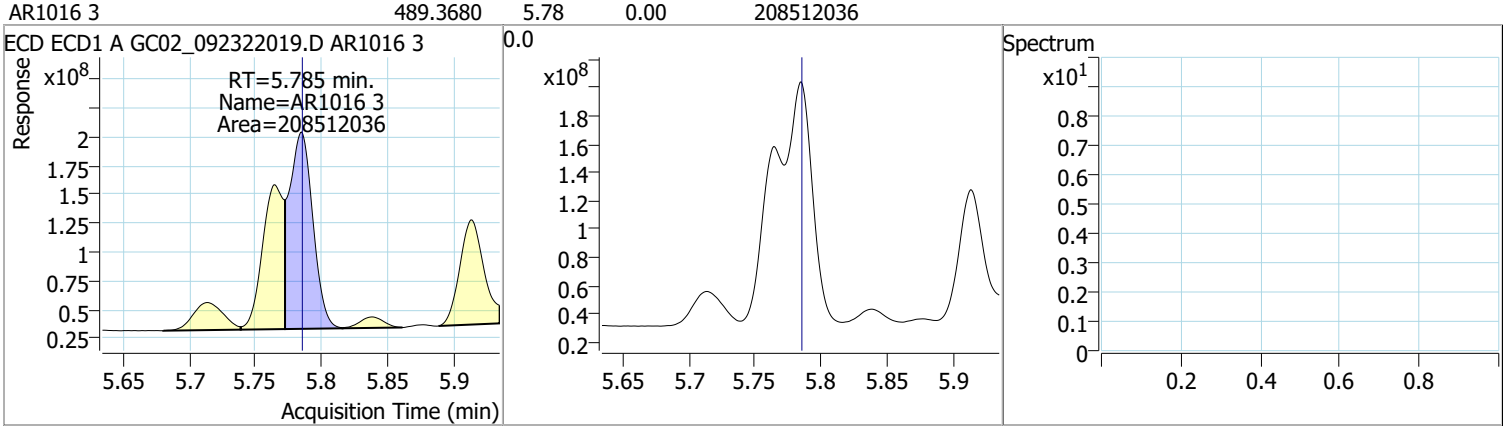
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	461.8114	5.35	0.00	127505942				



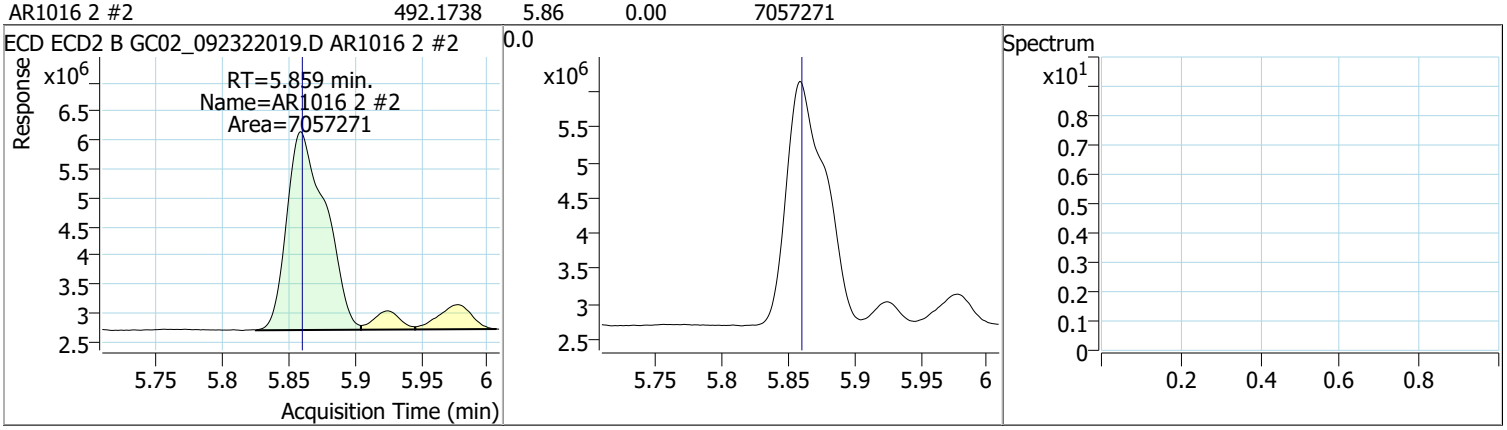
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AR1016 1 #2	501.3693	5.46	0.00	3420358				



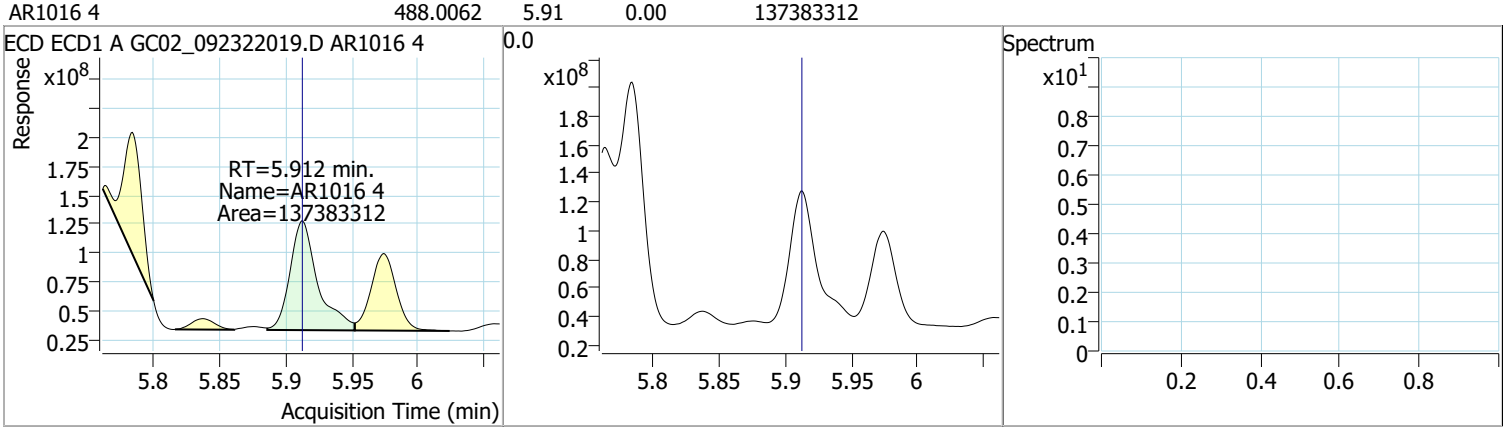
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	489.3680	5.78	0.00	208512036				



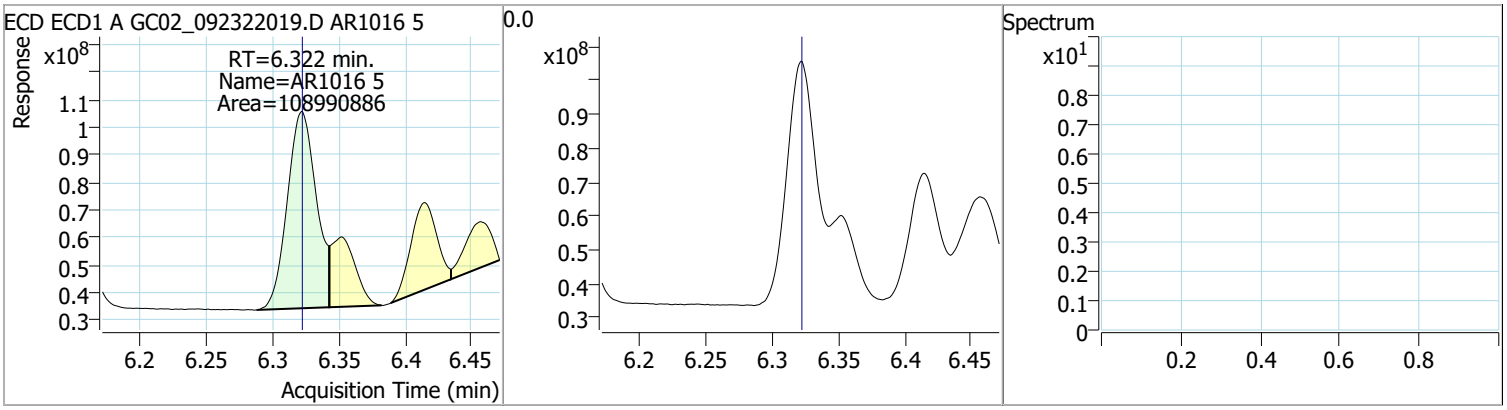
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	492.1738	5.86	0.00	7057271				



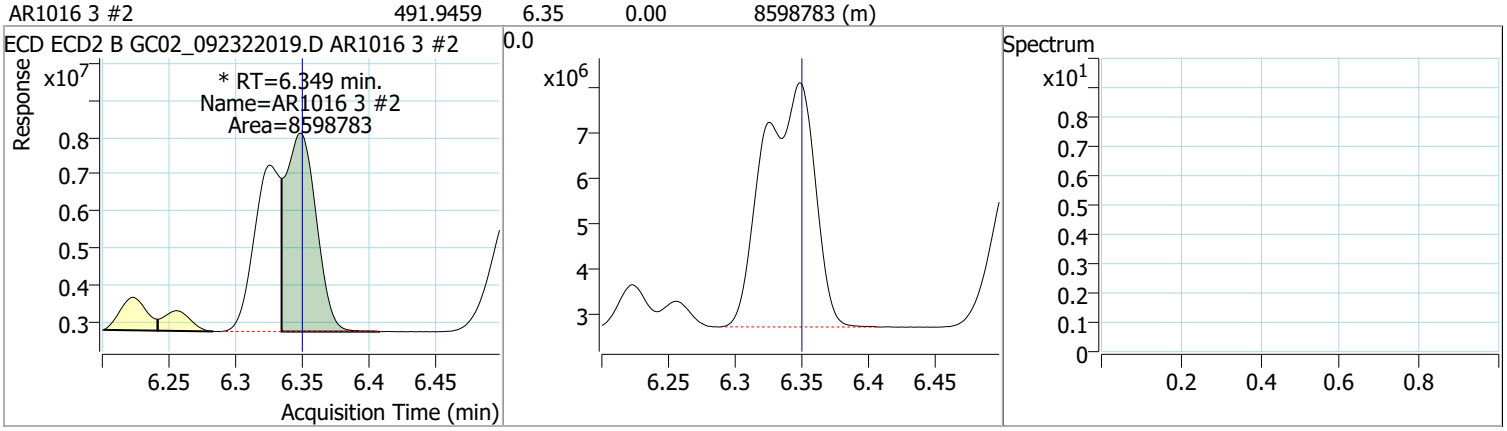
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	488.0062	5.91	0.00	137383312				



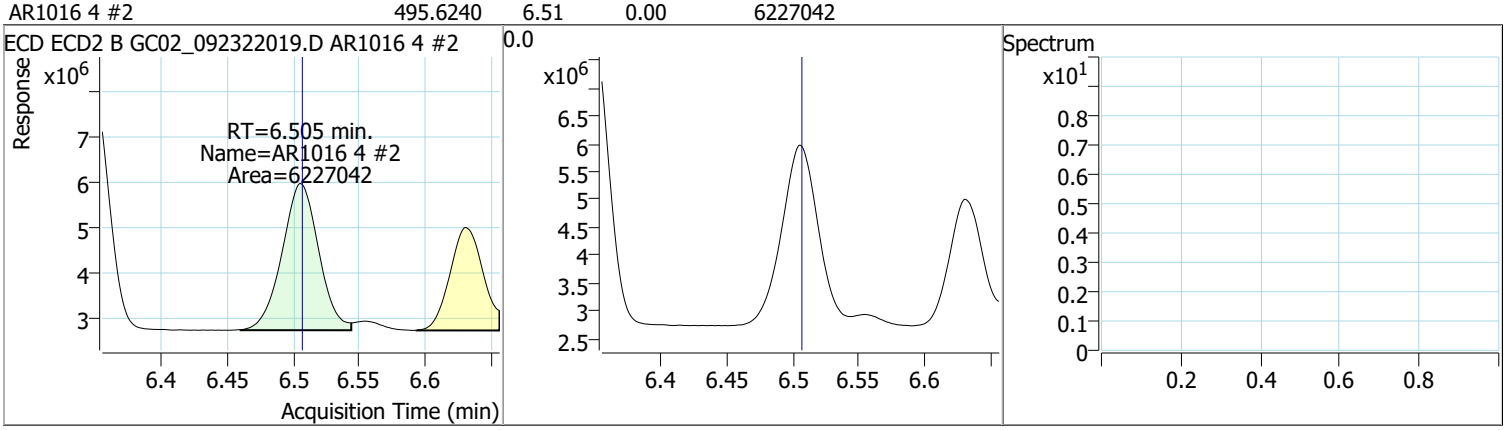
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	481.0912	6.32	0.00	108990886				



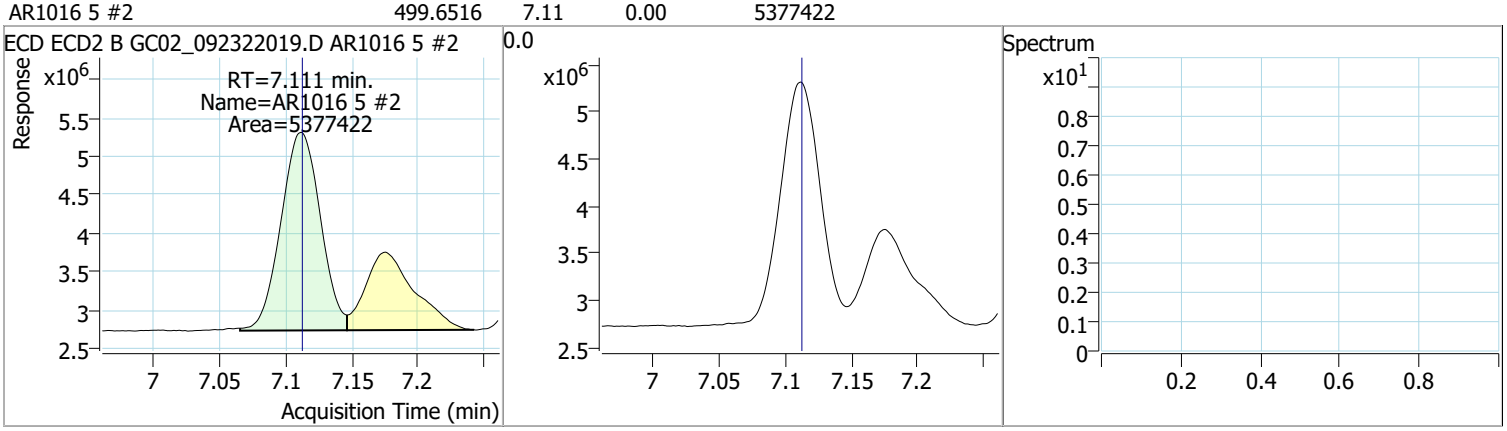
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	491.9459	6.35	0.00	8598783 (m)				



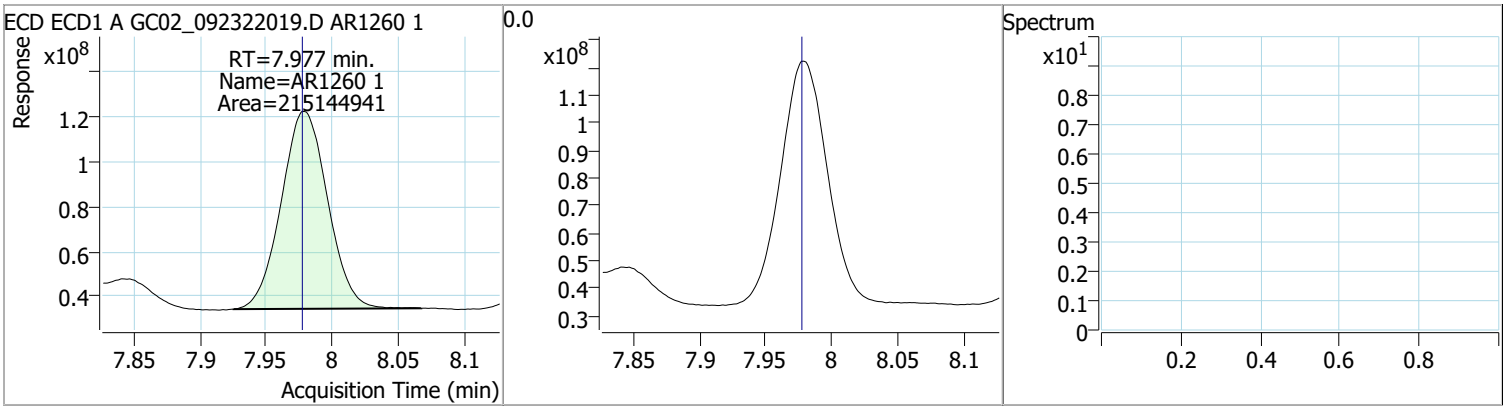
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AR1016 4 #2	495.6240	6.51	0.00	6227042				



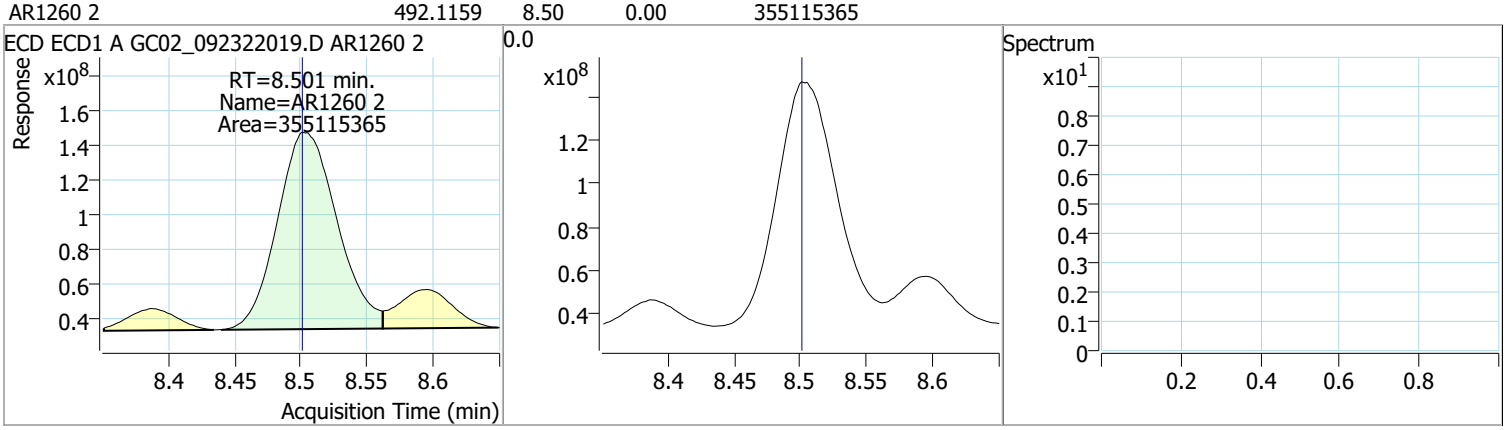
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	499.6516	7.11	0.00	5377422				



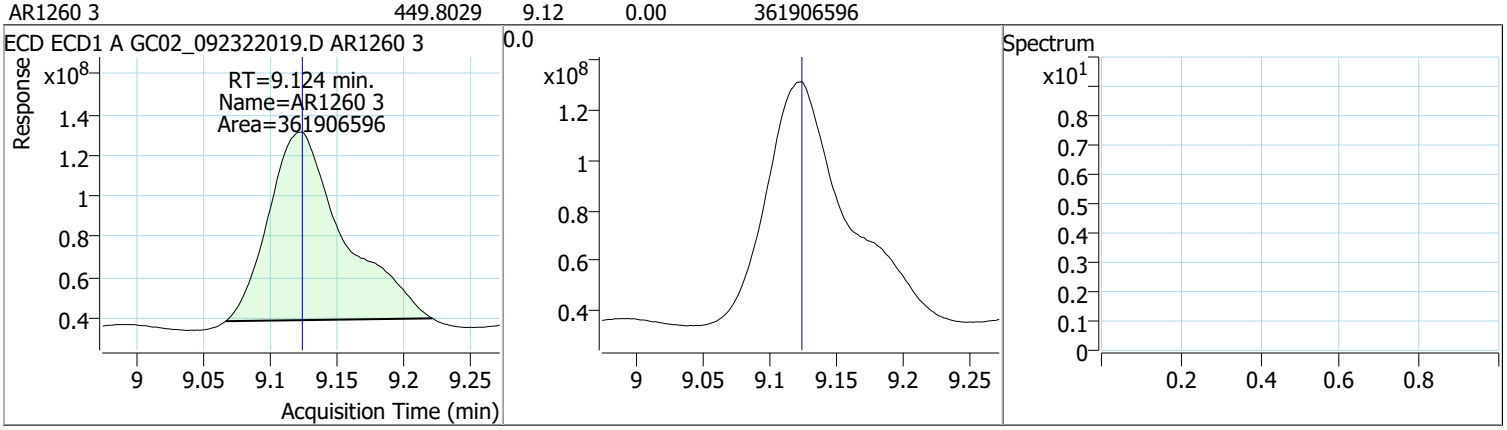
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	483.1540	7.98	0.00	215144941				



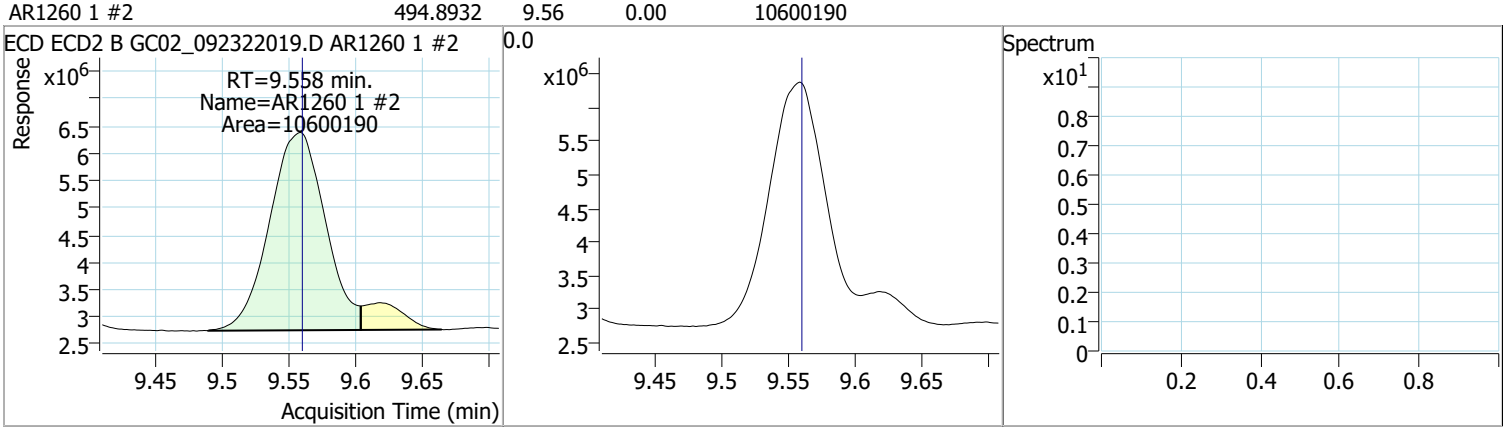
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	492.1159	8.50	0.00	355115365				



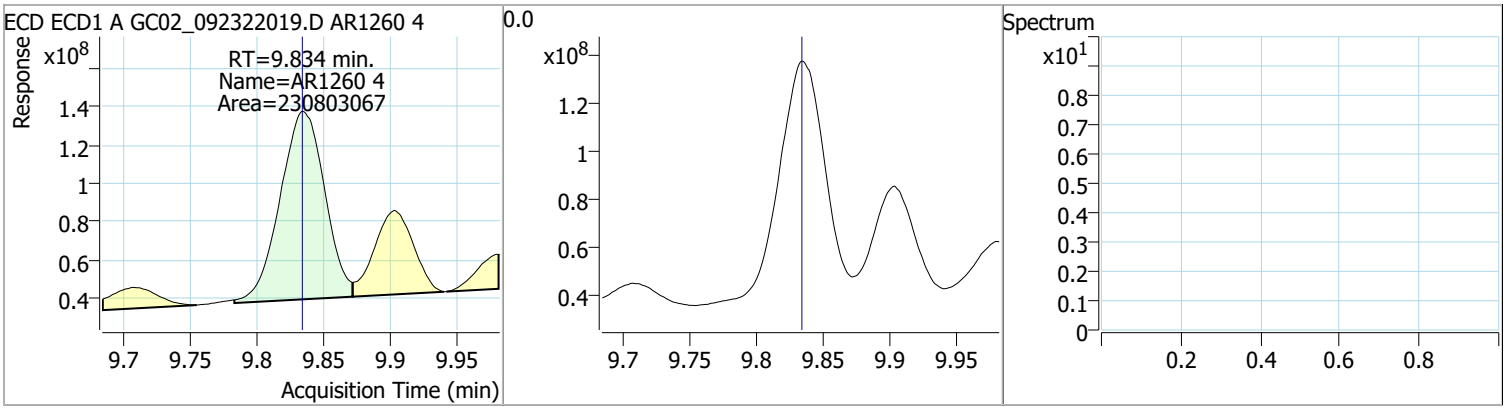
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	449.8029	9.12	0.00	361906596				



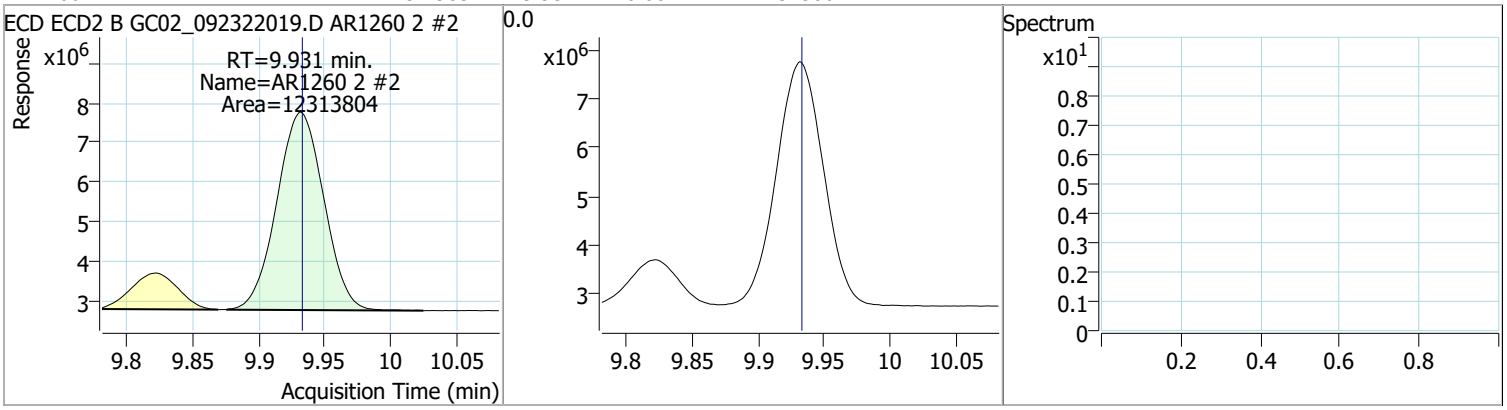
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	494.8932	9.56	0.00	10600190				



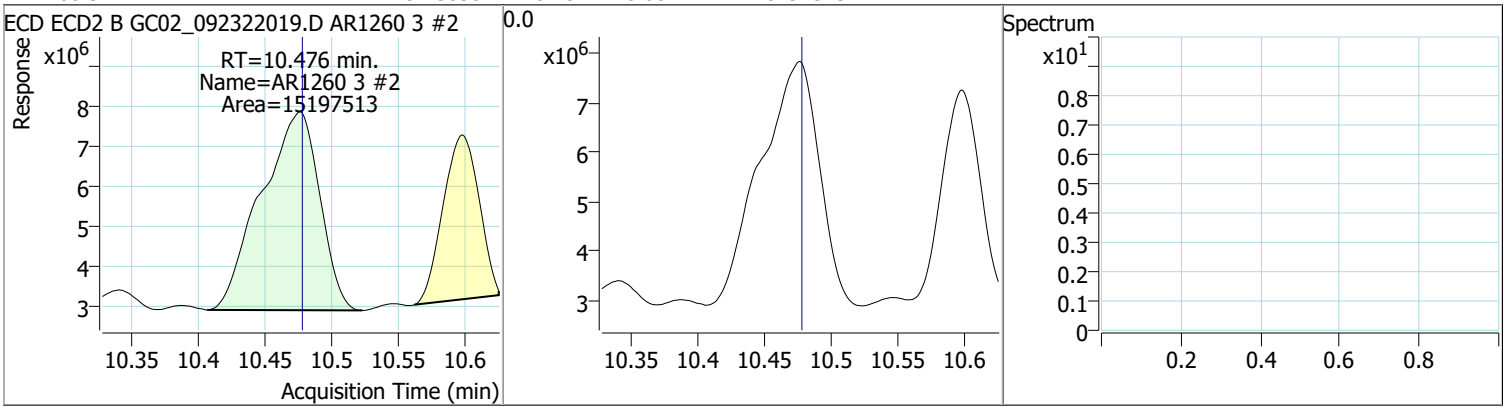
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	512.9622	9.83	0.00	230803067				



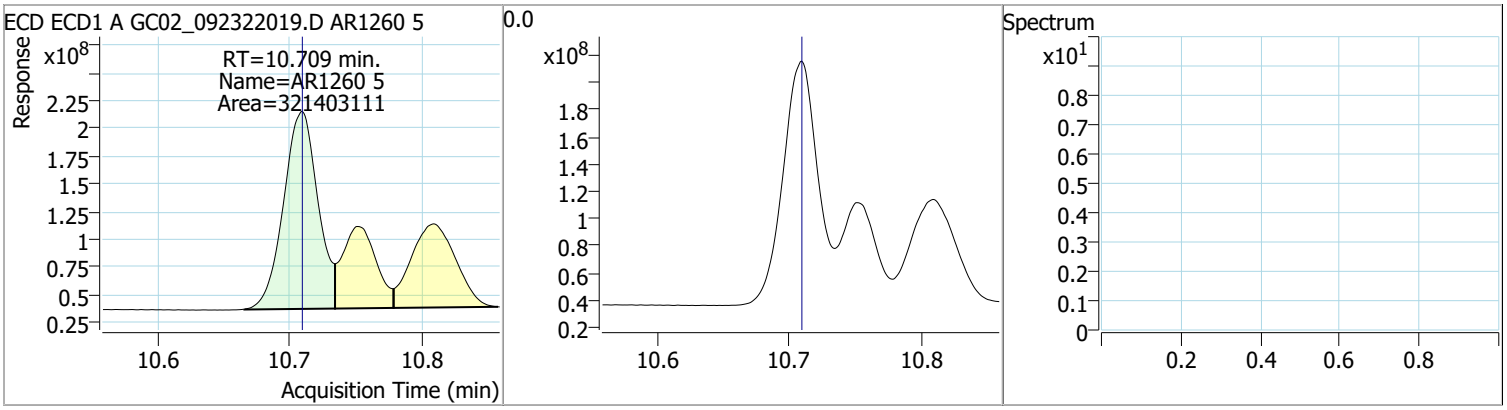
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	492.9834	9.93	0.00	12313804				



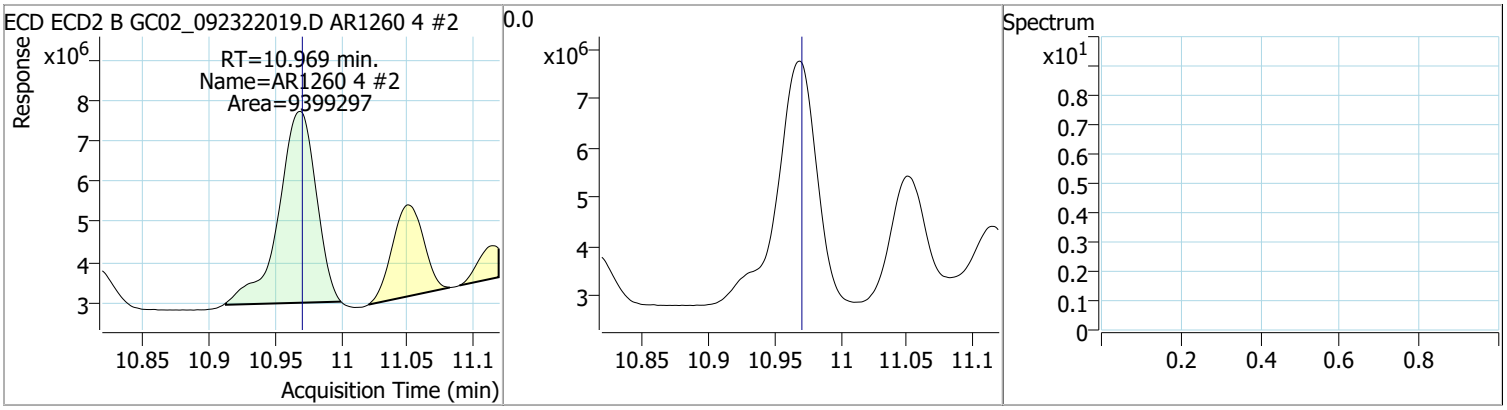
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	497.3838	10.48	0.00	15197513				



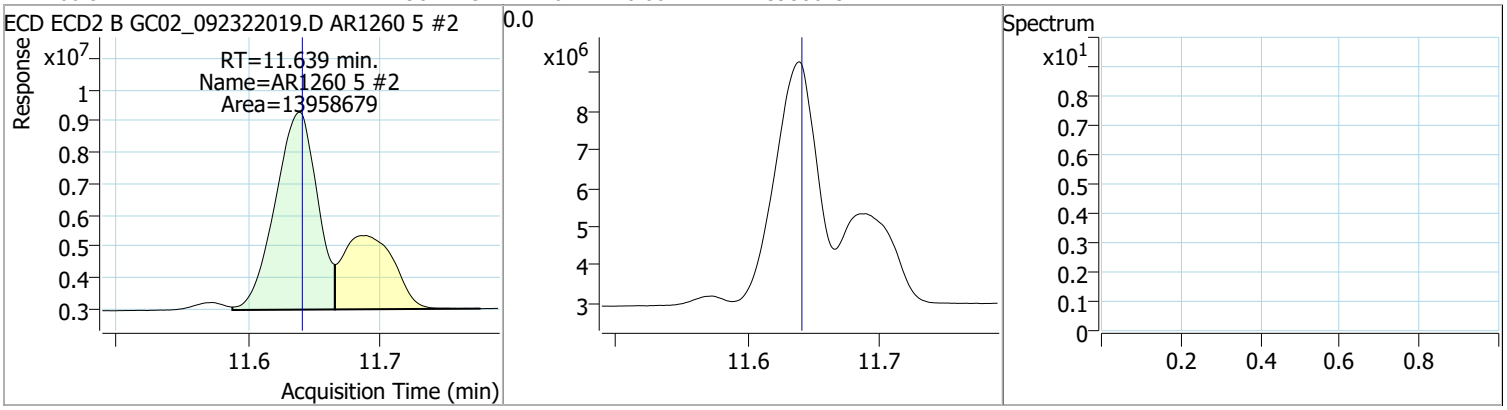
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	520.7011	10.71	0.00	321403111				



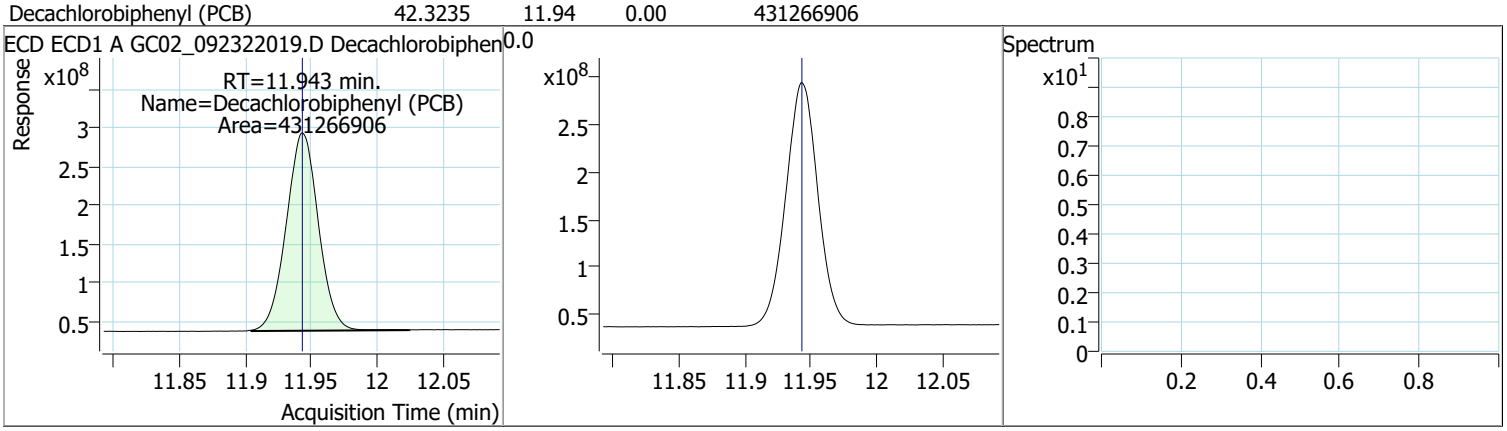
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	503.9828	10.97	0.00	9399297				



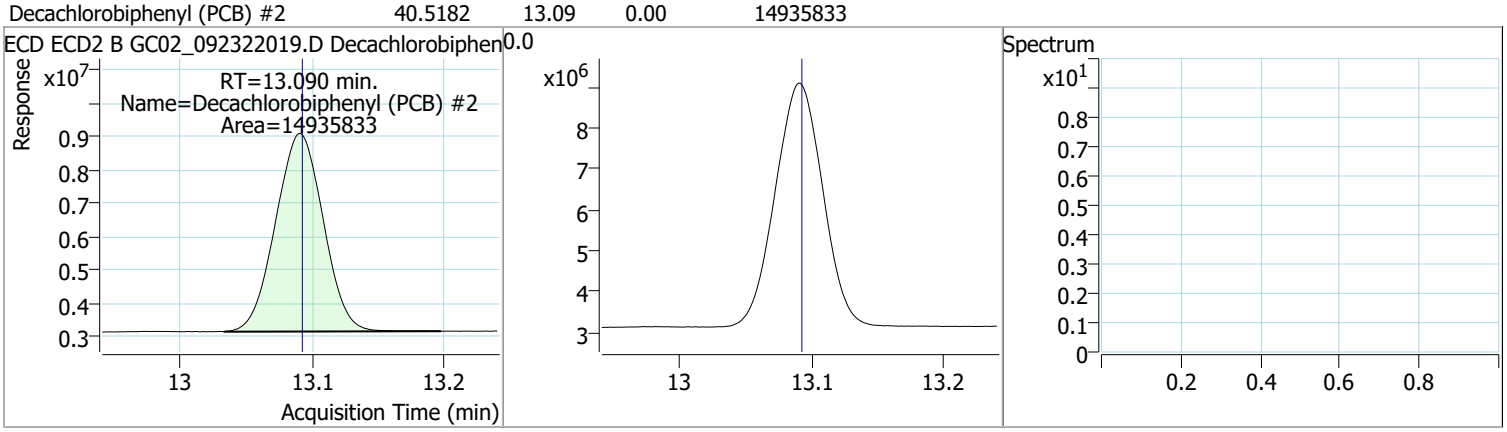
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	498.7723	11.64	0.00	13958679				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.3235	11.94	0.00	431266906				

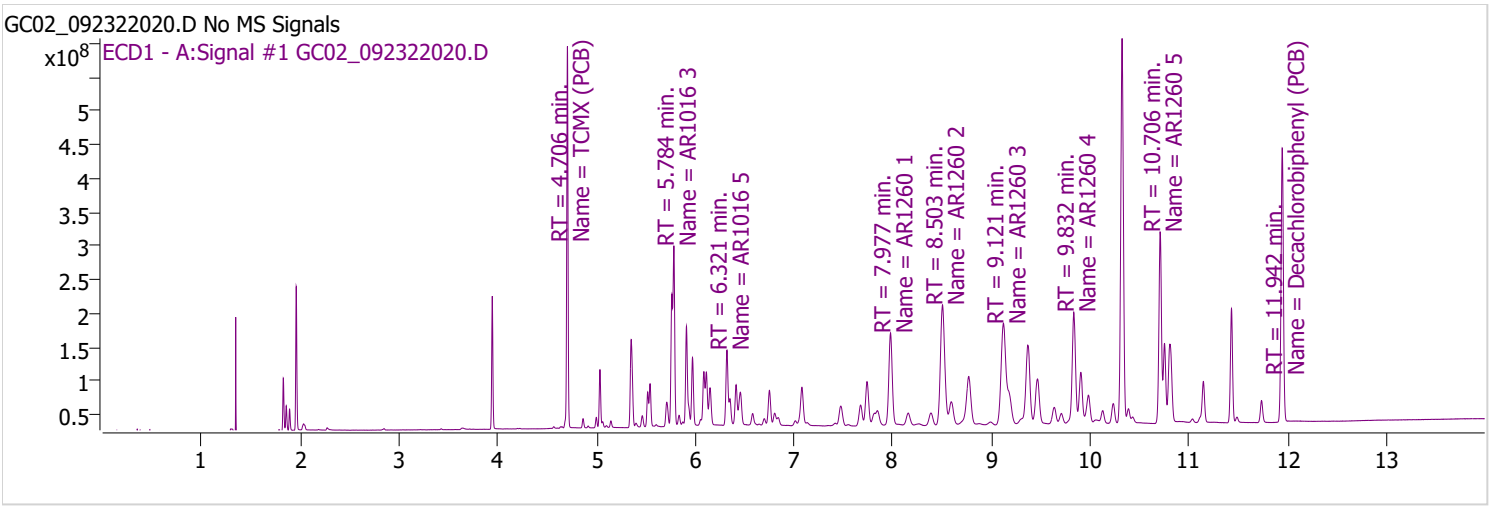


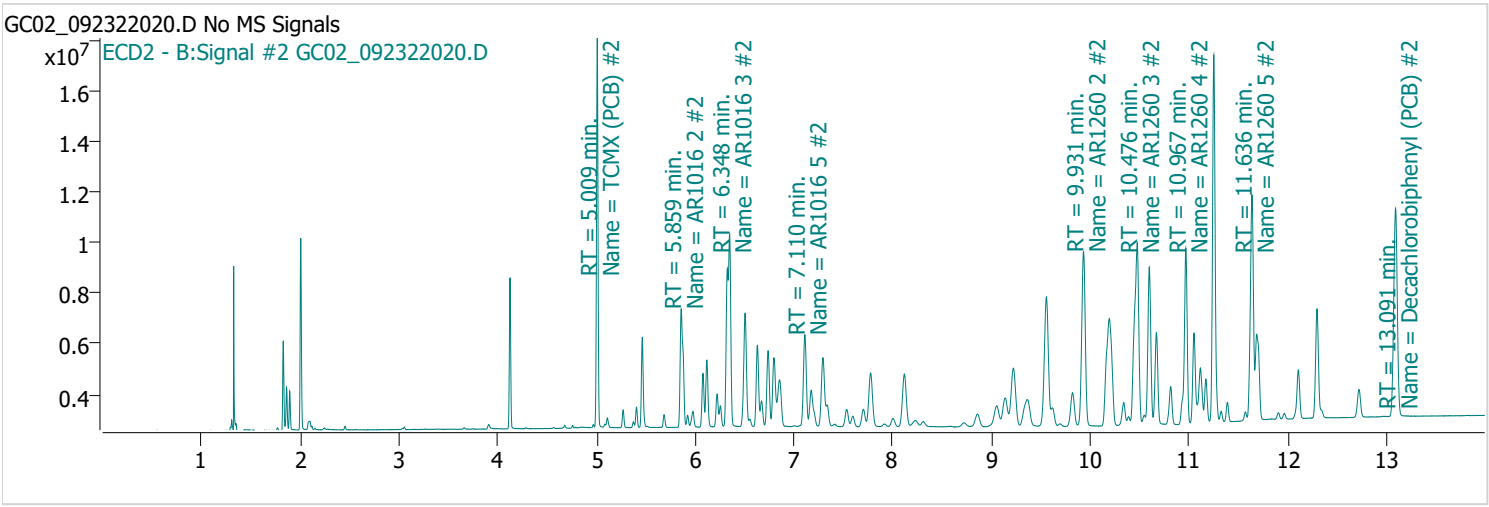
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	40.5182	13.09	0.00	14935833				



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			



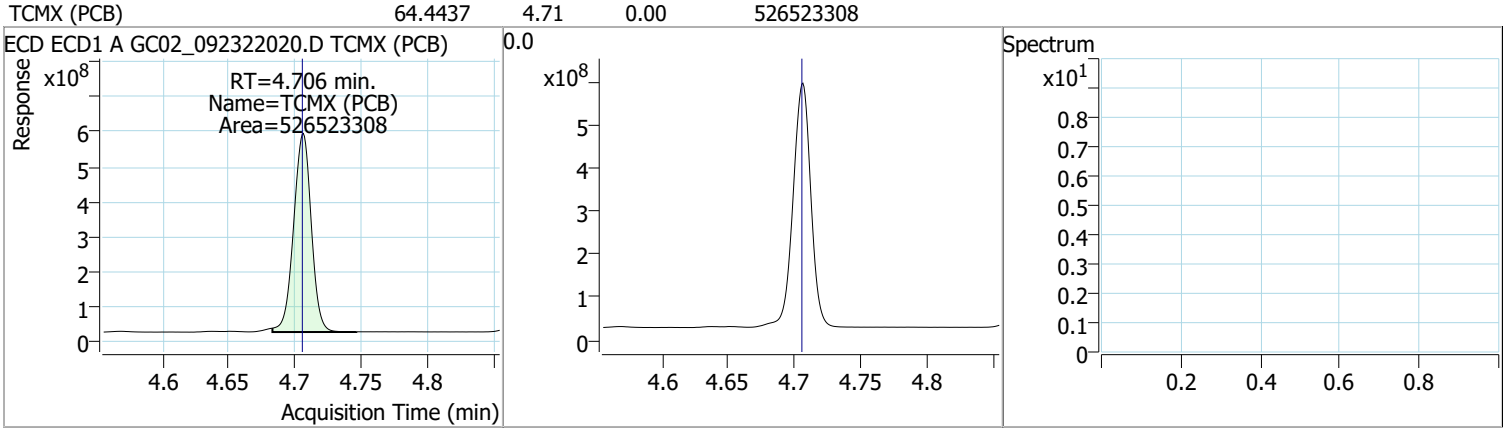


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	168389333.404	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	5542913.182	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	526523308.115	64.4437	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

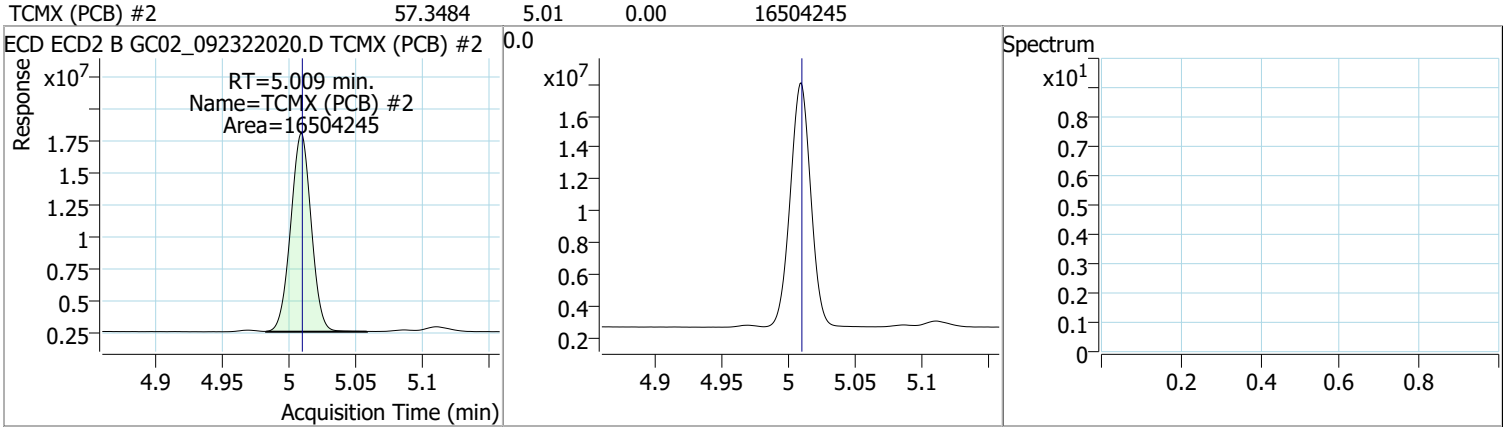
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.036	0.0	90036328.112	733.5852	ng/ml		100
T AR1016 2	5.351	0.0	198372499.061	749.6959	ng/ml		100
T AR1016 1 #2	5.465	0.0	4688767.796	707.5743	ng/ml		100
T AR1016 3	5.784	0.0	331367597.482	811.4915	ng/ml	m	100
T AR1016 2 #2	5.859	0.0	9763139.216	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

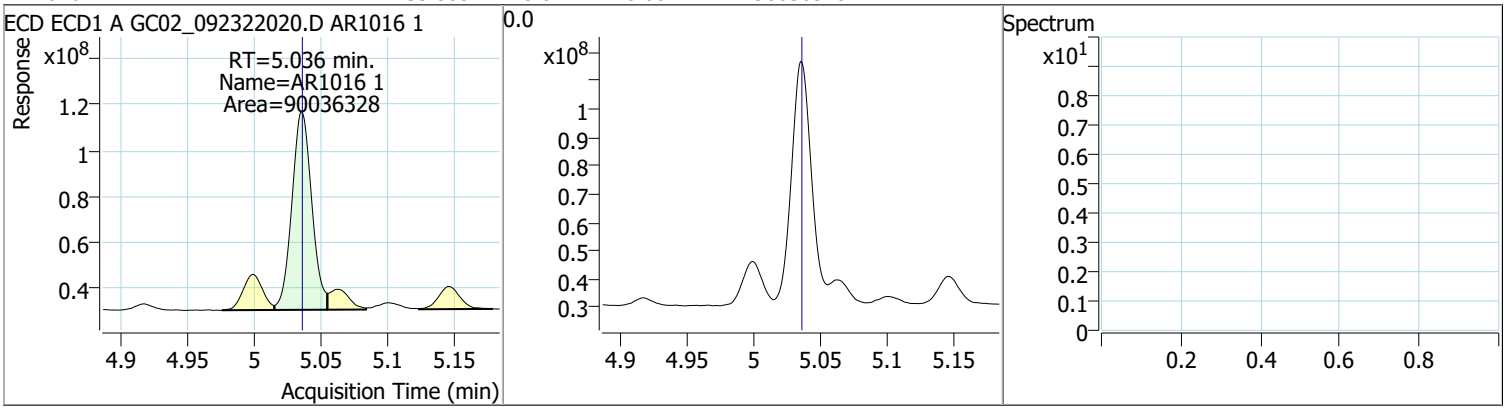
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	64.4437	4.71	0.00	526523308				



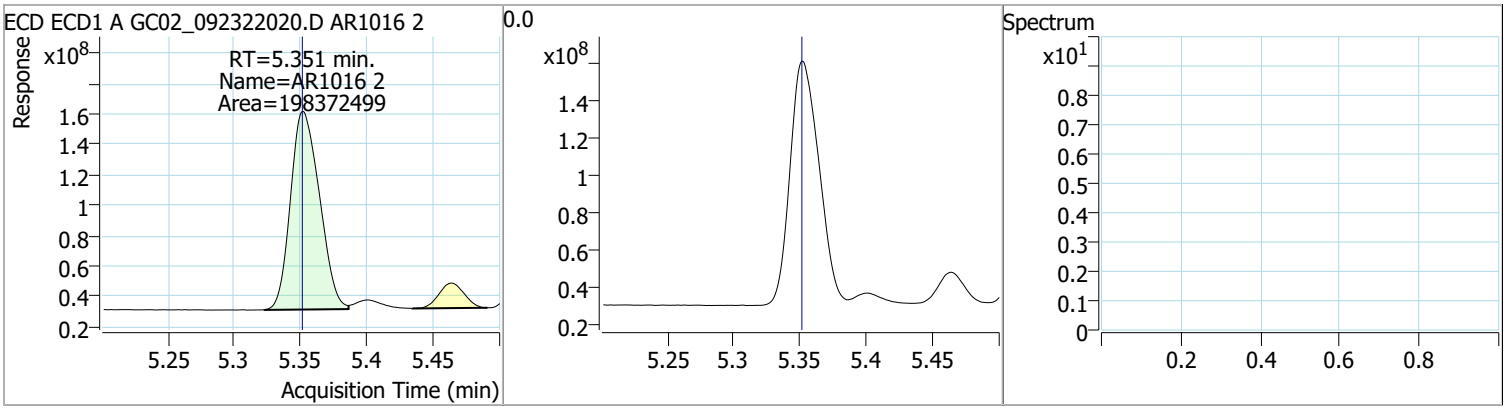
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	57.3484	5.01	0.00	16504245				



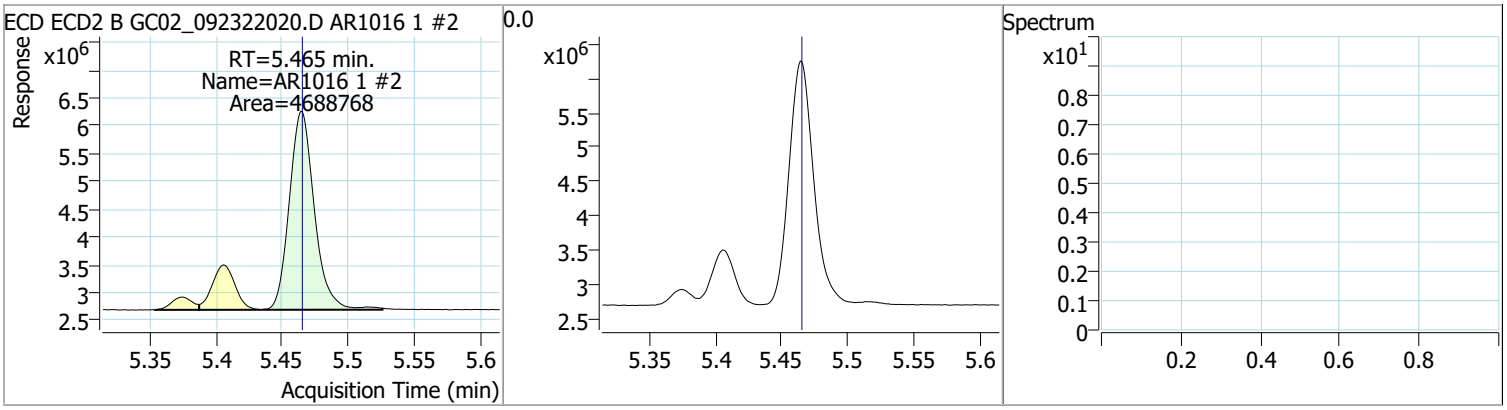
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	733.5852	5.04	0.00	90036328				



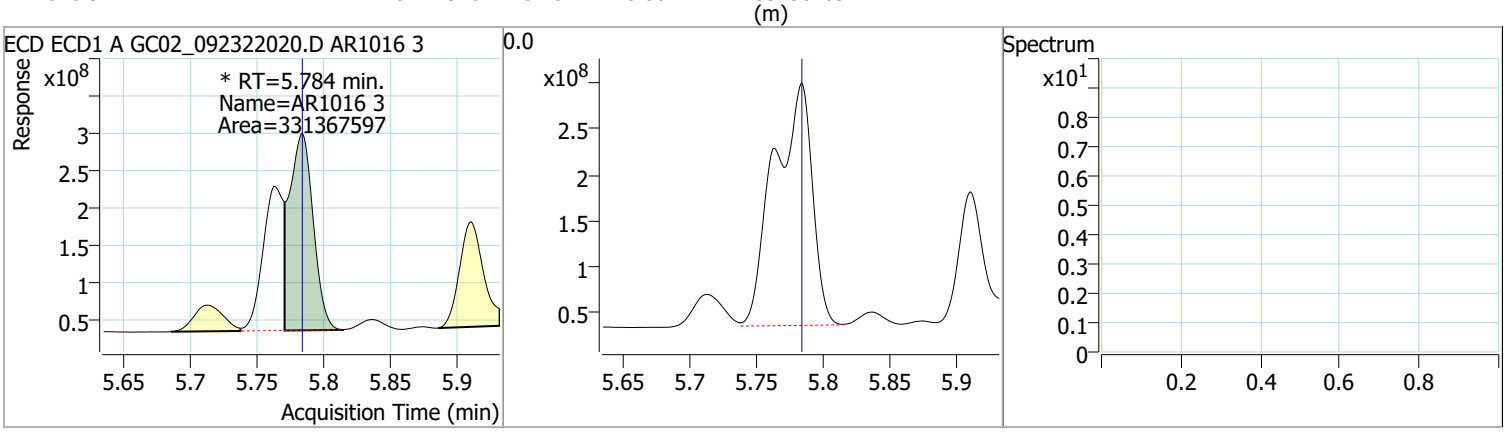
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	749.6959	5.35	0.00	198372499				



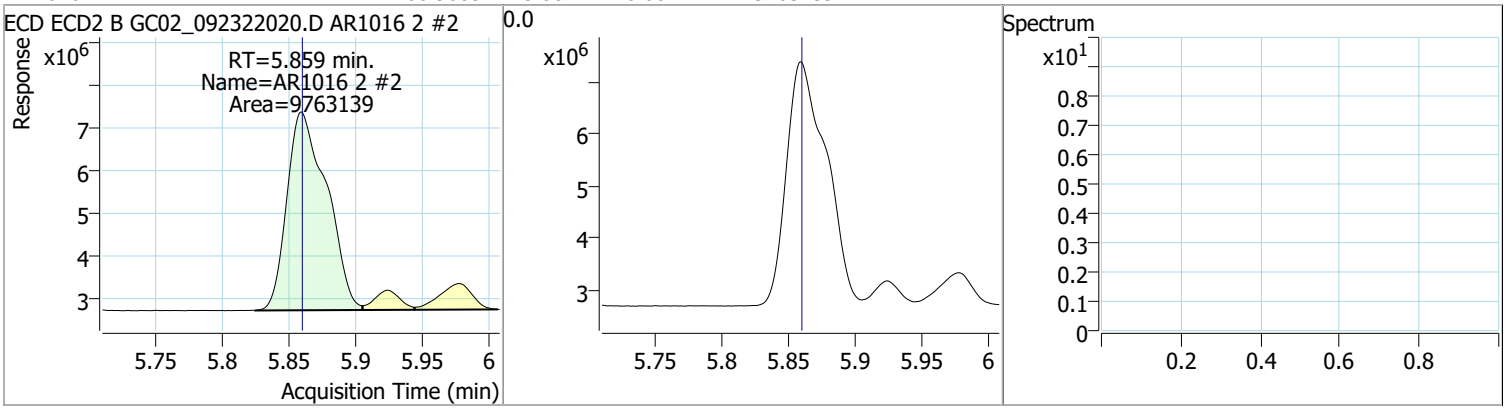
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	707.5743	5.46	0.00	4688768				



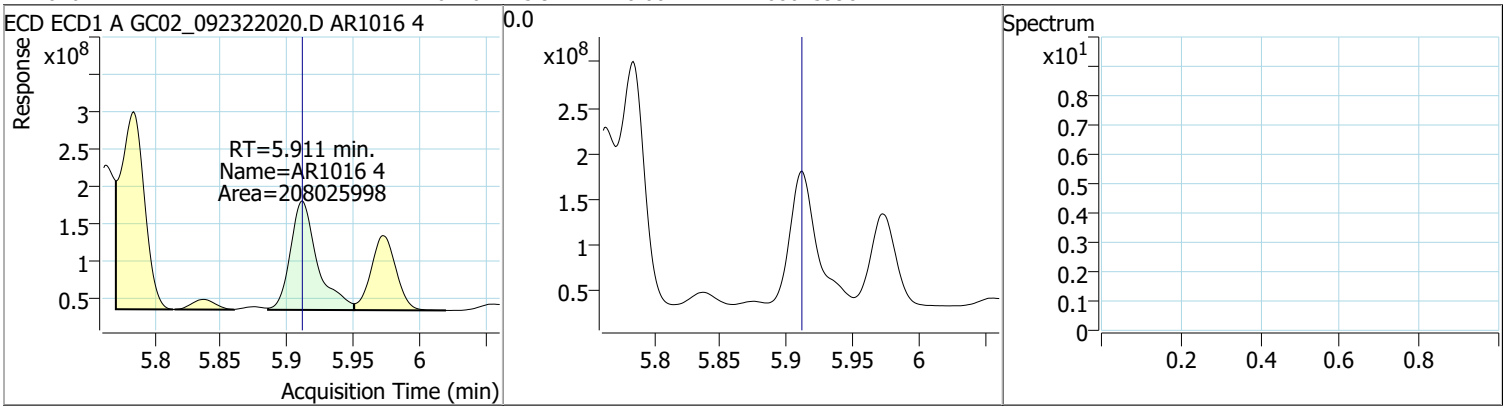
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	811.4915	5.78	0.00	331367597 (m)				



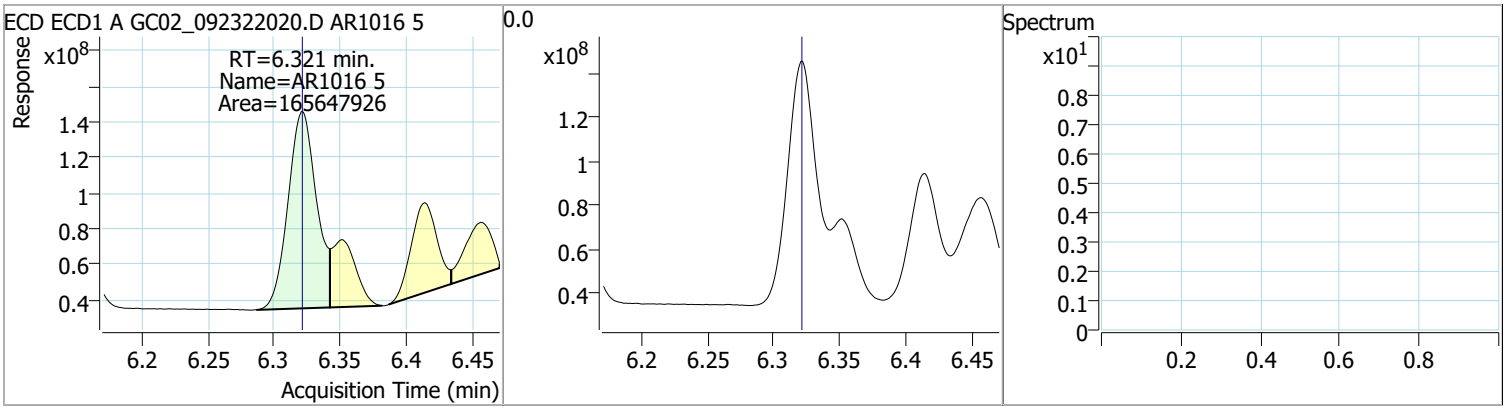
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	700.9683	5.86	0.00	9763139				



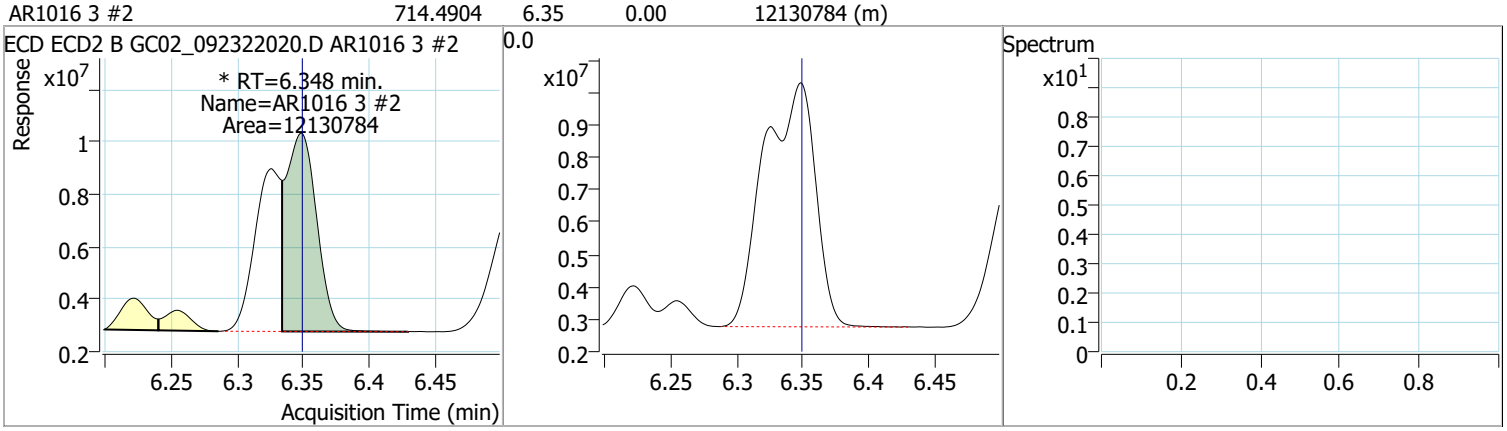
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	771.0426	5.91	0.00	208025998				



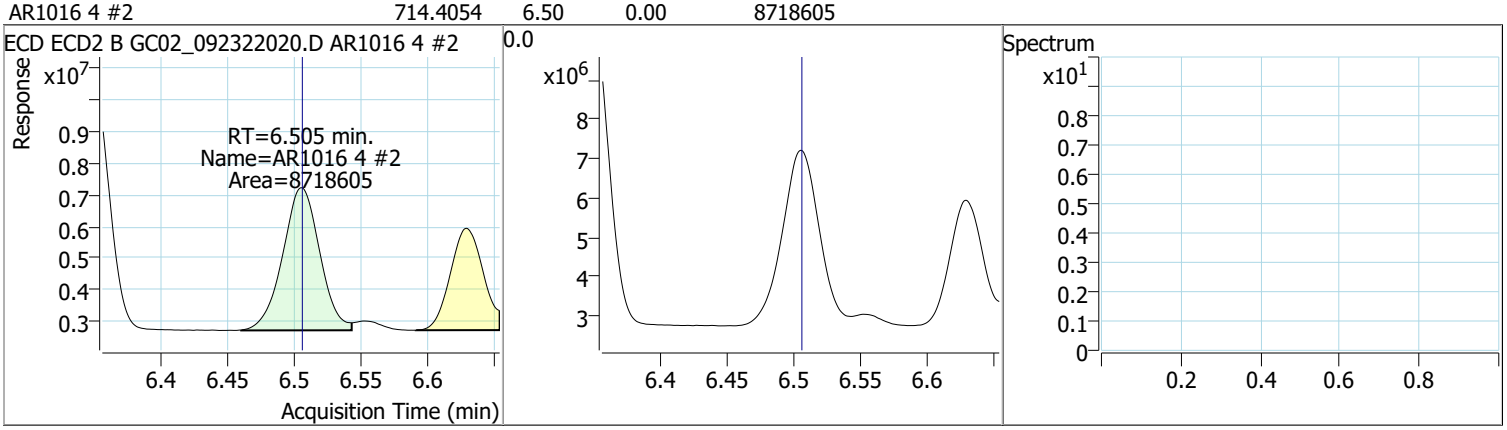
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	762.9440	6.32	0.00	165647926				



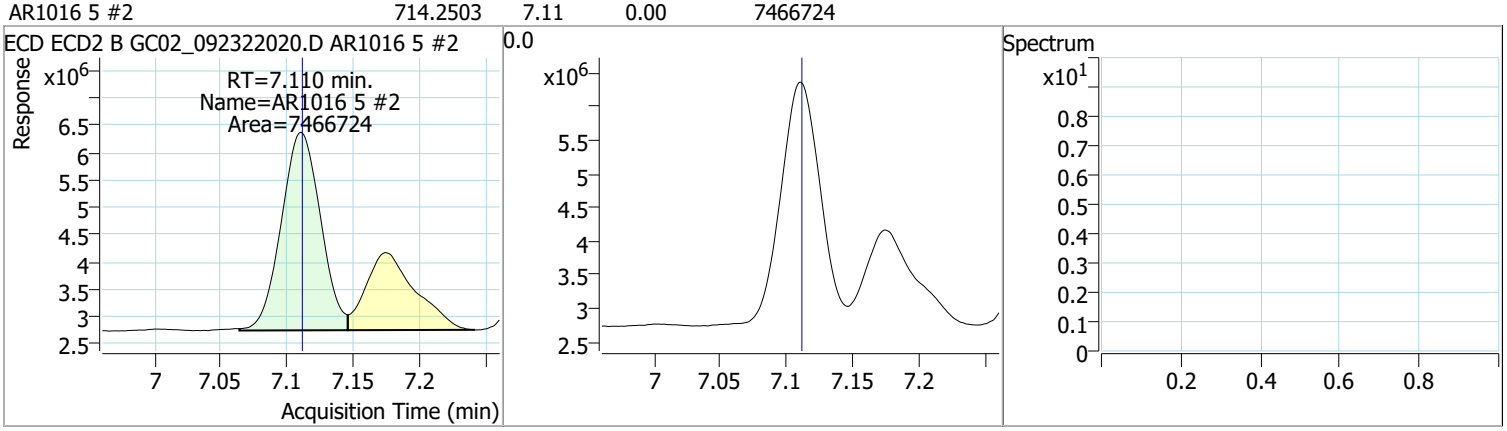
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	714.4904	6.35	0.00	12130784 (m)				



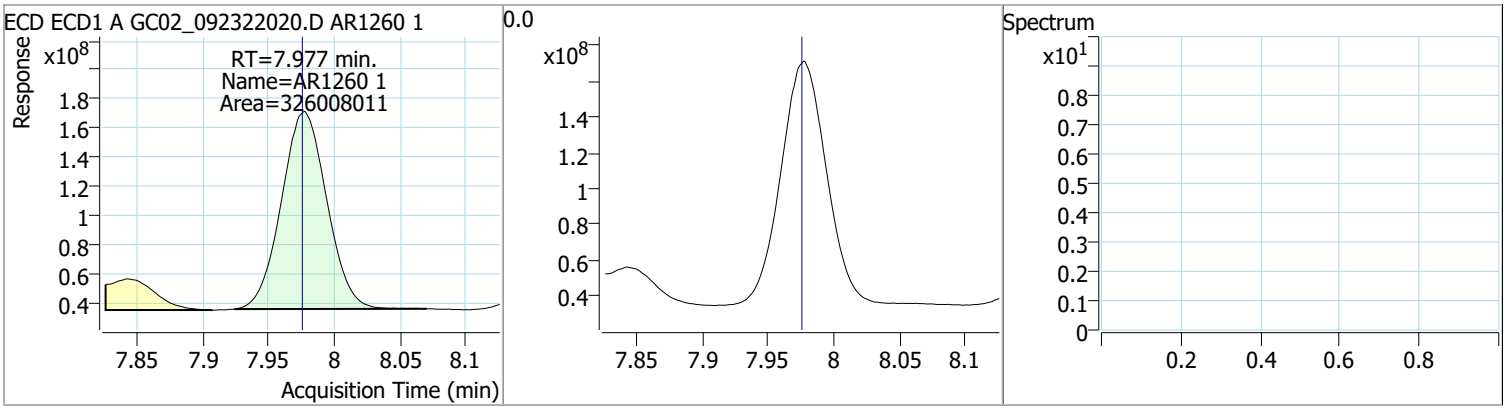
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	714.4054	6.50	0.00	8718605				



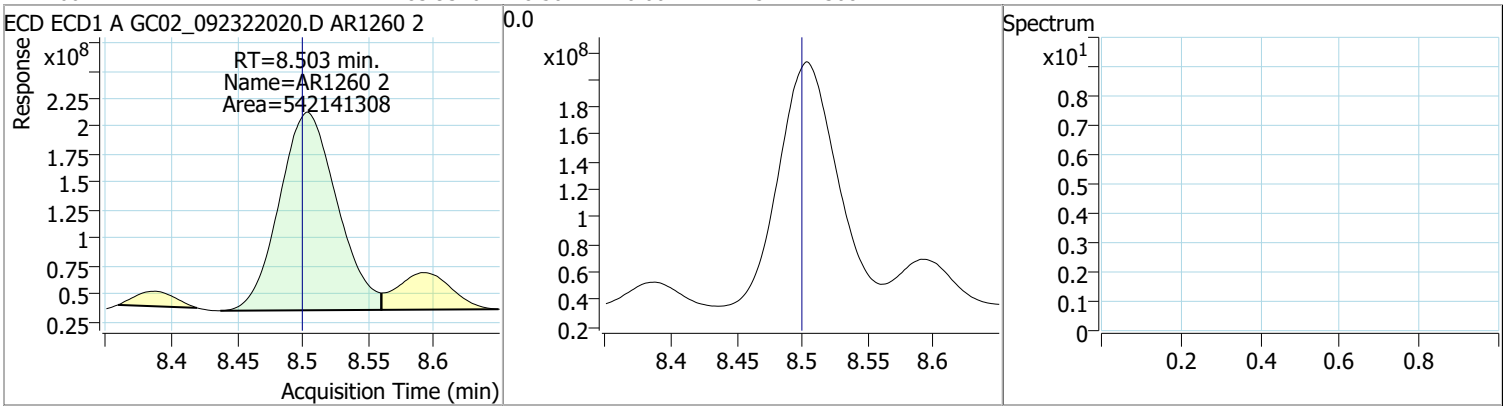
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	714.2503	7.11	0.00	7466724				



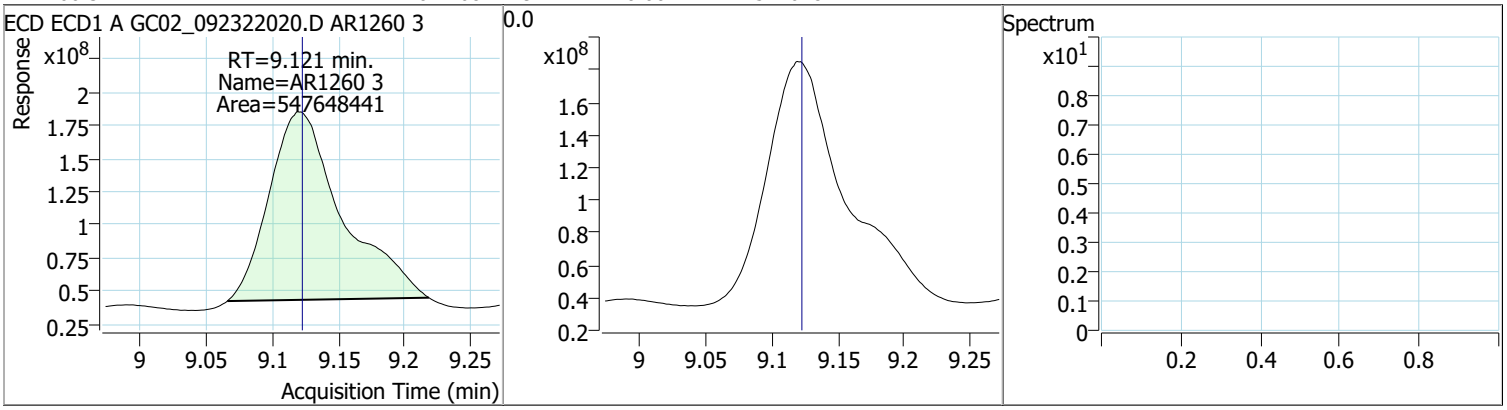
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	763.9275	7.98	0.00	326008011				



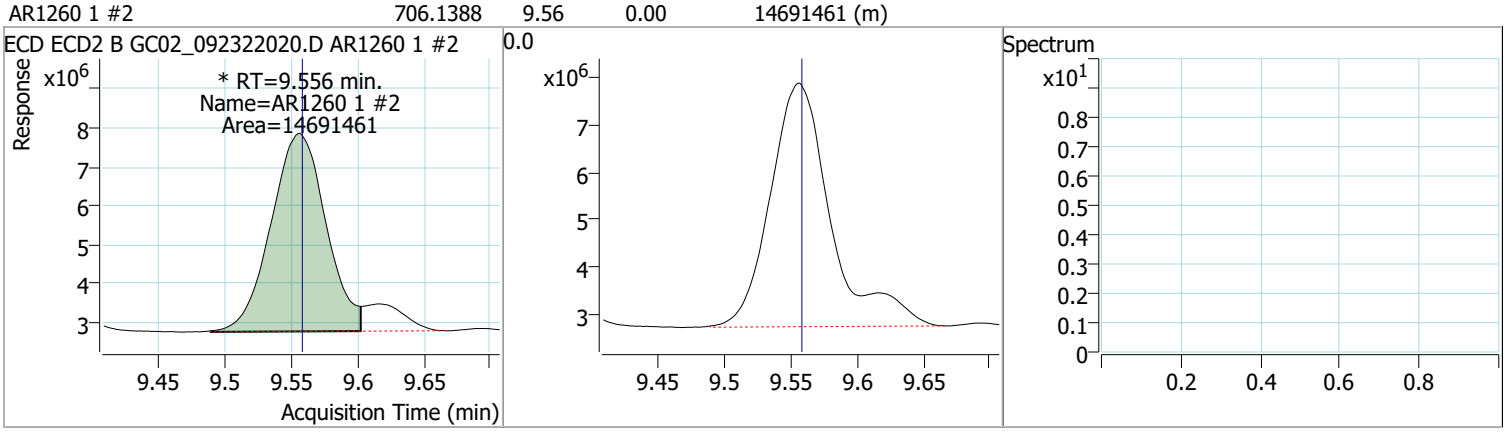
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	783.9346	8.50	0.00	542141308				



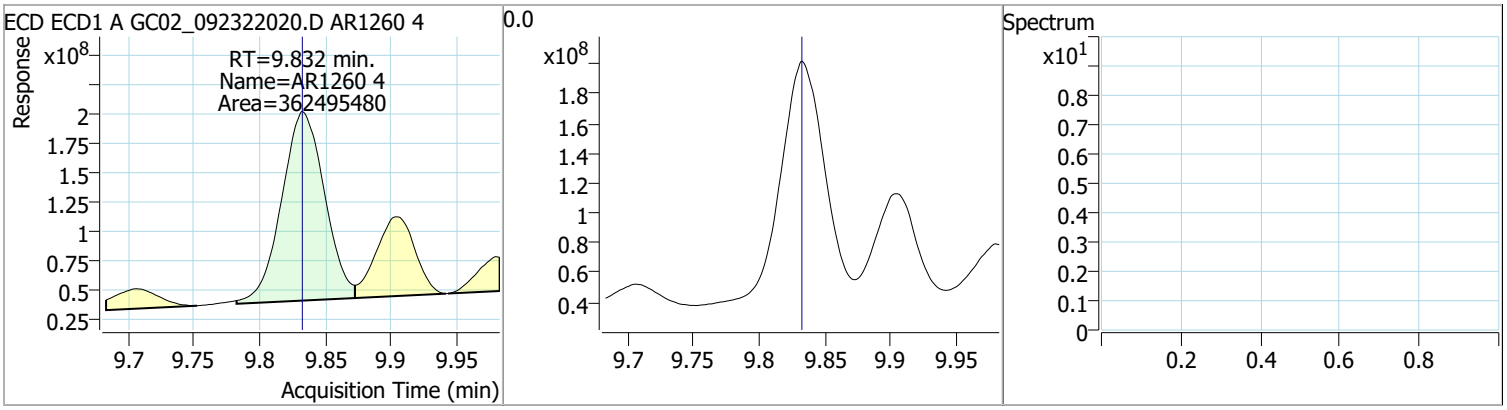
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	710.2268	9.12	0.00	547648441				



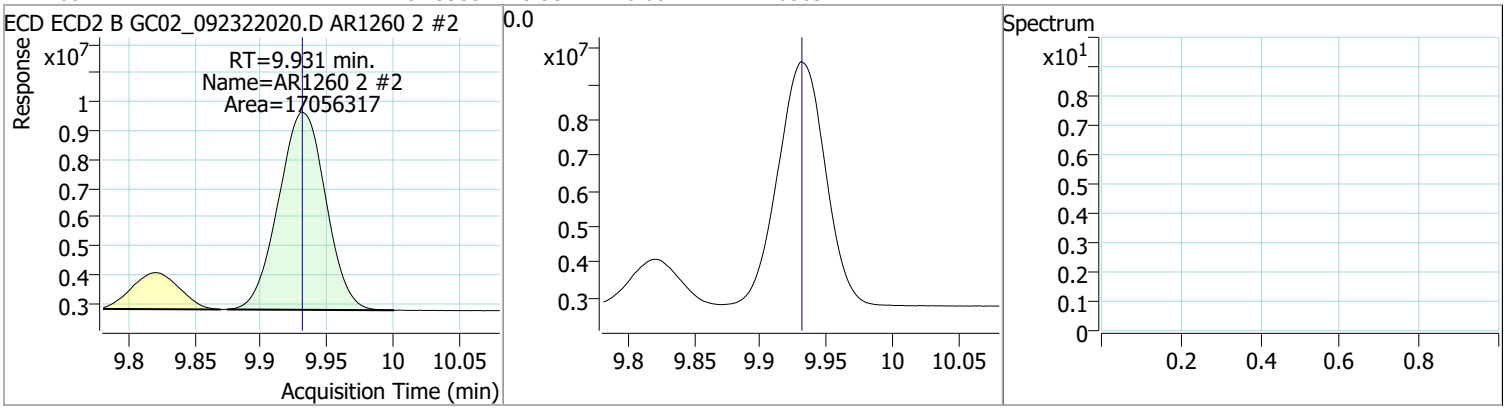
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	706.1388	9.56	0.00	14691461 (m)				



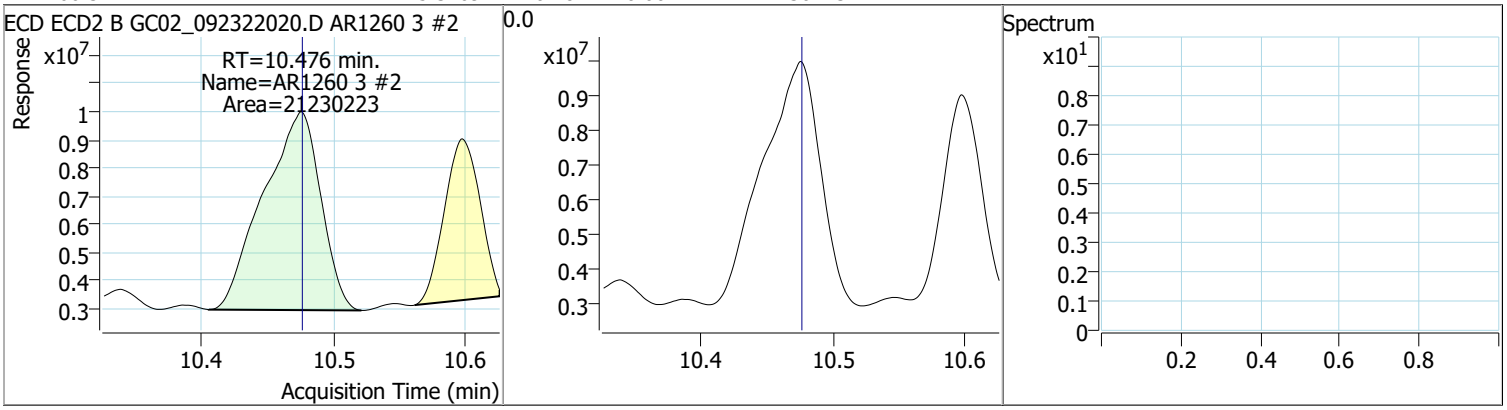
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	840.6512	9.83	0.00	362495480				



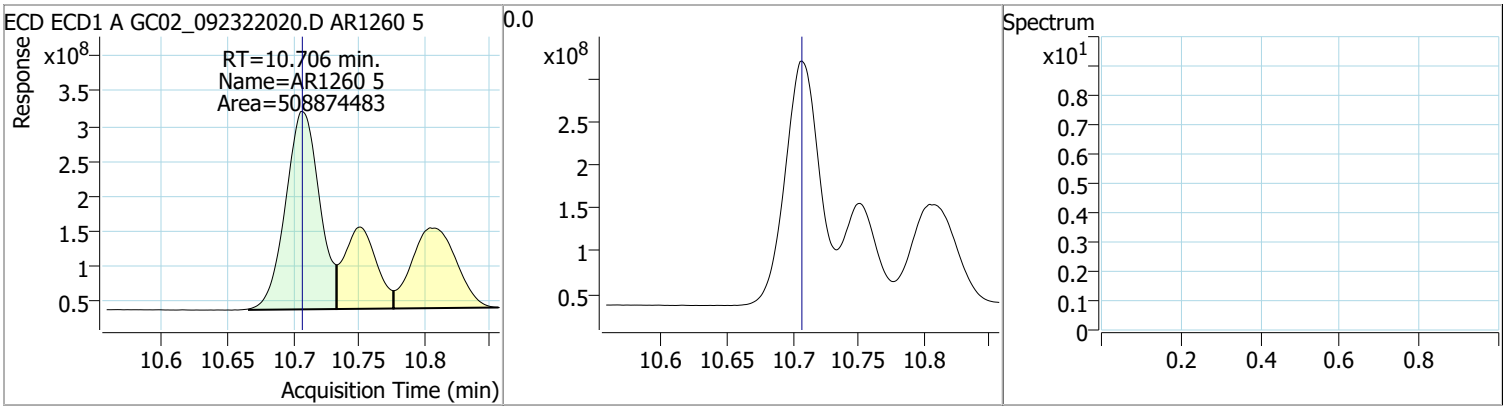
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	702.9955	9.93	0.00	17056317				



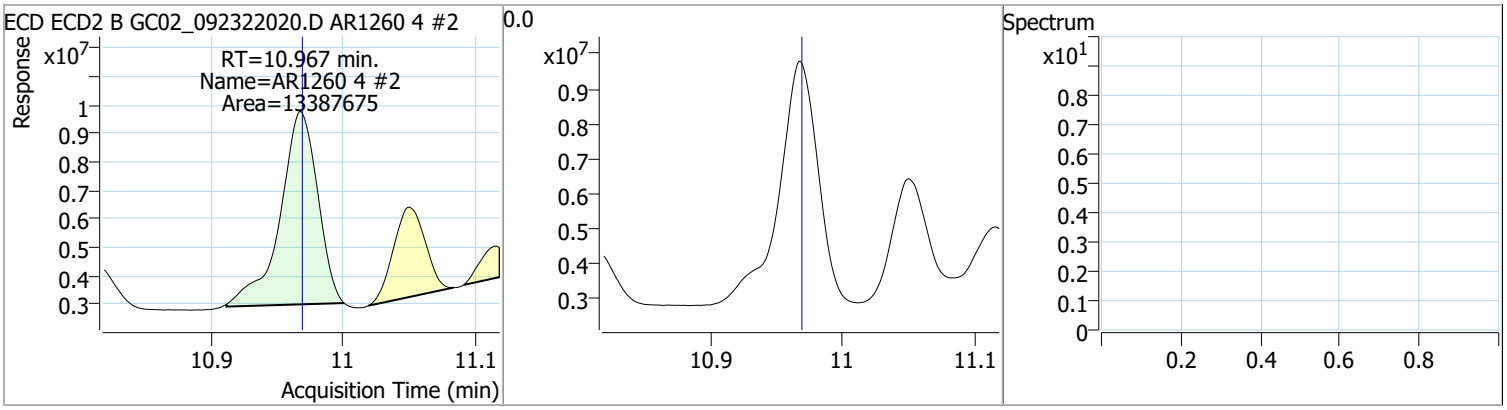
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	715.3209	10.48	0.00	21230223				



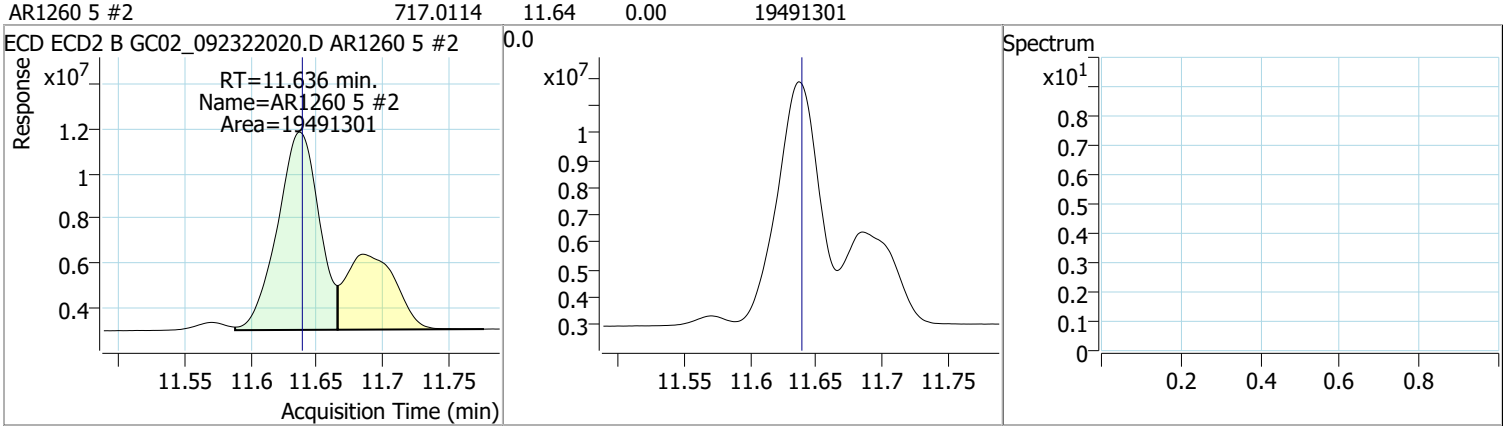
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	860.2378	10.71	0.00	508874483				



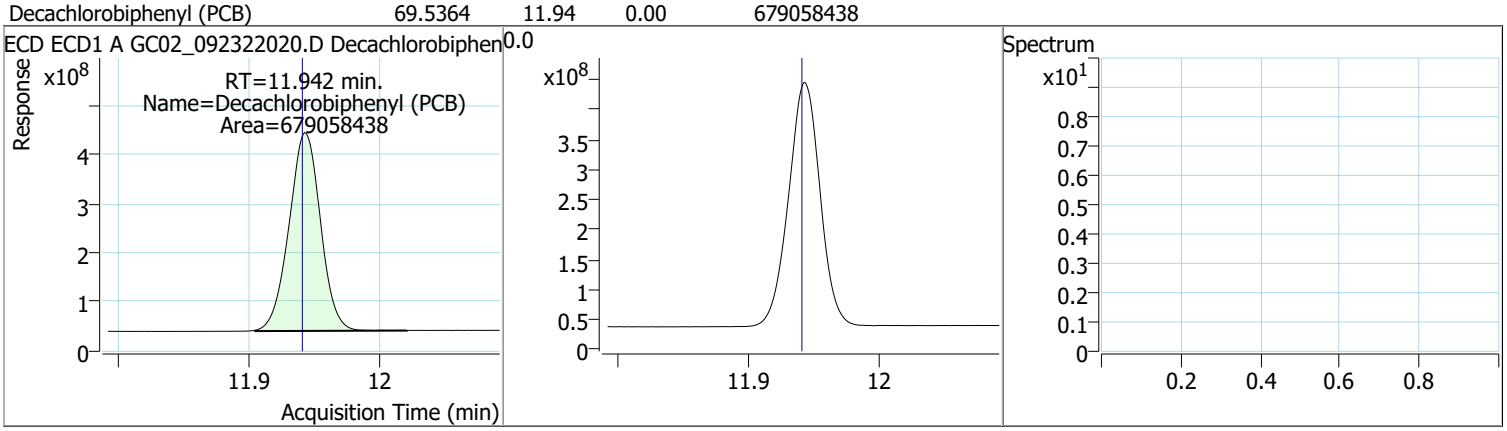
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	739.0141	10.97	0.00	13387675				



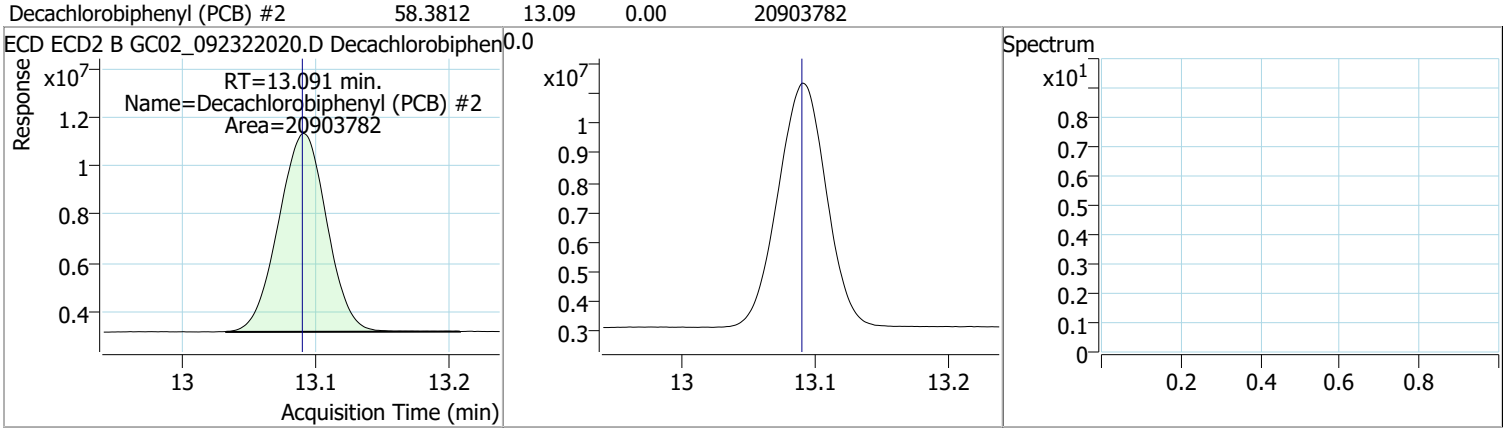
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	717.0114	11.64	0.00	19491301				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	69.5364	11.94	0.00	679058438				

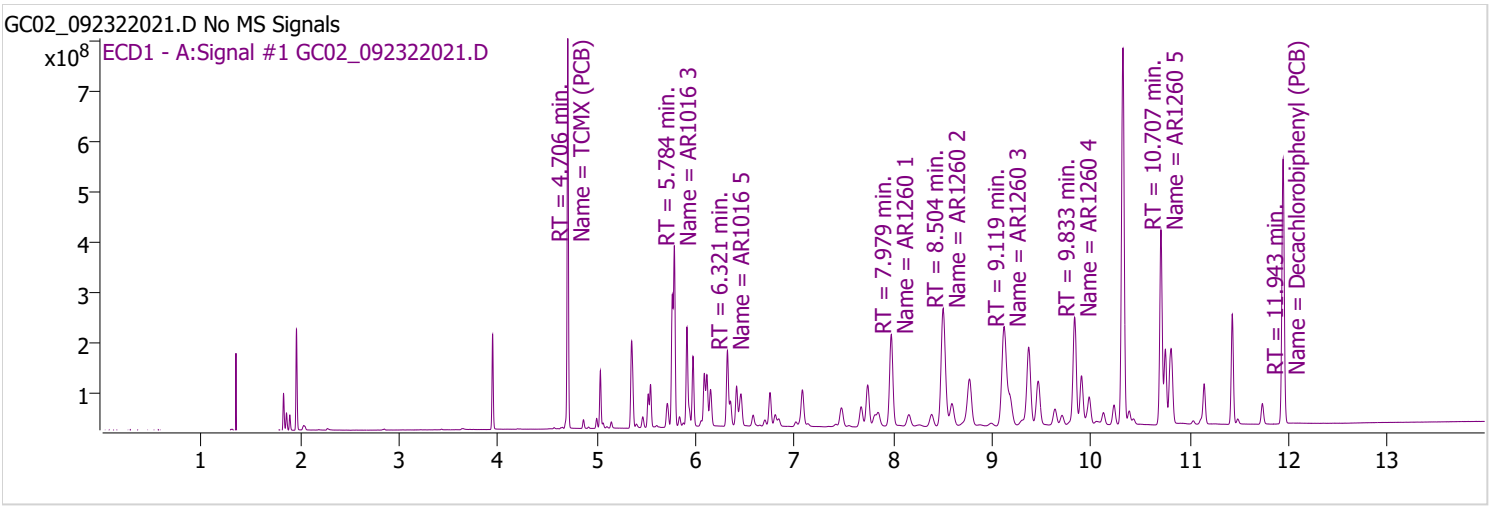


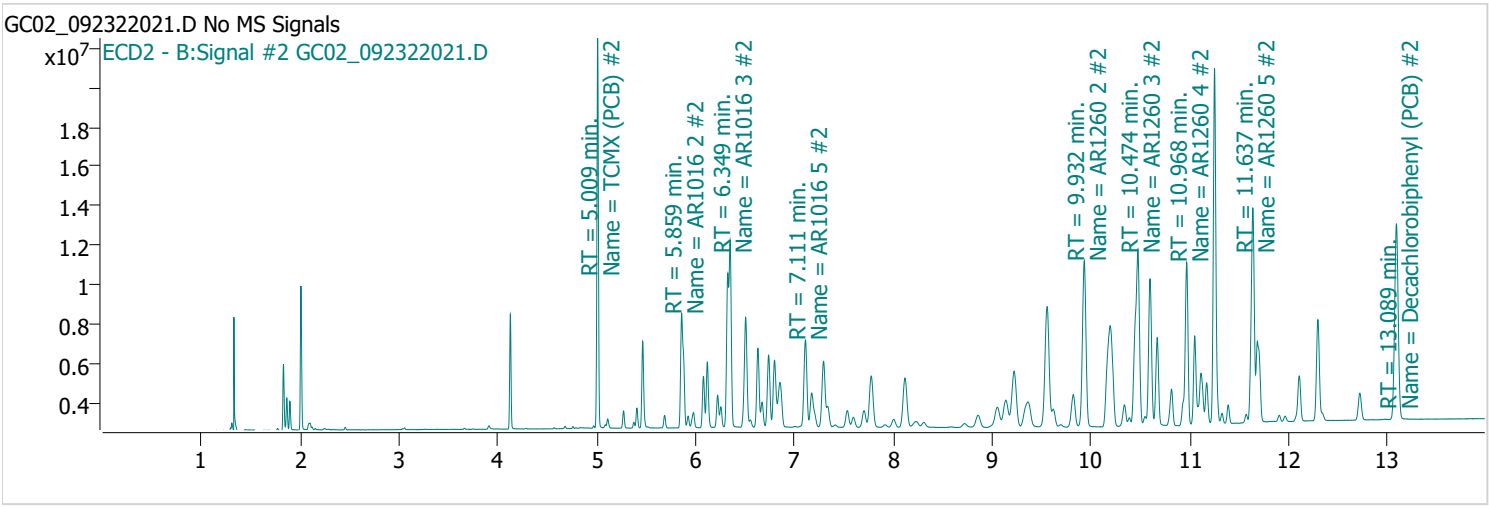
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	58.3812	13.09	0.00	20903782				



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			



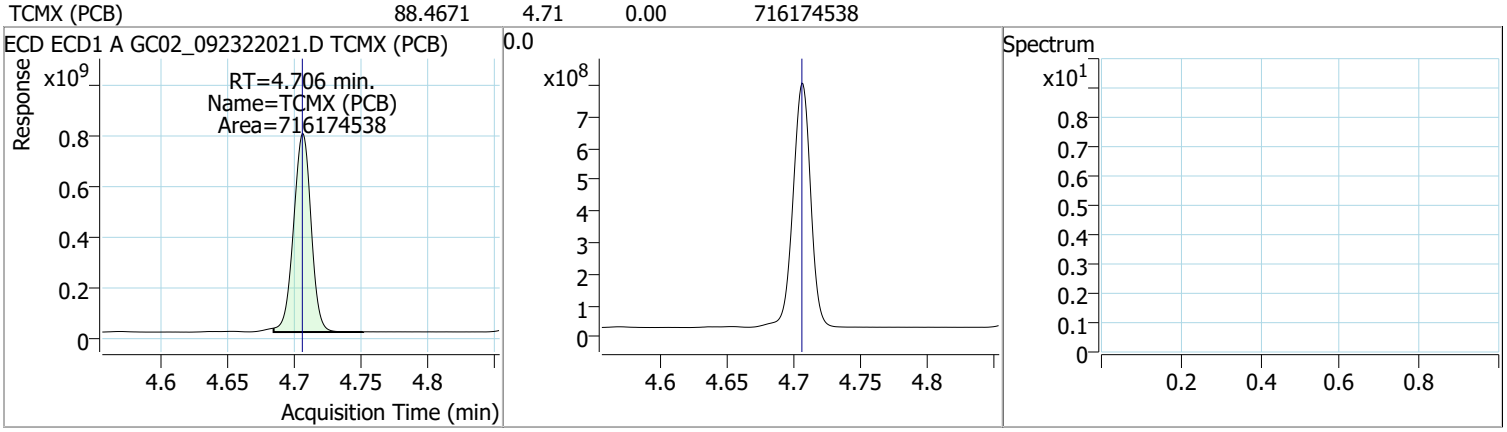


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	166845503.623	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	5529659.043	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	716174538.425	88.4671	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

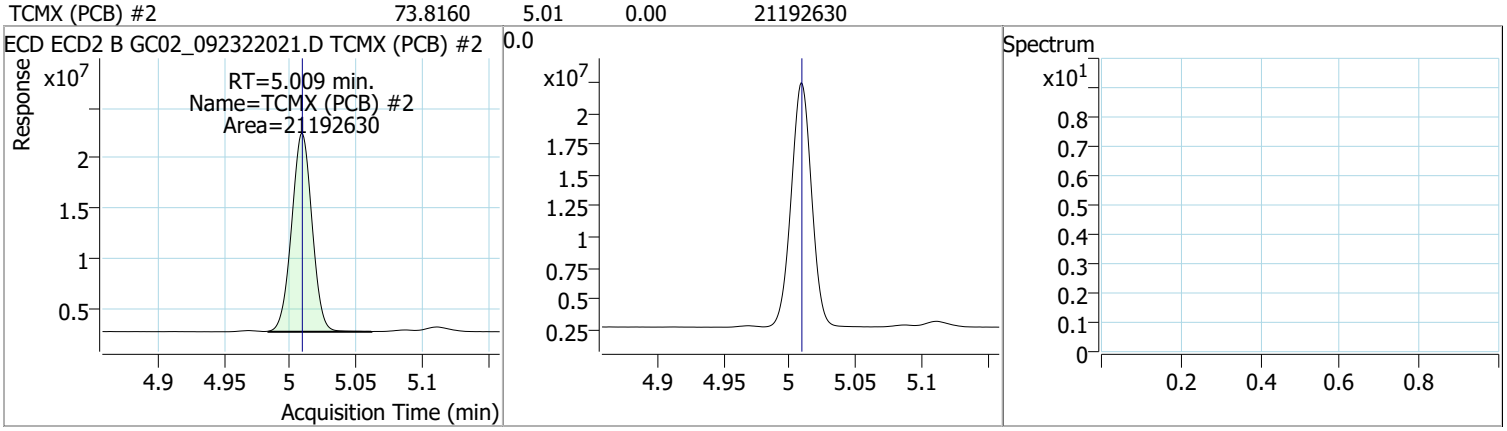
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.036	0.0	118114250.522	971.2592	ng/ml		100
T AR1016 2	5.353	0.0	261203079.044	996.2814	ng/ml		100
T AR1016 1 #2	5.464	0.0	5821263.414	880.5830	ng/ml		100
T AR1016 3	5.784	0.0	432802317.814	1069.7039	ng/ml	m	100
T AR1016 2 #2	5.859	0.0	12131733.378	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

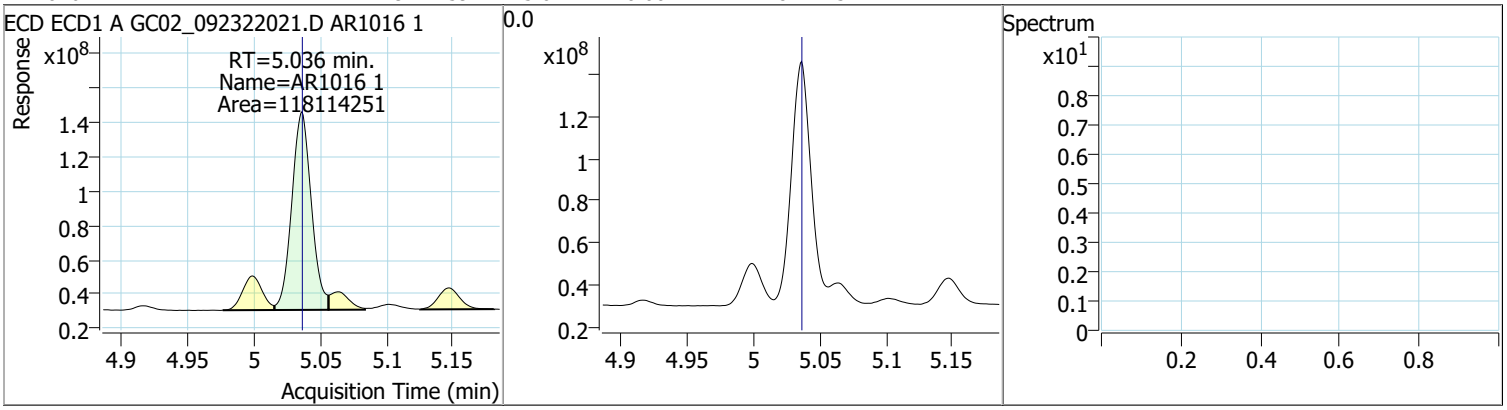
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	88.4671	4.71	0.00	716174538				



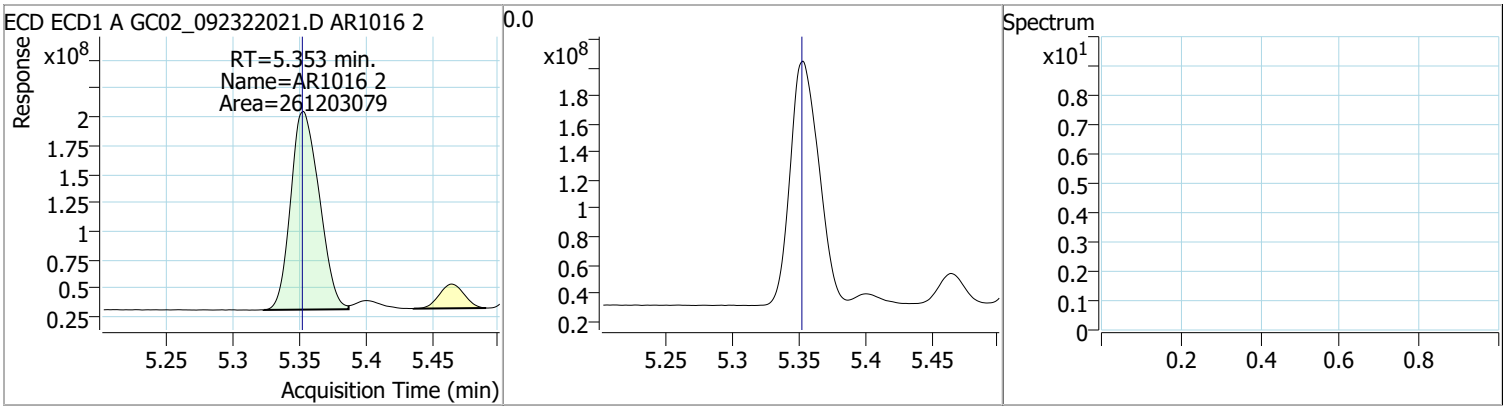
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	73.8160	5.01	0.00	21192630				



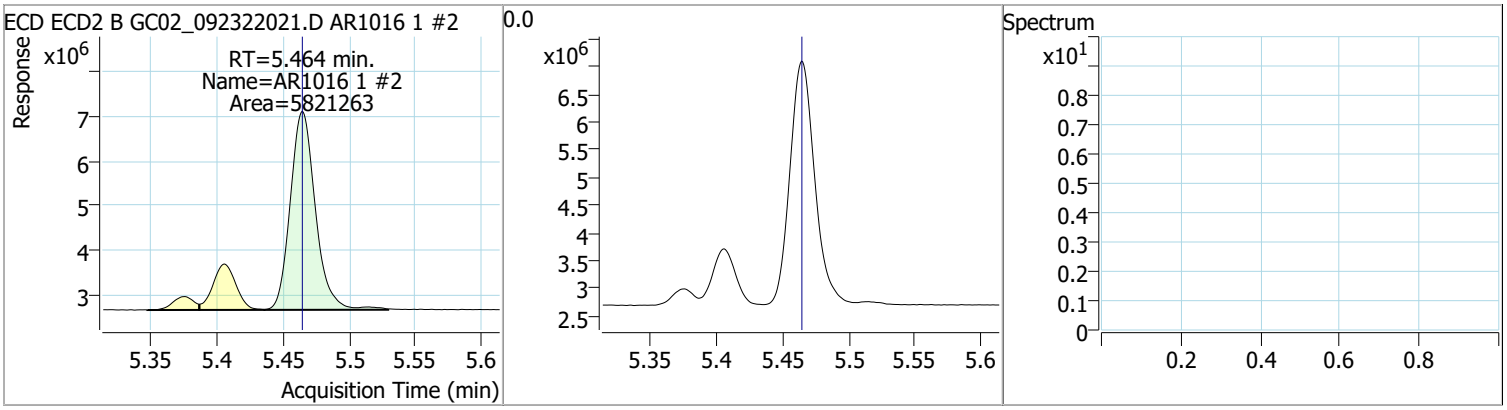
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	971.2592	5.04	0.00	118114251				



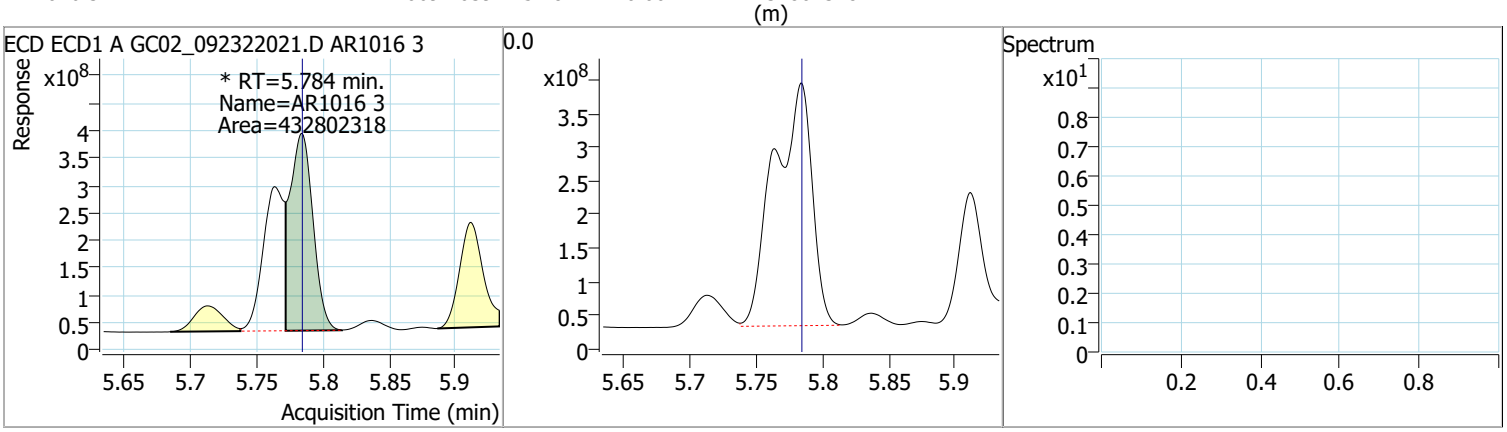
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	996.2814	5.35	0.00	261203079				



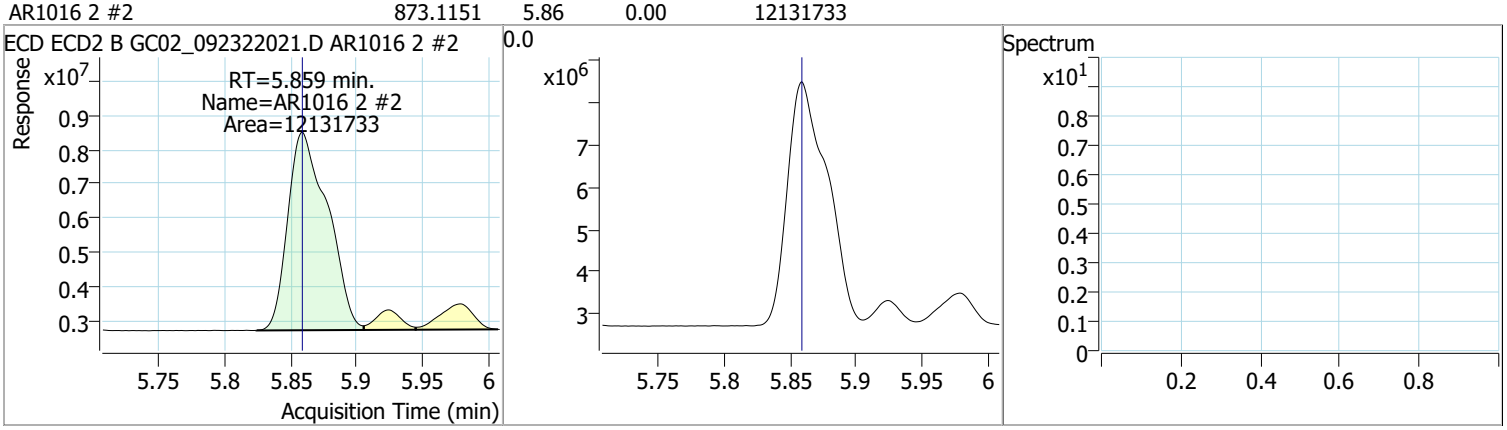
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	880.5830	5.46	0.00	5821263				



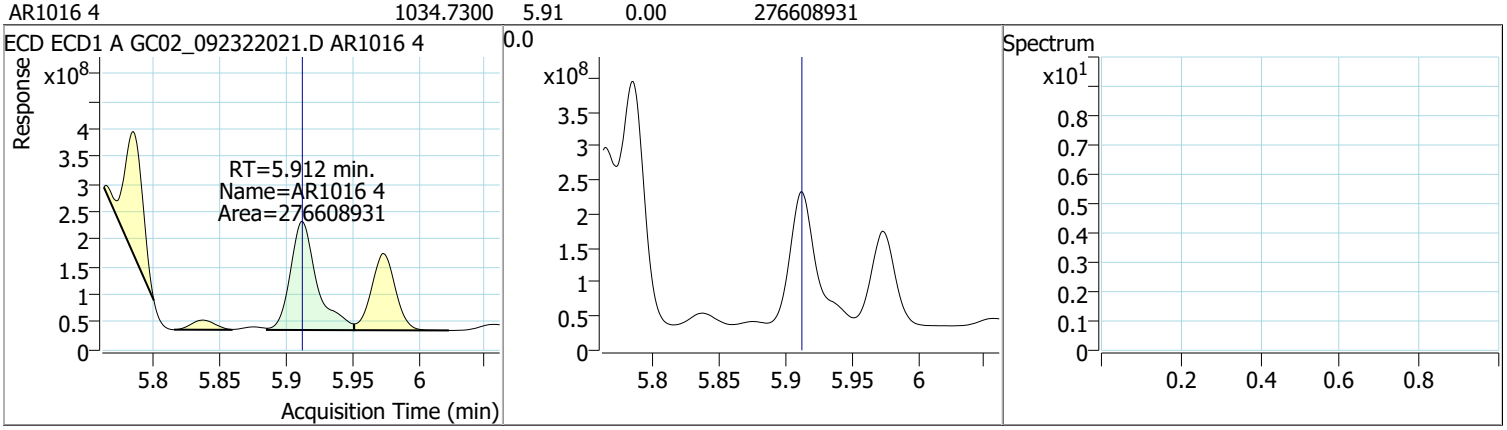
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1069.7039	5.78	0.00	432802318 (m)				



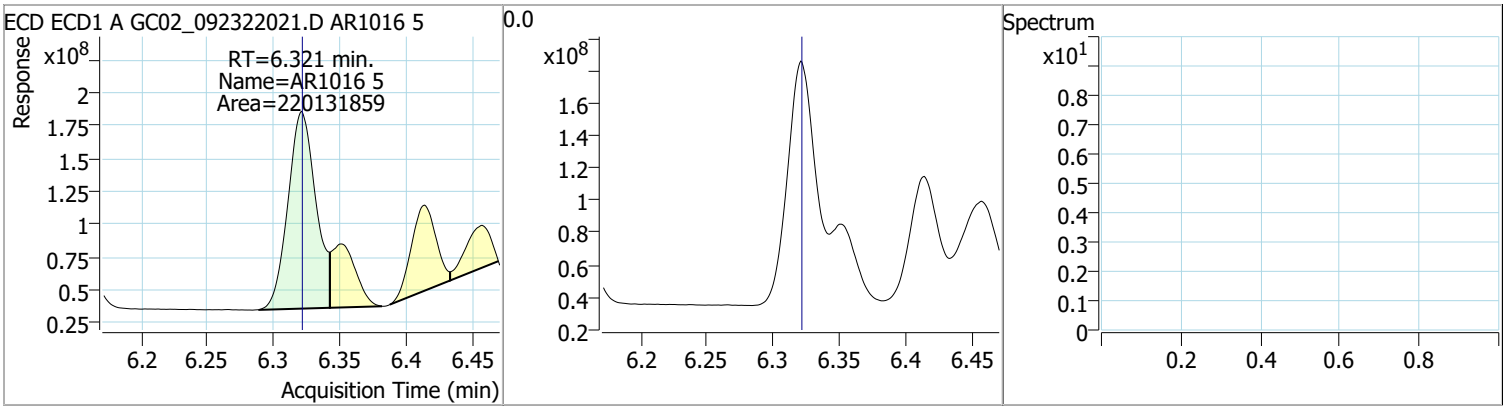
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	873.1151	5.86	0.00	12131733				



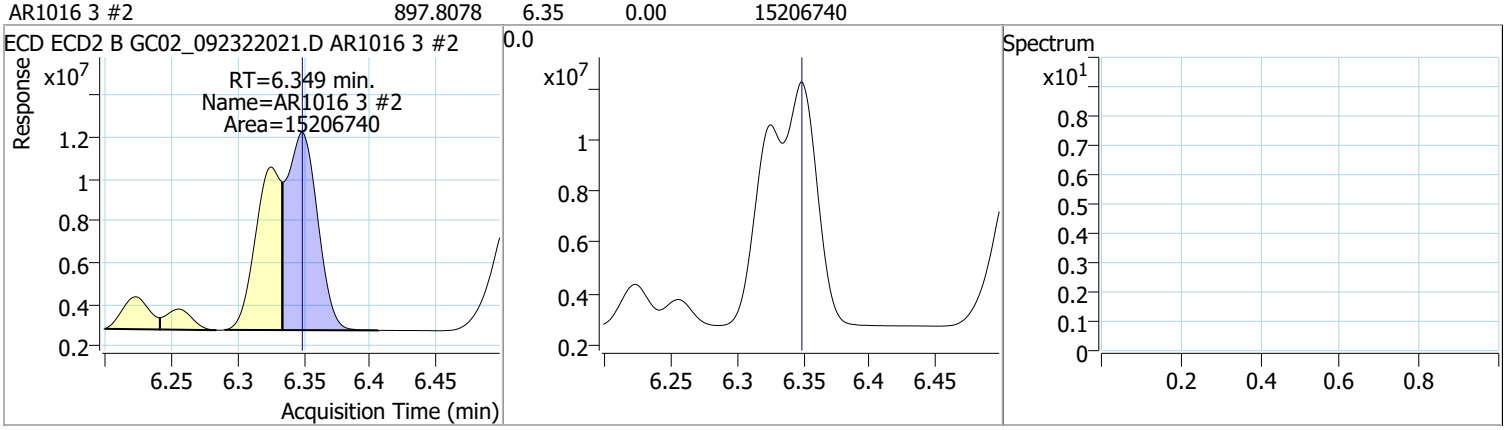
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1034.7300	5.91	0.00	276608931				



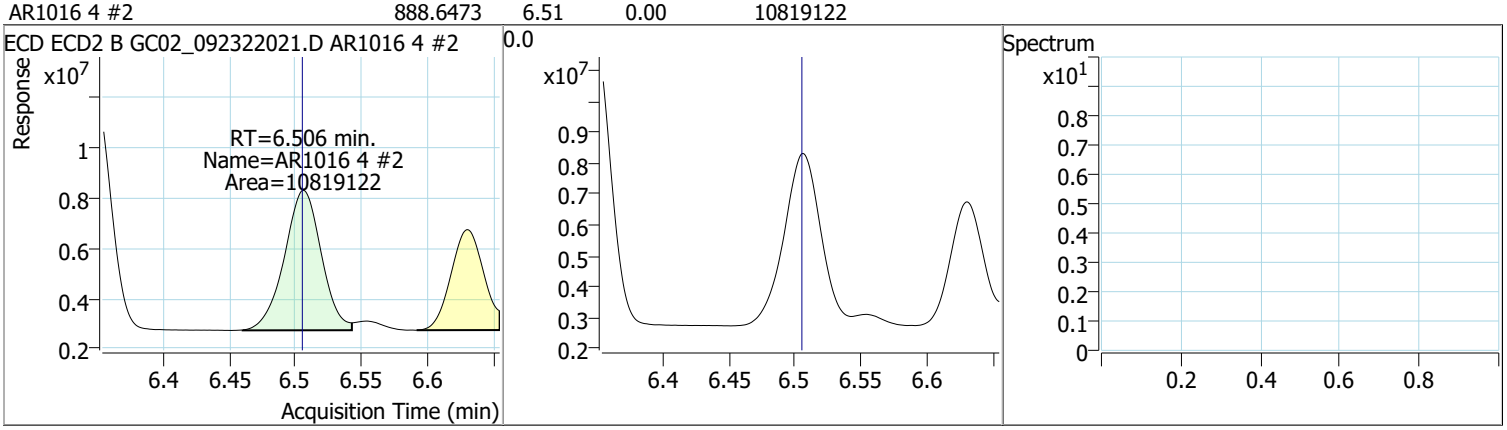
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1023.2686	6.32	0.00	220131859				



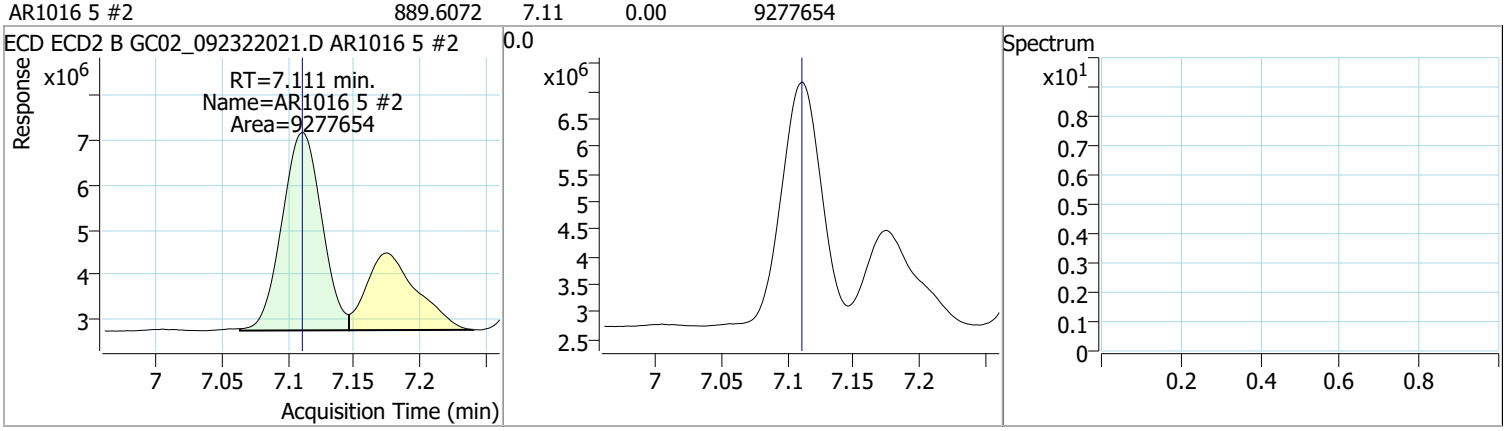
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AR1016 3 #2	897.8078	6.35	0.00	15206740				



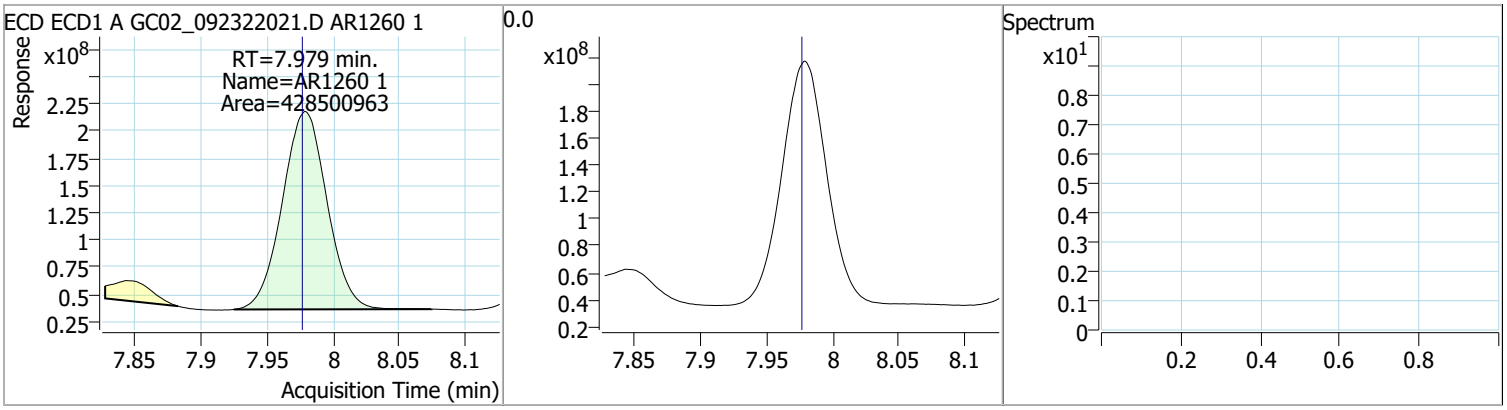
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	888.6473	6.51	0.00	10819122				



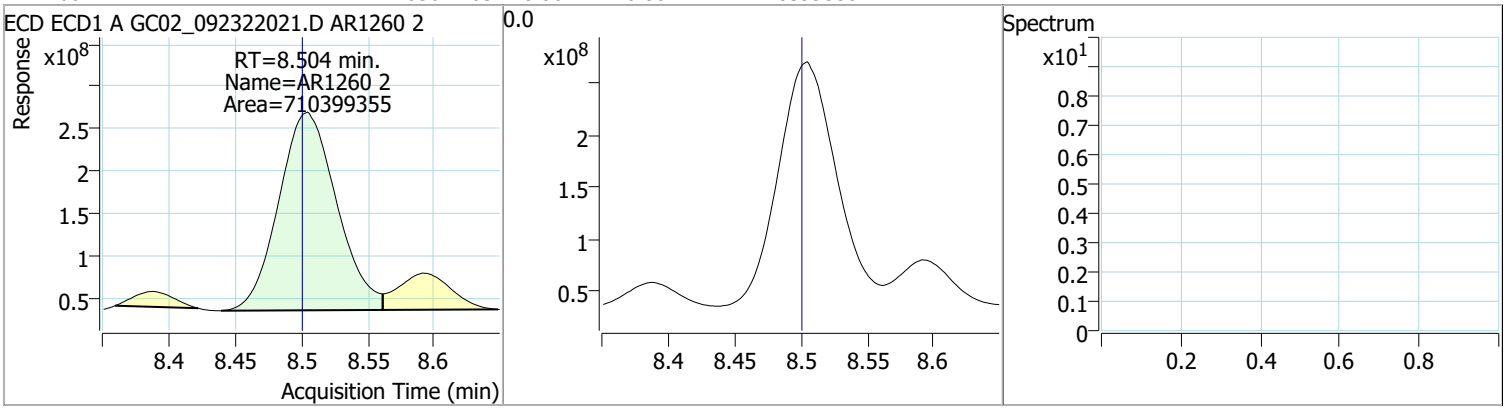
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	889.6072	7.11	0.00	9277654				



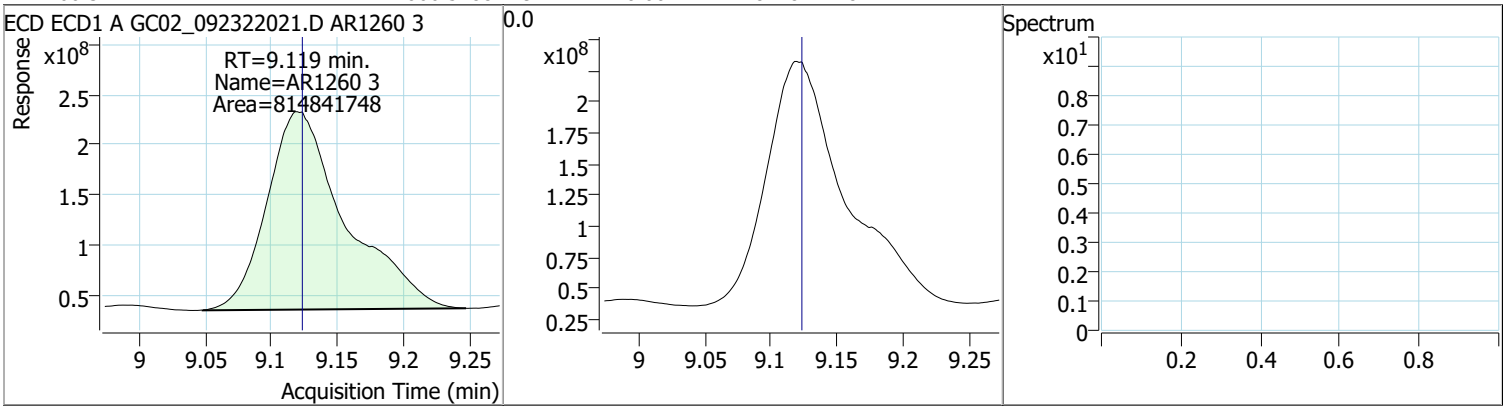
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1013.3879	7.98	0.00	428500963				



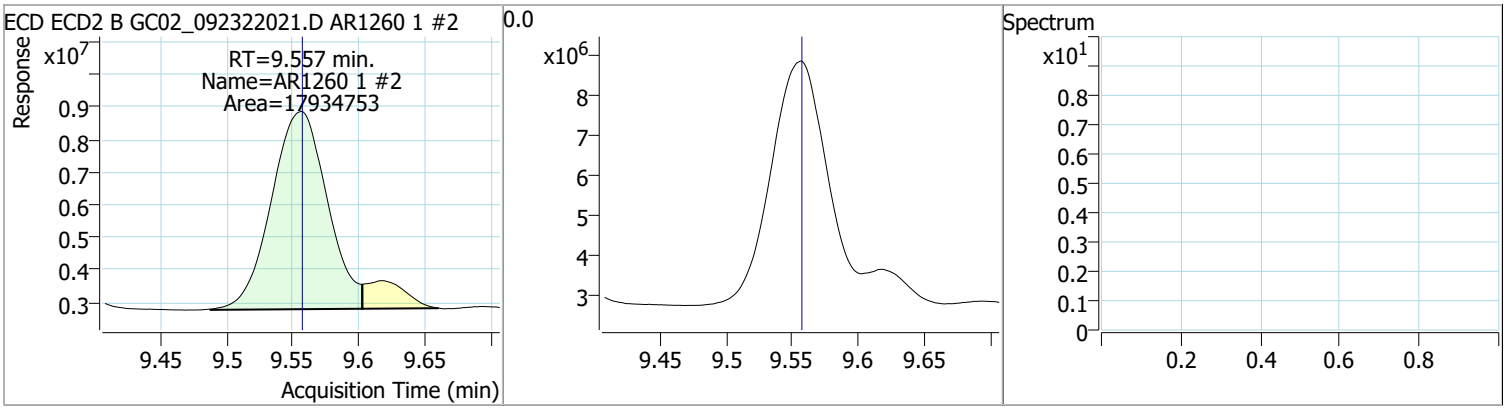
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1036.7403	8.50	0.00	710399355				



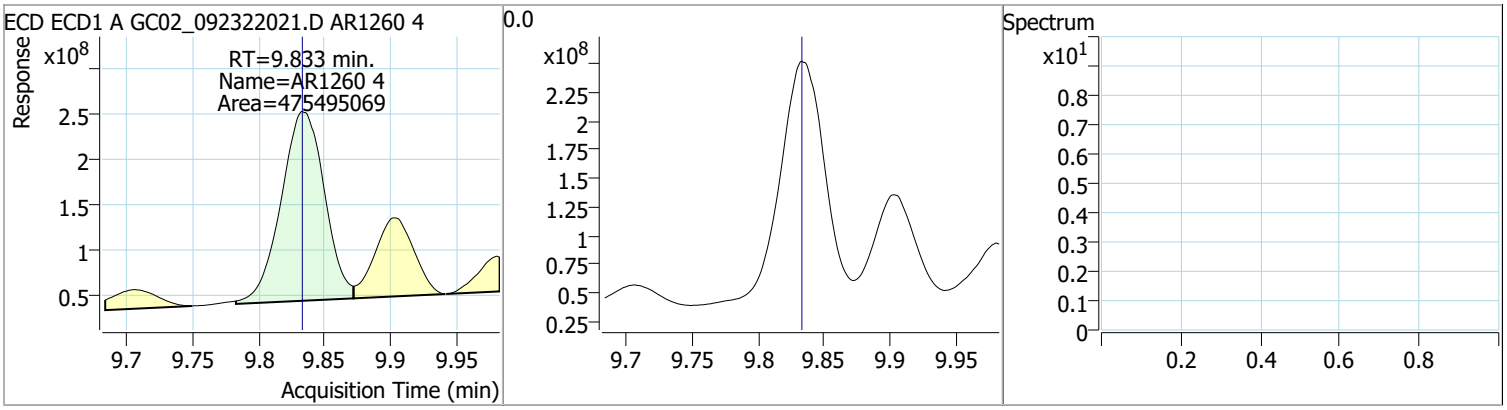
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1066.5188	9.12	0.00	814841748				



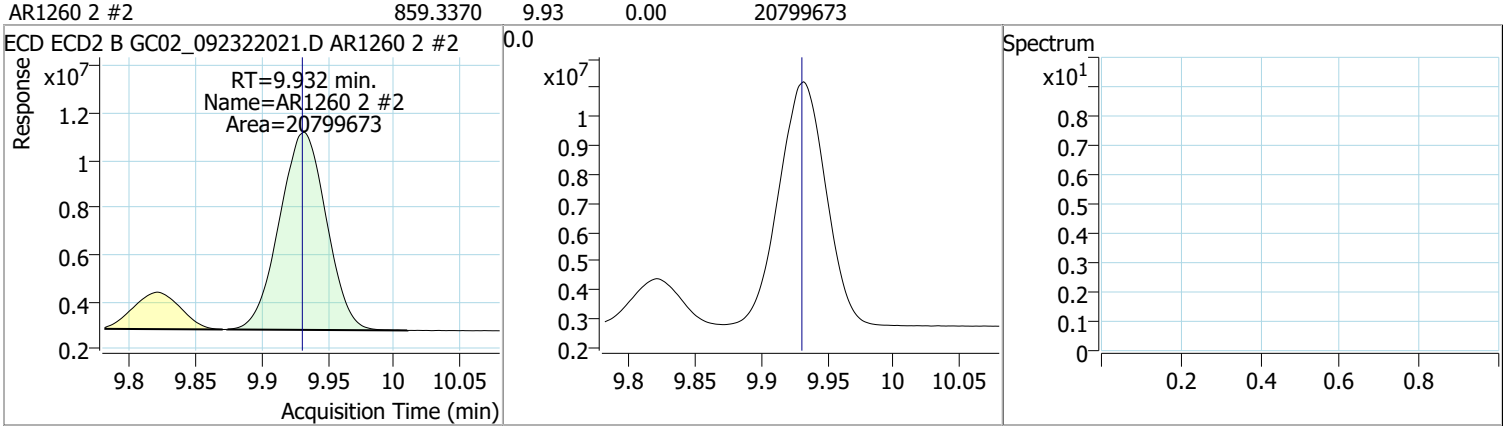
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	864.0924	9.56	0.00	17934753				



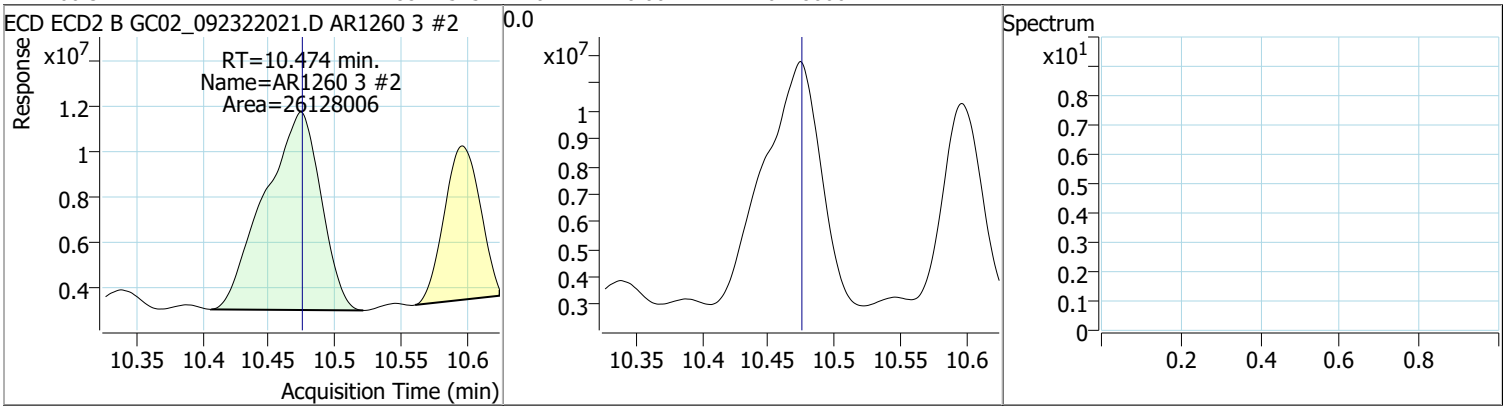
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1112.9081	9.83	0.00	475495069				



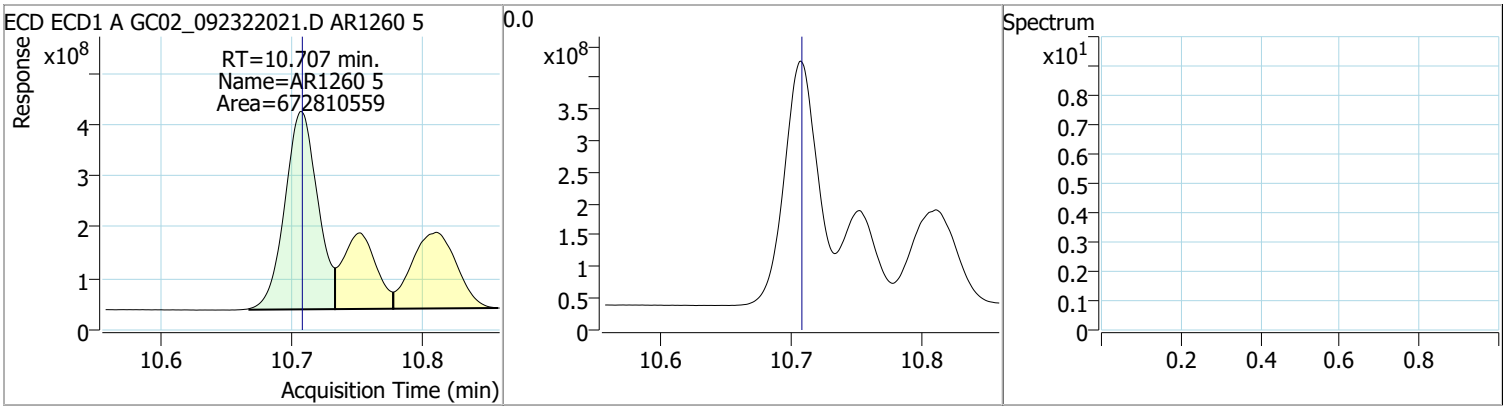
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	859.3370	9.93	0.00	20799673				



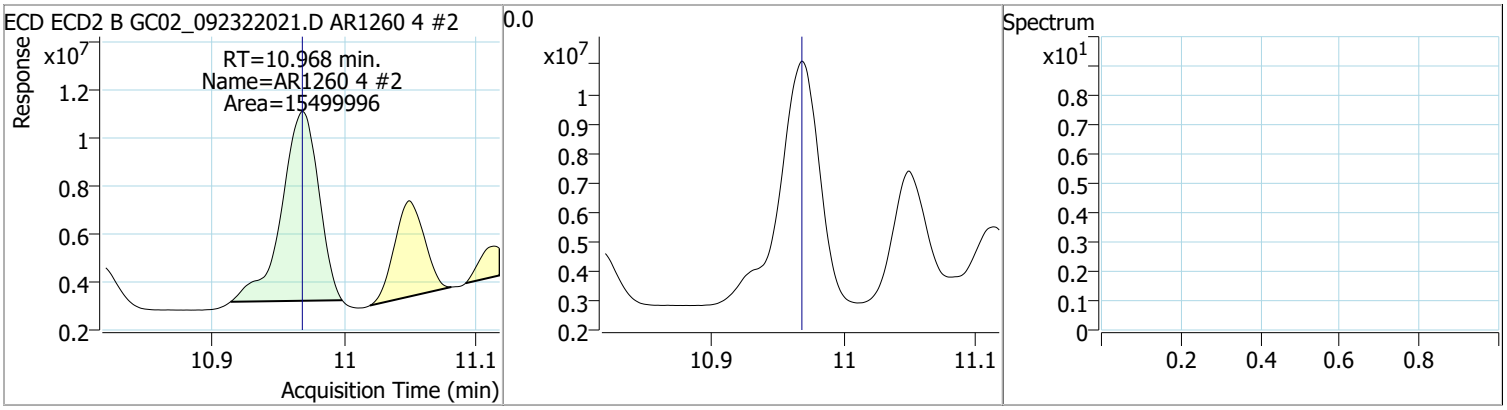
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	882.4545	10.47	0.00	26128006				



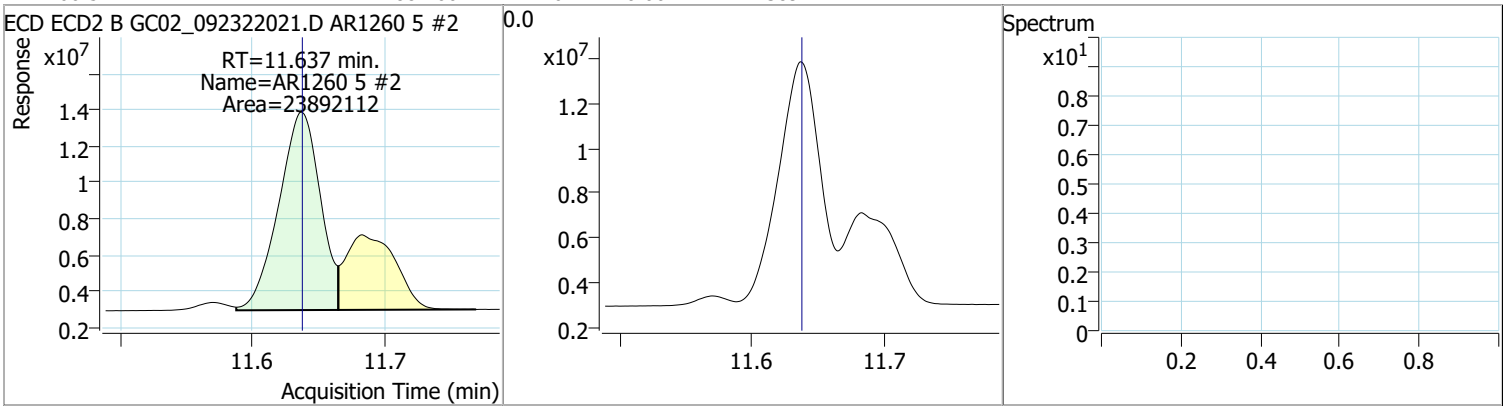
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1147.8912	10.71	0.00	672810559				



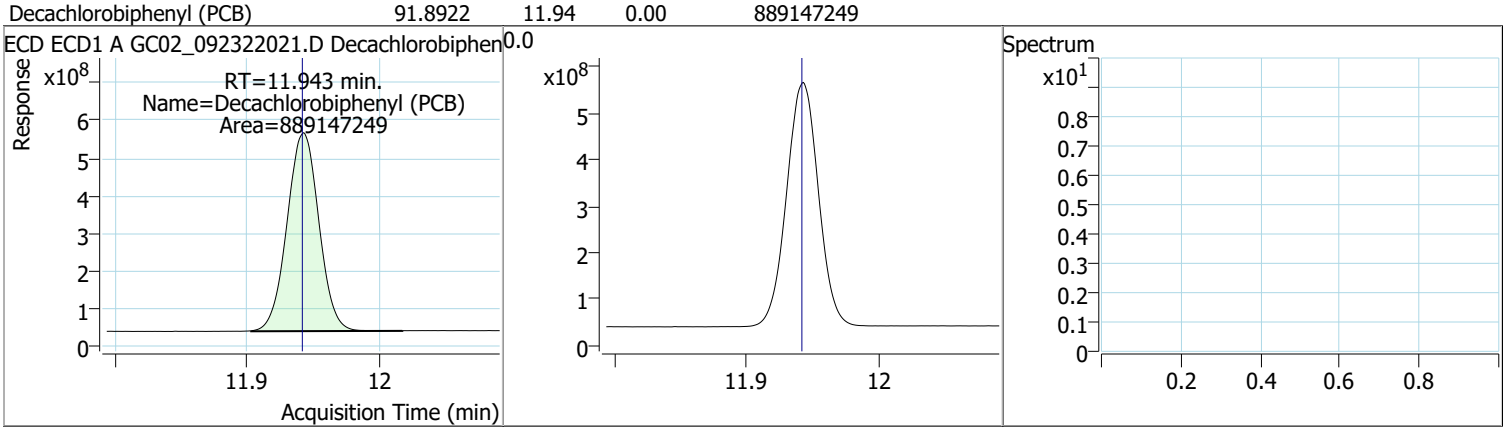
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	857.6674	10.97	0.00	15499996				



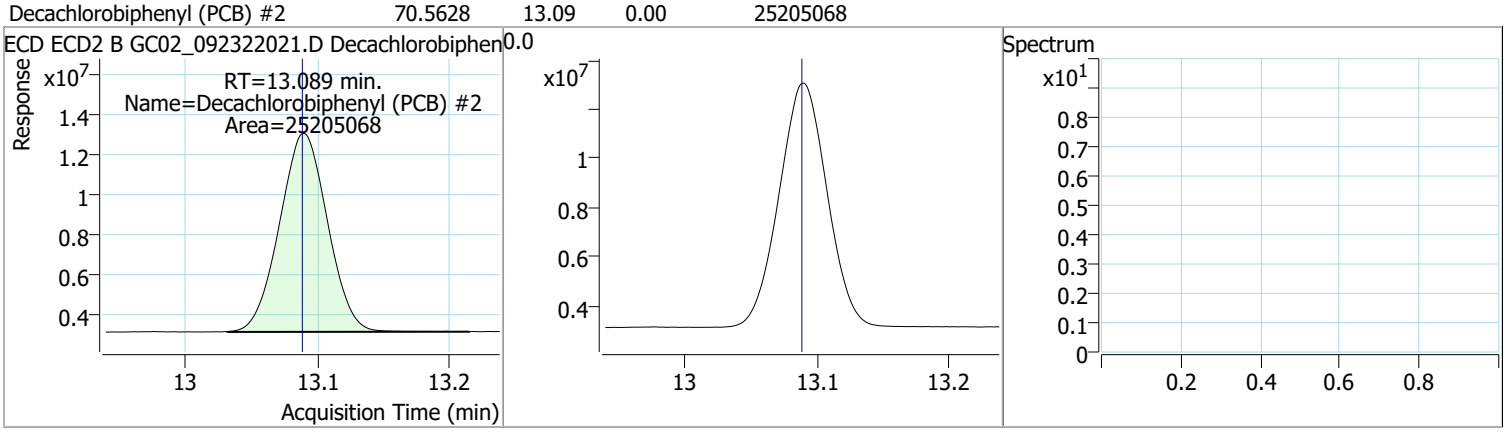
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	881.0072	11.64	0.00	23892112				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	91.8922	11.94	0.00	889147249				

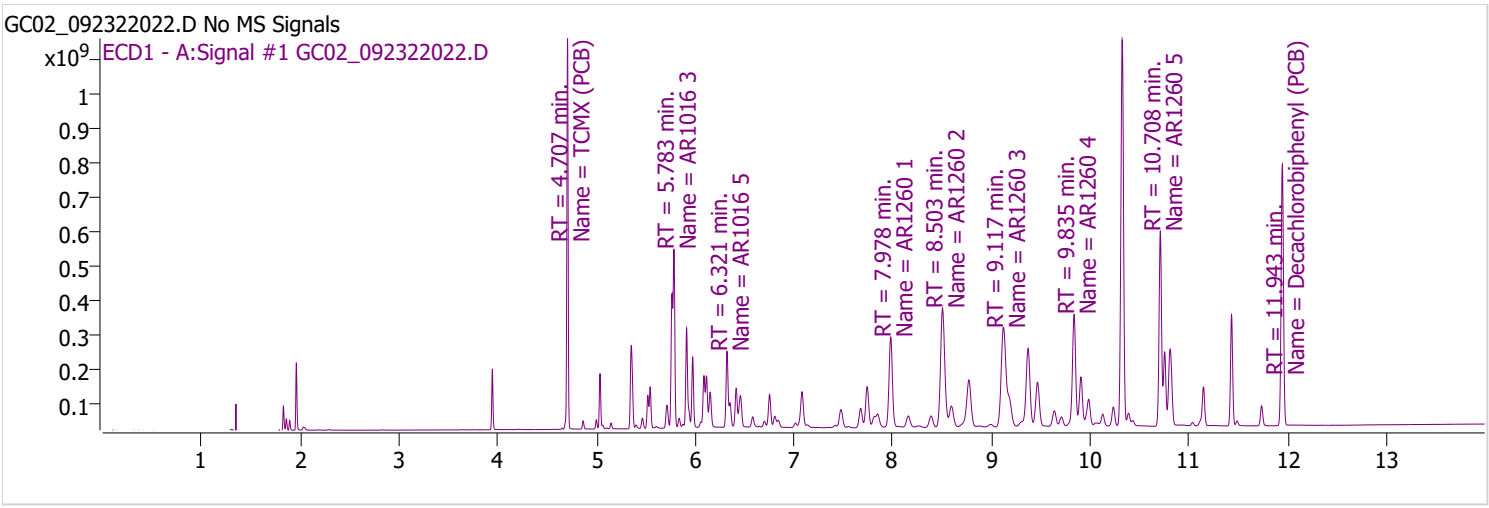


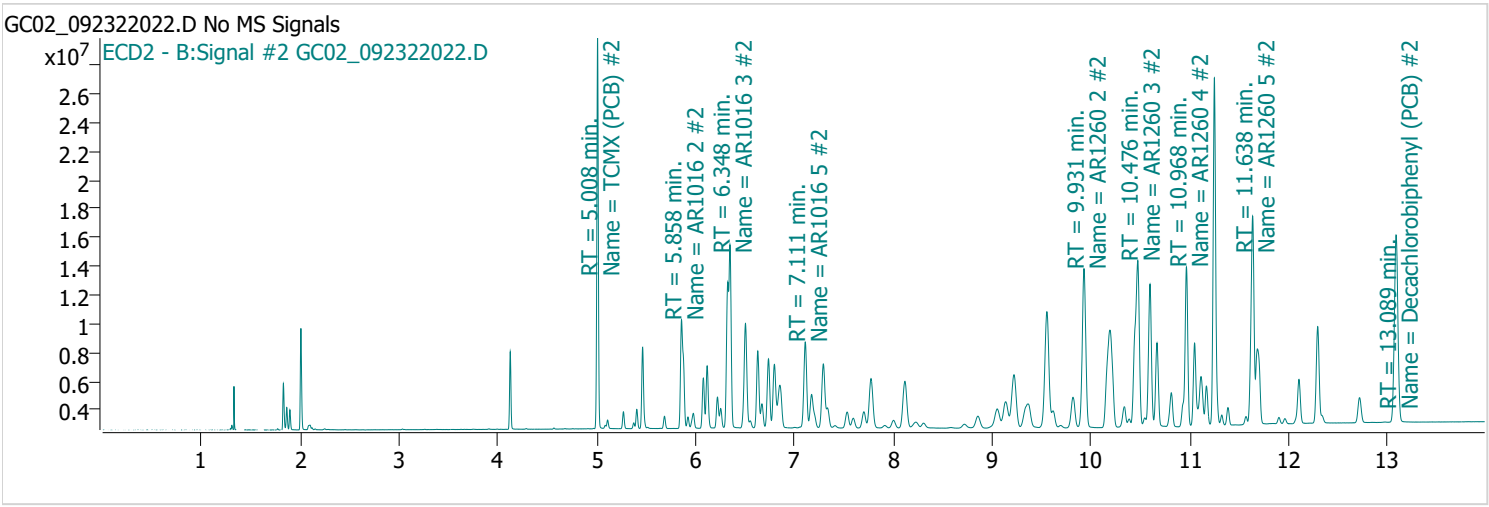
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	70.5628	13.09	0.00	25205068				



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			



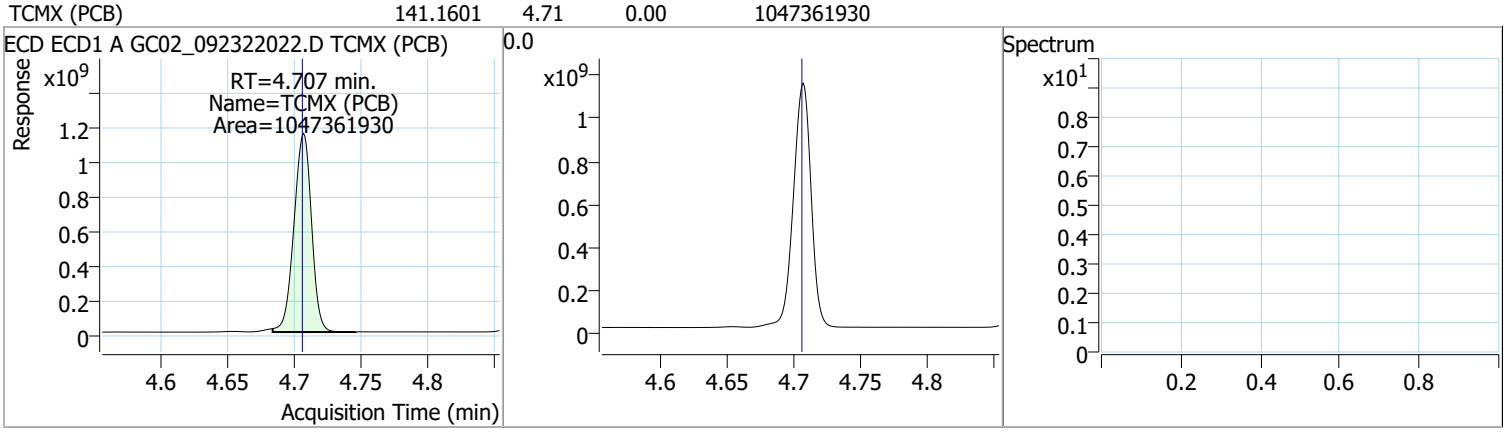


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	152919318.943	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.125	0.0	5153749.604	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.707	0.0	1047361929.686	141.1601	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

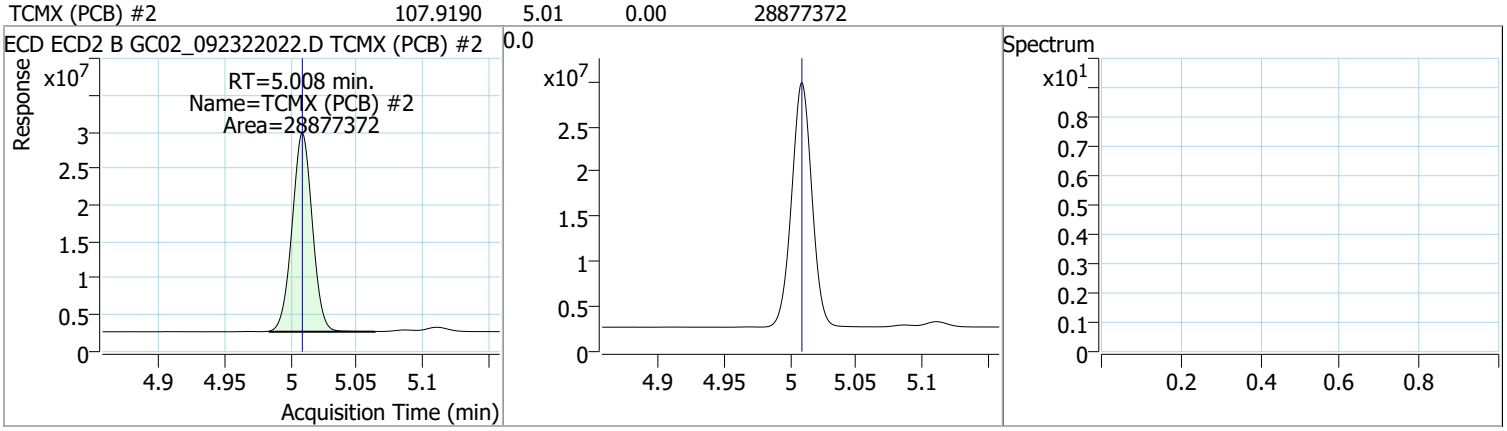
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.035	0.0	165933826.898	1488.7437	ng/ml		100
T AR1016 2	5.352	0.0	367403419.665	1528.9704	ng/ml		100
T AR1016 1 #2	5.465	0.0	7542636.362	1224.1969	ng/ml		100
T AR1016 3	5.783	0.0	649099380.817	1750.4001	ng/ml		100
T AR1016 2 #2	5.858	0.0	15861357.658	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

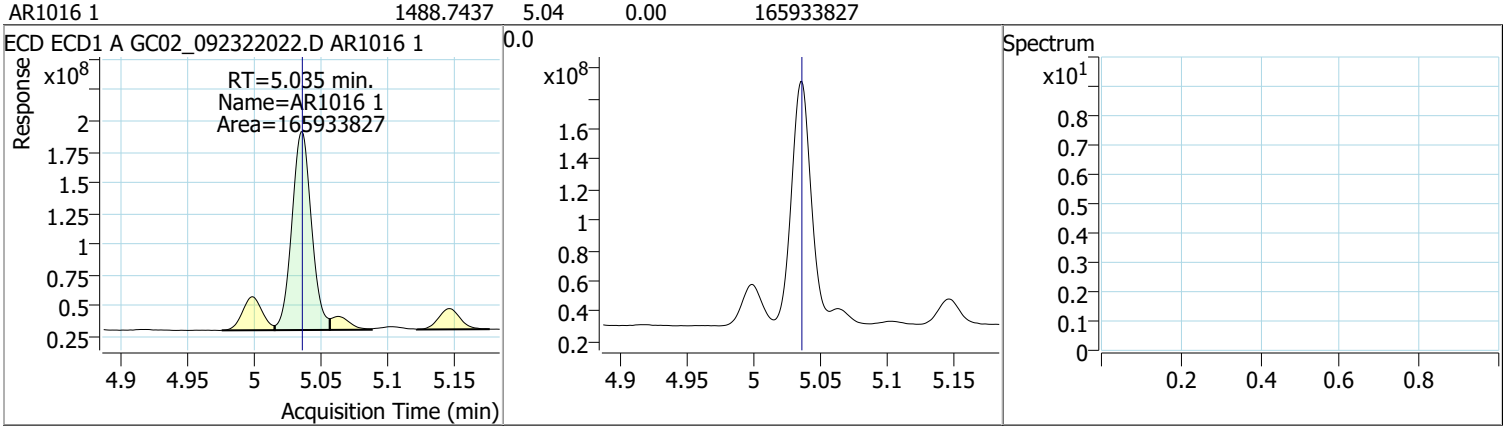
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	141.1601	4.71	0.00	1047361930				



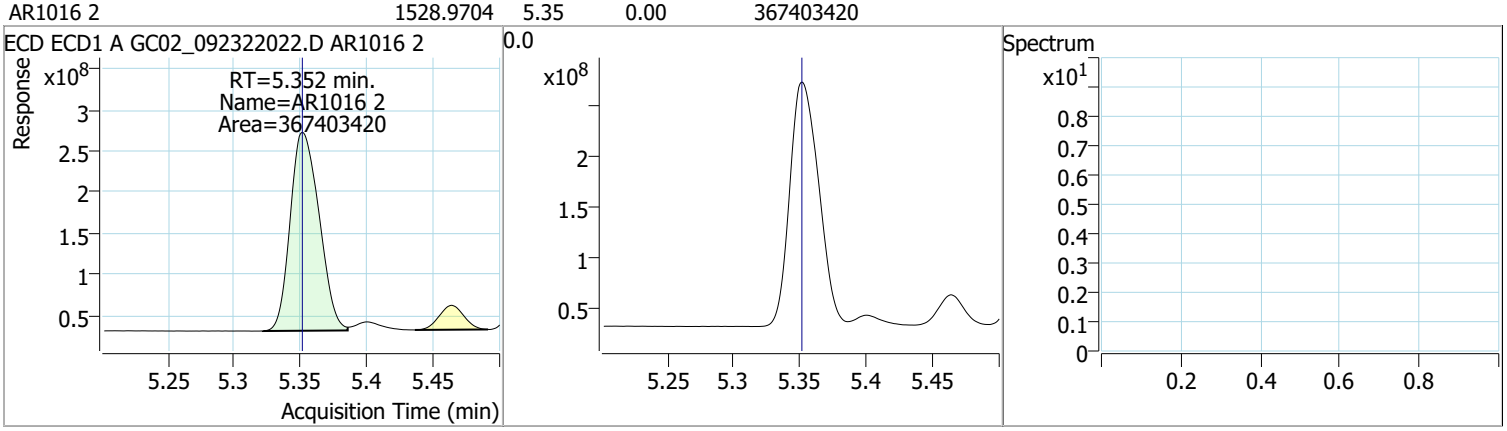
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	107.9190	5.01	0.00	28877372				



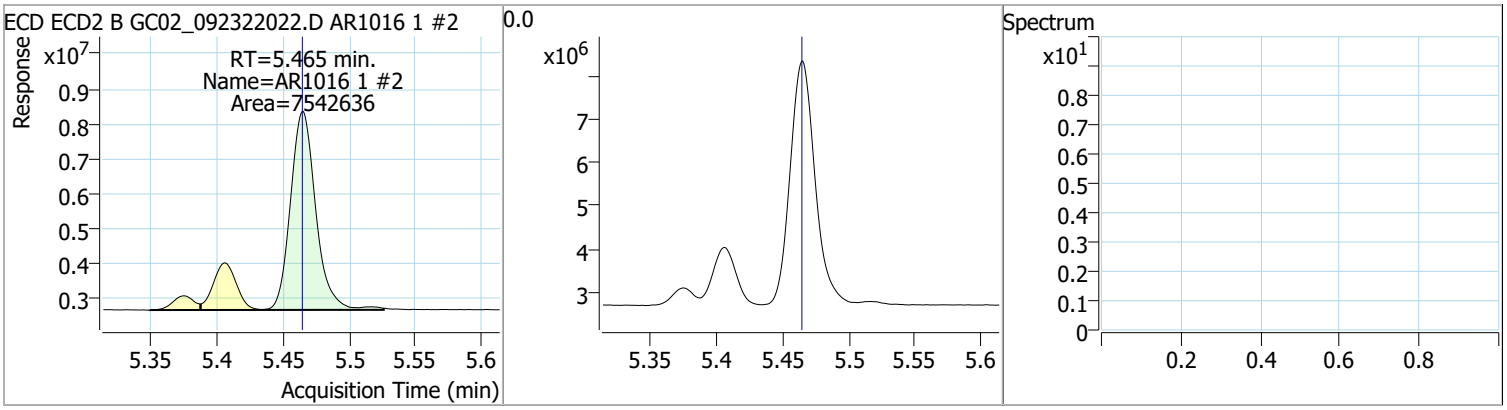
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1488.7437	5.04	0.00	165933827				



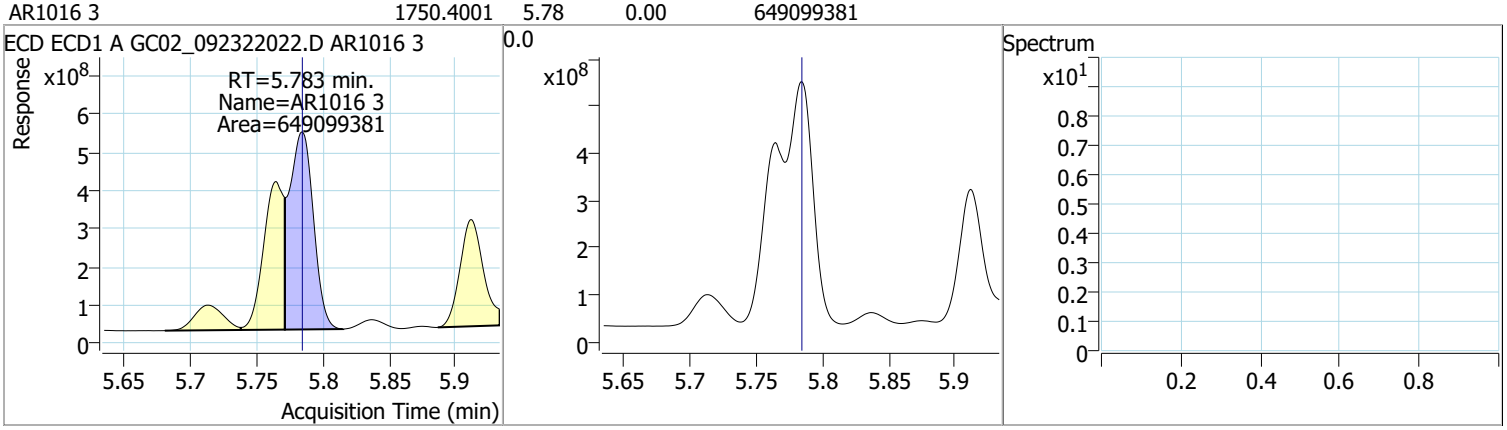
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1528.9704	5.35	0.00	367403420				



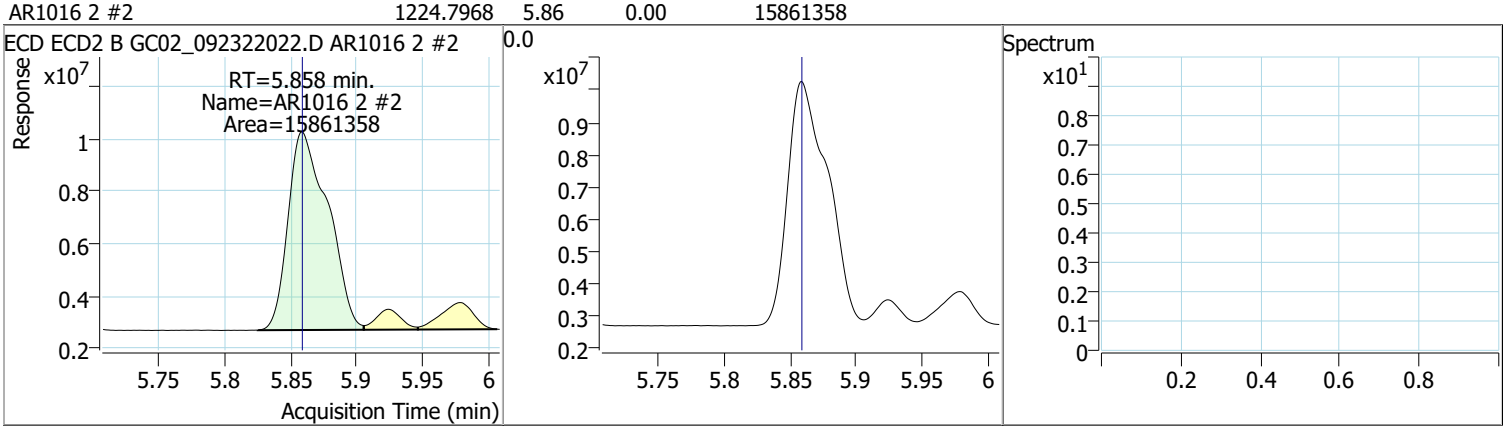
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1224.1969	5.47	0.00	7542636				



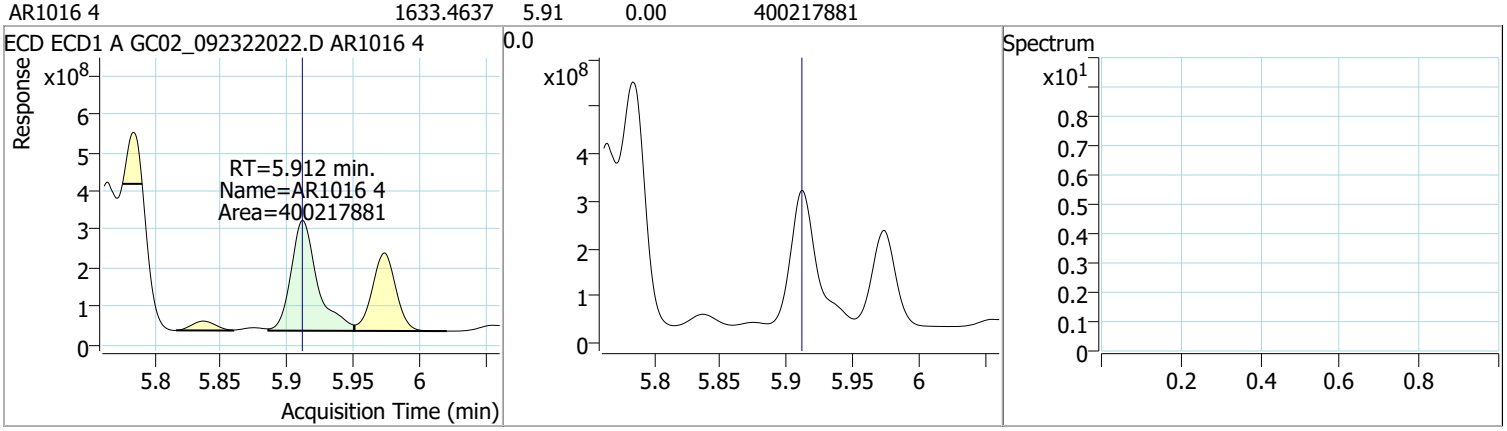
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1750.4001	5.78	0.00	649099381				



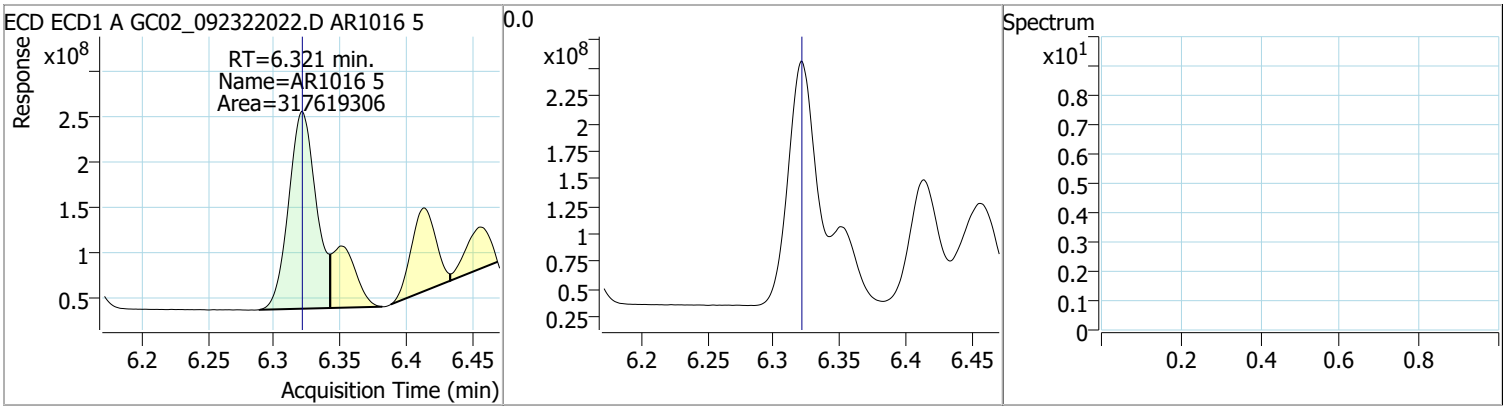
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1224.7968	5.86	0.00	15861358				



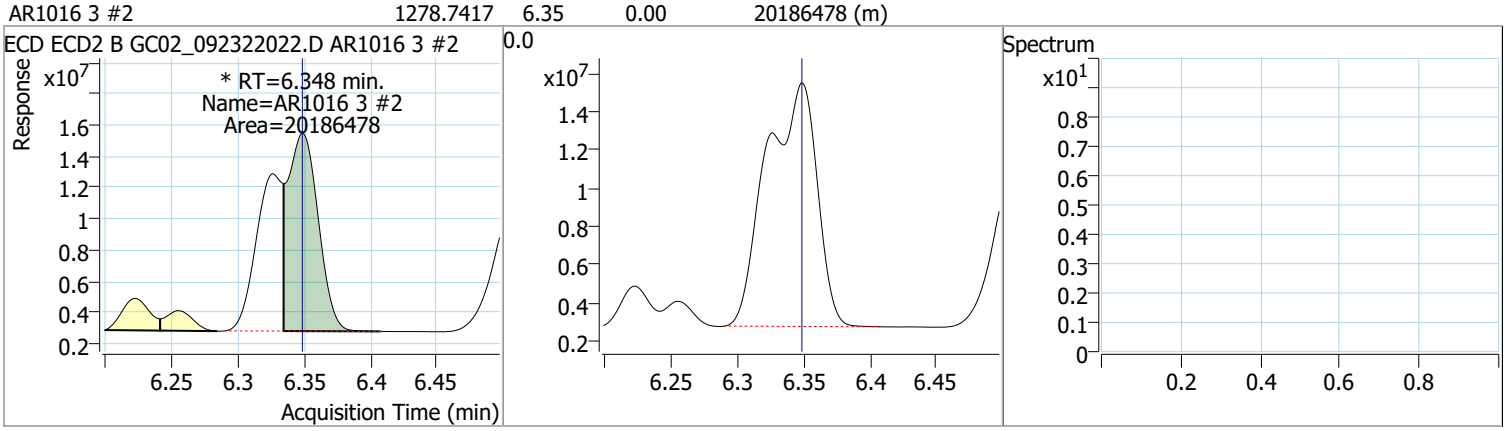
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1633.4637	5.91	0.00	400217881				



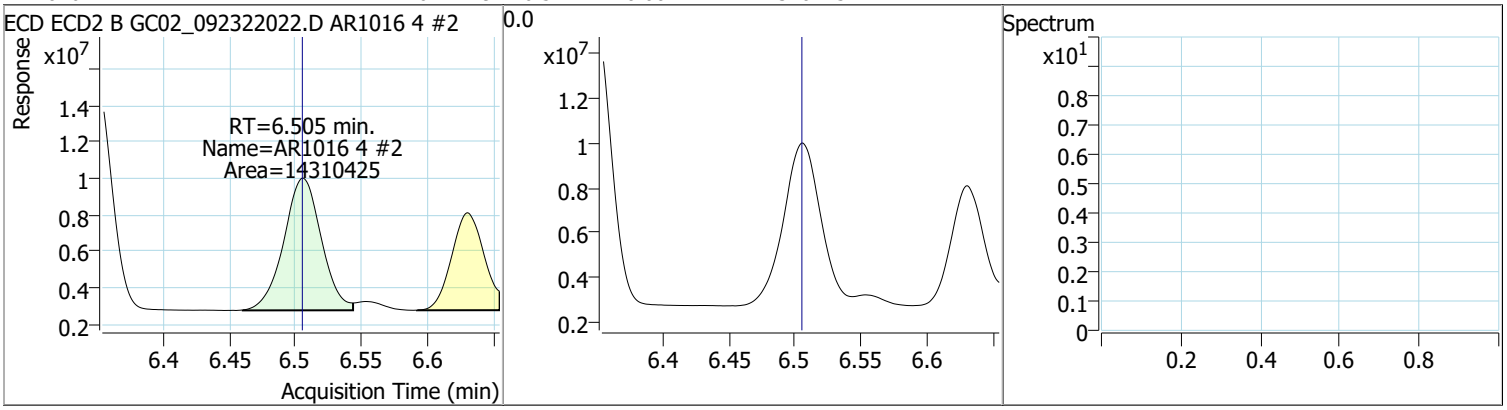
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1610.8896	6.32	0.00	317619306				



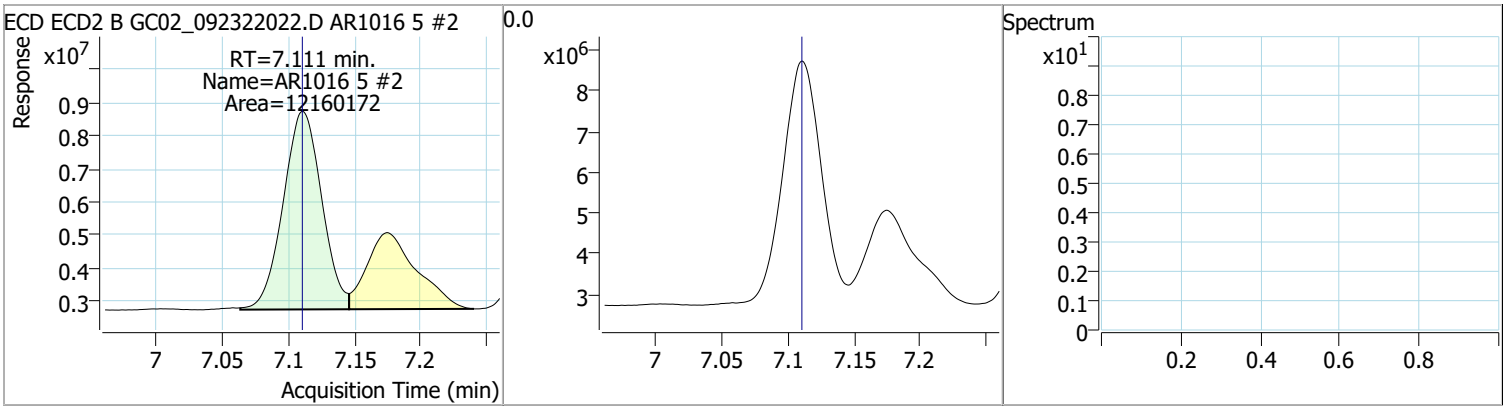
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1278.7417	6.35	0.00	20186478 (m)				



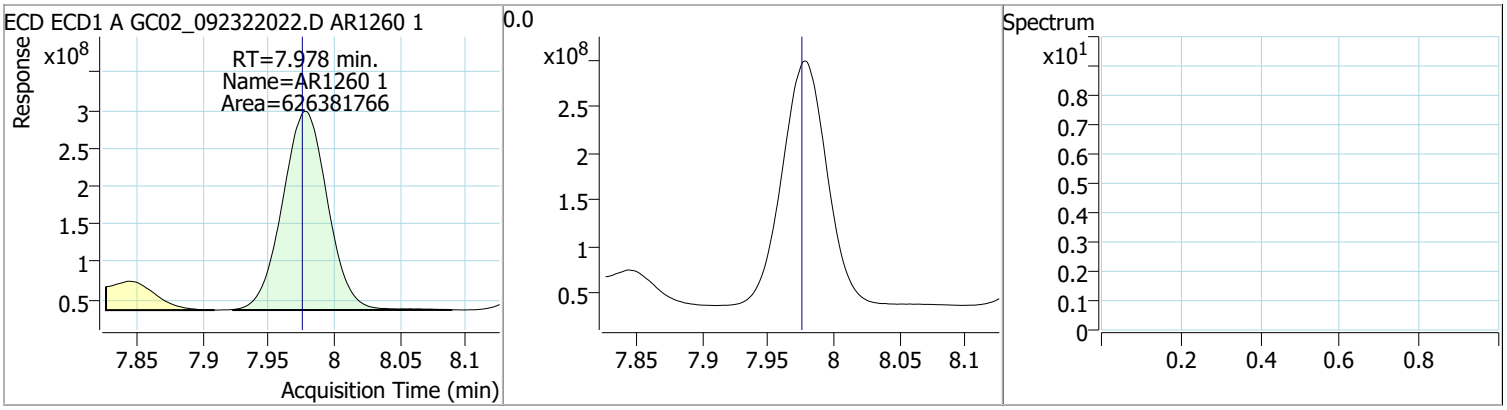
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1261.1449	6.51	0.00	14310425				



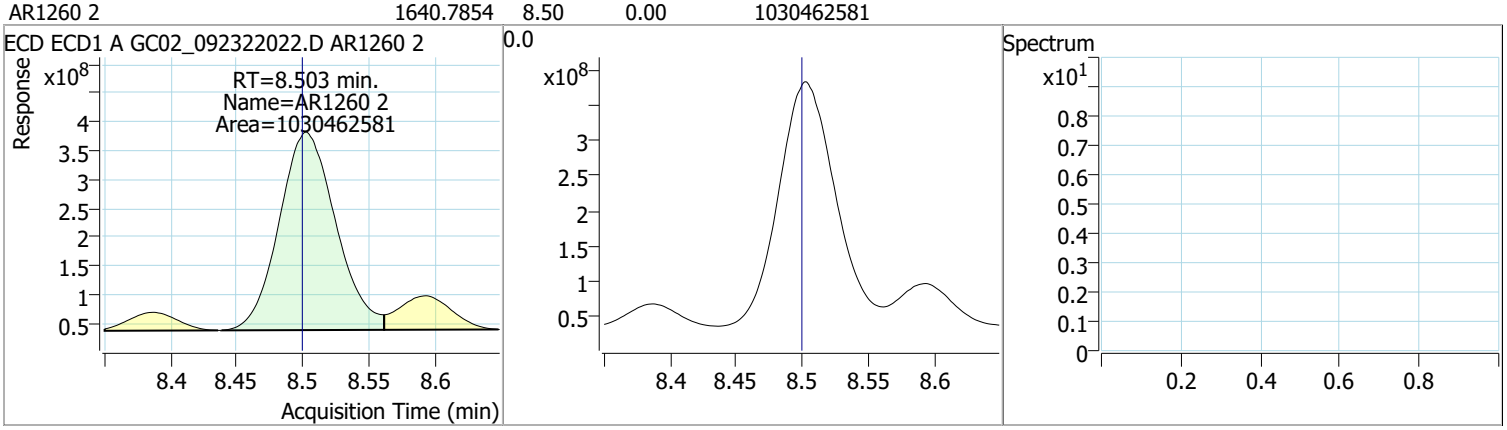
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1251.0505	7.11	0.00	12160172				



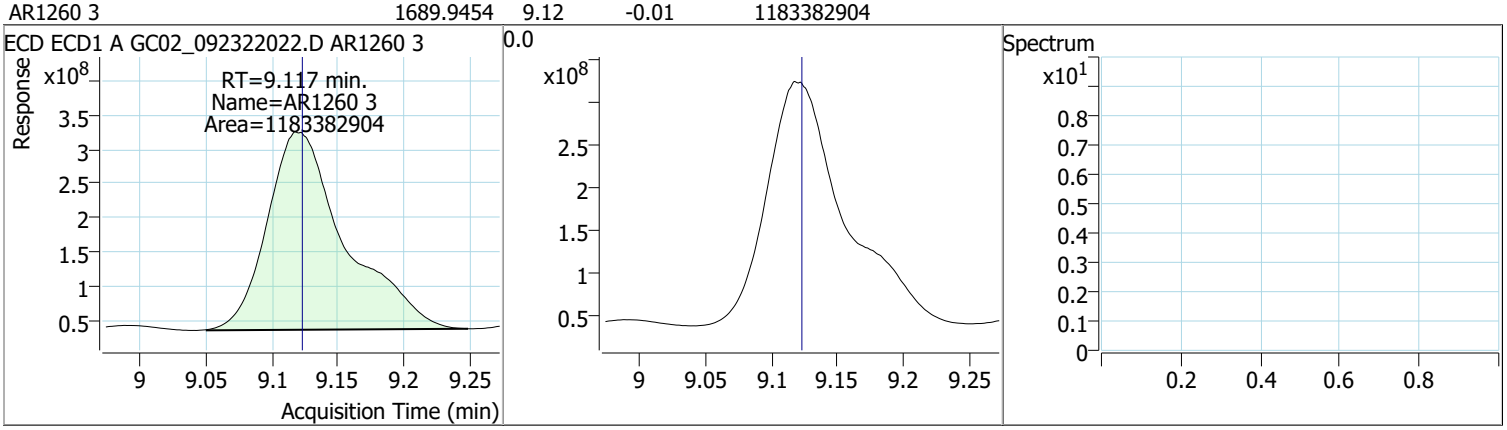
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1616.2748	7.98	0.00	626381766				



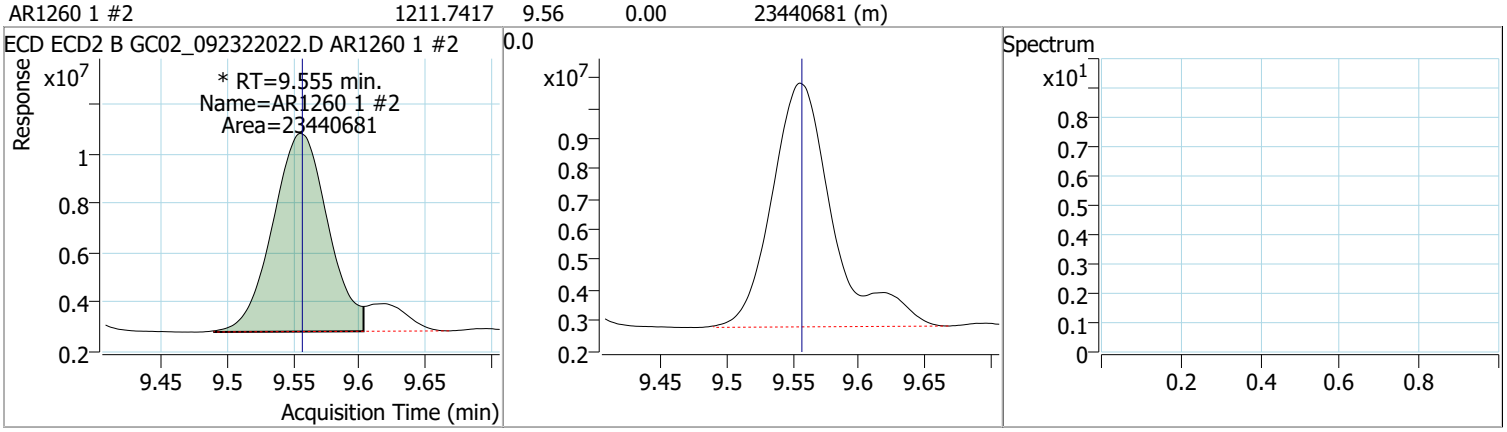
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1640.7854	8.50	0.00	1030462581				



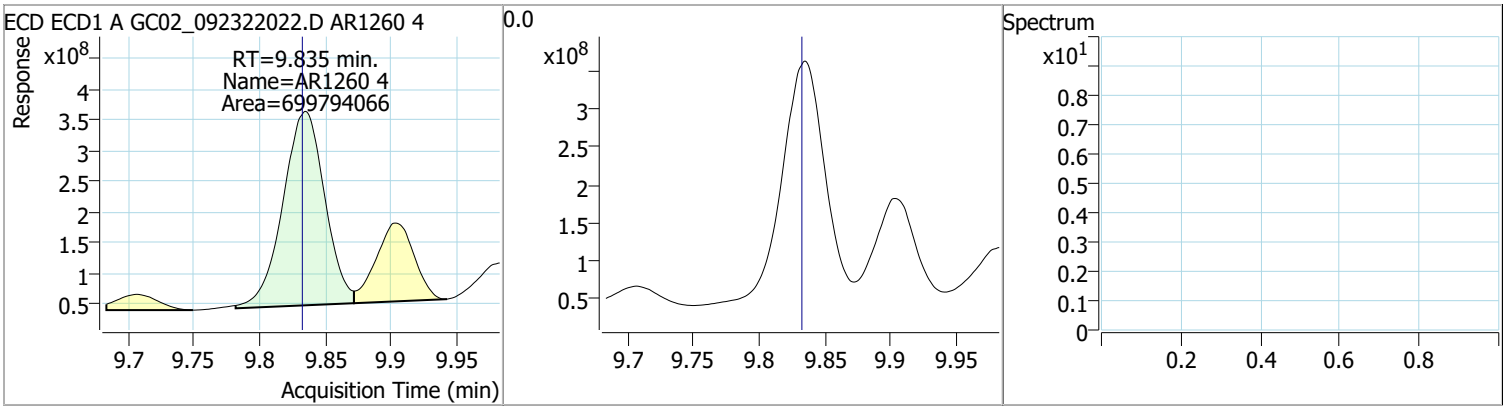
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1689.9454	9.12	-0.01	1183382904				



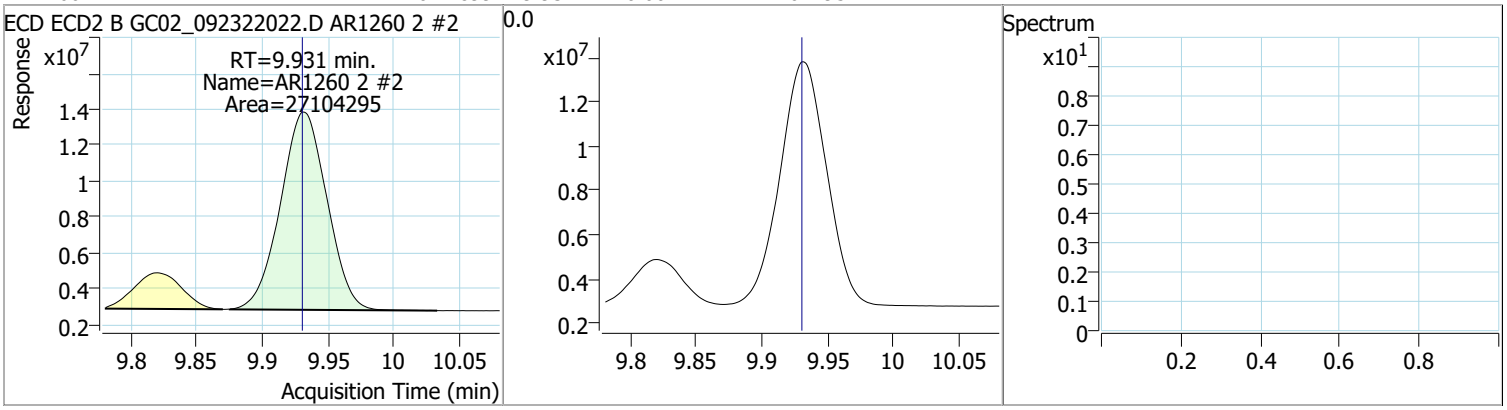
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1211.7417	9.56	0.00	23440681 (m)				



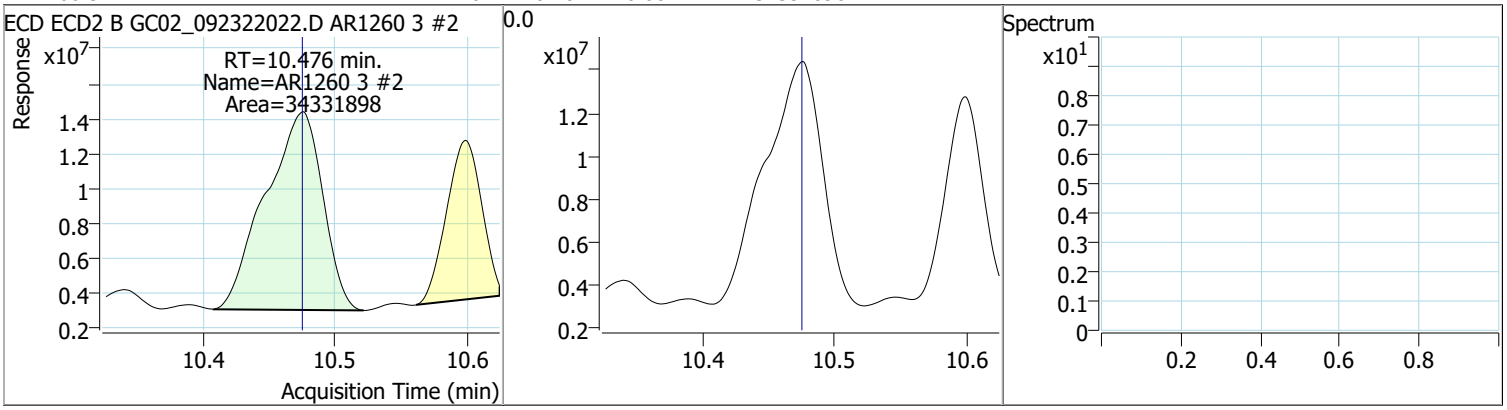
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1787.0458	9.84	0.00	699794066				



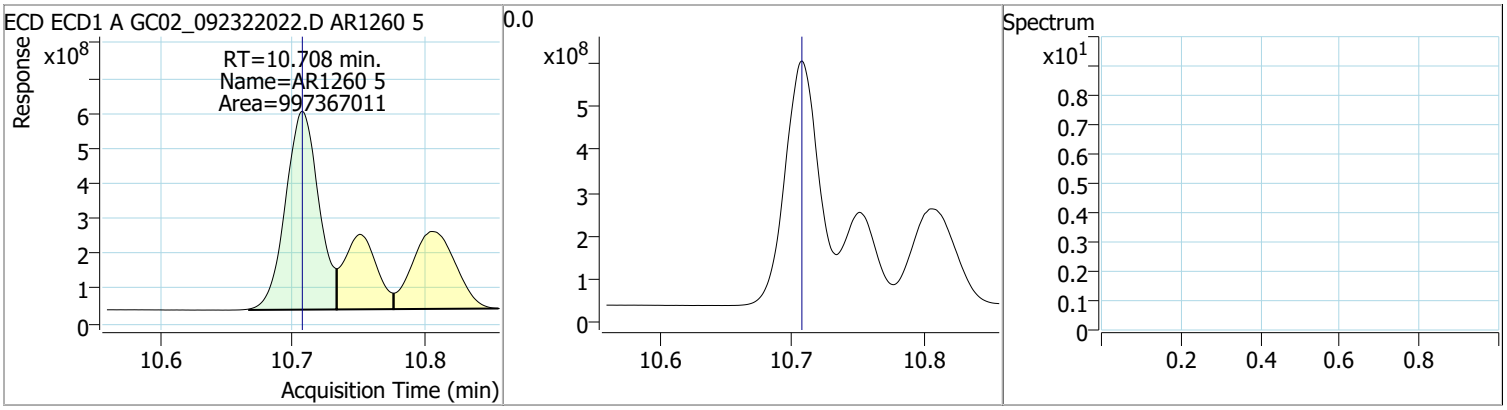
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1201.4899	9.93	0.00	27104295				



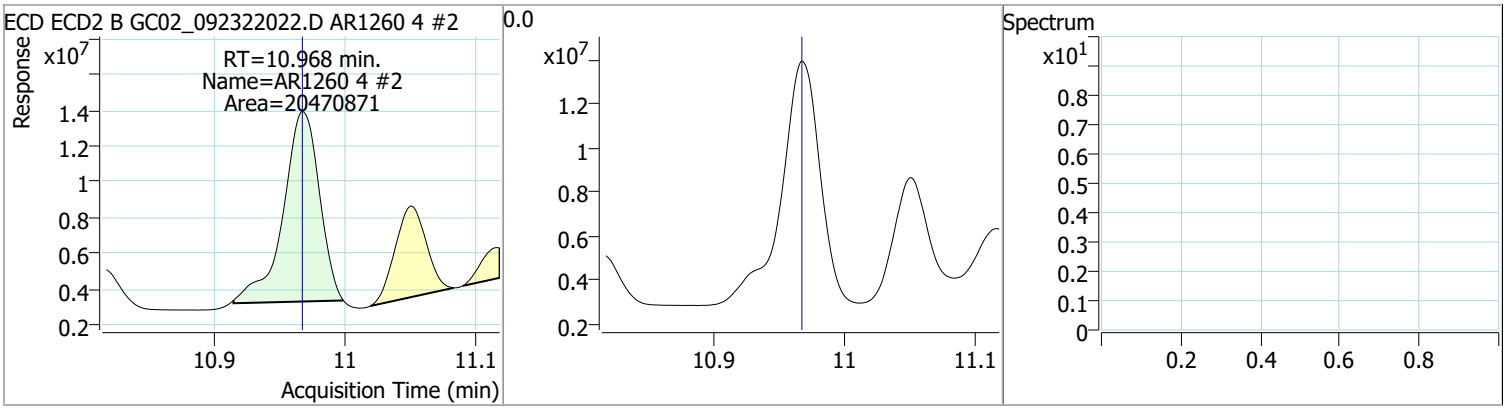
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1244.1104	10.48	0.00	34331898				



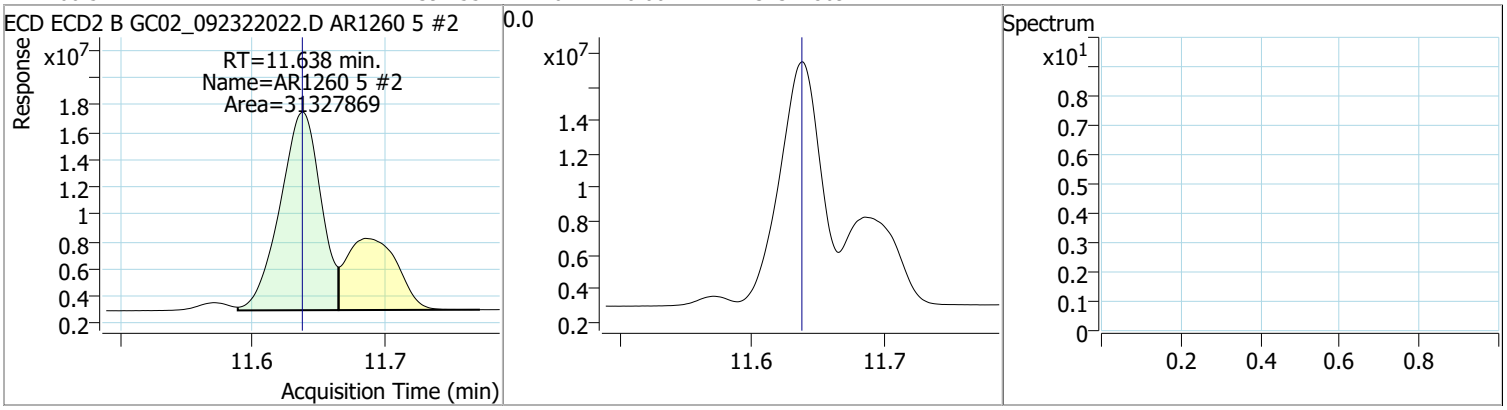
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1856.5860	10.71	0.00	997367011				



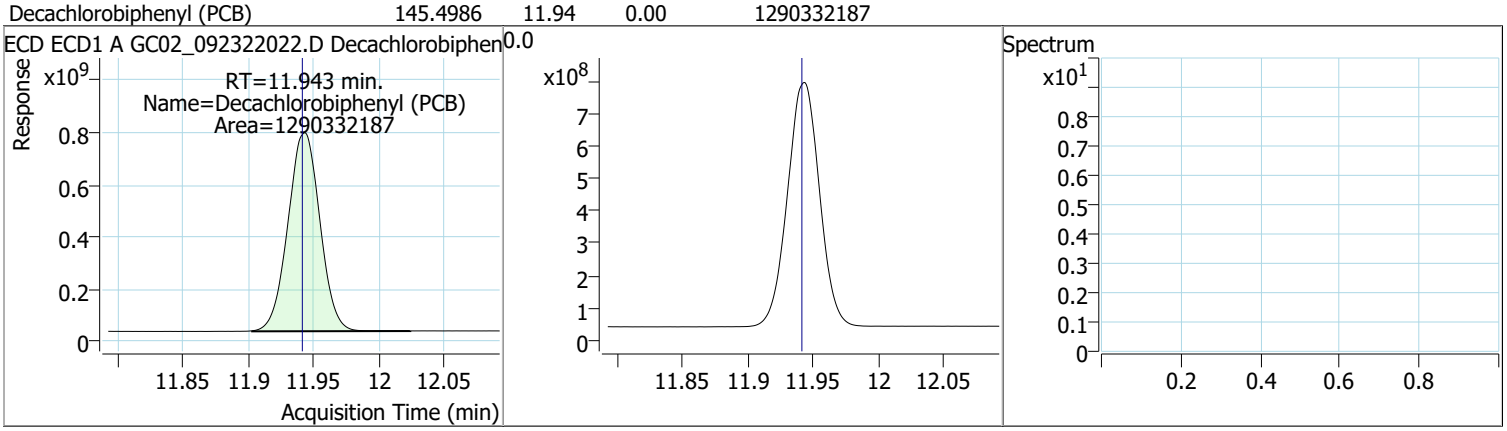
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1215.3424	10.97	0.00	20470871				



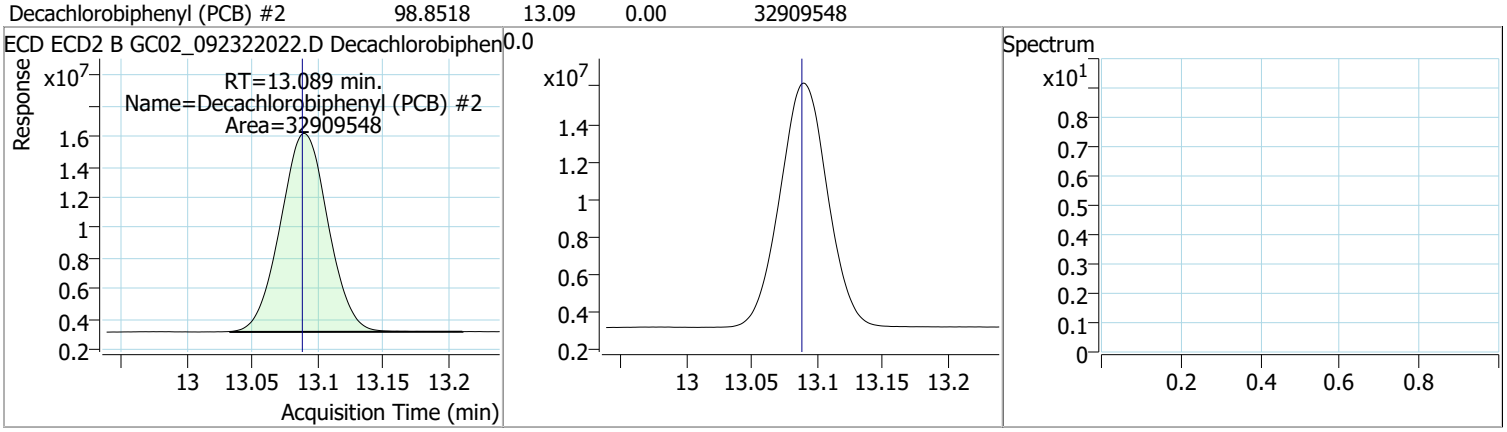
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1239.4552	11.64	0.00	31327869				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	145.4986	11.94	0.00	1290332187				

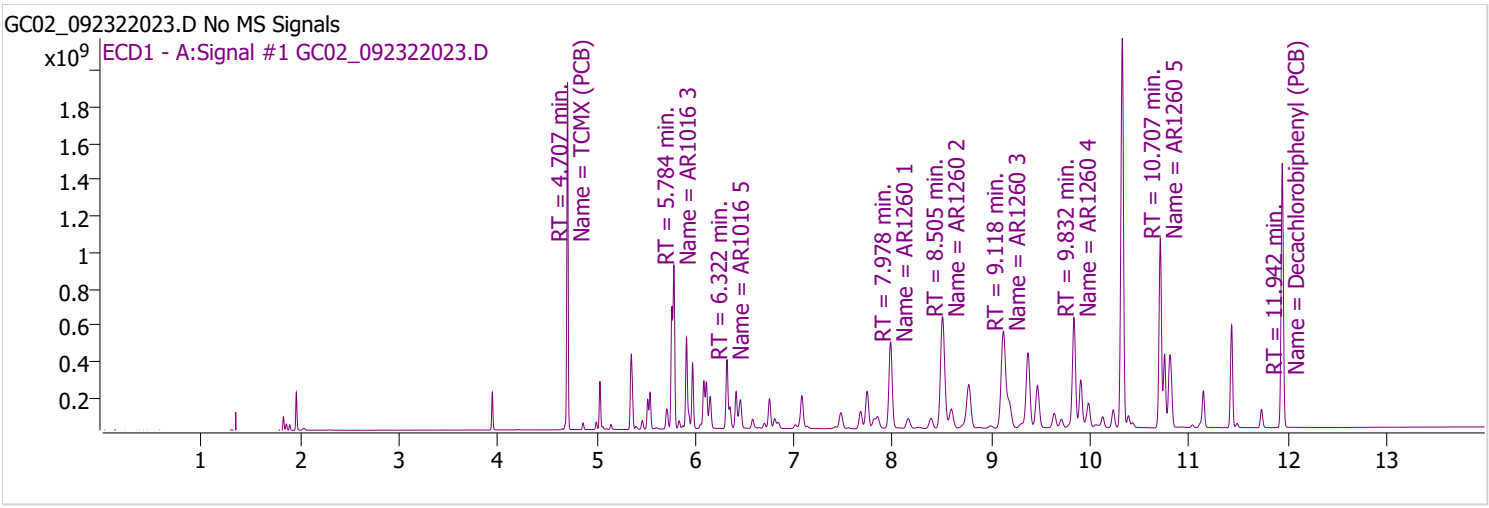


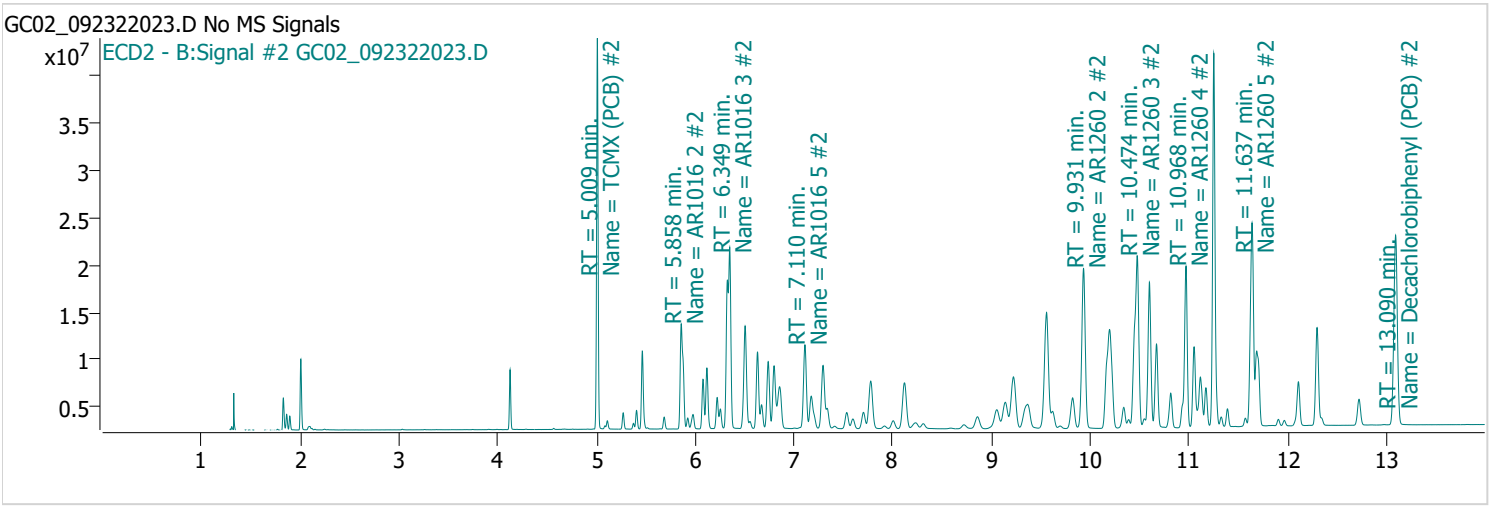
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	98.8518	13.09	0.00	32909548				



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			



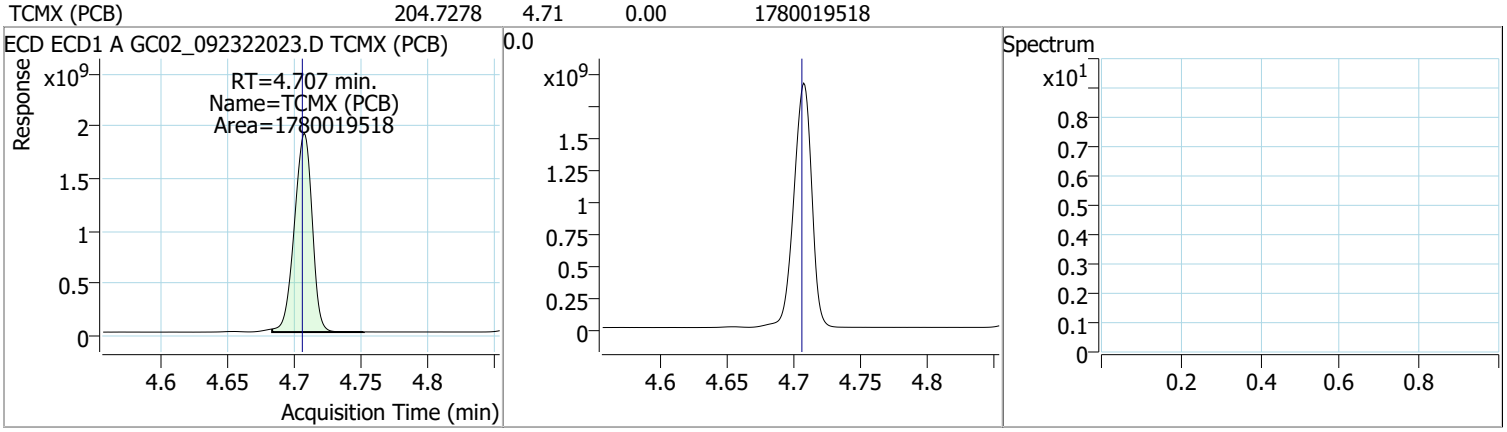


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	179194885.849	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	5827251.606	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.707	0.0	1780019517.579	204.7278	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

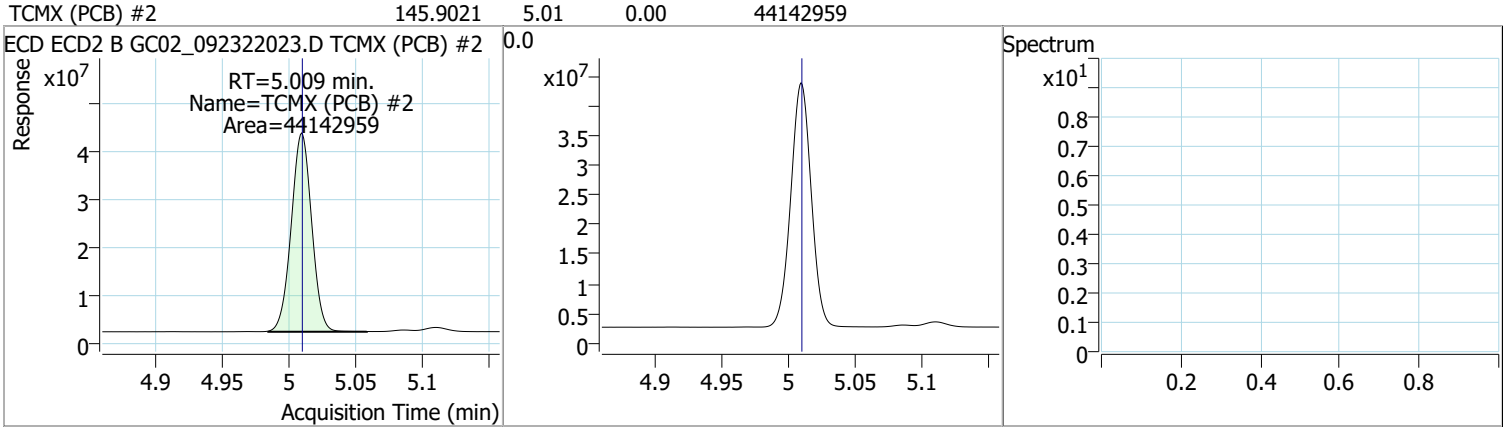
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.035	0.0	268847830.898	2058.3930	ng/ml		100
T AR1016 2	5.352	0.0	606890072.219	2155.2749	ng/ml		100
T AR1016 1 #2	5.464	0.0	11026839.132	1582.8461	ng/ml		100
T AR1016 3	5.784	0.0	1092997864.074	2515.2560	ng/ml		100
T AR1016 2 #2	5.858	0.0	23259858.111	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

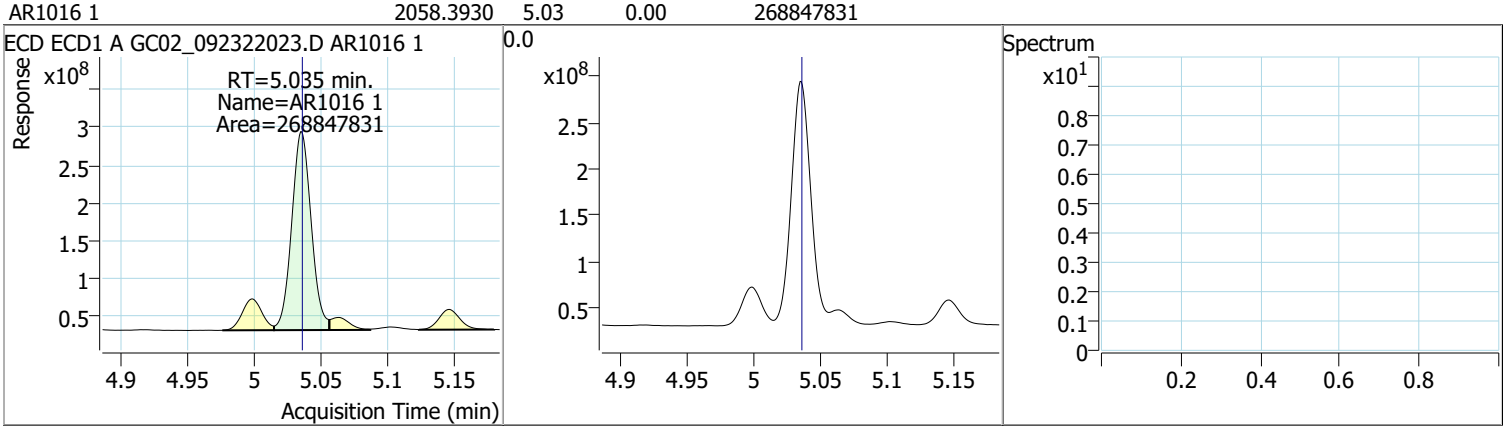
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	204.7278	4.71	0.00	1780019518				



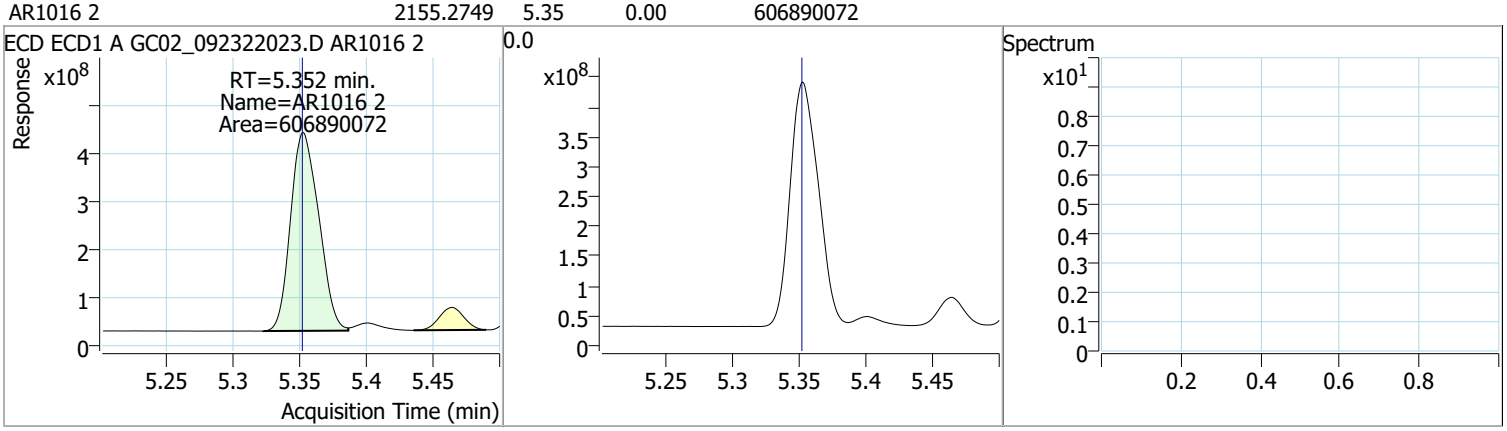
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TCMX (PCB) #2	145.9021	5.01	0.00	44142959				



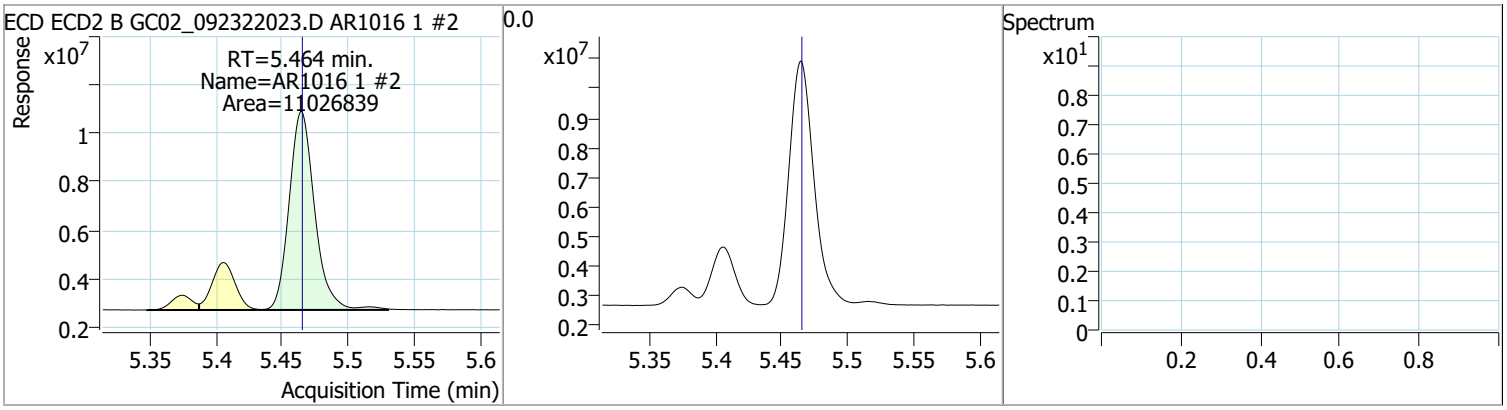
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AR1016 1	2058.3930	5.03	0.00	268847831				



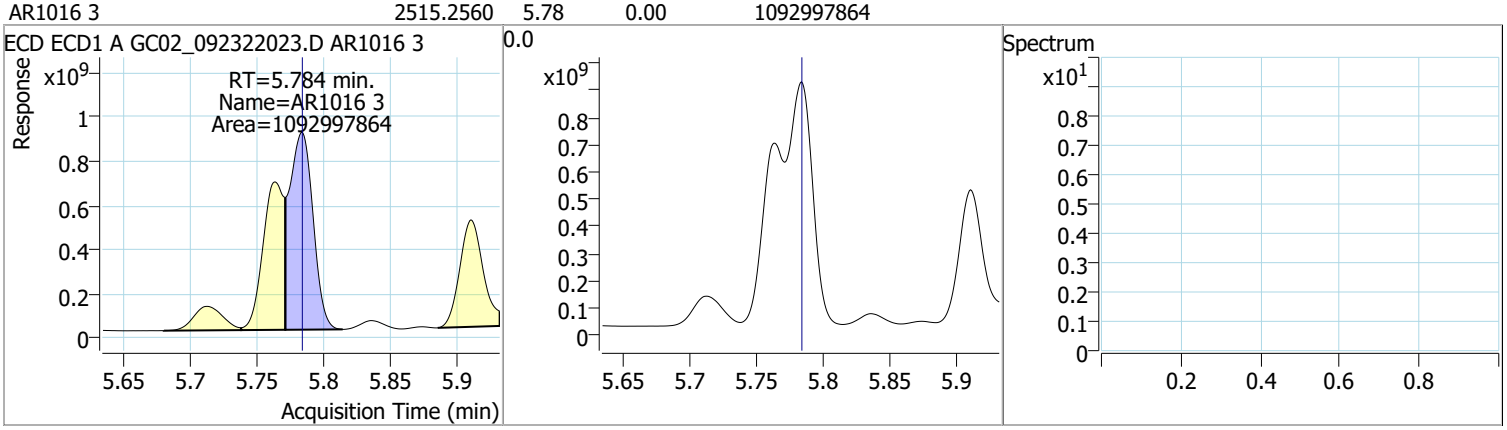
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AR1016 2	2155.2749	5.35	0.00	606890072				



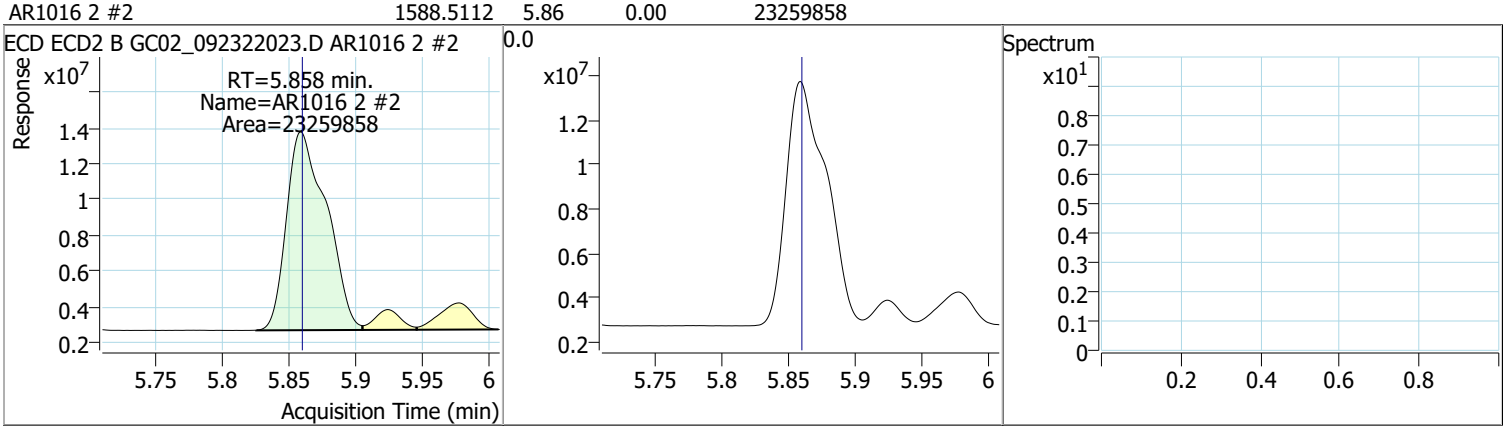
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AR1016 1 #2	1582.8461	5.46	0.00	11026839				



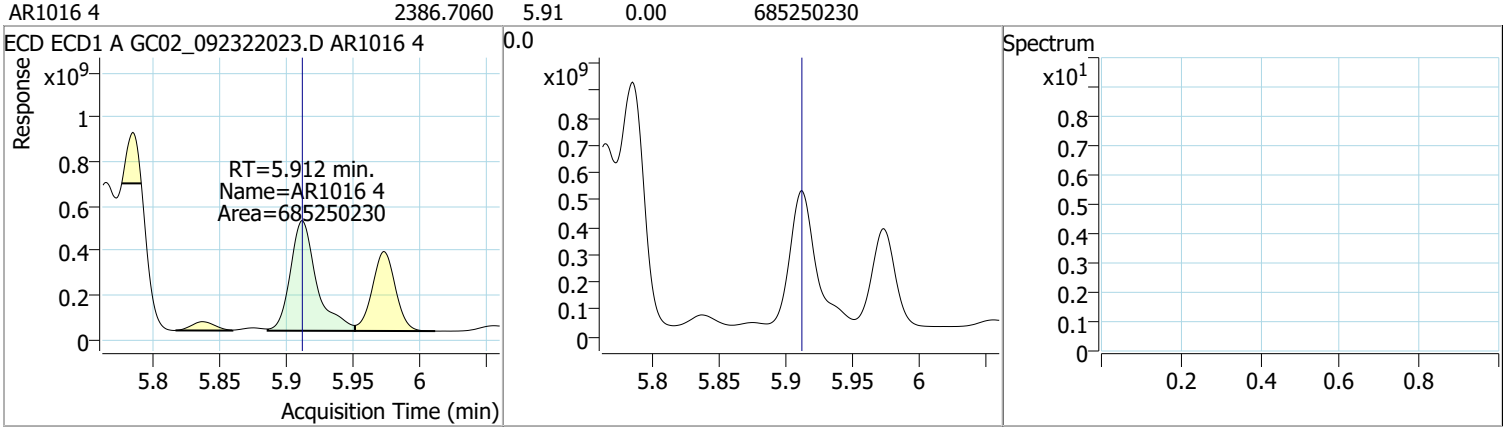
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	2515.2560	5.78	0.00	1092997864				



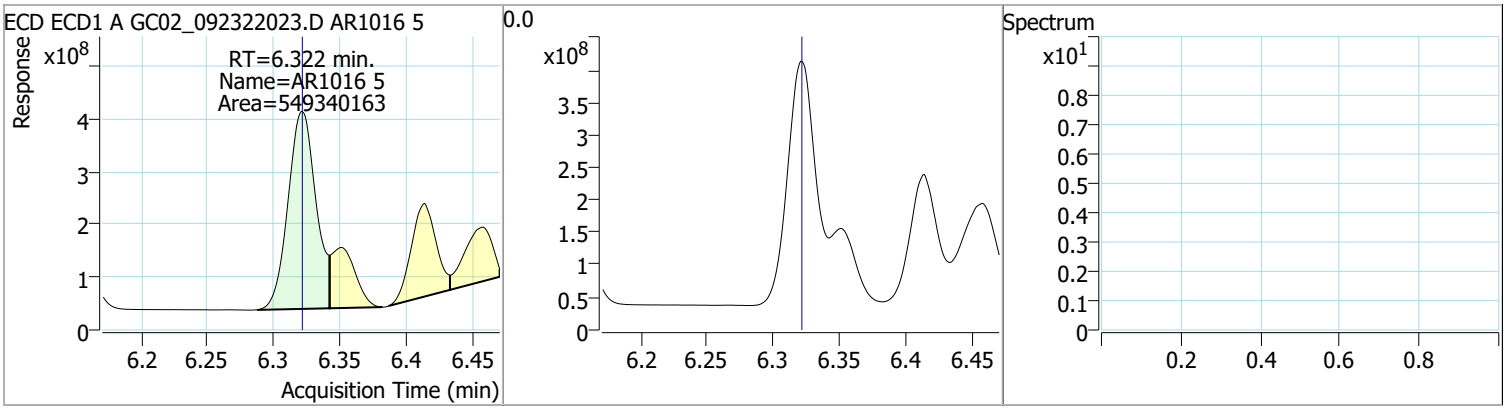
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AR1016 2 #2	1588.5112	5.86	0.00	23259858				



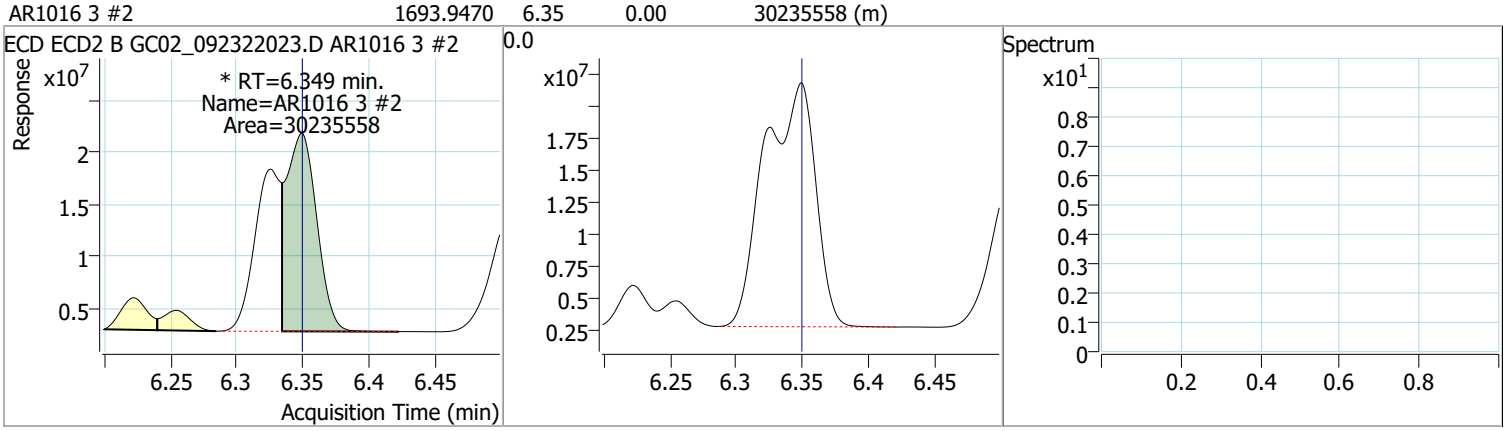
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2386.7060	5.91	0.00	685250230				



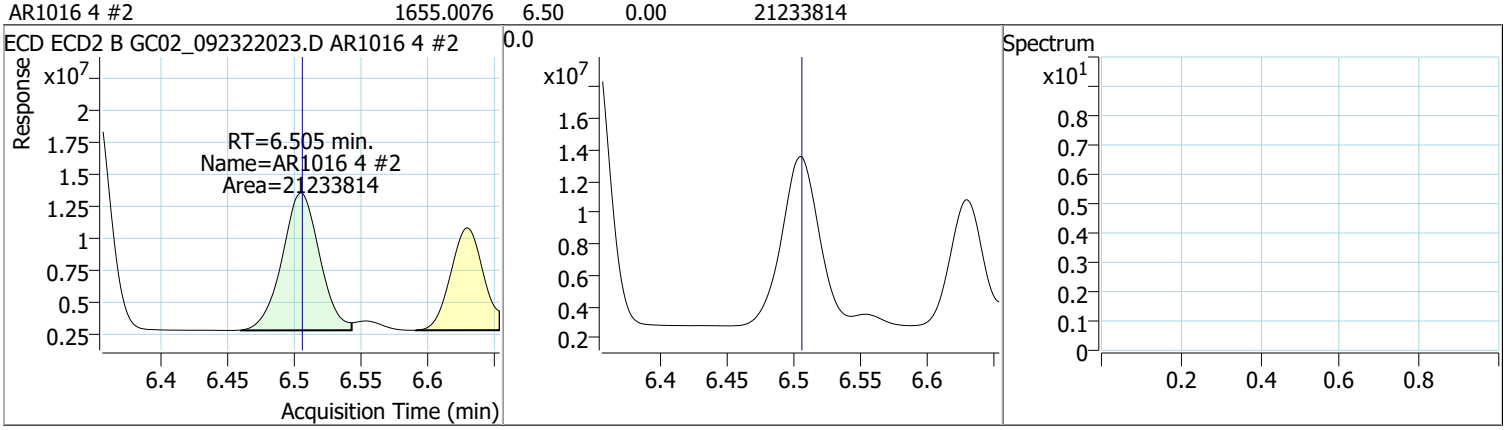
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	2377.5901	6.32	0.00	549340163				



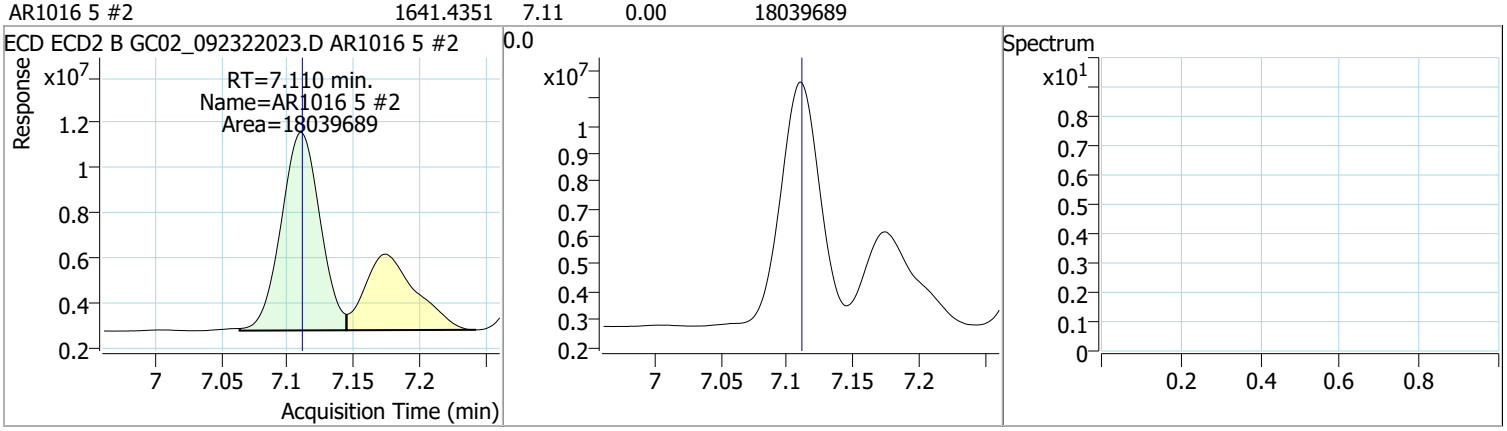
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AR1016 3 #2	1693.9470	6.35	0.00	30235558 (m)				



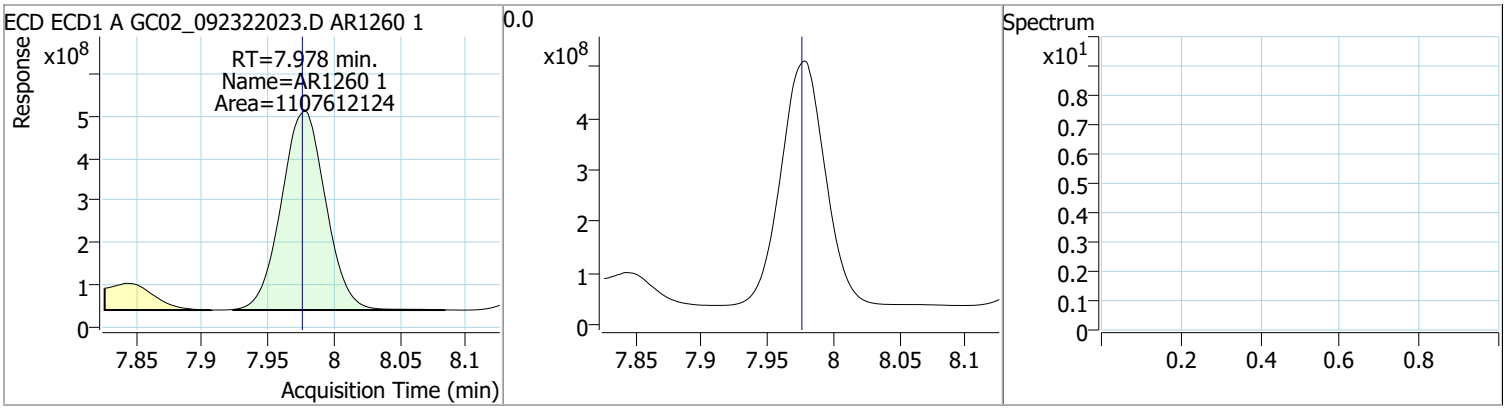
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AR1016 4 #2	1655.0076	6.50	0.00	21233814				



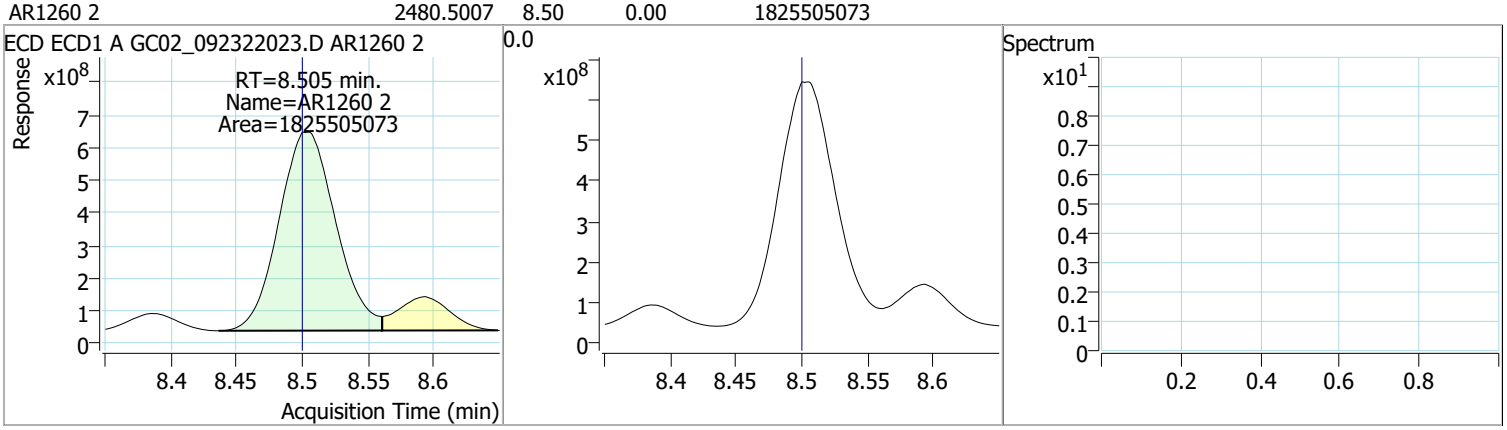
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AR1016 5 #2	1641.4351	7.11	0.00	18039689				



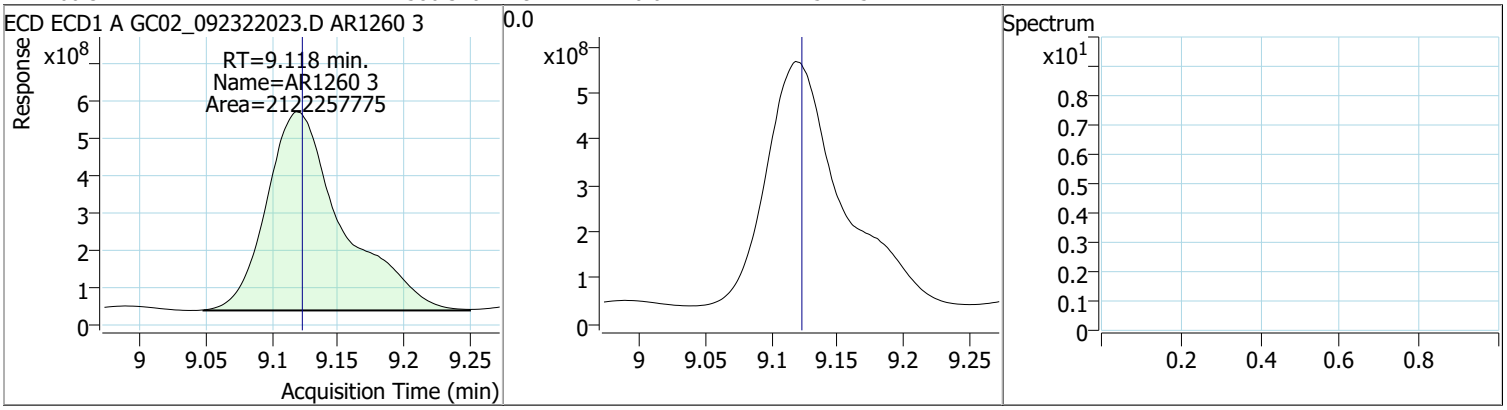
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	2438.9367	7.98	0.00	1107612124				



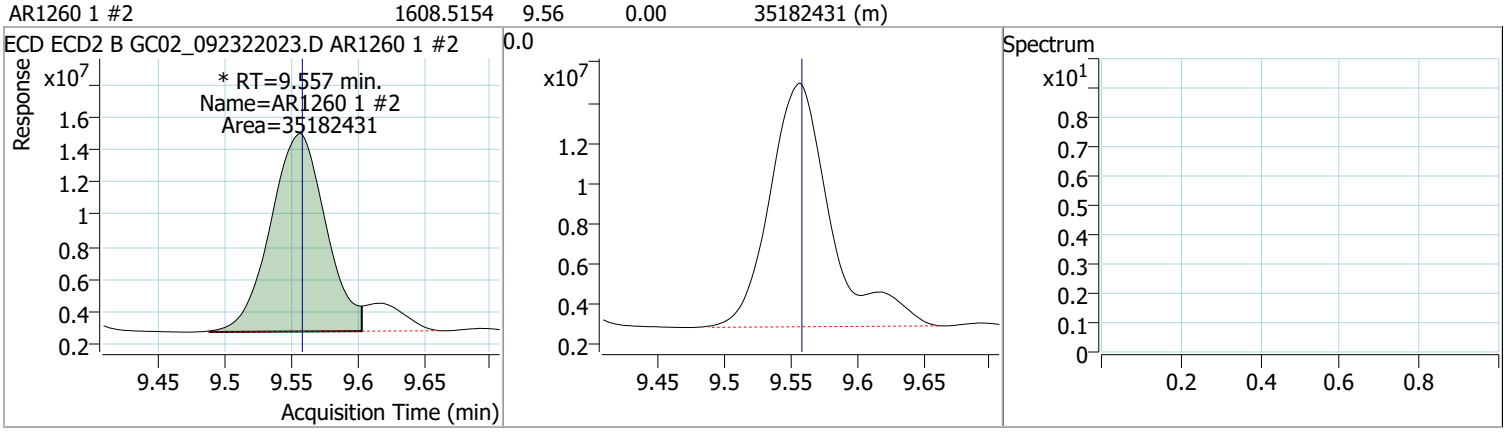
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2480.5007	8.50	0.00	1825505073				



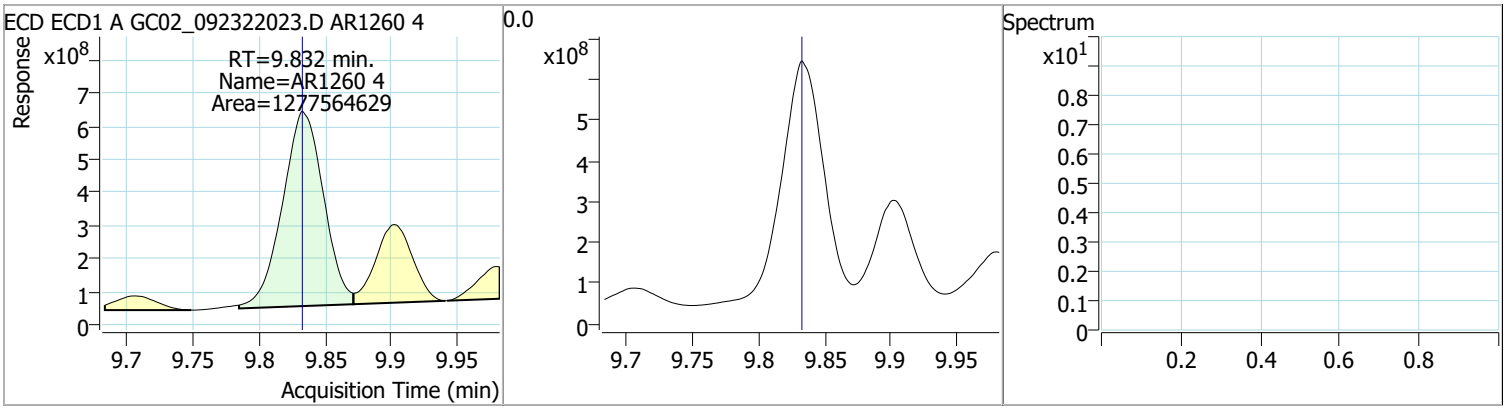
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	2586.3201	9.12	-0.01	2122257775				



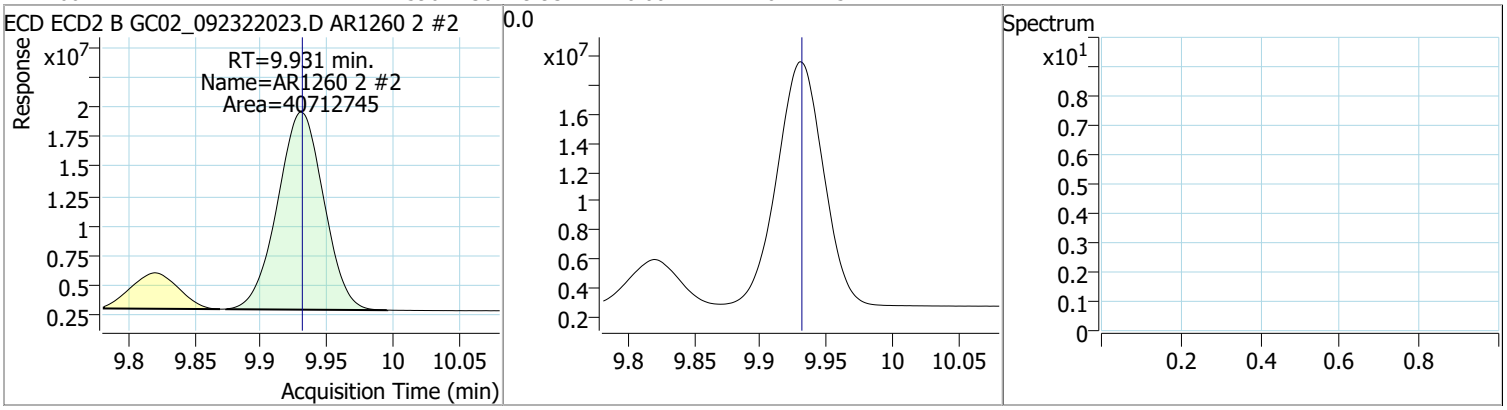
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1608.5154	9.56	0.00	35182431 (m)				



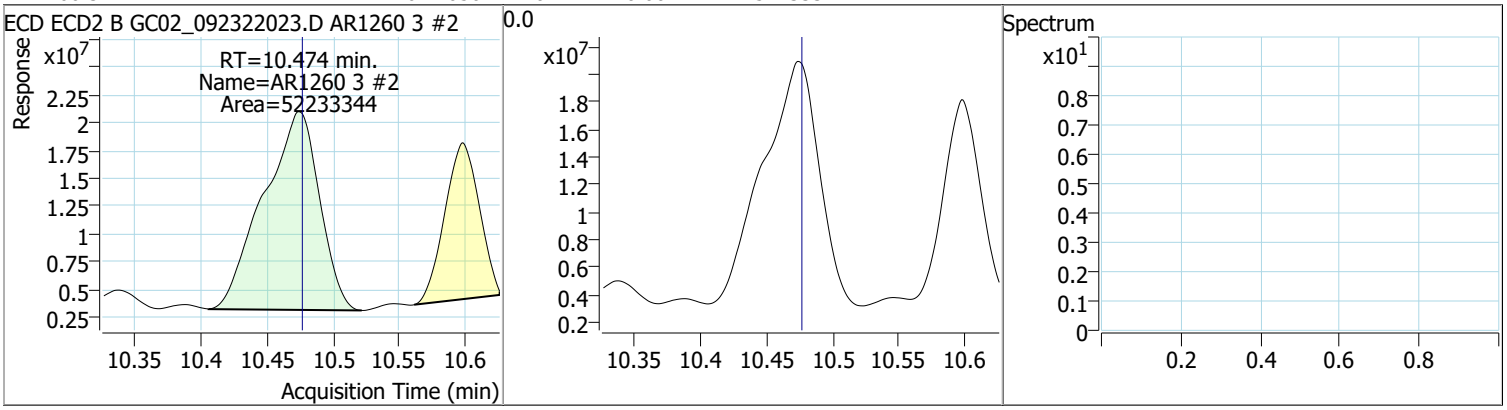
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	2784.1015	9.83	0.00	1277564629				



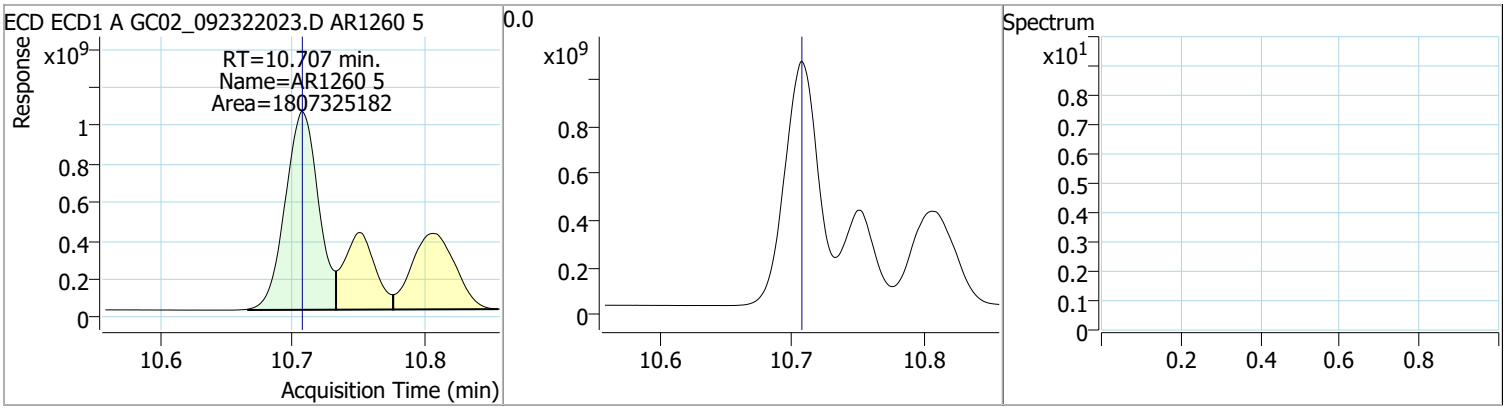
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AR1260 2 #2	1596.1436	9.93	0.00	40712745				



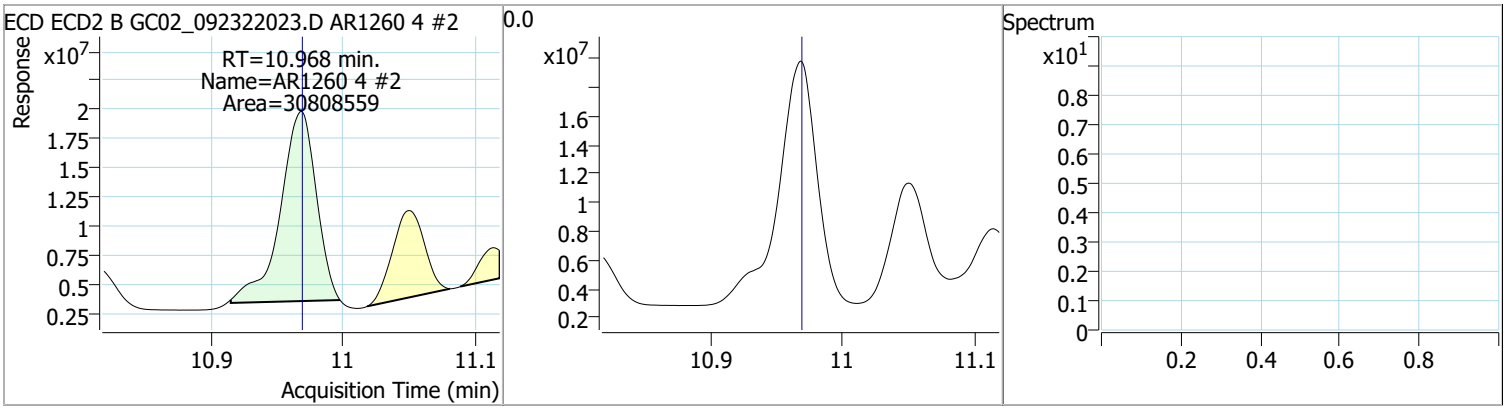
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1674.0502	10.47	0.00	52233344				



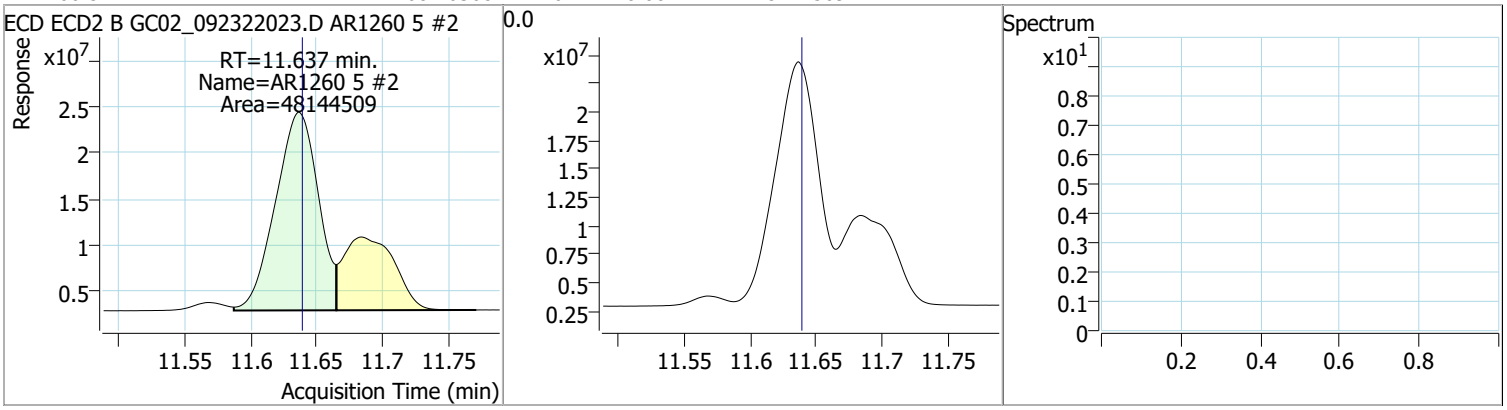
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	2870.9994	10.71	0.00	1807325182				



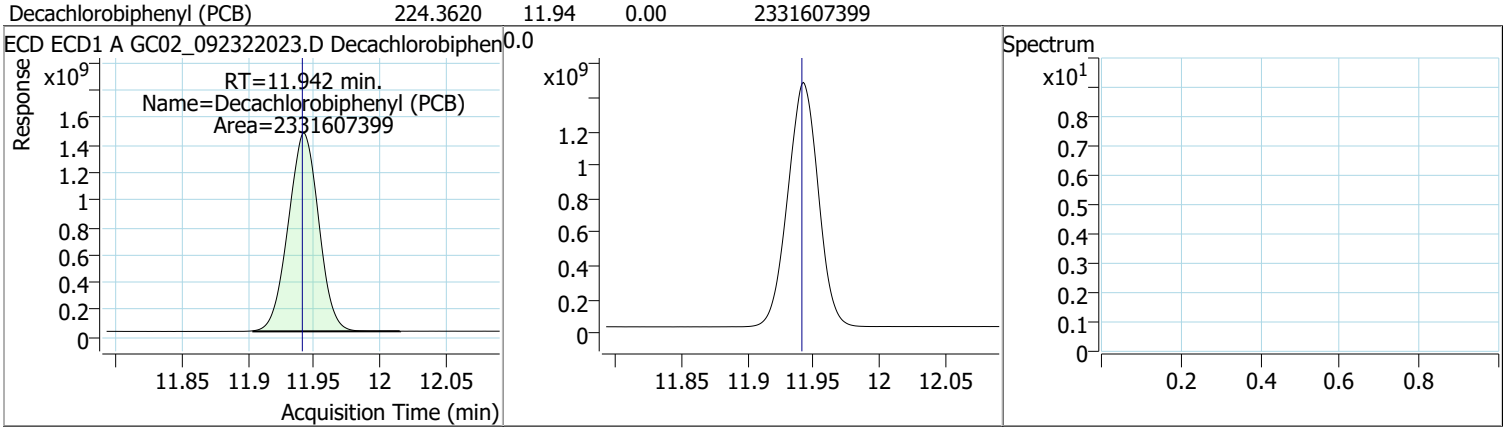
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1617.6824	10.97	0.00	30808559				



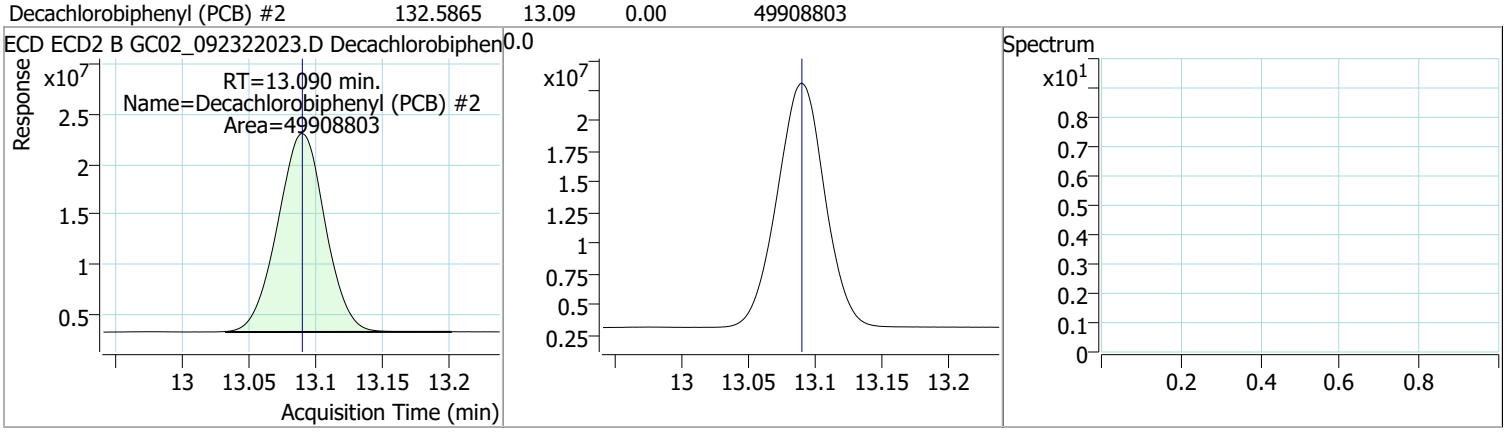
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1684.6368	11.64	0.00	48144509				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	224.3620	11.94	0.00	2331607399				

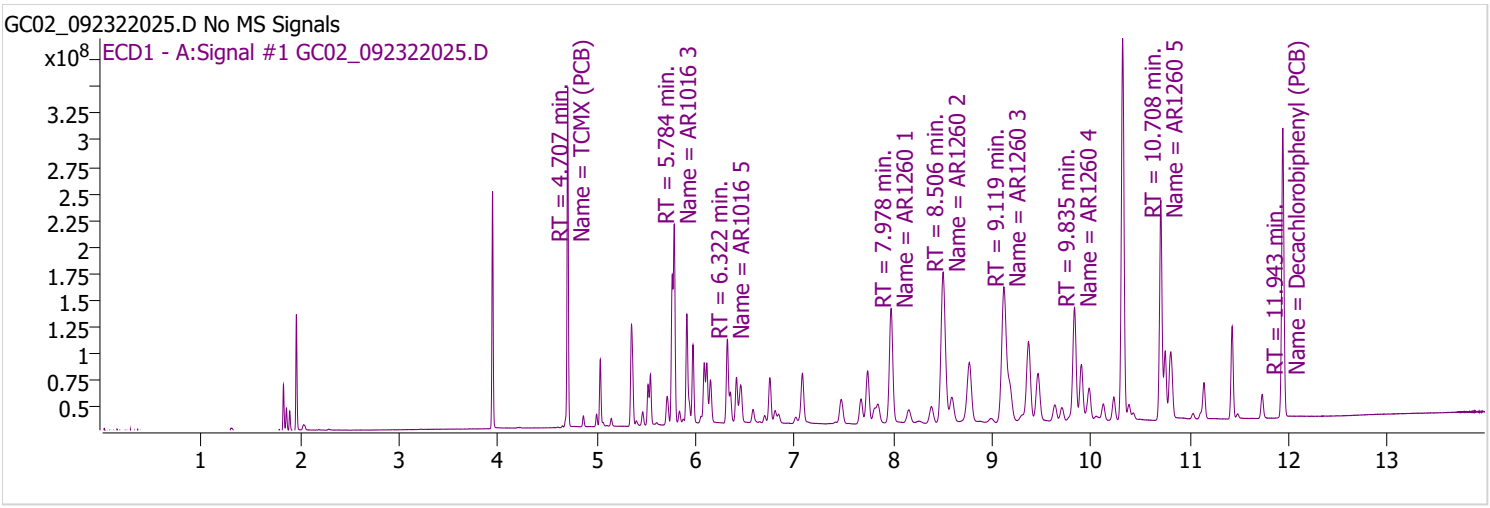


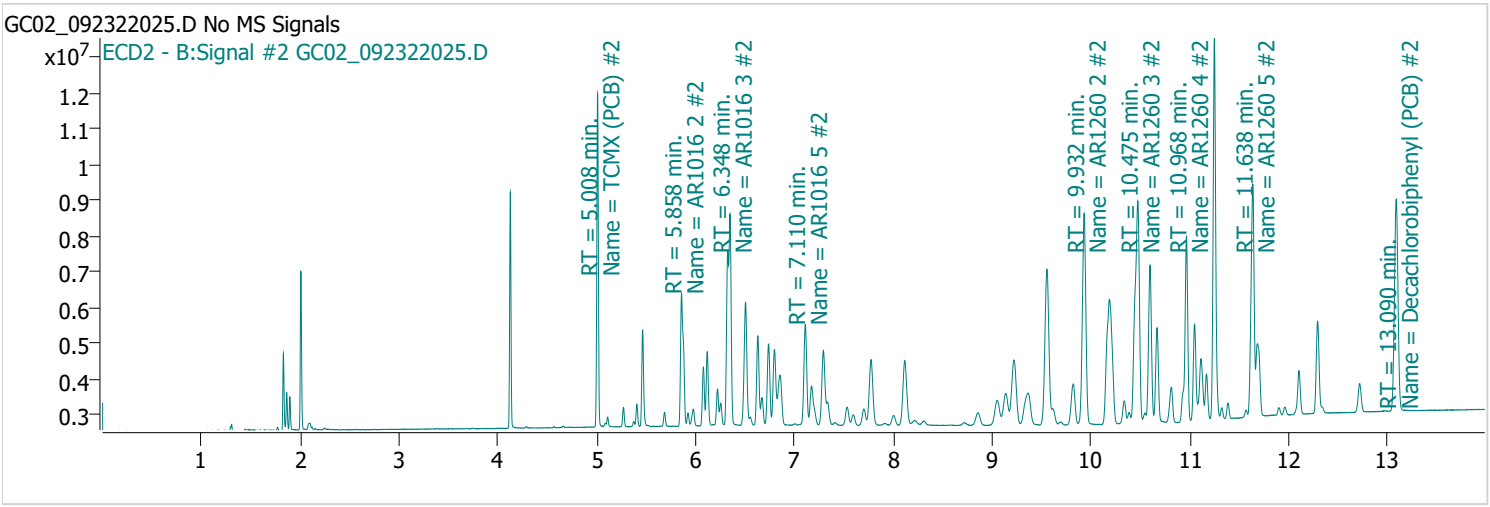
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	132.5865	13.09	0.00	49908803				



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			



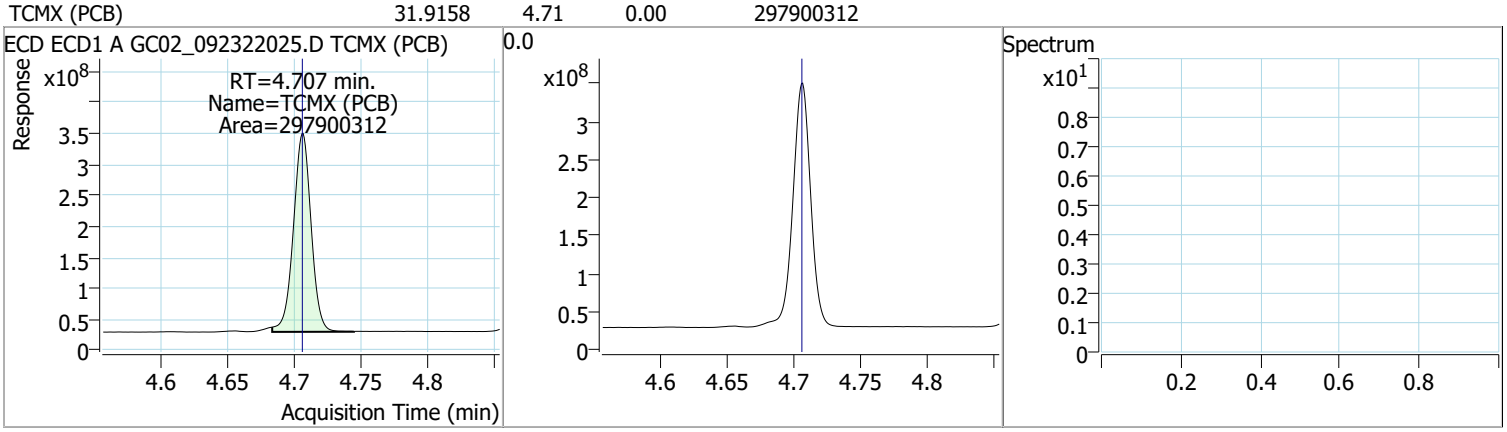


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.946	0.0	192372715.933	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	6152605.355	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.707	0.0	297900312.335	31.9158	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

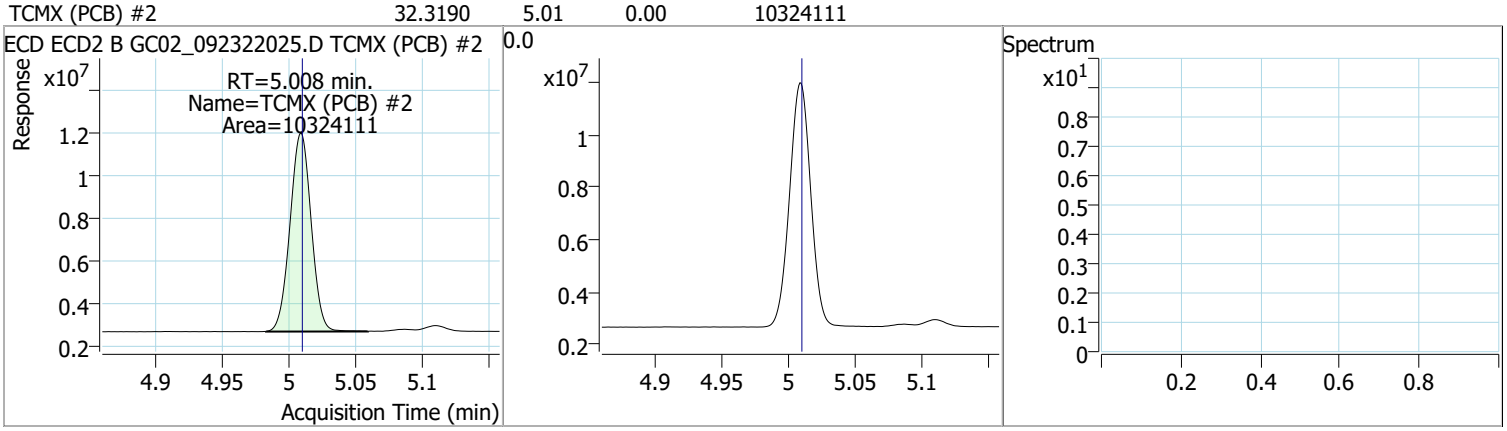
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.036	0.0	67978516.760	484.8145	ng/ml		100
T AR1016 2	5.353	0.0	147325030.560	487.3616	ng/ml		100
T AR1016 1 #2	5.465	0.0	3550617.710	482.7211	ng/ml		100
T AR1016 3	5.784	0.0	239151534.771	512.6467	ng/ml		100
T AR1016 2 #2	5.858	0.0	7599579.603	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

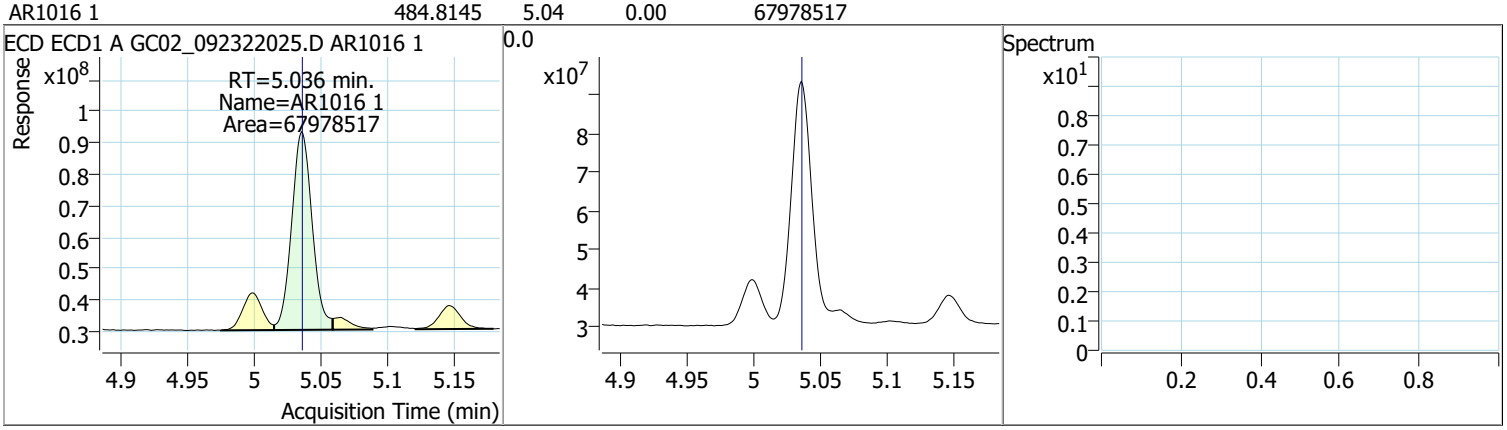
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.9158	4.71	0.00	297900312				



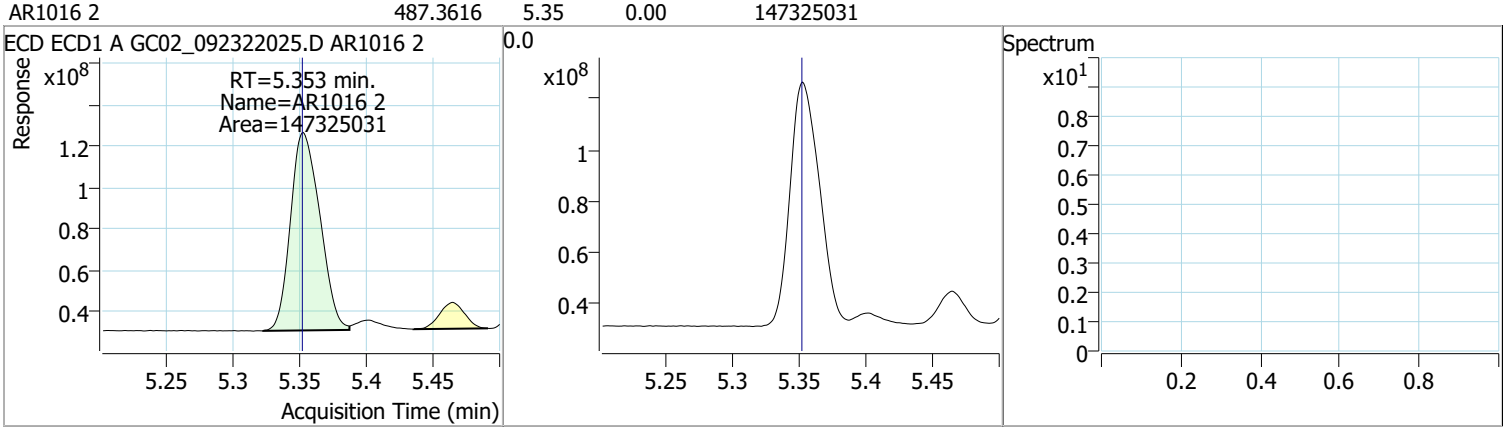
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.3190	5.01	0.00	10324111				



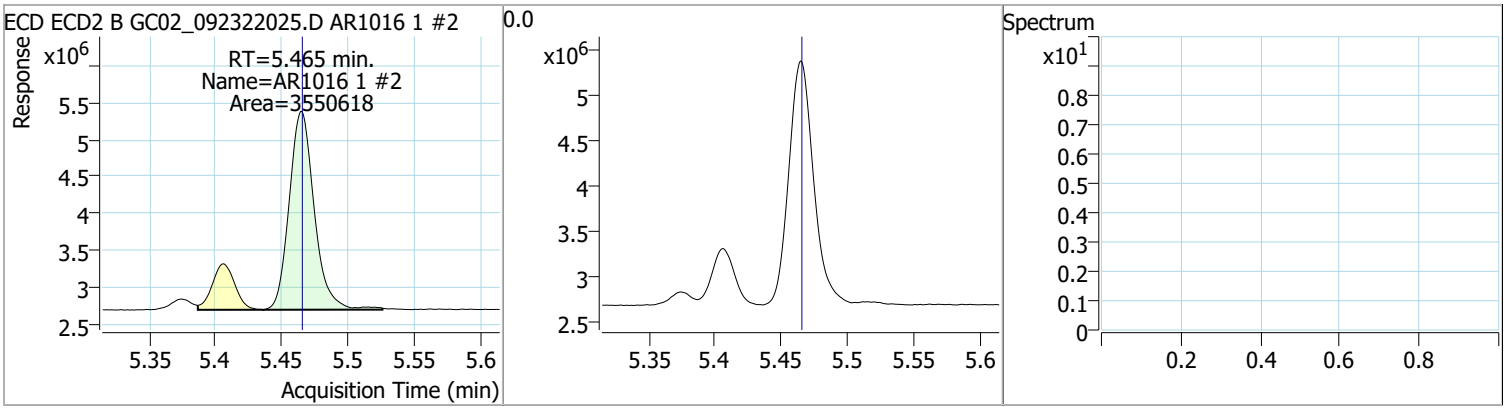
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	484.8145	5.04	0.00	67978517				



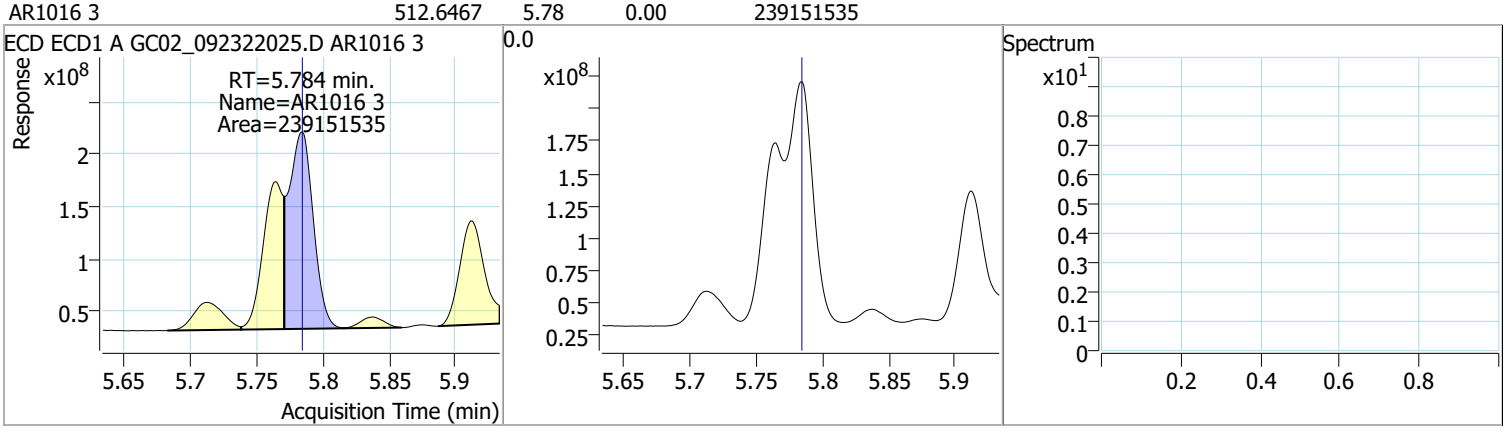
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	487.3616	5.35	0.00	147325031				



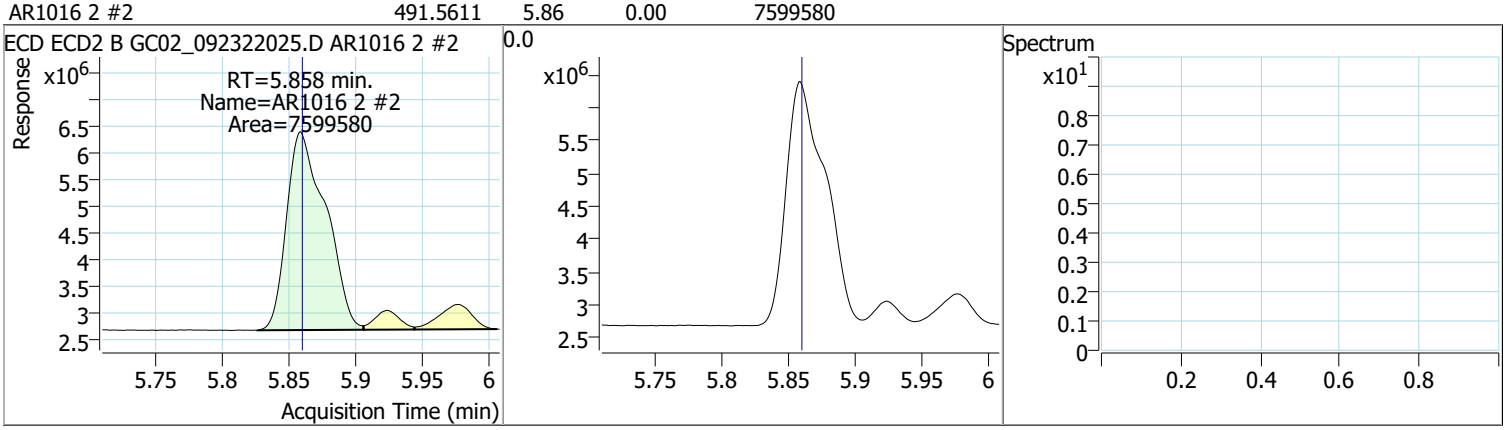
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	482.7211	5.47	0.00	3550618				



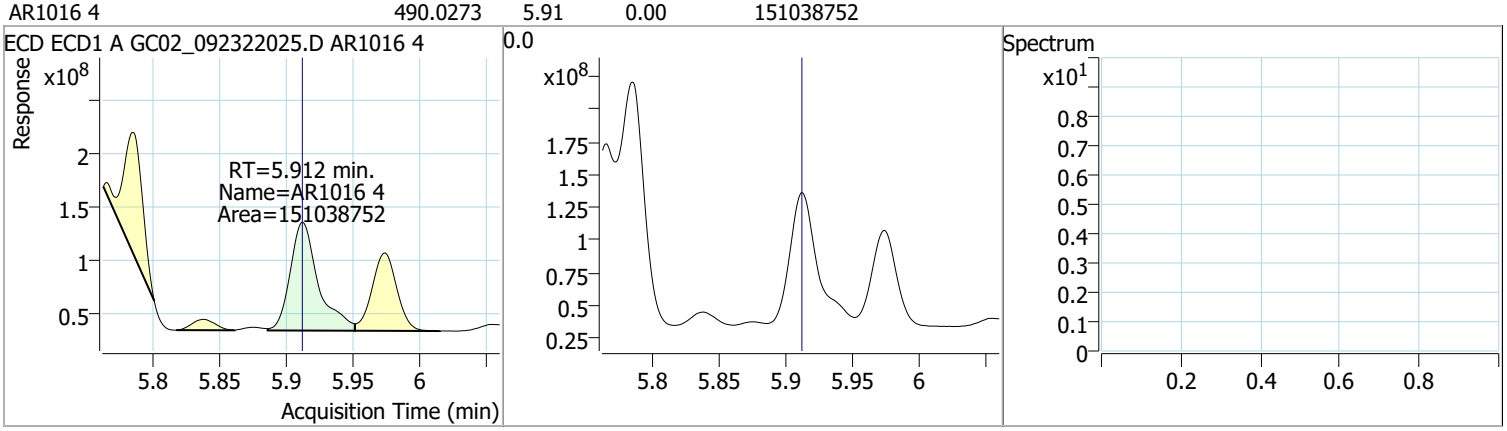
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	512.6467	5.78	0.00	239151535				



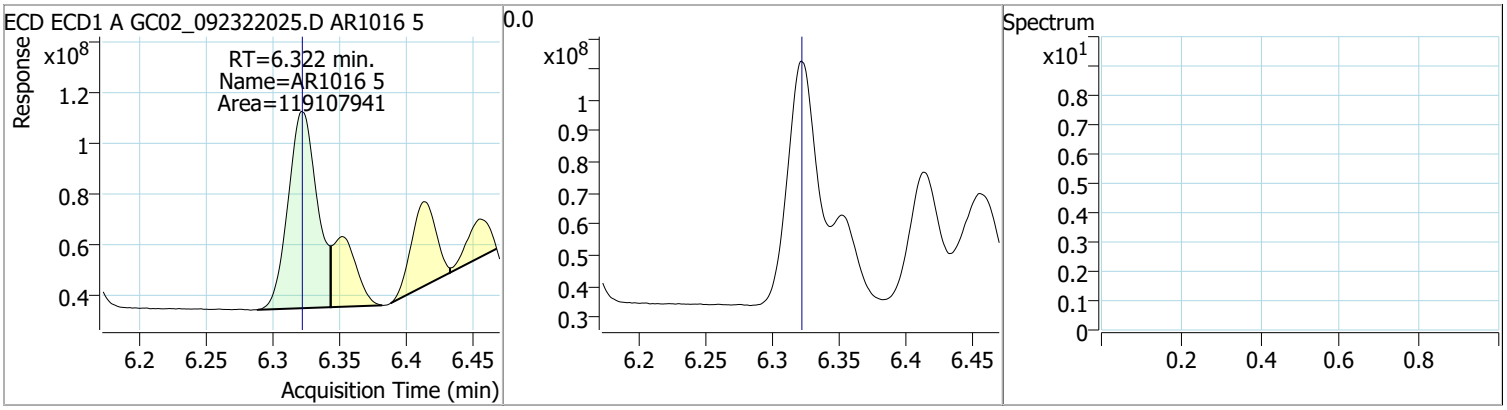
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	491.5611	5.86	0.00	7599580				



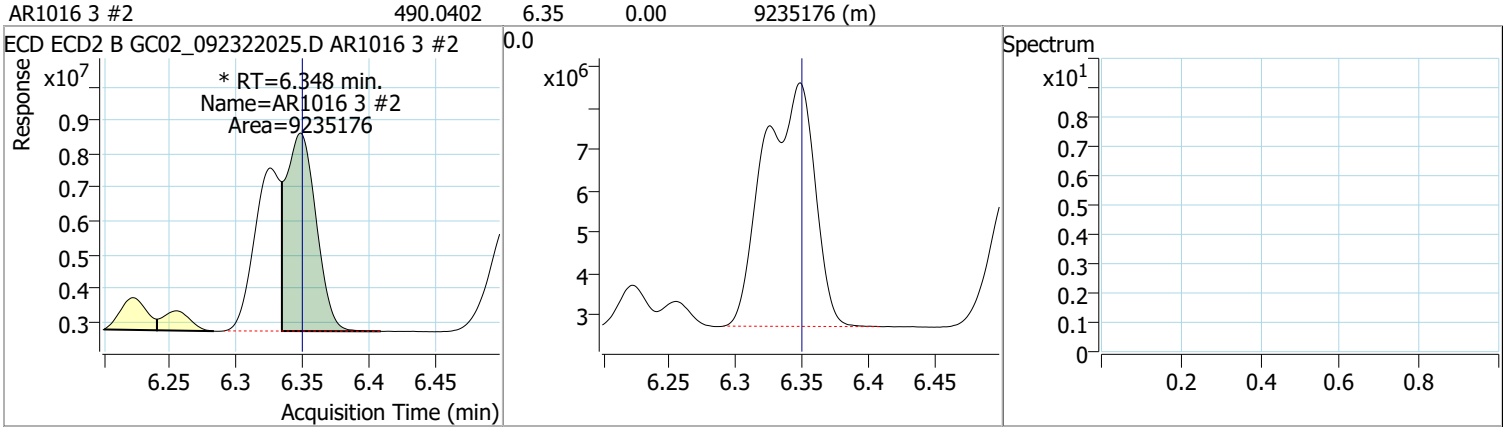
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	490.0273	5.91	0.00	151038752				



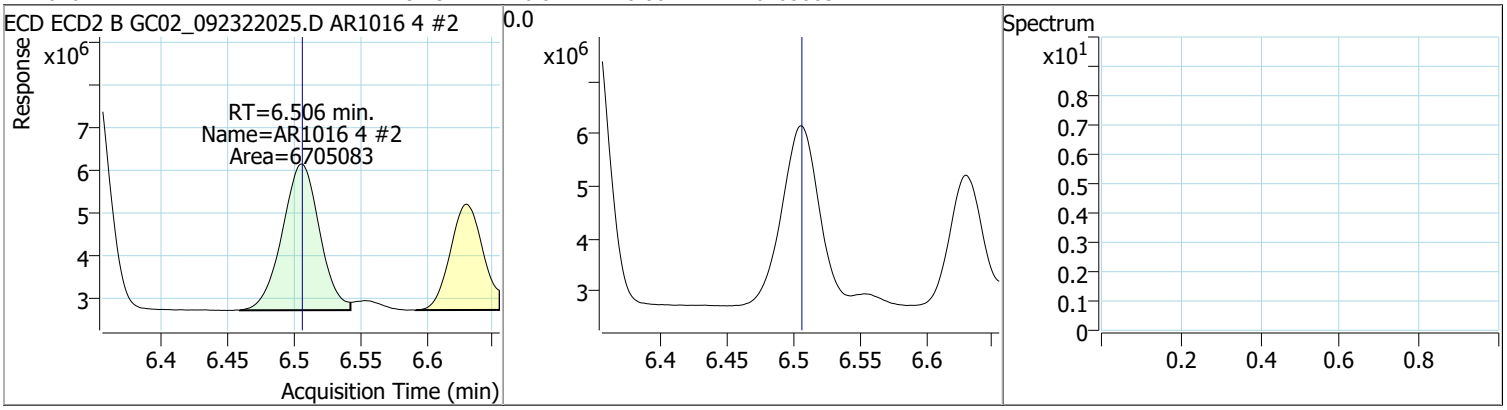
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	480.1959	6.32	0.00	119107941				



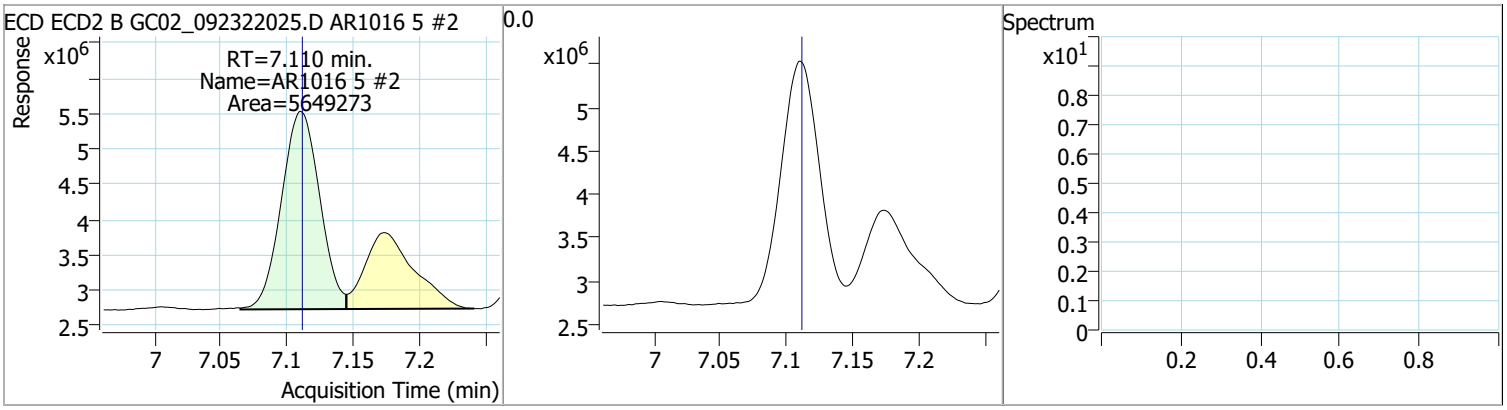
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	490.0402	6.35	0.00	9235176 (m)				



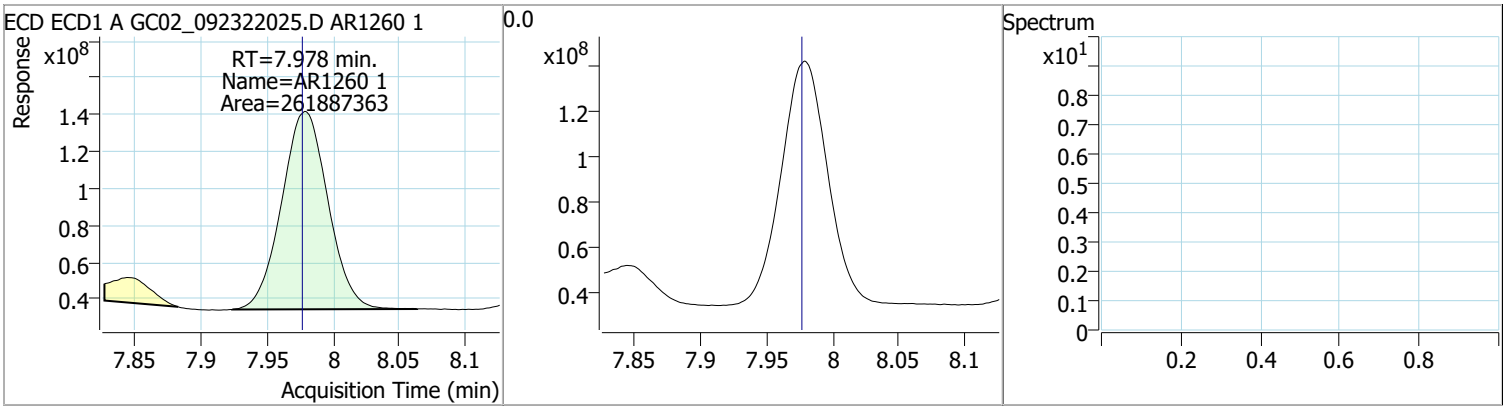
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	494.9722	6.51	0.00	6705083				



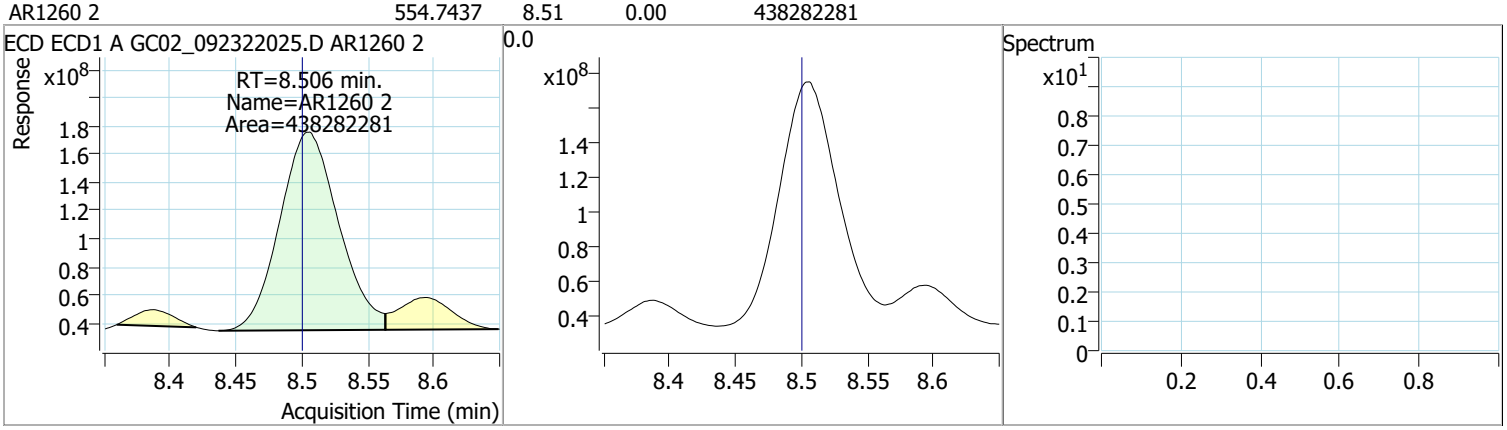
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	486.8464	7.11	0.00	5649273				



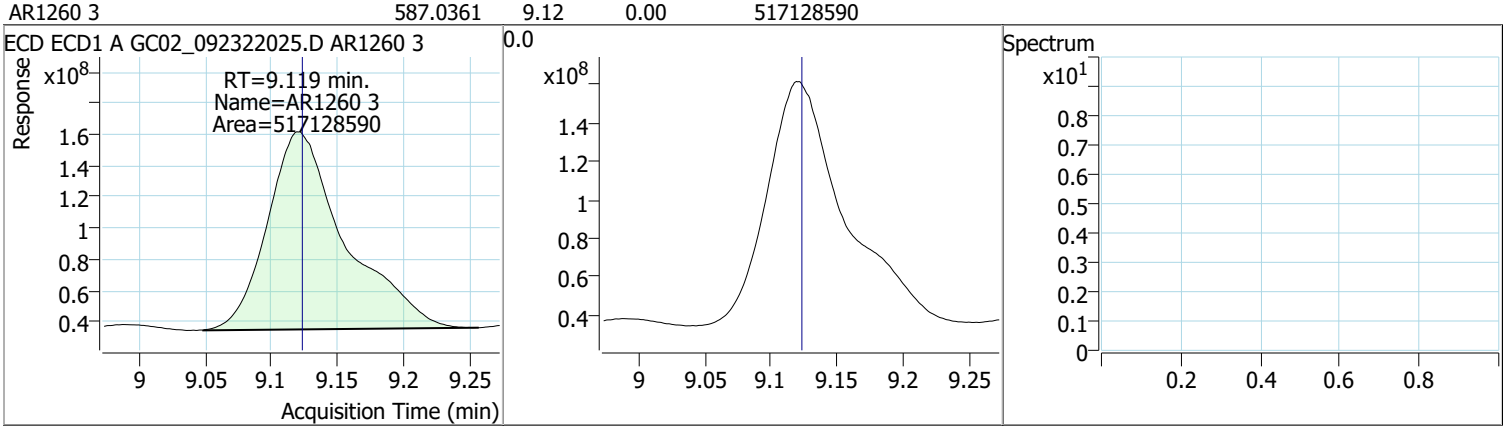
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	537.1672	7.98	0.00	261887363				



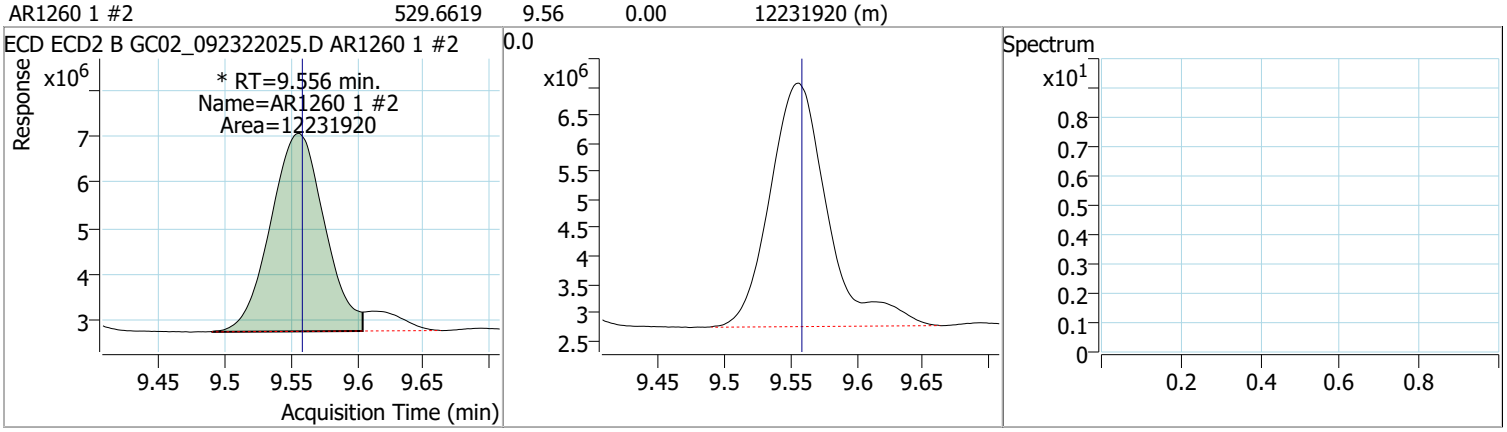
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	554.7437	8.51	0.00	438282281				



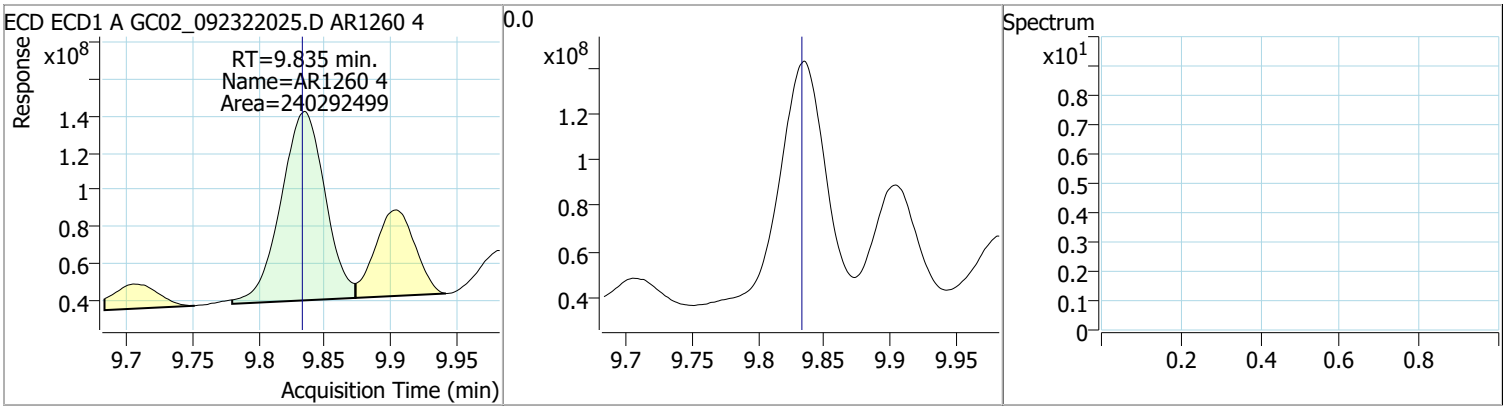
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	587.0361	9.12	0.00	517128590				



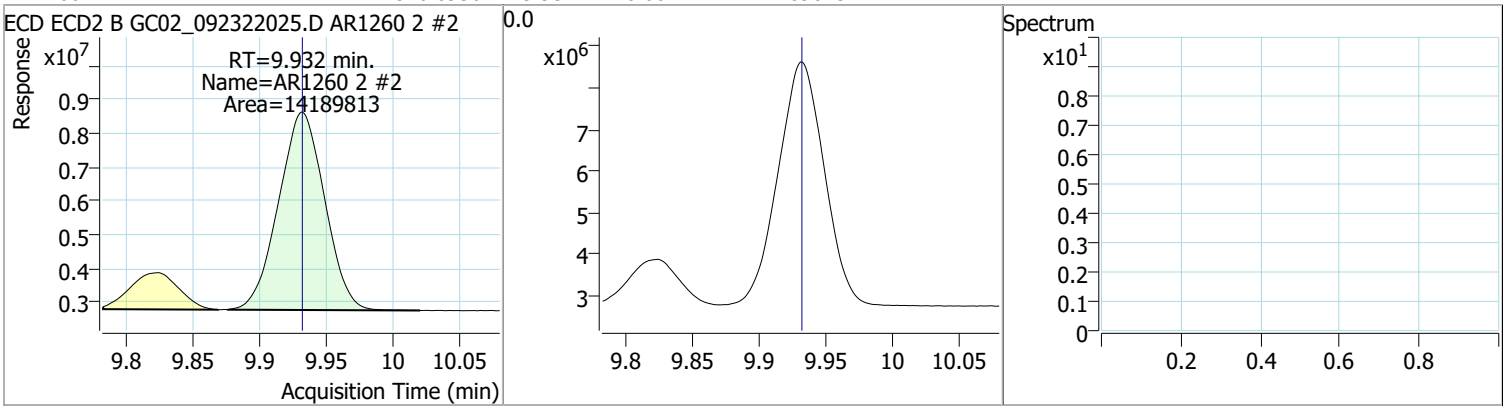
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	529.6619	9.56	0.00	12231920 (m)				



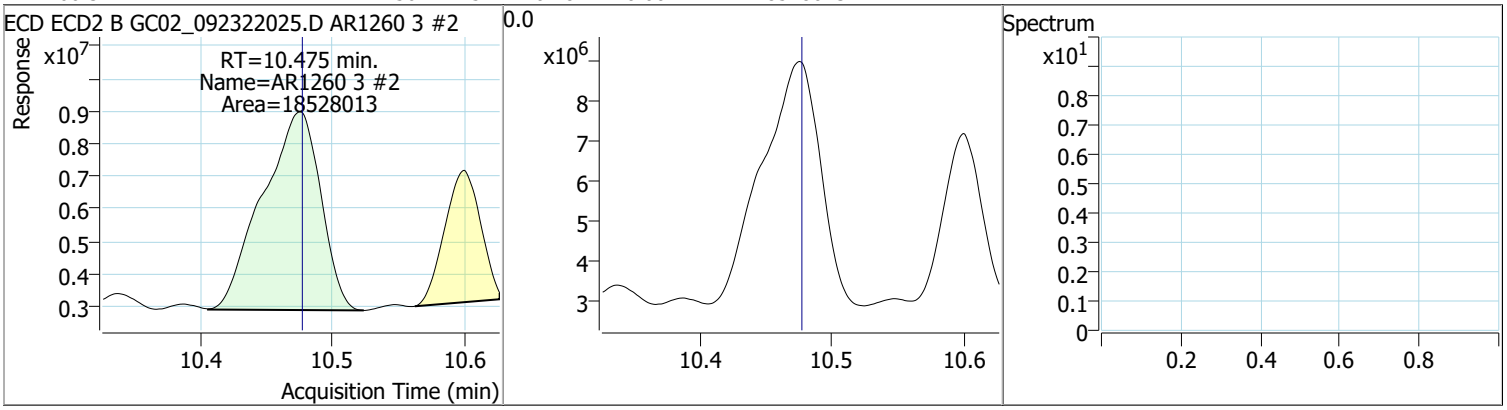
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	487.7806	9.84	0.00	240292499				



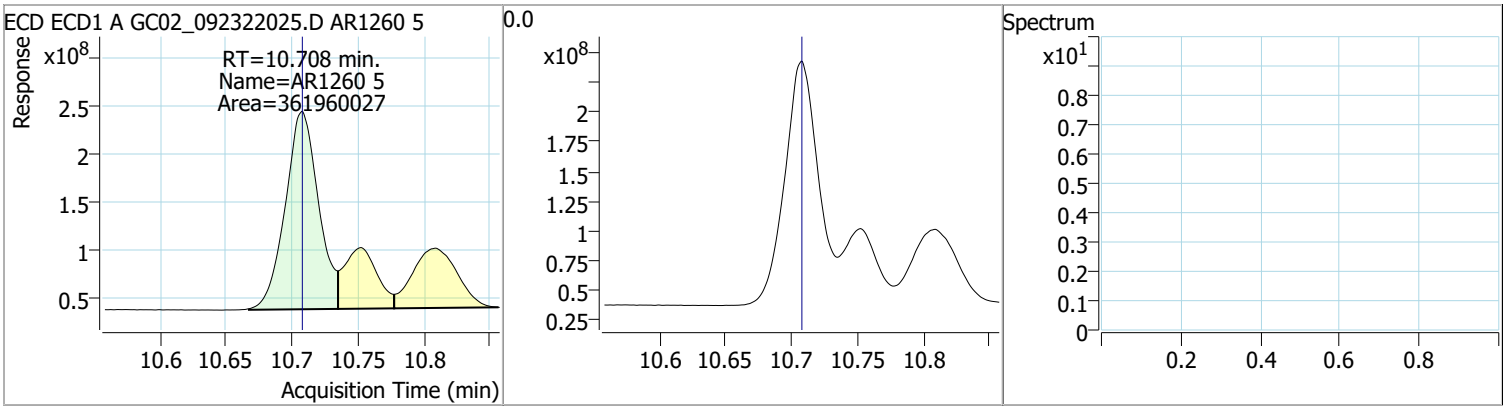
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	526.8936	9.93	0.00	14189813				



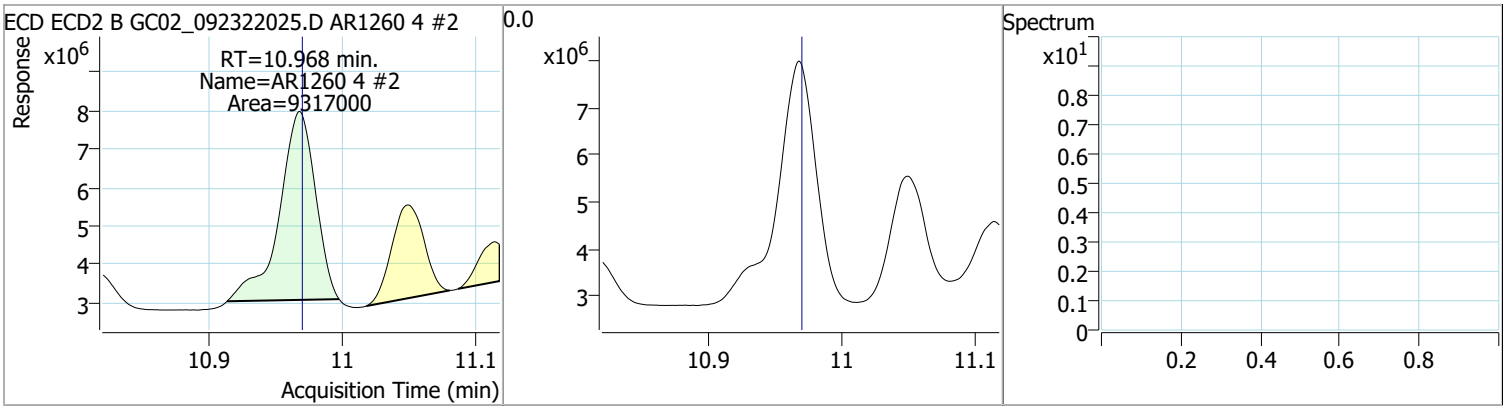
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	562.4115	10.48	0.00	18528013				



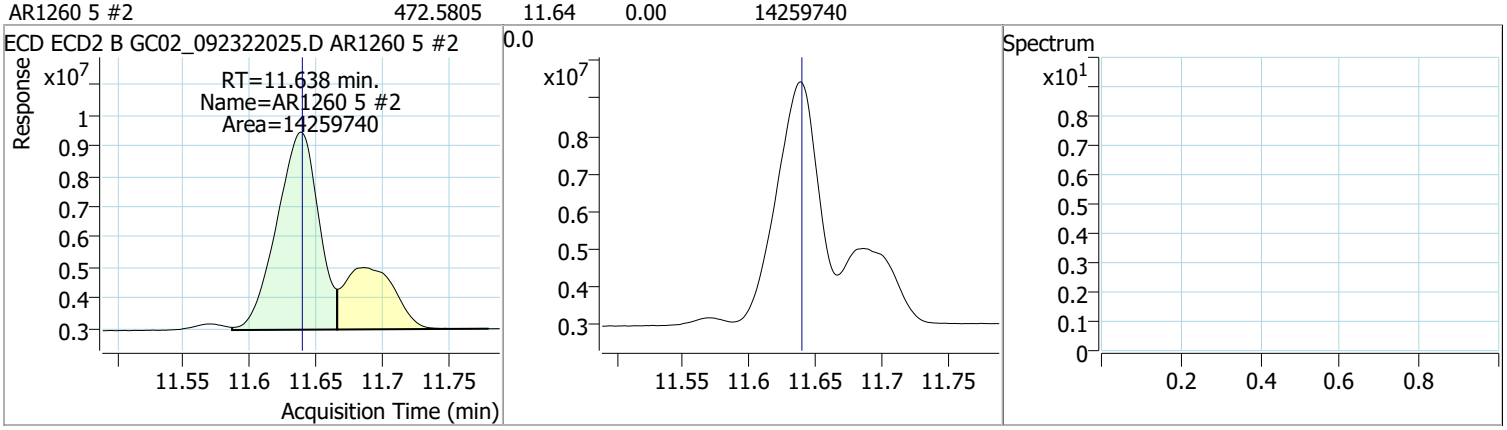
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	535.5987	10.71	0.00	361960027				



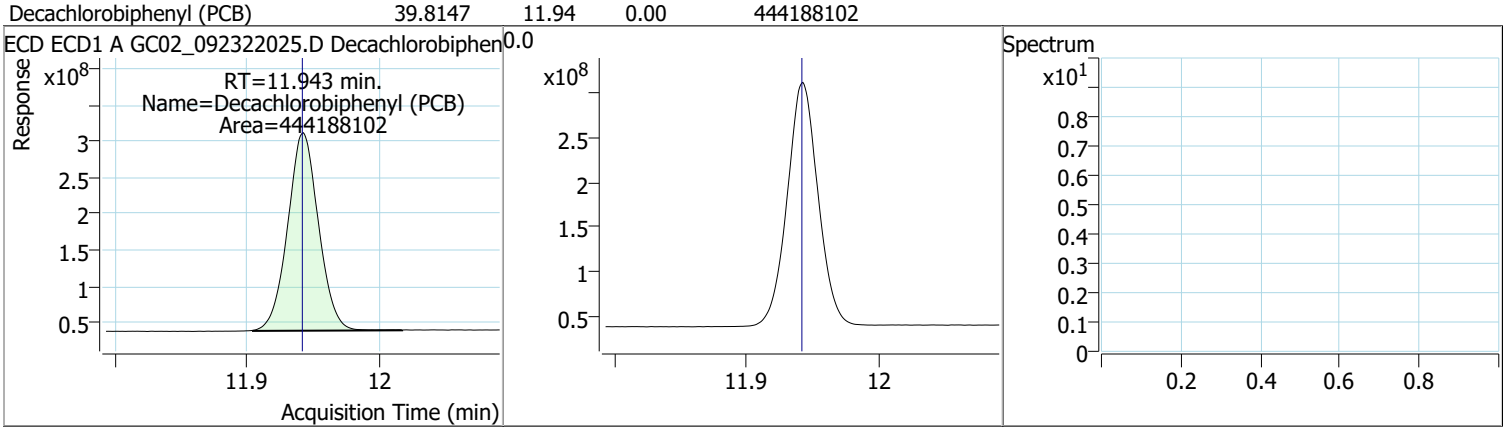
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	463.3431	10.97	0.00	9317000				



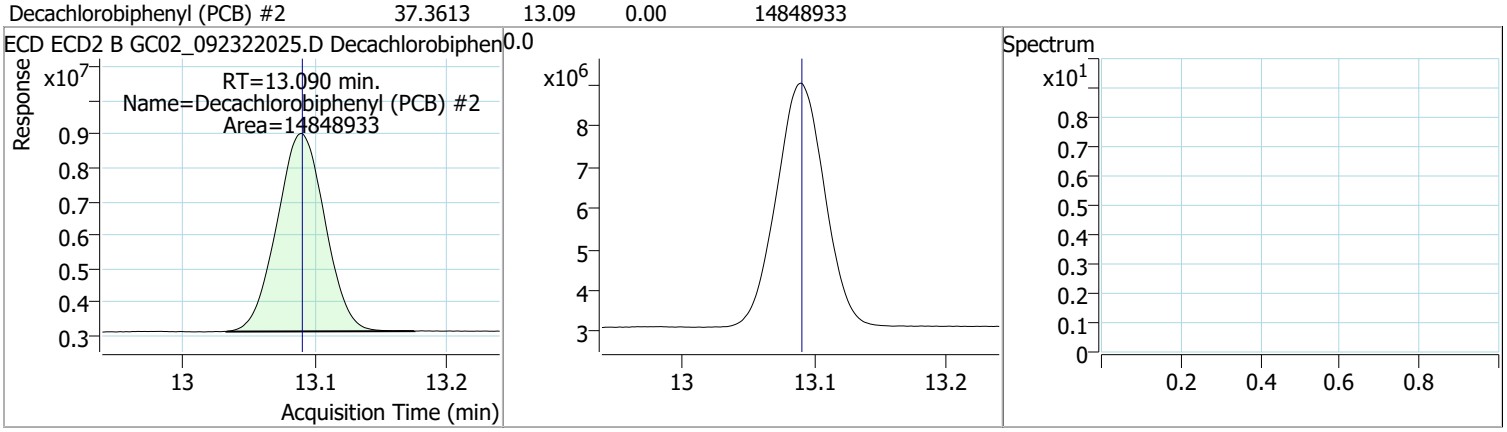
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	472.5805	11.64	0.00	14259740				



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

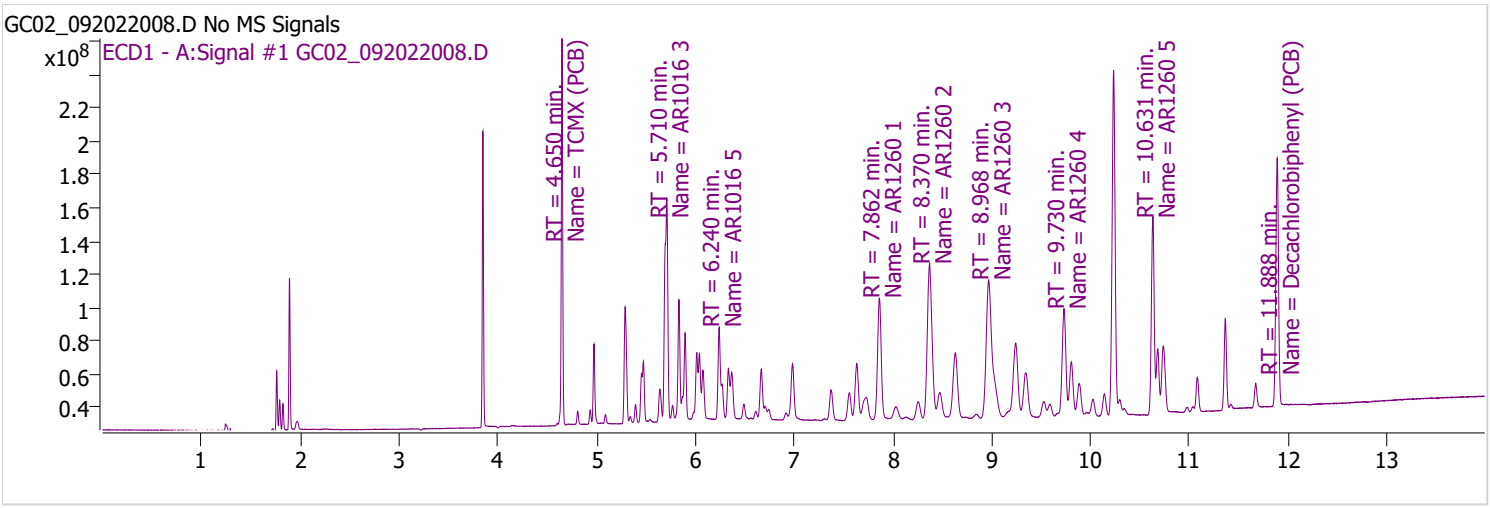
TRN 09/26/22 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

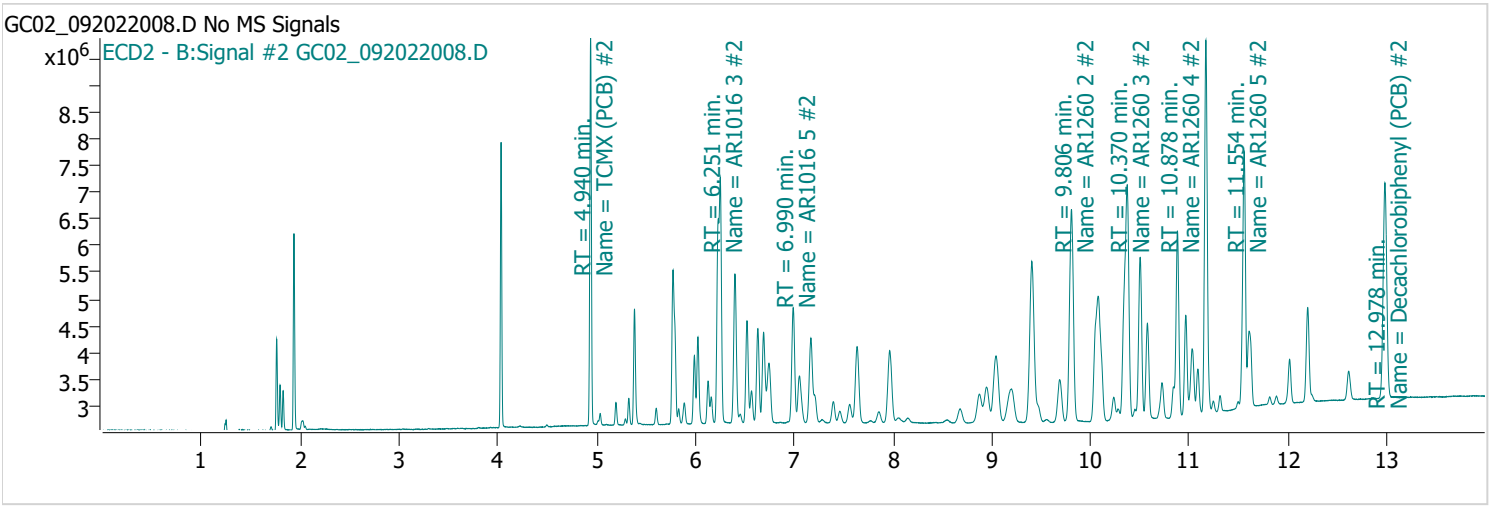
+=high bias c=CCV

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			



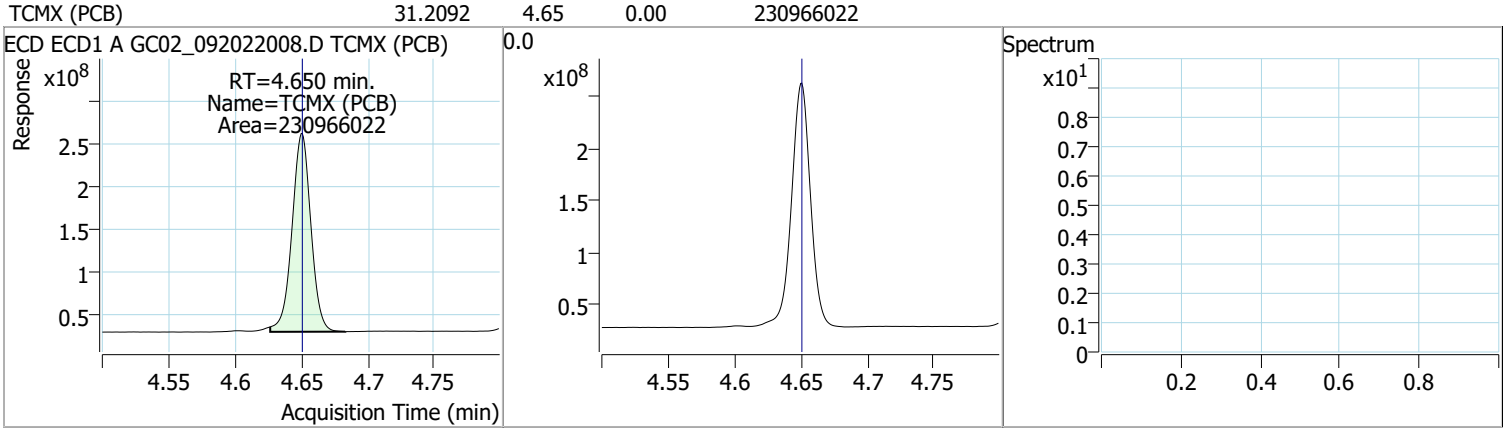


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.850	0.0	156453134.113	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.033	0.0	5202549.560	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.650	0.0	230966022.217	31.2092	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

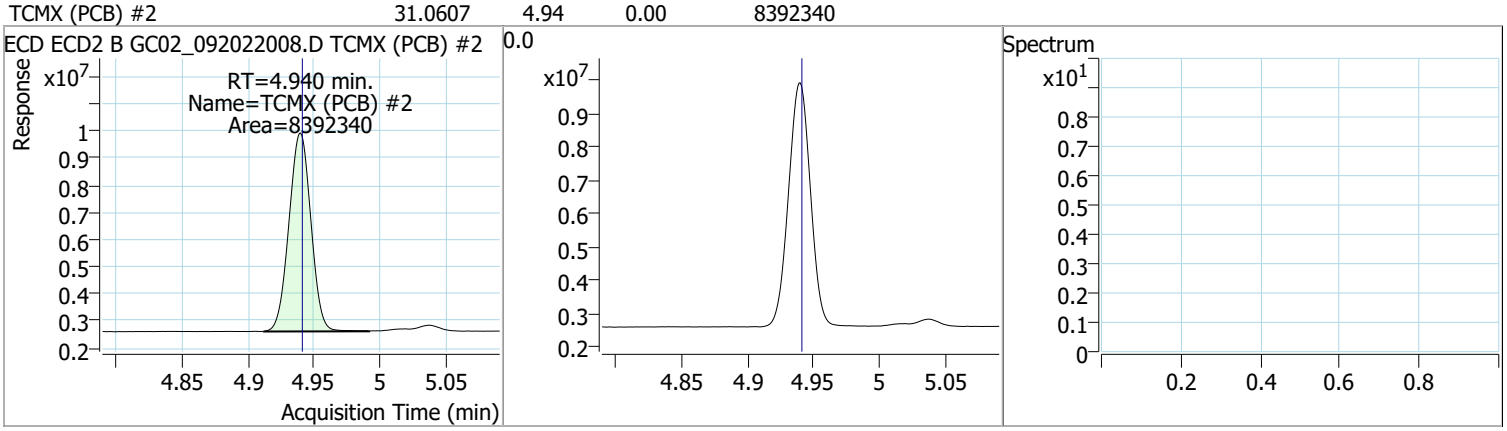
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.974	0.0	56408845.126	409.9483	ng/ml		100
T AR1016 2	5.289	0.0	114012704.907	429.2085	ng/ml		100
T AR1016 1 #2	5.384	0.0	2902636.940	441.5490	ng/ml		100
T AR1016 3	5.710	0.0	197842755.421	494.1979	ng/ml	m	100
T AR1016 2 #2	5.774	0.0	6172173.503	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

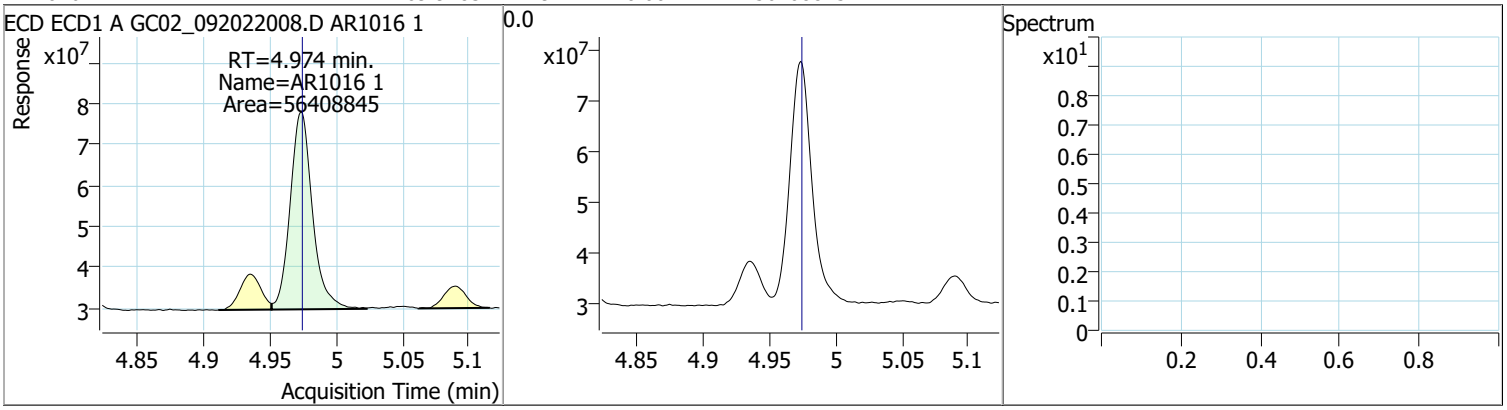
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.2092	4.65	0.00	230966022				



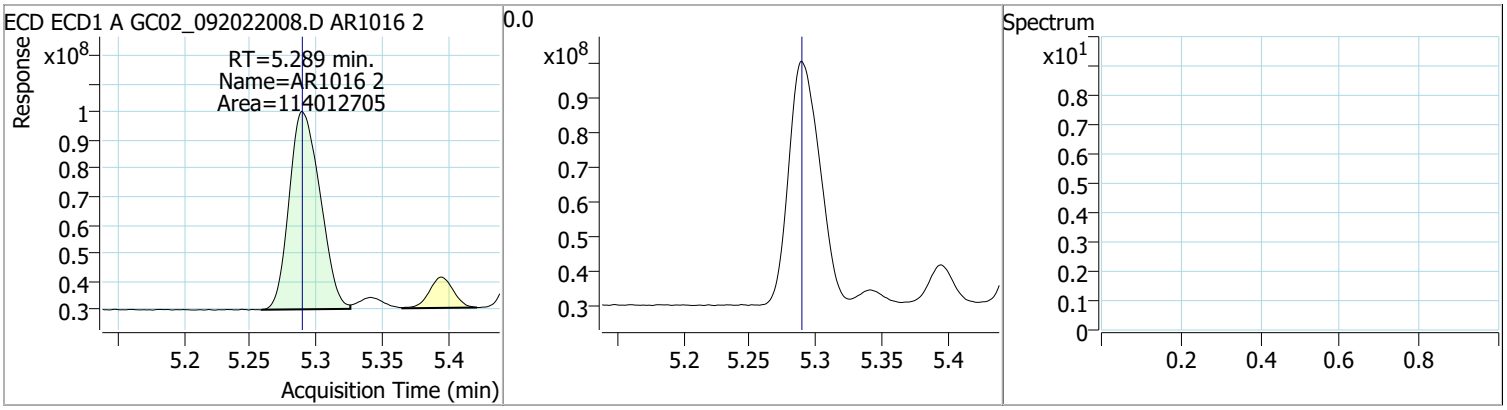
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.0607	4.94	0.00	8392340				



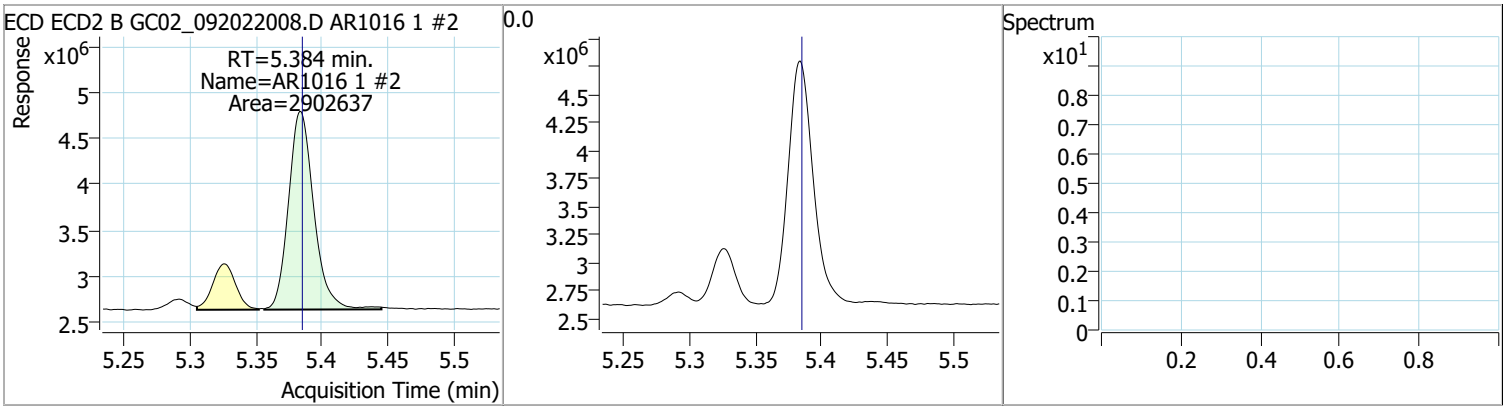
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	409.9483	4.97	0.00	56408845				



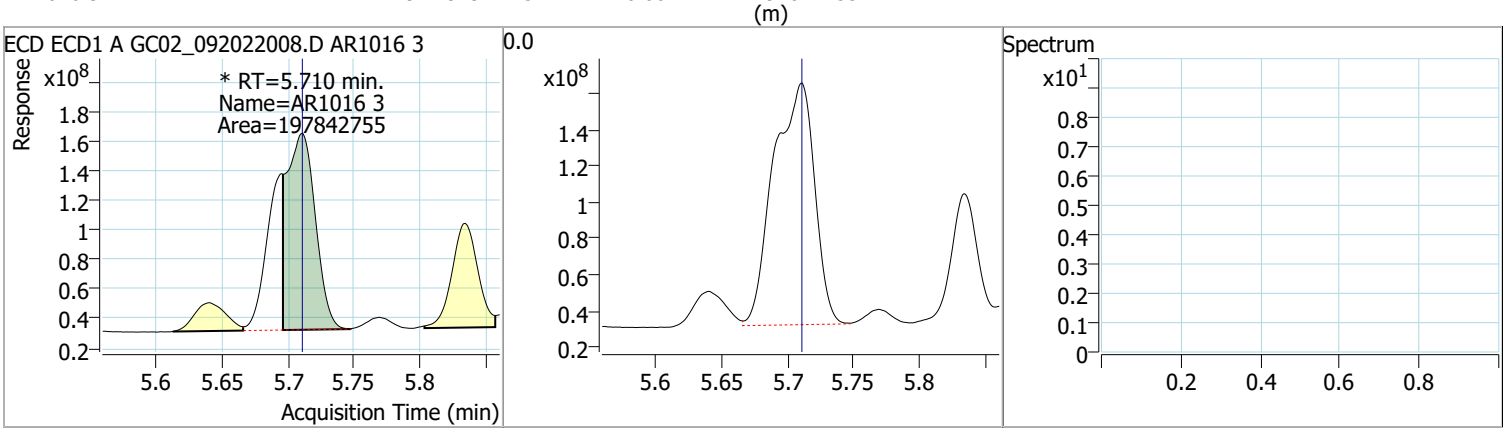
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	429.2085	5.29	0.00	114012705				



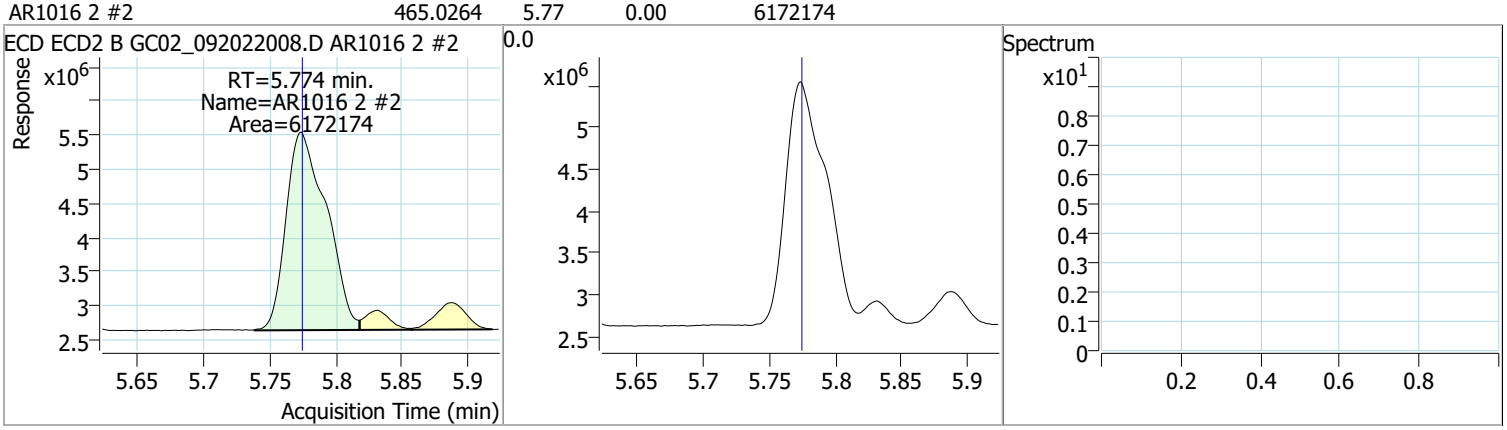
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	441.5490	5.38	0.00	2902637				



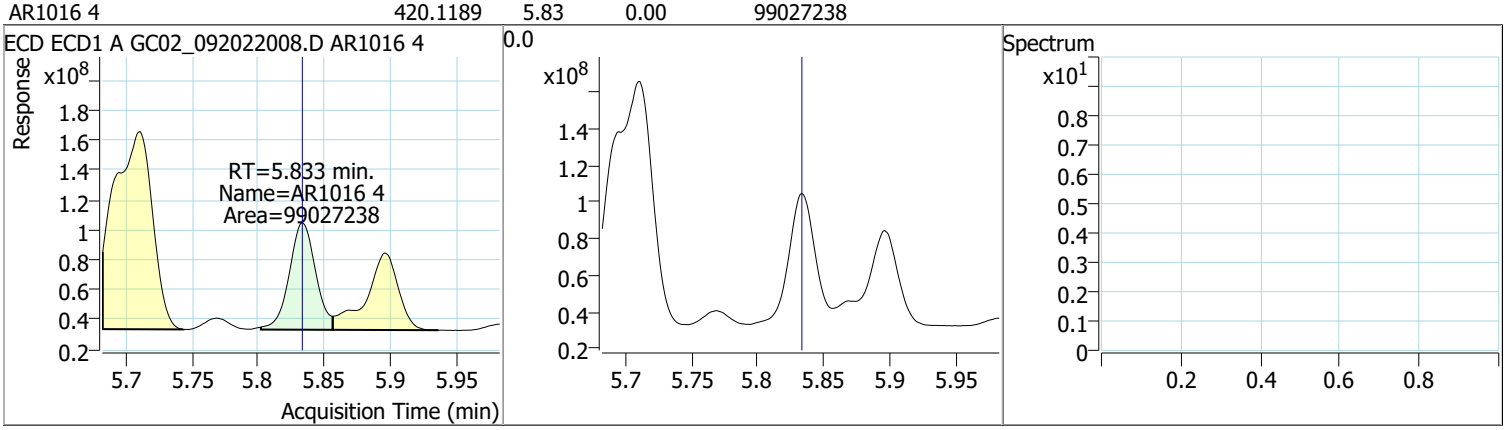
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	494.1979	5.71	0.00	197842755 (m)				



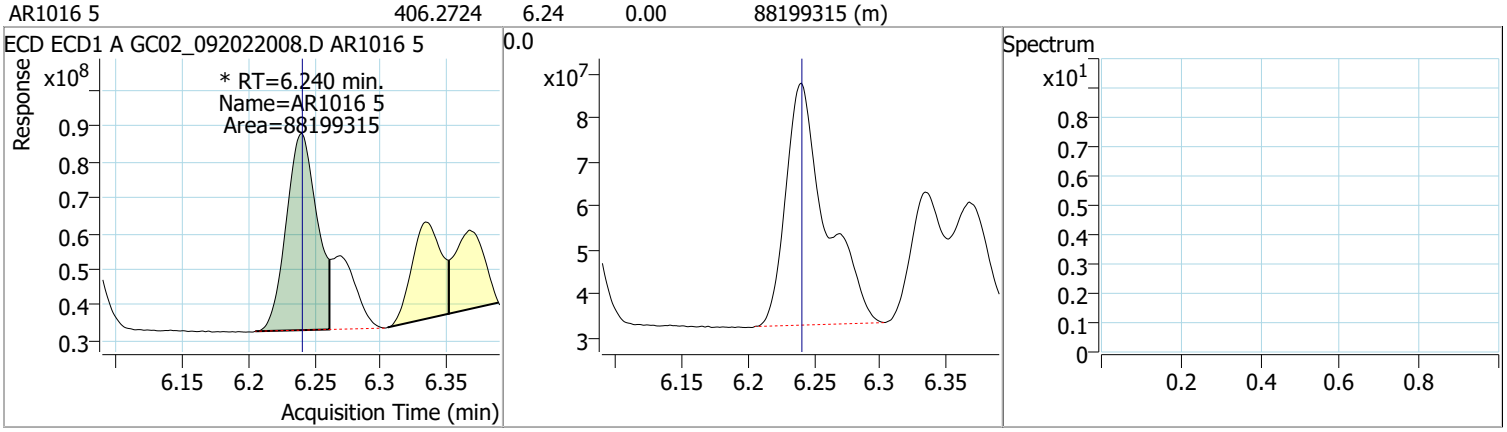
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	465.0264	5.77	0.00	6172174				



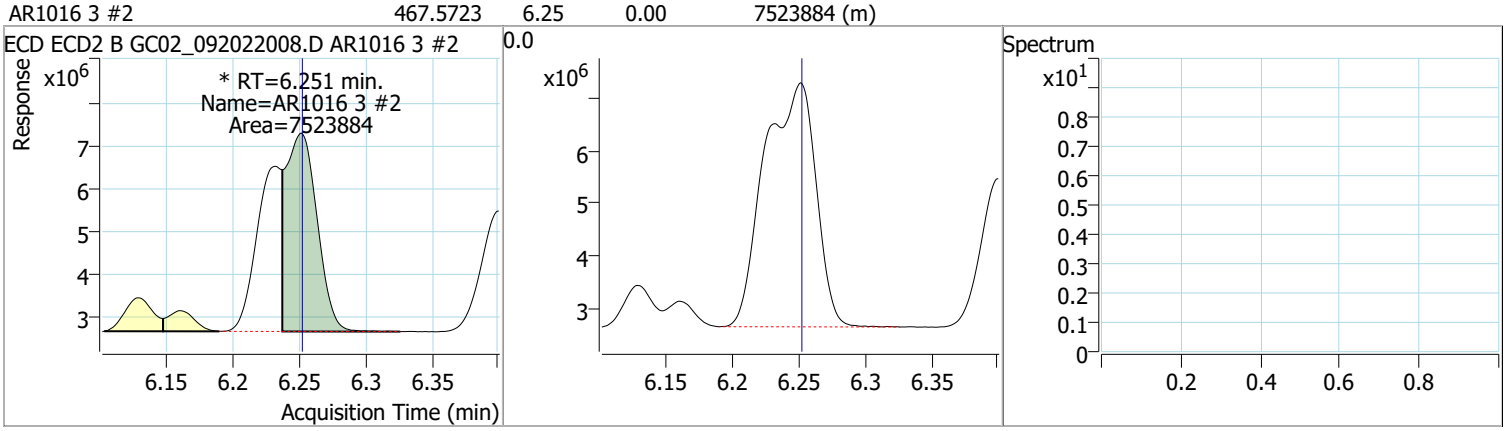
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	420.1189	5.83	0.00	99027238				



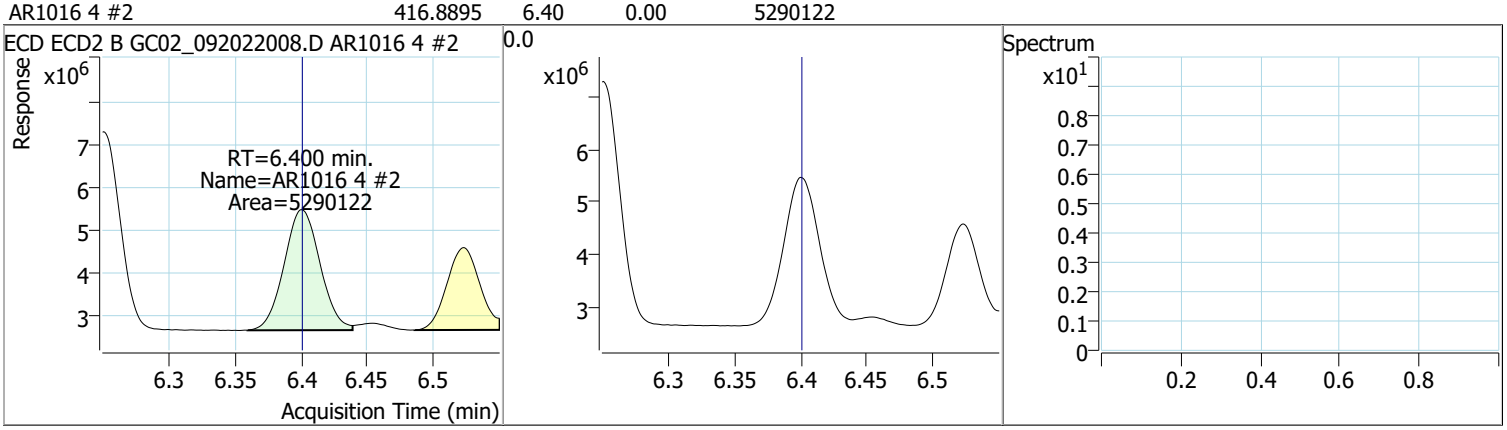
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	406.2724	6.24	0.00	88199315 (m)				



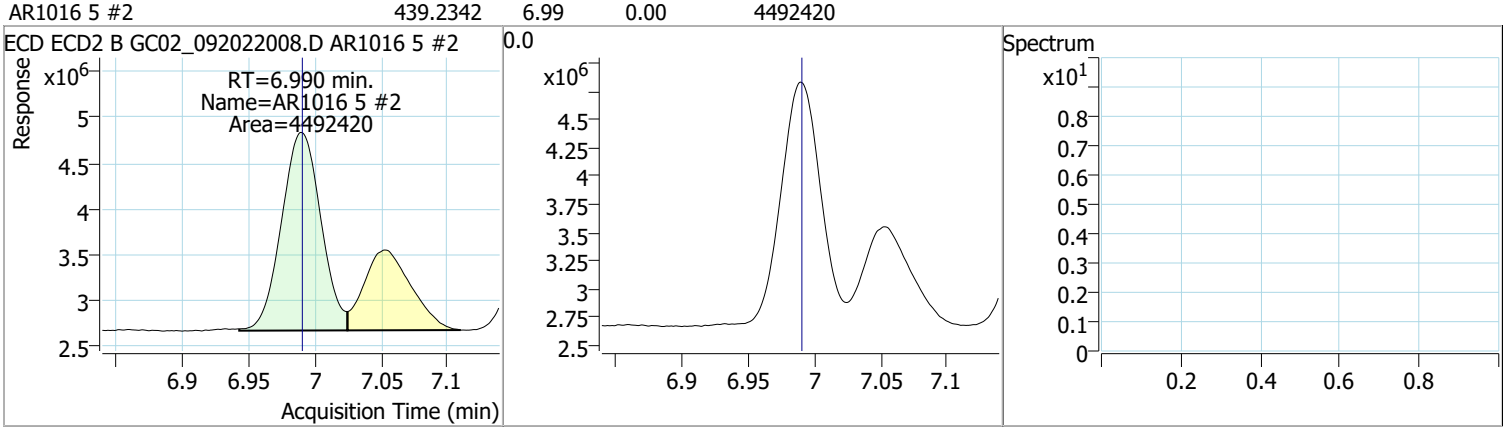
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	467.5723	6.25	0.00	7523884 (m)				



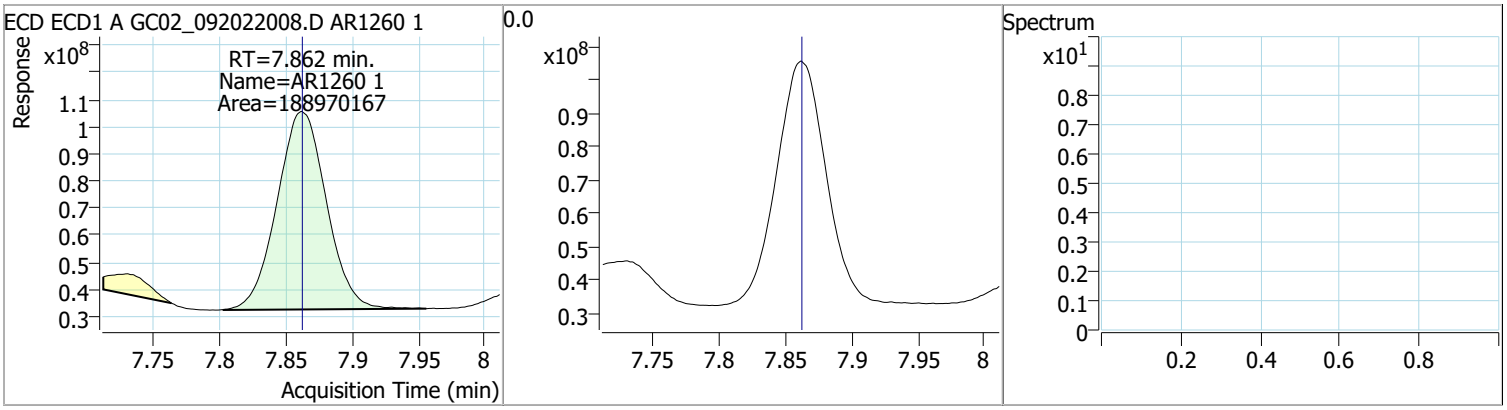
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	416.8895	6.40	0.00	5290122				



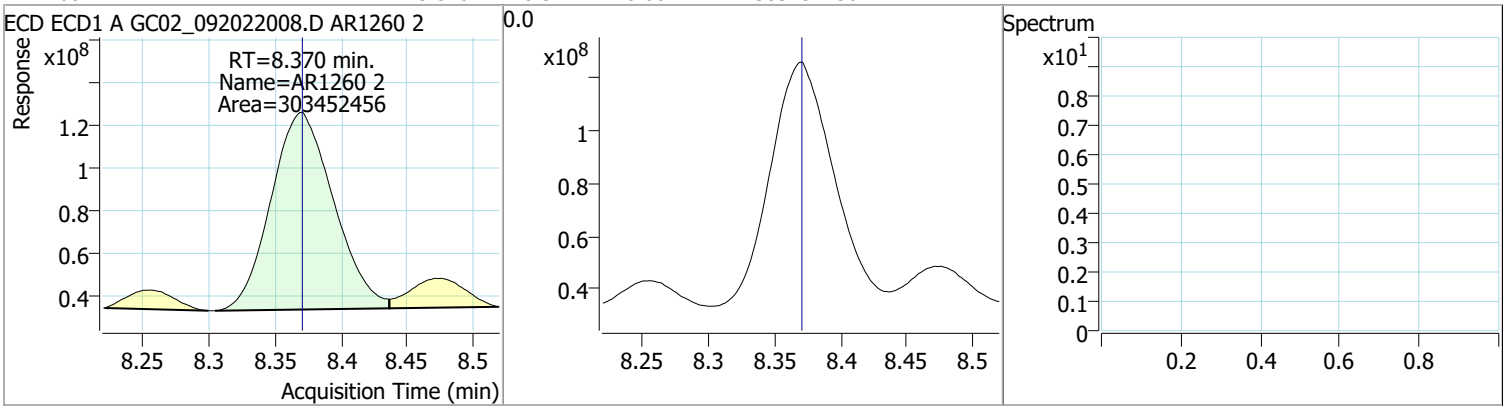
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	439.2342	6.99	0.00	4492420				



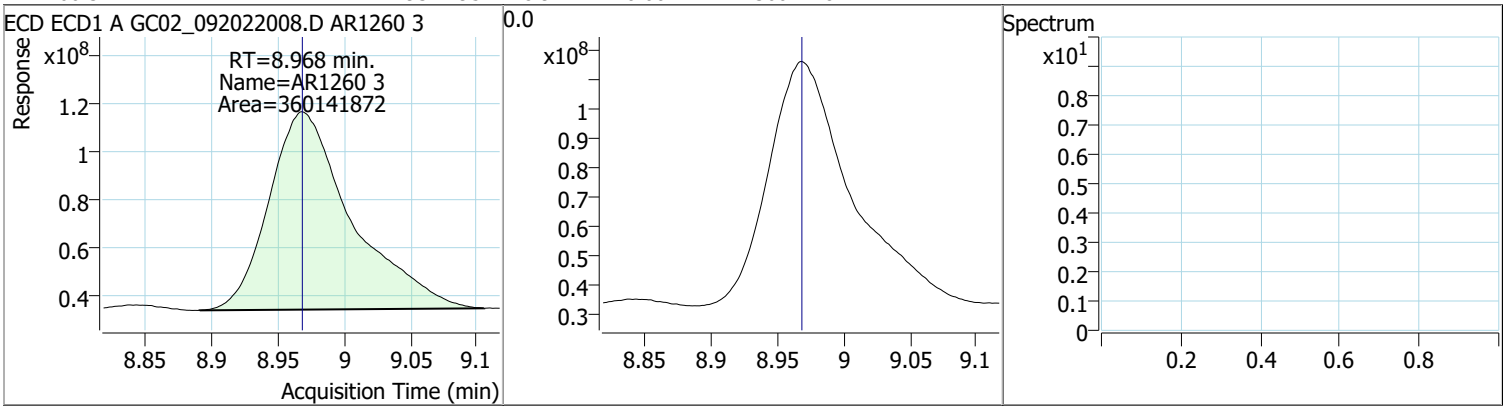
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	450.8001	7.86	0.00	188970167				



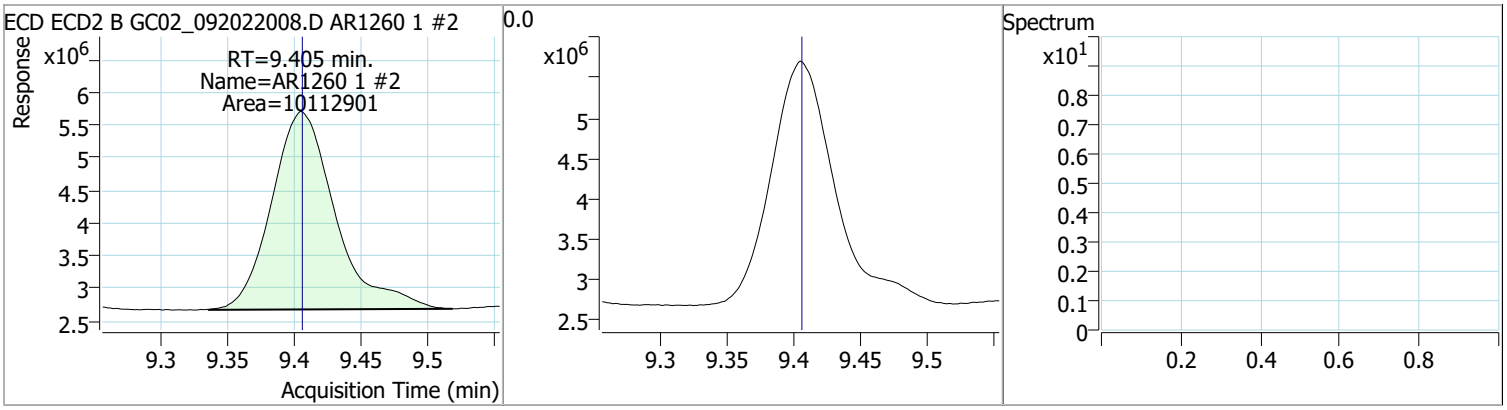
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	473.5757	8.37	0.00	303452456				



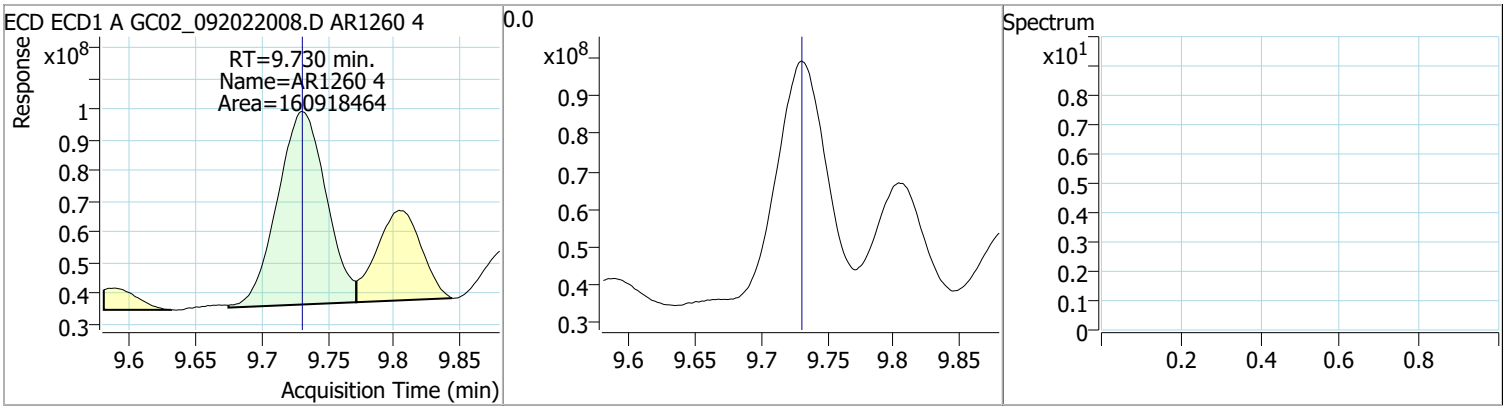
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	493.4495	8.97	0.00	360141872				



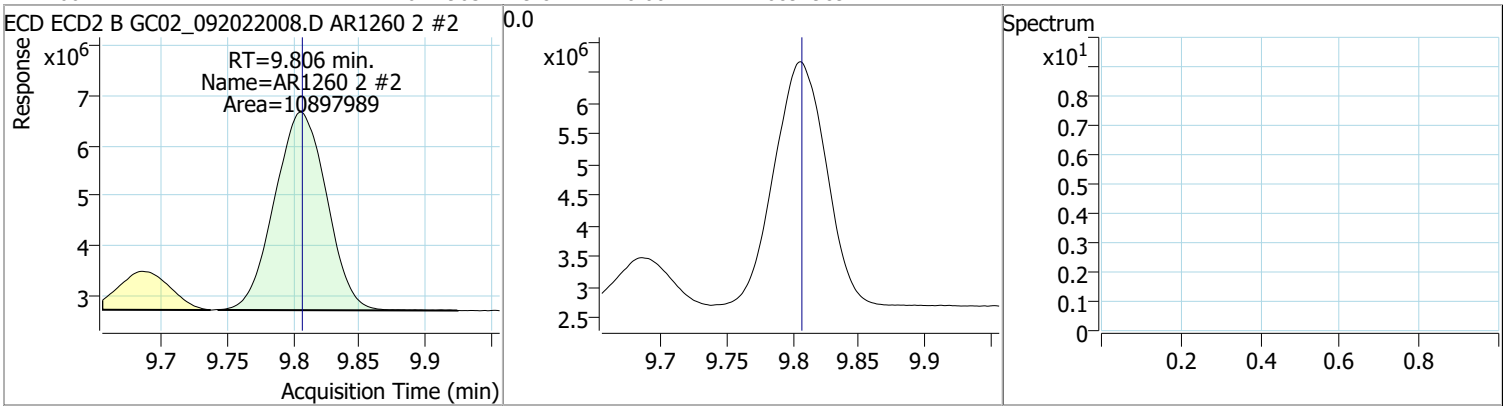
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	485.3324	9.40	0.00	10112901				



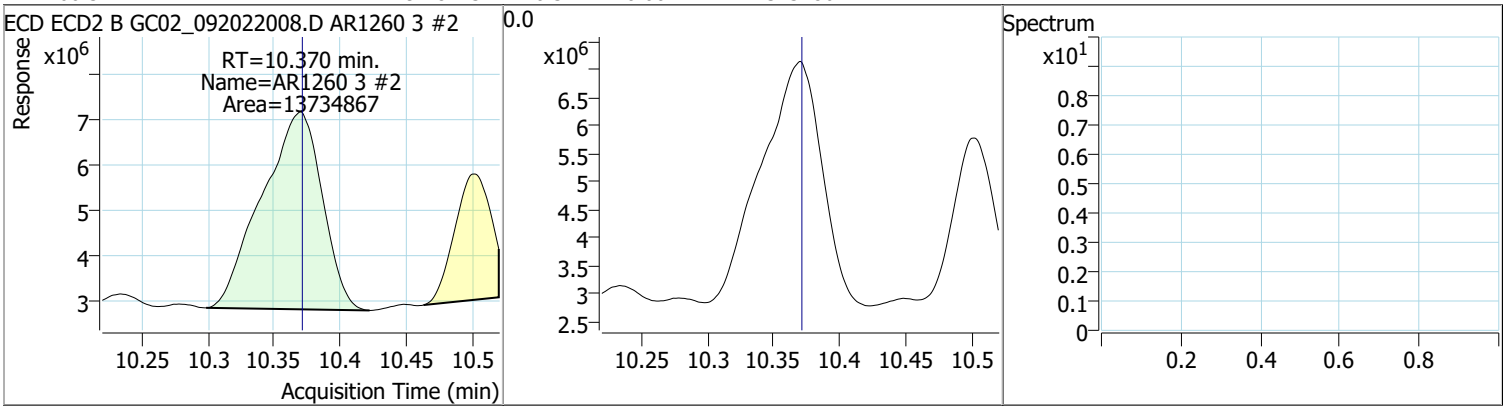
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	373.1954	9.73	0.00	160918464				



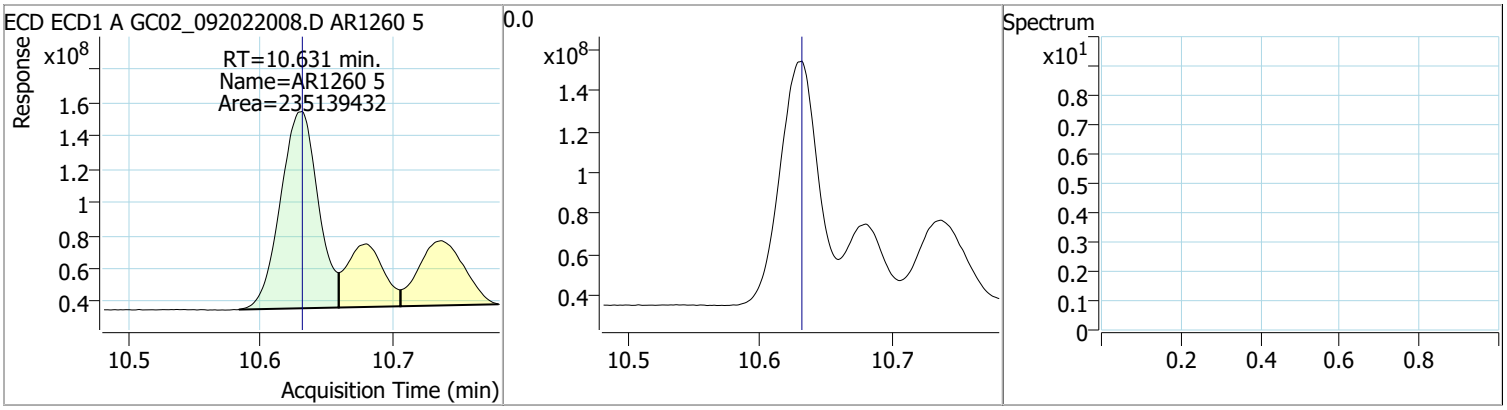
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	464.1903	9.81	0.00	10897989				



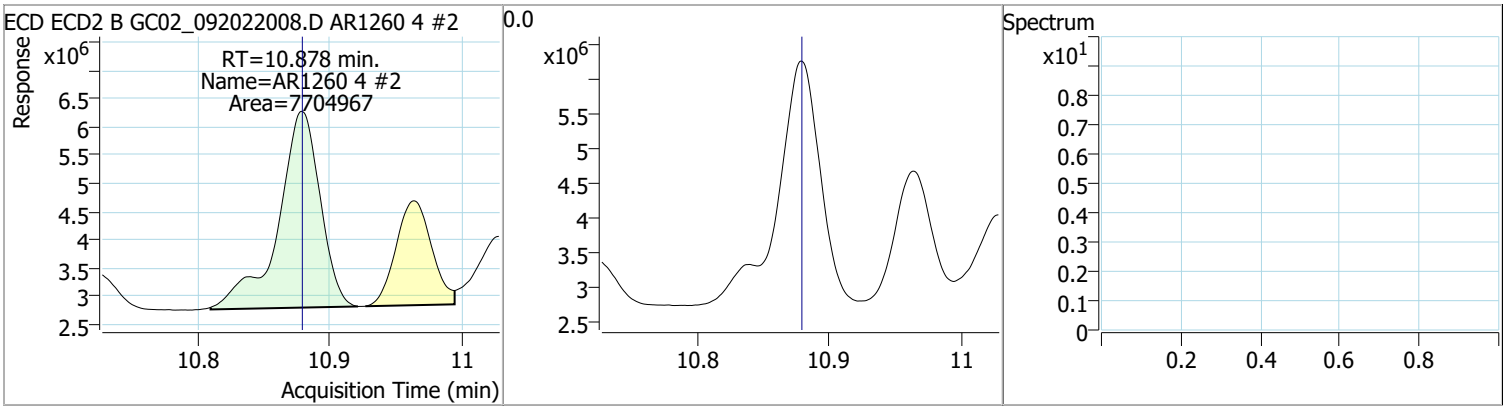
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	491.8713	10.37	0.00	13734867				



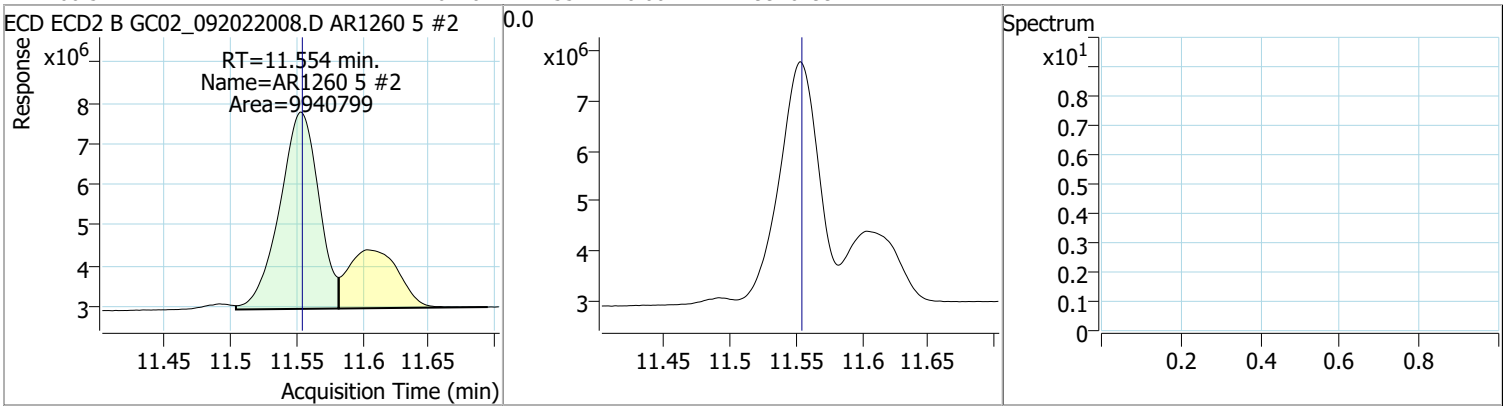
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	417.0274	10.63	0.00	235139432				



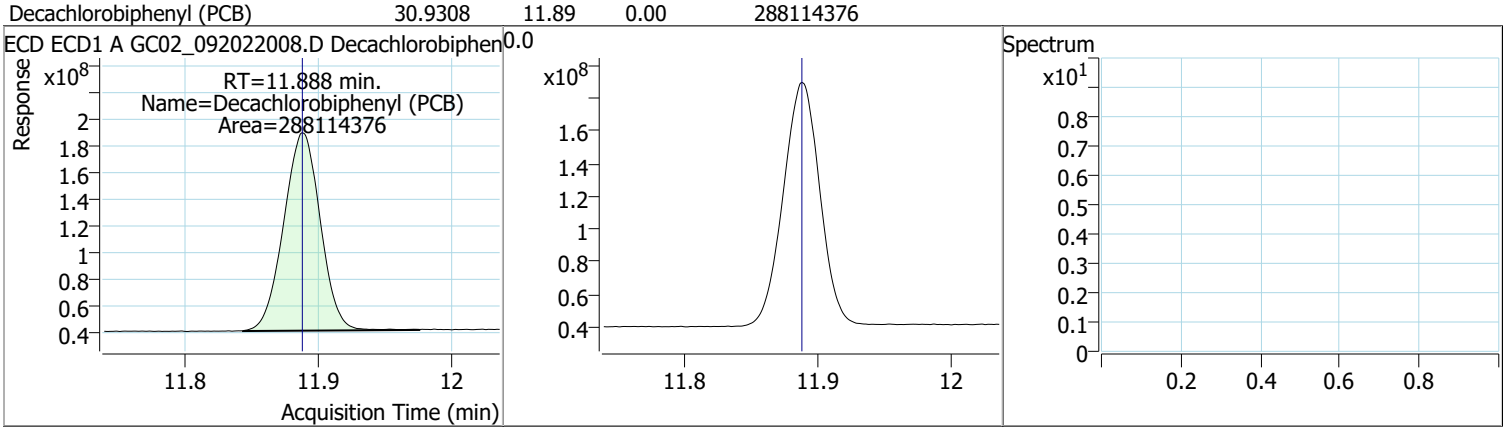
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	479.0524	10.88	0.00	7704967				



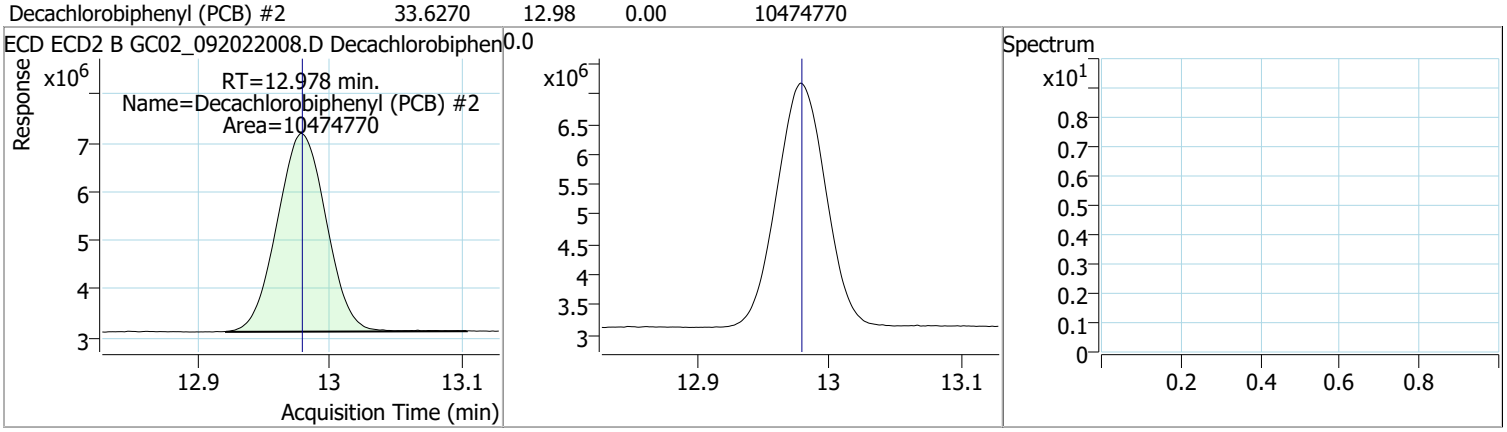
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	417.6770	11.55	0.00	9940799				



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

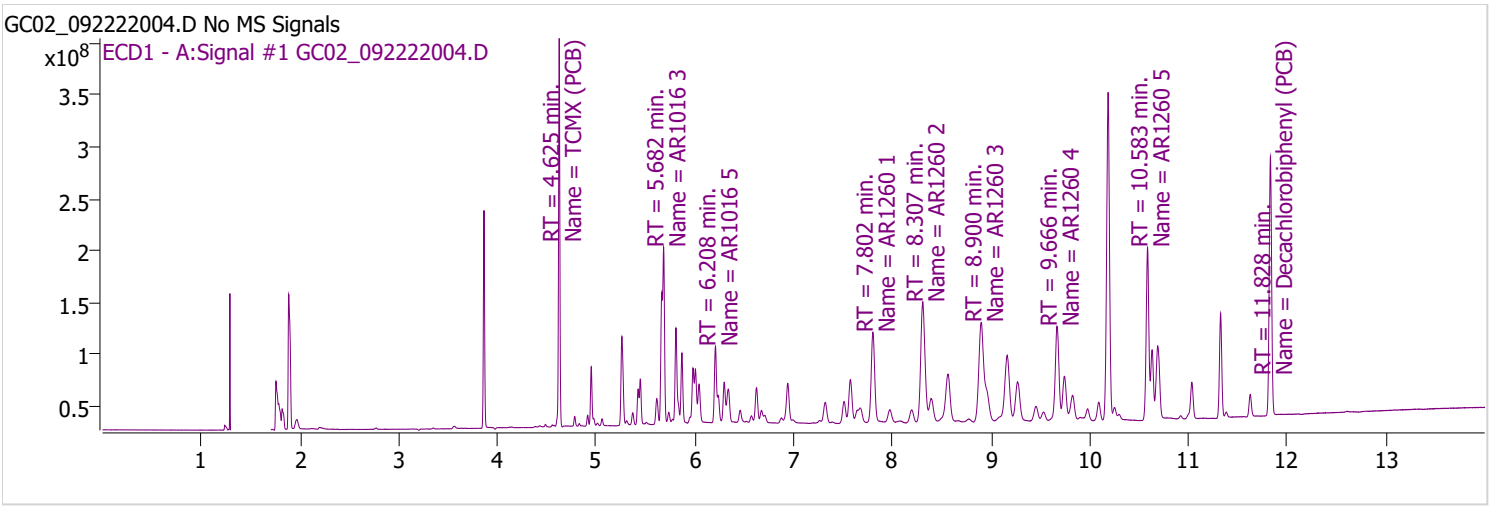
TRN 09/22/22 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

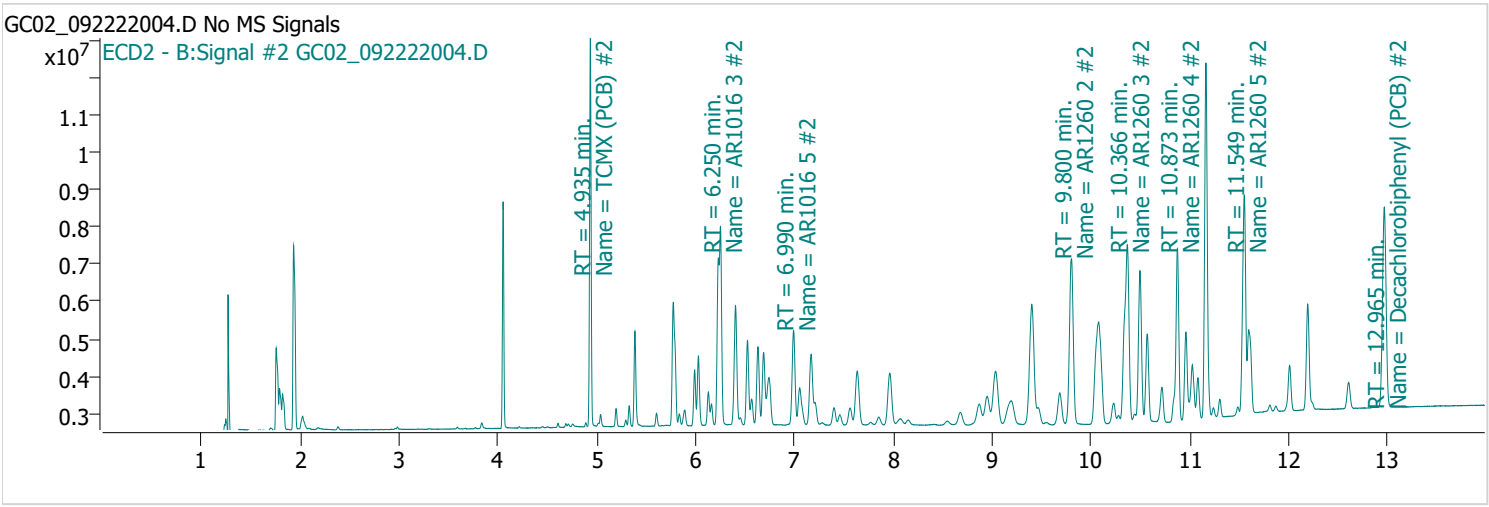
+=high bias c=CCV

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			



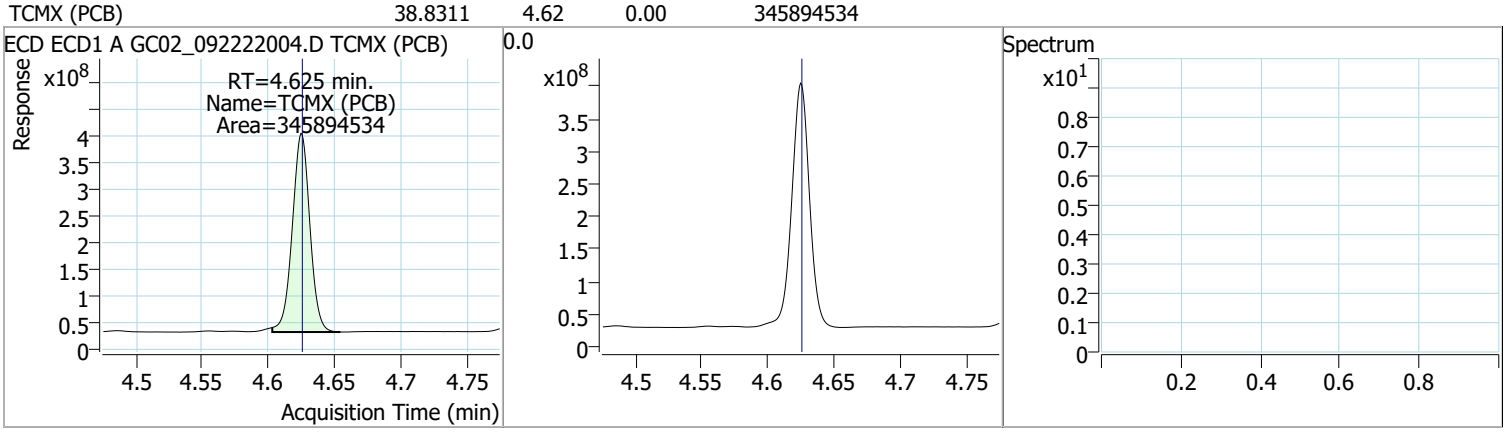


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.863	0.0	188314131.528	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.052	0.0	5891658.122	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.625	0.0	345894534.356	38.8311	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

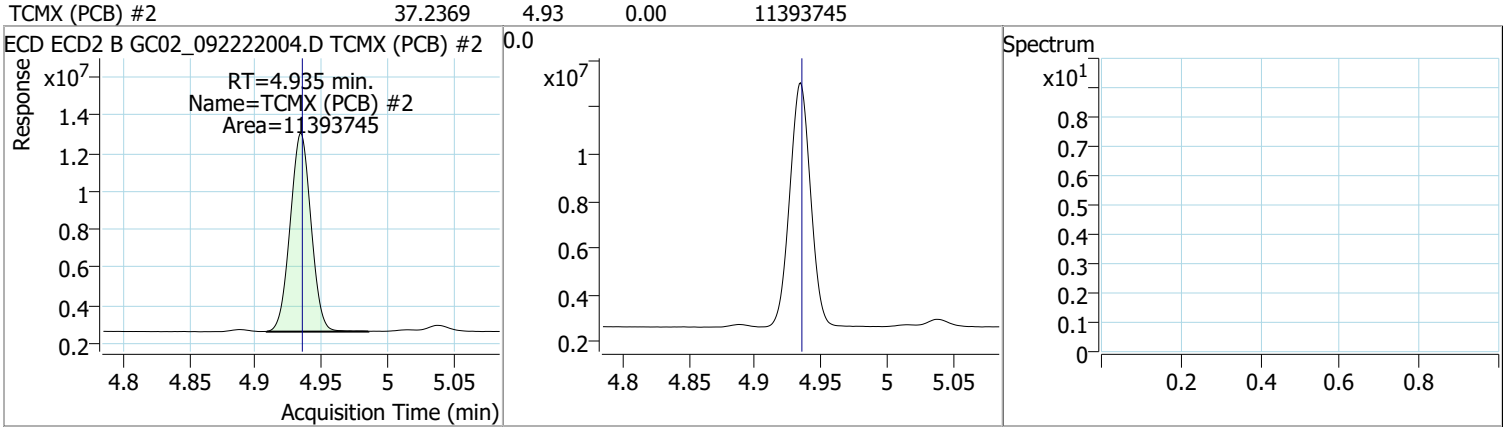
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.950	0.0	62138913.379	375.1862	ng/ml		100
T AR1016 2	5.260	0.0	128190220.345	400.9326	ng/ml		100
T AR1016 1 #2	5.385	0.0	3338383.982	448.4367	ng/ml		100
T AR1016 3	5.682	0.0	216317791.887	448.9256	ng/ml	m	100
T AR1016 2 #2	5.773	0.0	6844002.761	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

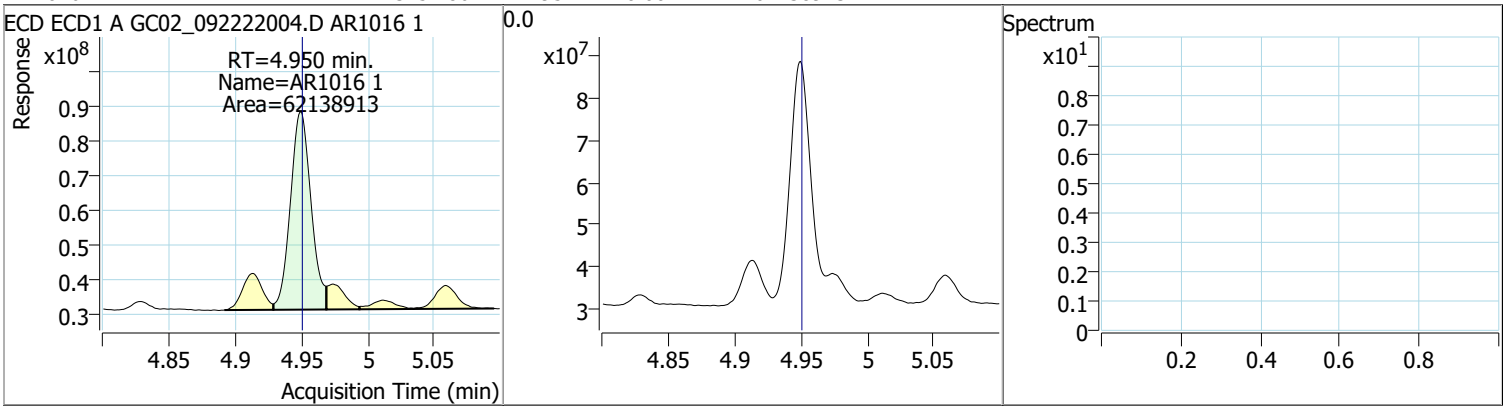
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	38.8311	4.62	0.00	345894534				



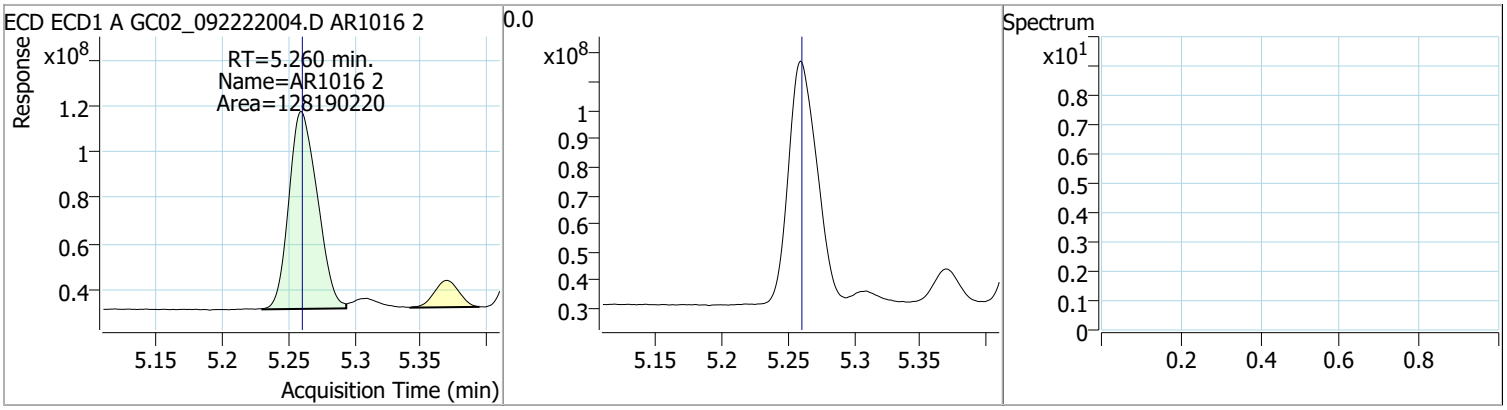
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.2369	4.93	0.00	11393745				



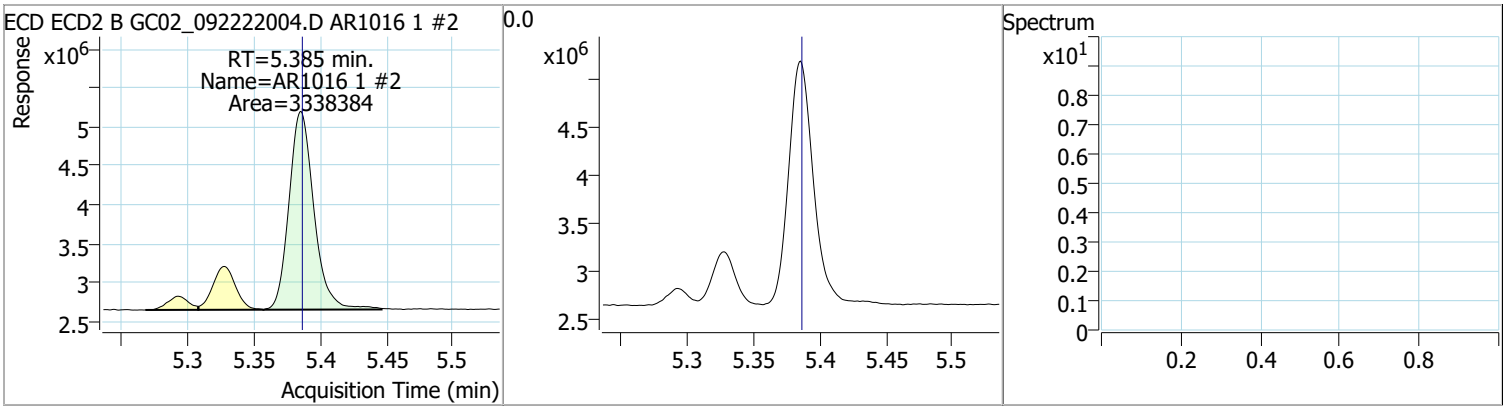
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	375.1862	4.95	0.00	62138913				



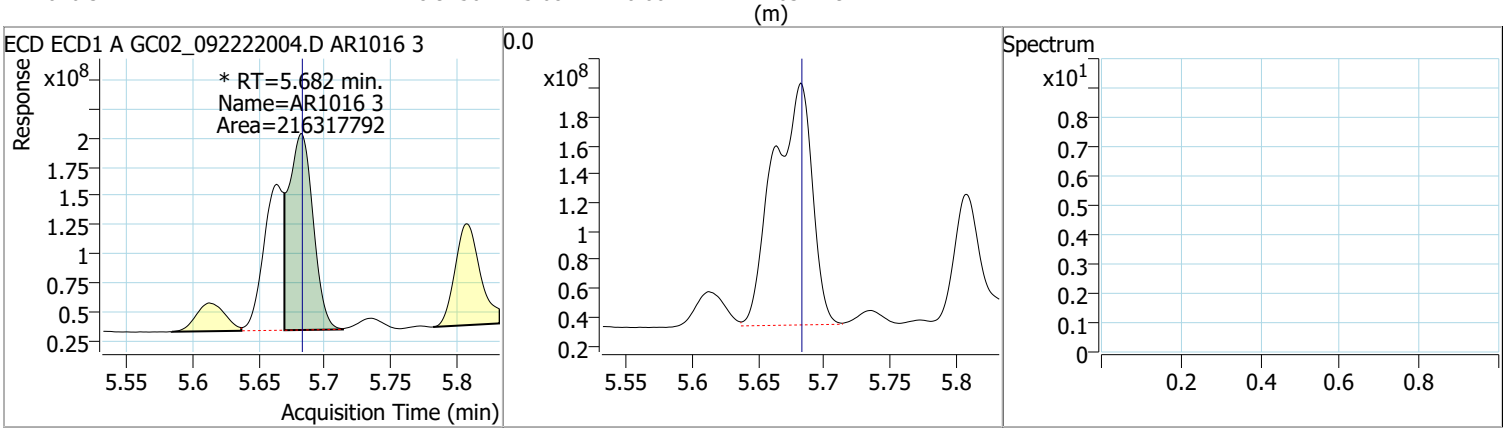
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	400.9326	5.26	0.00	128190220				



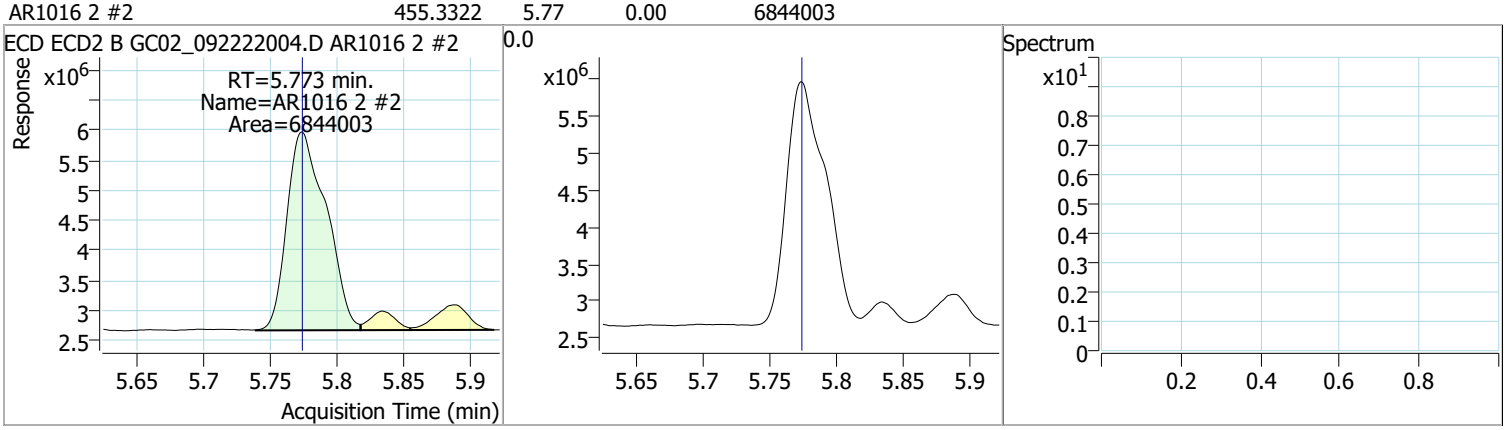
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	448.4367	5.39	0.00	3338384				



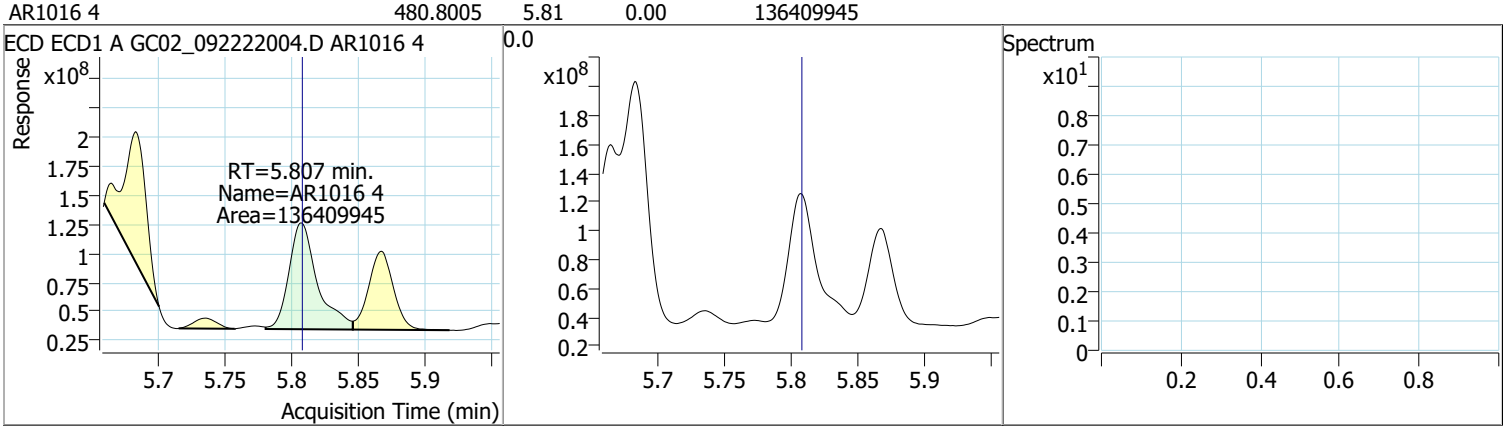
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	448.9256	5.68	0.00	216317792 (m)				



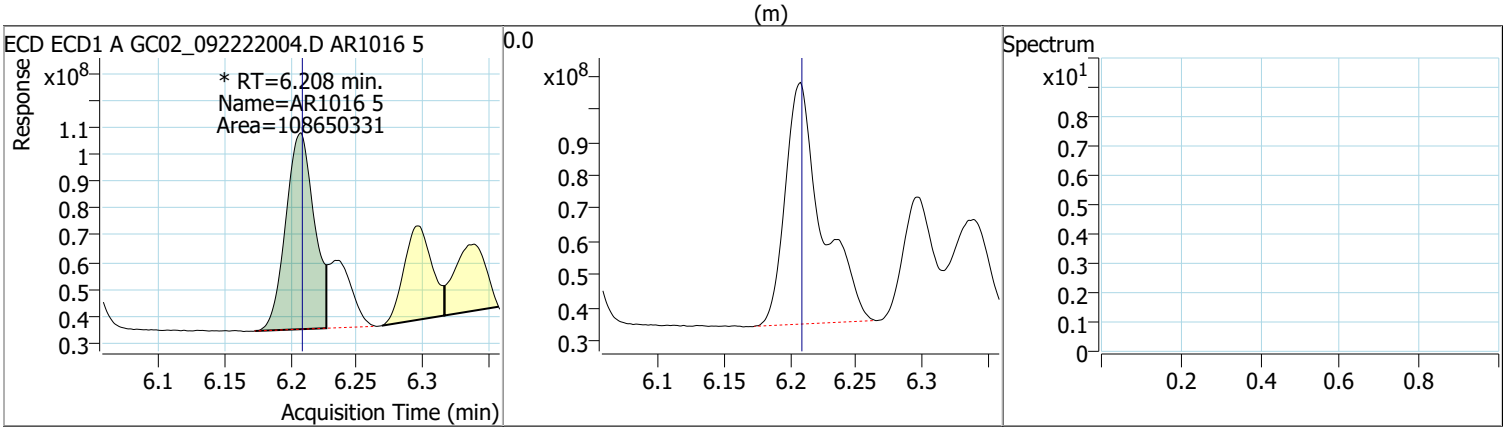
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	455.3322	5.77	0.00	6844003				



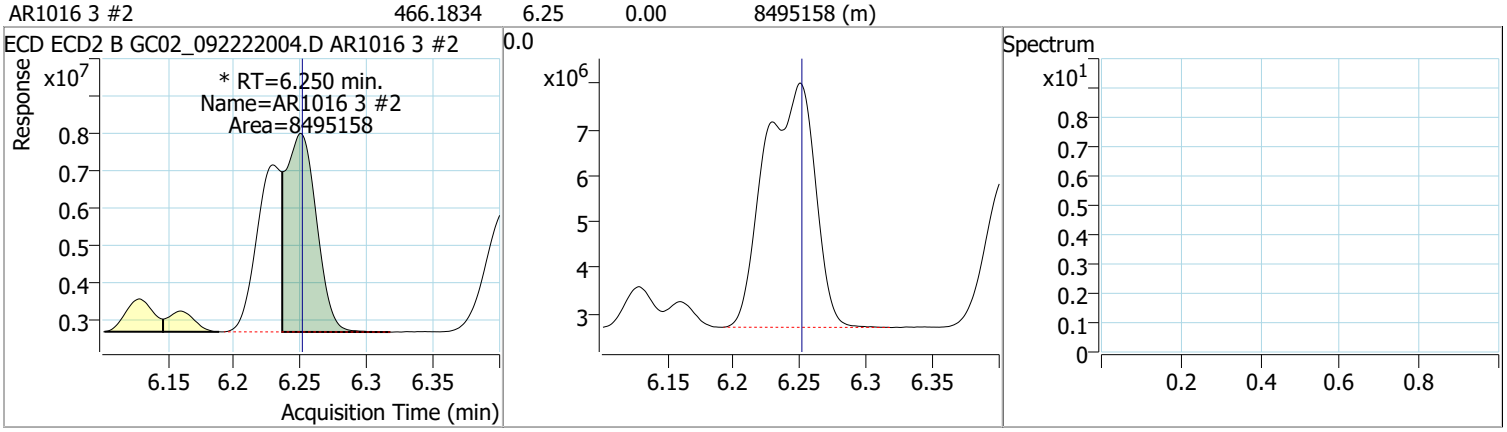
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	480.8005	5.81	0.00	136409945				



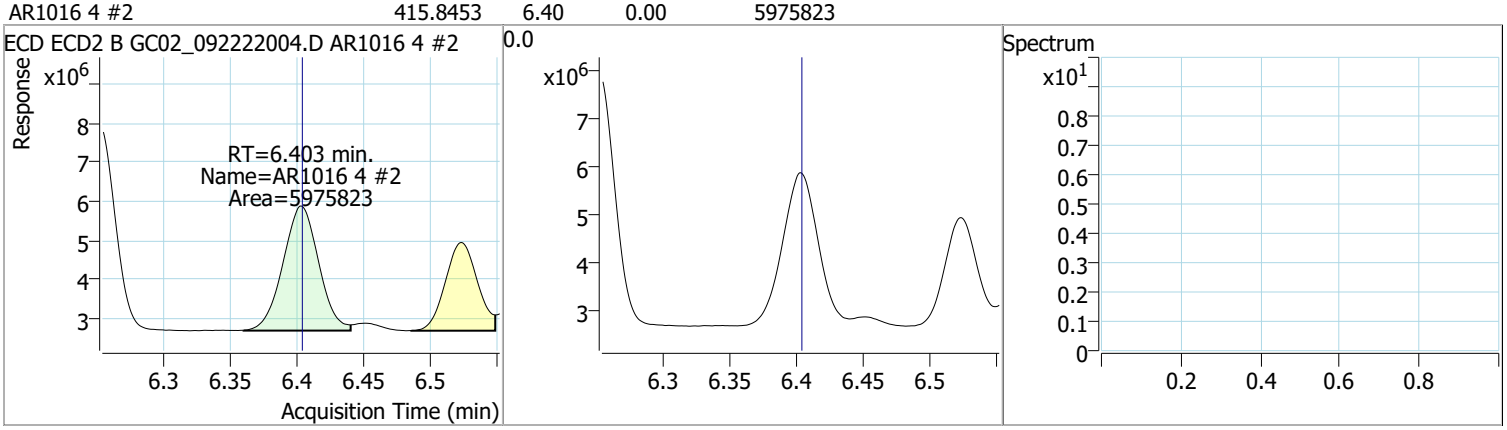
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	415.8000	6.21	0.00	108650331 (m)				



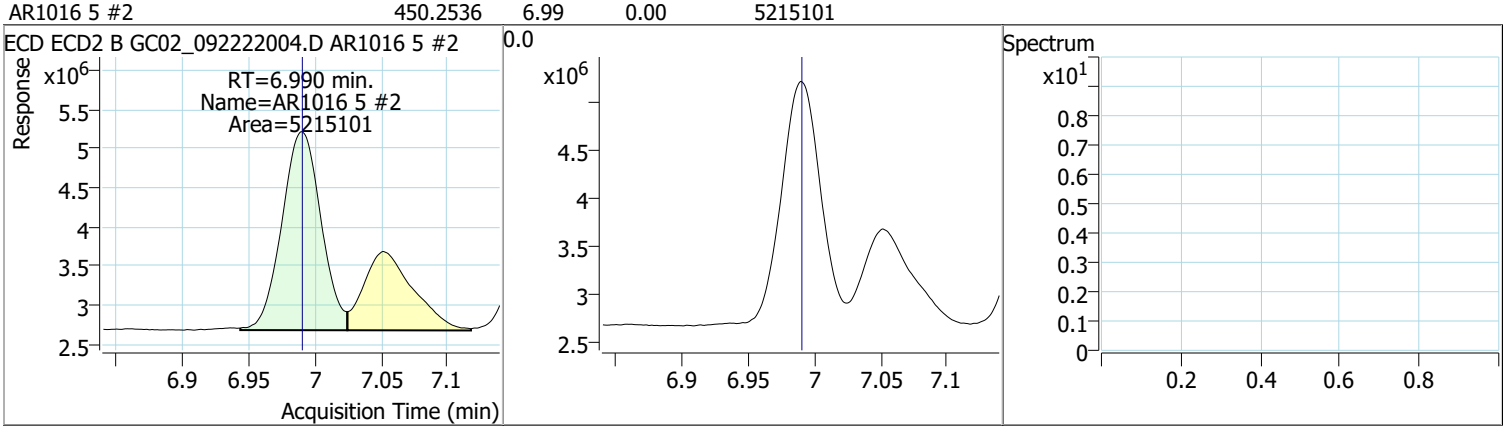
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	466.1834	6.25	0.00	8495158 (m)				



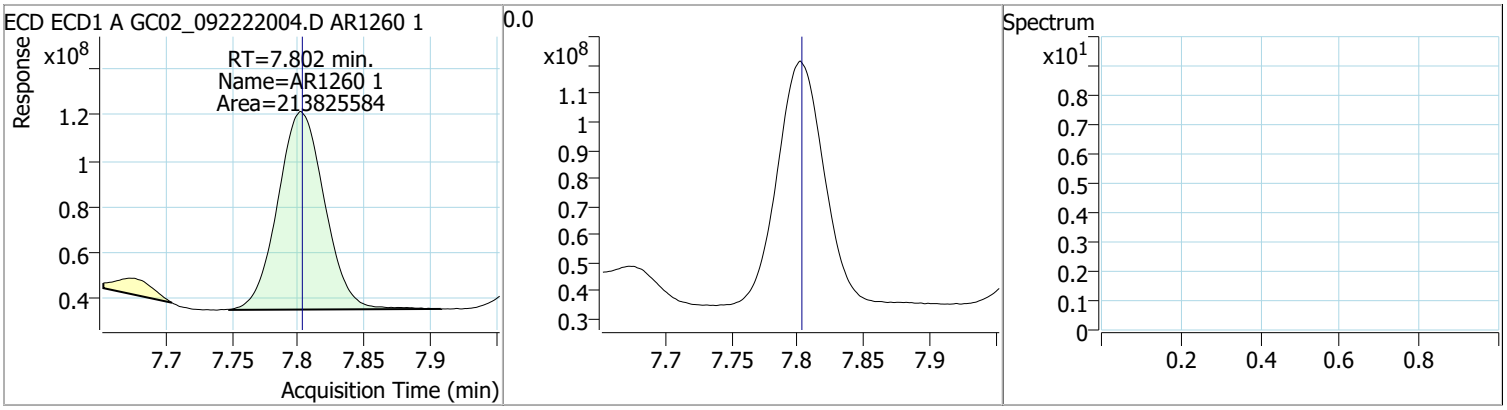
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	415.8453	6.40	0.00	5975823				



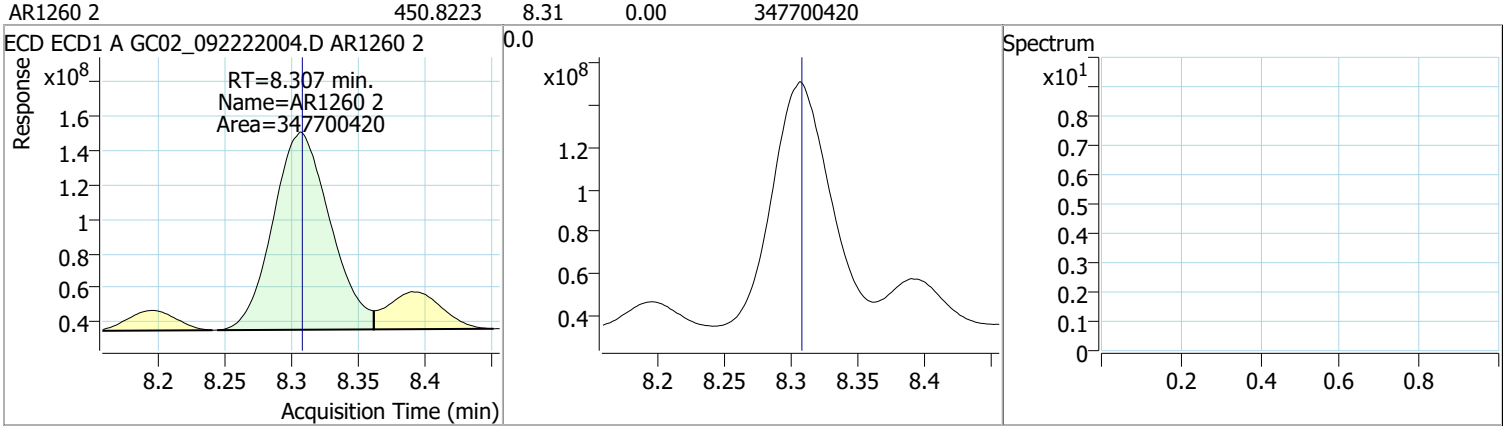
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	450.2536	6.99	0.00	5215101				



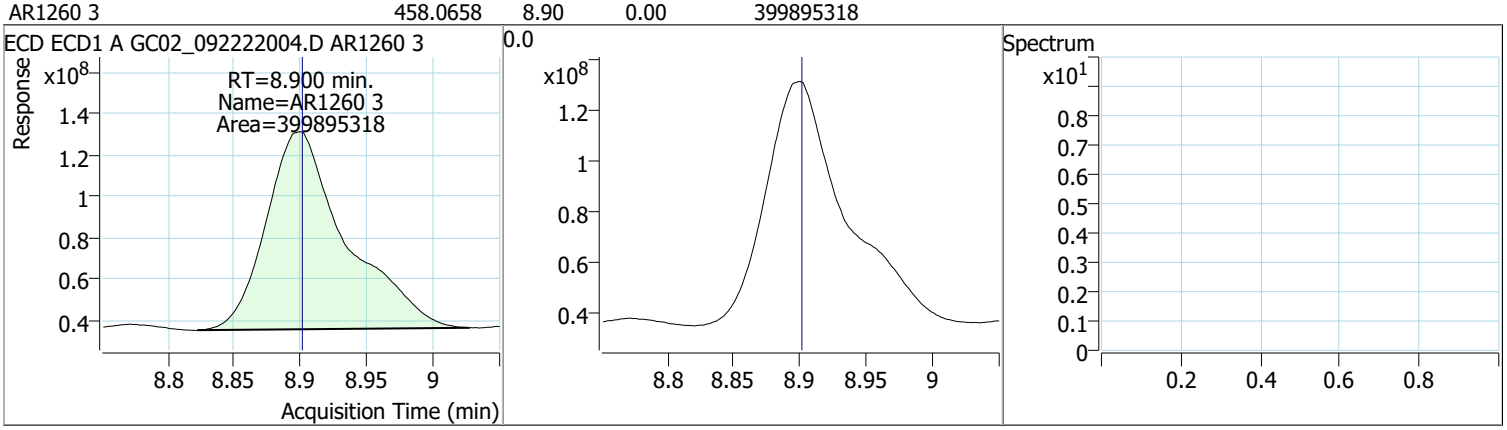
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	423.7911	7.80	0.00	213825584				



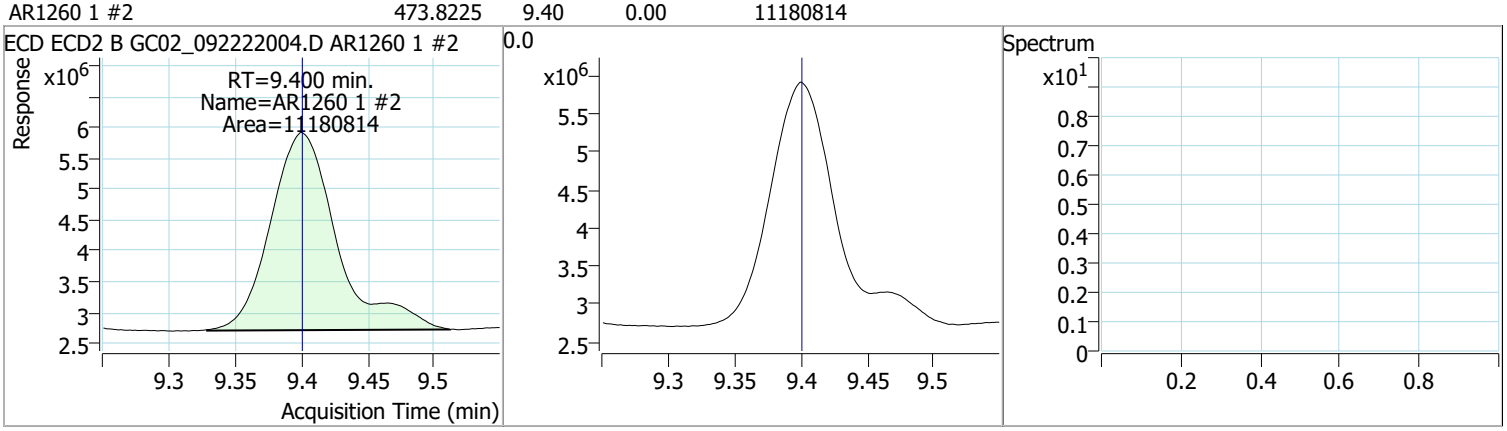
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	450.8223	8.31	0.00	347700420				



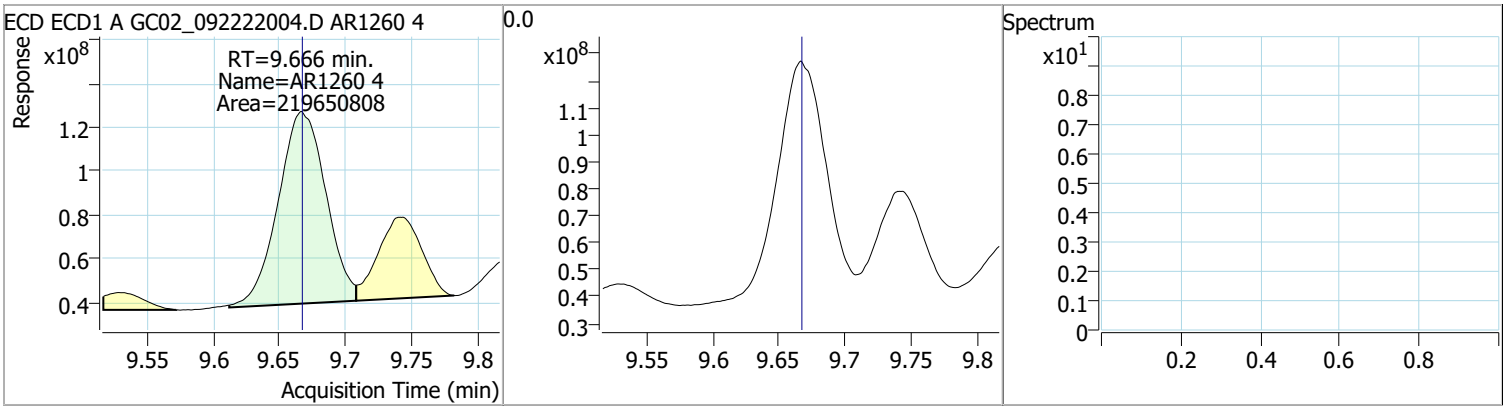
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	458.0658	8.90	0.00	399895318				



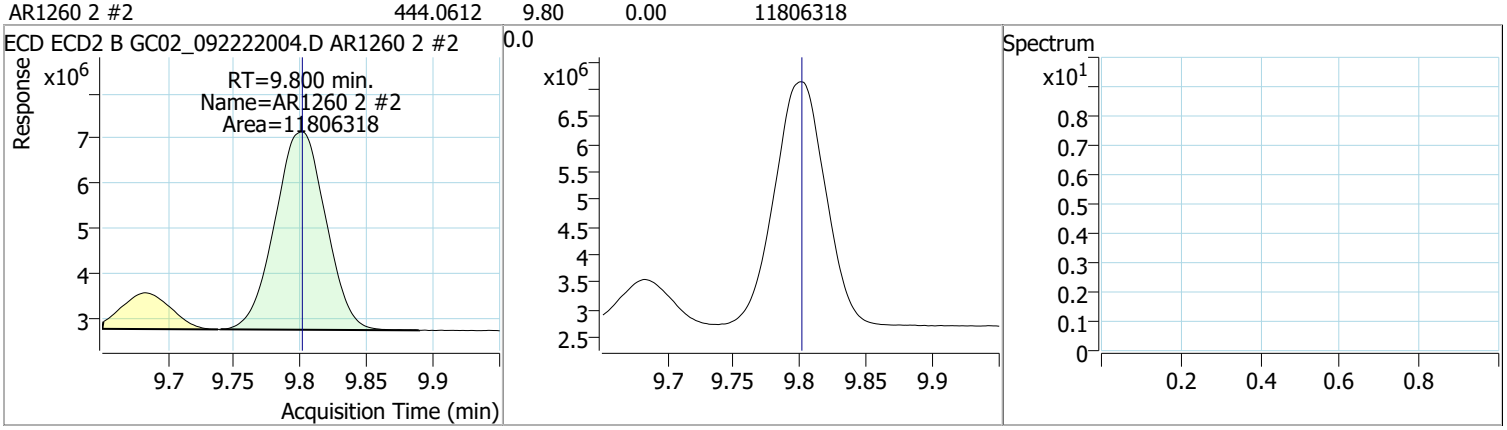
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	473.8225	9.40	0.00	11180814				



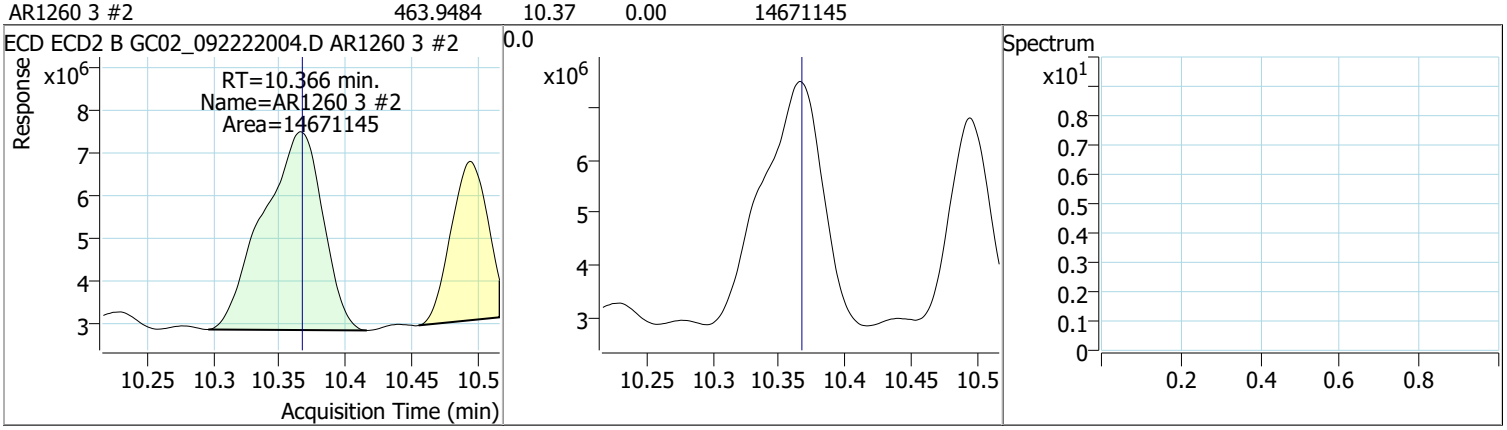
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	423.2185	9.67	0.00	219650808				



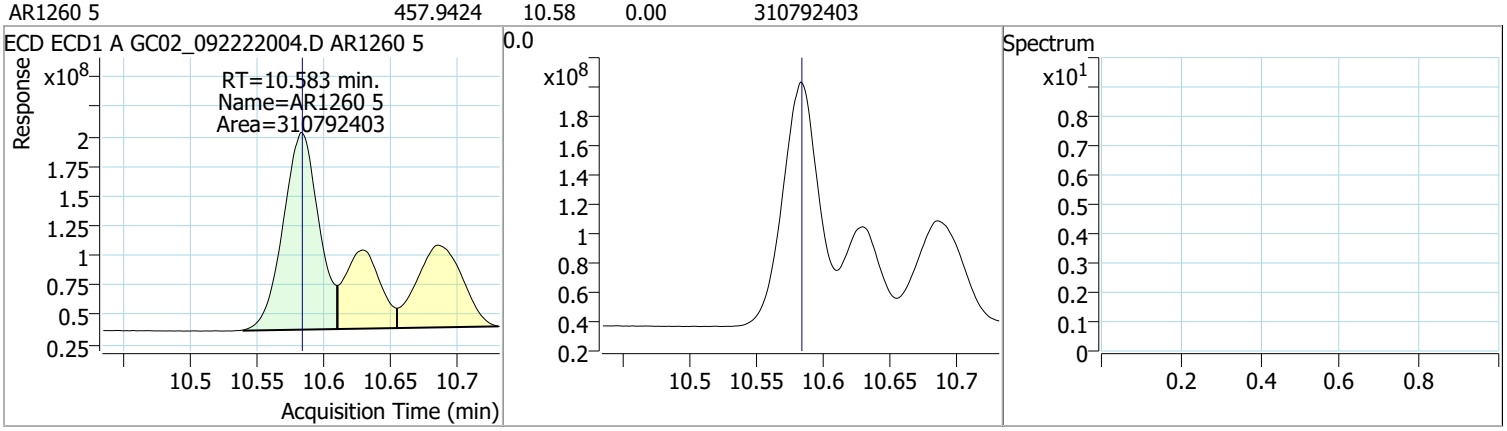
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	444.0612	9.80	0.00	11806318				



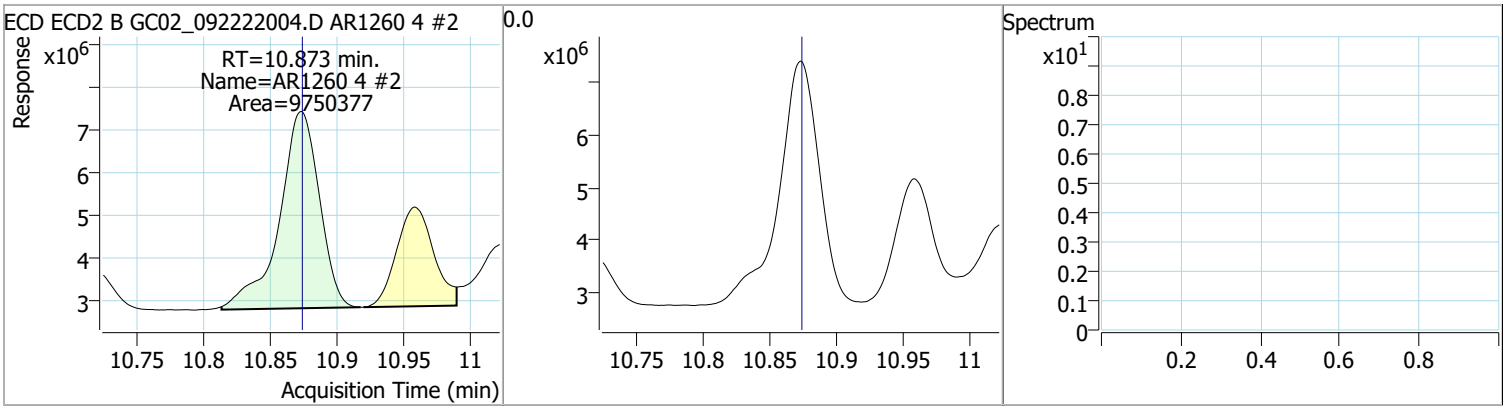
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	463.9484	10.37	0.00	14671145				



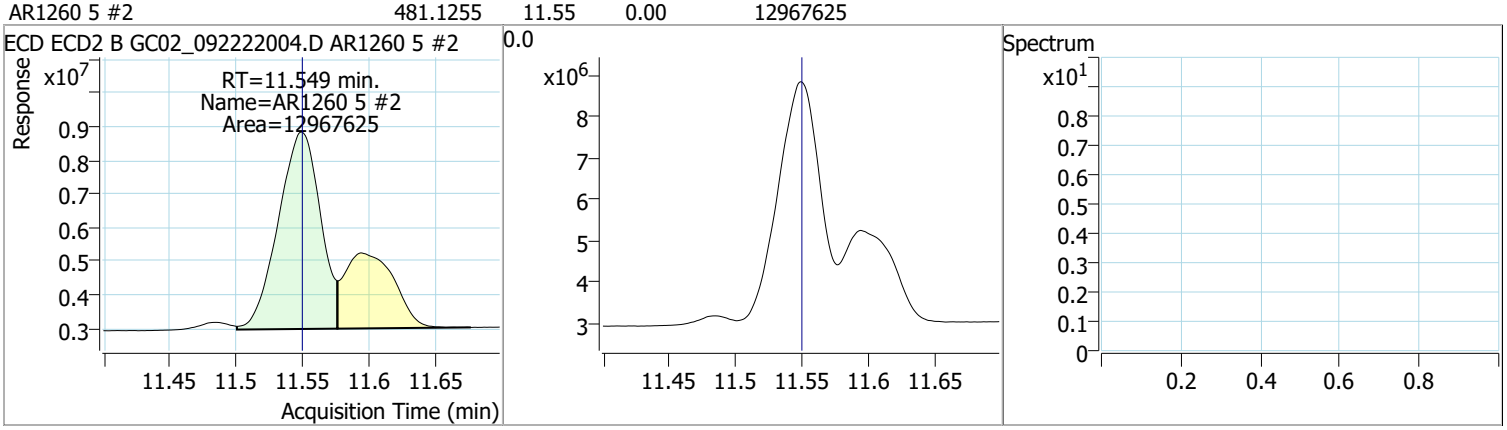
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	457.9424	10.58	0.00	310792403				



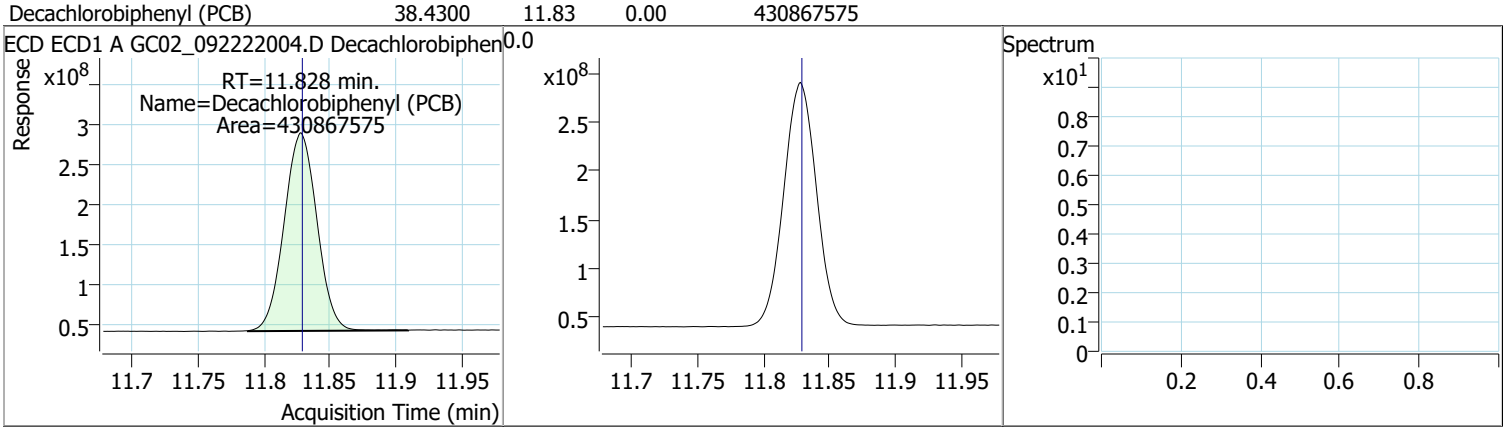
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	535.3186	10.87	0.00	9750377				



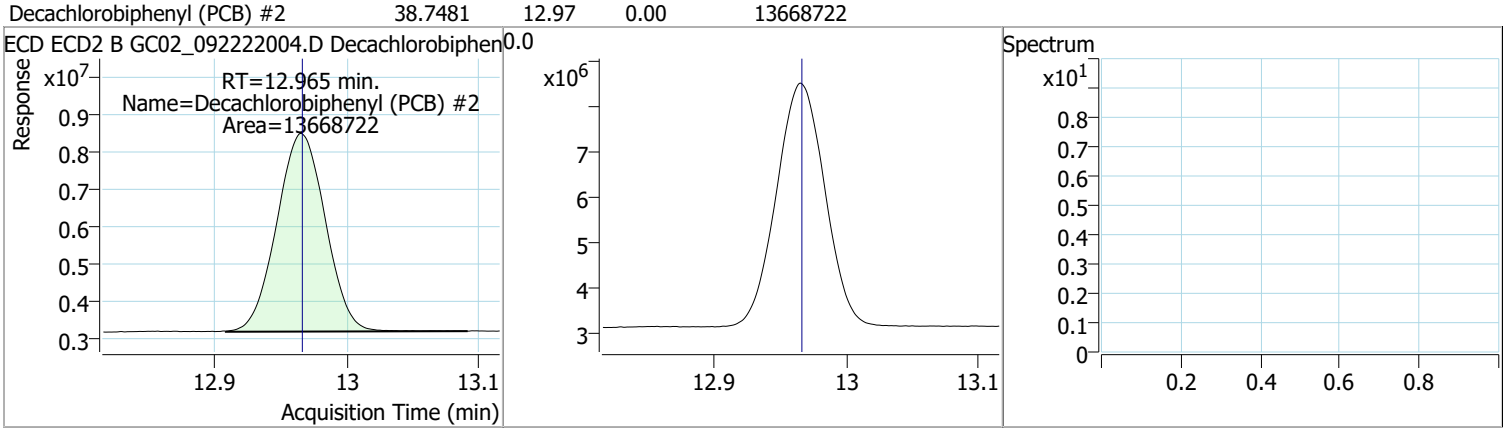
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	481.1255	11.55	0.00	12967625				



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.

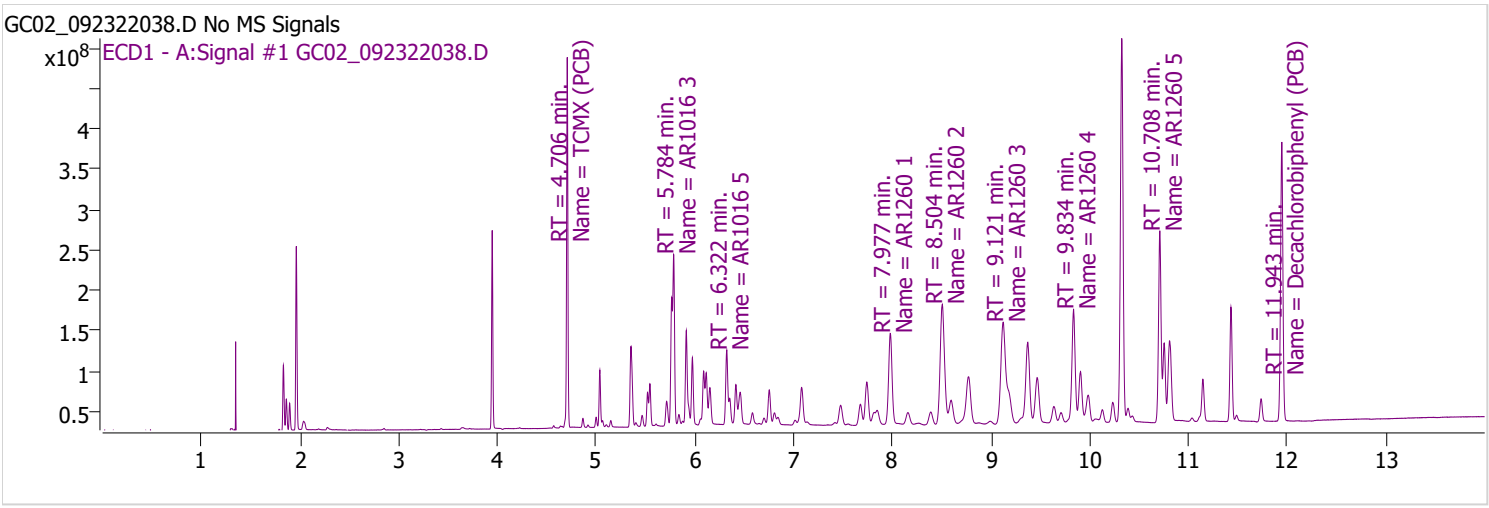
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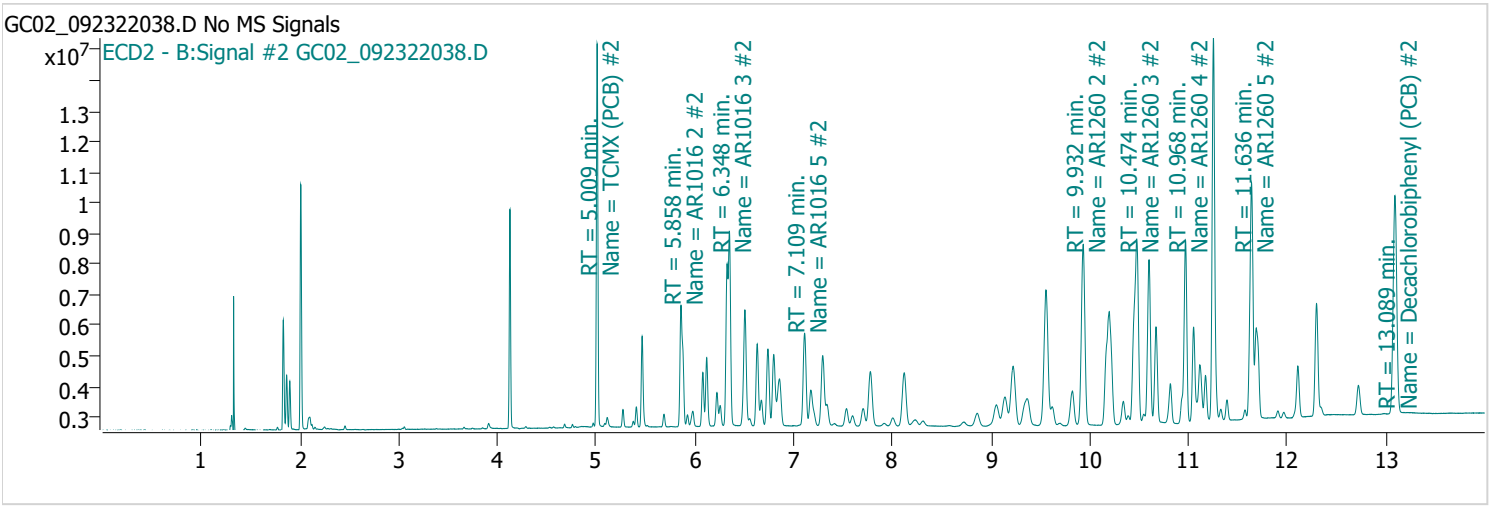
Analyst: TRN 09/26/22 *

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			



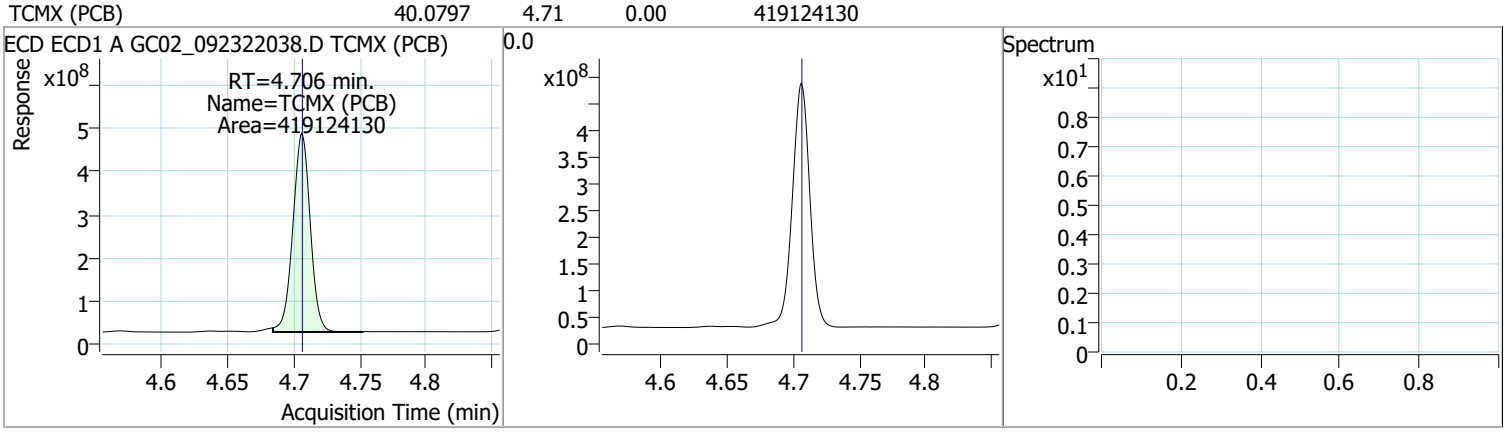


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.947	0.0	215524364.008	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.126	0.0	6643718.614	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.706	0.0	419124129.978	40.0797	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

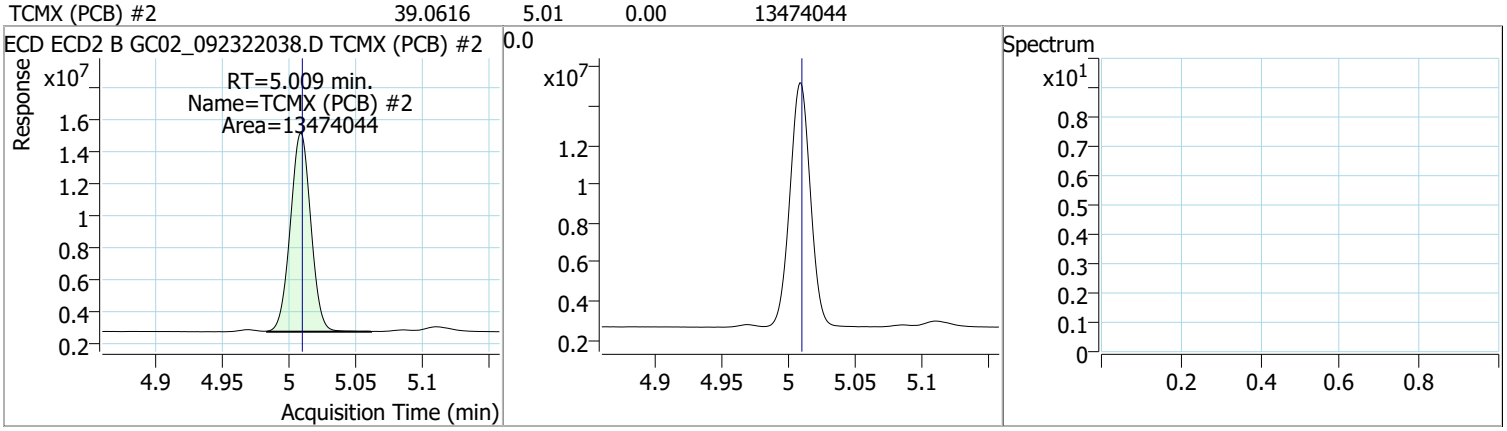
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.036	0.0	73915115.558	470.5267	ng/ml	100
T AR1016 2	5.352	0.0	156023500.380	460.6933	ng/ml	100
T AR1016 1 #2	5.464	0.0	3940000.297	496.0626	ng/ml	100
T AR1016 3	5.784	0.0	267809406.903	512.4104	ng/ml	100
T AR1016 2 #2	5.858	0.0	8193152.724	490.7799	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

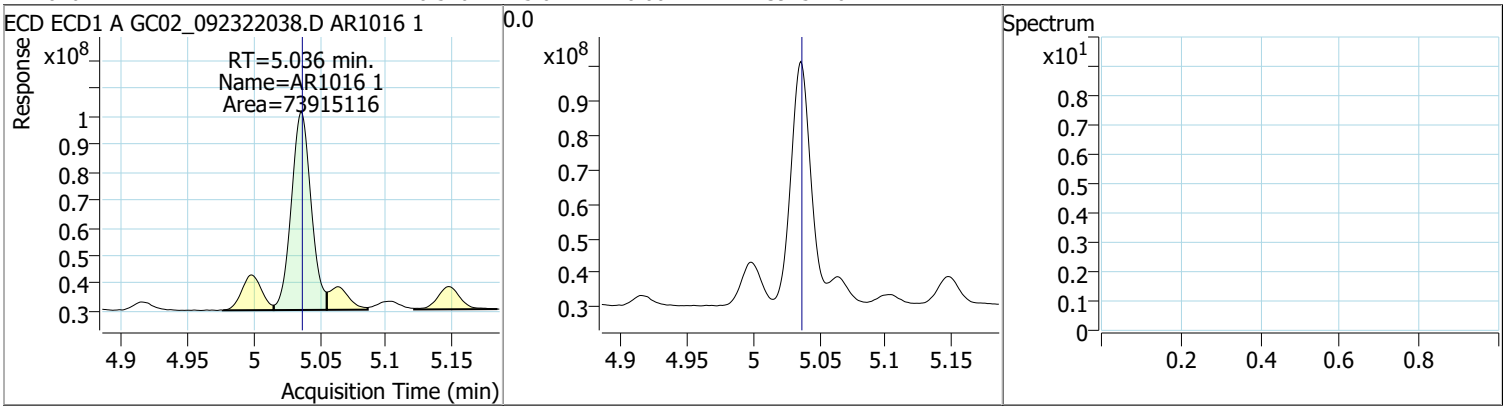
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.0797	4.71	0.00	419124130				



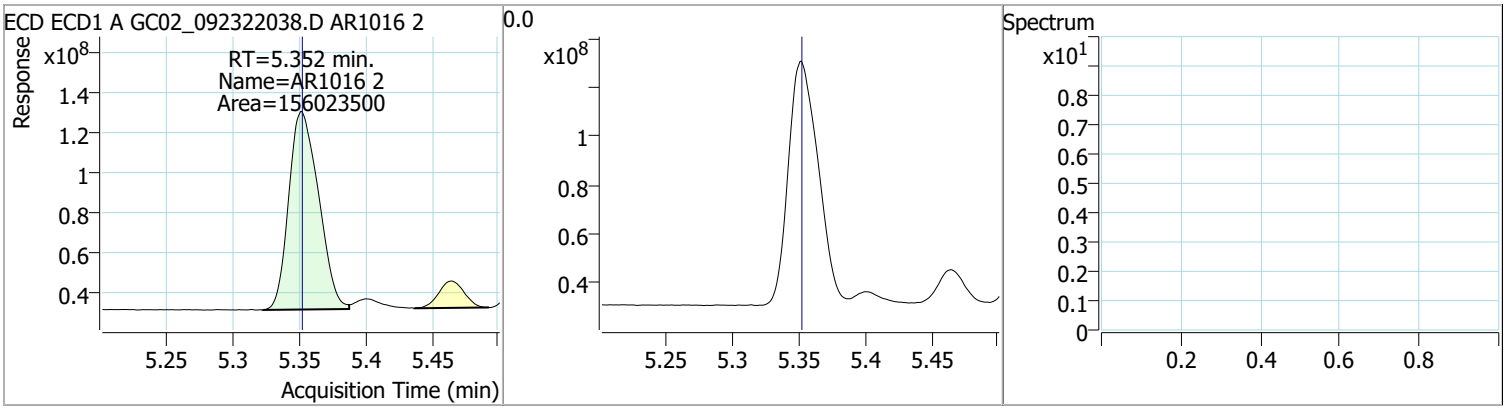
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.0616	5.01	0.00	13474044				



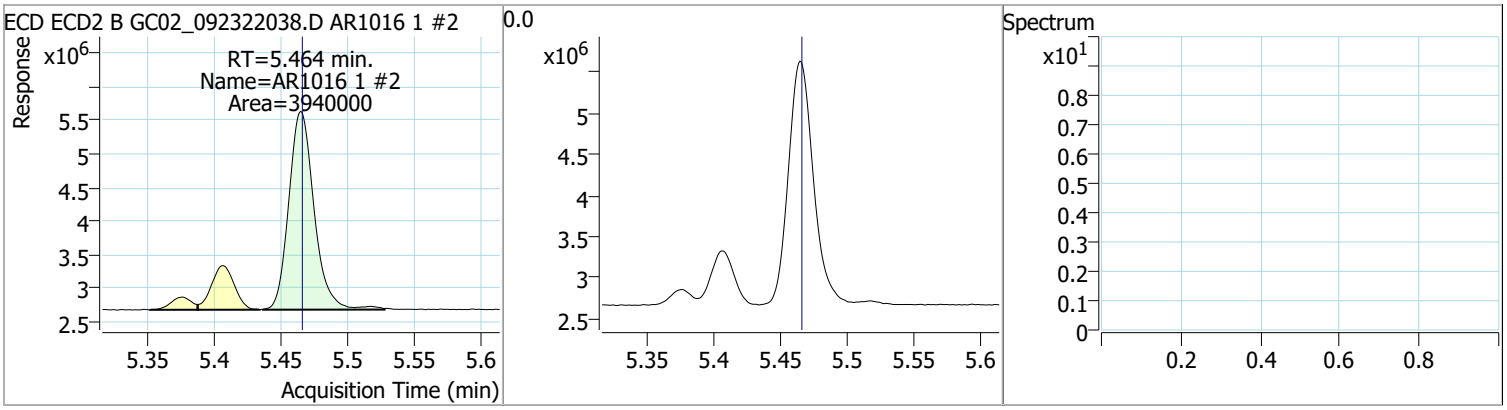
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	470.5267	5.04	0.00	73915116				



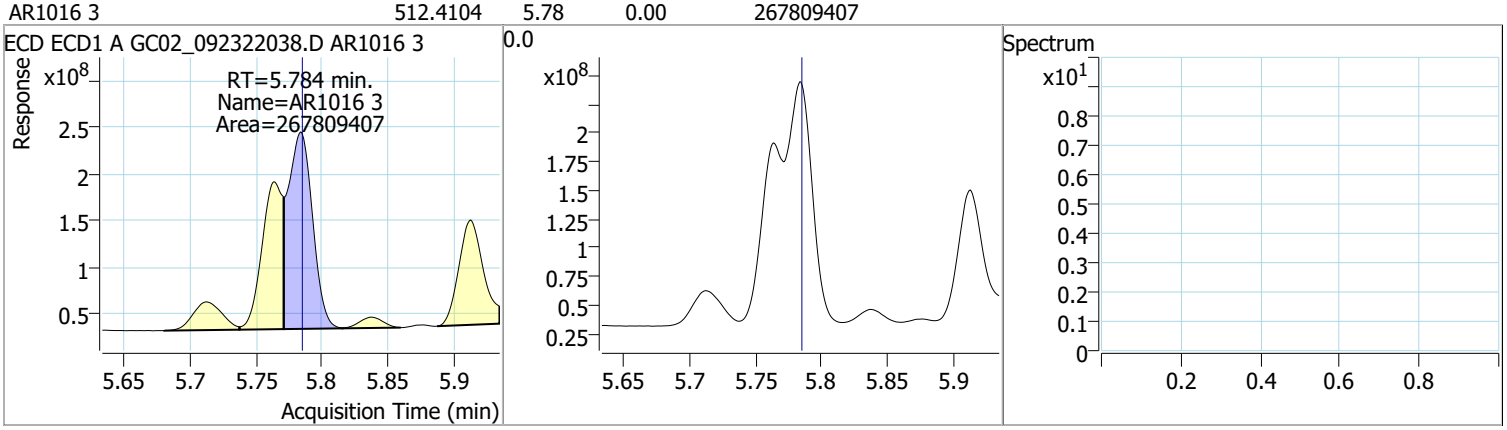
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	460.6933	5.35	0.00	156023500				



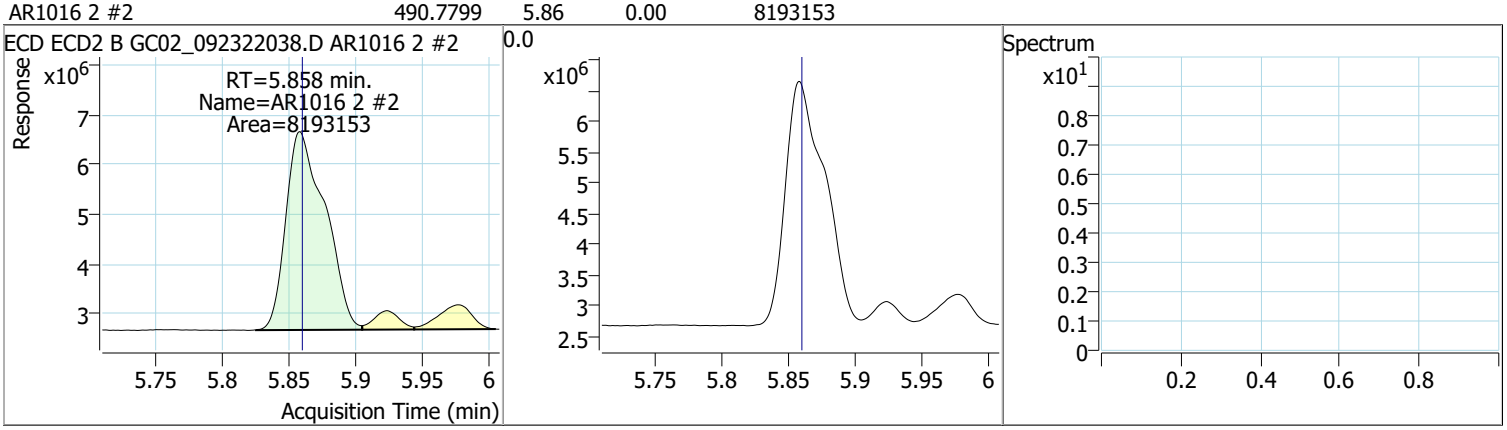
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	496.0626	5.46	0.00	3940000				



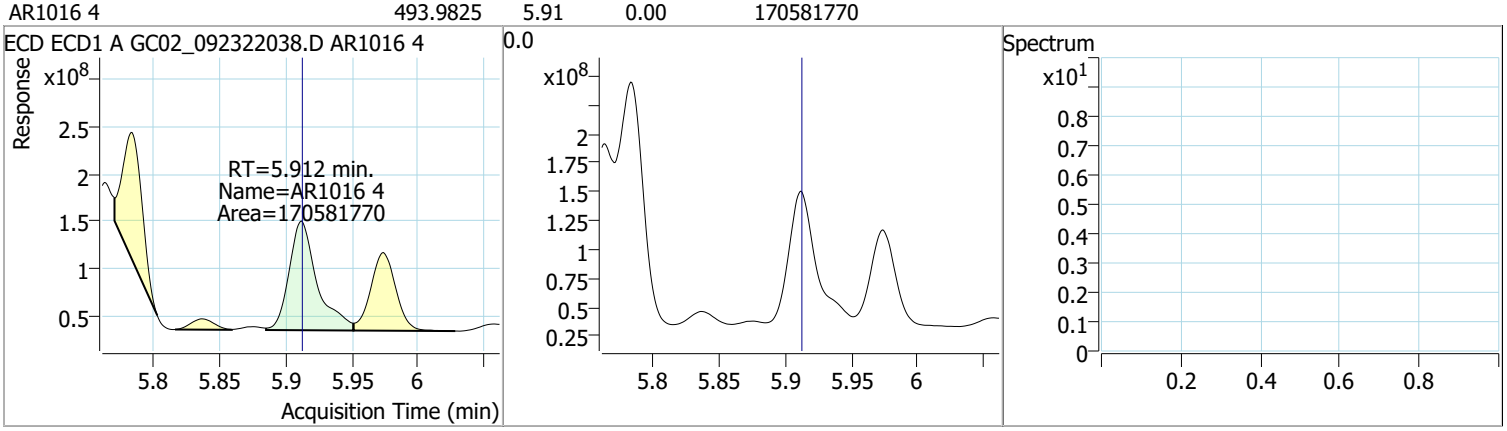
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	512.4104	5.78	0.00	267809407				



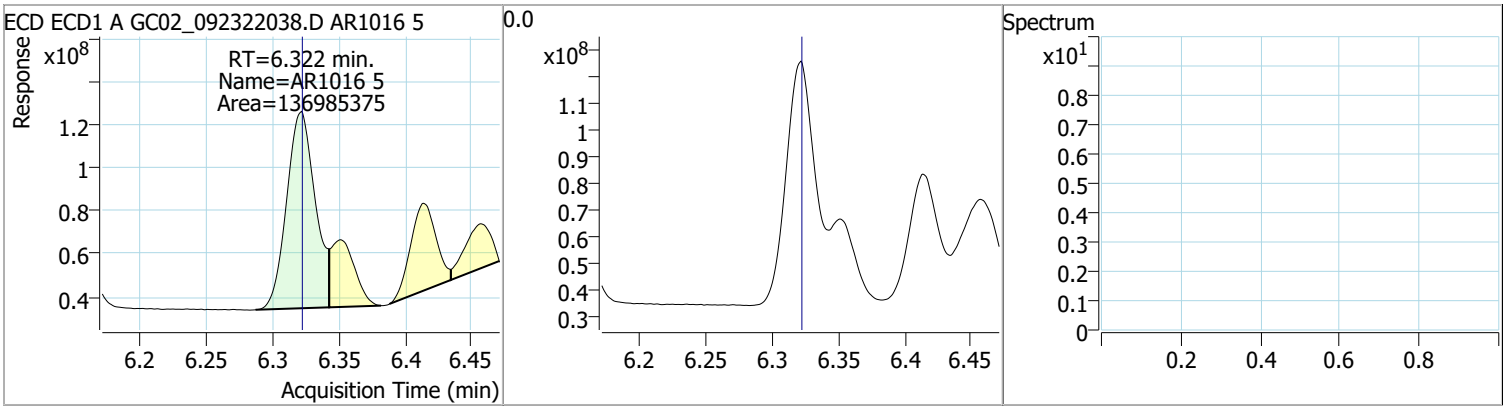
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	490.7799	5.86	0.00	8193153				



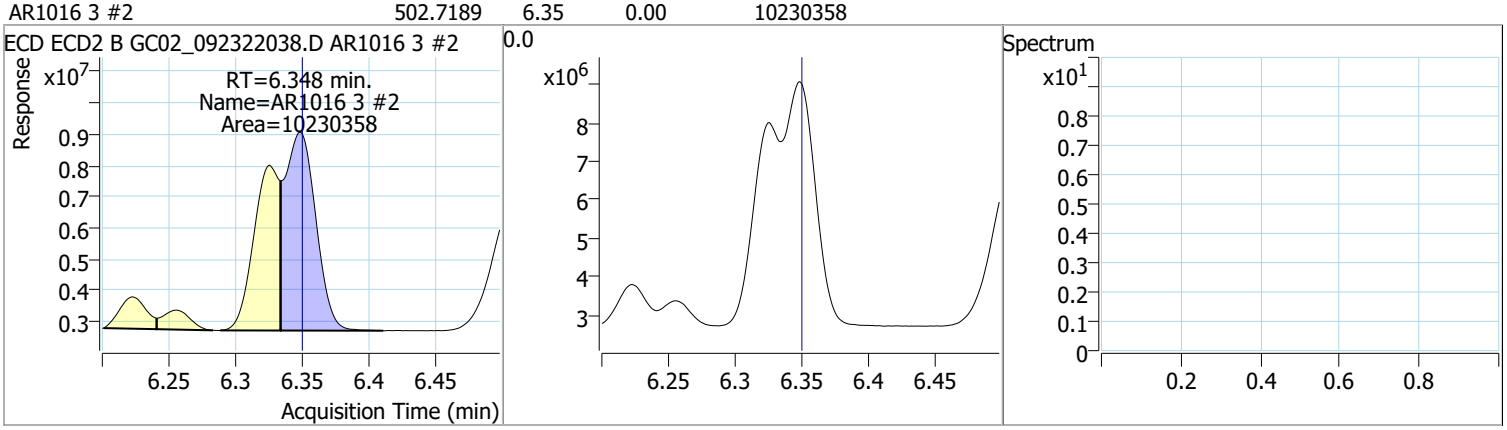
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	493.9825	5.91	0.00	170581770				



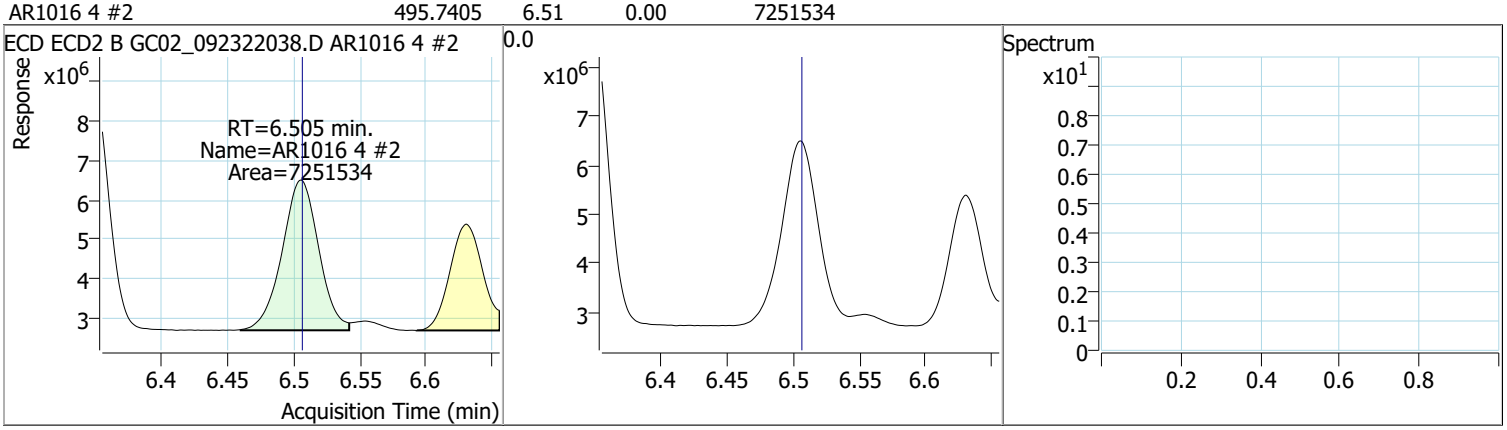
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	492.9457	6.32	0.00	136985375				



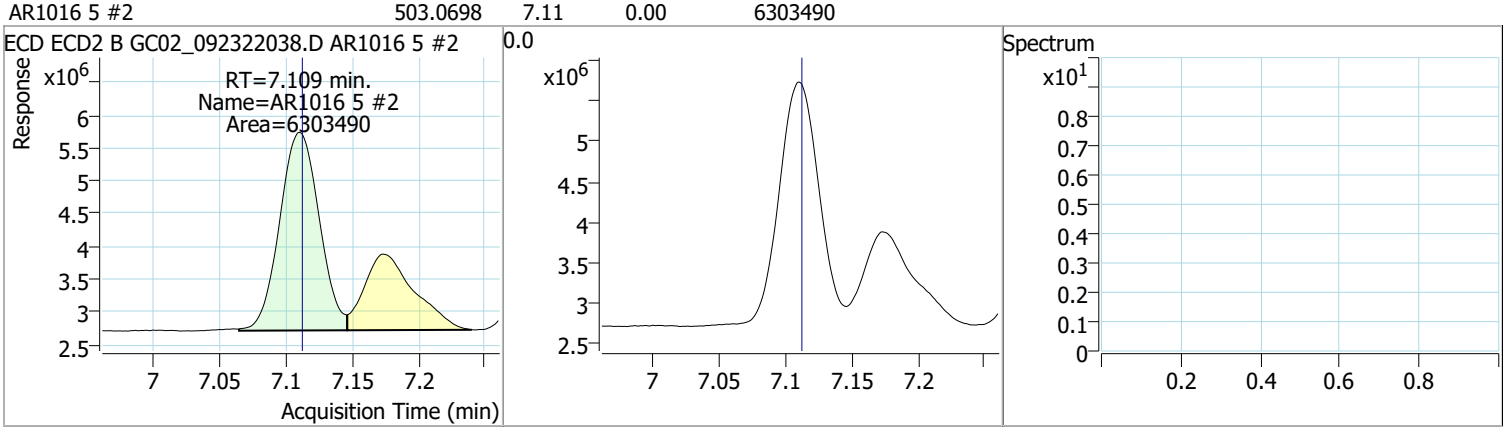
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	502.7189	6.35	0.00	10230358				



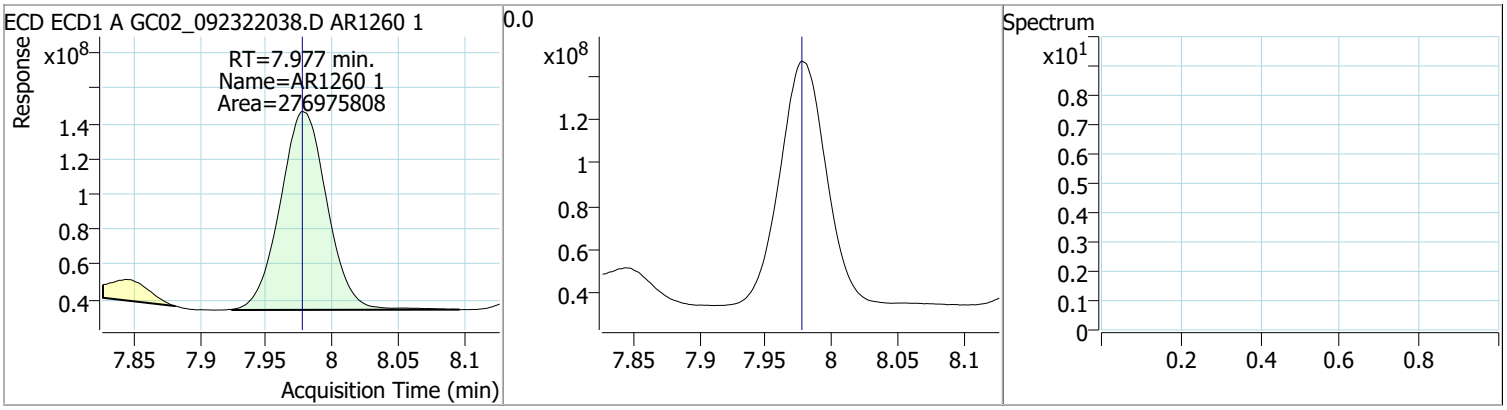
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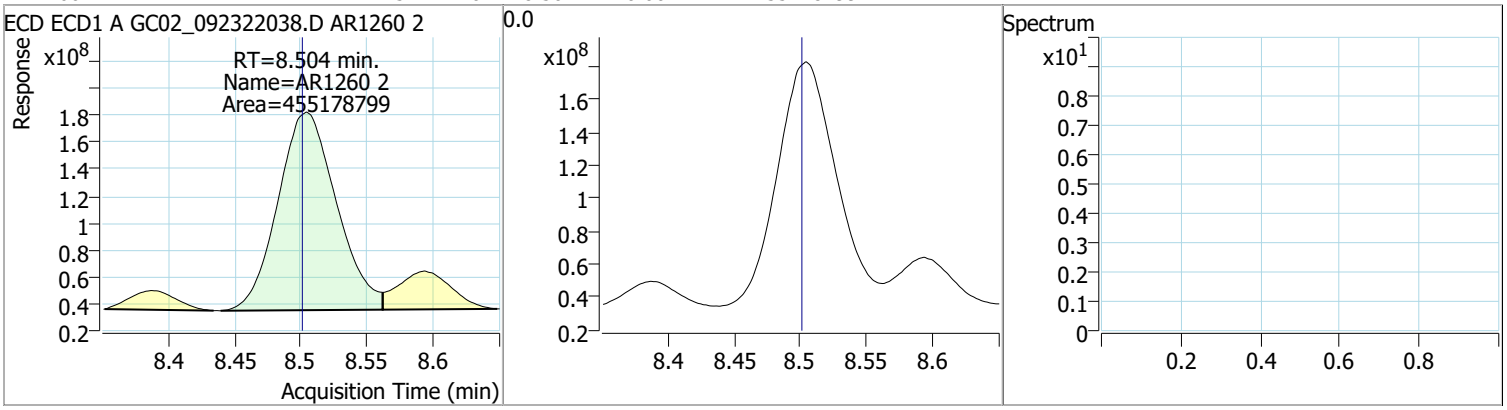
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	503.0698	7.11	0.00	6303490				



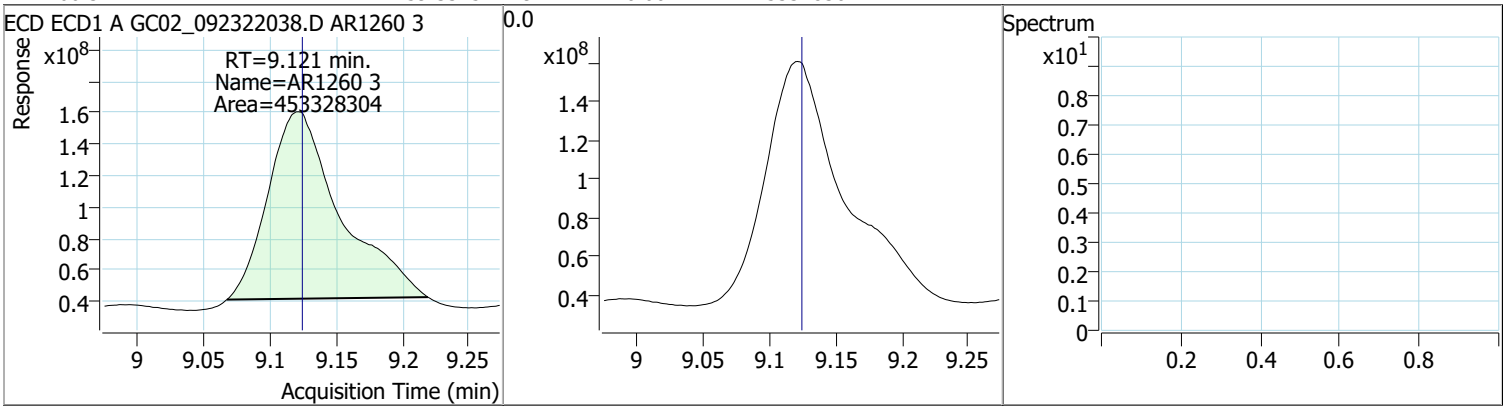
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	507.0887	7.98	0.00	276975808				



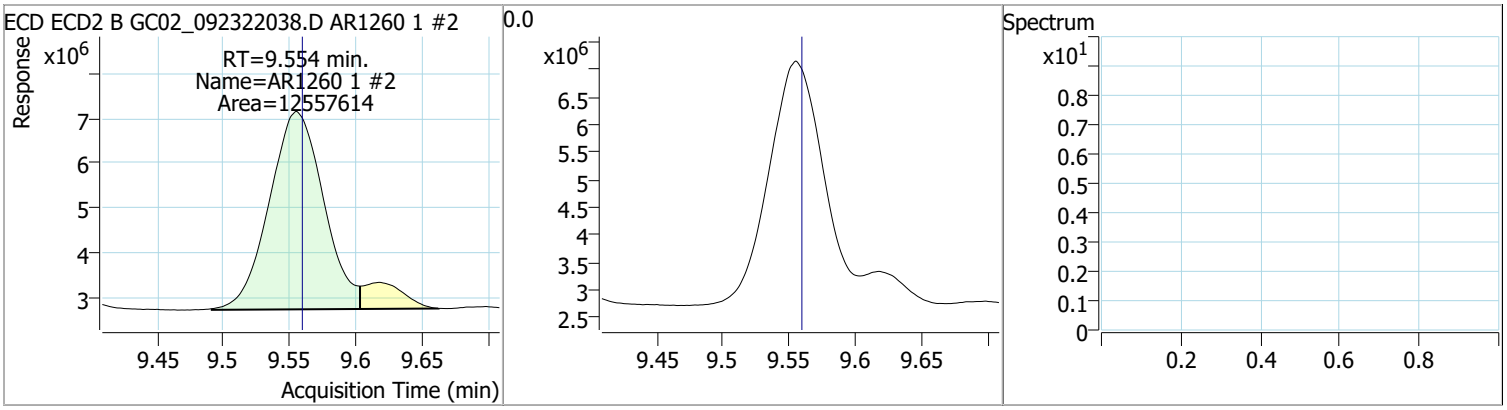
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	514.2420	8.50	0.00	455178799				



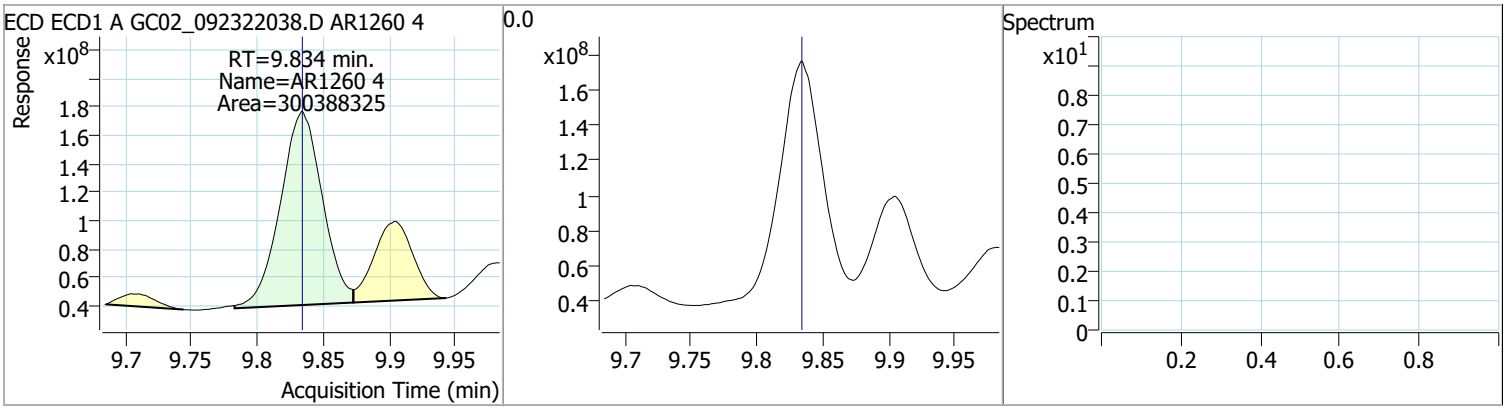
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AR1260 3	459.3315	9.12	0.00	453328304				



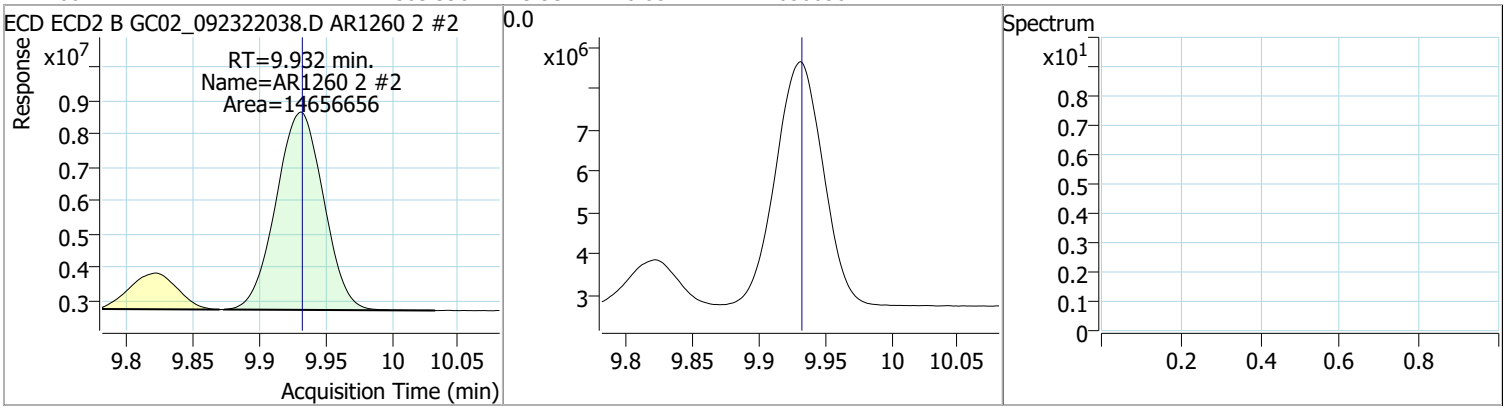
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AR1260 1 #2	503.5691	9.55	0.00	12557614				



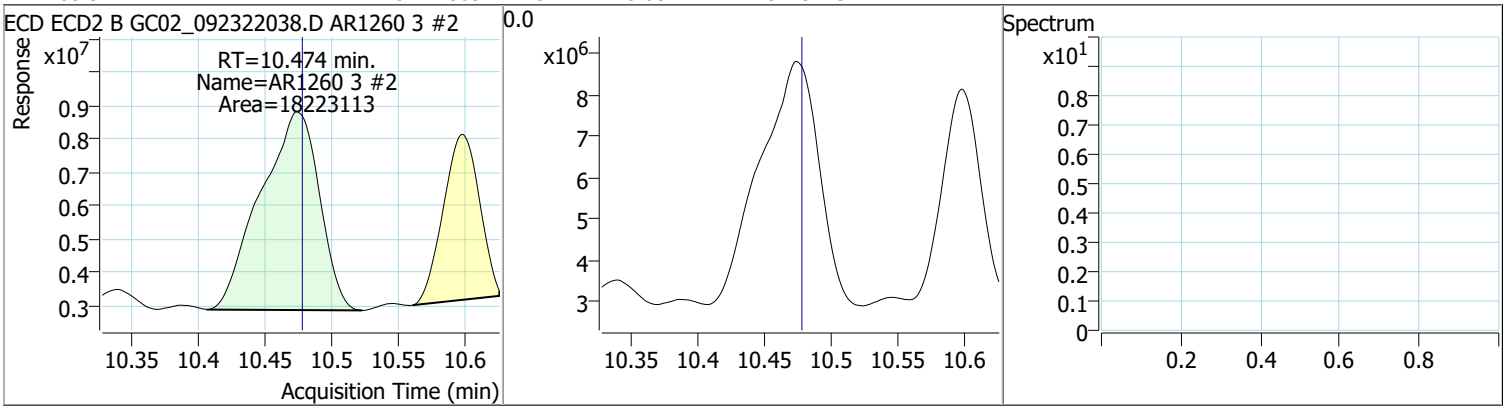
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	544.2701	9.83	0.00	300388325				



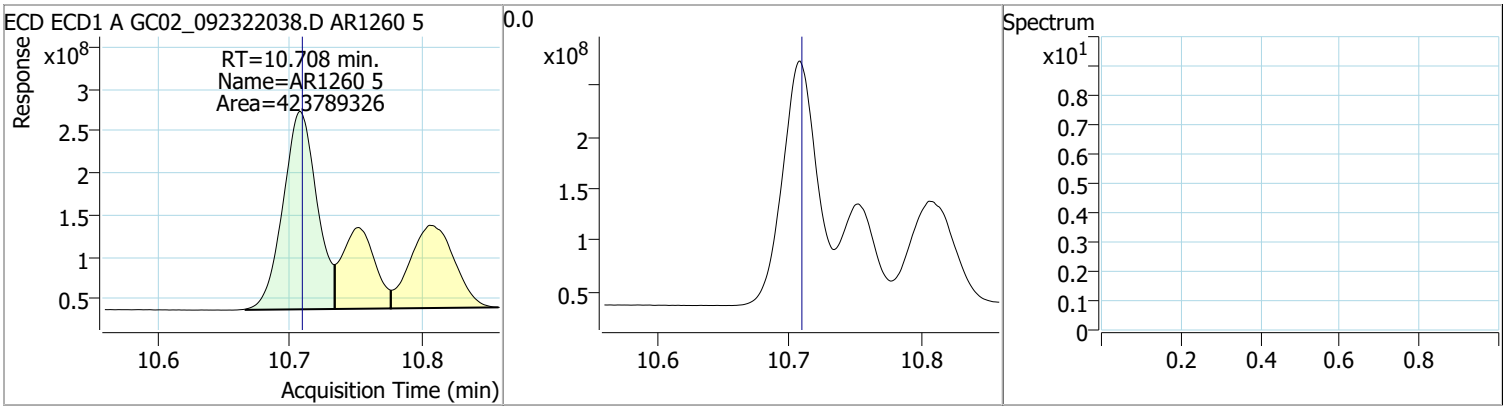
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AR1260 2 #2	503.9982	9.93	0.00	14656656				



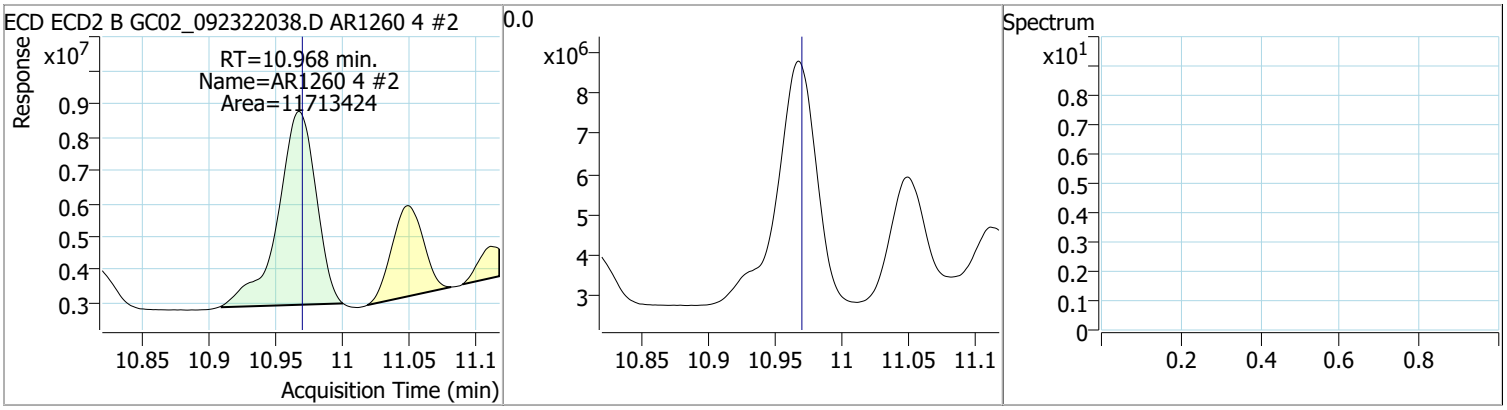
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	512.2663	10.47	0.00	18223113				



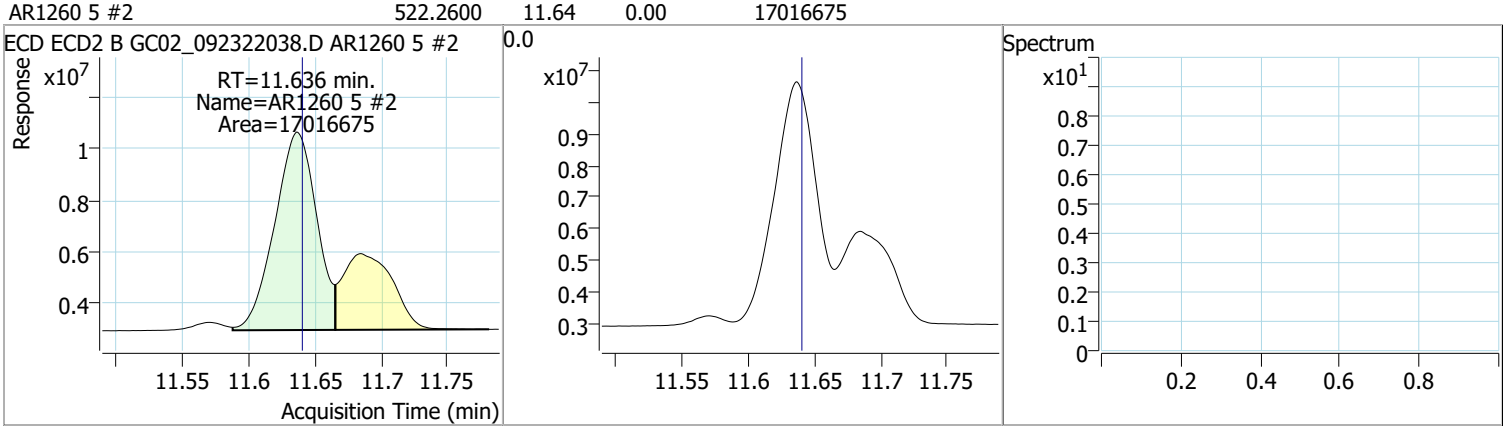
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	559.7267	10.71	0.00	423789326				



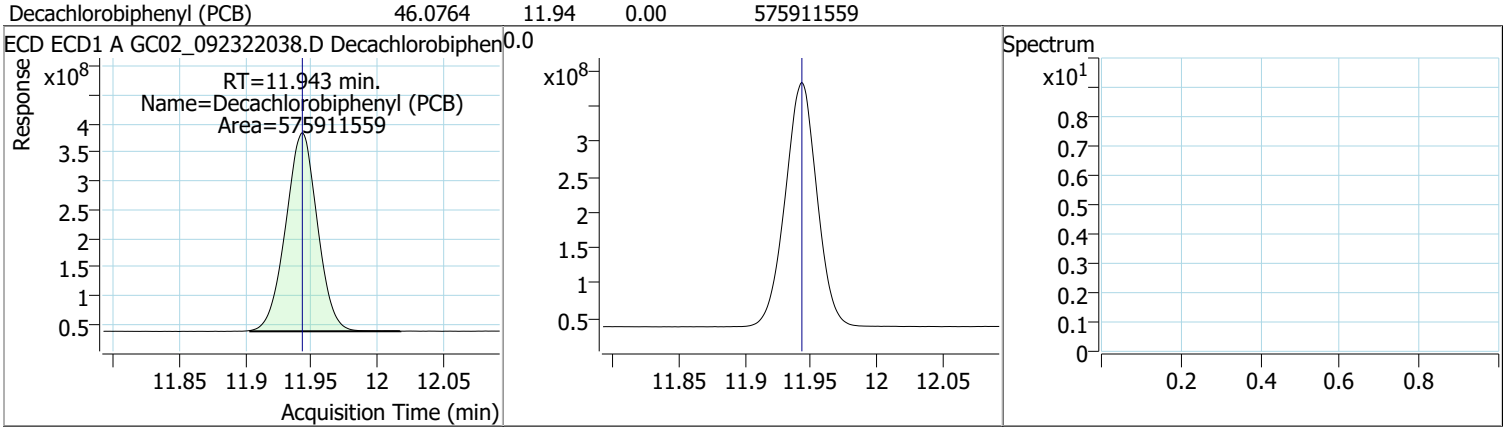
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	539.4588	10.97	0.00	11713424				



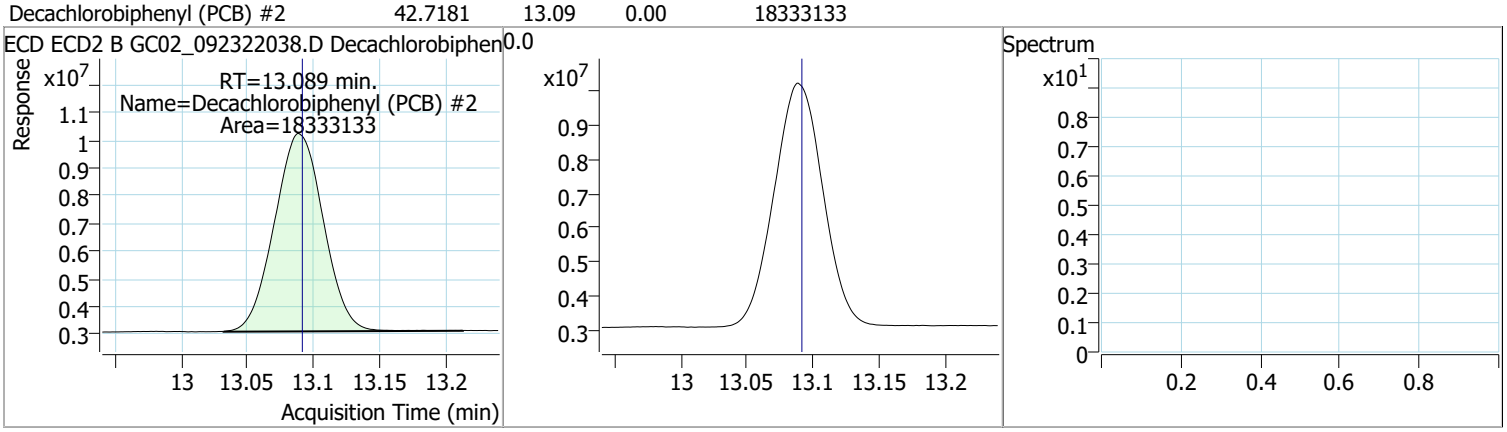
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	522.2600	11.64	0.00	17016675				



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

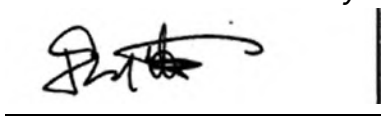
Metals

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. 8arkley 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 S = 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

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
1	ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-2209 15 -P- LA	9/15/2022	1310	WP	1		X		
2	ARCH-C1E-DG-5 TO 5.5-UP-C1.1-VS-2209 15 -L- LA	9/15/2022	1310	WP	1			X	
3	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-2209 15 -P- LA	9/15/2022	1350	WP	1		X		
4	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-2209 15 -P-DUP- LA	9/15/2022	1350	WP	1		X		
5	ARCH-C2E-DG-5.5 TO 6-UP-C2.5-HM-2209 15 -L- LA	9/15/2022	1350	WP	1			X	
6	ARCH-C2E-INT-4.5 TO 5.5-2209 15 -P- WF	9/15/2022	1330	WP	1		X		
7	ARCH-C2E-INT-4.5 TO 5.5-2209 15 -L- WF	9/15/2022	1330	WP	1			X	
8	ARCH-C2E-INT-4.5 TO 5.5-2209 15 -L-DUP- WF	9/15/2022	1330	WP	1			X	
9	ARCH-C2E-PS-5.5-2209 15 -P- G1	9/15/2022	1410	WP	1		X		
10	ARCH-C2E-PS-5.5-2209 15 -L- G1	9/15/2022	1410 MK	WP	1			X	
11	ARCH-C2E-DG-6 TO 6.5-2209 15 -P- FB	9/15/2022	1425 MK 1425	WP	1		X		
12	ARCH-C2E-DG-6 TO 6.5-2209 15 -L- FB	9/15/2022	1425 MK 1425	WP	1			X	
13	AFRAME-C1E-MED-L3-UP-C1.2-VS-2209 15 -P- LA	9/15/2022	1330	WP	1		X		
14	AFRAME-C1E-MED-L3-UP-C1.2-VS-2209 15 -L- LA	9/15/2022	1330	WP	1			X	
15	AFRAME-C1E-LAT-L3-DN-C1.3-DG-2209 15 -P- LA	9/15/2022	1430	WP	1		X		

4xType 2 Rivets=0.0400ft²

8 x Type 1 Rivets=0.1104ft²

	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 1711
3 Relinquished By:				9/16/22 1755
3 Received By:	Rec'd: Geena Sylvestri	Geena Sylvestri	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. #:	2D-10491
Address:	449 15th Street, Suite 303	P.O. #:	
	Oakland, California 94612	Address:	158 Cody Road, Mountain View, CA
Phone:	(6S1) 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: 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)** MM 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 Microbialogy 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

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

0.9/517 A8672354B

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

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: 473364
Report Level: IV
Report Date: 01/24/2023

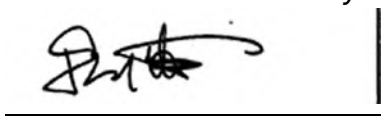
PCBs

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
(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 #:	473364
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	11/17/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-P-LA	473364-001	11/16/22 13:37	Wipe
AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-P-DUP-LA	473364-002	11/16/22 13:37	Wipe
AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-P-WF	473364-004	11/16/22 14:05	Wipe
AFRAME-C1W-MED-L3-UP-C1.2-VS-221116-P-LA	473364-007	11/16/22 13:17	Wipe
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA-SL6	473364-009	11/16/22 13:55	Wipe
AFRAME-C1W-LAT-L3-DN-C1.2-DG-221116-P-LA	473364-011	11/16/22 14:22	Wipe

Case Narrative

PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 473364 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 11/17/22

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 11/18/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

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.

Chain of Custody

473364

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.		
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	AFRAME-C2W-LAT-L3-UP-C2.5-DG-2211**16**-P-LA	11/16/2022	1337	WP	1		X		
2	AFRAME-C2W-LAT-L3-UP-C2.5-DG-2211**16**-P-DUP-LA	11/16/2022	1337	WP	1		X		
3	AFRAME-C2W-LAT-L3-UP-C2.5-DG-2211**16**-L-LA	11/16/2022	1337	WP	1			X	
4	AFRAME-C2W-LAT-L3-EXT-1 TO 2-2211**16**-P-WF	11/16/2022	1405	WP	1		X		
5	AFRAME-C2W-LAT-L3-EXT-1 TO 2-2211**16**-L-WF	11/16/2022	1405	WP	1			X	
6	AFRAME-C2W-LAT-L3-EXT-1 TO 2-2211**16**-L-DUP-WF	11/16/2022	1405	WP	1			X	
7	AFRAME-C1W-MED-L3-UP-C1.2-VS-2211**16**-P-LA	11/16/2022	1317	WP	1		X		
8	AFRAME-C1W-MED-L3-UP-C1.2-VS-2211**16**-L-LA	11/16/2022	1317	WP	1			X	
9	AFRAME-C2W-MED-L3-DN-C2.4-DG-2211**16**-P-LA	11/16/2022	1355	WP	1		X		
10	AFRAME-C2W-MED-L3-DN-C2.4-DG-2211**16**-L-LA	11/16/2022	1355	WP	1			X	
11	AFRAME-C1W-LAT-L3-DN-C1.2-DG-2211**16**-P-LA	11/16/2022	1422	WP	1		X		
12	AFRAME-C1W-LAT-L3-DN-C1.2-DG-2211**16**-L-LA	11/16/2022	1422	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

Use extraction Method 3546 for PCBs

Wipe samples collected from Zone 2 Enclosure D

MK

1x Rivet Type 2 = ~~0.0100~~ 9.273 cm²

2x Rivet Type 2 = 0.0200 cm²

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	T Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	11/17/22 / 1137
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	11/17/22 13:45
2 Relinquished By:	Audrey Hudson			11/17/22 17:00
2 Received By:		Rincon will ship	EA	11/17/22 17:00
3 Relinquished By:		Lisa Fung	EA	11/17/22 17:4
3 Received By:		FedEx	CM	11/18/22 0730

1.8/3.5

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 473364 Client: RINCON

Date Received: 11.17.22 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 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)** _____

ENTHALPY ANALYTICAL

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

[EXTERNAL] Lab Report/EDD 473364 & 473365 Re-Issue

Austin Moore <amoore@rinconconsultants.com> Wed, Dec 14, 2022 at 1:58 PM
To: John Goyette <john.goyette@enthalpy.com>
Cc: Lindsay Parker <lparker@rinconconsultants.com>, Kerry Campbell <kcampbell@rinconconsultants.com>

Good Afternoon John,

During our data validation review, we discovered duplicate sample IDs were used between lab reports **473364** and **473365**. We will need the following sample IDs revised, as well as the official re-issued lab reports (and EDD's) that reflect the new IDs:

473364:

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA**-SL6**

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA**-SL6**

473365:

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA**-SL5**

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-DUP**-SL5**

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA**-SL5**

Note that the sample IDs should be revised to include either -SL5 (sample IDs in lab report 473365) or -SL6 (sample IDs in lab report 473364) at the end of their original names

Lastly, LDC is requesting if it is possible to include the sample times within the EDDs? If so, can we please include the sample times in **ALL** EDD's moving forward?

As always, I truly appreciate your time and help.

Thank you John,

Austin Moore

Austin Moore, Environmental Scientist III

Rincon Consultants, Inc.

Environmental Scientists | Planners | Engineers

909-253-0705

951-902-9896 Mobile

rinconconsultants.com

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 473364 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-P-LA **Batch#:** 302486 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473364-001 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473364-001 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

473364-001 Surrogate	%REC	Limits
TCMX (PCB)	66	19-121
Decachlorobiphenyl (PCB)	58	19-121

Field ID: AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-P-DUP-LA **Batch#:** 302486 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473364-002 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473364-002 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

473364-002 Surrogate	%REC	Limits
TCMX (PCB)	58	19-121
Decachlorobiphenyl (PCB)	50	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473364 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-P-WF **Batch#:** 302486 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473364-004 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473364-004 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

473364-004 Surrogate	%REC	Limits
TCMX (PCB)	57	19-121
Decachlorobiphenyl (PCB)	53	19-121

Field ID: AFRAME-C1W-MED-L3-UP-C1.2-VS-221116-P-LA **Batch#:** 302486 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473364-007 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473364-007 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

473364-007 Surrogate	%REC	Limits
TCMX (PCB)	66	19-121
Decachlorobiphenyl (PCB)	58	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473364 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA-SL6 **Batch#:** 302486 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473364-009 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473364-009 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

473364-009 Surrogate	%REC	Limits
TCMX (PCB)	60	19-121
Decachlorobiphenyl (PCB)	53	19-121

Field ID: AFRAME-C1W-LAT-L3-DN-C1.2-DG-221116-P-LA **Batch#:** 302486 **Prep:** EPA 3572M

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473364-011 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473364-011 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

473364-011 Surrogate	%REC	Limits
TCMX (PCB)	56	19-121
Decachlorobiphenyl (PCB)	52	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473364 **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 #: 473364 **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 INITIAL CALIBRATION FOR 473364 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_102422014	452428510014		24-OCT-2022 17:26	S17263
L2	gc06_102422015	452428510015		24-OCT-2022 17:44	S17264
L3	gc06_102422016	452428510016		24-OCT-2022 18:02	S17265
L4	gc06_102422017	452428510017		24-OCT-2022 18:20	S17266
L5	gc06_102422018	452428510018		24-OCT-2022 18:38	S17267
L6	gc06_102422019	452428510019		24-OCT-2022 18:55	S17268
L7	gc06_102422020	452428510020		24-OCT-2022 19:13	S17269
L8	gc06_102422021	452428510021		24-OCT-2022 19:31	S17270
L9	gc06_102422022	452428510022		24-OCT-2022 19:49	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		47.6898		0.0210		15	9	.99	20	
Aroclor-1016 Peak # 2	A	LINR	-15.389	23.9841		0.0490	0.997		7	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.8095		0.0532		15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		24.7311		0.0404		14	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		30.7045		0.0326		15	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		14.7882		0.0676		18	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.70243		0.1031		17	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.28268		0.1077		17	8	.99	20	
Aroclor-1260 Peak # 4	A	LINR	-15.439	17.5746		0.0643	0.998		7	.99	20	
Aroclor-1260 Peak # 5	A	LINR	-18.106	8.33830		0.1368	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	A	LINR	-4.3231	0.82496		1.4080	0.999		6	.99	20	
TCMX (PCB)	A	AVRG		1.03996		0.9616		13	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		48.1076		0.0208		13	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		33.3260		0.0300		14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.3412		0.0545		16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.6912		0.0389		12	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		31.6065		0.0316		13	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.8009		0.0595		14	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		13.9830		0.0715		15	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.0470		0.0905		16	8	.99	20	
Aroclor-1260 Peak # 4	B	LINR	-23.653	20.1271		0.0597	0.996		7	.99	20	
Aroclor-1260 Peak # 5	B	LINR	-18.665	13.2930		0.0873	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	B	LINR	-2.1138	0.98301		1.2084	0.999		8	.99	20	
TCMX (PCB)	B	AVRG		1.04112		0.9605		10	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
LINR: Linear regression

ENTHALPY INITIAL CALIBRATION FOR 473364 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
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	0.0275	0.0229	0.0229	0.0213	0.0183	0.0203	0.0197	0.0189	0.0170
Aroclor-1016 Peak # 2	A	0.0705	0.0493	0.0498	0.0471	0.0402	0.0443	0.0419		
Aroclor-1016 Peak # 3	A	0.0694	0.0572	0.0577	0.0553	0.0469	0.0521	0.0499	0.0477	0.0422
Aroclor-1016 Peak # 4	A	0.0506	0.0443	0.0443	0.0420	0.0361	0.0399	0.0381	0.0367	0.0320
Aroclor-1016 Peak # 5	A	0.0417	0.0355	0.0355	0.0335	0.0292	0.0321	0.0306	0.0296	0.0253
Aroclor-1260 Peak # 1	A	0.0937	0.0726	0.0712	0.0675	0.0578	0.0620	0.0600	0.0564	
Aroclor-1260 Peak # 2	A	0.1377	0.1100	0.1119	0.1048	0.0901	0.0941	0.0896	0.0864	
Aroclor-1260 Peak # 3	A	0.1494	0.1089	0.1140	0.1083	0.0928	0.0997	0.0955	0.0931	
Aroclor-1260 Peak # 4	A	0.0776	0.0657	0.0680	0.0657	0.0561	0.0598	0.0571		
Aroclor-1260 Peak # 5	A	0.1719	0.1443	0.1523	0.1392	0.1178	0.1263	0.1212	0.1213	
Decachlorobiphenyl (PCB)	A			1.7517	1.5276	1.3136	1.3325	1.2692	1.2537	
TCMX (PCB)	A	1.2724	0.9655	0.9830	0.9621	0.8303	0.9420	0.9219	0.9218	0.8552
Aroclor-1016 Peak # 1	B	0.0258	0.0224	0.0221	0.0217	0.0189	0.0208	0.0199	0.0188	0.0168
Aroclor-1016 Peak # 2	B	0.0369	0.0328	0.0337	0.0319	0.0262	0.0293	0.0282	0.0270	0.0241
Aroclor-1016 Peak # 3	B	0.0731	0.0591	0.0595	0.0548	0.0476	0.0526	0.0506	0.0504	0.0429
Aroclor-1016 Peak # 4	B	0.0470	0.0426	0.0424	0.0410	0.0348	0.0383	0.0370	0.0362	0.0311
Aroclor-1016 Peak # 5	B	0.0389	0.0336	0.0345	0.0334	0.0285	0.0314	0.0302	0.0296	0.0248
Aroclor-1260 Peak # 1	B	0.0741	0.0638	0.0673	0.0608	0.0510	0.0551	0.0527	0.0514	
Aroclor-1260 Peak # 2	B	0.0910	0.0798	0.0790	0.0726	0.0608	0.0651	0.0625	0.0613	
Aroclor-1260 Peak # 3	B	0.1187	0.0977	0.0986	0.0907	0.0769	0.0826	0.0797	0.0793	
Aroclor-1260 Peak # 4	B	0.0785	0.0629	0.0647	0.0583	0.0503	0.0539	0.0496		
Aroclor-1260 Peak # 5	B	0.1184	0.0925	0.0953	0.0868	0.0743	0.0790	0.0760	0.0762	
Decachlorobiphenyl (PCB)	B	1.6271	1.2663	1.3495	1.2170	1.0610	1.0826	1.0310	1.0324	
TCMX (PCB)	B	1.1603	0.9978	0.9817	0.9671	0.8301	0.9599	0.9328	0.9461	0.8687

ENTHALPY INITIAL CALIBRATION FOR 473364 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
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	**31**	50.000	9	100.00	9	250.00	1	500.00	-13	749.91	-3	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 2	A	20.000	-8	50.000	-12	100.00	4	250.00	7	500.00	-7	749.91	4	1000.0	-1		
Aroclor-1016 Peak # 3	A	20.000	**31**	50.000	8	100.00	9	250.00	4	500.00	-12	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 4	A	20.000	**25**	50.000	10	100.00	10	250.00	4	500.00	-11	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1016 Peak # 5	A	20.000	**28**	50.000	9	100.00	9	250.00	3	500.00	-10	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1260 Peak # 1	A	20.000	**38**	50.000	7	100.00	5	250.00	0	500.00	-15	749.91	-8	1000.0	-11	1500.0	-17
Aroclor-1260 Peak # 2	A	20.000	**34**	50.000	7	100.00	9	250.00	2	500.00	-13	749.91	-9	1000.0	-13	1500.0	-16
Aroclor-1260 Peak # 3	A	20.000	**39**	50.000	1	100.00	6	250.00	1	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 4	A	20.000	**-41**	50.000	-15	100.00	4	250.00	9	500.00	-4	749.91	3	1000.0	-1		
Aroclor-1260 Peak # 5	A	20.000	**-47**	50.000	-16	100.00	9	250.00	9	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	A					8.0000	-10	20.000	4	40.000	-2	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	A	1.6000	**32**	4.0000	0	8.0000	2	20.000	0	40.000	-14	59.993	-2	80.000	-4	120.00	-4
Aroclor-1016 Peak # 1	B	20.000	**24**	50.000	8	100.00	6	250.00	4	500.00	-9	749.91	0	1000.0	-4	1500.0	-10
Aroclor-1016 Peak # 2	B	20.000	**23**	50.000	9	100.00	12	250.00	6	500.00	-13	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 3	B	20.000	**34**	50.000	8	100.00	9	250.00	1	500.00	-13	749.91	-4	1000.0	-7	1500.0	-8
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	9	100.00	9	250.00	5	500.00	-11	749.91	-2	1000.0	-5	1500.0	-7
Aroclor-1016 Peak # 5	B	20.000	**23**	50.000	6	100.00	9	250.00	5	500.00	-10	749.91	-1	1000.0	-5	1500.0	-6
Aroclor-1260 Peak # 1	B	20.000	**24**	50.000	7	100.00	13	250.00	2	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 2	B	20.000	**27**	50.000	12	100.00	11	250.00	2	500.00	-15	749.91	-9	1000.0	-13	1500.0	-14
Aroclor-1260 Peak # 3	B	20.000	**31**	50.000	8	100.00	9	250.00	0	500.00	-15	749.91	-9	1000.0	-12	1500.0	-12
Aroclor-1260 Peak # 4	B	20.000	**-60**	50.000	**-21**	100.00	7	250.00	8	500.00	-4	749.91	5	1000.0	-3		
Aroclor-1260 Peak # 5	B	20.000	**-36**	50.000	-14	100.00	8	250.00	8	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	B	1.6000	**-72**	4.0000	**-28**	8.0000	6	20.000	9	40.000	-1	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	B	1.6000	**21**	4.0000	4	8.0000	2	20.000	1	40.000	-14	59.993	0	80.000	-3	120.00	-1

ENTHALPY INITIAL CALIBRATION FOR 473364 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-19
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	**-21**
Aroclor-1016 Peak # 4	A	2000.0	**-21**
Aroclor-1016 Peak # 5	A	2000.0	**-22**
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A		
Decachlorobiphenyl (PCB)	A		
TCMX (PCB)	A	160.00	-11
Aroclor-1016 Peak # 1	B	2000.0	-19
Aroclor-1016 Peak # 2	B	2000.0	-20
Aroclor-1016 Peak # 3	B	2000.0	**-21**
Aroclor-1016 Peak # 4	B	2000.0	-20
Aroclor-1016 Peak # 5	B	2000.0	**-22**
Aroclor-1260 Peak # 1	B		
Aroclor-1260 Peak # 2	B		
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B		
Aroclor-1260 Peak # 5	B		
Decachlorobiphenyl (PCB)	B		
TCMX (PCB)	B	160.00	-10

TRN 10/26/22 : Manually integrated for coeluting peak/draw baseline on both channel for multiple channels

Analyst: TRN 10/26/22

Reviewer: LW 10/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 473364 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_102422_1
Calnum:	452428510002	Cal Date:	24-OCT-2022

- ICV 452428510024 (gc06_102422024 24-OCT-2022) stds: S17274

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	486.9	ug/L	-3	15	
Aroclor-1260	A	500.0	451.5	ug/L	-10	15	
Aroclor-1016	B	500.0	481.3	ug/L	-4	15	
Aroclor-1260	B	500.0	455.3	ug/L	-9	15	

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Analyst: TRN 10/26/22 **Reviewer:** LW 10/27/22

ENTHALPY INITIAL CALIBRATION FOR 473364 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	AR1268_120622_1
Calibration #:	452490110001	Date:	06-DEC-2022 09:48
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_120622005	452490110005		06-DEC-2022 09:48	S17467

Analyte	Ch	L1 RF	Type	a0	a1	a2	Avg RF	%RSD	Min r^2	Max %RSD	Flags
Aroclor-1268 Peak # 1	A	0.0325	AVRG		30.7781		0.0325	0	.99	20	
Aroclor-1268 Peak # 2	A	0.0423	AVRG		23.6558		0.0423	0	.99	20	
Aroclor-1268 Peak # 3	A	0.1651	AVRG		6.05651		0.1651	0	.99	20	
Aroclor-1268 Peak # 4	A	0.1306	AVRG		7.65768		0.1306	0	.99	20	
Aroclor-1268 Peak # 5	A	0.4491	AVRG		2.22665		0.4491	0	.99	20	
Aroclor-1268 Peak # 1	B	0.0242	AVRG		41.3563		0.0242	0	.99	20	
Aroclor-1268 Peak # 2	B	0.0297	AVRG		33.7219		0.0297	0	.99	20	
Aroclor-1268 Peak # 3	B	0.1170	AVRG		8.55004		0.1170	0	.99	20	
Aroclor-1268 Peak # 4	B	0.0949	AVRG		10.5329		0.0949	0	.99	20	
Aroclor-1268 Peak # 5	B	0.3210	AVRG		3.11494		0.3210	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: TJW 12/08/22

Reviewer: LW 12/08/22

ENTHALPY CONTINUING CALIBRATION FOR 473364 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452490110001	File:	gc06_120622001	Time:	06-DEC-2022 08:30
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	539.1	ug/L	8	15	0.0000	
Aroclor-1260	A			500.0	502.5	ug/L	0	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4080	1.3107	40.00	38.93	ug/L	-3	15	0.0000	
TCMX (PCB)	A	0.9616	0.9654	40.00	40.16	ug/L	0	15	0.0000	
Aroclor-1016	B			500.0	544.9	ug/L	9	15	0.0000	
Aroclor-1260	B			500.0	467.7	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.0251	40.00	38.19	ug/L	-5	15	0.0000	
TCMX (PCB)	B	0.9605	0.9813	40.00	40.87	ug/L	2	15	0.0000	

ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	4549134	3.06
1-bromo-2-nitrobenzene (PCB)	A	1096423	1091103	-0.49

TJW 12/07/22 : Manually integrated due to baseline corrections for Ch. B

Analyst: TJW 12/07/22 **Reviewer:** LW 12/08/22

Enthalpy Internal Standard Summary for Sequence 452490110

Date:	12/06/22	Reference:	gc06_102422015
Sequence:	SVOA-GC06 gc06_120622	Analyzed:	10/24/22 17:44

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	4414084	1096423
		LOWER LIMIT	2207042	548212
		UPPER LIMIT	8828169	2192847
001	CCV		4549134	1091103
029	CCV		4695651	1100545

Enthalpy Internal Standard Summary for Sequence 452490110

Date:	12/06/22	Reference:	gc06_120622001
Sequence:	SVOA-GC06 gc06_120622	Analyzed:	12/06/22 08:30

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4549134	1091103
		LOWER LIMIT	2274567	545551
		UPPER LIMIT	9098269	2182206
006	BLANK	QC1029966	5901672	1308305
007	BS	QC1029967	5950540	1312250
008	BSD	QC1029968	5520767	1282914
009	SAMPLE	473361-001	5579927	1291670
010	SAMPLE	473361-003	5246659	1209152
011	SAMPLE	473364-001	4200289	978688
012	SAMPLE	473364-002	5344930	1307017
013	SAMPLE	473364-004	5607618	1419278
014	SAMPLE	473364-007	5508167	1282721
015	SAMPLE	473364-009	5898532	1380430
016	SAMPLE	473364-011	5329738	1247055
017	SAMPLE	473365-001	5223892	1212130
018	SAMPLE	473365-003	5623780	1316464
019	SAMPLE	473365-004	5176026	1229105
020	SAMPLE	473365-006	5289836	1267546
021	SAMPLE	473365-008	4625564	1110199
022	SAMPLE	473365-011	4770317	1125481
023	SAMPLE	473365-013	5170661	1217864
024	SAMPLE	473365-015	5331351	1263870
025	SAMPLE	473365-017	4898440	1163369
026	SAMPLE	473365-021	4321726	1027079
027	SAMPLE	473365-045	5213175	1230882
028	SAMPLE	473365-049	5292967	1230005

Enthalpy Internal Standard Summary for Sequence 452490110

Date:	12/06/22	Reference:	gc06_120622001
Sequence:	SVOA-GC06 gc06_120622	Analyzed:	12/06/22 08:30

#	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	4.42	4.17
		LOWER LIMIT	4.22	3.97
		UPPER LIMIT	4.62	4.37
006	BLANK	QC1029966	4.42	4.17
007	BS	QC1029967	4.42	4.17
008	BSD	QC1029968	4.42	4.17
009	SAMPLE	473361-001	4.42	4.17
010	SAMPLE	473361-003	4.42	4.17
011	SAMPLE	473364-001	4.42	4.17
012	SAMPLE	473364-002	4.42	4.17
013	SAMPLE	473364-004	4.42	4.17
014	SAMPLE	473364-007	4.42	4.17
015	SAMPLE	473364-009	4.42	4.17
016	SAMPLE	473364-011	4.42	4.17
017	SAMPLE	473365-001	4.42	4.17
018	SAMPLE	473365-003	4.42	4.17
019	SAMPLE	473365-004	4.42	4.17
020	SAMPLE	473365-006	4.42	4.17
021	SAMPLE	473365-008	4.42	4.17
022	SAMPLE	473365-011	4.42	4.17
023	SAMPLE	473365-013	4.42	4.17
024	SAMPLE	473365-015	4.42	4.17
025	SAMPLE	473365-017	4.42	4.17
026	SAMPLE	473365-021	4.42	4.17
027	SAMPLE	473365-045	4.42	4.17
028	SAMPLE	473365-049	4.42	4.17

Enthalpy Internal Standard Summary for Sequence 452490110

Date: 12/06/22 Reference: gc06_120622005
Sequence: SVOA-GC06 gc06_120622 Analyzed: 12/06/22 09:48

#	Type	Sample ID	1BR2NITROBZ1268 B	1BR2NITROBZ1268 A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV STD	4929107	1140077
		LOWER LIMIT	2464554	570039
		UPPER LIMIT	9858214	2280155
006	BLANK	QC1029966		
009	SAMPLE	473361-001	5579508	1288421
010	SAMPLE	473361-003	5246880	1205917
011	SAMPLE	473364-001	4200350	978058
012	SAMPLE	473364-002	5345373	1301624
013	SAMPLE	473364-004	5606152	1408695
014	SAMPLE	473364-007	5507910	1411259
015	SAMPLE	473364-009	5903731	1380566
016	SAMPLE	473364-011	5328457	1240978
017	SAMPLE	473365-001	5221310	1207561
018	SAMPLE	473365-003	5622661	1316380
019	SAMPLE	473365-004	5176338	1229887
020	SAMPLE	473365-006	5290842	1271494
021	SAMPLE	473365-008	4625564	1110761
022	SAMPLE	473365-011	4772488	1124705
023	SAMPLE	473365-013	5164495	1216766
024	SAMPLE	473365-015		
025	SAMPLE	473365-017		
026	SAMPLE	473365-021		
027	SAMPLE	473365-045		
028	SAMPLE	473365-049		
034	BLANK	QC1030057		
037	SAMPLE	473365-019		
038	SAMPLE	473365-023		
039	SAMPLE	473365-025		
040	SAMPLE	473365-028		
041	SAMPLE	473365-030		
042	SAMPLE	473365-032		
043	SAMPLE	473365-033		
044	SAMPLE	473365-035		
045	SAMPLE	473365-037		
046	SAMPLE	473365-039		
047	SAMPLE	473365-041		
048	SAMPLE	473365-043		
049	SAMPLE	473365-047		
050	SAMPLE	473538-001		
051	SAMPLE	473538-003		
052	SAMPLE	473538-005		
053	SAMPLE	473538-007		
054	SAMPLE	473538-009		
055	SAMPLE	473538-011		
056	BLANK	QC1030060		
059	SAMPLE	473543-001		
060	SAMPLE	473543-003		
061	SAMPLE	473543-005		
062	SAMPLE	473543-007		
063	SAMPLE	473543-008		
064	SAMPLE	473543-010		
065	SAMPLE	473543-012		
066	SAMPLE	473543-014		
067	SAMPLE	473543-016		
068	SAMPLE	473543-019		
069	SAMPLE	473543-021		

Date: 12/06/22 Reference: gc06_120622005
Sequence: SVOA-GC06 gc06_120622 Analyzed: 12/06/22 09:48

#	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	4.42	4.17
		LOWER LIMIT	4.22	3.97
		UPPER LIMIT	4.62	4.37
006	BLANK	QC1029966		
009	SAMPLE	473361-001	4.42	4.17
010	SAMPLE	473361-003	4.42	4.17
011	SAMPLE	473364-001	4.42	4.17
012	SAMPLE	473364-002	4.42	4.17
013	SAMPLE	473364-004	4.42	4.17
014	SAMPLE	473364-007	4.42	4.17
015	SAMPLE	473364-009	4.42	4.17
016	SAMPLE	473364-011	4.42	4.17
017	SAMPLE	473365-001	4.42	4.17
018	SAMPLE	473365-003	4.42	4.17
019	SAMPLE	473365-004	4.42	4.17
020	SAMPLE	473365-006	4.42	4.17
021	SAMPLE	473365-008	4.42	4.17
022	SAMPLE	473365-011	4.42	4.17
023	SAMPLE	473365-013	4.42	4.17
024	SAMPLE	473365-015		
025	SAMPLE	473365-017		
026	SAMPLE	473365-021		
027	SAMPLE	473365-045		
028	SAMPLE	473365-049		
034	BLANK	QC1030057		
037	SAMPLE	473365-019		
038	SAMPLE	473365-023		
039	SAMPLE	473365-025		
040	SAMPLE	473365-028		
041	SAMPLE	473365-030		
042	SAMPLE	473365-032		
043	SAMPLE	473365-033		
044	SAMPLE	473365-035		
045	SAMPLE	473365-037		
046	SAMPLE	473365-039		
047	SAMPLE	473365-041		
048	SAMPLE	473365-043		
049	SAMPLE	473365-047		
050	SAMPLE	473538-001		
051	SAMPLE	473538-003		
052	SAMPLE	473538-005		
053	SAMPLE	473538-007		
054	SAMPLE	473538-009		
055	SAMPLE	473538-011		
056	BLANK	QC1030060		
059	SAMPLE	473543-001		
060	SAMPLE	473543-003		
061	SAMPLE	473543-005		
062	SAMPLE	473543-007		
063	SAMPLE	473543-008		
064	SAMPLE	473543-010		
065	SAMPLE	473543-012		
066	SAMPLE	473543-014		
067	SAMPLE	473543-016		
068	SAMPLE	473543-019		

Enthalpy Internal Standard Summary for Sequence 452490110

Date:	12/06/22	Reference:	gc06_120622005
Sequence:	SVOA-GC06 gc06_120622	Analyzed:	12/06/22 09:48

#	Type	Sample ID	1BR2NITROBZ1268 B RT	1BR2NITROBZ1268 A RT
069	SAMPLE	473543-021		

Enthalpy Sequence Summary for Sequence 452428510

Instrument: SVOA-GC06 Begun: 10/24/22 13:50

Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc06_102422002	PEM				10/24/22 13:50	1.0	
003	gc06_102422003	ICAL				10/24/22 14:08	1.0	1
004	gc06_102422004	ICAL				10/24/22 14:26	1.0	2
005	gc06_102422005	ICAL				10/24/22 14:44	1.0	3
006	gc06_102422006	ICAL				10/24/22 15:02	1.0	4
007	gc06_102422007	ICAL				10/24/22 15:20	1.0	5
008	gc06_102422008	ICAL				10/24/22 15:38	1.0	6
009	gc06_102422009	ICAL				10/24/22 15:56	1.0	7
010	gc06_102422010	ICAL				10/24/22 16:14	1.0	8
012	gc06_102422012	ICV				10/24/22 16:50	1.0	9
014	gc06_102422014	ICAL				10/24/22 17:26	1.0	10
015	gc06_102422015	ICAL				10/24/22 17:44	1.0	11
016	gc06_102422016	ICAL				10/24/22 18:02	1.0	12
017	gc06_102422017	ICAL				10/24/22 18:20	1.0	13
018	gc06_102422018	ICAL				10/24/22 18:38	1.0	14
019	gc06_102422019	ICAL				10/24/22 18:55	1.0	15
020	gc06_102422020	ICAL				10/24/22 19:13	1.0	16
021	gc06_102422021	ICAL				10/24/22 19:31	1.0	17
022	gc06_102422022	ICAL				10/24/22 19:49	1.0	18
024	gc06_102422024	ICV				10/24/22 20:25	1.0	19

TRN 10/26/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 24.

Standards Used:

1=S17239 2=S17240 3=S17241 4=S17242 5=S17243 6=S17244 7=S17245 8=S17246 9=S17235 10=S17263 11=S17264 12=S17265 13=S17266 14=S17267 15=S17268 16=S17269 17=S17270 18=S17271 19=S17274

Enthalpy Sequence Summary for Sequence 452490110

Instrument: SVOA-GC06 Begun: 12/06/22 08:30

Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
001	gc06_120622001	CCV				12/06/22 08:30	1.0	1
005	gc06_120622005	ICAL				12/06/22 09:48	1.0	2
006	gc06_120622006	BLANK	QC1029966	Wipe	302486	12/06/22 10:06	1.0	3
007	gc06_120622007	BS	QC1029967	Wipe	302486	12/06/22 10:24	1.0	3
008	gc06_120622008	BSD	QC1029968	Wipe	302486	12/06/22 10:42	1.0	3
009	gc06_120622009	SAMPLE	473361-001	Wipe	302486	12/06/22 11:01	1.0	3
010	gc06_120622010	SAMPLE	473361-003	Wipe	302486	12/06/22 11:19	1.0	3
011	gc06_120622011	SAMPLE	473364-001	Wipe	302486	12/06/22 11:37	1.0	3
012	gc06_120622012	SAMPLE	473364-002	Wipe	302486	12/06/22 11:56	1.0	3
013	gc06_120622013	SAMPLE	473364-004	Wipe	302486	12/06/22 12:14	1.0	3
014	gc06_120622014	SAMPLE	473364-007	Wipe	302486	12/06/22 12:32	1.0	3
015	gc06_120622015	SAMPLE	473364-009	Wipe	302486	12/06/22 12:51	1.0	3
016	gc06_120622016	SAMPLE	473364-011	Wipe	302486	12/06/22 13:09	1.0	3
017	gc06_120622017	SAMPLE	473365-001	Wipe	302486	12/06/22 13:27	1.0	3
018	gc06_120622018	SAMPLE	473365-003	Wipe	302486	12/06/22 13:46	1.0	3
019	gc06_120622019	SAMPLE	473365-004	Wipe	302486	12/06/22 14:04	1.0	3
020	gc06_120622020	SAMPLE	473365-006	Wipe	302486	12/06/22 14:23	1.0	3
021	gc06_120622021	SAMPLE	473365-008	Wipe	302486	12/06/22 14:41	1.0	3
022	gc06_120622022	SAMPLE	473365-011	Wipe	302486	12/06/22 14:59	1.0	3
023	gc06_120622023	SAMPLE	473365-013	Wipe	302486	12/06/22 15:18	1.0	3
024	gc06_120622024	SAMPLE	473365-015	Wipe	302486	12/06/22 15:36	1.0	3
025	gc06_120622025	SAMPLE	473365-017	Wipe	302486	12/06/22 15:54	1.0	3
026	gc06_120622026	SAMPLE	473365-021	Wipe	302486	12/06/22 16:13	1.0	3
027	gc06_120622027	SAMPLE	473365-045	Wipe	302486	12/06/22 16:31	1.0	3
028	gc06_120622028	SAMPLE	473365-049	Wipe	302486	12/06/22 16:49	1.0	3
029	gc06_120622029	CCV				12/06/22 17:08	1.0	1
034	gc06_120622034	BLANK	QC1030057	Wipe	302518	12/06/22 18:40	1.0	3
035	gc06_120622035	BS	QC1030058	Wipe	302518	12/06/22 18:58	1.0	3
036	gc06_120622036	BSD	QC1030059	Wipe	302518	12/06/22 19:16	1.0	3
037	gc06_120622037	SAMPLE	473365-019	Wipe	302518	12/06/22 19:35	1.0	3
038	gc06_120622038	SAMPLE	473365-023	Wipe	302518	12/06/22 19:53	1.0	3
039	gc06_120622039	SAMPLE	473365-025	Wipe	302518	12/06/22 20:11	1.0	3
040	gc06_120622040	SAMPLE	473365-028	Wipe	302518	12/06/22 20:30	1.0	3
041	gc06_120622041	SAMPLE	473365-030	Wipe	302518	12/06/22 20:48	1.0	3
042	gc06_120622042	SAMPLE	473365-032	Wipe	302518	12/06/22 21:07	1.0	3
043	gc06_120622043	SAMPLE	473365-033	Wipe	302518	12/06/22 21:25	1.0	3
044	gc06_120622044	SAMPLE	473365-035	Wipe	302518	12/06/22 21:43	1.0	3
045	gc06_120622045	SAMPLE	473365-037	Wipe	302518	12/06/22 22:02	1.0	3
046	gc06_120622046	SAMPLE	473365-039	Wipe	302518	12/06/22 22:20	1.0	3
047	gc06_120622047	SAMPLE	473365-041	Wipe	302518	12/06/22 22:38	1.0	3
048	gc06_120622048	SAMPLE	473365-043	Wipe	302518	12/06/22 22:57	1.0	3
049	gc06_120622049	SAMPLE	473365-047	Wipe	302518	12/06/22 23:15	1.0	3
050	gc06_120622050	SAMPLE	473538-001	Wipe	302518	12/06/22 23:34	1.0	3
051	gc06_120622051	SAMPLE	473538-003	Wipe	302518	12/06/22 23:52	1.0	3
052	gc06_120622052	SAMPLE	473538-005	Wipe	302518	12/07/22 00:10	1.0	3
053	gc06_120622053	SAMPLE	473538-007	Wipe	302518	12/07/22 00:29	1.0	3
054	gc06_120622054	SAMPLE	473538-009	Wipe	302518	12/07/22 00:47	1.0	3
055	gc06_120622055	SAMPLE	473538-011	Wipe	302518	12/07/22 01:05	1.0	3
056	gc06_120622056	BLANK	QC1030060	Wipe	302519	12/07/22 01:24	1.0	3
057	gc06_120622057	BS	QC1030061	Wipe	302519	12/07/22 01:42	1.0	3

Enthalpy Sequence Summary for Sequence 452490110

Instrument: SVOA-GC06 Begun: 12/06/22 08:30
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
058	gc06_120622058	BSD	QC1030062	Wipe	302519	12/07/22 02:00	1.0	3
059	gc06_120622059	SAMPLE	473543-001	Wipe	302519	12/07/22 02:19	1.0	3
060	gc06_120622060	SAMPLE	473543-003	Wipe	302519	12/07/22 02:37	1.0	3
061	gc06_120622061	SAMPLE	473543-005	Wipe	302519	12/07/22 02:56	1.0	3
062	gc06_120622062	SAMPLE	473543-007	Wipe	302519	12/07/22 03:14	1.0	3
063	gc06_120622063	SAMPLE	473543-008	Wipe	302519	12/07/22 03:32	1.0	3
064	gc06_120622064	SAMPLE	473543-010	Wipe	302519	12/07/22 03:51	1.0	3
065	gc06_120622065	SAMPLE	473543-012	Wipe	302519	12/07/22 04:09	1.0	3
066	gc06_120622066	SAMPLE	473543-014	Wipe	302519	12/07/22 04:27	1.0	3
067	gc06_120622067	SAMPLE	473543-016	Wipe	302519	12/07/22 04:46	1.0	3
068	gc06_120622068	SAMPLE	473543-019	Wipe	302519	12/07/22 05:04	1.0	3
069	gc06_120622069	SAMPLE	473543-021	Wipe	302519	12/07/22 05:23	1.0	3

TJW 12/08/22 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 1 through 69.

Standards Used:
1=S17386 2=S17467 3=S17010

SAMPLE PREPARATION SUMMARY

Batch # : 302486 Analysis : PCB-MICROWAVE
Started By : EPL Prep Date : 05-DEC-2022 16:11 Finished By : EPL
Method : 3572M Units : dm2
Spike #1 ID : S17651 Spike #2 ID : S17644

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
473361-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473361-003		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473364-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473364-002		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473364-004		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473364-007		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473364-009		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473364-011		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473365-001		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473365-003		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473365-004		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473365-006		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473365-008		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473365-011		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473365-013		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473365-015		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473365-017		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473365-021		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473365-045		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
473365-049		Wipe	1	10	1	10.0		.5				PCB-MICROWAVE	
QC1029966	BLANK	Wipe	1	10	1	10.0		.5				8080	
QC1029967	BS	Wipe	1	10	1	10.0		.5	.5			8080	
QC1029968	BSD	Wipe	1	10	1	10.0		.5	.5			8080	

Analyst: TJW Date: 12/08/22 Reviewer: LW Date: 12/08/22

8081/8082/608.3 Prep Log

Date/Time: 12/5/22 16:11 Initials: EPL

Microdipenser ID: SYRINGE Therm ID/CF: ____/____ Hotblock Temp (°C): N/A

Prep Method: 3546 Matrix: WIPE Balance ID: N/A

608.3 QC Batch#: ____

8081 QC Batch #: ____

8082 QC Batch #: 302486

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	MIC(02)-1	TV06	10.0		
LCS		↓	↓	-2	↓	↓		
LCSD				-3				
473361-001	A			-4				
473361-003	A			-5				
473384-001	A			-6	↓			
-002	A			-7	TV05			
-004	A			-8	↓			
-007	A			-9				
-009	A			-10				
-011	A			-11				
473365-001	A			-12	↓			
-003	A			-13	TV07			
-004	A			-14	↓			
-006	A			-15				
-008	A			-16				
-011	A			-17				
-013	A			-18	↓			
-015	A			-19	TV08			
-017	A			-20	↓			
-021	A			-21				
-045	A			-22				
-049	A	↓	↓	MIC -23	↓	↓		

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: 223507

Acetone-Hexane Mix ID: ____

Sodium Sulfate Lot: N/A

Baked Sand Lot: N/A

Surrogate ID: 517651 Volume: 500 µL

Pest LCS Spike ID: N/A Volume: 12/5/22 N/A µL

PCB LCS Spike ID: 517644 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 473364 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
473364-001	Aroclor-1016	SVOA-GC06	B	12/06/22 11:37
473364-001	Aroclor-1221	SVOA-GC06	B	12/06/22 11:37
473364-001	Aroclor-1232	SVOA-GC06	B	12/06/22 11:37
473364-001	Aroclor-1242	SVOA-GC06	B	12/06/22 11:37
473364-001	Aroclor-1248	SVOA-GC06	B	12/06/22 11:37
473364-001	Aroclor-1254	SVOA-GC06	B	12/06/22 11:37
473364-001	Aroclor-1260	SVOA-GC06	B	12/06/22 11:37
473364-001	Aroclor-1262	SVOA-GC06	B	12/06/22 11:37
473364-001	Aroclor-1268	SVOA-GC06	B	12/06/22 11:37
473364-001	TCMX (PCB)	SVOA-GC06	B	12/06/22 11:37
473364-001	Decachlorobiphenyl (PCB)	SVOA-GC06	A	12/06/22 11:37
473364-002	Aroclor-1016	SVOA-GC06	B	12/06/22 11:56
473364-002	Aroclor-1221	SVOA-GC06	B	12/06/22 11:56
473364-002	Aroclor-1232	SVOA-GC06	B	12/06/22 11:56
473364-002	Aroclor-1242	SVOA-GC06	B	12/06/22 11:56
473364-002	Aroclor-1248	SVOA-GC06	B	12/06/22 11:56
473364-002	Aroclor-1254	SVOA-GC06	B	12/06/22 11:56
473364-002	Aroclor-1260	SVOA-GC06	B	12/06/22 11:56
473364-002	Aroclor-1262	SVOA-GC06	B	12/06/22 11:56
473364-002	Aroclor-1268	SVOA-GC06	B	12/06/22 11:56
473364-002	TCMX (PCB)	SVOA-GC06	B	12/06/22 11:56
473364-002	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/06/22 11:56
473364-004	Aroclor-1016	SVOA-GC06	B	12/06/22 12:14
473364-004	Aroclor-1221	SVOA-GC06	B	12/06/22 12:14
473364-004	Aroclor-1232	SVOA-GC06	B	12/06/22 12:14
473364-004	Aroclor-1242	SVOA-GC06	B	12/06/22 12:14
473364-004	Aroclor-1248	SVOA-GC06	B	12/06/22 12:14
473364-004	Aroclor-1254	SVOA-GC06	B	12/06/22 12:14
473364-004	Aroclor-1260	SVOA-GC06	B	12/06/22 12:14
473364-004	Aroclor-1262	SVOA-GC06	B	12/06/22 12:14
473364-004	Aroclor-1268	SVOA-GC06	B	12/06/22 12:14
473364-004	TCMX (PCB)	SVOA-GC06	B	12/06/22 12:14
473364-004	Decachlorobiphenyl (PCB)	SVOA-GC06	A	12/06/22 12:14
473364-007	Aroclor-1016	SVOA-GC06	B	12/06/22 12:32
473364-007	Aroclor-1221	SVOA-GC06	B	12/06/22 12:32
473364-007	Aroclor-1232	SVOA-GC06	B	12/06/22 12:32
473364-007	Aroclor-1242	SVOA-GC06	B	12/06/22 12:32
473364-007	Aroclor-1248	SVOA-GC06	B	12/06/22 12:32
473364-007	Aroclor-1254	SVOA-GC06	B	12/06/22 12:32
473364-007	Aroclor-1260	SVOA-GC06	B	12/06/22 12:32
473364-007	Aroclor-1262	SVOA-GC06	B	12/06/22 12:32
473364-007	Aroclor-1268	SVOA-GC06	B	12/06/22 12:32
473364-007	TCMX (PCB)	SVOA-GC06	B	12/06/22 12:32
473364-007	Decachlorobiphenyl (PCB)	SVOA-GC06	B	12/06/22 12:32
473364-009	Aroclor-1016	SVOA-GC06	B	12/06/22 12:51
473364-009	Aroclor-1221	SVOA-GC06	B	12/06/22 12:51
473364-009	Aroclor-1232	SVOA-GC06	B	12/06/22 12:51
473364-009	Aroclor-1242	SVOA-GC06	B	12/06/22 12:51
473364-009	Aroclor-1248	SVOA-GC06	B	12/06/22 12:51
473364-009	Aroclor-1254	SVOA-GC06	B	12/06/22 12:51

REPORTING SUMMARY FOR 473364 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
473364-009	Aroclor-1260	SVOA-GC06	B	12/06/22 12:51
473364-009	Aroclor-1262	SVOA-GC06	B	12/06/22 12:51
473364-009	Aroclor-1268	SVOA-GC06	B	12/06/22 12:51
473364-009	TCMX (PCB)	SVOA-GC06	B	12/06/22 12:51
473364-009	Decachlorobiphenyl (PCB)	SVOA-GC06	A	12/06/22 12:51
473364-011	Aroclor-1016	SVOA-GC06	B	12/06/22 13:09
473364-011	Aroclor-1221	SVOA-GC06	B	12/06/22 13:09
473364-011	Aroclor-1232	SVOA-GC06	B	12/06/22 13:09
473364-011	Aroclor-1242	SVOA-GC06	B	12/06/22 13:09
473364-011	Aroclor-1248	SVOA-GC06	B	12/06/22 13:09
473364-011	Aroclor-1254	SVOA-GC06	B	12/06/22 13:09
473364-011	Aroclor-1260	SVOA-GC06	B	12/06/22 13:09
473364-011	Aroclor-1262	SVOA-GC06	B	12/06/22 13:09
473364-011	Aroclor-1268	SVOA-GC06	B	12/06/22 13:09
473364-011	TCMX (PCB)	SVOA-GC06	B	12/06/22 13:09
473364-011	Decachlorobiphenyl (PCB)	SVOA-GC06	A	12/06/22 13:09
QC1029966	Aroclor-1016	SVOA-GC06	B	12/06/22 10:06
QC1029966	Aroclor-1221	SVOA-GC06	A	12/06/22 10:06
QC1029966	Aroclor-1232	SVOA-GC06	B	12/06/22 10:06
QC1029966	Aroclor-1242	SVOA-GC06	B	12/06/22 10:06
QC1029966	Aroclor-1248	SVOA-GC06	B	12/06/22 10:06
QC1029966	Aroclor-1254	SVOA-GC06	B	12/06/22 10:06
QC1029966	Aroclor-1260	SVOA-GC06	B	12/06/22 10:06
QC1029966	Aroclor-1262	SVOA-GC06	B	12/06/22 10:06
QC1029966	Aroclor-1268	SVOA-GC06	B	12/06/22 10:06
QC1029966	TCMX (PCB)	SVOA-GC06	B	12/06/22 10:06
QC1029966	Decachlorobiphenyl (PCB)	SVOA-GC06	A	12/06/22 10:06
QC1029967	Aroclor-1016	SVOA-GC06	B	12/06/22 10:24
QC1029967	Aroclor-1260	SVOA-GC06	A	12/06/22 10:24
QC1029967	TCMX (PCB)	SVOA-GC06	A	12/06/22 10:24
QC1029967	Decachlorobiphenyl (PCB)	SVOA-GC06	A	12/06/22 10:24
QC1029968	Aroclor-1016	SVOA-GC06	B	12/06/22 10:42
QC1029968	Aroclor-1260	SVOA-GC06	A	12/06/22 10:42
QC1029968	TCMX (PCB)	SVOA-GC06	B	12/06/22 10:42
QC1029968	Decachlorobiphenyl (PCB)	SVOA-GC06	A	12/06/22 10:42

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	473364-001	Client ID:	AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-P-LA
Seqnum:	452490110011.3	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_120622011	Batch:	302486	Time:	06-DEC-2022 11:37
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	452428510002	72.23	~~0.72~~ ~~FP~~	0.17	124%	0.50		x u
Aroclor-1016 Peak # 1	B	452428510002	52.80	0.53	0.05	168%			
Aroclor-1016 Peak # 2	B	452428510002	19.21	0.19	ND	287%			
Aroclor-1016 Peak # 3	B	452428510002	282.5	2.82	0.61	129%			
Aroclor-1016 Peak # 4	B	452428510002	3.217	0.03	0.07	79%			
Aroclor-1016 Peak # 5	B	452428510002	3.462	0.03	0.15	123%			
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	452428510002	8.887	ND	0.19	72%	0.50		u
Aroclor-1260 Peak # 1	B	452428510002	37.52	0.38	0.11	111%			
Aroclor-1260 Peak # 2	B	452428510002	10.74	0.11	0.01	165%			
Aroclor-1260 Peak # 3	B	452428510002	8.888	0.09	0.15	49%			
Aroclor-1260 Peak # 4	B	452428510002	-5.805	ND	0.79	232%			
Aroclor-1260 Peak # 5	B	452428510002	-6.908	ND	ND	-41%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B	452490110001	11.23	ND	0.41	114%	0.50		?v u
Aroclor-1268 Peak # 1	B	452490110001	17.26	0.17	0.13	30%			
Aroclor-1268 Peak # 2	B	452490110001	22.10	0.22	1.27	141%			
Aroclor-1268 Peak # 3	B	452490110001	6.448	0.06	0.29	127%			
Aroclor-1268 Peak # 4	B	452490110001	7.537	0.08	0.24	103%			
Aroclor-1268 Peak # 5	B	452490110001	2.813	0.03	0.14	134%			

Surrogate	Ch	Cal	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	452428510002	33.12	0.5000	0.3312	66	19-121	u
Decachlorobiphenyl (PCB)	A	452428510002	29.20	0.5000	0.2920	58	19-121	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_120622001)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4549134	4200289	-7.67
1-bromo-2-nitrobenzene (PCB)	A	1091103	978688	-10.30

ISTD (ICAL gc06_120622005)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	4929107	4200350	-14.78
1-bromo-2-nitrobenzene (1268)	A	1140077	978058	-14.21

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_120622001)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.17	4.17	0.00

ISTD (ICAL gc06_120622005)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (1268)	A	4.17	4.17	0.00

TJW 12/06/22 : Sample extracted out of HT

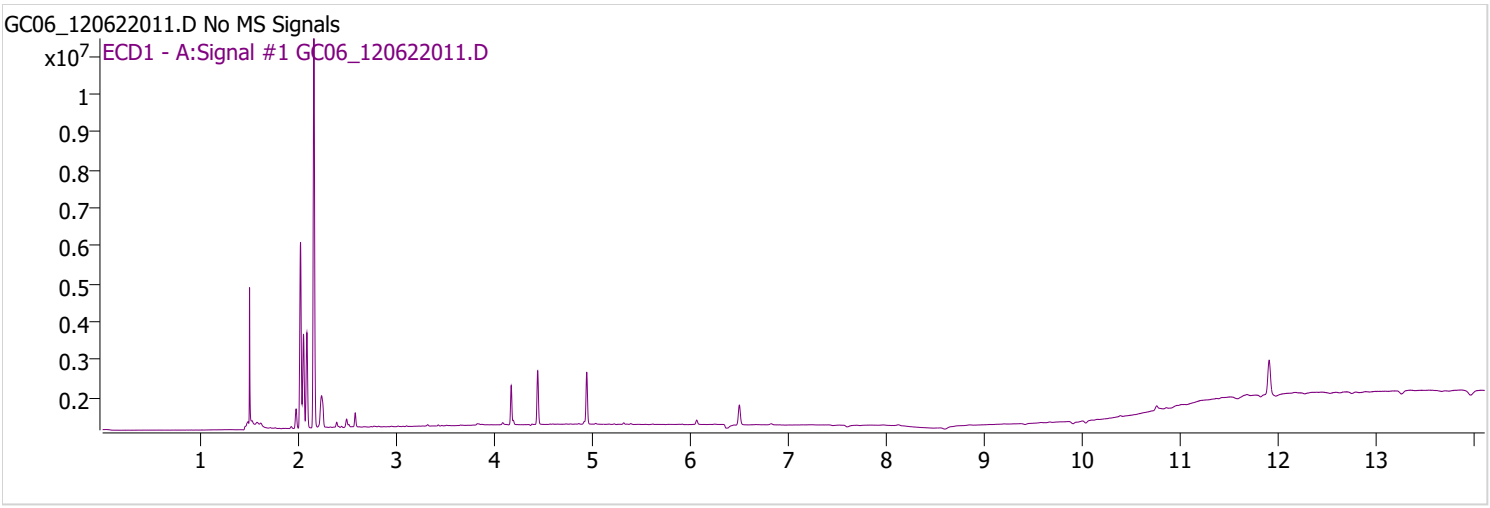
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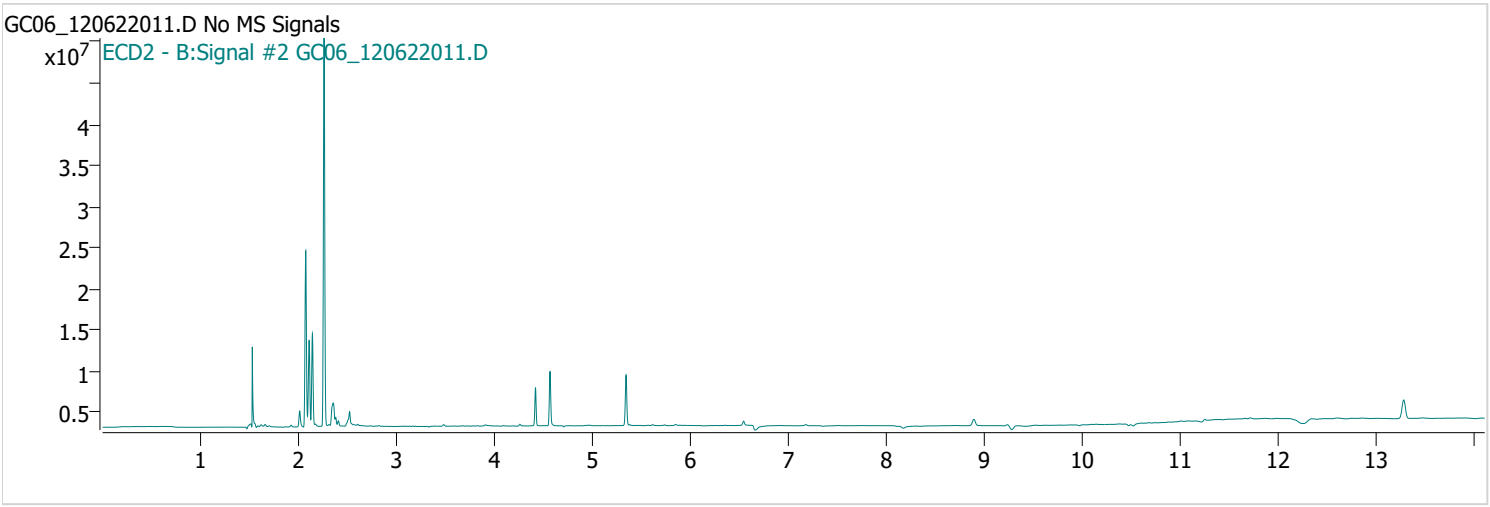
Analyst: TJW 12/06/22 *

Reviewer: LW 12/08/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC06_120622011.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 11:37:47 AM
Sample Name	473364-001, 302486, 1	Instrument	SVOA-GC06
Vial	6	Multiplier	1.00
DA Method File	PCB_AR1268_120622_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_AR1268.batch.bin	Last Calib Update	12/6/2022 3:56:13 PM
Ref Library			



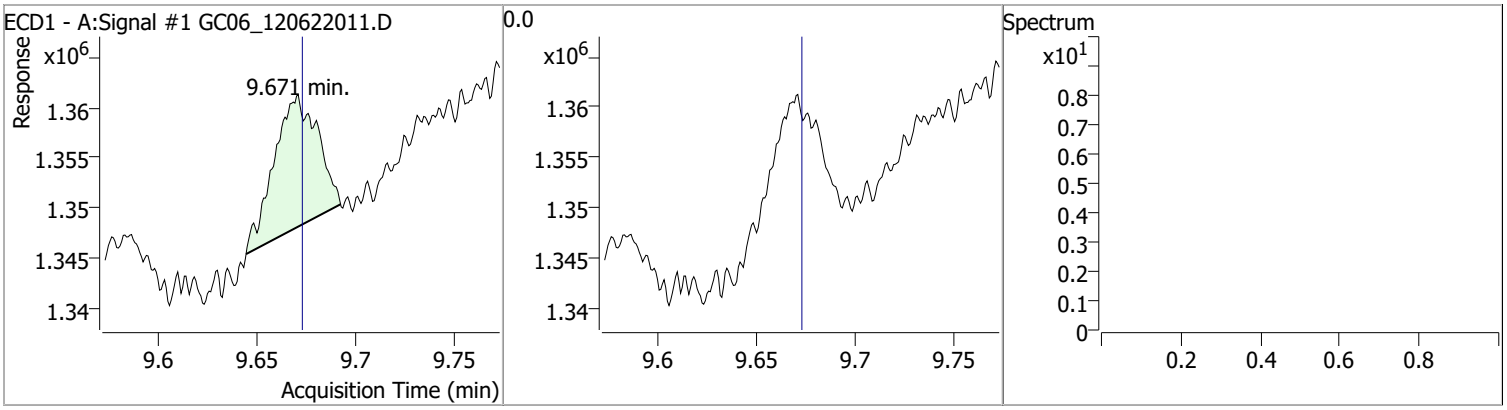


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.172	0.0	978058.003	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (1268) #2	4.420	0.0	4200349.531	20.0000	ng/ml	0.001
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	9.671	0.0	20289.592	12.7697	ng/ml	100
T AR1268 2	10.001	0.0	261594.240	126.5407	ng/ml	100
T Aroclor-1268	10.633	0.0	195542.606	24.3945	ng/ml	
T AR1268 1 #2	10.683	0.0	87675.938	17.2650	ng/ml	100
T AR1268 3	10.764	0.0	234225.647	29.0083	ng/ml	100
T AR1268 4	11.046	0.0	151331.305	23.6969	ng/ml	100
T AR1268 2 #2	11.004	0.0	137660.077	22.1037	ng/ml	100
T AR1268 3 #2	11.660	0.0	158392.027	6.4483	ng/ml	100
T AR1268 5	11.685	0.0	310272.248	14.1273	ng/ml	100
T Aroclor-1268 #2	11.639	0.0	144735.352	5.8725	ng/ml	
T AR1268 4 #2	11.988	0.0	150282.336	7.5370	ng/ml	100

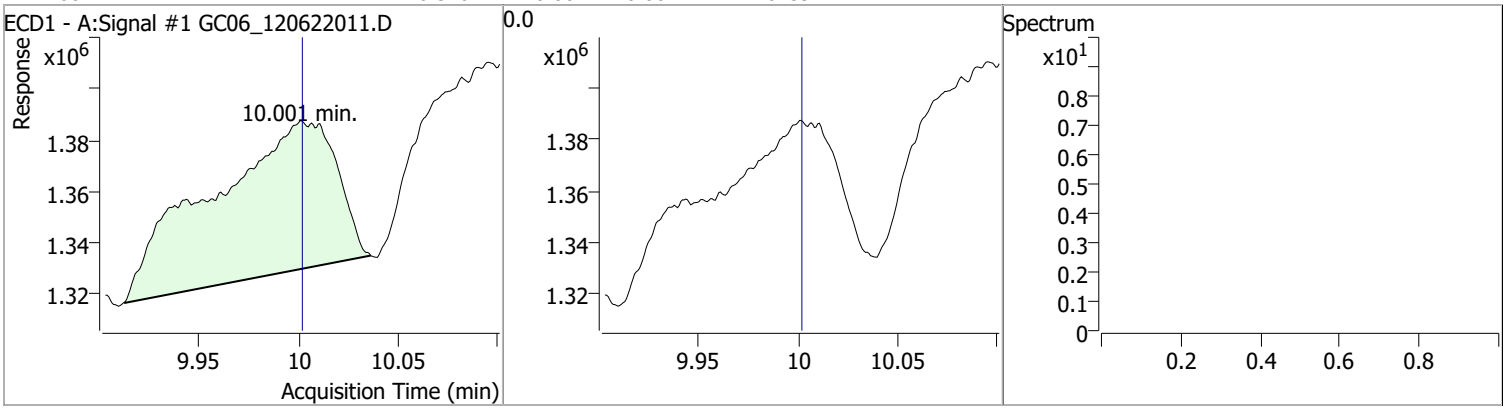
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 5 #2	12.860	0.0	189666.380	2.8131	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

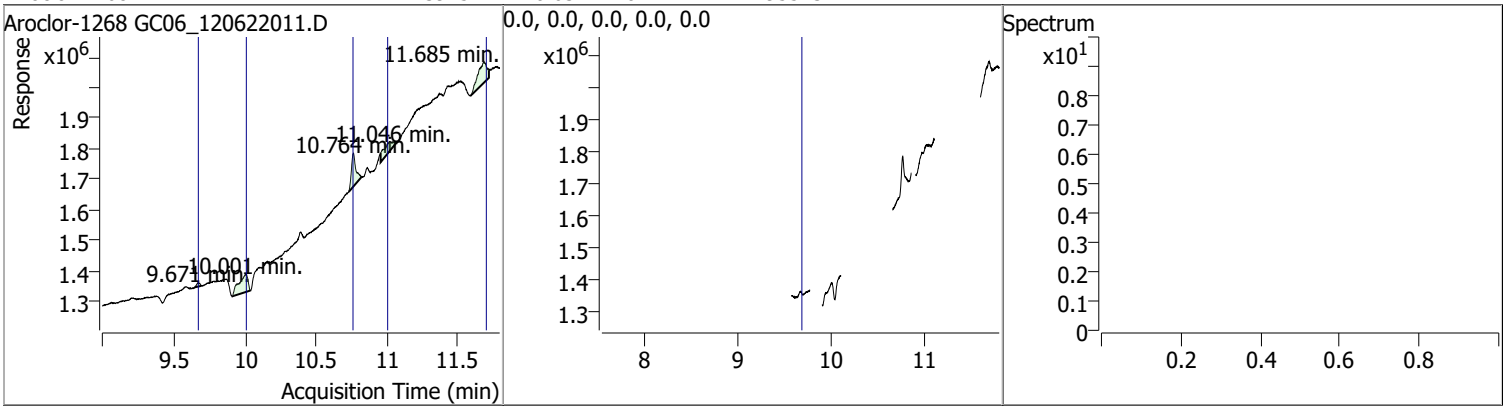
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	12.7697	9.67	0.00	20290				



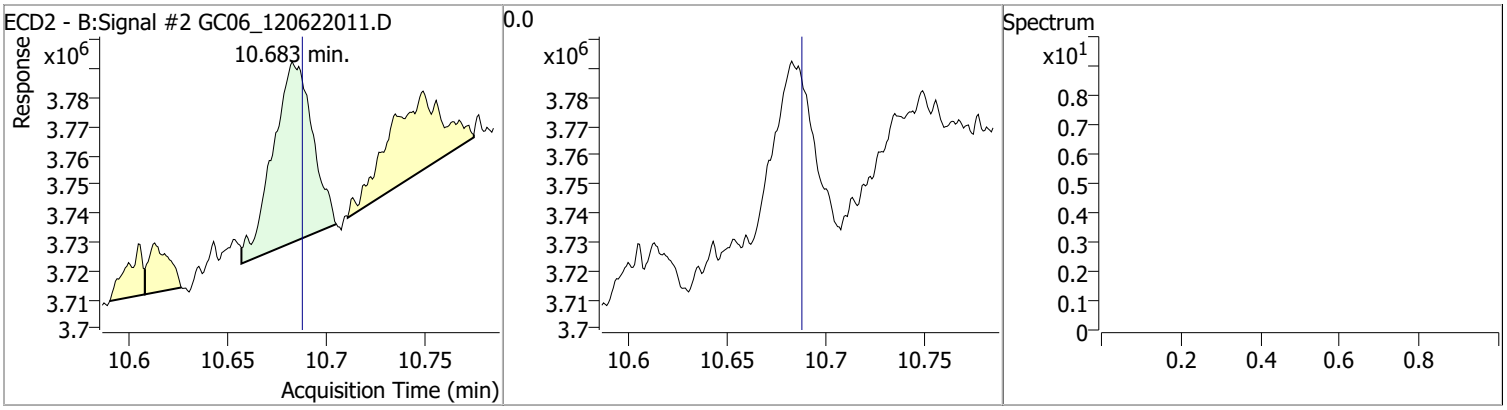
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	126.5407	10.00	0.00	261594				



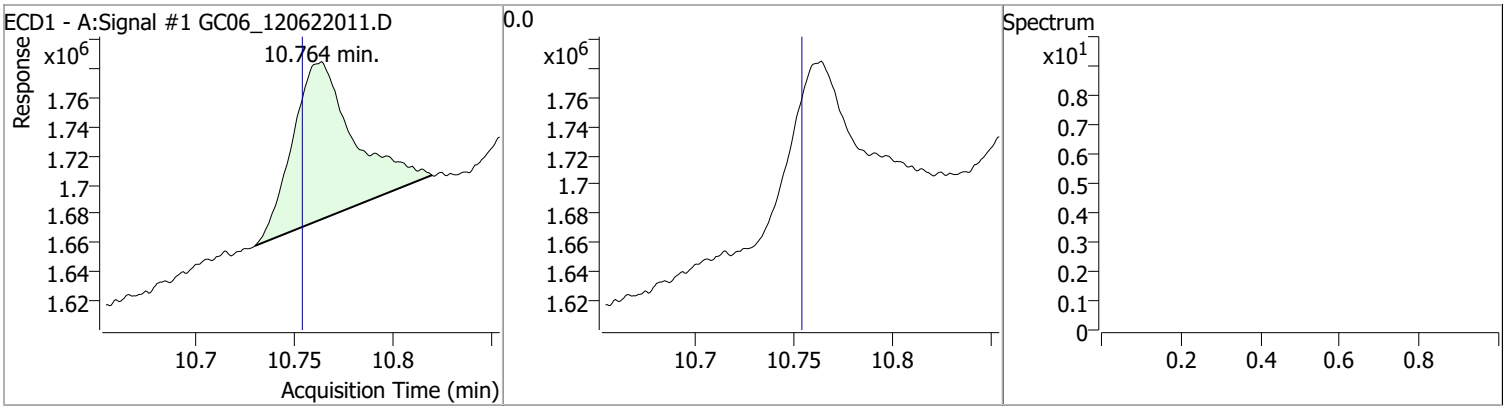
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	24.3945	10.63	0.24	195543				



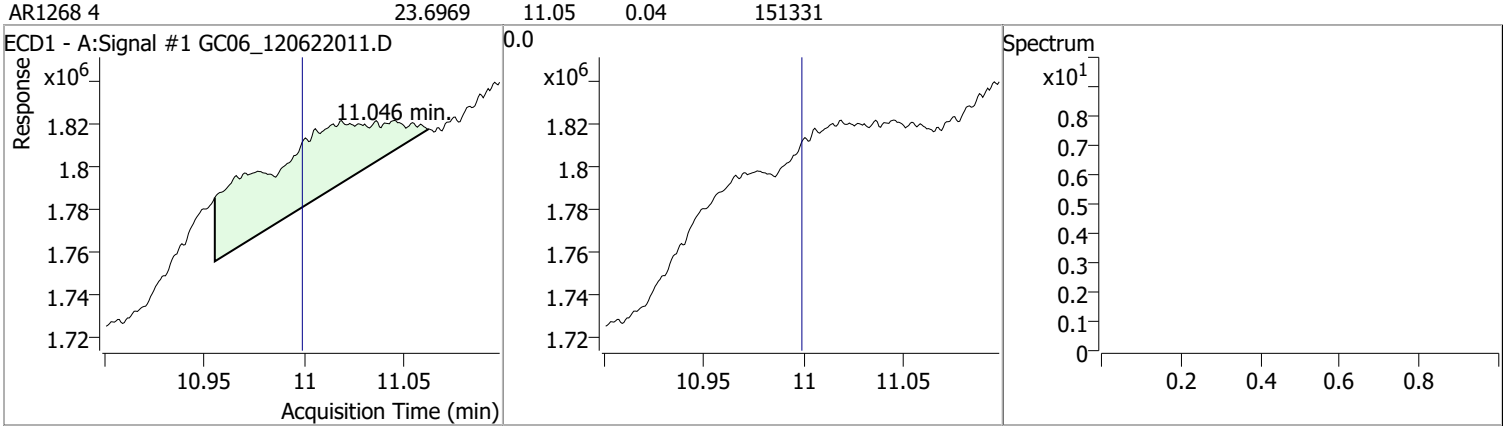
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	17.2650	10.68	0.00	87676				



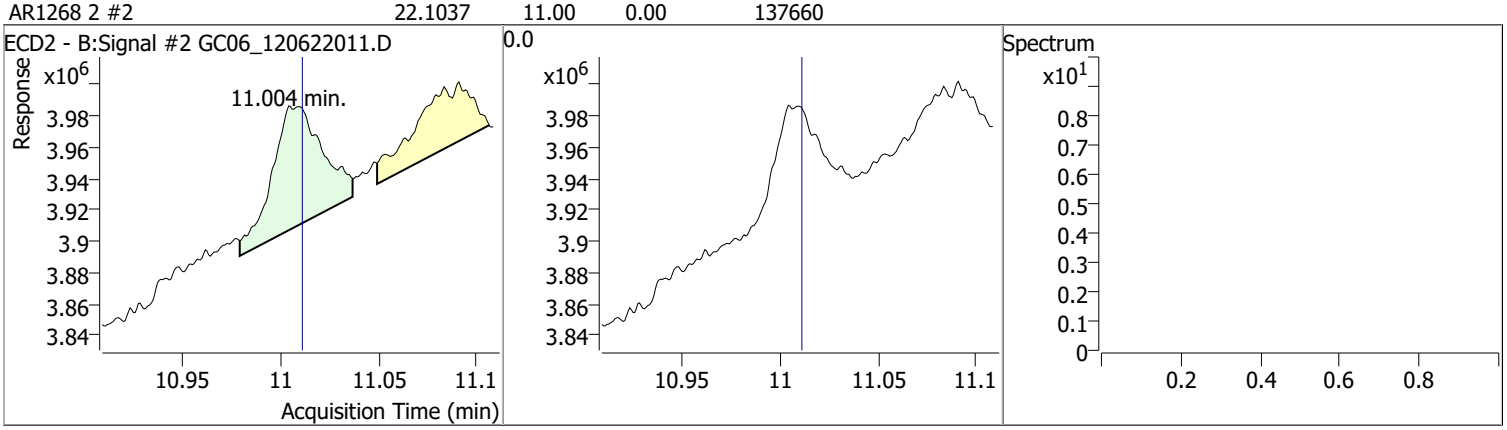
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	29.0083	10.76	0.01	234226				



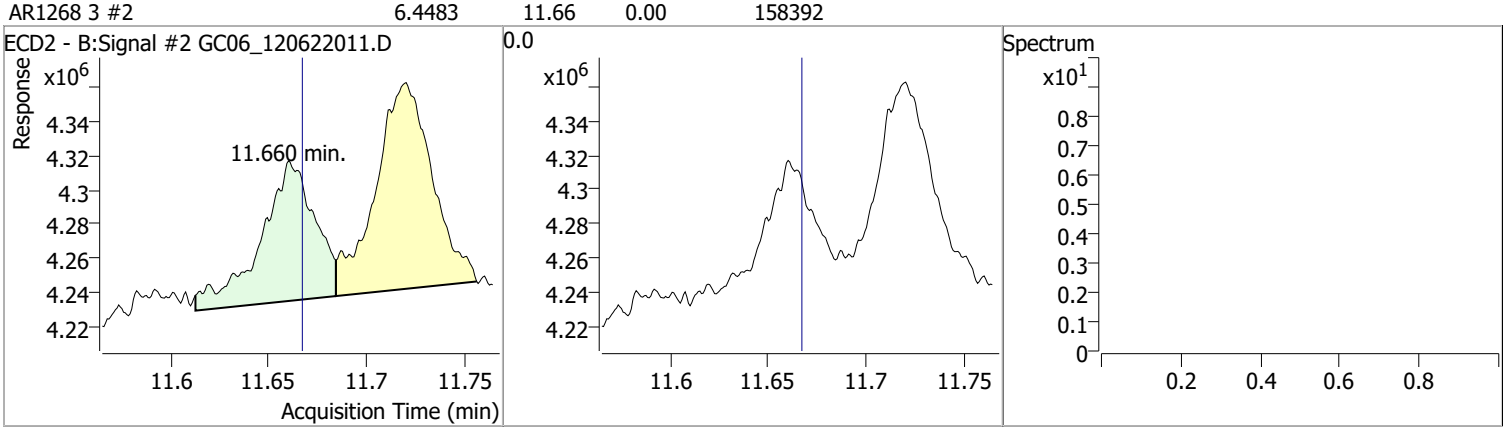
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	23.6969	11.05	0.04	151331				



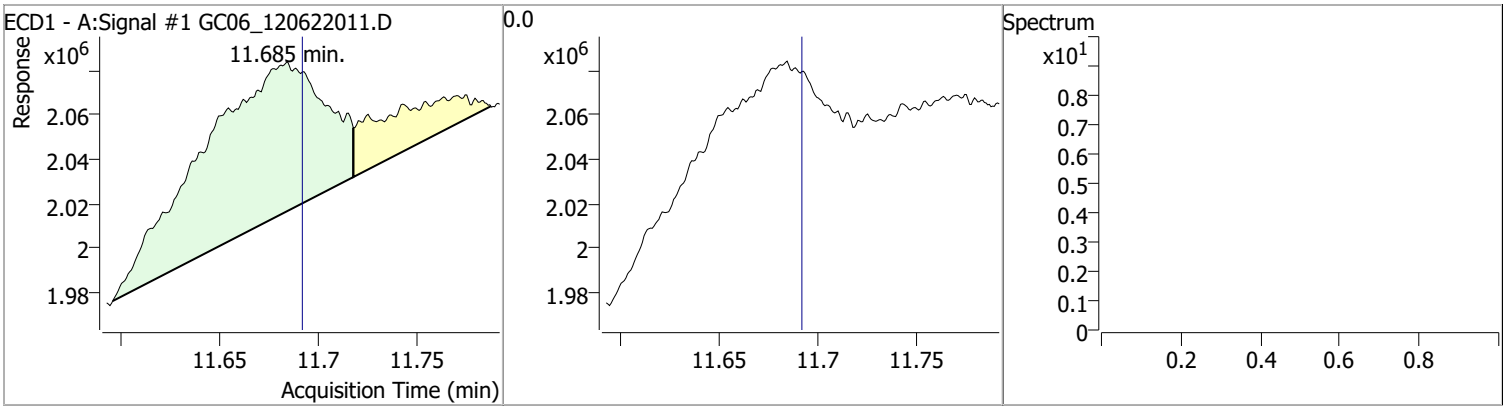
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	22.1037	11.00	0.00	137660				



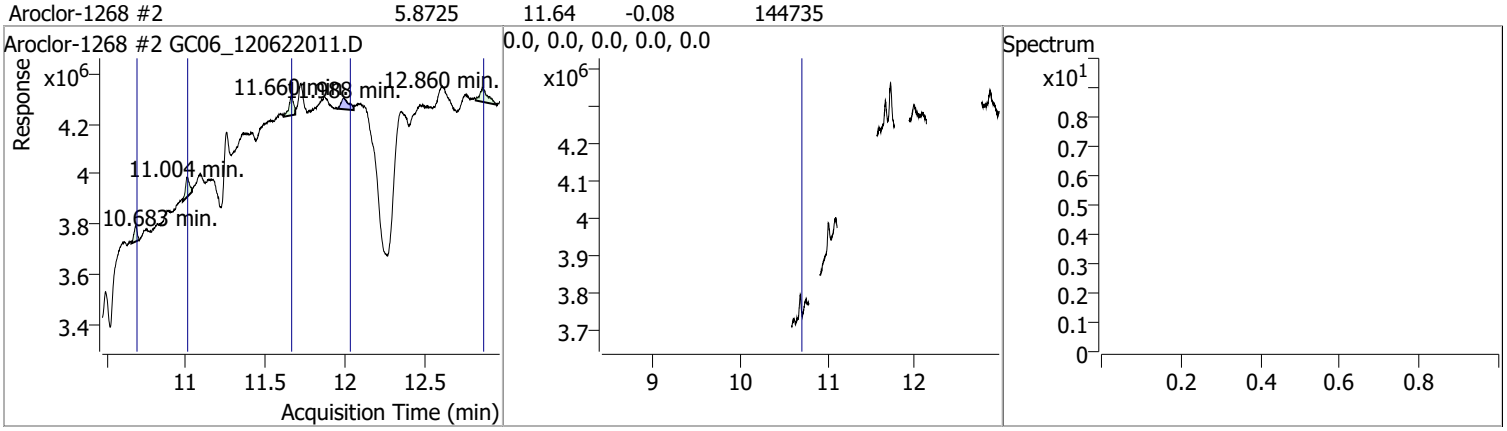
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	6.4483	11.66	0.00	158392				



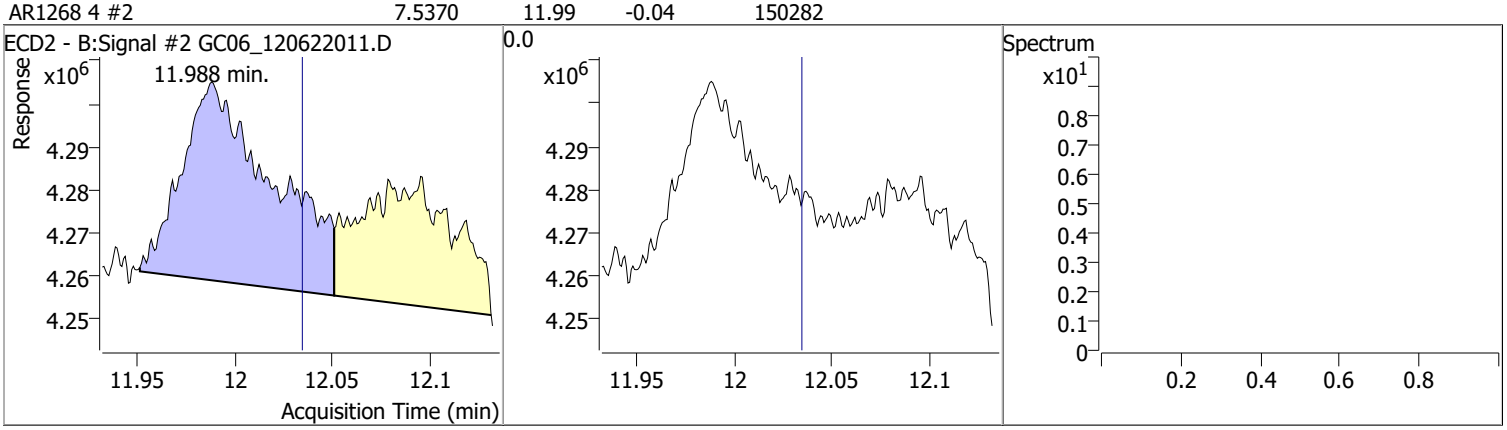
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	14.1273	11.69	-0.01	310272				



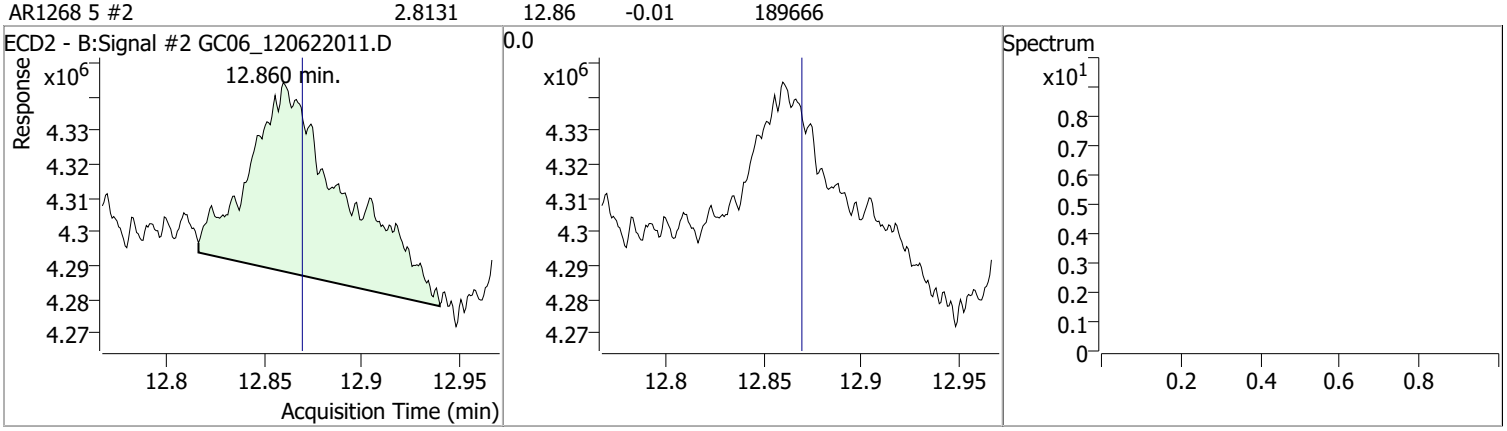
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	5.8725	11.64	-0.08	144735				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	7.5370	11.99	-0.04	150282				

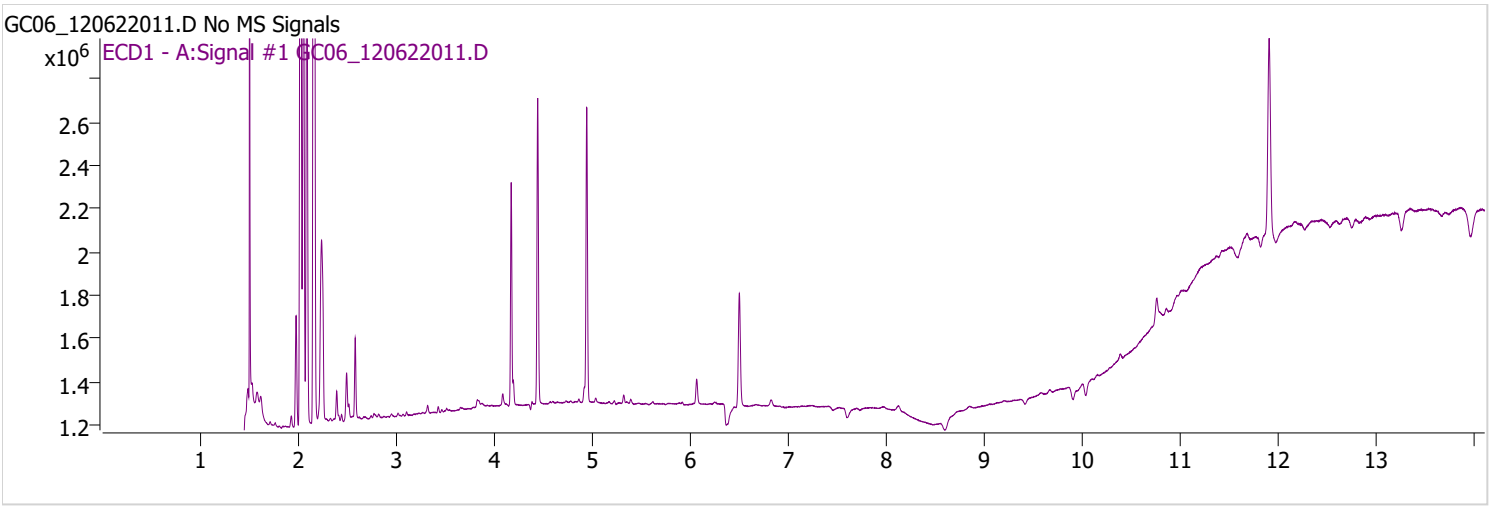


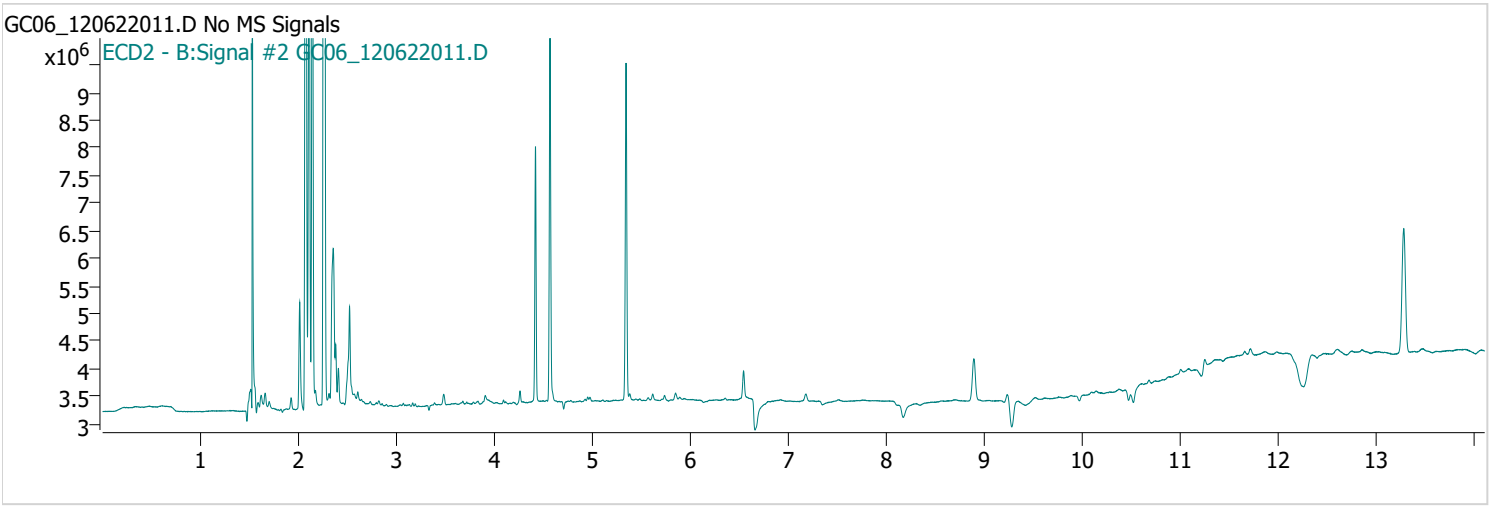
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	2.8131	12.86	-0.01	189666				



Quantitation Results Report (Not Reviewed)

Data File	GC06_120622011.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 11:37:47 AM
Sample Name	473364-001, 302486, 1	Instrument	SVOA-GC06
Vial	6	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_9.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



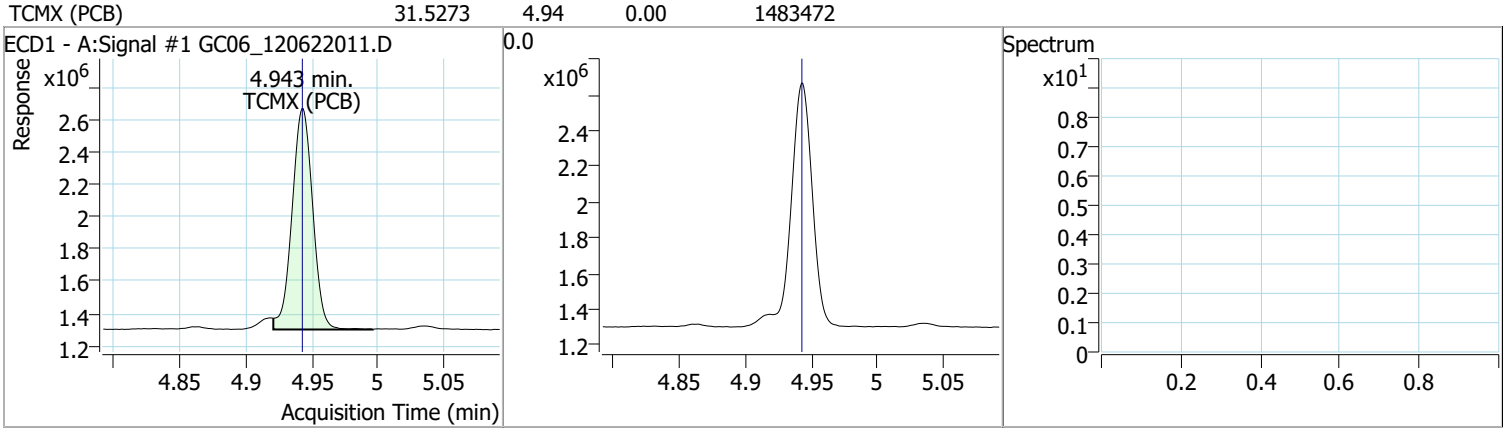


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.172	0.0	978687.552	20.0000	ng/ml		-0.004
M 1-bromo-2-nitrobenzene (PCB) #2	4.420	0.0	4200289.226	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	1483471.551	31.5273	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.64%		*	
S TCMX (PCB) #2	5.344	0.0	6681465.394	33.1230	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.61%		*	
S Decachlorobiphenyl (PCB)	11.910	0.0	1988792.630	29.2059	ng/ml		-0.013
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.03%			
S Decachlorobiphenyl (PCB) #2	13.284	0.0	5655453.490	24.3583	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 121.79%			
Target Compounds							**QValue**
T AR1016 1	5.285	0.0	4689.522	4.5703	ng/ml		100

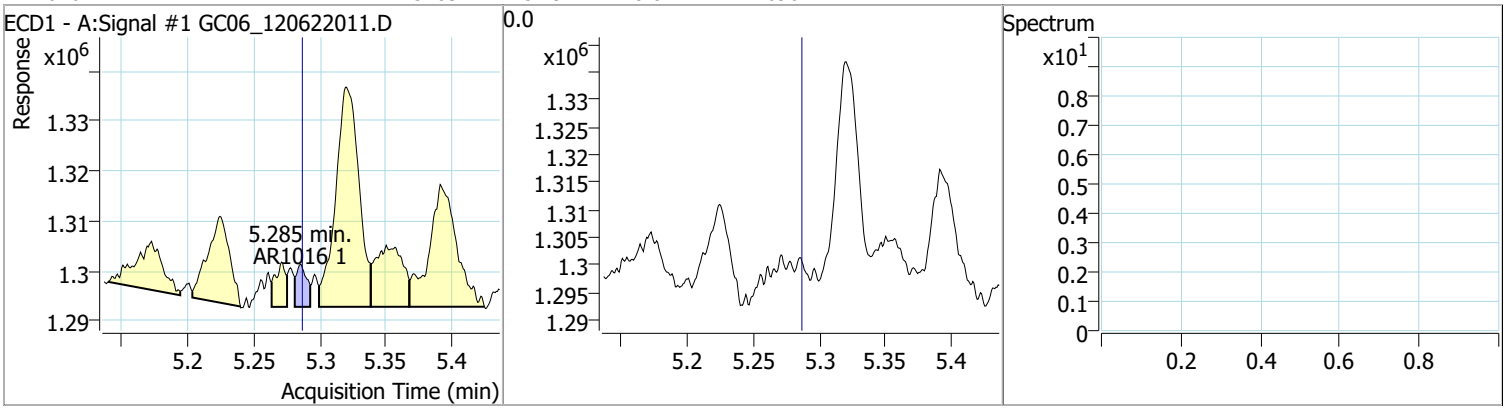
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 2	5.619	0.0	24420.433	0.0000	ng/ml	100
T AR1016 1 #2	5.851	0.0	230487.959	52.7982	ng/ml	100
T AR1016 3	6.065	0.0	159659.944	61.3714	ng/ml	100
T AR1016 4	6.250	0.0	14732.671	7.4459	ng/ml	100
T AR1016 2 #2	6.272	0.0	121047.648	19.2086	ng/ml	100
T AR1016 5	6.665	0.0	23152.100	14.5273	ng/ml	100
T AR1016 3 #2	6.923	0.0	3234341.883	282.4681	ng/ml	100
T AR1016 4 #2	7.023	0.0	26299.304	3.2173	ng/ml	100
T AR1016 5 #2	7.711	0.0	23001.880	3.4618	ng/ml	100
T AR1260 1	8.527	0.0	35729.296	10.7977	ng/ml	100
T AR1260 2	9.056	0.0	5126.160	1.0164	ng/ml	100
T AR1260 3	9.587	0.0	77536.736	14.7087	ng/ml	100
T AR1260 1 #2	9.888	0.0	468975.898	37.5180	ng/ml	100
T AR1260 4	10.001	0.0	261594.240	78.5139	ng/ml	100
T AR1260 2 #2	10.145	0.0	161365.258	10.7440	ng/ml	100
T AR1260 5	10.392	0.0	44928.528	0.0000	ng/ml	100
T AR1260 3 #2	10.495	0.0	168979.487	8.8886	ng/ml	100
T AR1260 4 #2	11.004	0.0	186228.148	0.0000	ng/ml	100
T AR1260 5 #2	11.660	0.0	185741.551	0.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

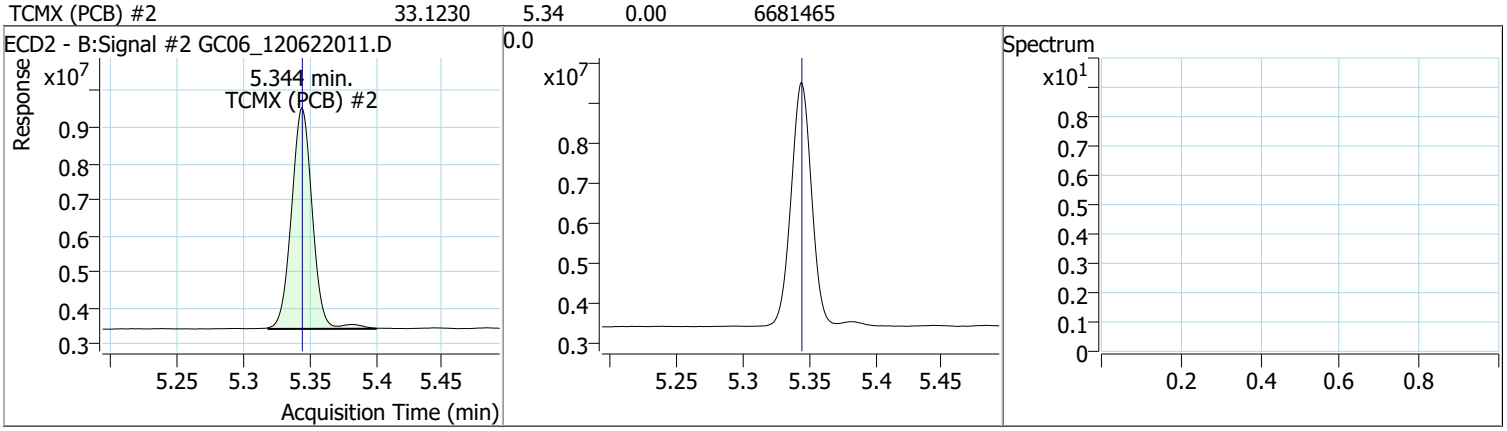
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.5273	4.94	0.00	1483472				



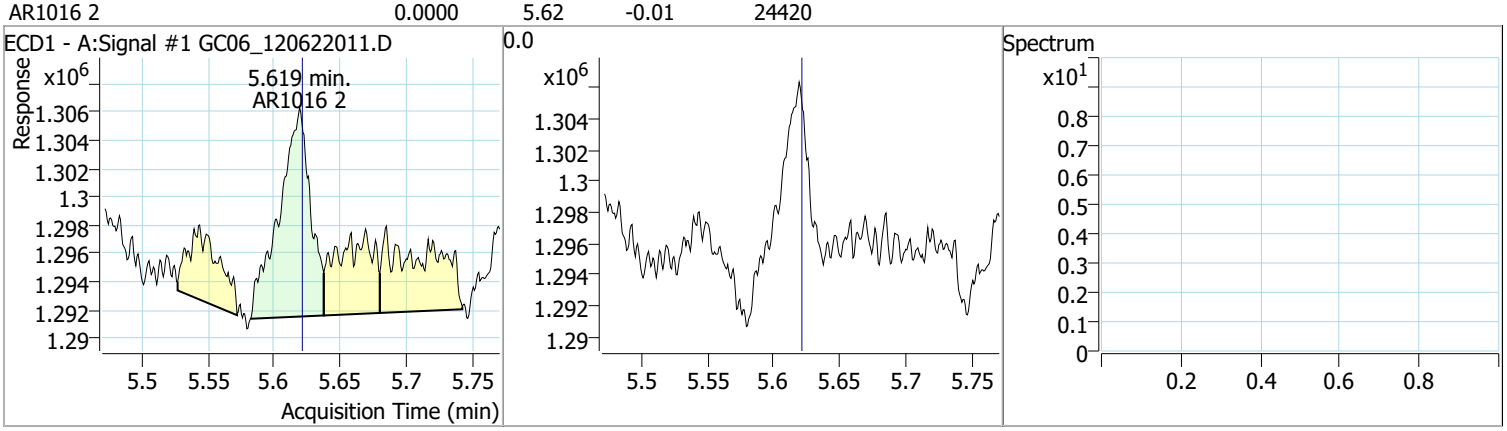
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	4.5703	5.29	-0.01	4690				



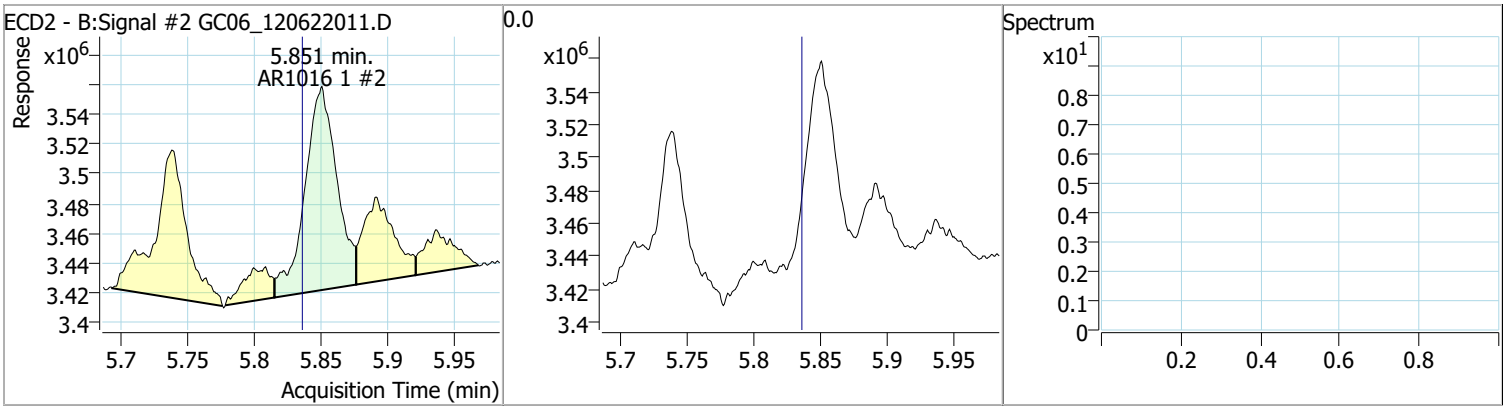
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.1230	5.34	0.00	6681465				



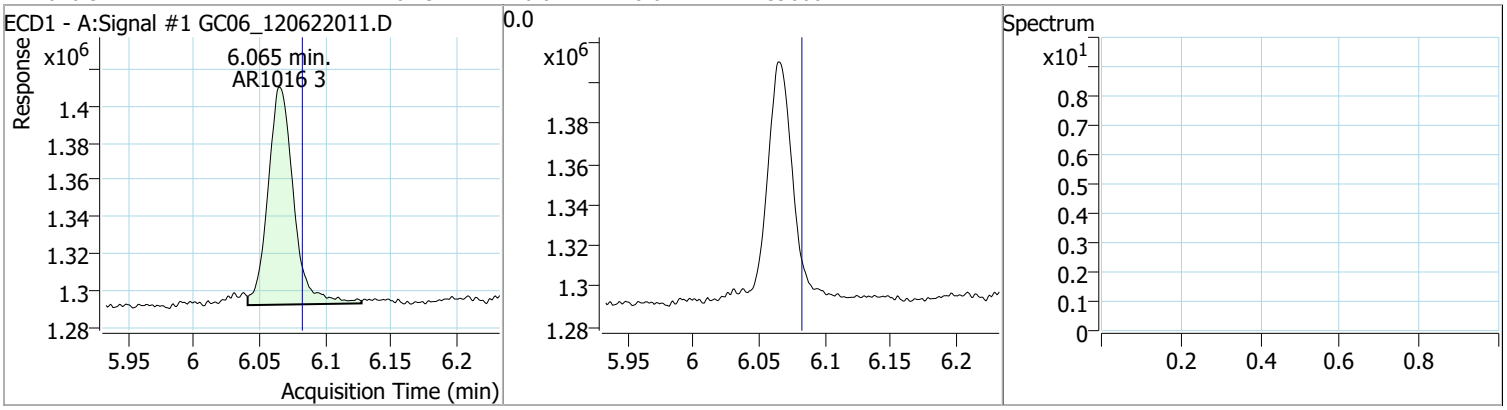
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.62	-0.01	24420				



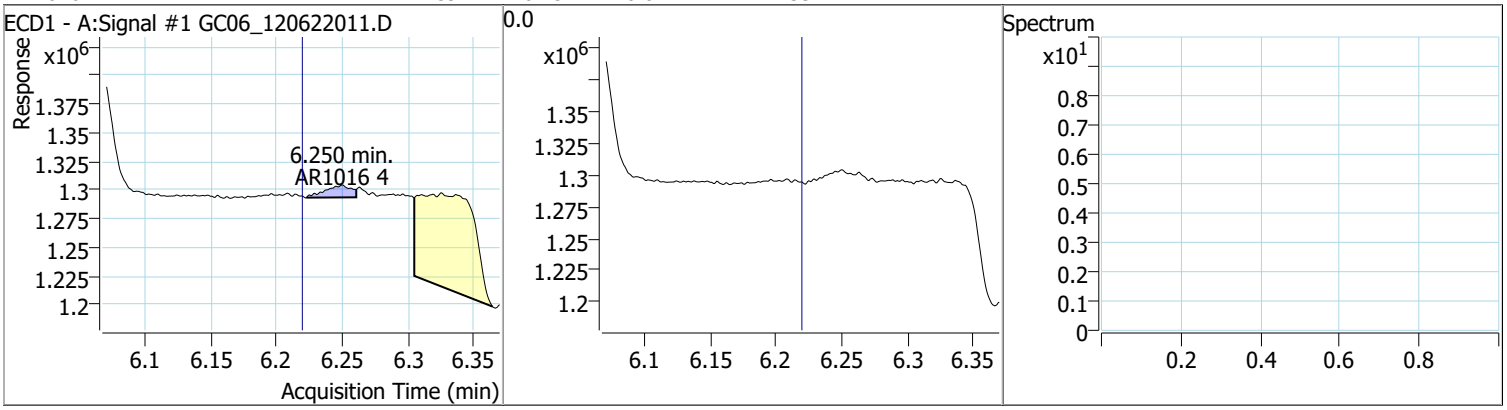
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	52.7982	5.85	0.01	230488				



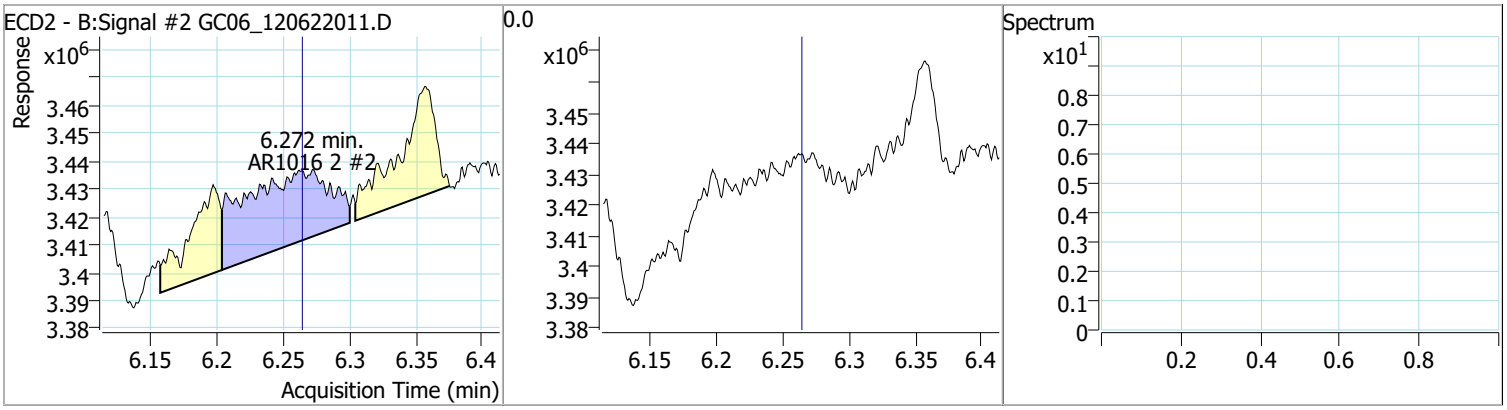
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	61.3714	6.07	-0.02	159660				



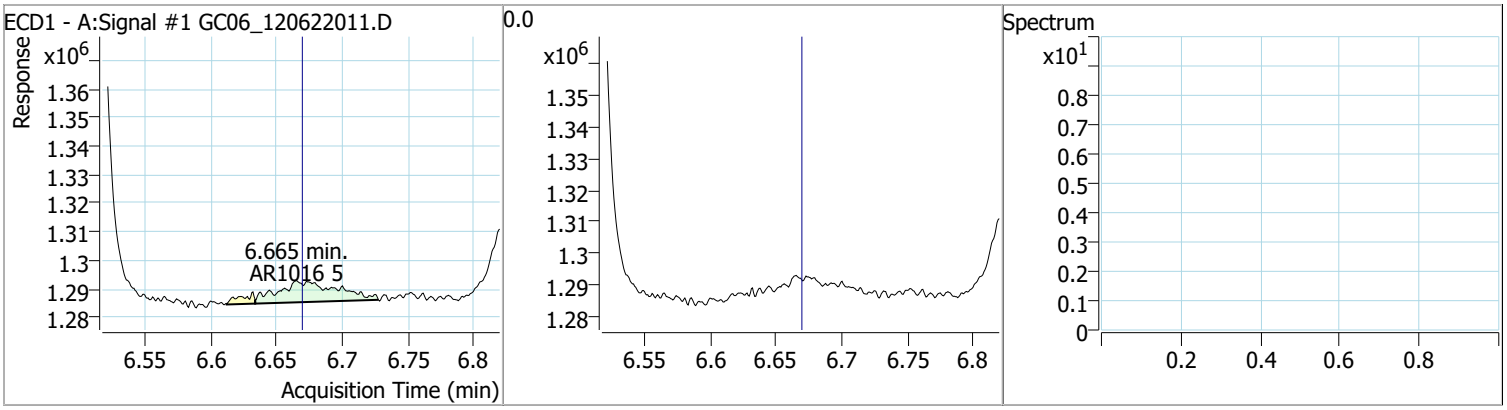
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.4459	6.25	0.02	14733				



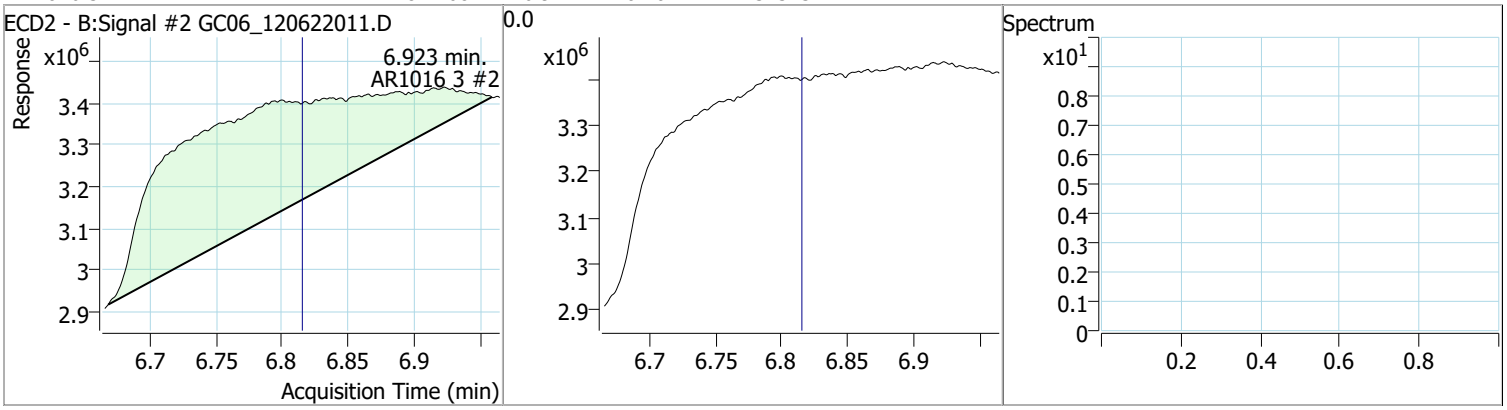
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	19.2086	6.27	0.00	121048				



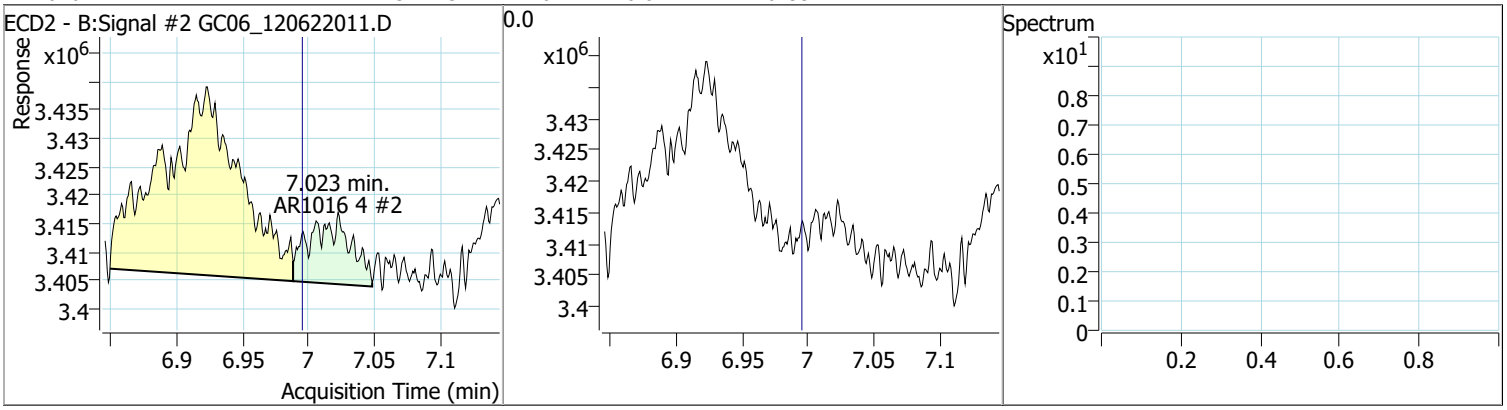
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	14.5273	6.67	-0.01	23152				



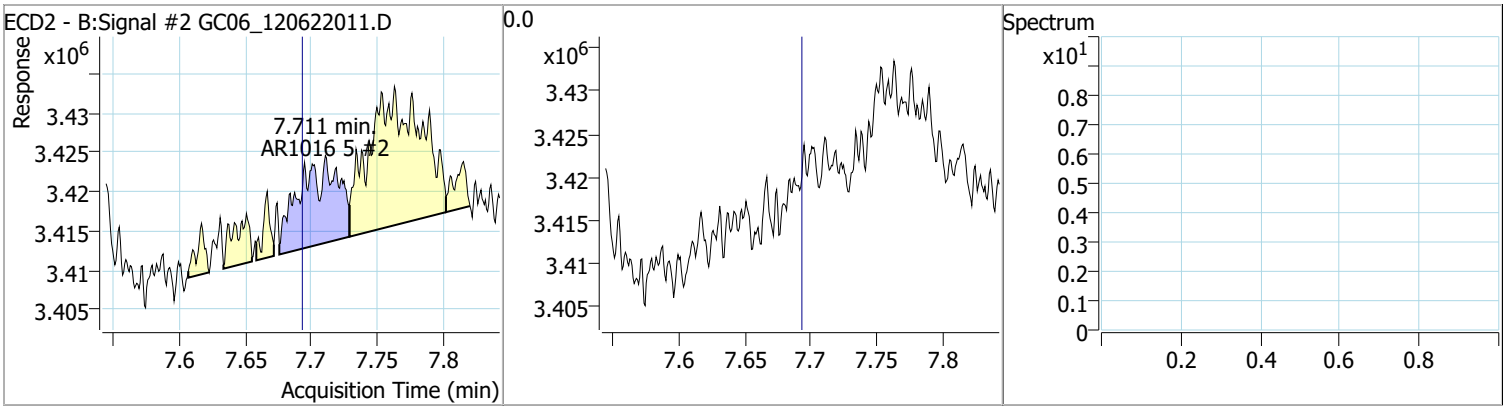
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	282.4681	6.92	0.10	3234342				



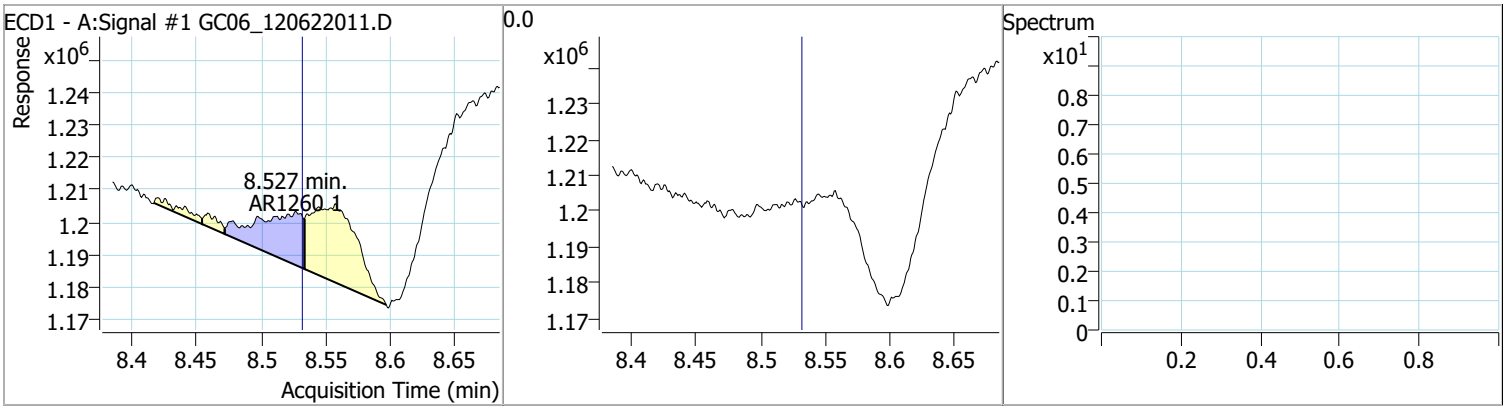
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.2173	7.02	0.02	26299				



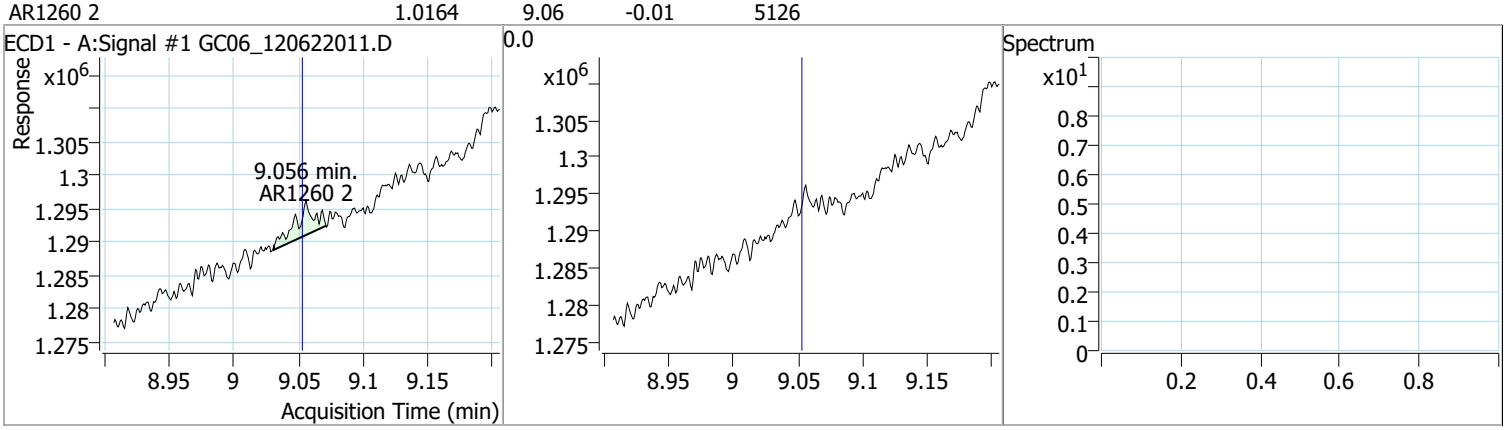
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	3.4618	7.71	0.01	23002				



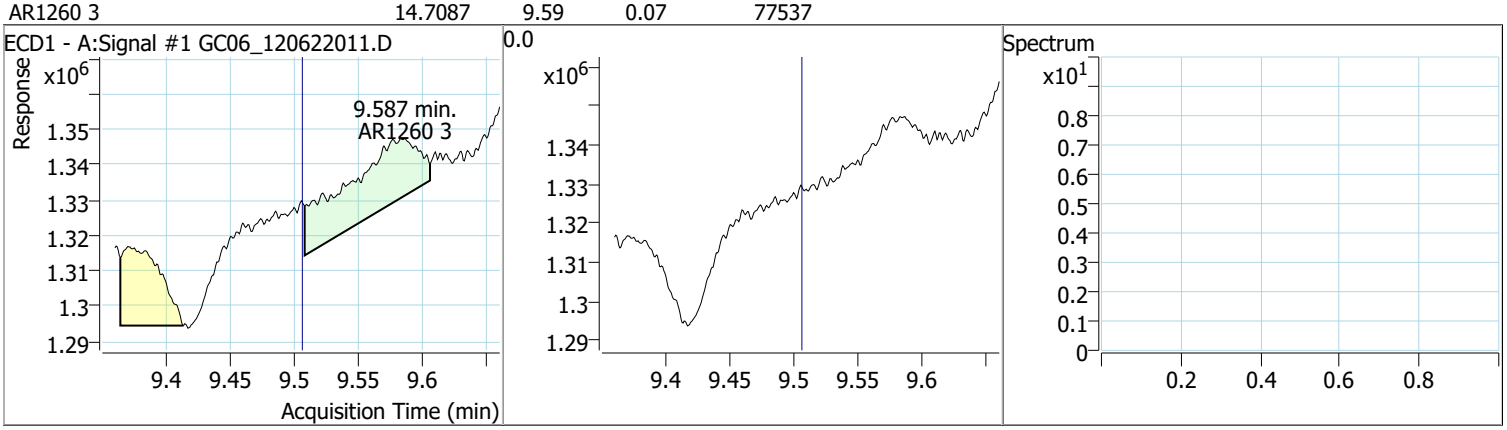
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	10.7977	8.53	-0.01	35729				



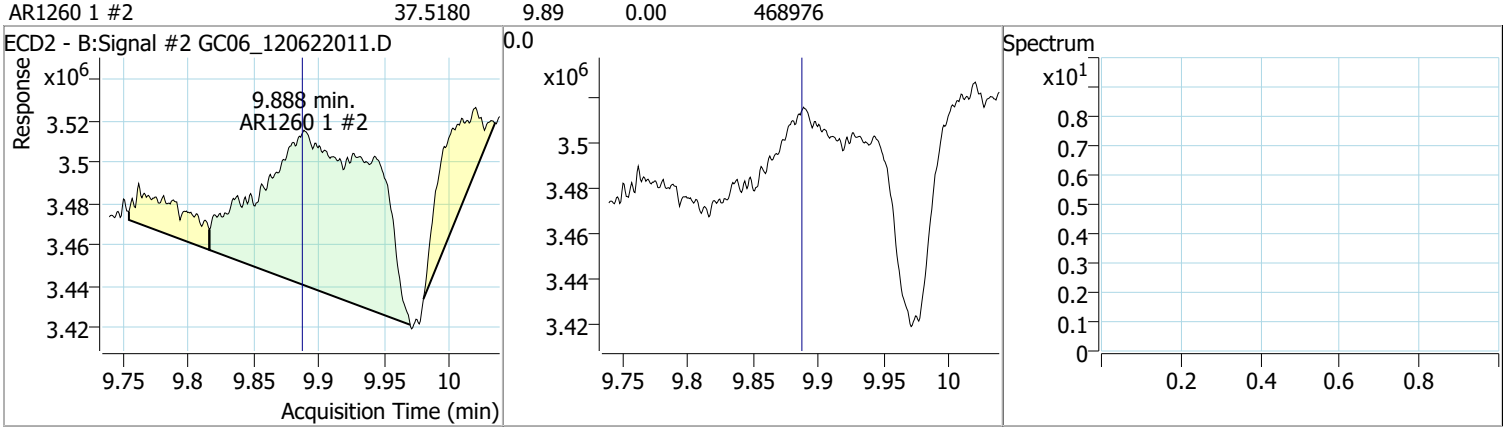
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.0164	9.06	-0.01	5126				



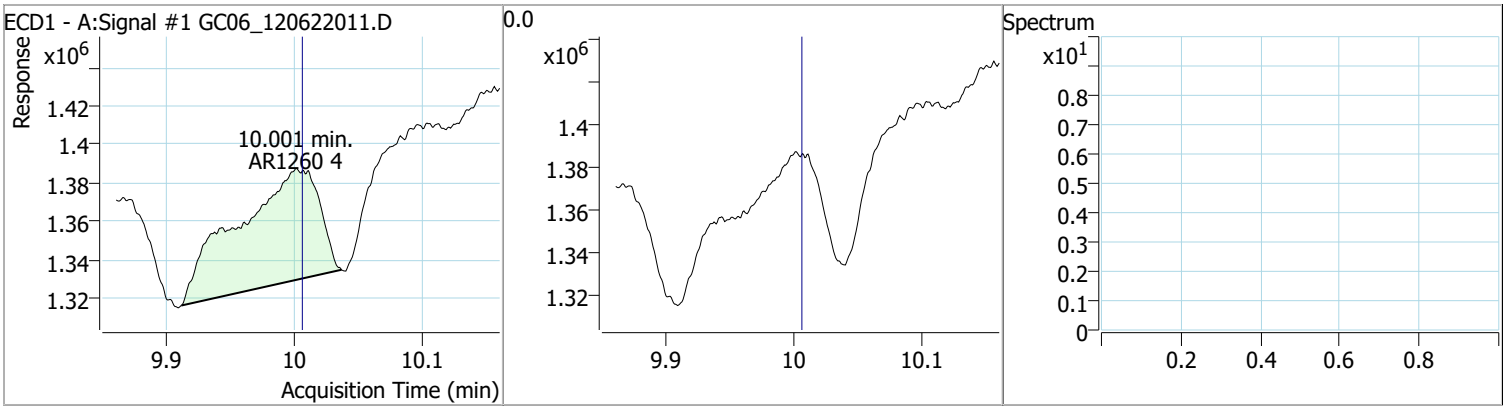
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	14.7087	9.59	0.07	77537				



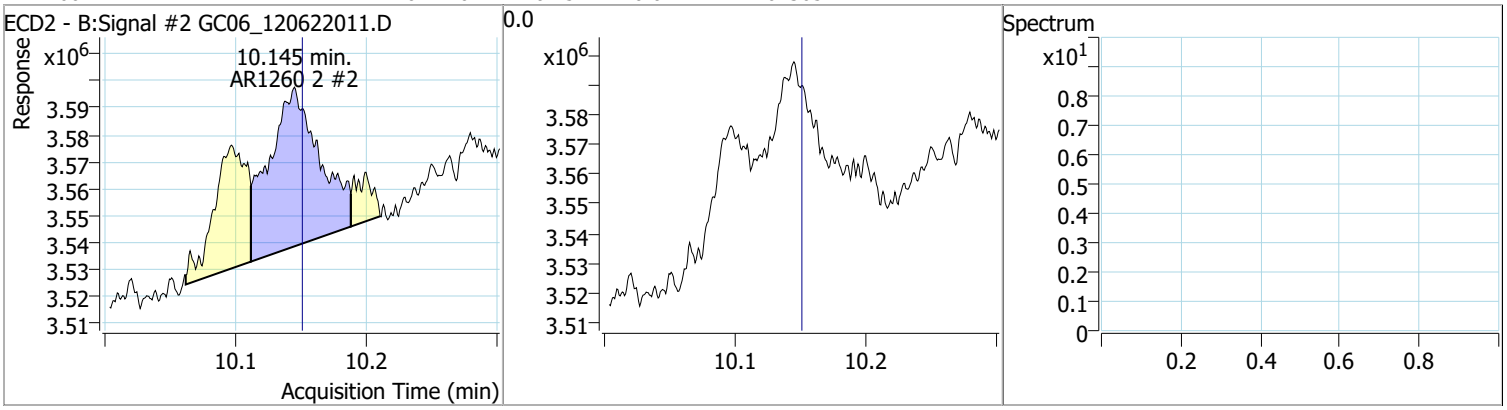
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	37.5180	9.89	0.00	468976				



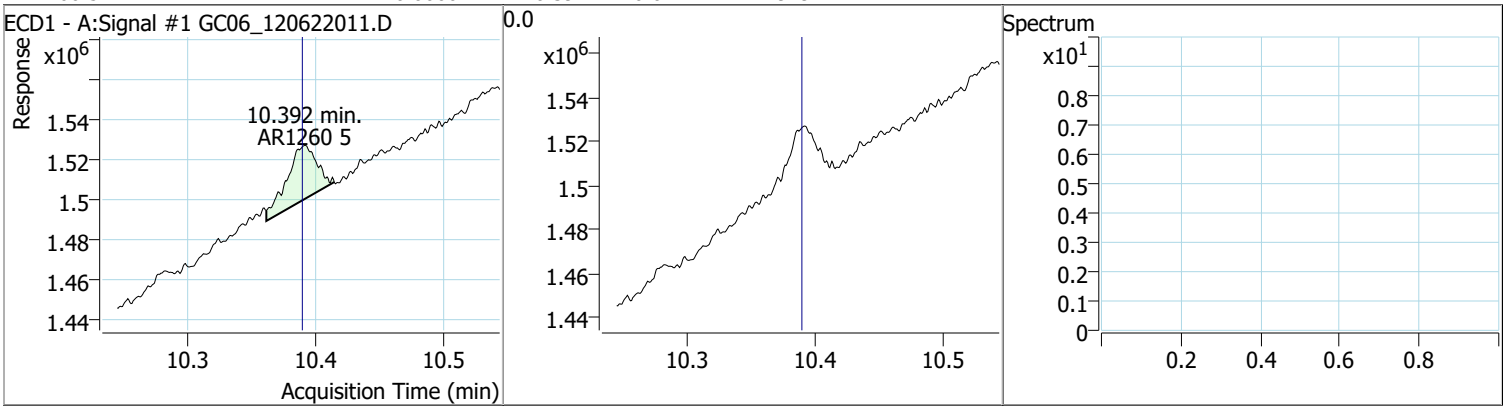
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	78.5139	10.00	-0.01	261594				



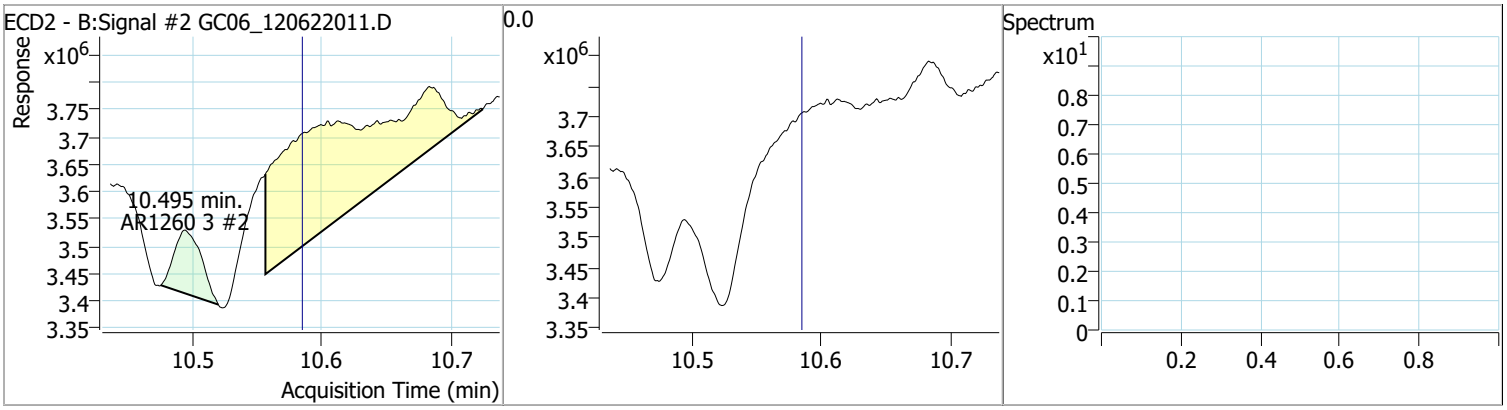
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	10.7440	10.15	-0.01	161365				



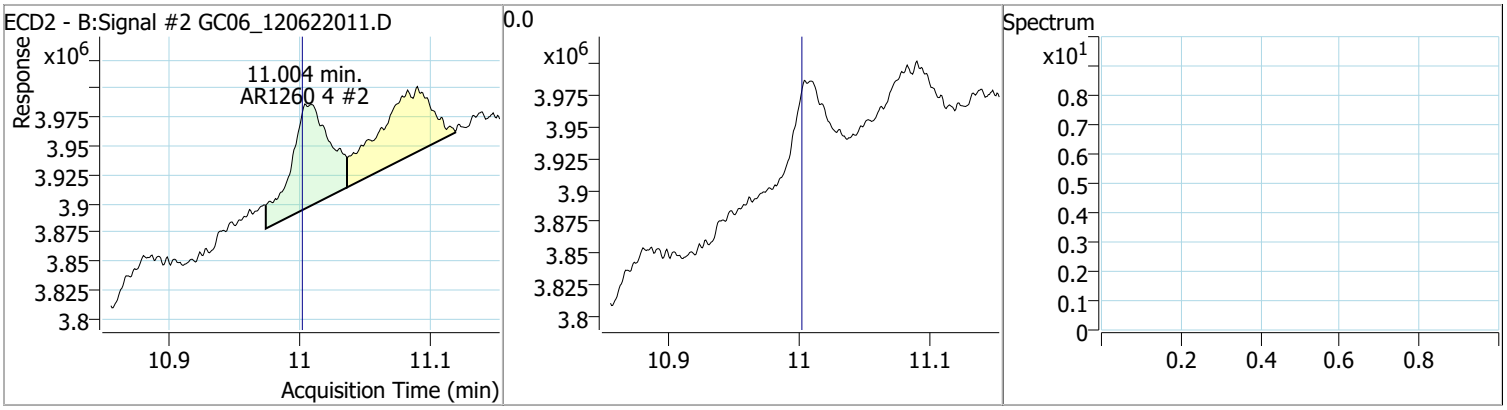
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.39	-0.01	44929				



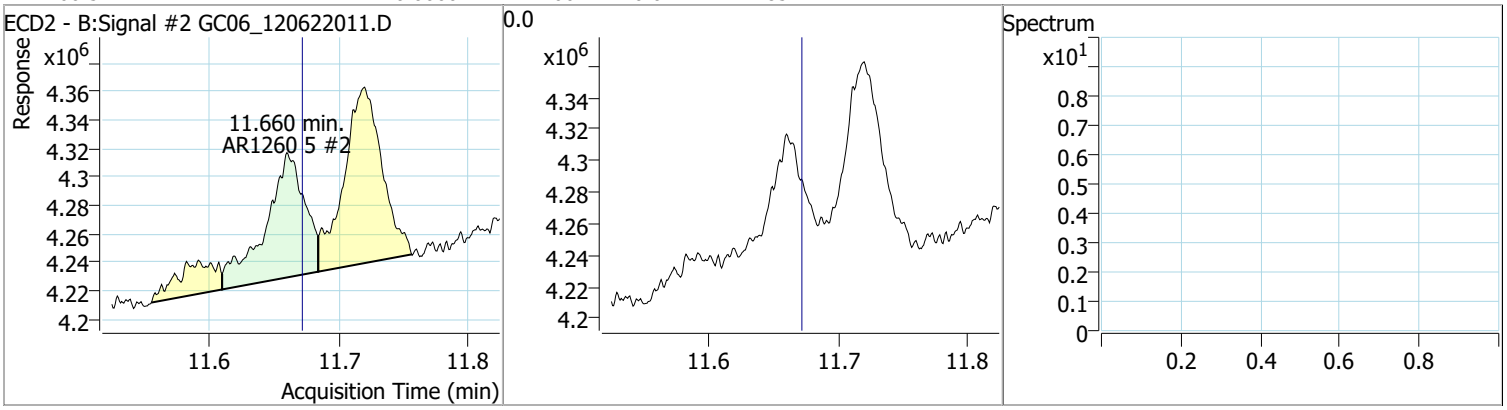
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AR1260 3 #2	8.8886	10.50	-0.10	168979				



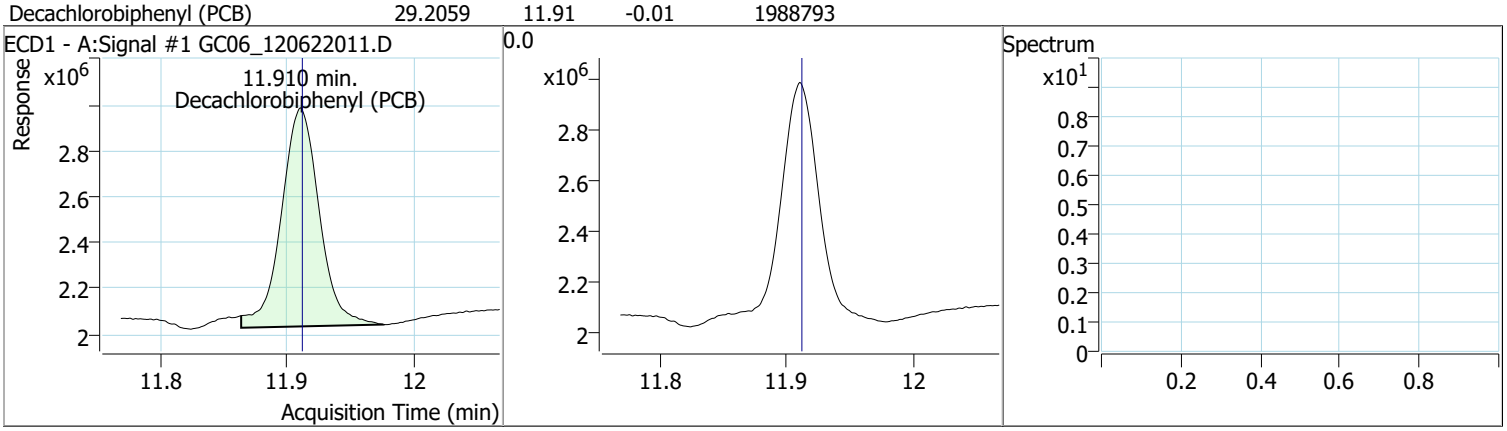
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AR1260 4 #2	0.0000	11.00	0.00	186228				



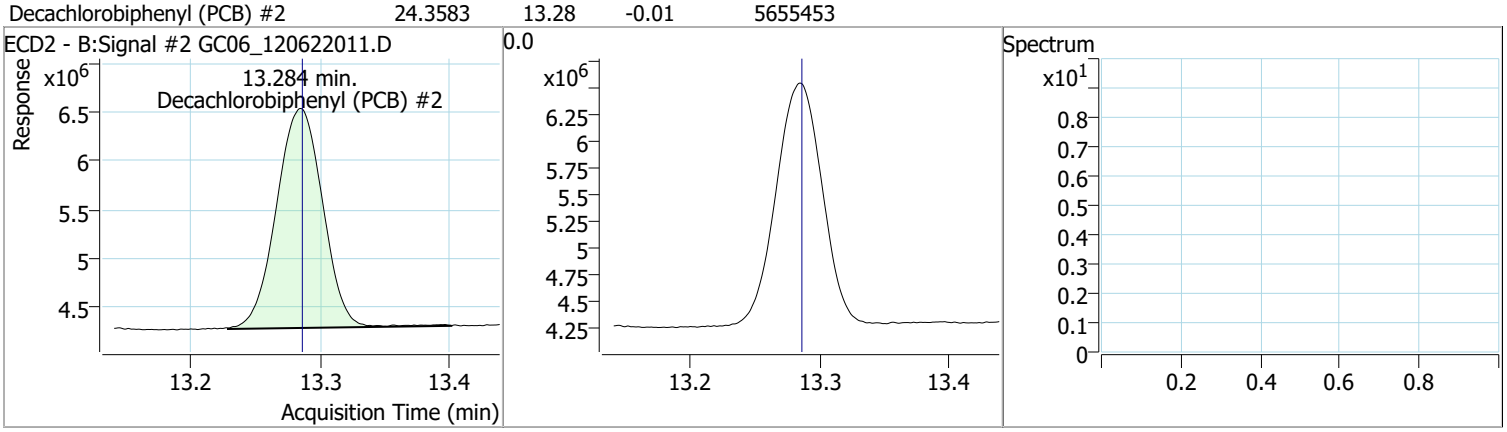
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.0000	11.66	-0.02	185742				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	29.2059	11.91	-0.01	1988793				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	24.3583	13.28	-0.01	5655453				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	473364-002	Client ID:	AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-P-DUP-LA
Seqnum:	452490110012.3	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_120622012	Batch:	302486	Time:	06-DEC-2022 11:56
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	452428510002	63.66	~~0.64~~ ~~FP~~	0.78	20%	0.50		x u
Aroclor-1016 Peak # 1	B	452428510002	43.31	0.43	0.55	24%			
Aroclor-1016 Peak # 2	B	452428510002	40.75	0.41	ND	262%			
Aroclor-1016 Peak # 3	B	452428510002	208.6	2.09	0.39	138%			
Aroclor-1016 Peak # 4	B	452428510002	24.59	0.25	2.91	169%			
Aroclor-1016 Peak # 5	B	452428510002	1.044	0.01	0.11	164%			
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	452428510002	7.066	ND	0.24	109%	0.50		u
Aroclor-1260 Peak # 1	B	452428510002	37.23	0.37	0.43	13%			
Aroclor-1260 Peak # 2	B	452428510002	10.35	0.10	0.01	166%			
Aroclor-1260 Peak # 3	B	452428510002	7.408	0.07	0.15	68%			
Aroclor-1260 Peak # 4	B	452428510002	-10.49	ND	0.73	267%			
Aroclor-1260 Peak # 5	B	452428510002	-9.166	ND	ND	-20%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B	452490110001	9.160	ND	ND	123%	0.50		?v u
Aroclor-1268 Peak # 1	B	452490110001	18.35	0.18	0.13	32%			
Aroclor-1268 Peak # 2	B	452490110001	15.46	0.15	1.19	154%			
Aroclor-1268 Peak # 3	B	452490110001	5.590	0.06	0.28	133%			
Aroclor-1268 Peak # 4	B	452490110001	3.927	0.04	0.19	130%			
Aroclor-1268 Peak # 5	B	452490110001	2.477	0.02	0.13	138%			

Surrogate	Ch	Cal	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	452428510002	28.92	0.5000	0.2892	58	19-121	u
Decachlorobiphenyl (PCB)	B	452428510002	24.92	0.5000	0.2492	50	19-121	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_120622001)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4549134	5344930	17.49
1-bromo-2-nitrobenzene (PCB)	A	1091103	1307017	19.79

ISTD (ICAL gc06_120622005)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	4929107	5345373	8.45
1-bromo-2-nitrobenzene (1268)	A	1140077	1301624	14.17

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_120622001)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.17	4.17	0.00

ISTD (ICAL gc06_120622005)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (1268)	A	4.17	4.17	0.00

TJW 12/06/22 : Sample extracted out of HT

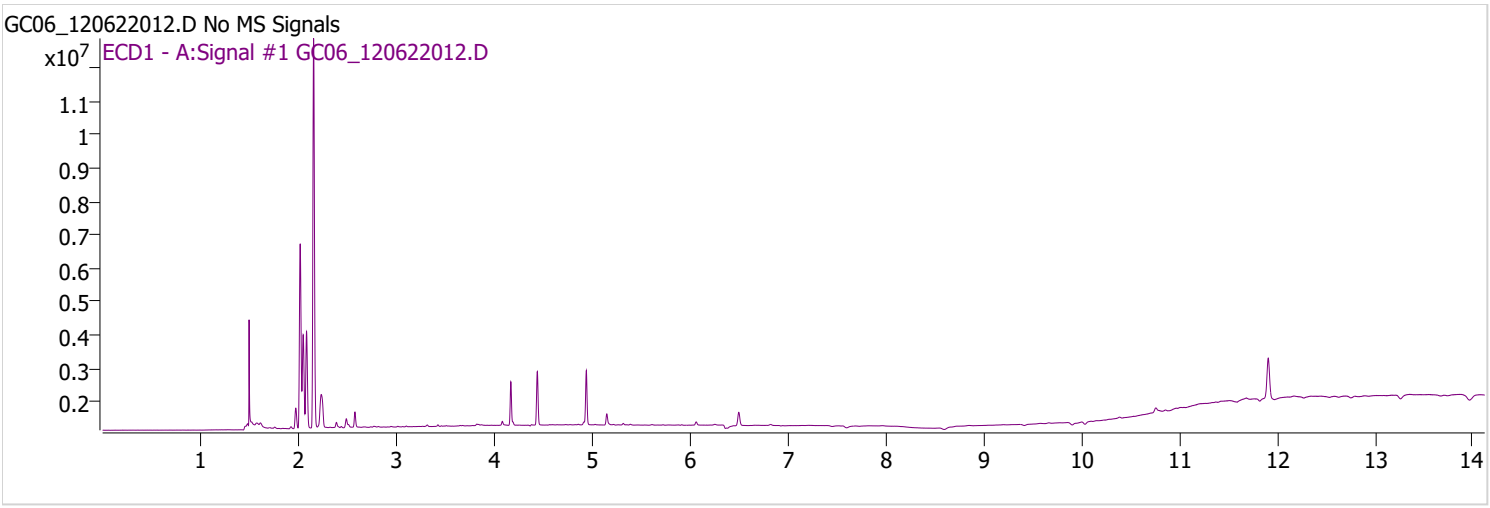
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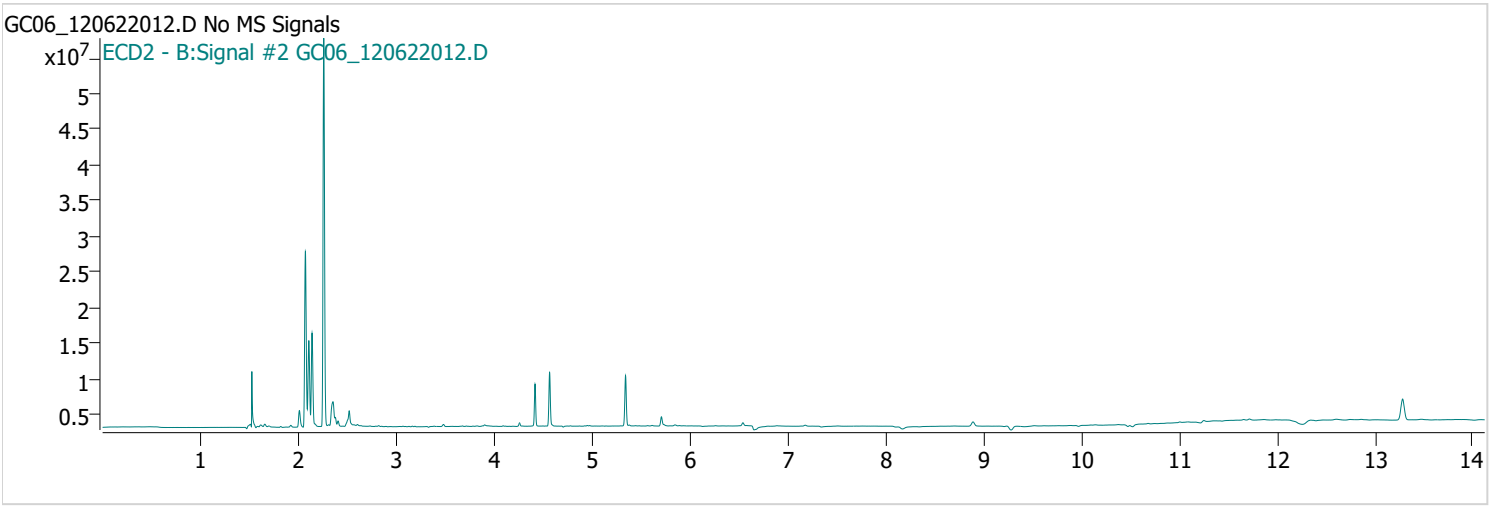
Analyst: TJW 12/06/22 *

Reviewer: LW 12/08/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC06_120622012.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 11:56:12 AM
Sample Name	473364-002, 302486, 1	Instrument	SVOA-GC06
Vial	7	Multiplier	1.00
DA Method File	PCB_AR1268_120622_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_AR1268.batch.bin	Last Calib Update	12/6/2022 3:56:13 PM
Ref Library			



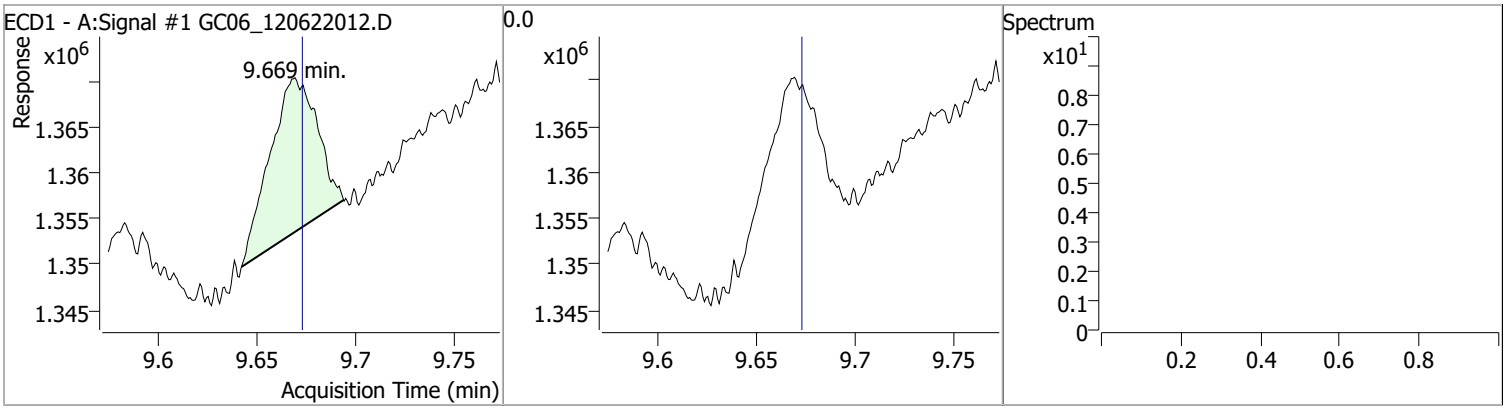


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.172	0.0	1301623.940	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (1268) #2	4.419	0.0	5345372.997	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	9.669	0.0	28176.961	13.3254	ng/ml	100
T AR1268 2	10.008	0.0	328620.666	119.4472	ng/ml	100
T Aroclor-1268	10.635	0.0	241603.265	22.6481	ng/ml	
T AR1268 1 #2	10.683	0.0	118566.685	18.3466	ng/ml	100
T AR1268 3	10.763	0.0	299868.999	27.9061	ng/ml	100
T AR1268 4	11.047	0.0	157482.301	18.5299	ng/ml	100
T AR1268 2 #2	11.008	0.0	122509.296	15.4573	ng/ml	100
T AR1268 3 #2	11.661	0.0	174741.060	5.5900	ng/ml	100
T AR1268 5	11.686	0.0	393867.399	13.4755	ng/ml	100
T Aroclor-1268 #2	11.656	0.0	145597.315	4.6420	ng/ml	
T AR1268 4 #2	12.068	0.0	99642.366	3.9269	ng/ml	100

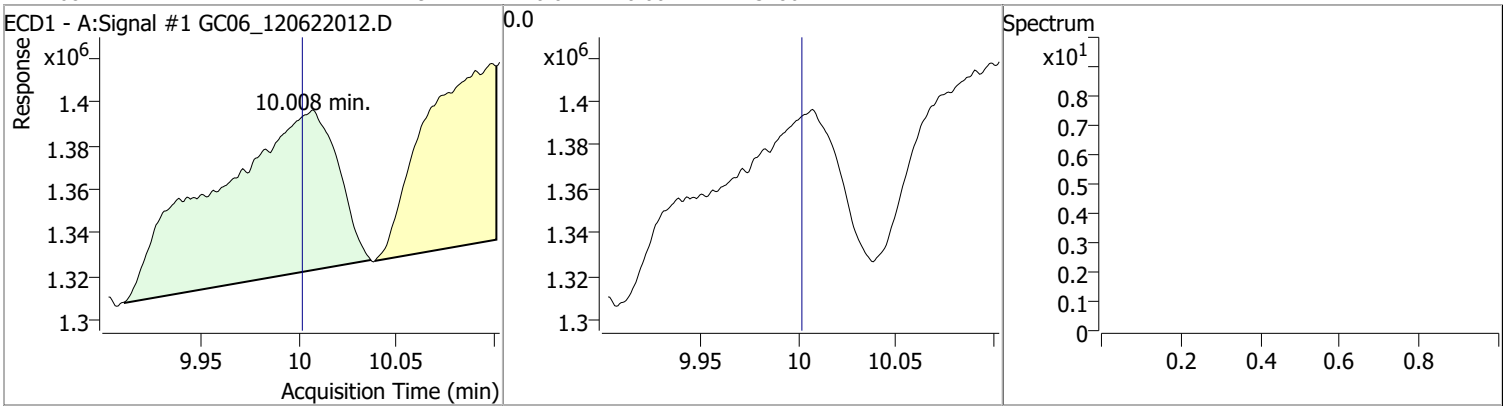
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 5 #2	12.862	0.0	212527.169	2.4769	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

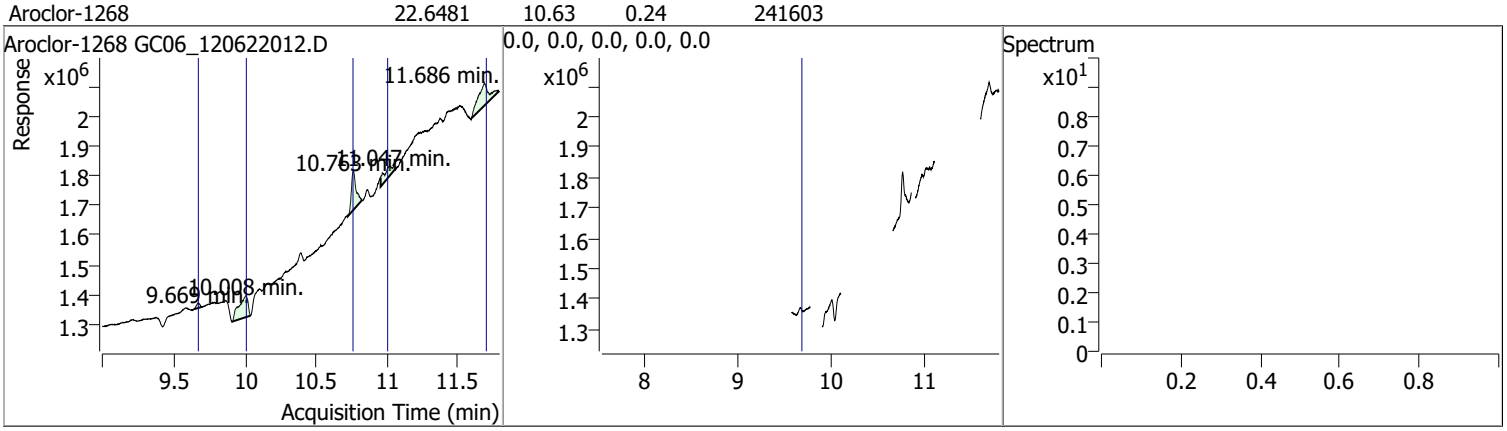
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	13.3254	9.67	-0.01	28177				



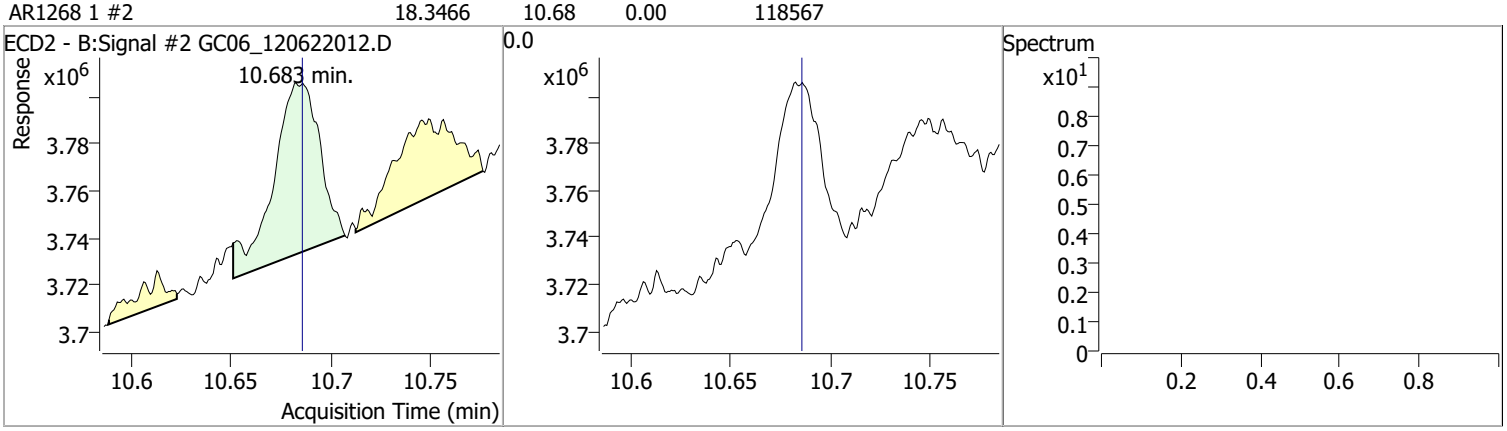
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	119.4472	10.01	0.00	328621				



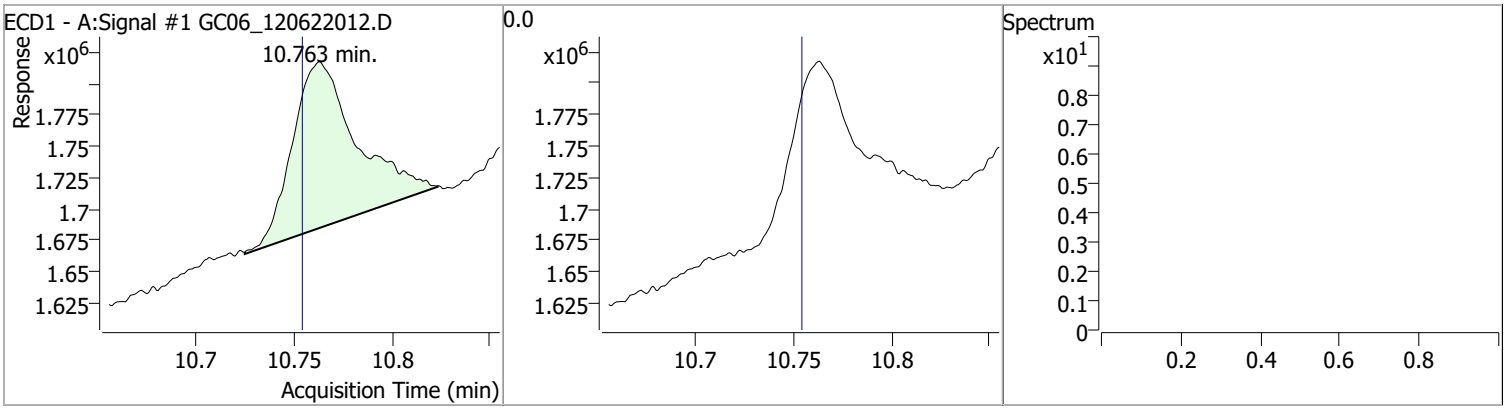
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	22.6481	10.63	0.24	241603				



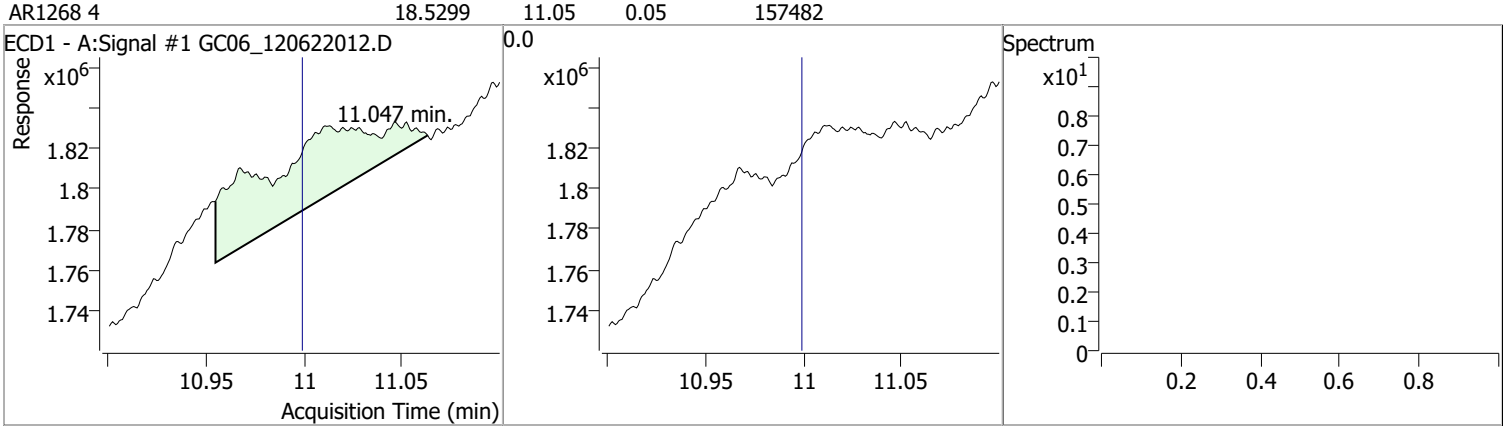
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	18.3466	10.68	0.00	118567				



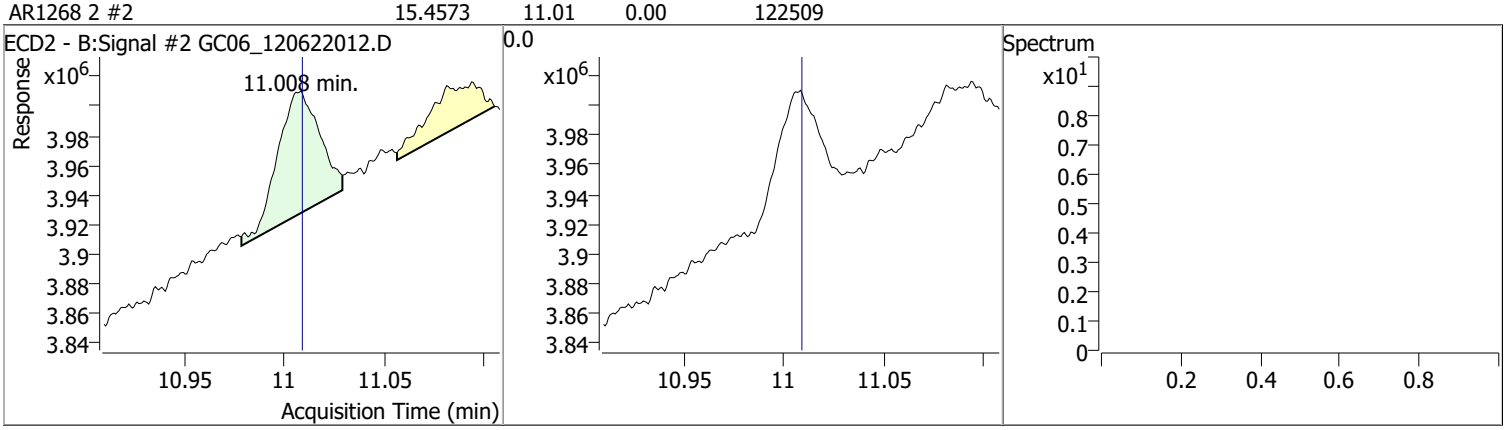
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	27.9061	10.76	0.01	299869				



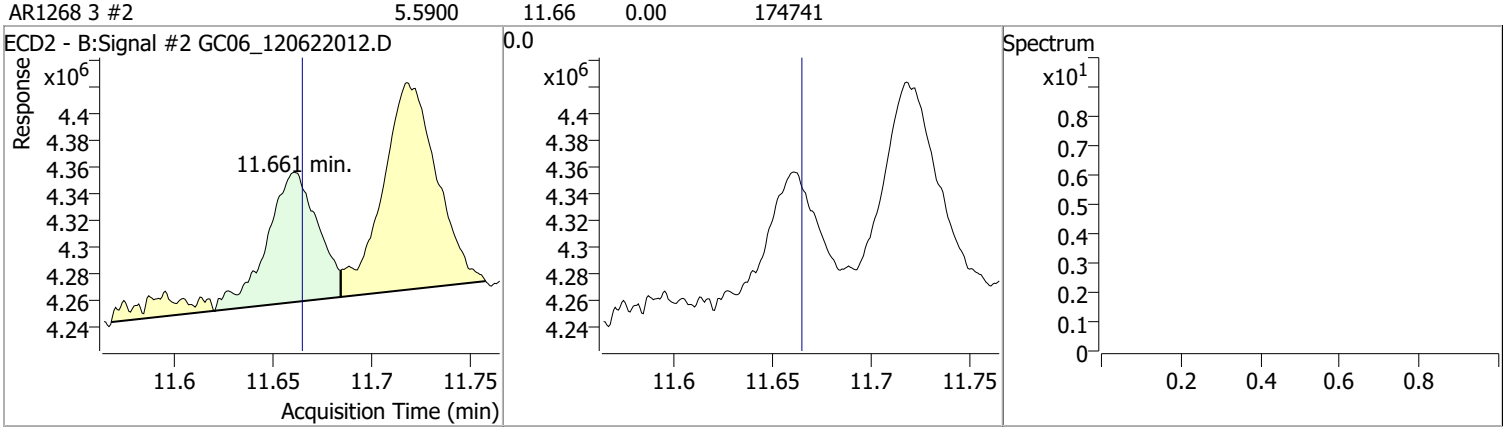
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	18.5299	11.05	0.05	157482				



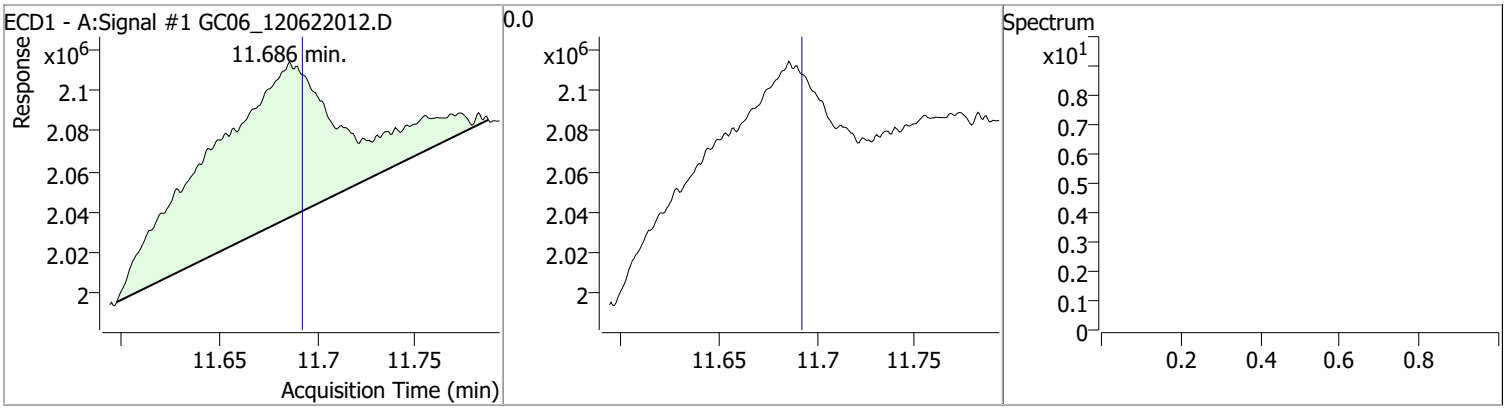
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	15.4573	11.01	0.00	122509				



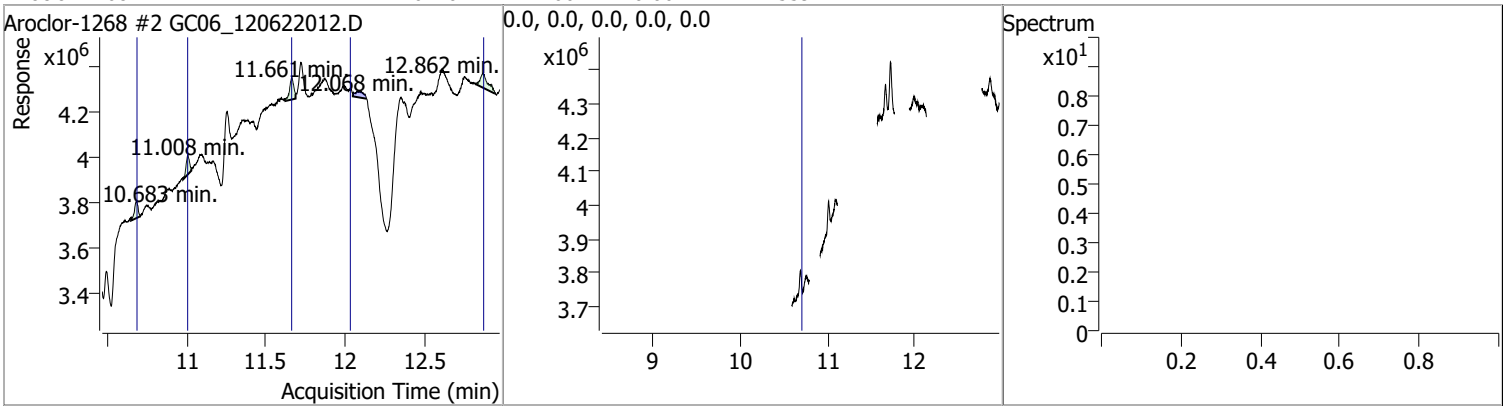
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	5.5900	11.66	0.00	174741				



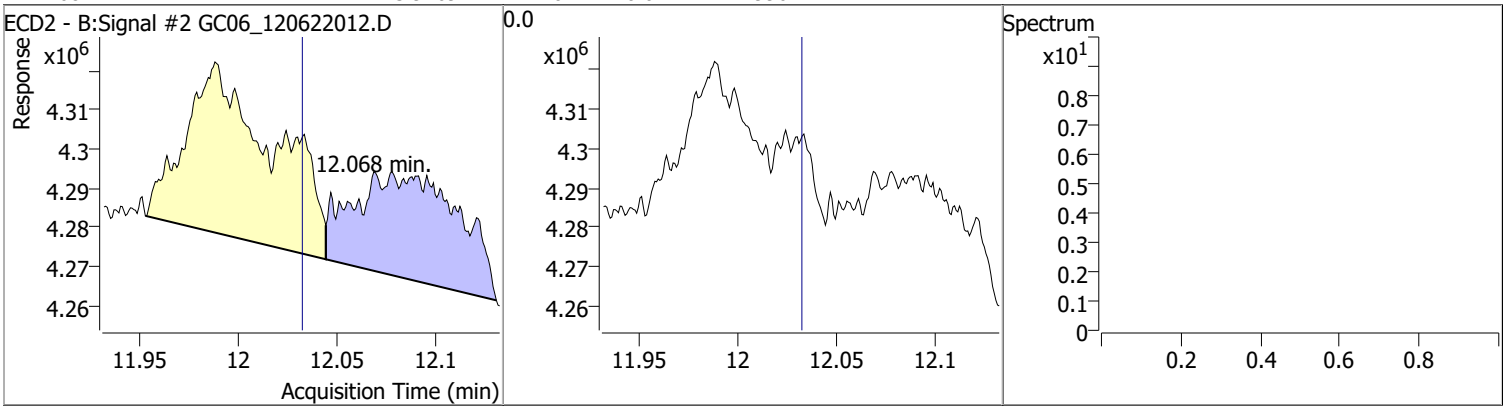
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	13.4755	11.69	-0.01	393867				



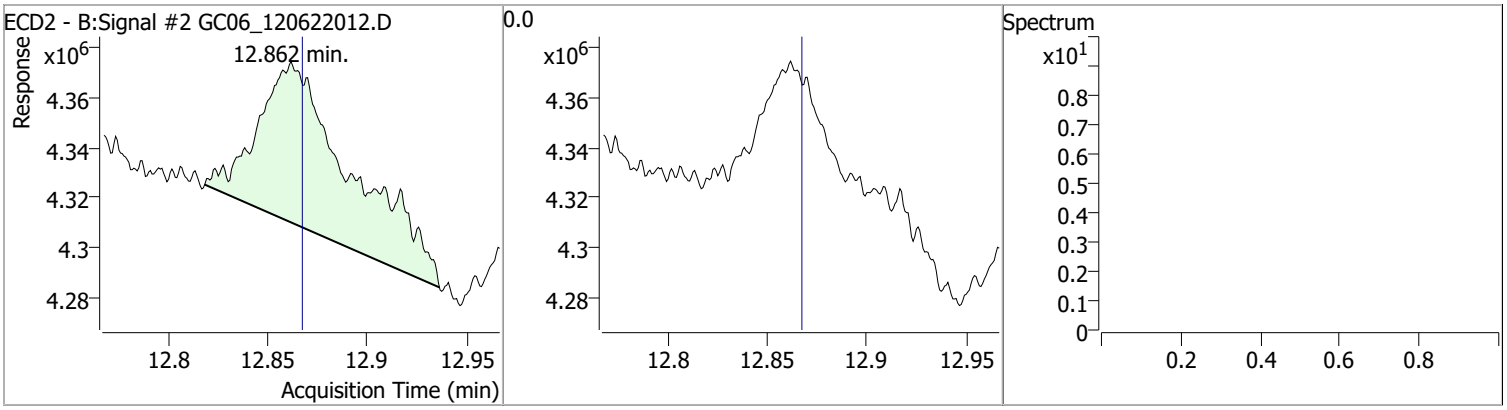
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	4.6420	11.66	-0.06	145597				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	3.9269	12.07	0.04	99642				

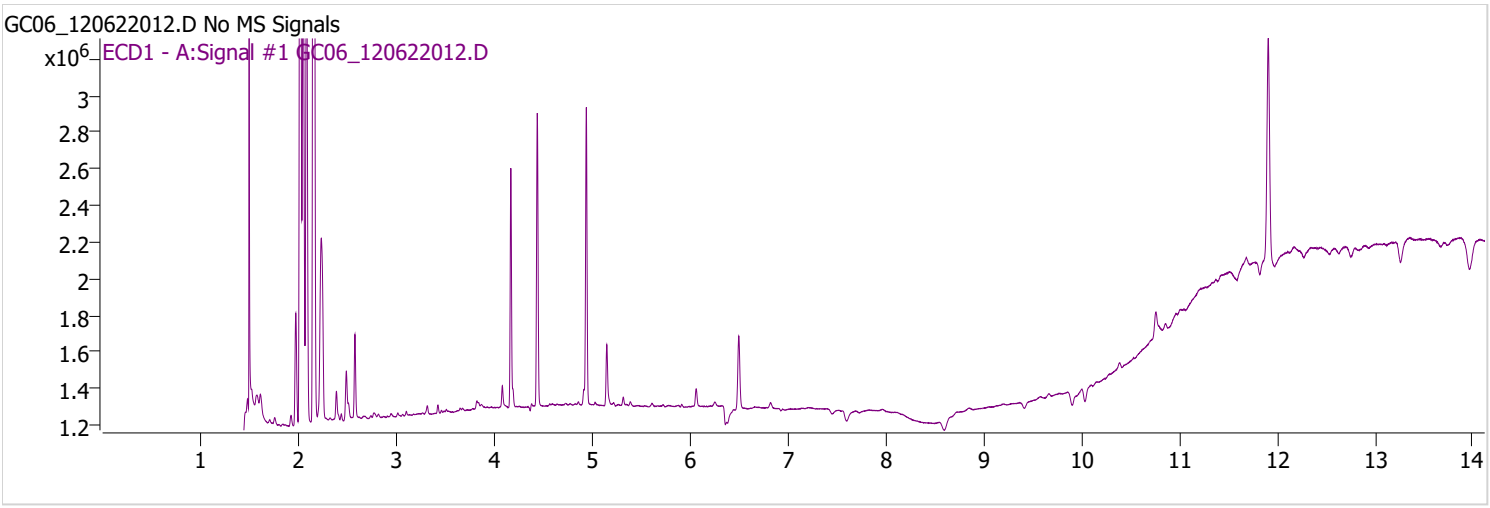


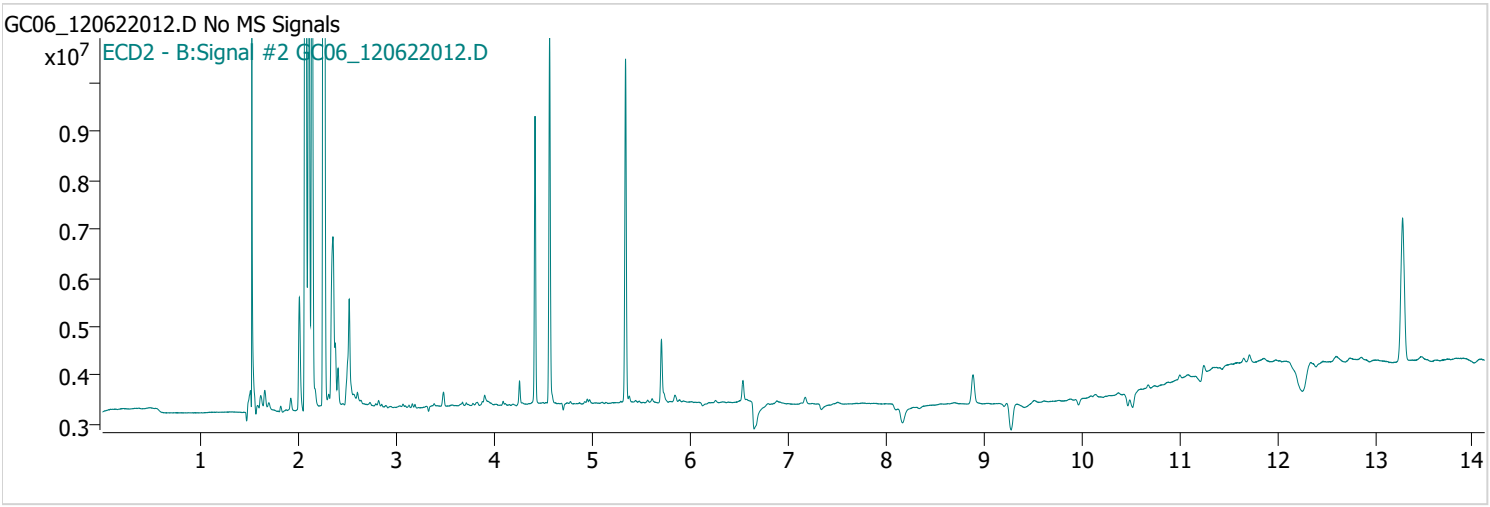
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	2.4769	12.86	-0.01	212527				



Quantitation Results Report (Not Reviewed)

Data File	GC06_120622012.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 11:56:12 AM
Sample Name	473364-002, 302486, 1	Instrument	SVOA-GC06
Vial	7	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_9.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
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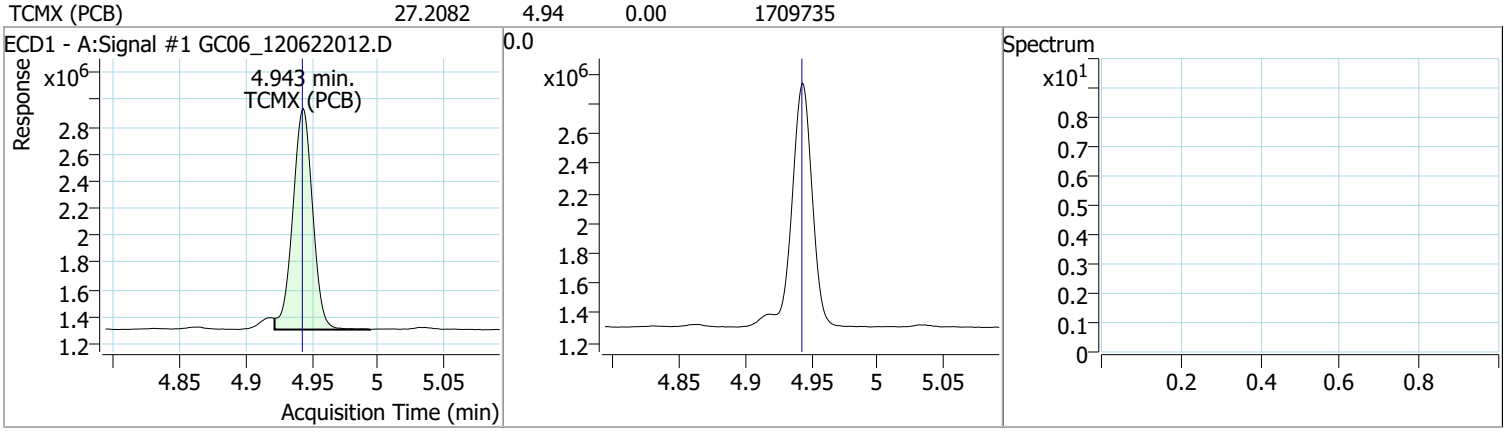


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.172	0.0	1307016.690	20.0000	ng/ml	-0.004
M 1-bromo-2-nitrobenzene (PCB) #2	4.419	0.0	5344929.778	20.0000	ng/ml	-0.003
System Monitoring Compounds						
S TCMX (PCB)	4.943	0.0	1709735.445	27.2082	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 136.04%		
S TCMX (PCB) #2	5.344	0.0	7422475.140	28.9164	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 144.58%		
S Decachlorobiphenyl (PCB)	11.911	0.0	2566825.330	28.0803	ng/ml	-0.012
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 140.40%		
S Decachlorobiphenyl (PCB) #2	13.284	0.0	7350592.888	24.9246	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 124.62%		
Target Compounds						QValue

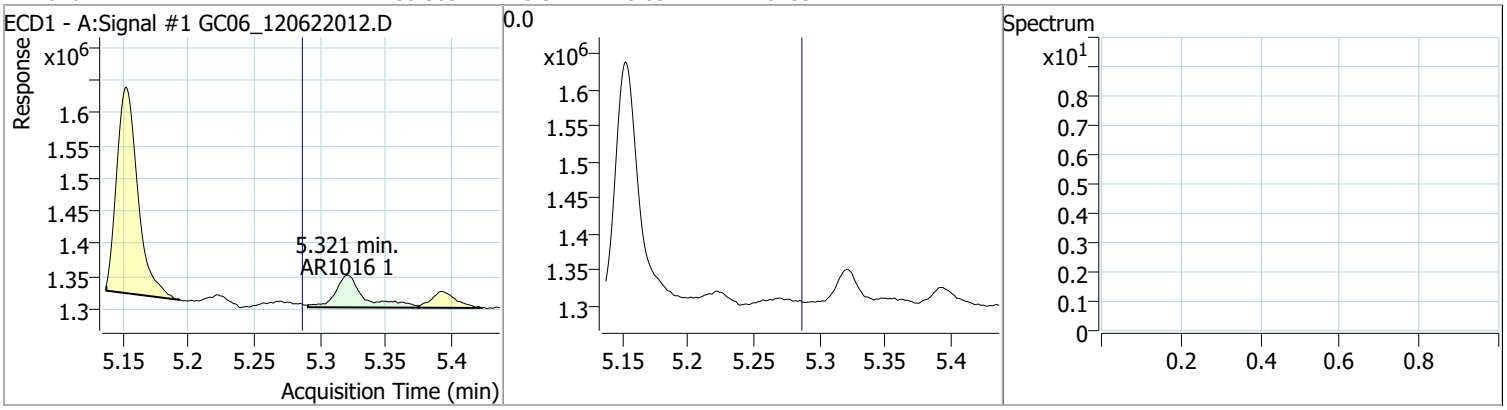
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.321	0.0	75783.007	55.3034	ng/ml	100
T AR1016 2	5.614	0.0	26959.639	0.0000	ng/ml	100
T AR1016 1 #2	5.850	0.0	240570.649	43.3063	ng/ml	100
T AR1016 3	6.066	0.0	133972.426	38.5610	ng/ml	100
T AR1016 4	6.257	0.0	770257.956	291.4974	ng/ml	100
T AR1016 2 #2	6.265	0.0	326814.096	40.7548	ng/ml	100
T AR1016 5	6.663	0.0	22370.438	10.5107	ng/ml	100
T AR1016 3 #2	6.889	0.0	3039249.486	208.5869	ng/ml	100
T AR1016 4 #2	6.889	0.0	255796.360	24.5908	ng/ml	100
T AR1016 5 #2	7.692	0.0	8830.645	1.0444	ng/ml	100
T AR1260 1	8.551	0.0	188045.952	42.5535	ng/ml	100
T AR1260 2	9.061	0.0	6398.935	0.9500	ng/ml	100
T AR1260 3	9.583	0.0	105599.264	14.9999	ng/ml	100
T AR1260 1 #2	9.893	0.0	592144.358	37.2267	ng/ml	100
T AR1260 4	10.008	0.0	327680.167	72.6850	ng/ml	100
T AR1260 2 #2	10.141	0.0	197798.094	10.3494	ng/ml	100
T AR1260 5	10.394	0.0	54374.842	0.0000	ng/ml	100
T AR1260 3 #2	10.496	0.0	179212.961	7.4081	ng/ml	100
T AR1260 4 #2	11.008	0.0	174831.559	0.0000	ng/ml	100
T AR1260 5 #2	11.661	0.0	190959.213	0.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

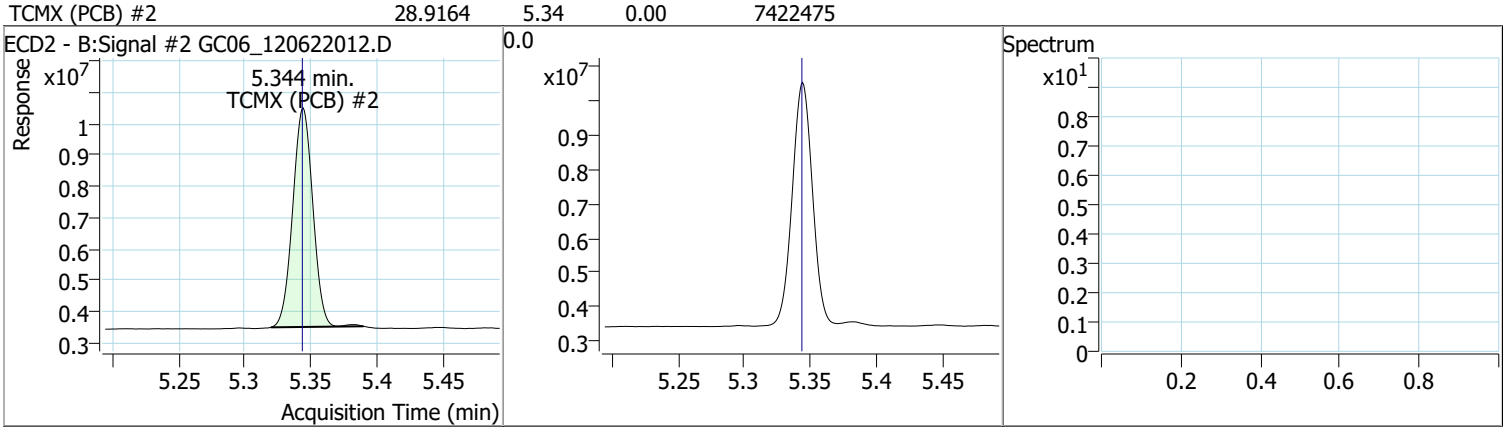
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	27.2082	4.94	0.00	1709735				



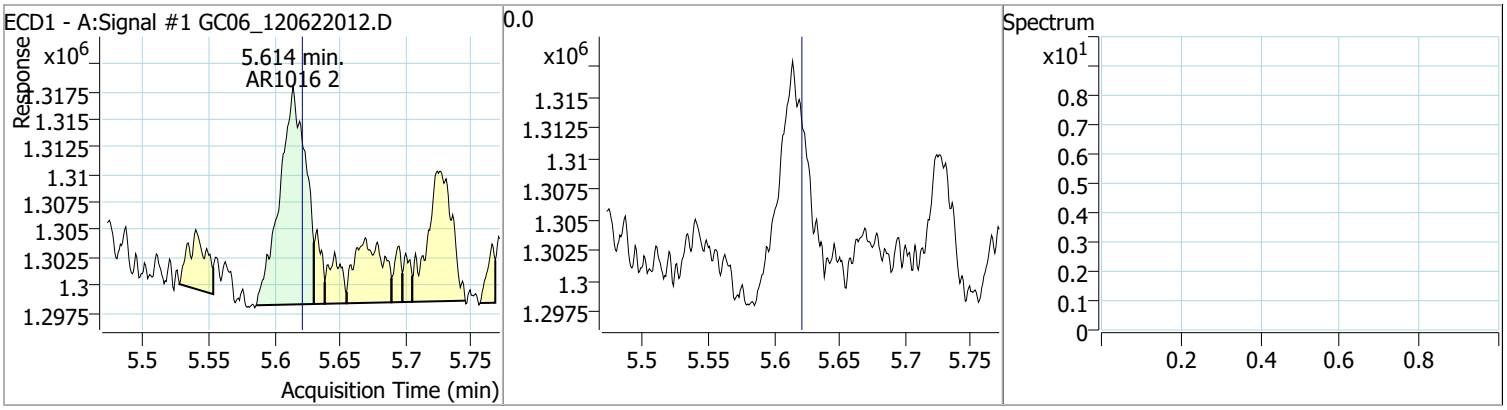
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	55.3034	5.32	0.03	75783				



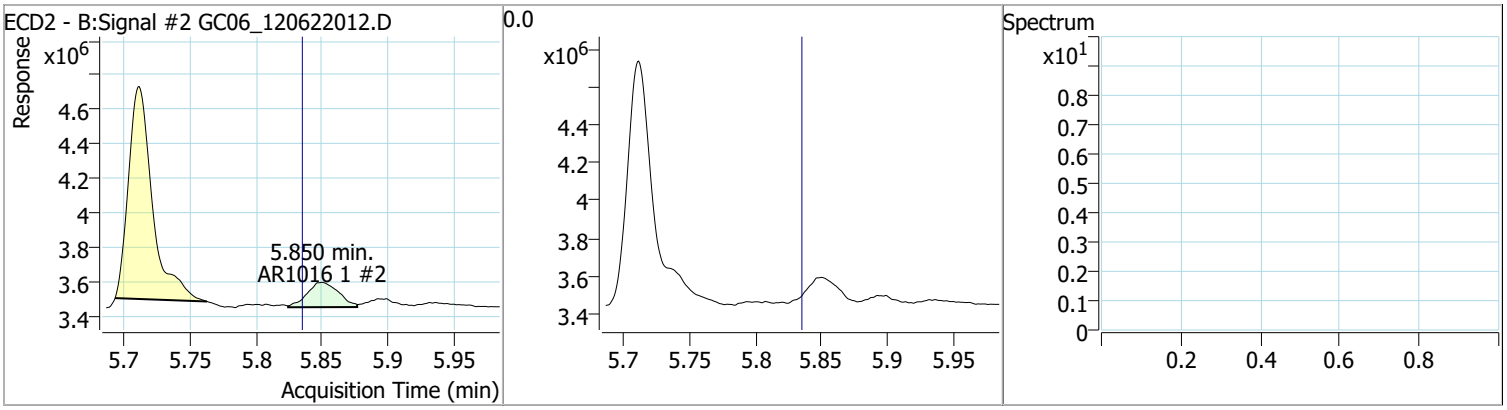
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	28.9164	5.34	0.00	7422475				



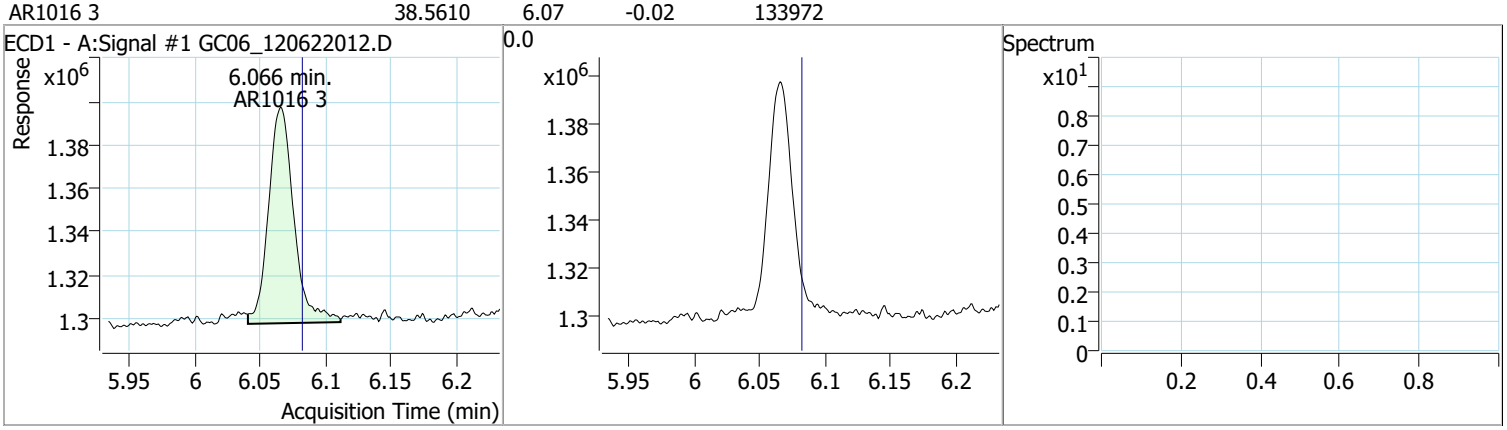
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.61	-0.01	26960				



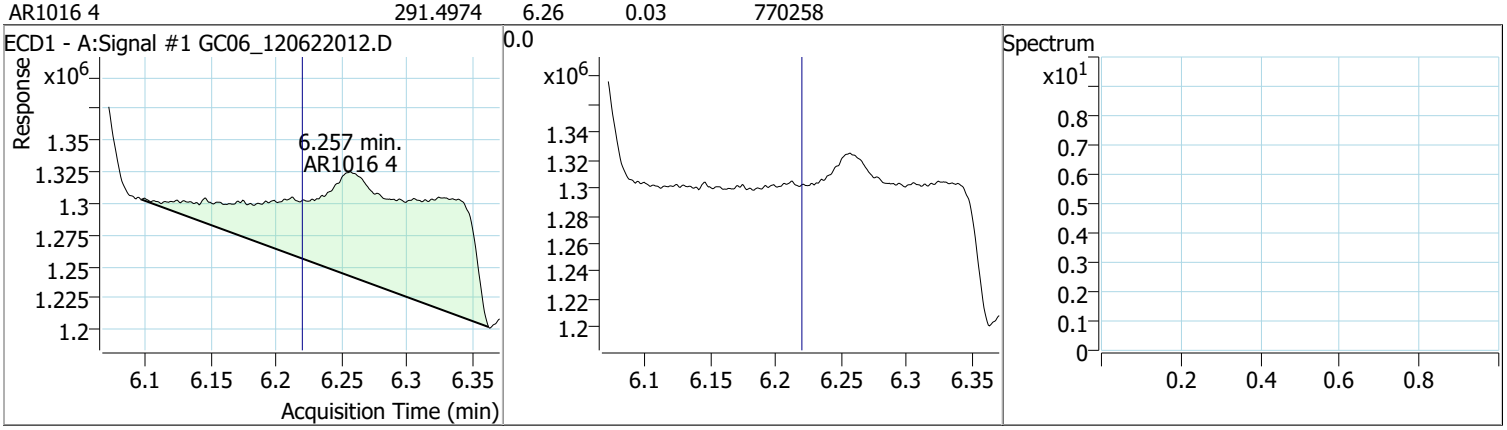
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AR1016 1 #2	43.3063	5.85	0.01	240571				



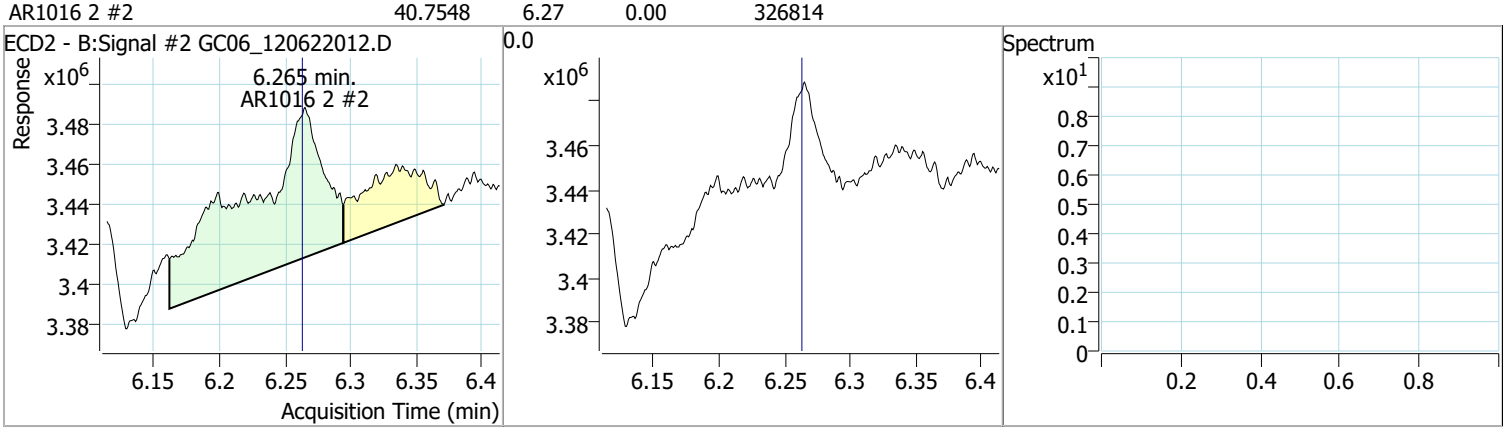
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	38.5610	6.07	-0.02	133972				



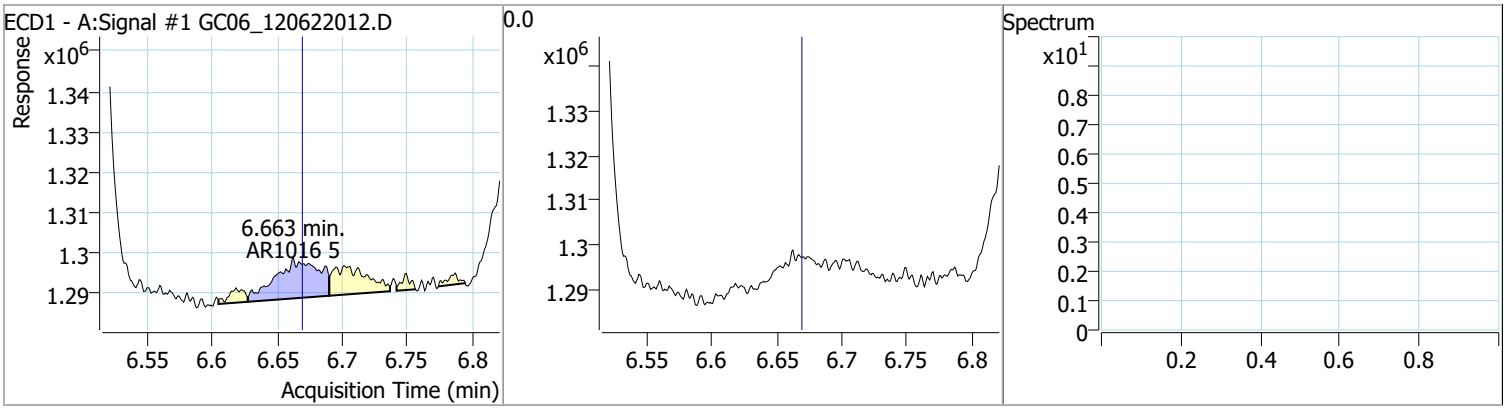
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	291.4974	6.26	0.03	770258				



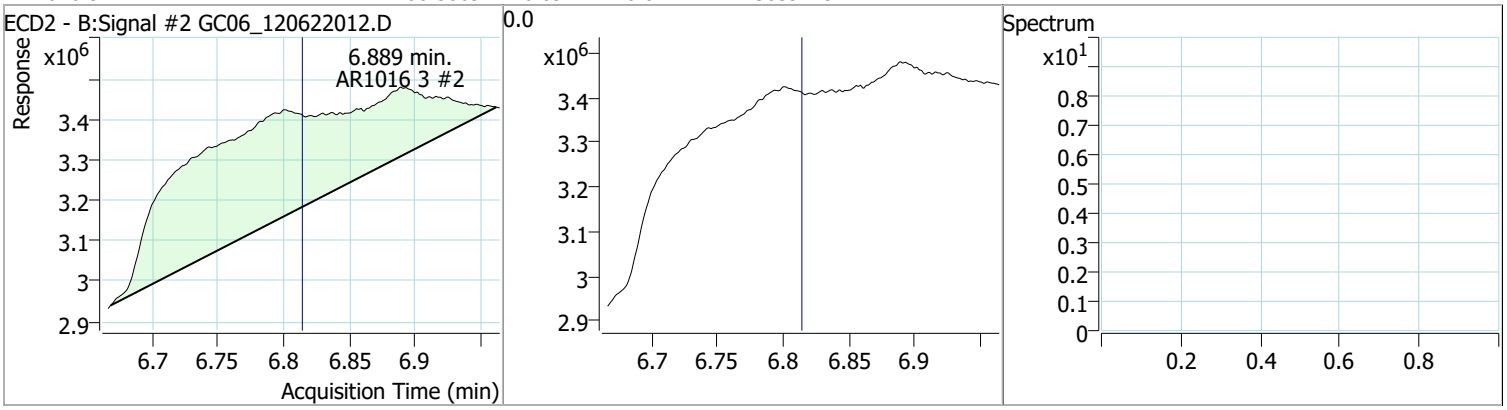
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AR1016 2 #2	40.7548	6.27	0.00	326814				



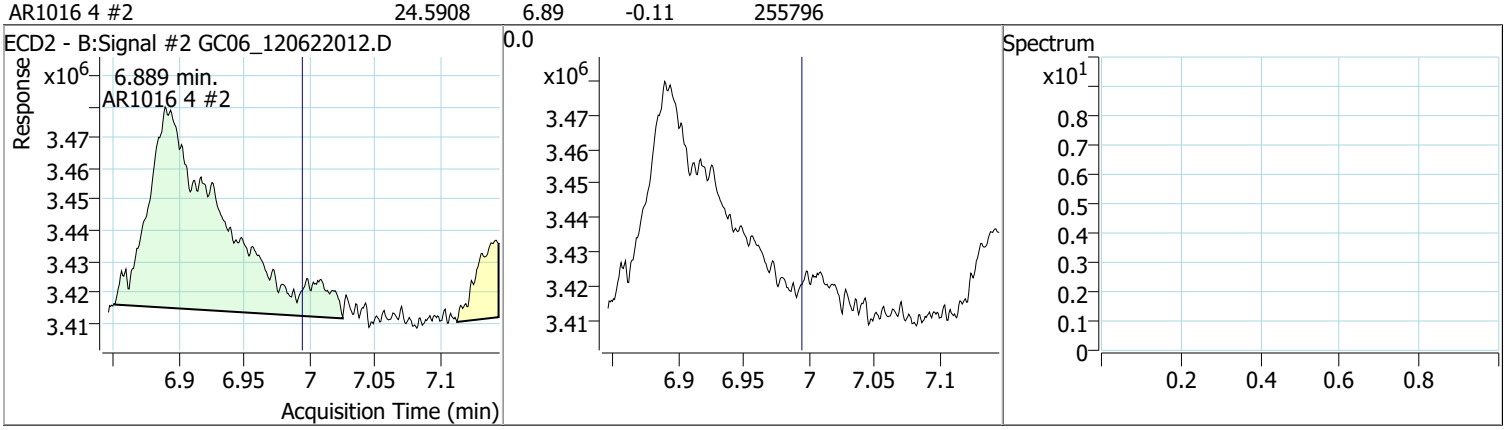
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	10.5107	6.66	-0.01	22370				



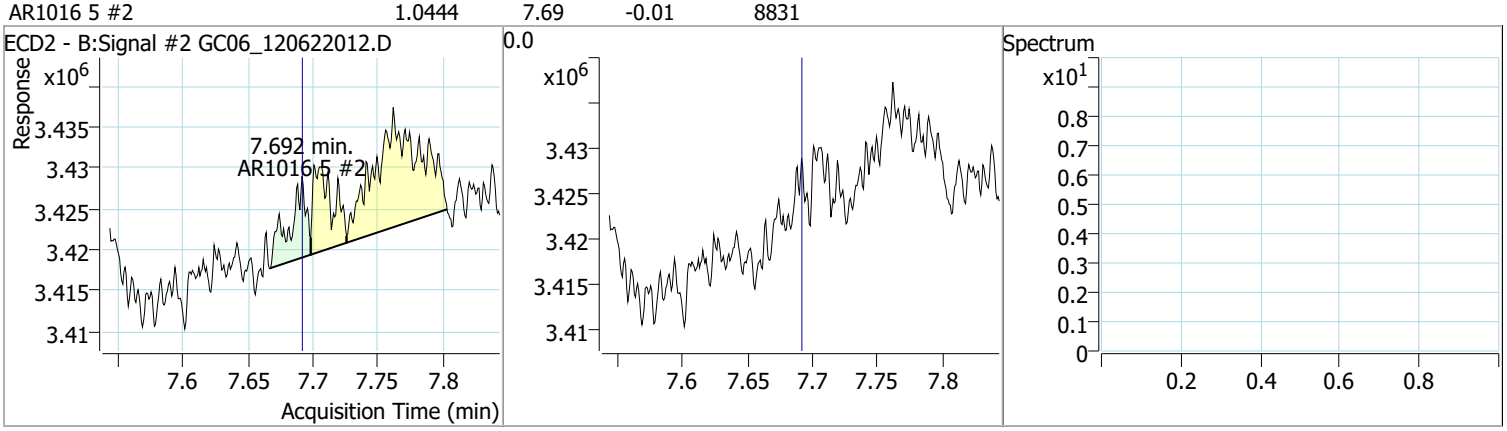
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	208.5869	6.89	0.07	3039249				



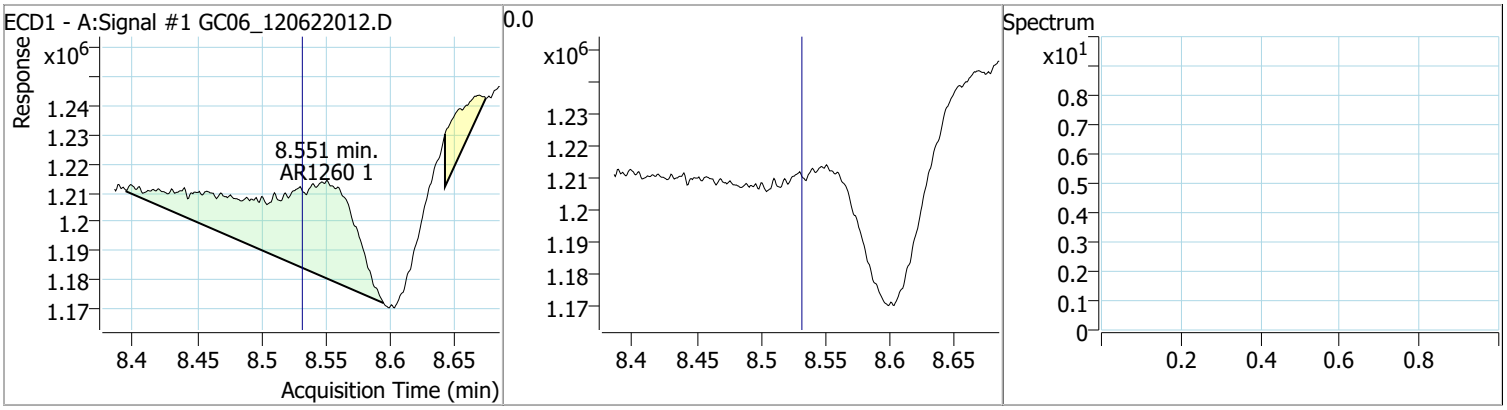
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AR1016 4 #2	24.5908	6.89	-0.11	255796				



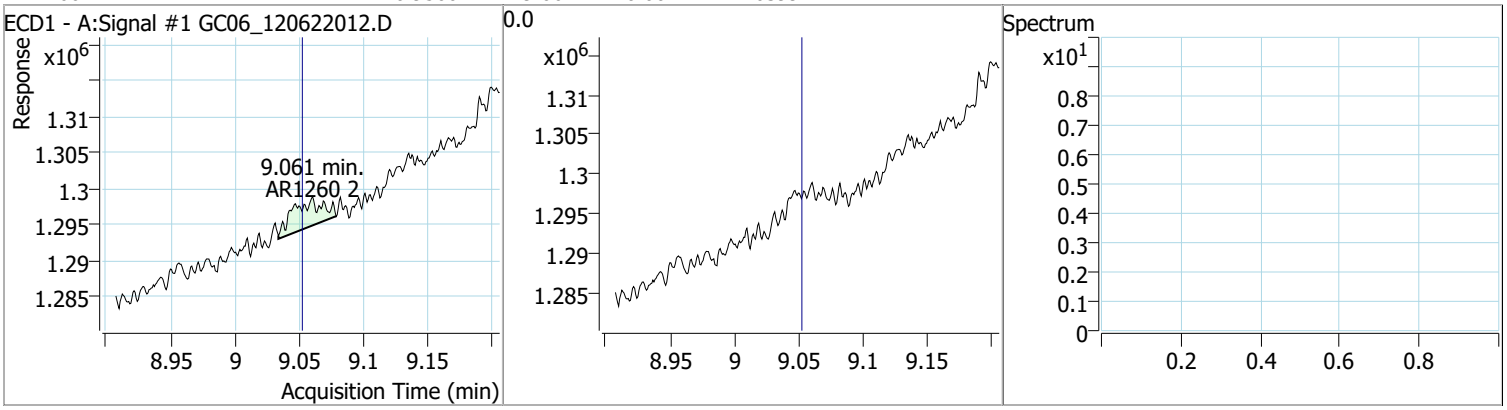
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AR1016 5 #2	1.0444	7.69	-0.01	8831				



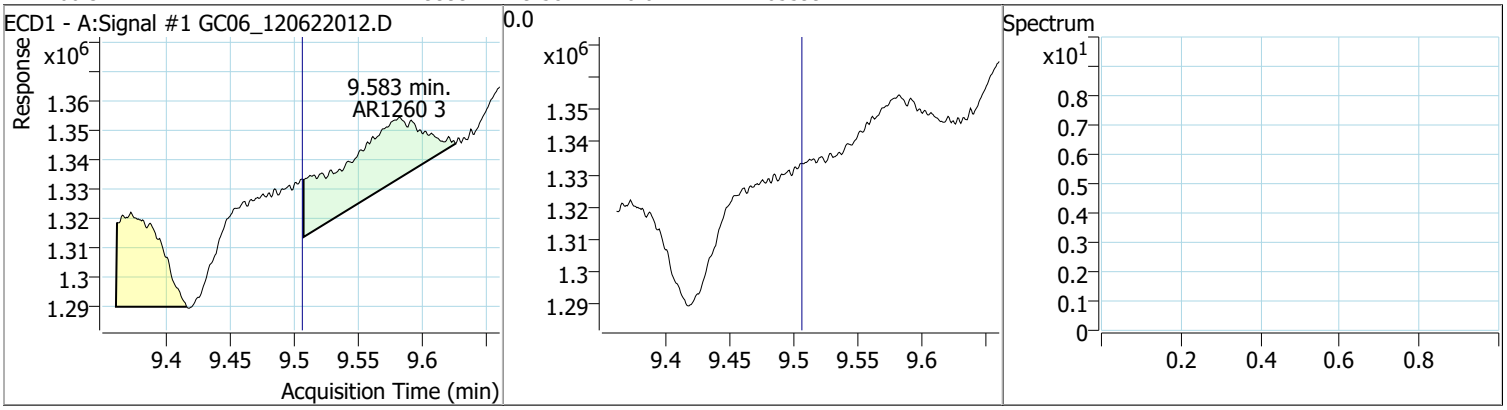
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	42.5535	8.55	0.01	188046				



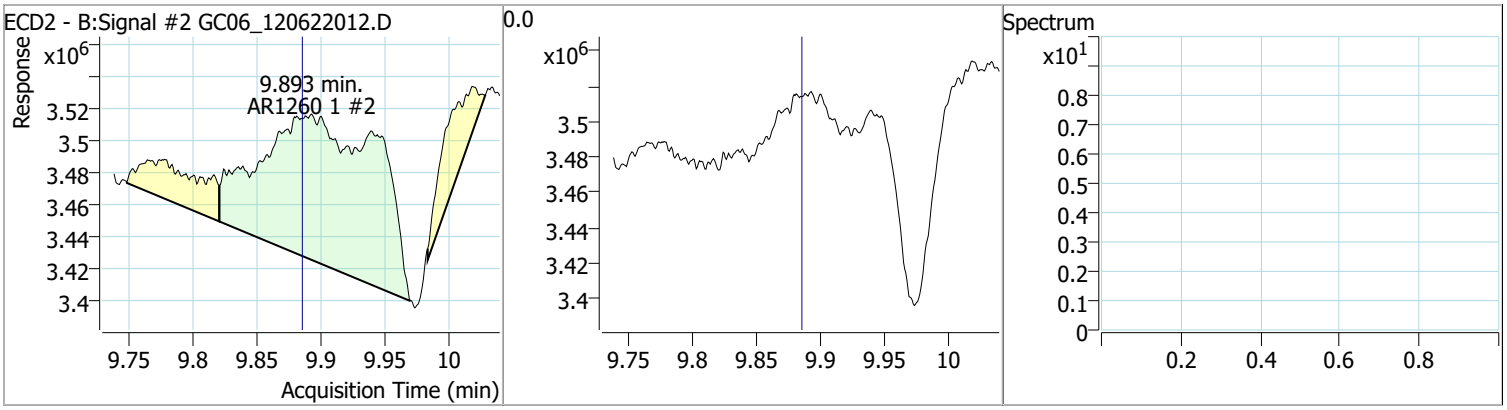
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.9500	9.06	0.00	6399				



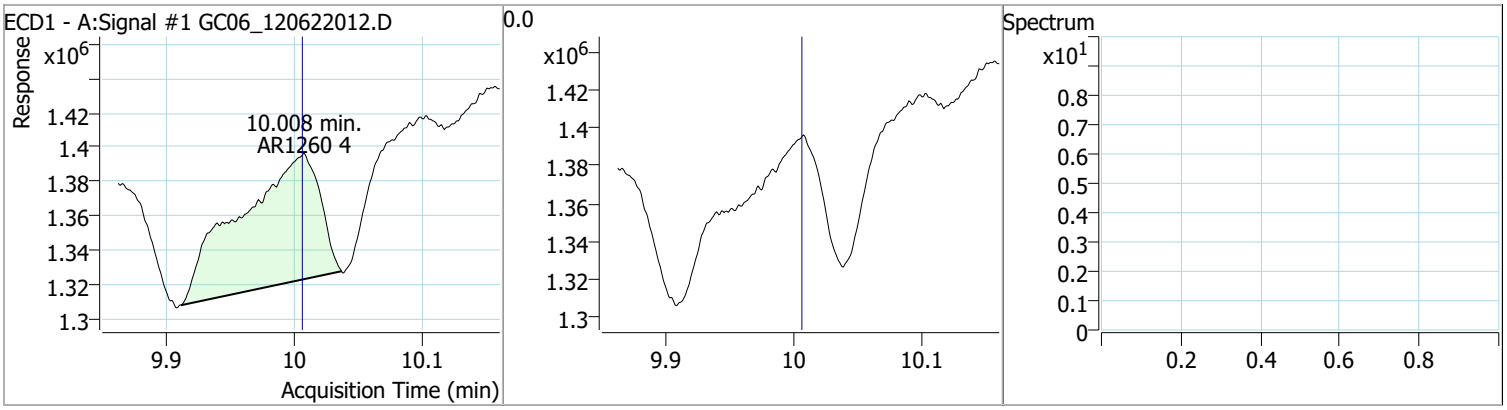
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	14.9999	9.58	0.07	105599				



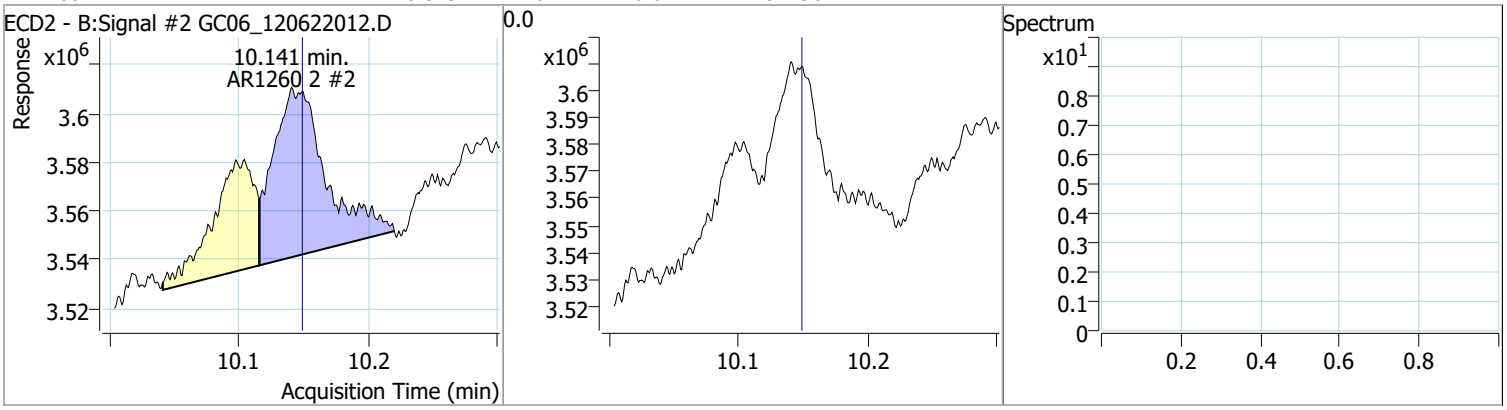
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	37.2267	9.89	0.00	592144				



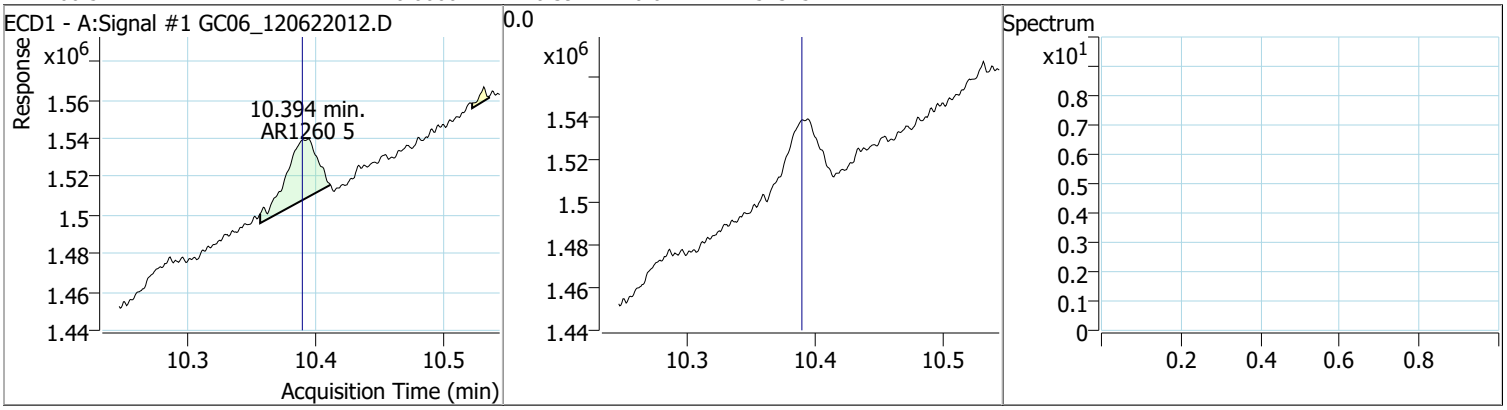
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	72.6850	10.01	-0.01	327680				



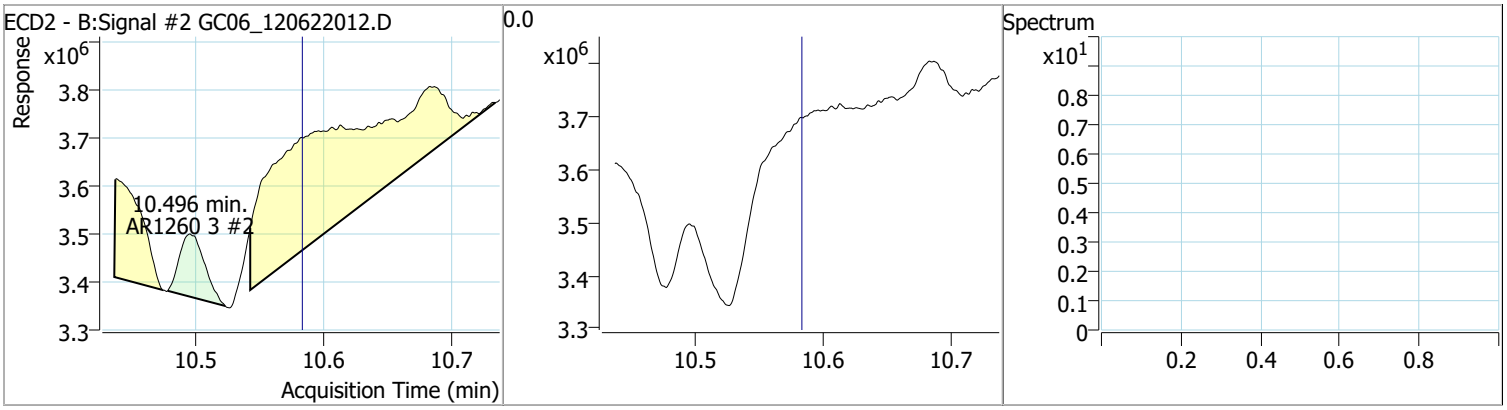
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	10.3494	10.14	-0.02	197798				



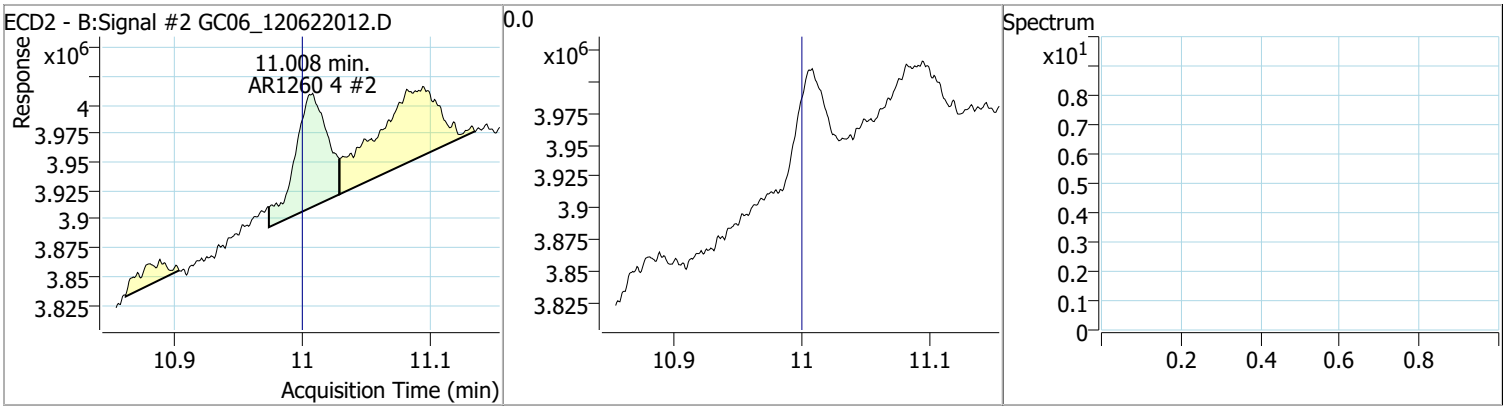
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.39	-0.01	54375				



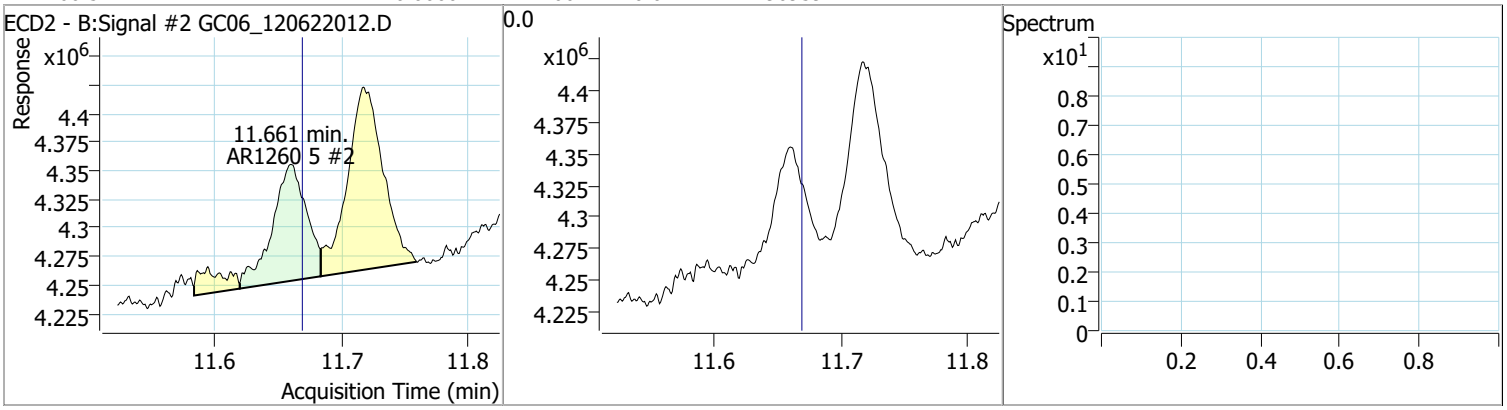
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.4081	10.50	-0.09	179213				



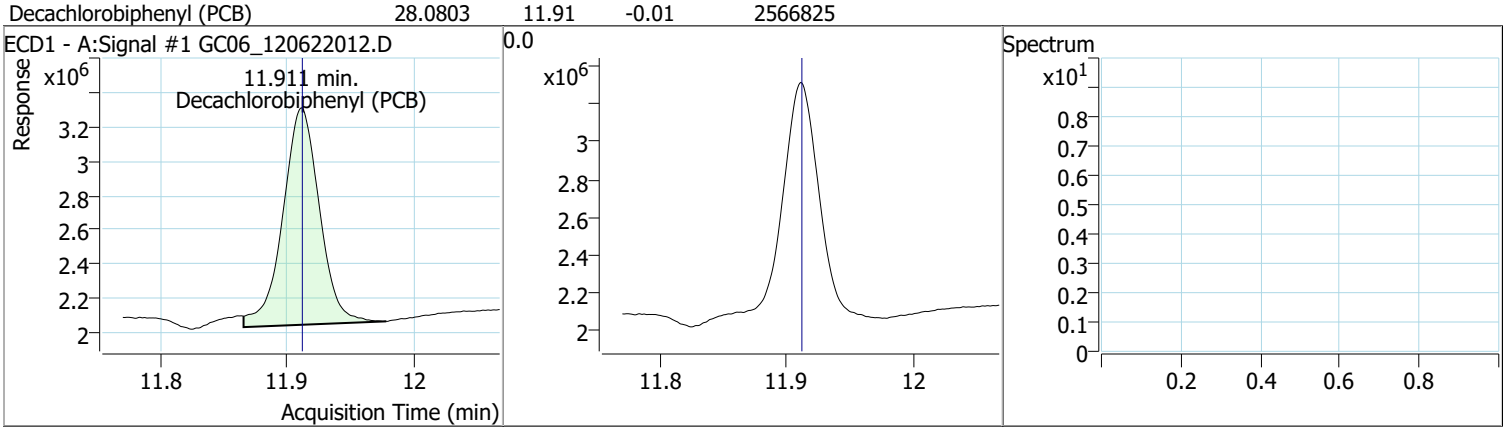
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.01	0.00	174832				



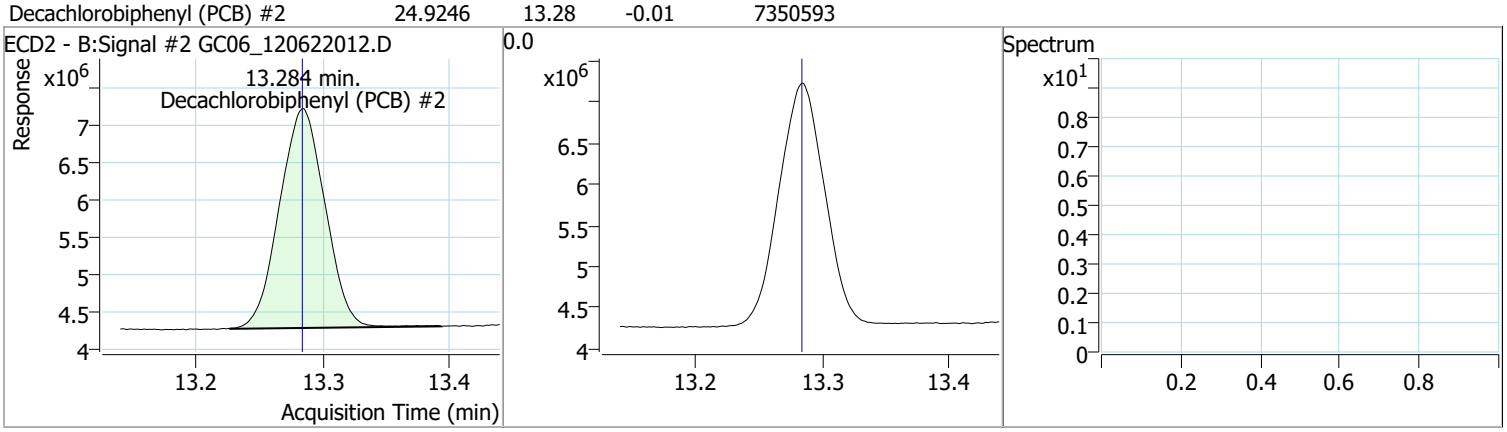
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.0000	11.66	-0.02	190959				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	28.0803	11.91	-0.01	2566825				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	24.9246	13.28	-0.01	7350593				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	473364-004	Client ID:	AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-P-WF
Seqnum:	452490110013.3	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_120622013	Batch:	302486	Time:	06-DEC-2022 12:14
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	452428510002	23.25	ND	0.47	68%	0.50		u
Aroclor-1016 Peak # 1	B	452428510002	61.00	0.61	0.25	84%			
Aroclor-1016 Peak # 2	B	452428510002	38.33	0.38	0.01	187%			
Aroclor-1016 Peak # 3	B	452428510002	0	ND	0.39				
Aroclor-1016 Peak # 4	B	452428510002	15.11	0.15	1.59	165%			
Aroclor-1016 Peak # 5	B	452428510002	1.789	0.02	0.13	151%			
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	452428510002	10.98	ND	0.15	31%	0.50		u
Aroclor-1260 Peak # 1	B	452428510002	35.03	0.35	0.15	81%			
Aroclor-1260 Peak # 2	B	452428510002	10.52	0.11	0.00	194%			
Aroclor-1260 Peak # 3	B	452428510002	7.820	0.08	0.13	51%			
Aroclor-1260 Peak # 4	B	452428510002	13.16	0.13	0.60	128%			
Aroclor-1260 Peak # 5	B	452428510002	-11.62	ND	ND	-10%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B	452490110001	4.561	ND	ND	152%	0.50		?v u
Aroclor-1268 Peak # 1	B	452490110001	1.547	0.02	ND				
Aroclor-1268 Peak # 2	B	452490110001	12.34	0.12	1.02	157%			
Aroclor-1268 Peak # 3	B	452490110001	4.393	0.04	0.20	128%			
Aroclor-1268 Peak # 4	B	452490110001	2.788	0.03	0.32	168%			
Aroclor-1268 Peak # 5	B	452490110001	1.735	0.02	0.12	148%			

Surrogate	Ch	Cal	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	452428510002	28.28	0.5000	0.2828	57	19-121	u
Decachlorobiphenyl (PCB)	A	452428510002	26.58	0.5000	0.2658	53	19-121	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_120622001)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4549134	5607618	23.27
1-bromo-2-nitrobenzene (PCB)	A	1091103	1419278	30.08

ISTD (ICAL gc06_120622005)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	4929107	5606152	13.74
1-bromo-2-nitrobenzene (1268)	A	1140077	1408695	23.56

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+RCCV+RICV(internal standard: 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_120622001)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.17	4.17	0.00

ISTD (ICAL gc06_120622005)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (1268)	A	4.17	4.17	0.00

TJW 12/06/22 : Sample extracted out of HT

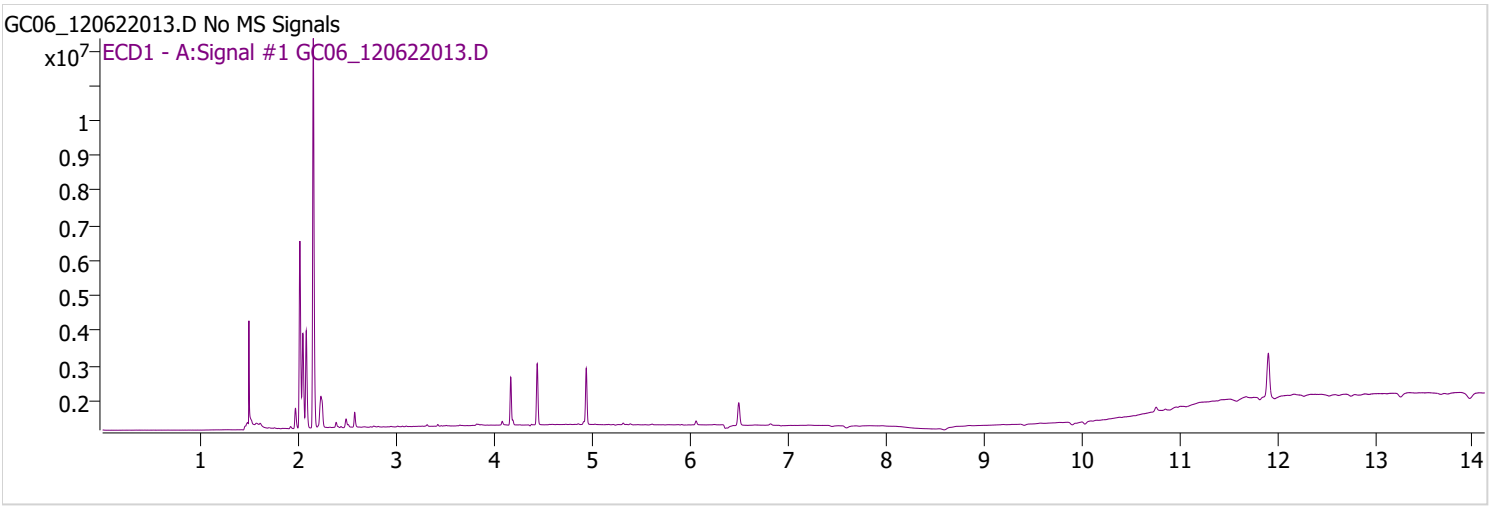
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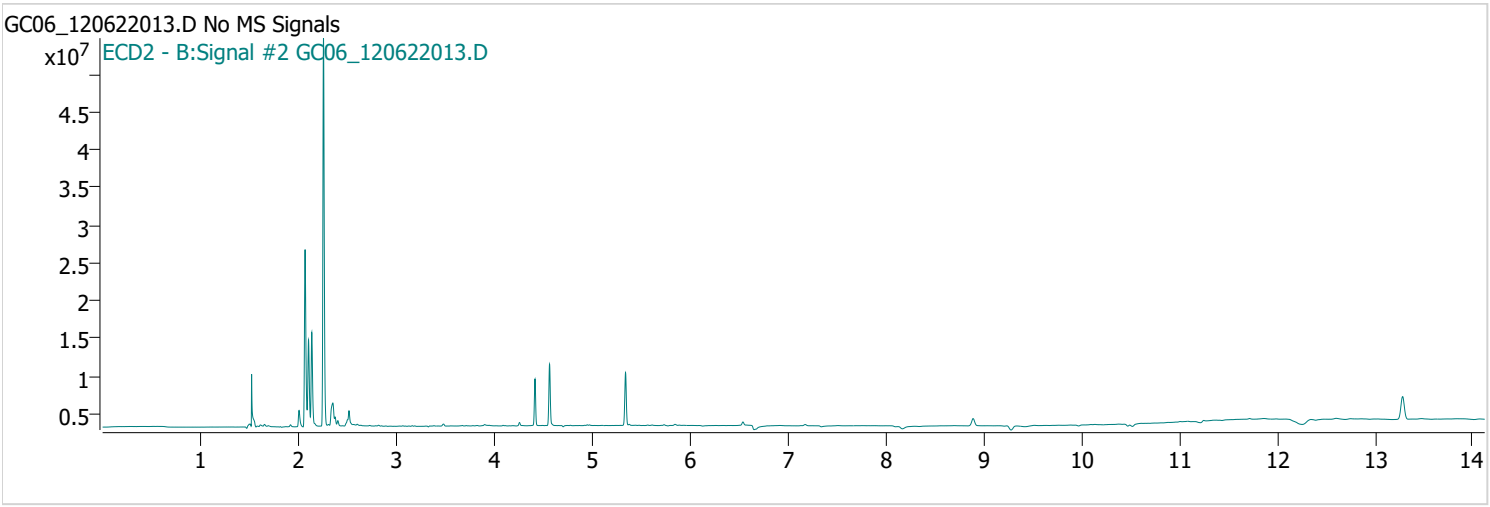
Analyst: TJW 12/06/22 *

Reviewer: LW 12/08/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC06_120622013.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 12:14:31 PM
Sample Name	473364-004, 302486, 1	Instrument	SVOA-GC06
Vial	8	Multiplier	1.00
DA Method File	PCB_AR1268_120622_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_AR1268.batch.bin	Last Calib Update	12/6/2022 3:56:13 PM
Ref Library			



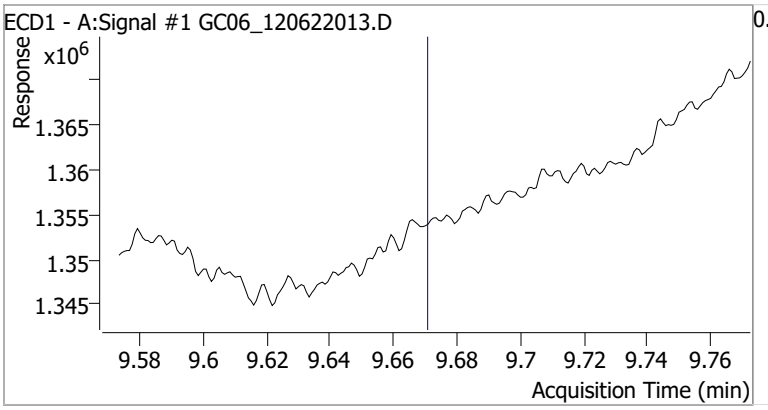


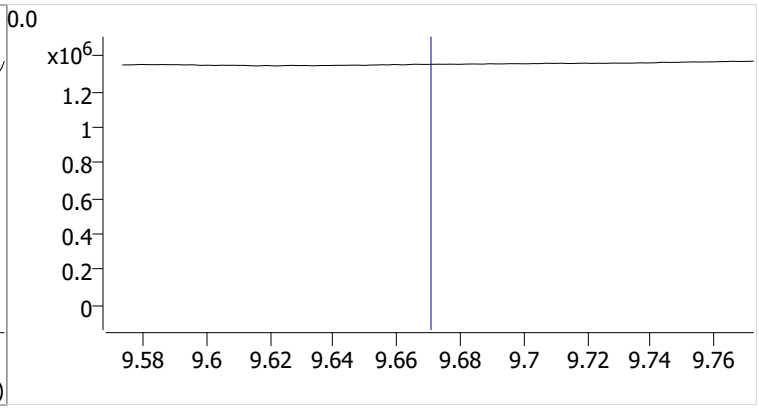
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.171	0.0	1408694.856	20.0000	ng/ml	-0.002
M 1-bromo-2-nitrobenzene (1268) #2	4.419	0.0	5606151.997	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	0.000		0	N.D.		
T AR1268 2	10.004	0.0	304220.569	102.1735	ng/ml	100
T Aroclor-1268	10.868	0.0	301036.151	26.0745	ng/ml	
T AR1268 1 #2	10.688	0.0	10483.861	1.5468	ng/ml	100
T AR1268 3	10.766	0.0	234107.033	20.1303	ng/ml	100
T AR1268 4	11.018	0.0	296627.802	32.2494	ng/ml	100
T AR1268 2 #2	11.012	0.0	102605.081	12.3437	ng/ml	100
T AR1268 3 #2	11.720	0.0	144014.929	4.3928	ng/ml	100
T AR1268 5	11.685	0.0	369189.200	11.6711	ng/ml	100
T Aroclor-1268 #2	11.655	0.0	97485.727	2.9635	ng/ml	
T AR1268 4 #2	11.991	0.0	74200.533	2.7882	ng/ml	100

Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 5 #2	12.863	0.0	156124.233	1.7349	ng/ml	100

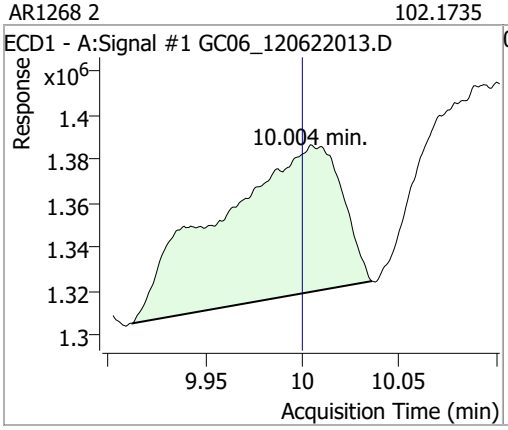
(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

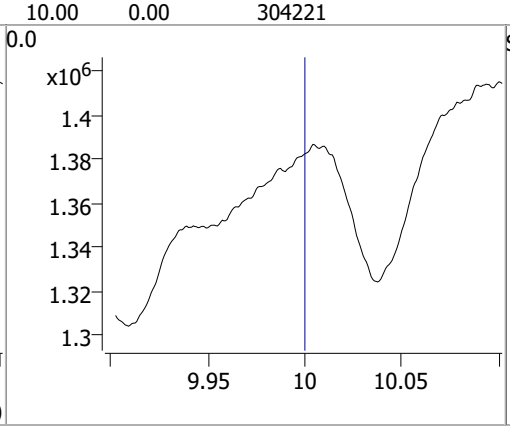
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1268 1	N.D.	9.67		

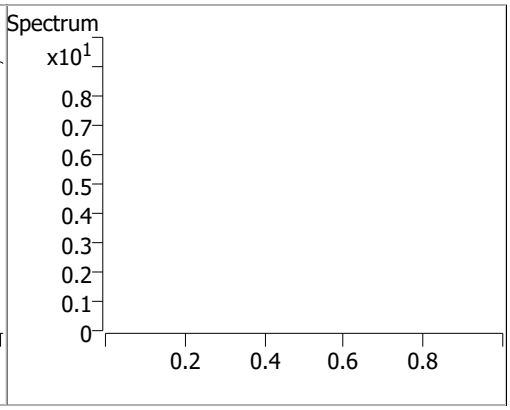




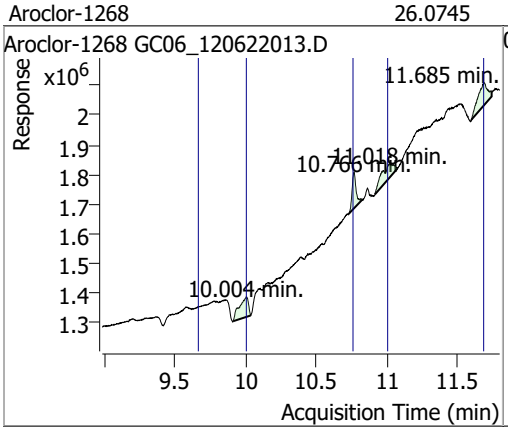
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	102.1735	10.00	0.00	304221				

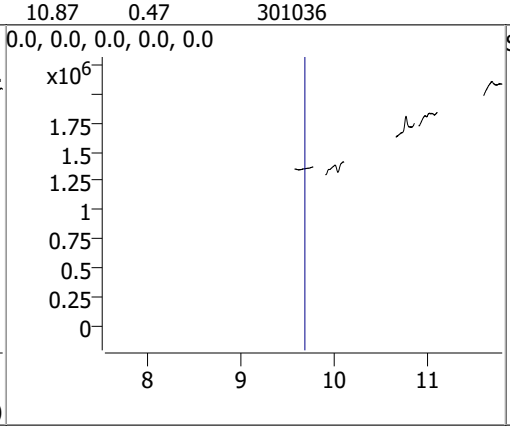


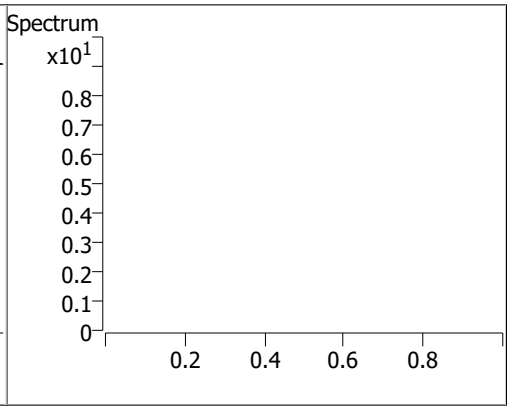




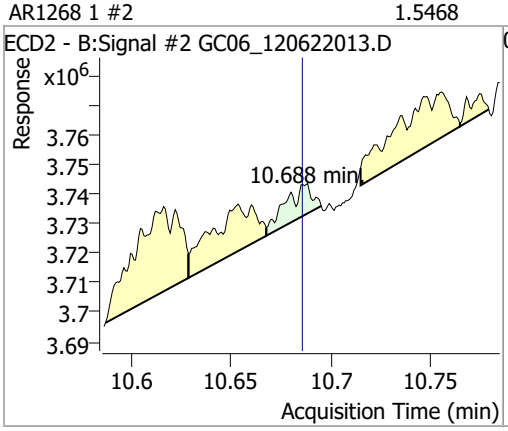
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	26.0745	10.87	0.47	301036				

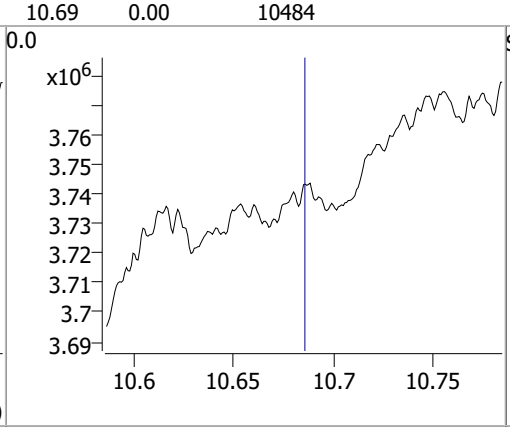


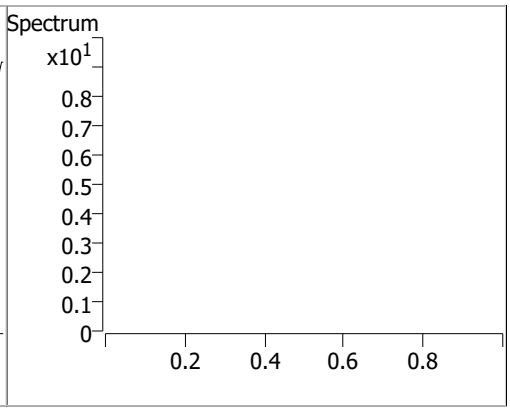




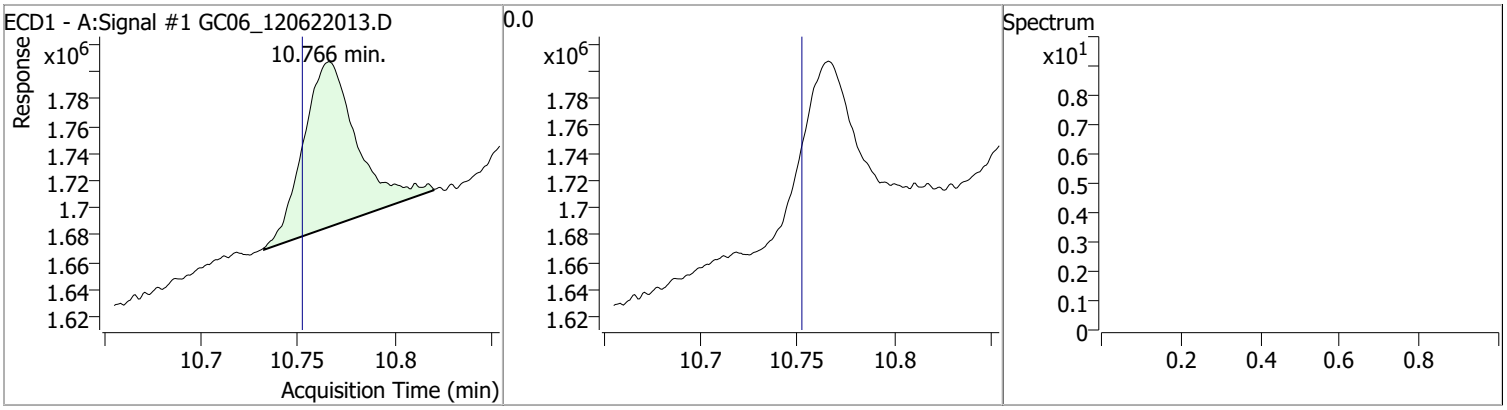
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	1.5468	10.69	0.00	10484				



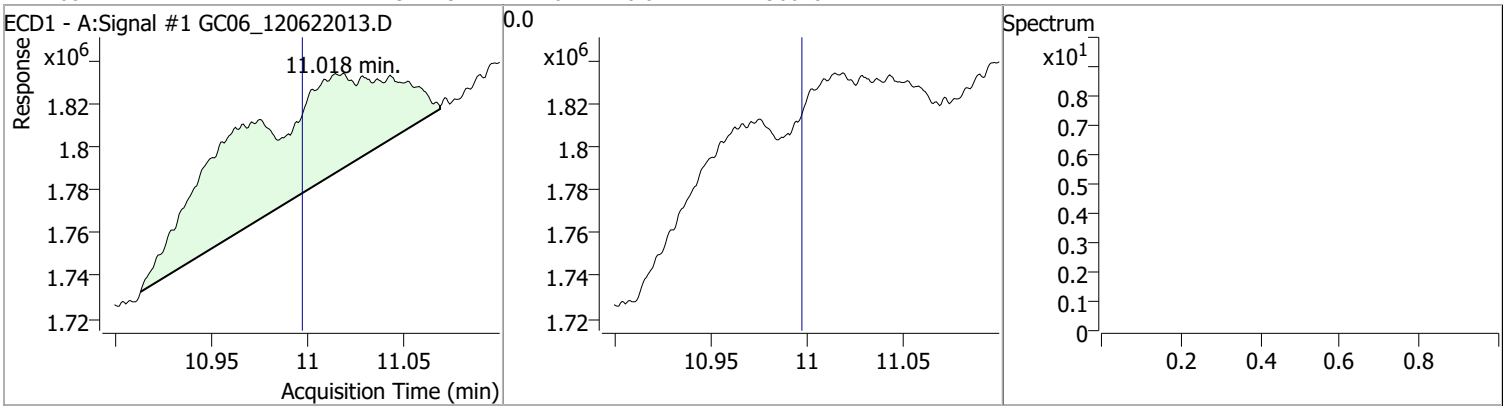




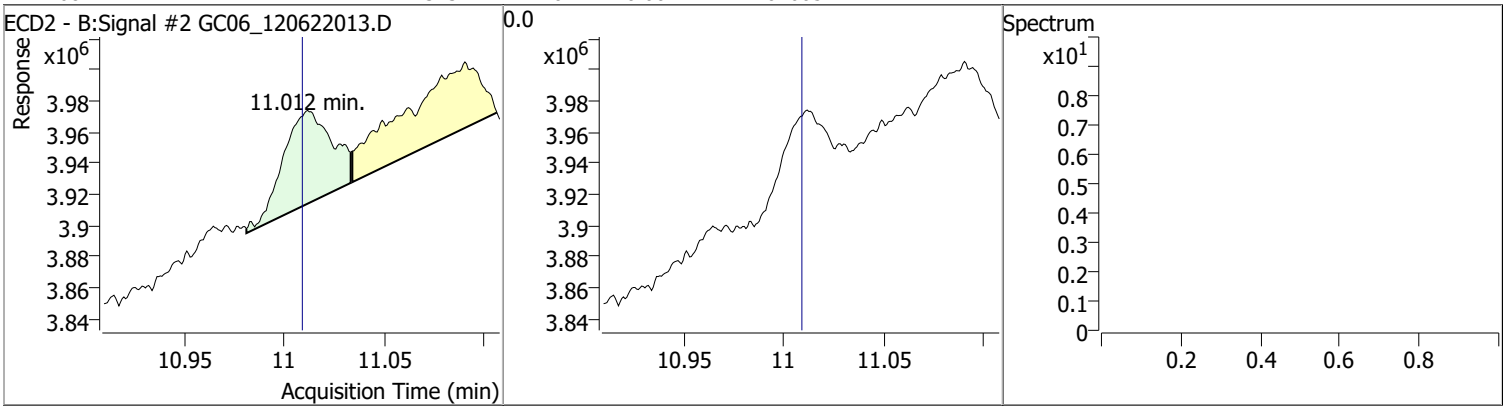
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	20.1303	10.77	0.01	234107				



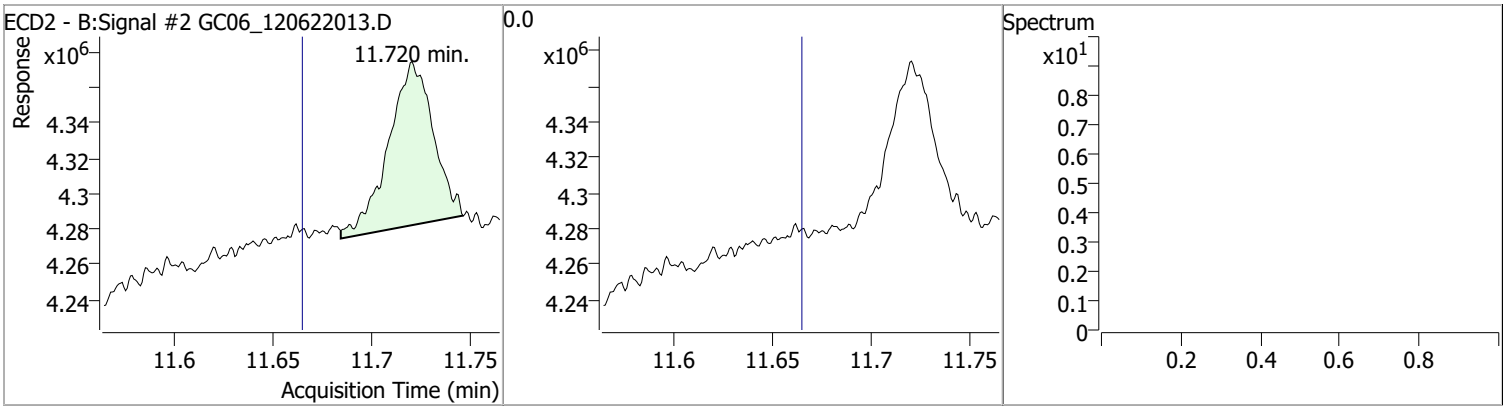
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	32.2494	11.02	0.02	296628				



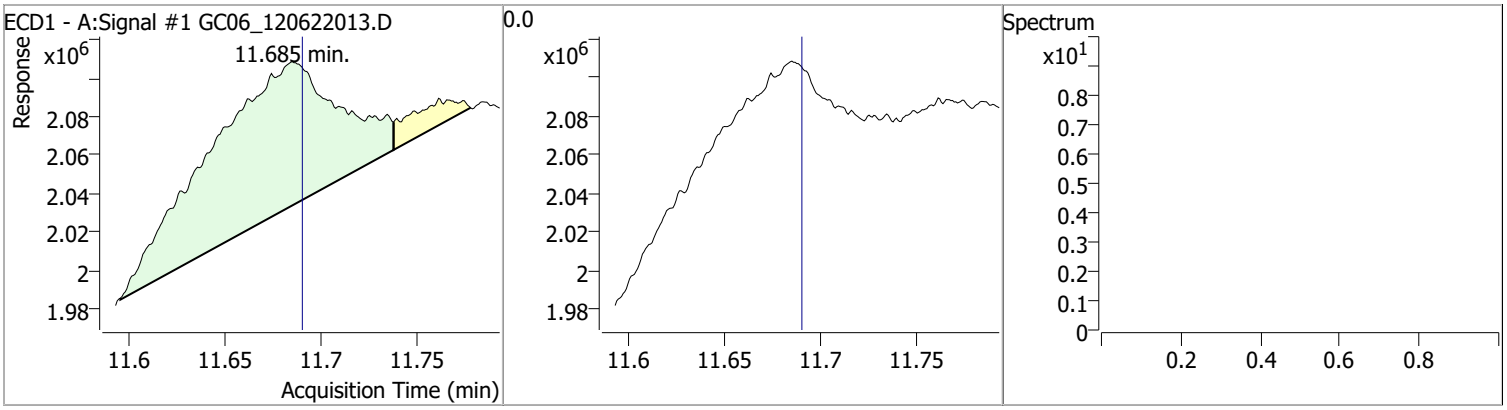
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	12.3437	11.01	0.00	102605				



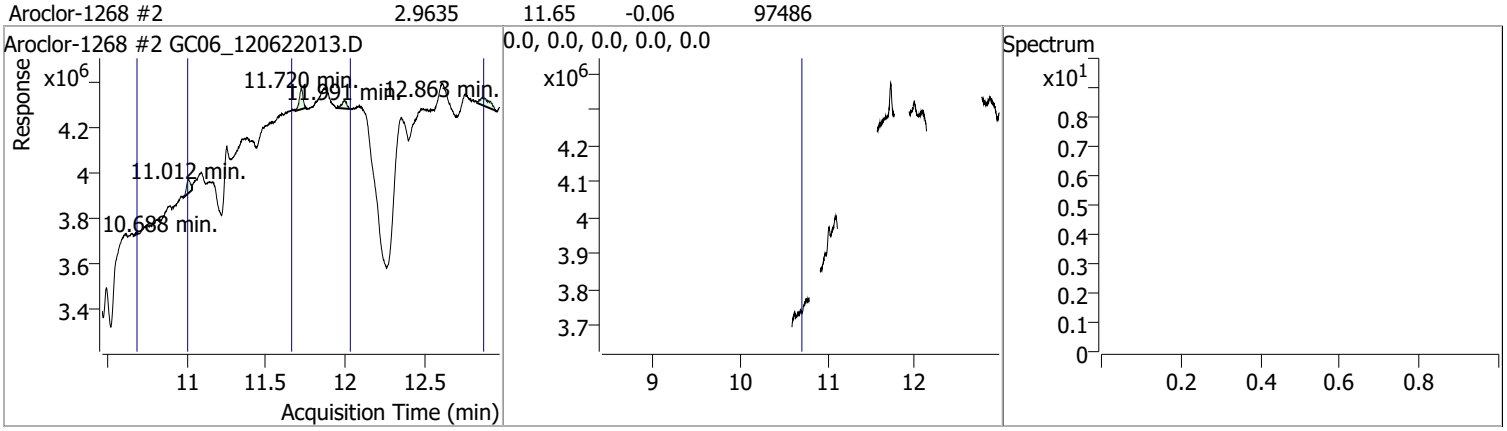
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	4.3928	11.72	0.06	144015				



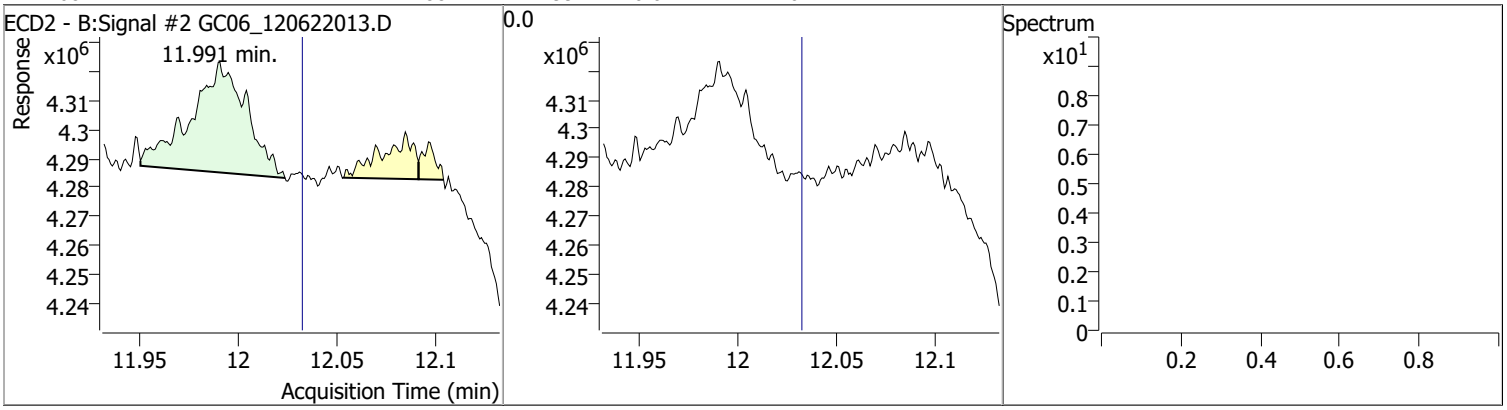
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	11.6711	11.69	-0.01	369189				



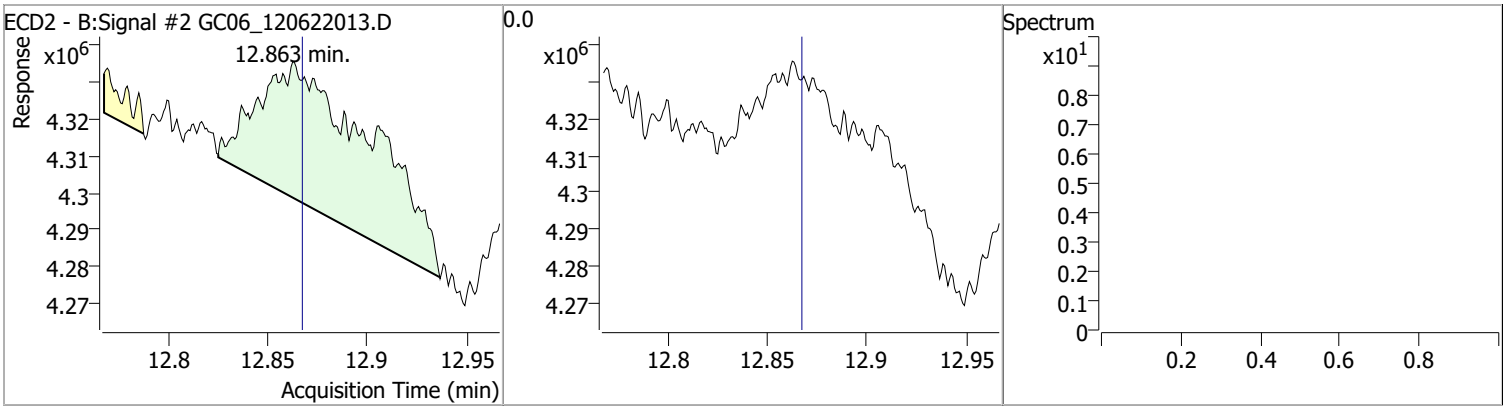
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	2.9635	11.65	-0.06	97486				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	2.7882	11.99	-0.04	74201				

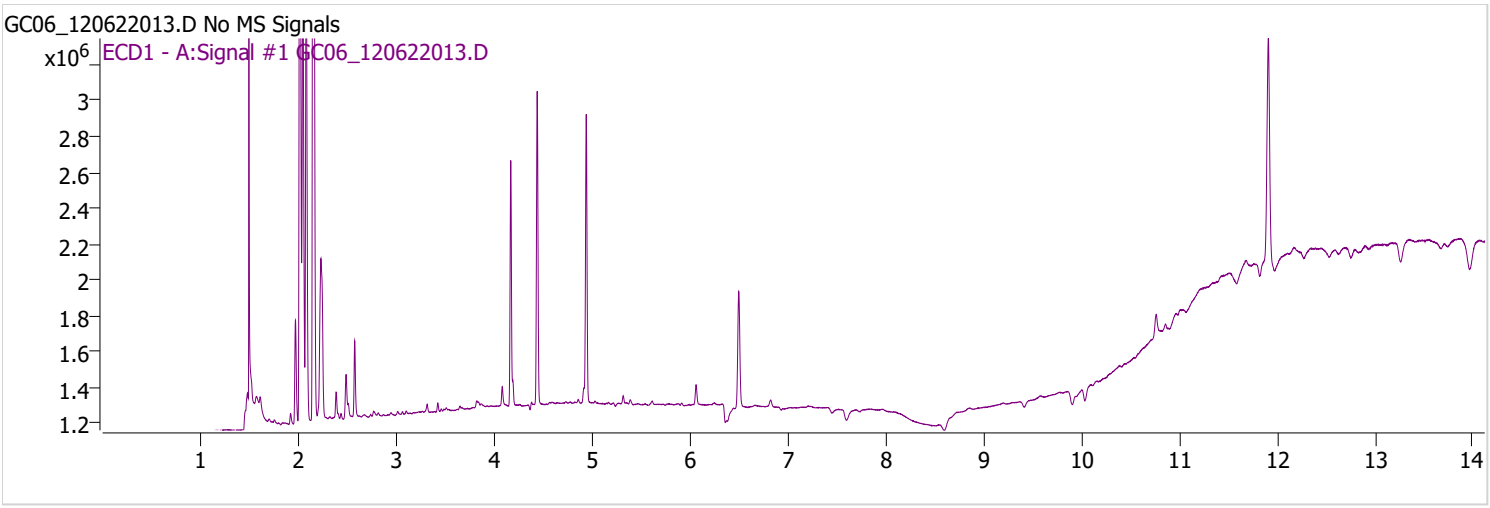


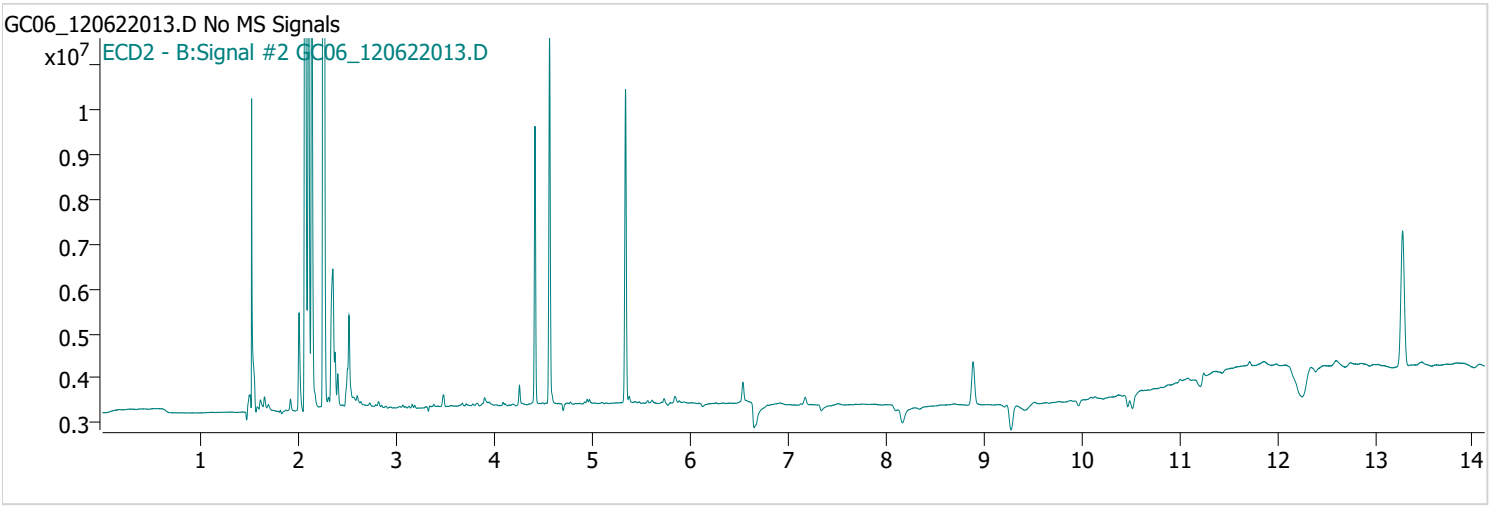
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	1.7349	12.86	0.00	156124				



Quantitation Results Report (Not Reviewed)

Data File	GC06_120622013.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 12:14:31 PM
Sample Name	473364-004, 302486, 1	Instrument	SVOA-GC06
Vial	8	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_9.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



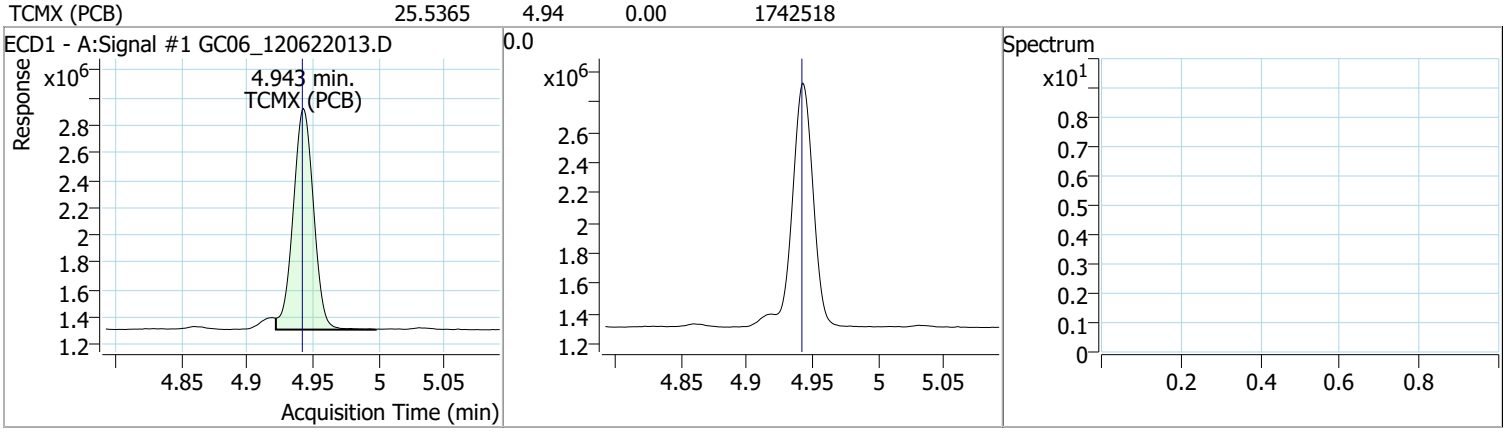


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.171	0.0	1419277.603	20.0000	ng/ml	-0.005
M 1-bromo-2-nitrobenzene (PCB) #2	4.419	0.0	5607618.367	20.0000	ng/ml	-0.003
System Monitoring Compounds						
S TCMX (PCB)	4.943	0.0	1742518.027	25.5365	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 127.68%		
S TCMX (PCB) #2	5.344	0.0	7614941.666	28.2765	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 141.38%		
S Decachlorobiphenyl (PCB)	11.912	0.0	2657958.289	26.5768	ng/ml	-0.011
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.88%		
S Decachlorobiphenyl (PCB) #2	13.284	0.0	7519305.696	24.2495	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 121.25%		
Target Compounds						QValue

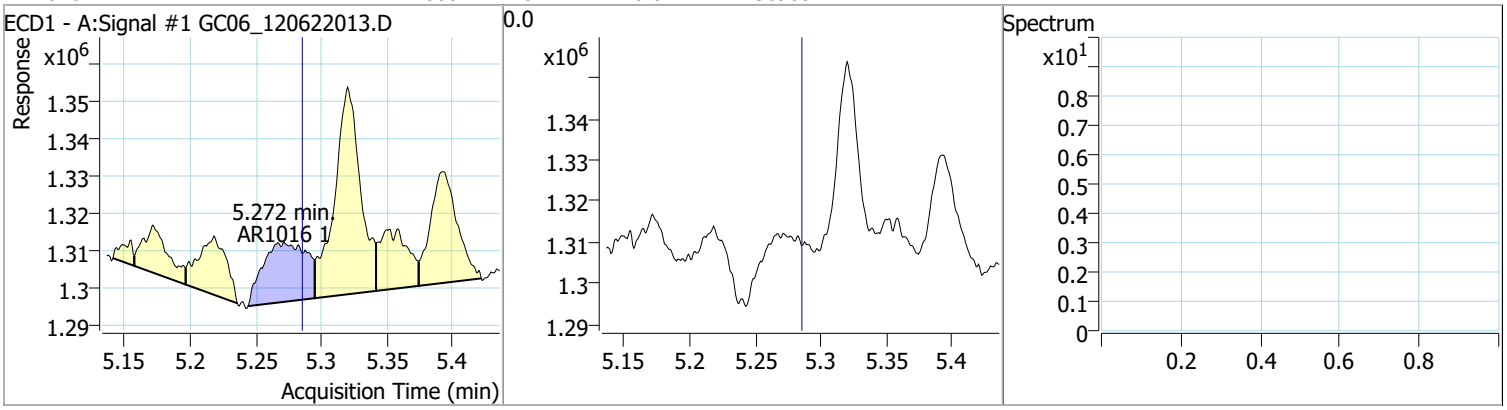
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.272	0.0	36902.822	24.8001	ng/ml	100
T AR1016 2	5.617	0.0	49272.769	1.2639	ng/ml	100
T AR1016 1 #2	5.850	0.0	355549.104	61.0058	ng/ml	100
T AR1016 3	6.065	0.0	147903.148	39.2034	ng/ml	100
T AR1016 4	6.252	0.0	455393.295	158.7080	ng/ml	100
T AR1016 2 #2	6.272	0.0	322442.400	38.3260	ng/ml	100
T AR1016 5	6.668	0.0	29622.774	12.8173	ng/ml	100
T AR1016 3 #2	0.000		0	N.D.		
T AR1016 4 #2	6.926	0.0	164905.399	15.1104	ng/ml	100
T AR1016 5 #2	7.693	0.0	15865.909	1.7885	ng/ml	100
T AR1260 1	8.541	0.0	70950.322	14.7856	ng/ml	100
T AR1260 2	9.024	0.0	1165.516	0.1594	ng/ml	100
T AR1260 3	9.579	0.0	100918.906	13.2012	ng/ml	100
T AR1260 1 #2	9.891	0.0	584666.769	35.0347	ng/ml	100
T AR1260 4	10.004	0.0	304220.569	59.9044	ng/ml	100
T AR1260 2 #2	10.143	0.0	210842.863	10.5152	ng/ml	100
T AR1260 5	10.392	0.0	44743.407	0.0000	ng/ml	100
T AR1260 3 #2	10.496	0.0	198473.509	7.8199	ng/ml	100
T AR1260 4 #2	11.091	0.0	512825.984	13.1609	ng/ml	100
T AR1260 5 #2	11.720	0.0	148582.339	0.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

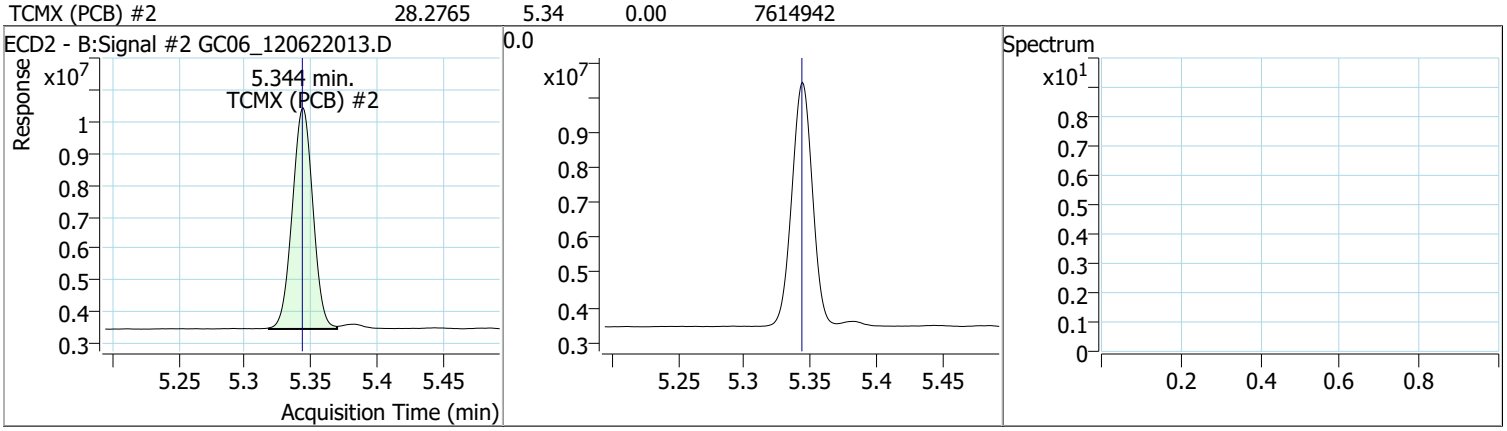
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	25.5365	4.94	0.00	1742518				



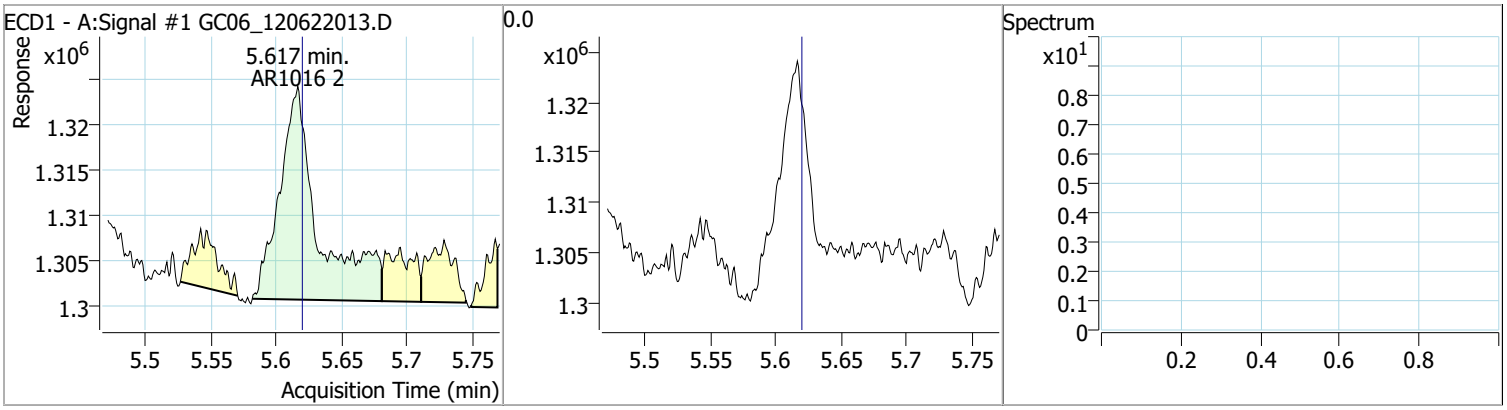
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.8001	5.27	-0.02	36903				



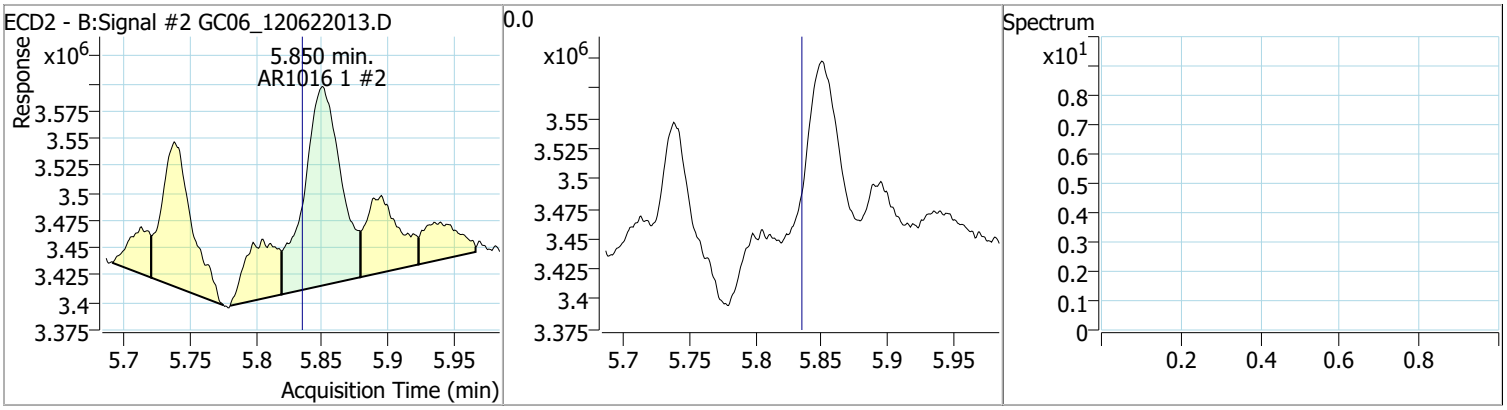
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	28.2765	5.34	0.00	7614942				



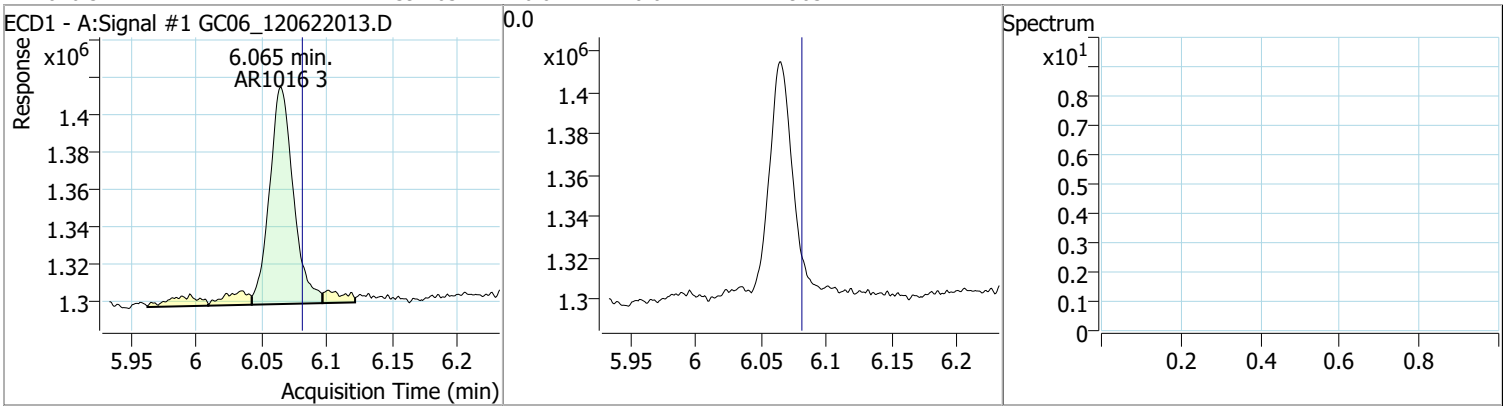
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.2639	5.62	-0.01	49273				



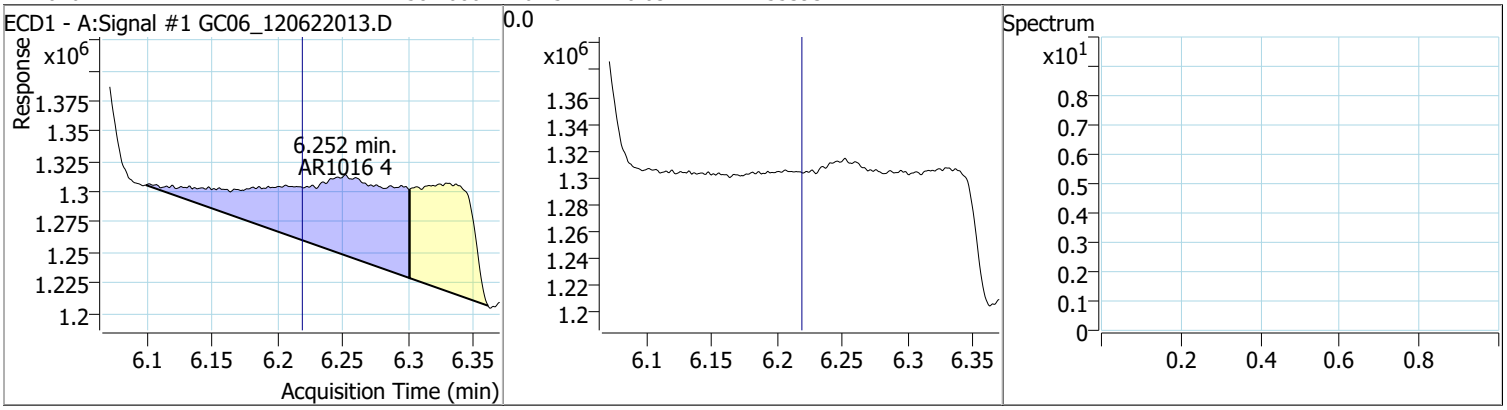
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	61.0058	5.85	0.01	355549				



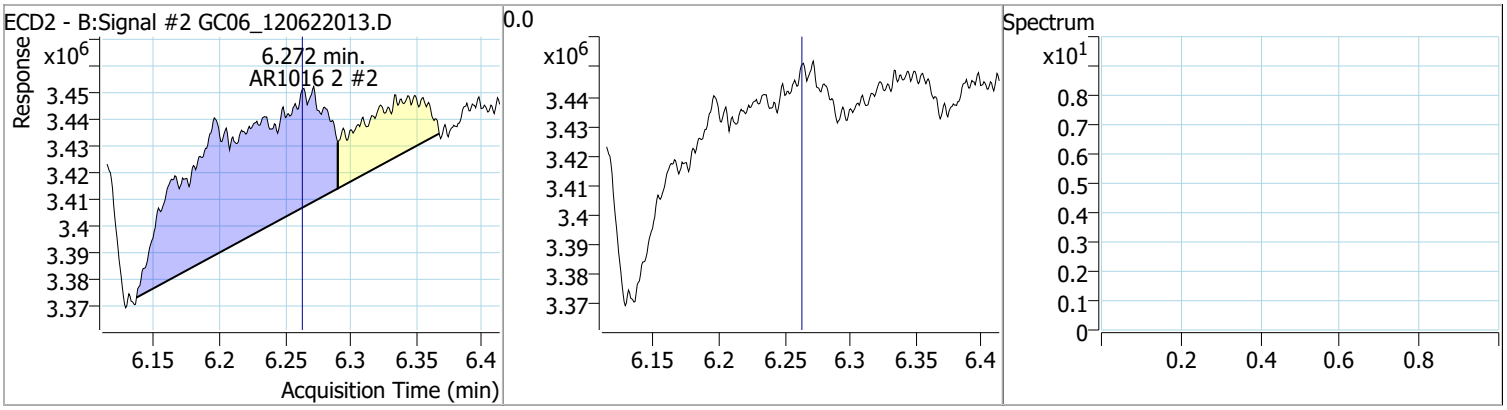
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	39.2034	6.07	-0.02	147903				



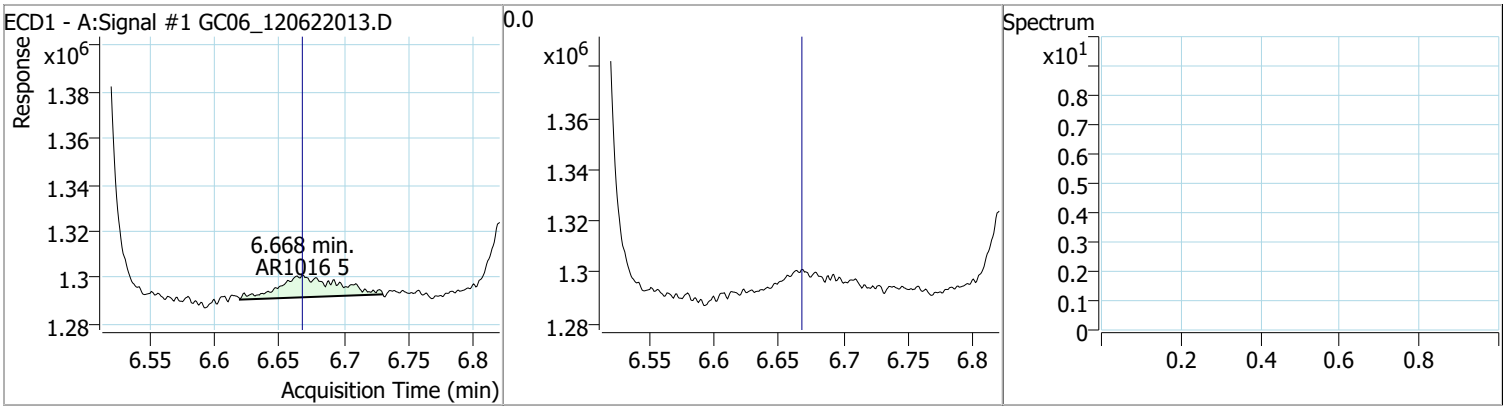
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	158.7080	6.25	0.03	455393				



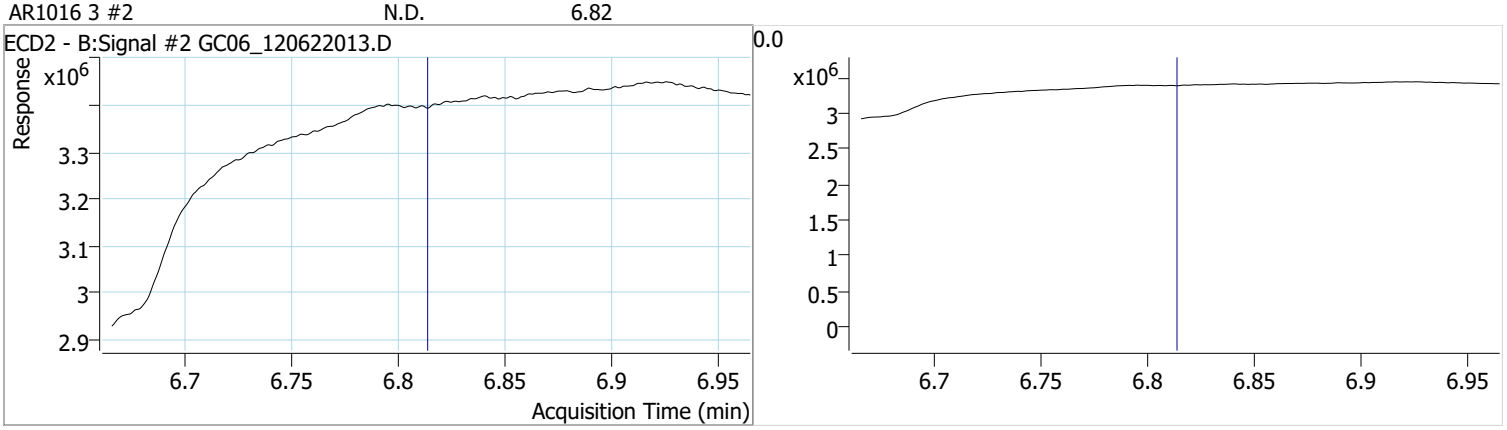
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	38.3260	6.27	0.00	322442				



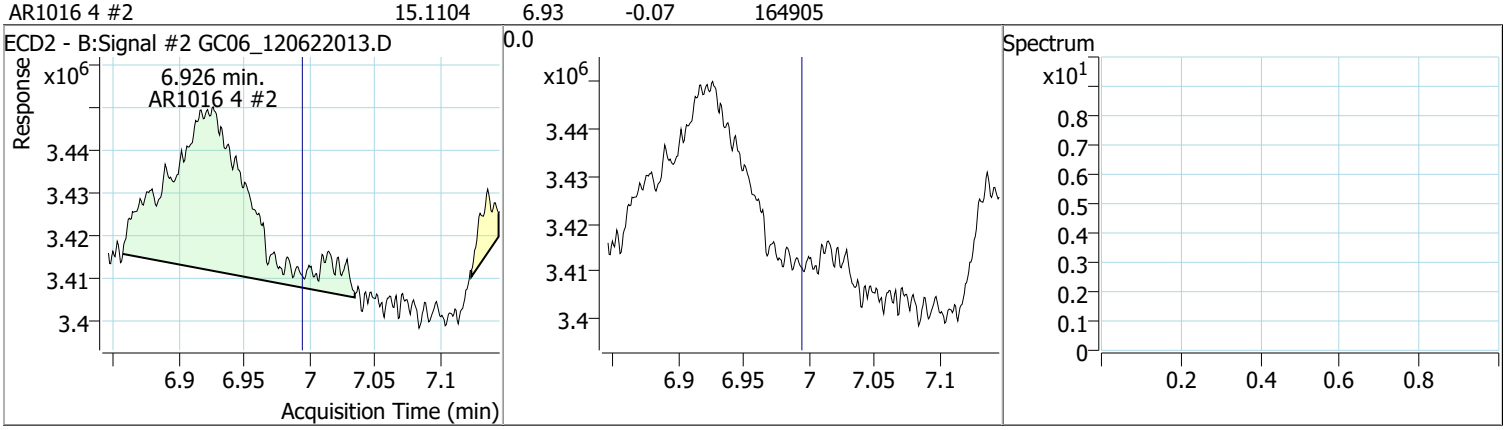
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	12.8173	6.67	-0.01	29623				



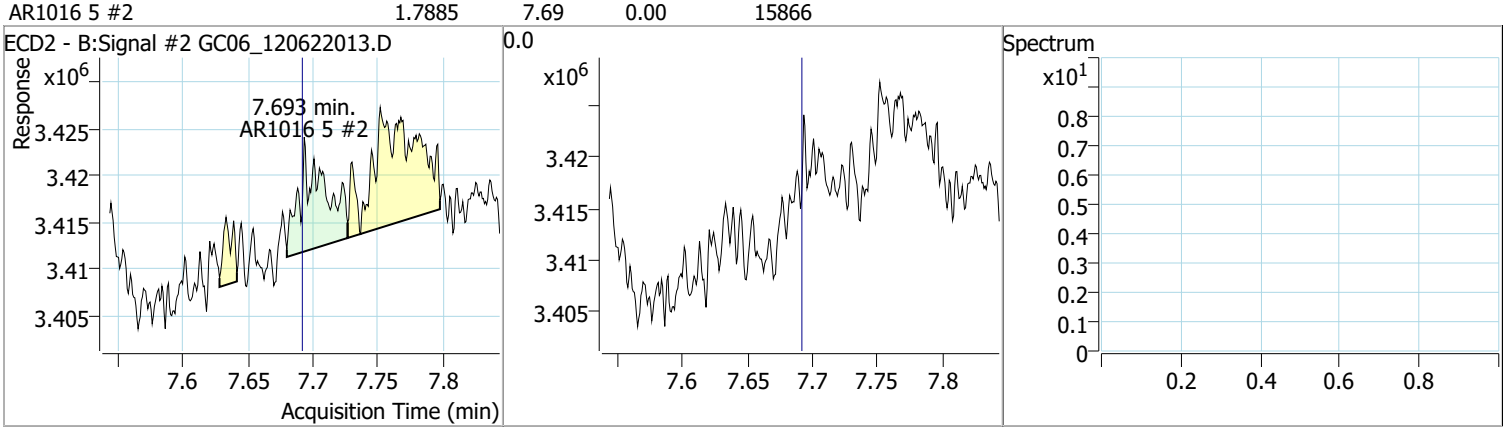
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 3 #2	N.D.	6.82		



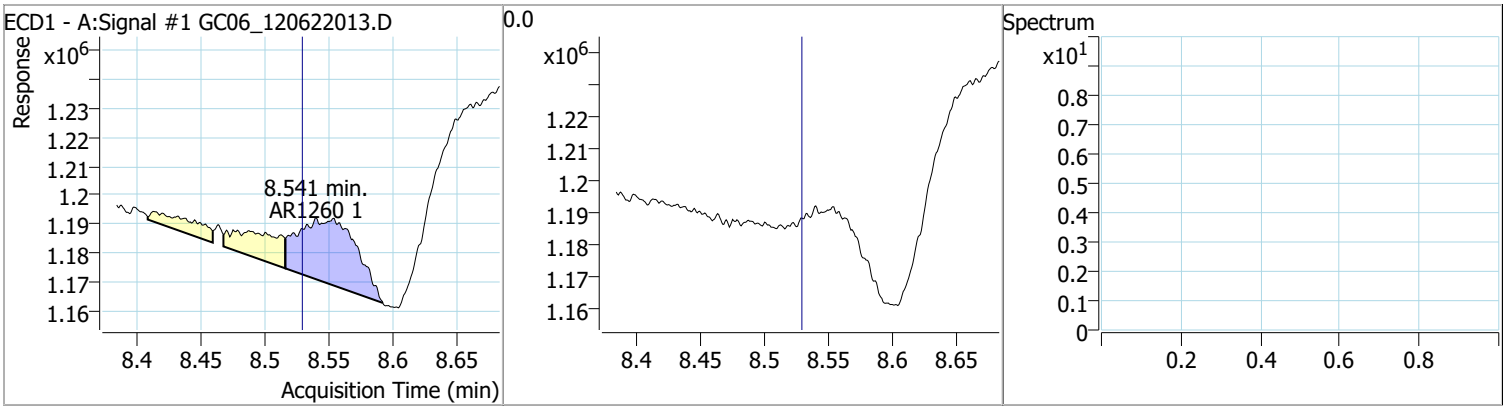
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	15.1104	6.93	-0.07	164905				



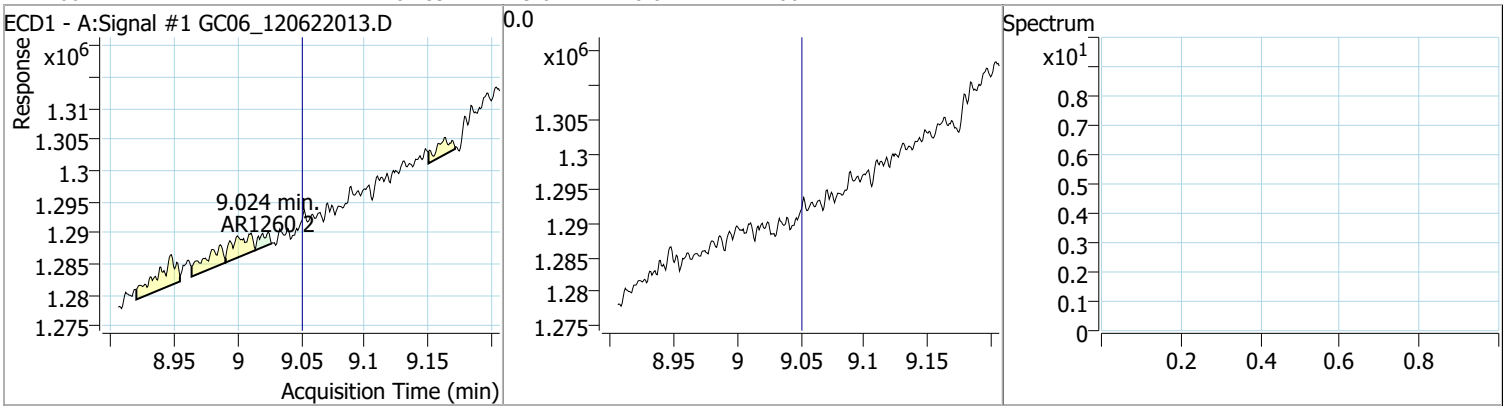
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.7885	7.69	0.00	15866				



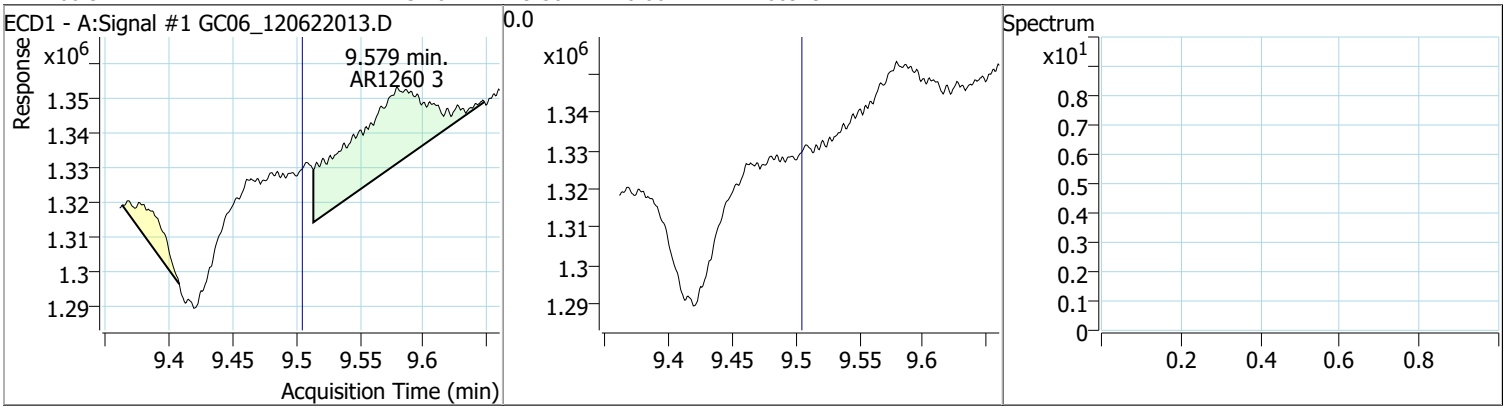
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	14.7856	8.54	0.00	70950				



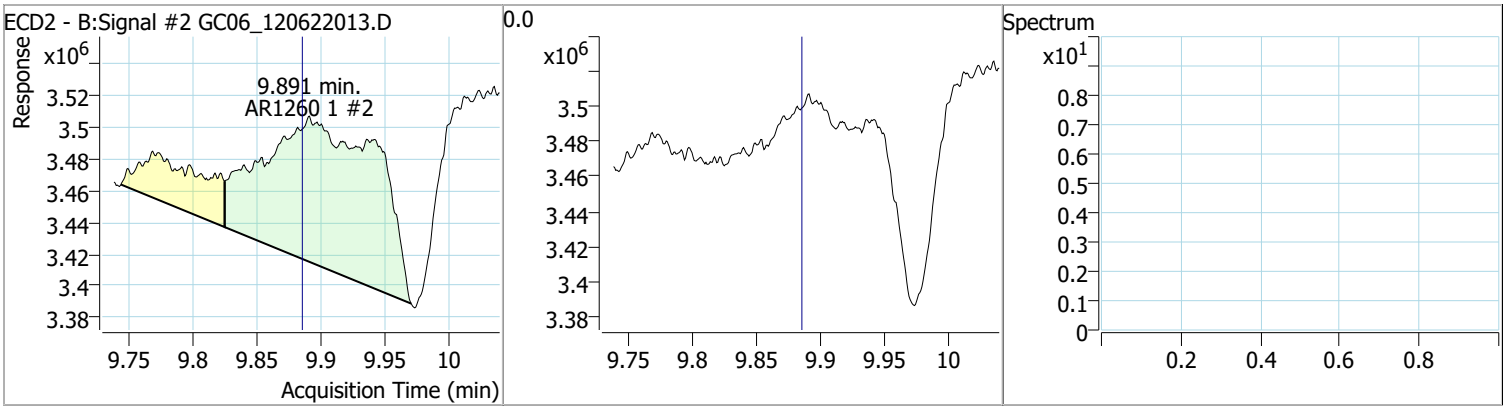
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.1594	9.02	-0.04	1166				



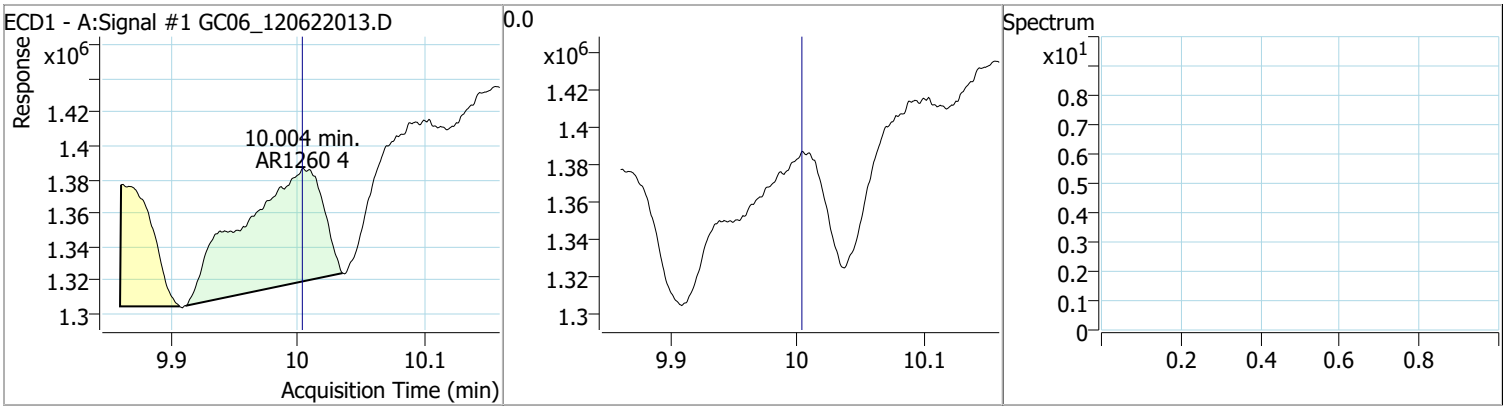
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	13.2012	9.58	0.06	100919				



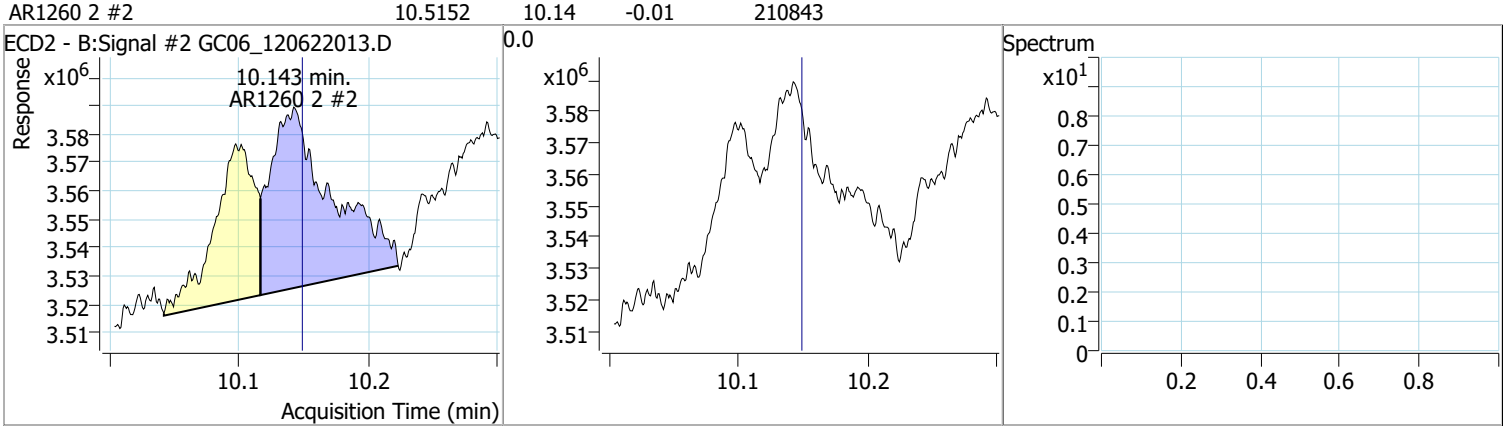
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	35.0347	9.89	0.00	584667				



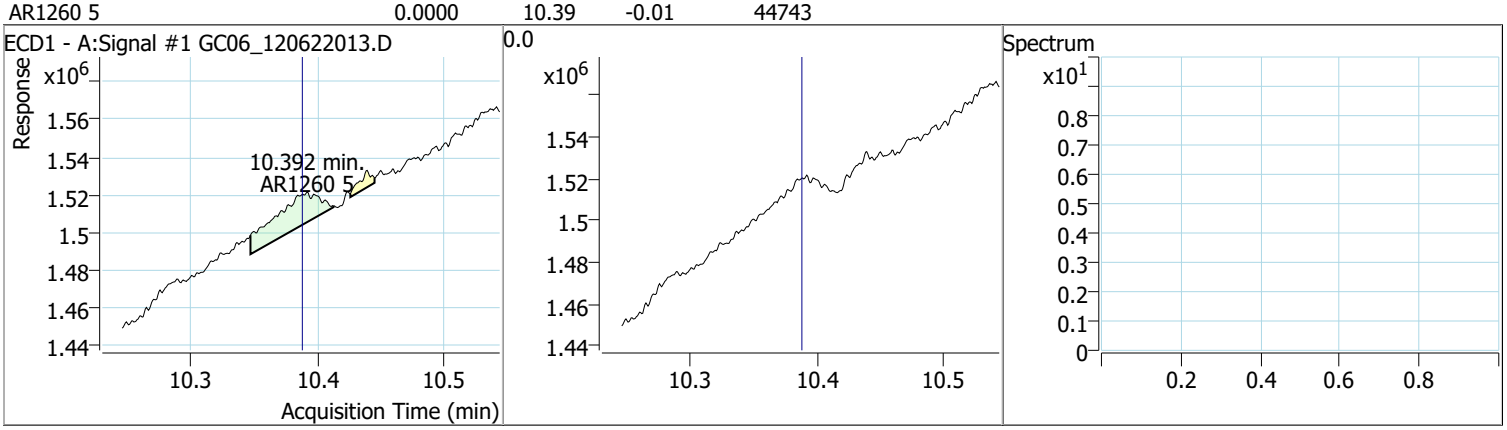
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	59.9044	10.00	-0.01	304221				



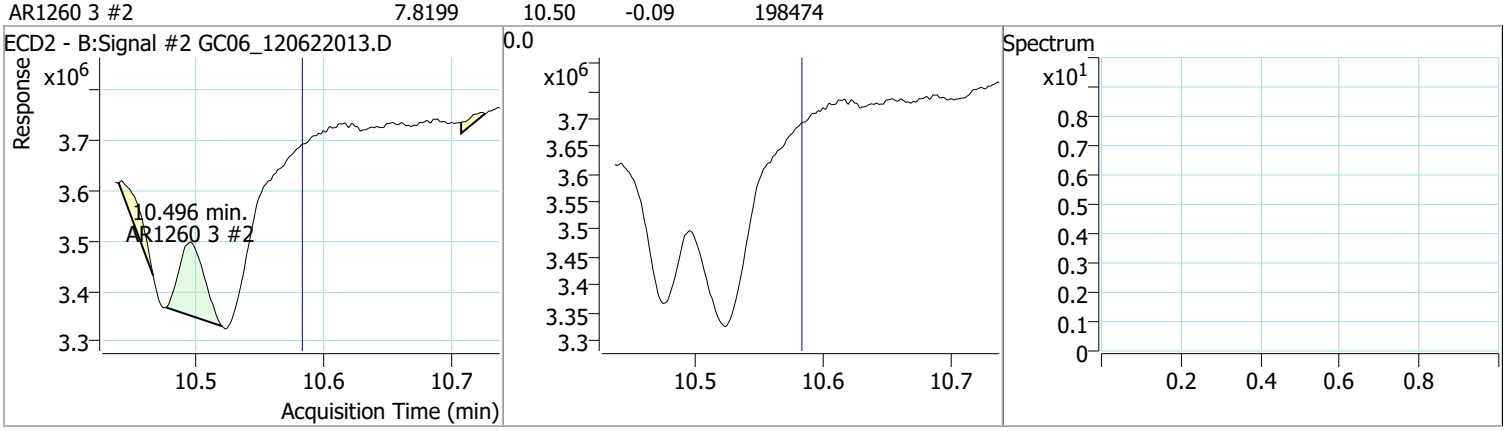
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	10.5152	10.14	-0.01	210843				



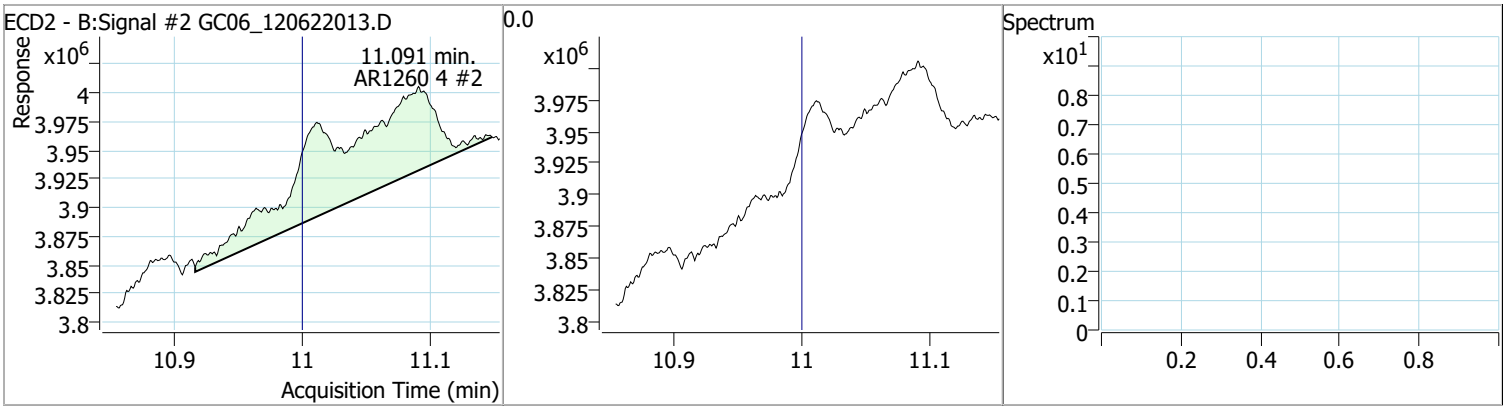
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.39	-0.01	44743				



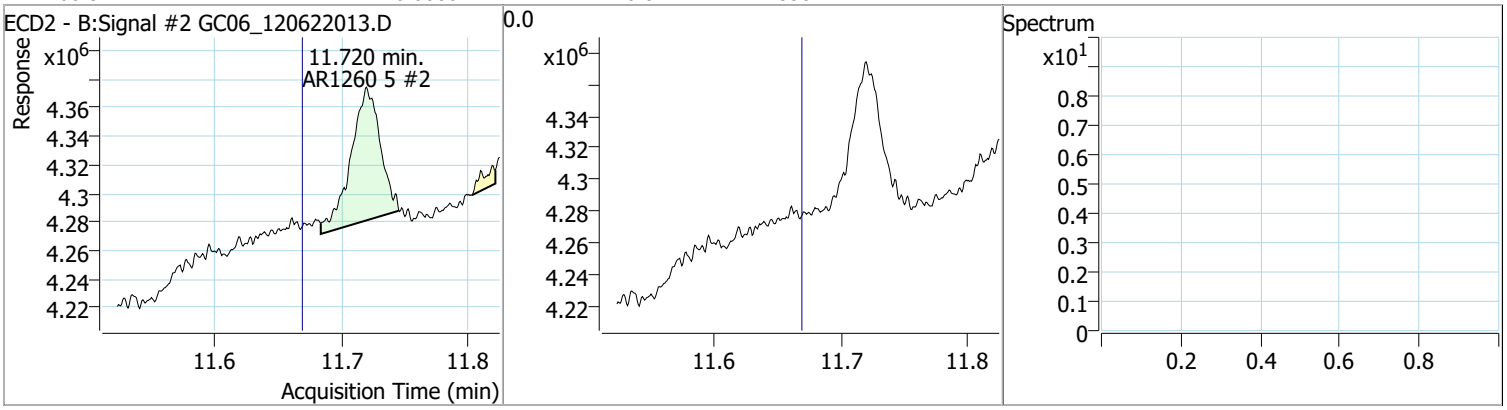
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.8199	10.50	-0.09	198474				



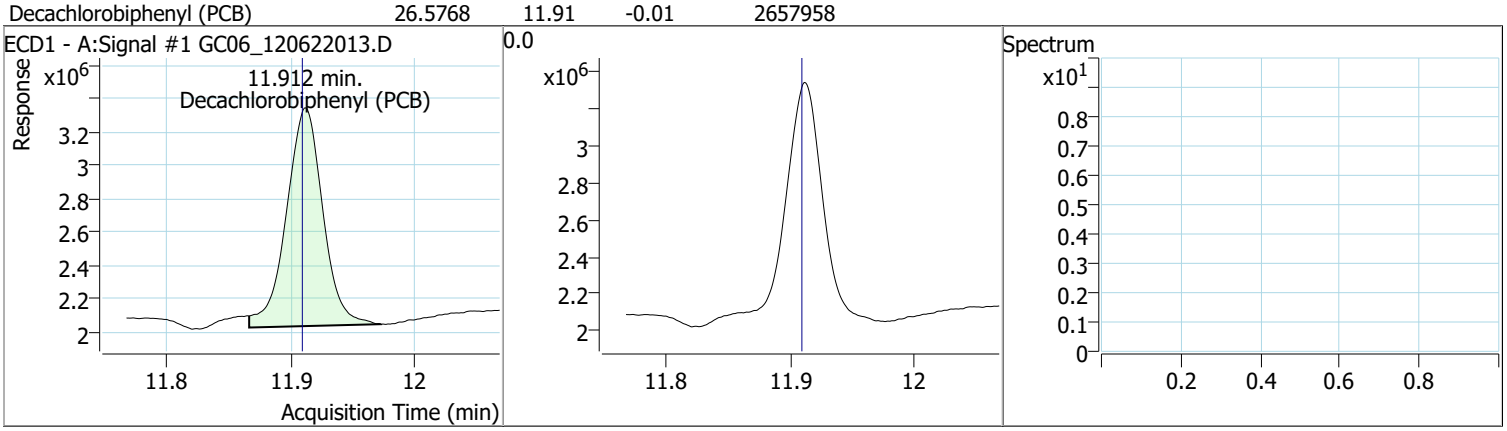
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	13.1609	11.09	0.08	512826				



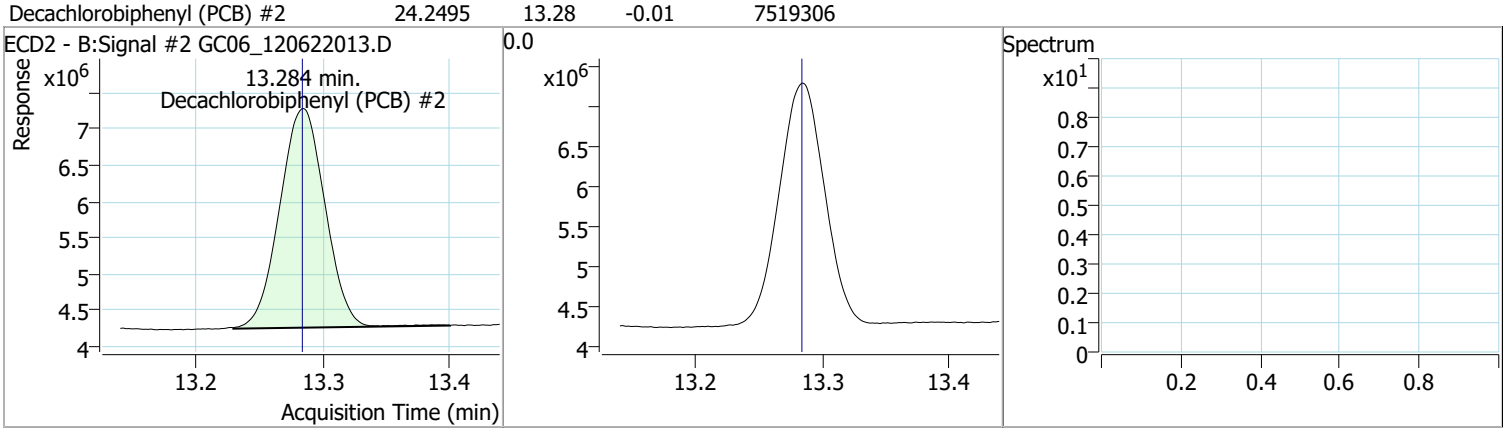
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.0000	11.72	0.04	148582				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.5768	11.91	-0.01	2657958				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	24.2495	13.28	-0.01	7519306				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	473364-007	Client ID:	AFRAME-C1W-MED-L3-UP-C1.2-VS-221116-P-LA
Seqnum:	452490110014.3	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_120622014	Batch:	302486	Time:	06-DEC-2022 12:32
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	452428510002	60.67	~~0.61~~ ~~FP~~	0.75	22%	0.50		x u
Aroclor-1016 Peak # 1	B	452428510002	66.44	0.66	0.19	111%			
Aroclor-1016 Peak # 2	B	452428510002	52.84	0.53	ND	236%			
Aroclor-1016 Peak # 3	B	452428510002	162.9	1.63	0.74	75%			
Aroclor-1016 Peak # 4	B	452428510002	20.45	0.20	2.77	173%			
Aroclor-1016 Peak # 5	B	452428510002	0.7018	0.01	0.11	176%			
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	452428510002	9.506	ND	0.22	78%	0.50		u
Aroclor-1260 Peak # 1	B	452428510002	45.77	0.46	0.34	30%			
Aroclor-1260 Peak # 2	B	452428510002	11.07	0.11	ND				
Aroclor-1260 Peak # 3	B	452428510002	8.555	0.09	0.12	31%			
Aroclor-1260 Peak # 4	B	452428510002	-4.544	ND	0.74	226%			
Aroclor-1260 Peak # 5	B	452428510002	-13.33	ND	ND	-19%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B	452490110001	6.301	ND	ND	132%	0.50		?v u
Aroclor-1268 Peak # 1	B	452490110001	8.244	0.08	0.08	6%			
Aroclor-1268 Peak # 2	B	452490110001	16.04	0.16	1.05	147%			
Aroclor-1268 Peak # 3	B	452490110001	3.913	0.04	0.26	147%			
Aroclor-1268 Peak # 4	B	452490110001	0.2893	0.00	ND				
Aroclor-1268 Peak # 5	B	452490110001	3.016	0.03	0.14	130%			

Surrogate	Ch	Cal	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	452428510002	33.07	0.5000	0.3307	66	19-121	u
Decachlorobiphenyl (PCB)	B	452428510002	28.87	0.5000	0.2887	58	19-121	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_120622001)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4549134	5508167	21.08
1-bromo-2-nitrobenzene (PCB)	A	1091103	1282721	17.56

ISTD (ICAL gc06_120622005)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	4929107	5507910	11.74
1-bromo-2-nitrobenzene (1268)	A	1140077	1411259	23.79

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_120622001)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.17	4.17	0.00

ISTD (ICAL gc06_120622005)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (1268)	A	4.17	4.17	0.00

TJW 12/06/22 : Sample extracted out of HT

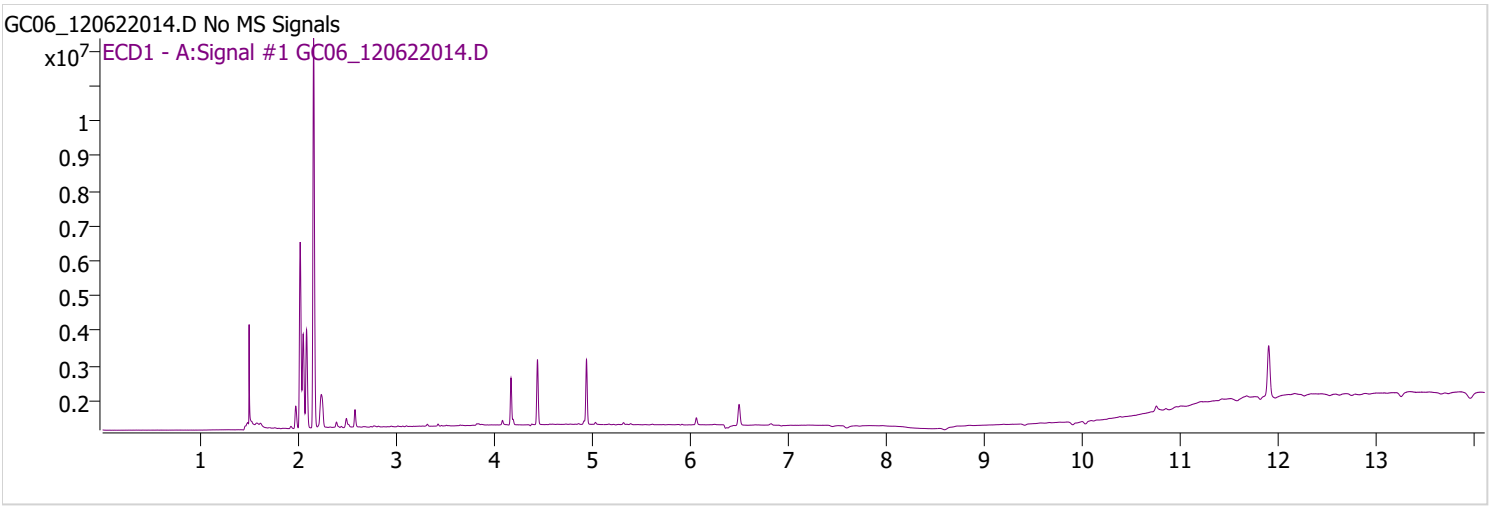
?=missing u=use v=ICV out x=false positive

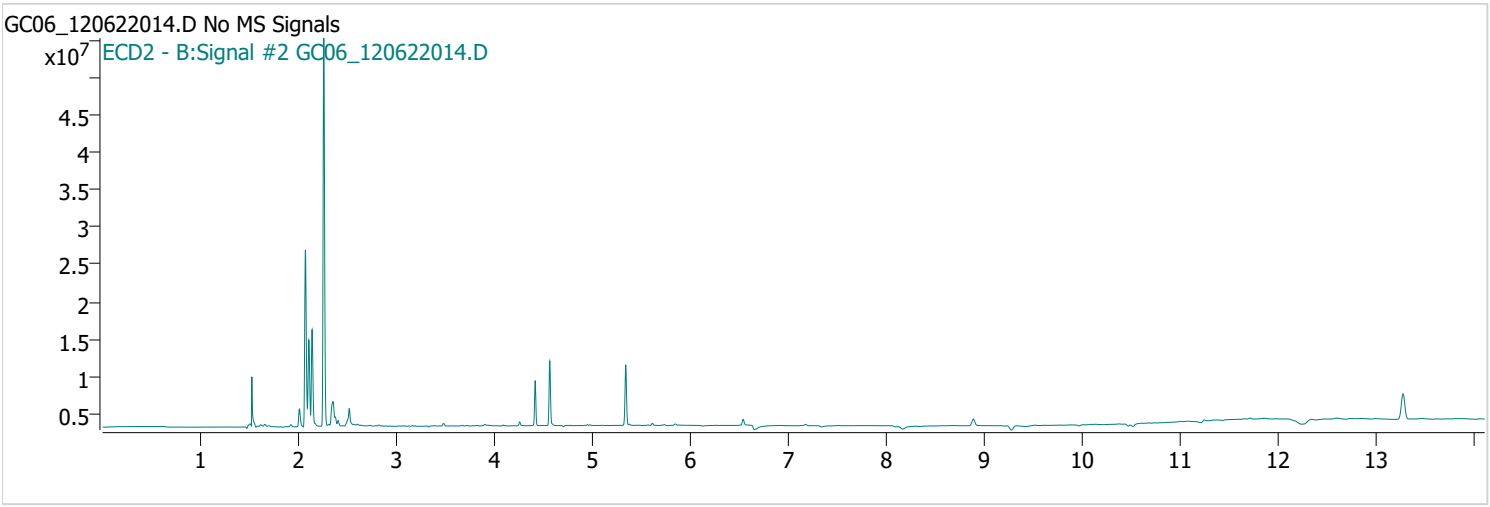
Analyst: TJW 12/06/22 *

Reviewer: LW 12/08/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC06_120622014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 12:32:51 PM
Sample Name	473364-007, 302486, 1	Instrument	SVOA-GC06
Vial	9	Multiplier	1.00
DA Method File	PCB_AR1268_120622_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_AR1268.batch.bin	Last Calib Update	12/6/2022 3:56:13 PM
Ref Library			



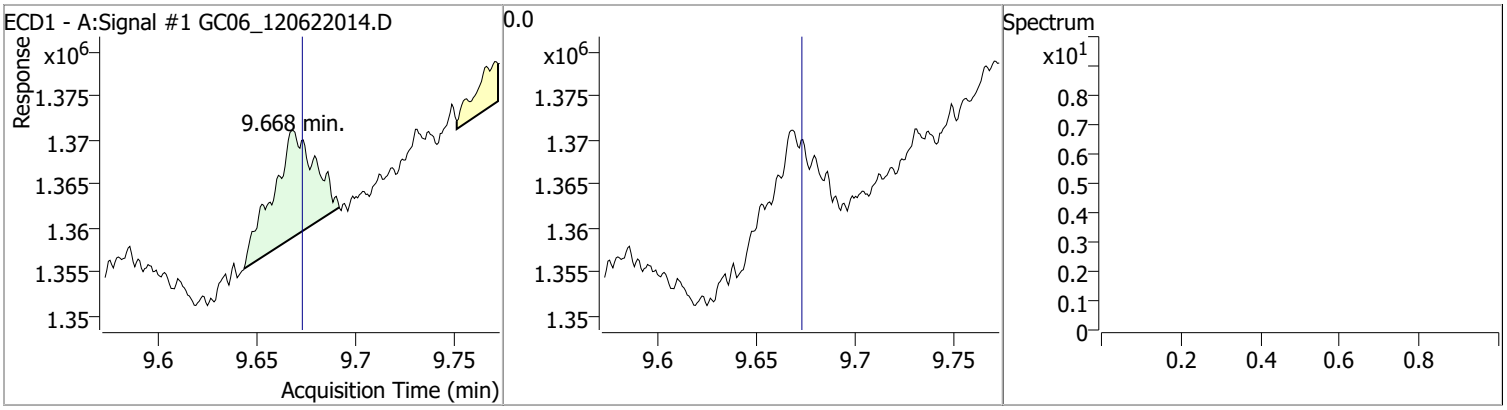


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.172	0.0	1411258.592	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (1268) #2	4.419	0.0	5507910.452	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	9.668	0.0	17797.848	7.7631	ng/ml	100
T AR1268 2	10.005	0.0	314302.189	105.3677	ng/ml	100
T Aroclor-1268	10.530	0.0	270887.668	23.4206	ng/ml	
T AR1268 1 #2	10.686	0.0	54899.991	8.2444	ng/ml	100
T AR1268 3	10.763	0.0	301044.805	25.8391	ng/ml	100
T AR1268 4	0.000		0	N.D.		
T AR1268 2 #2	11.007	0.0	131024.224	16.0438	ng/ml	100
T AR1268 3 #2	11.658	0.0	126037.951	3.9130	ng/ml	100
T AR1268 5	11.684	0.0	450405.829	14.2128	ng/ml	100
T Aroclor-1268 #2	11.649	0.0	117236.504	3.6275	ng/ml	
T AR1268 4 #2	12.033	0.0	7563.733	0.2893	ng/ml	100

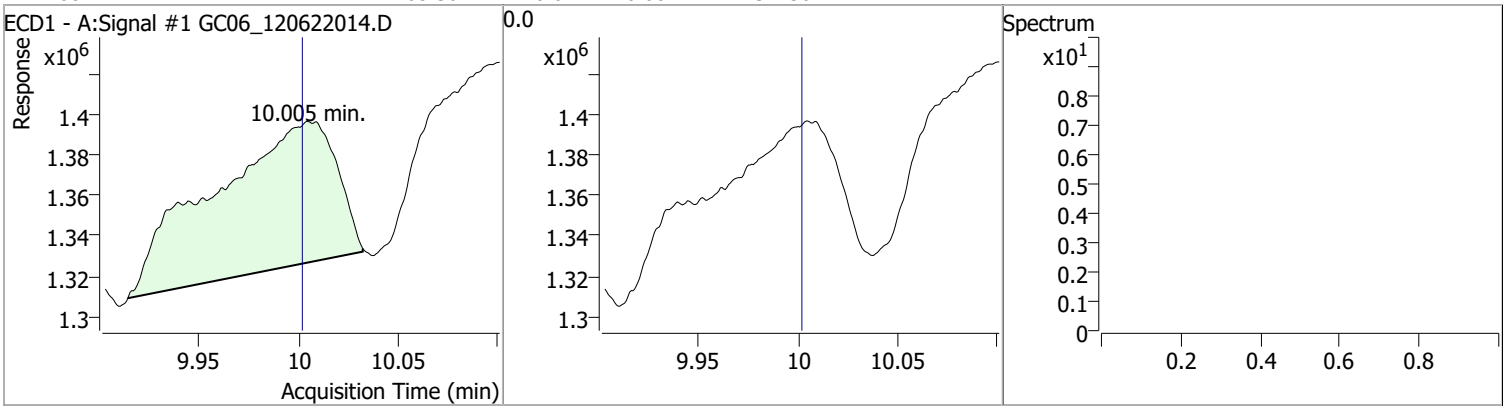
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 5 #2	12.859	0.0	266656.619	3.0161	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

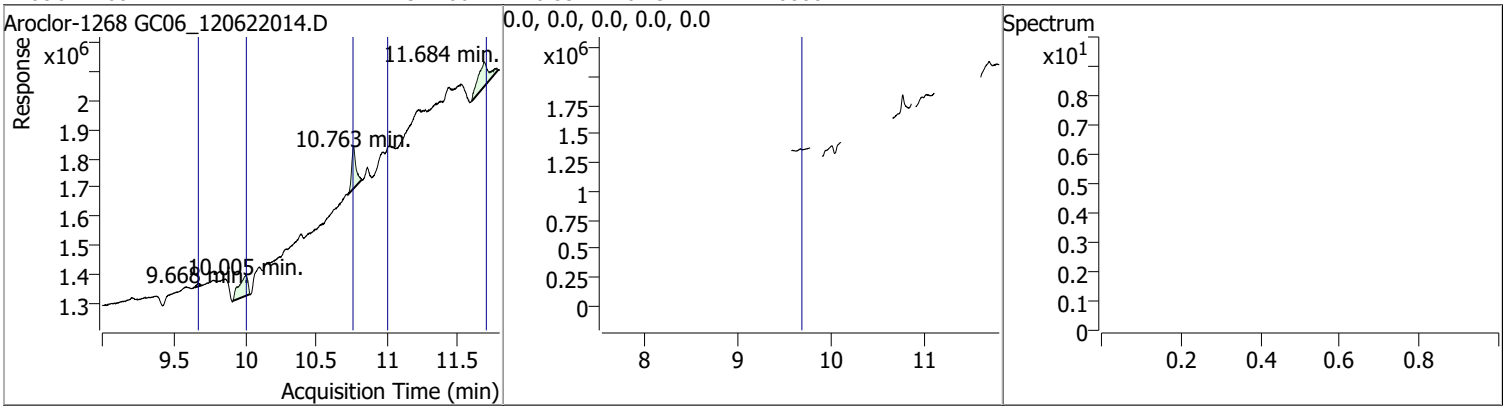
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	7.7631	9.67	-0.01	17798				



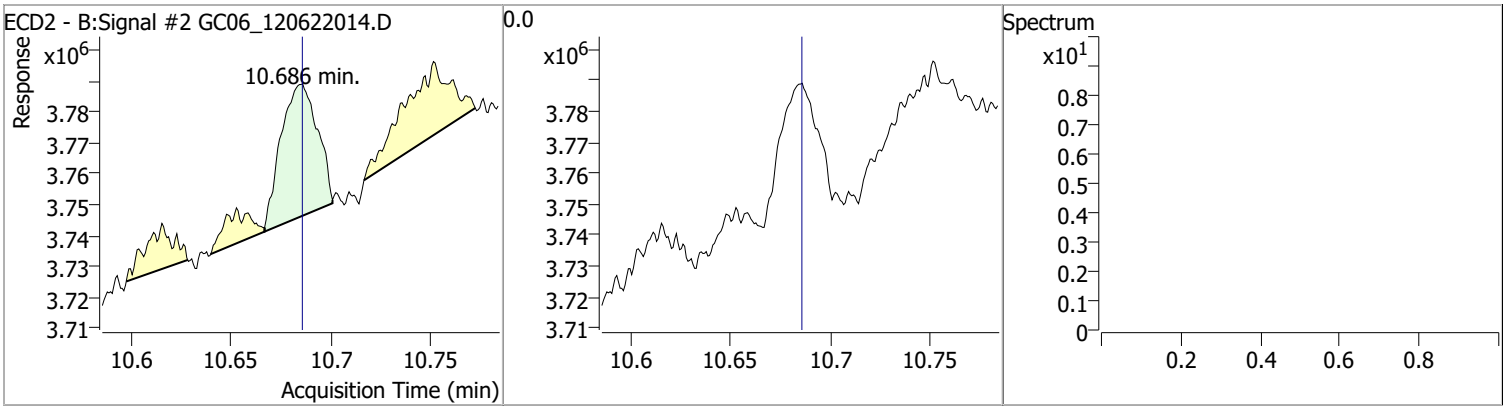
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	105.3677	10.01	0.00	314302				



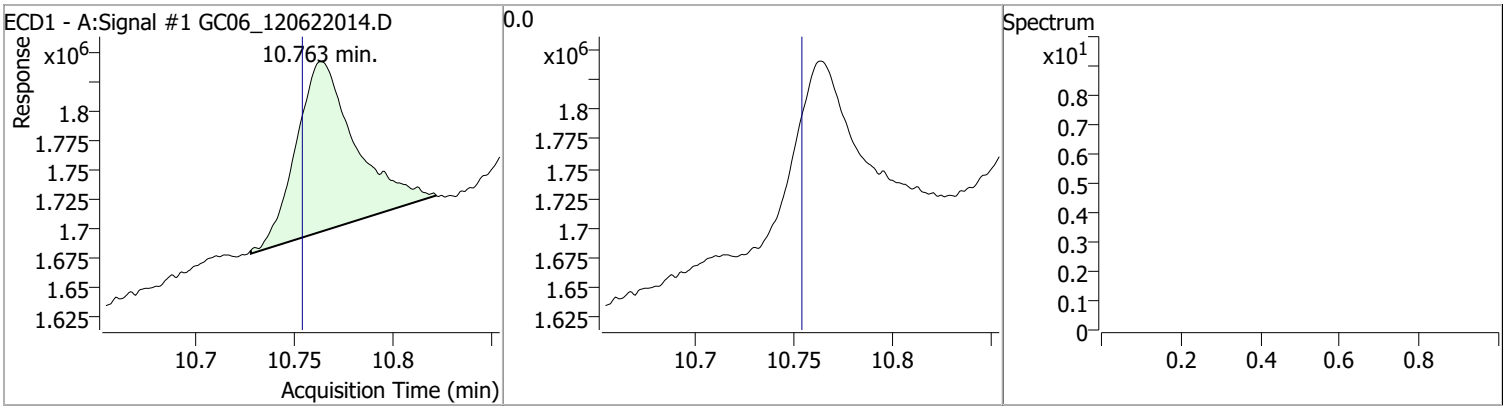
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	23.4206	10.53	0.13	270888				



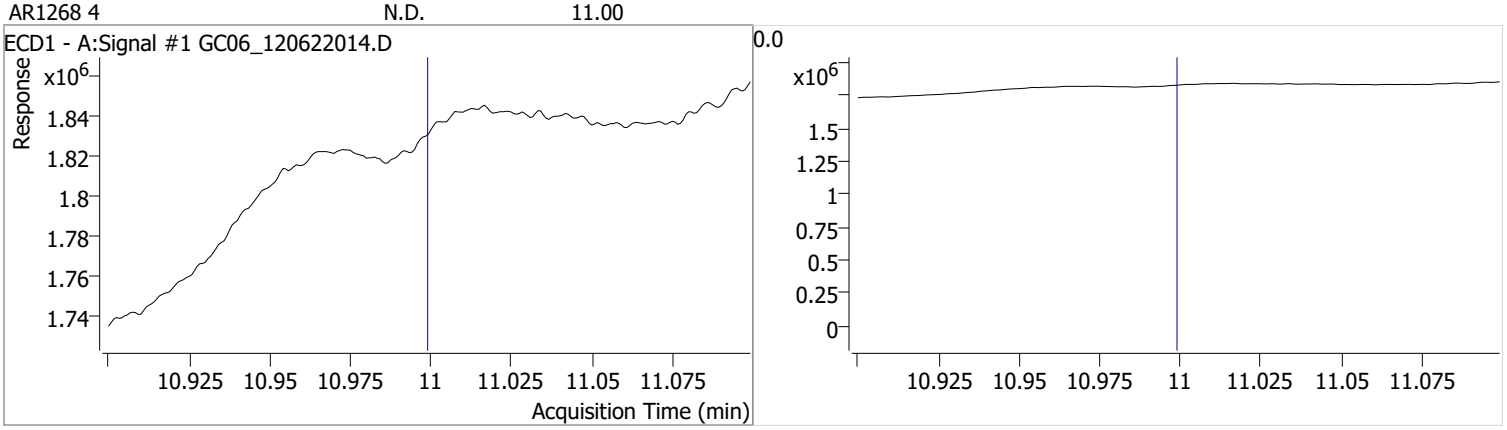
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	8.2444	10.69	0.00	54900				



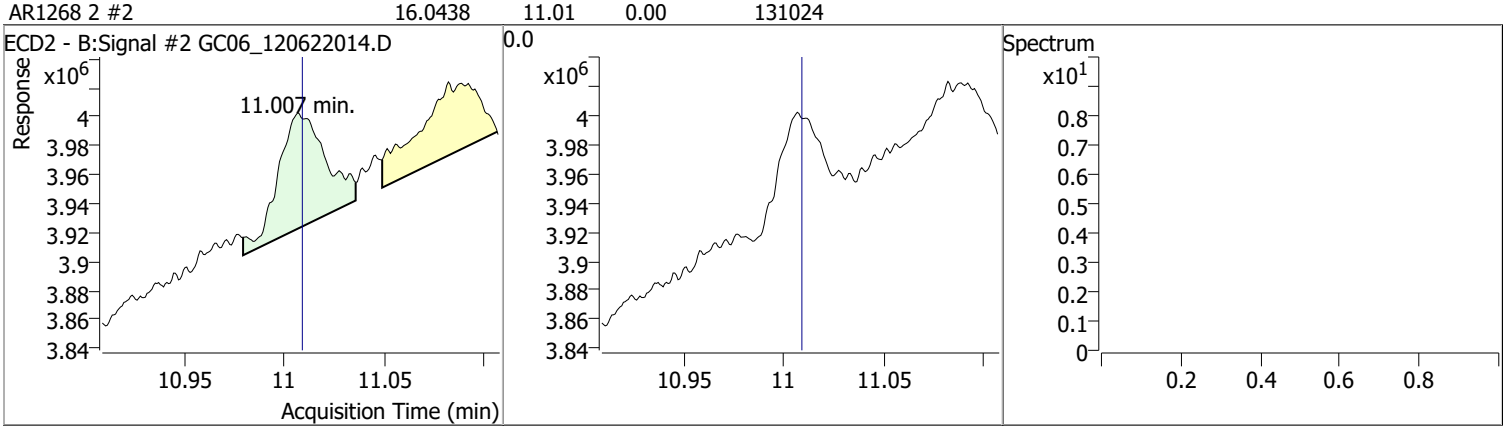
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	25.8391	10.76	0.01	301045				



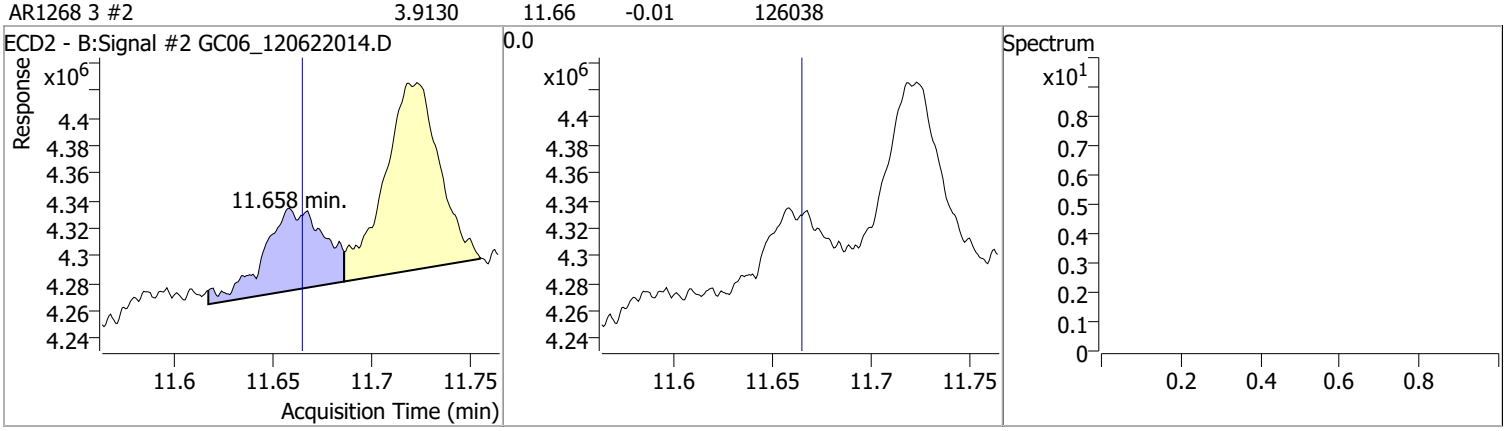
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1268 4	N.D.	11.00		



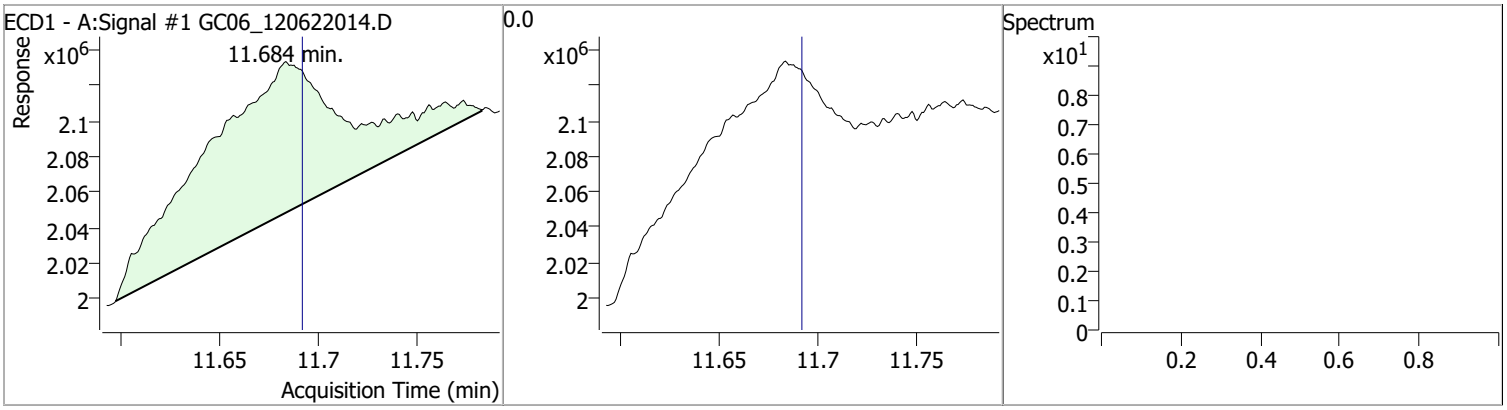
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	16.0438	11.01	0.00	131024				



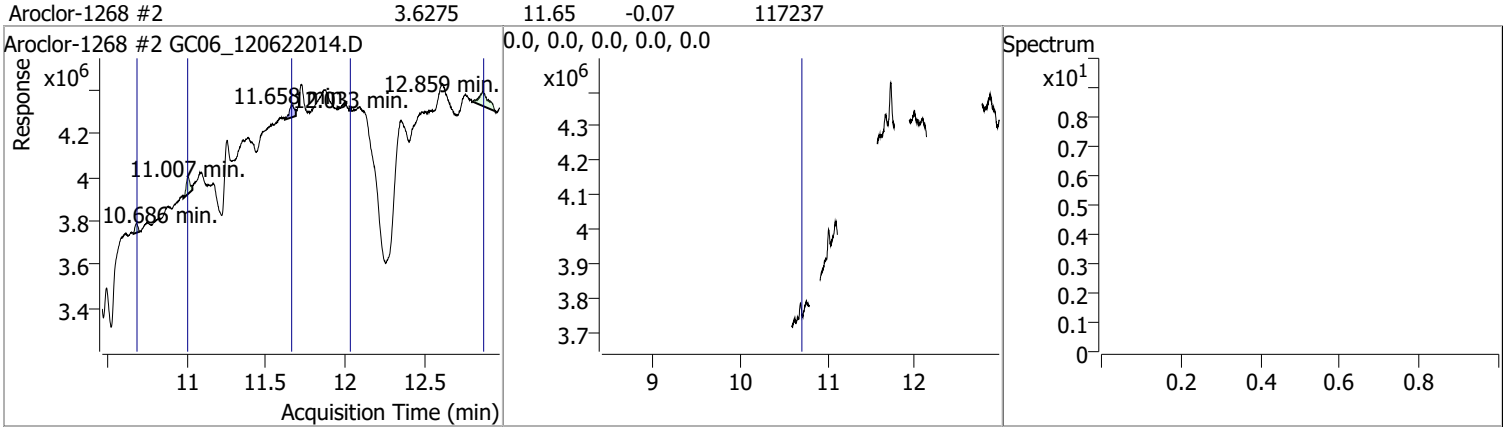
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	3.9130	11.66	-0.01	126038				



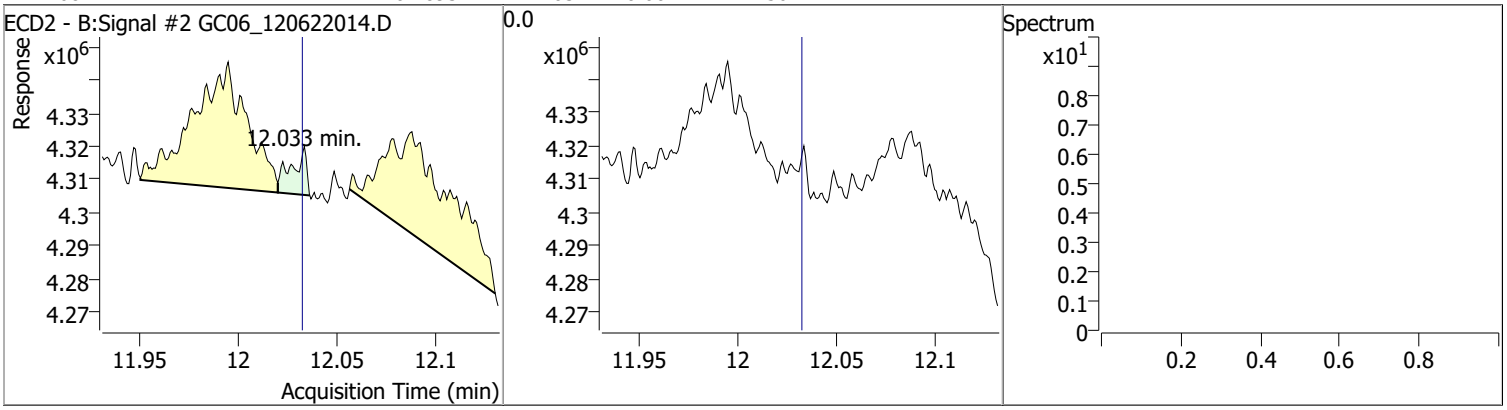
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	14.2128	11.68	-0.01	450406				



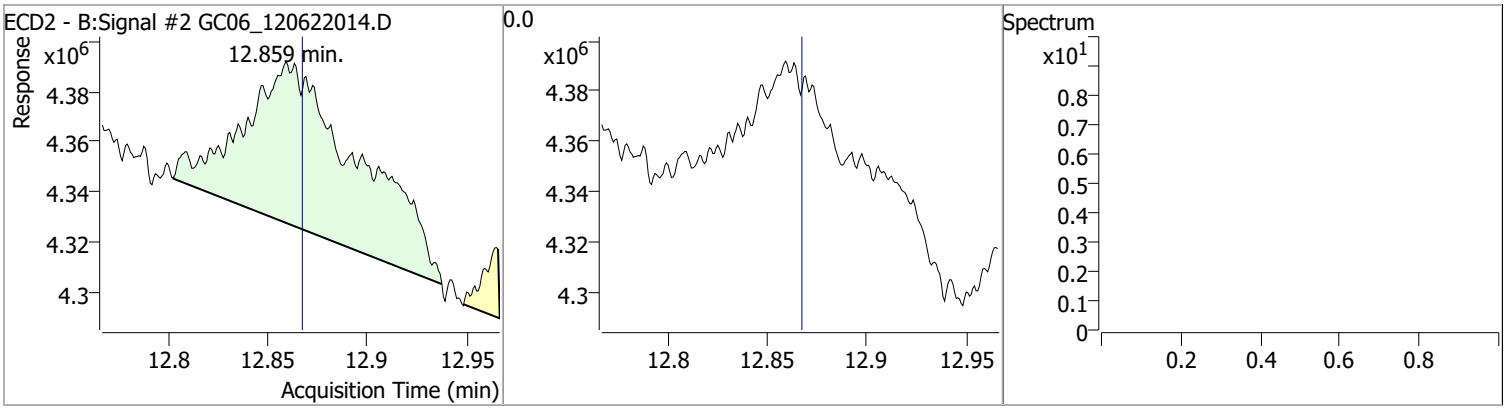
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	3.6275	11.65	-0.07	117237				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	0.2893	12.03	0.00	7564				

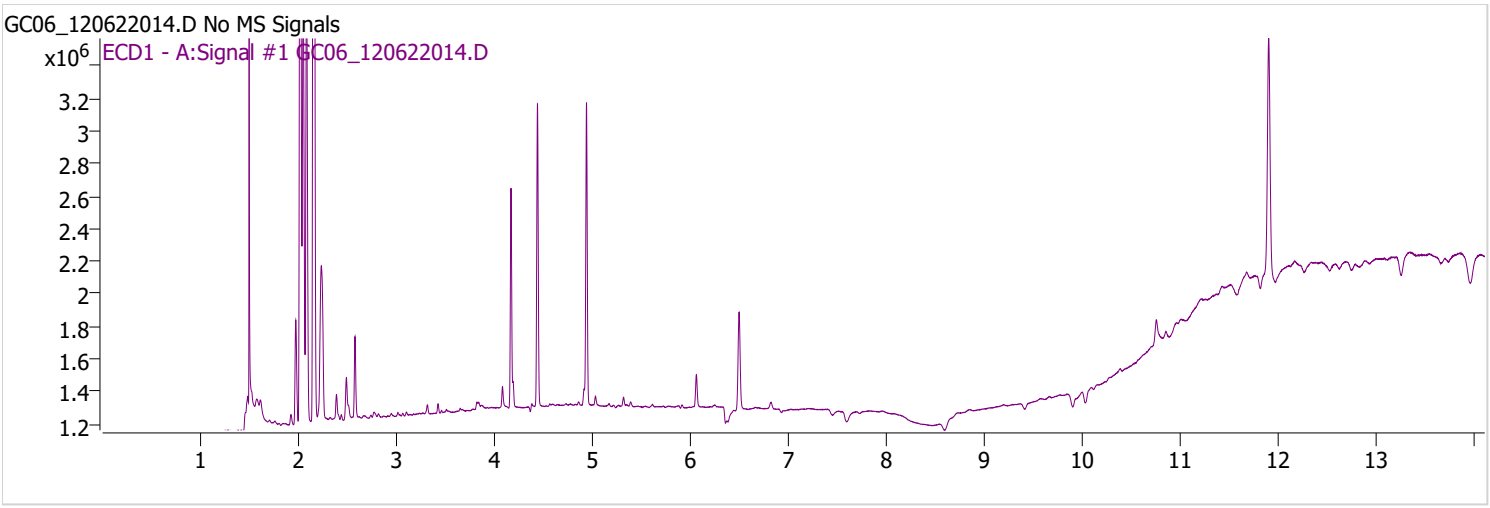


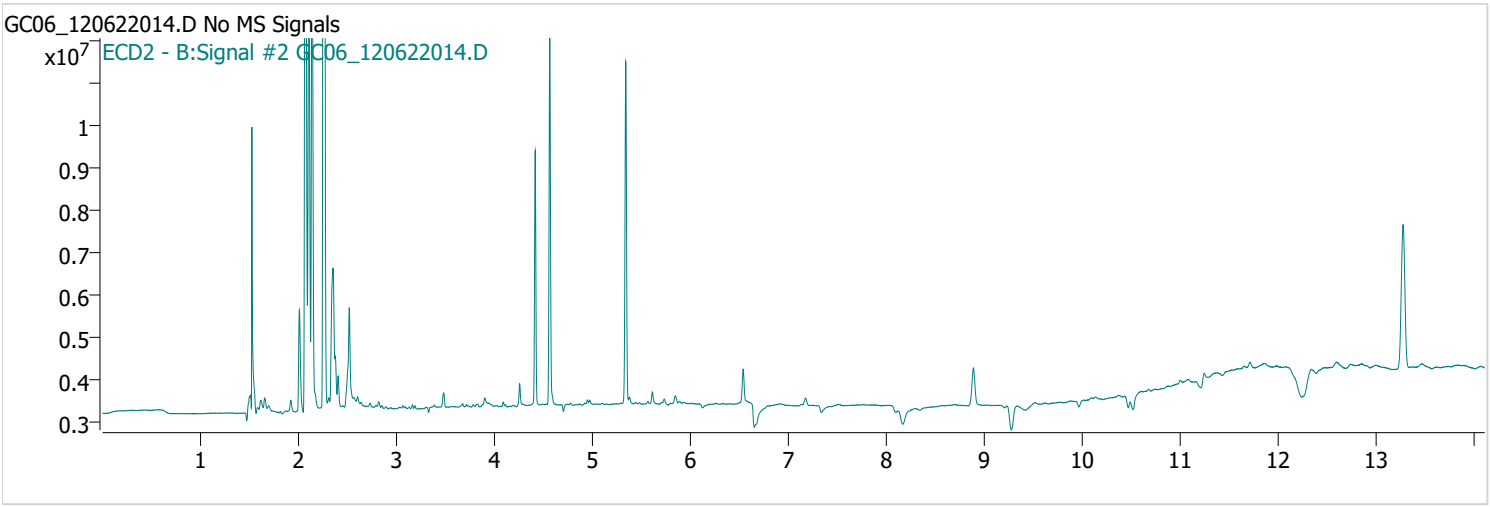
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	3.0161	12.86	-0.01	266657				



Quantitation Results Report (Not Reviewed)

Data File	GC06_120622014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 12:32:51 PM
Sample Name	473364-007, 302486, 1	Instrument	SVOA-GC06
Vial	9	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_9.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



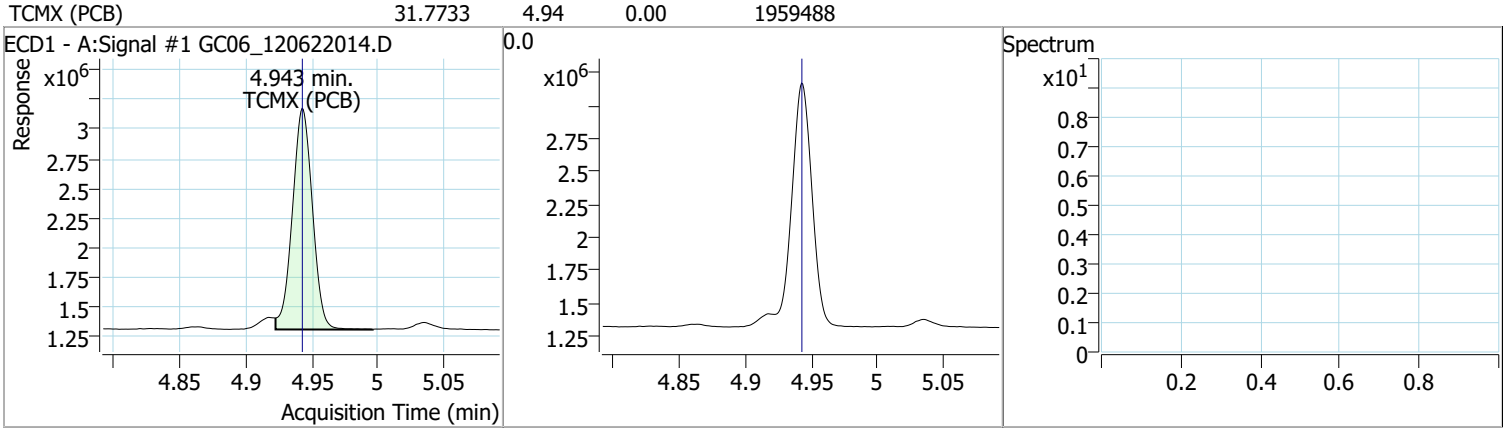


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.172	0.0	1282721.499	20.0000	ng/ml		-0.004
M 1-bromo-2-nitrobenzene (PCB) #2	4.419	0.0	5508167.448	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	1959487.719	31.7733	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 158.87%		*	
S TCMX (PCB) #2	5.343	0.0	8749275.838	33.0752	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.38%		*	
S Decachlorobiphenyl (PCB)	11.911	0.0	2859386.628	32.4571	ng/ml		-0.012
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.29%		*	
S Decachlorobiphenyl (PCB) #2	13.284	0.0	8680104.558	28.8687	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 144.34%			
Target Compounds							QValue

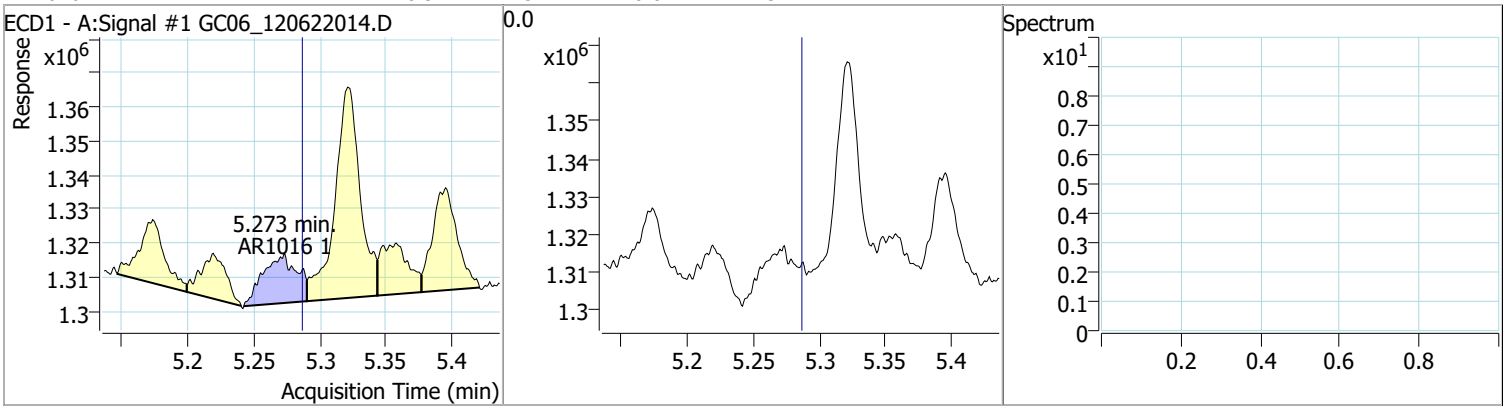
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.273	0.0	25477.200	18.9444	ng/ml	100
T AR1016 2	5.616	0.0	29559.155	0.0000	ng/ml	100
T AR1016 1 #2	5.848	0.0	380386.751	66.4459	ng/ml	100
T AR1016 3	6.065	0.0	253870.010	74.4548	ng/ml	100
T AR1016 4	6.253	0.0	719272.984	277.3582	ng/ml	100
T AR1016 2 #2	6.262	0.0	436670.937	52.8405	ng/ml	100
T AR1016 5	6.665	0.0	22838.823	10.9340	ng/ml	100
T AR1016 3 #2	6.929	0.0	2446084.434	162.9022	ng/ml	100
T AR1016 4 #2	6.929	0.0	219184.940	20.4467	ng/ml	100
T AR1016 5 #2	7.694	0.0	6114.830	0.7018	ng/ml	100
T AR1260 1	8.548	0.0	146622.922	33.8082	ng/ml	100
T AR1260 2	0.000		0	N.D.		
T AR1260 3	9.586	0.0	80542.321	11.6574	ng/ml	100
T AR1260 1 #2	9.893	0.0	750298.549	45.7716	ng/ml	100
T AR1260 4	10.005	0.0	325896.757	73.8655	ng/ml	100
T AR1260 2 #2	10.146	0.0	218067.822	11.0719	ng/ml	100
T AR1260 5	10.392	0.0	54626.854	0.0000	ng/ml	100
T AR1260 3 #2	10.498	0.0	213276.222	8.5549	ng/ml	100
T AR1260 4 #2	11.007	0.0	261474.065	0.0000	ng/ml	100
T AR1260 5 #2	11.658	0.0	110624.115	0.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

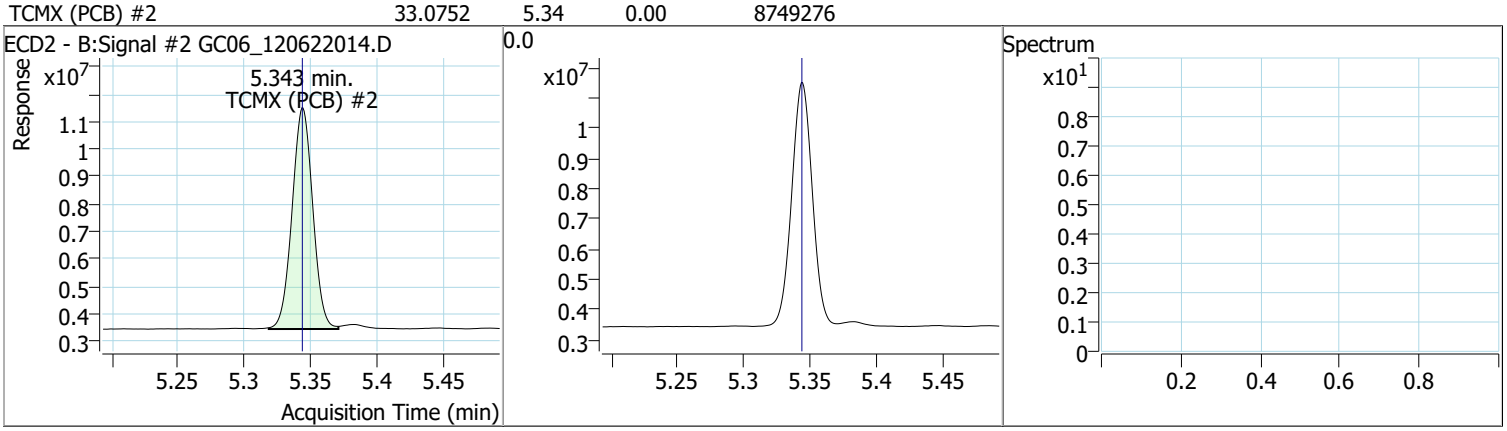
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.7733	4.94	0.00	1959488				



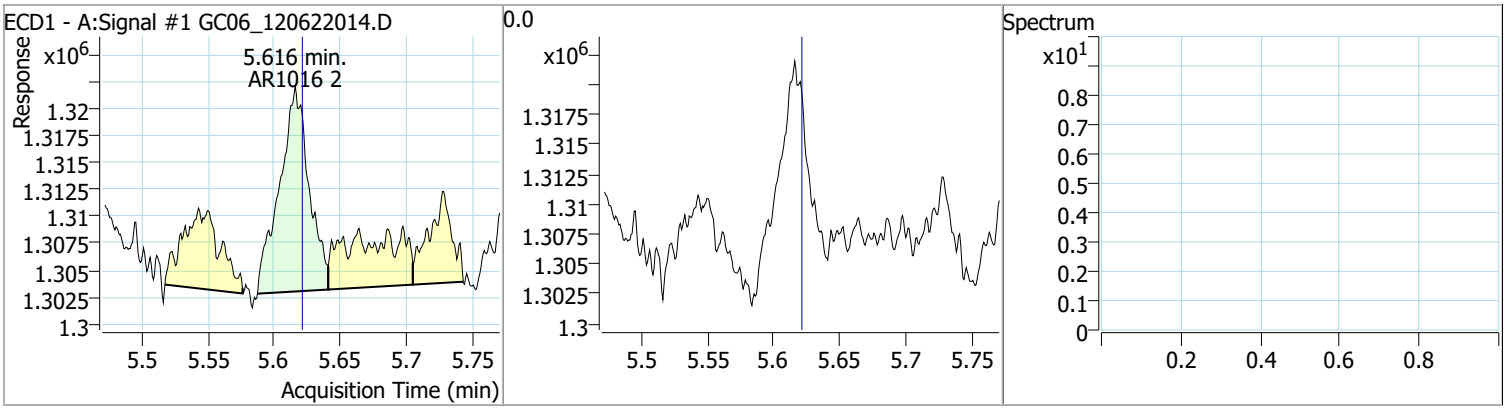
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	18.9444	5.27	-0.02	25477				



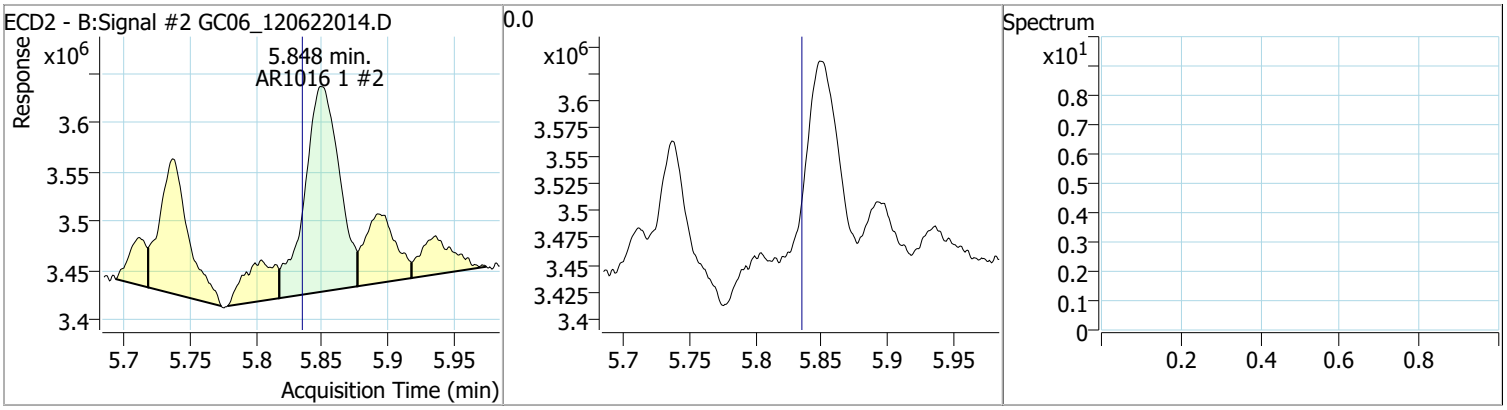
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.0752	5.34	0.00	8749276				



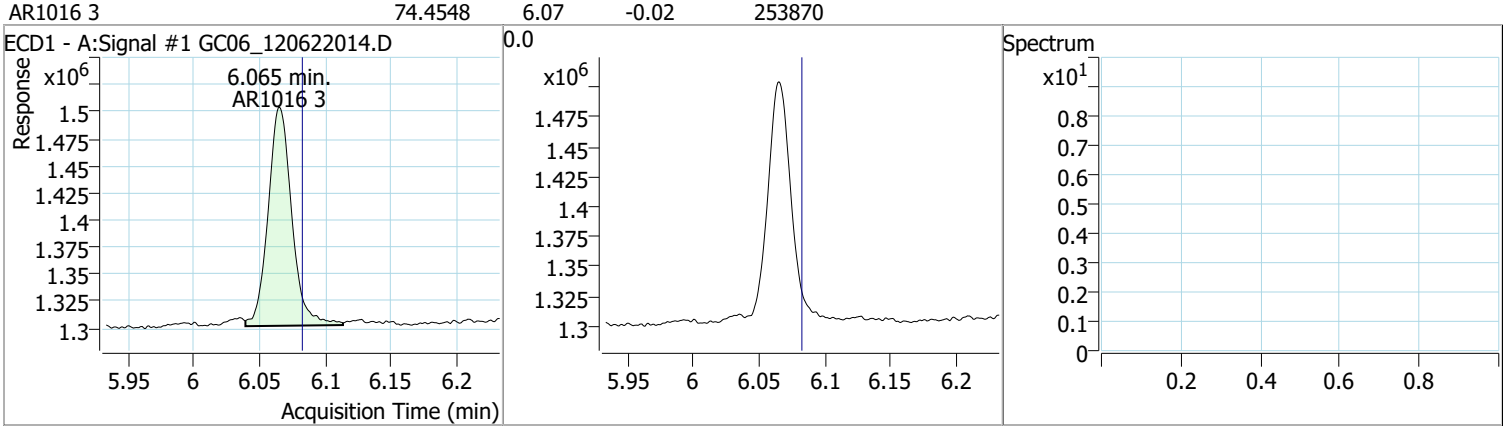
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.62	-0.01	29559				



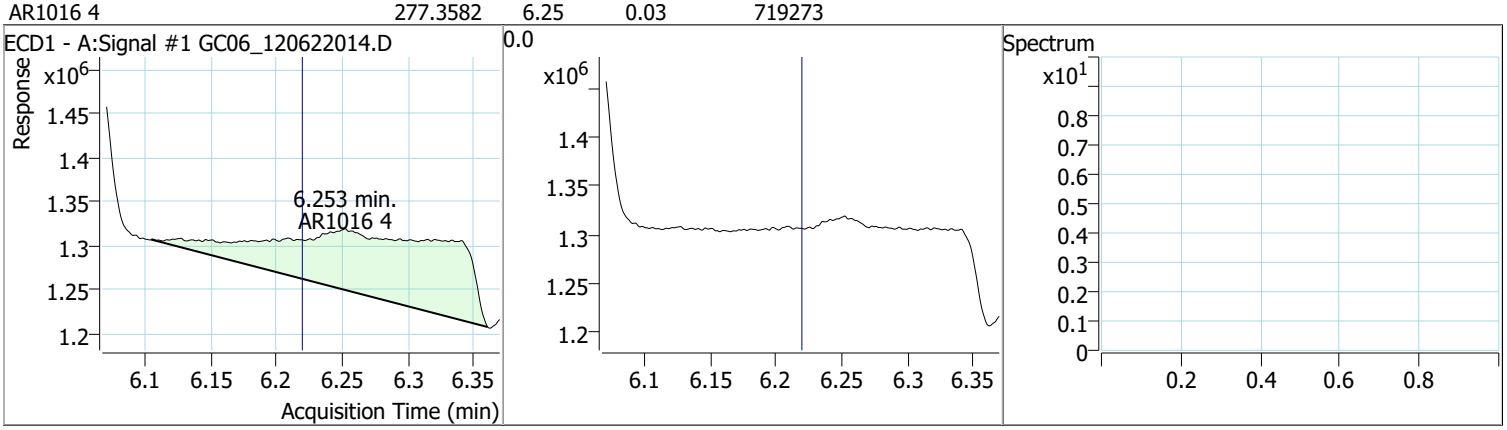
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	66.4459	5.85	0.01	380387				



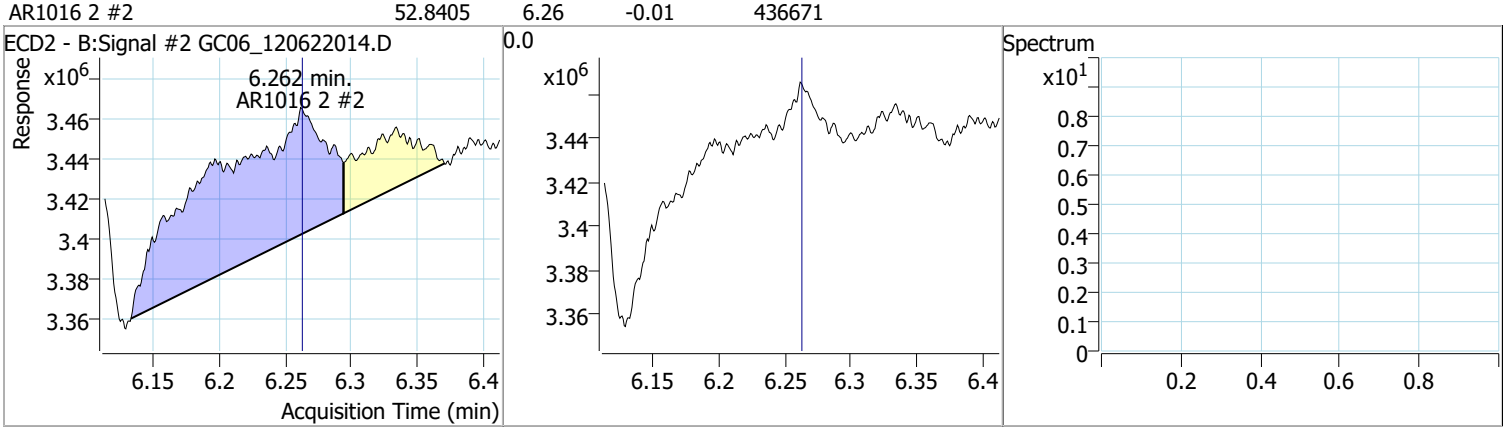
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	74.4548	6.07	-0.02	253870				



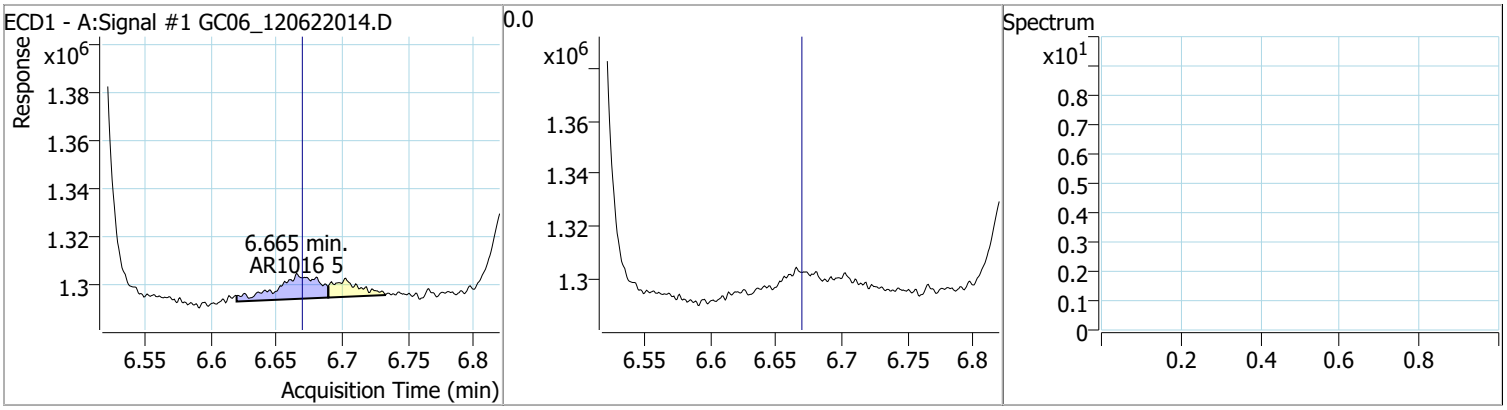
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	277.3582	6.25	0.03	719273				



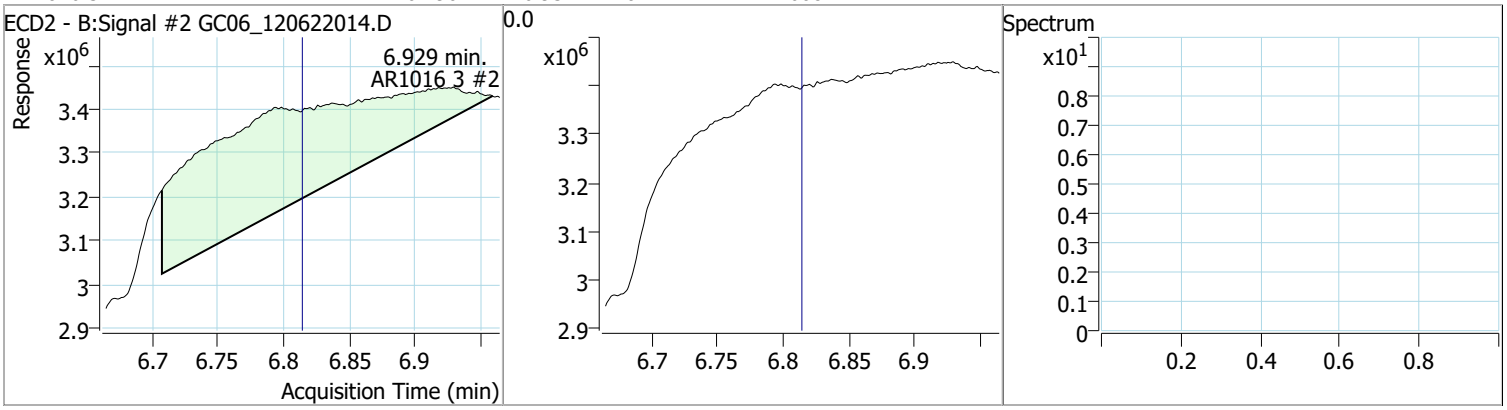
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	52.8405	6.26	-0.01	436671				



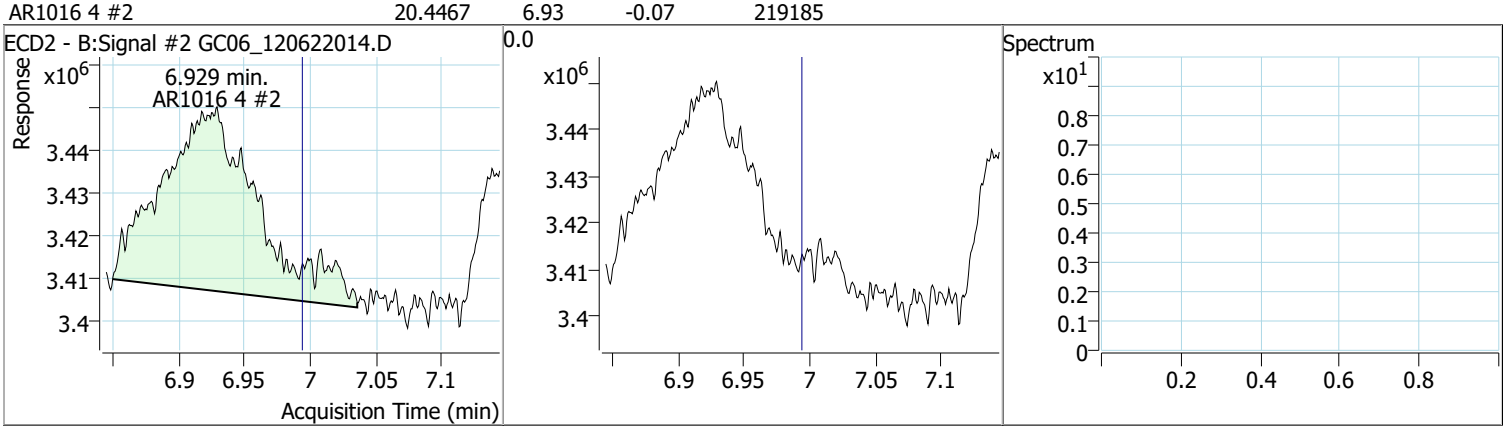
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	10.9340	6.67	-0.01	22839				



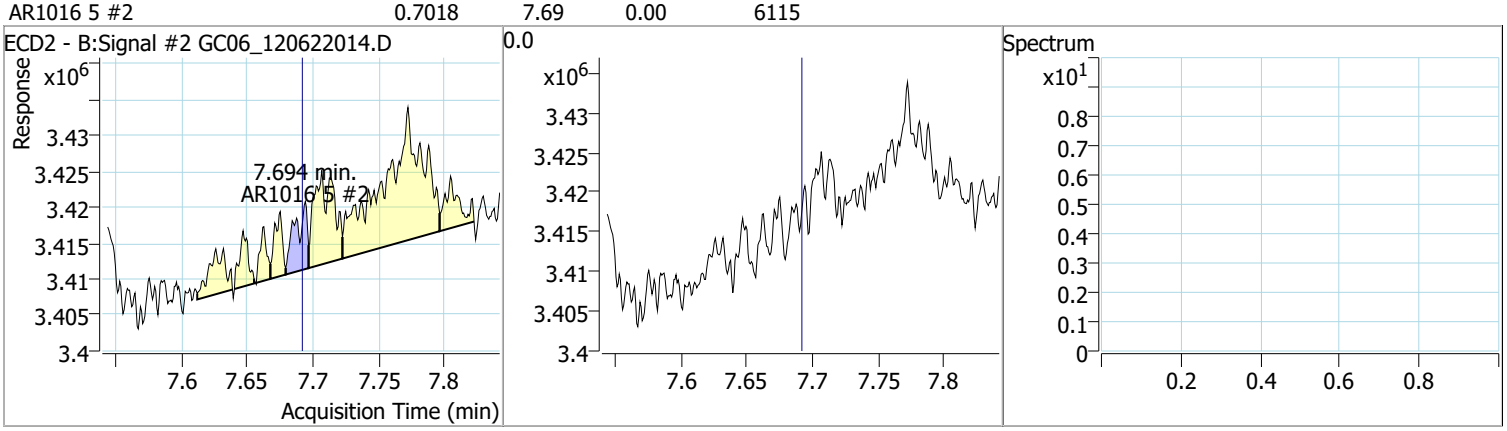
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	162.9022	6.93	0.11	2446084				



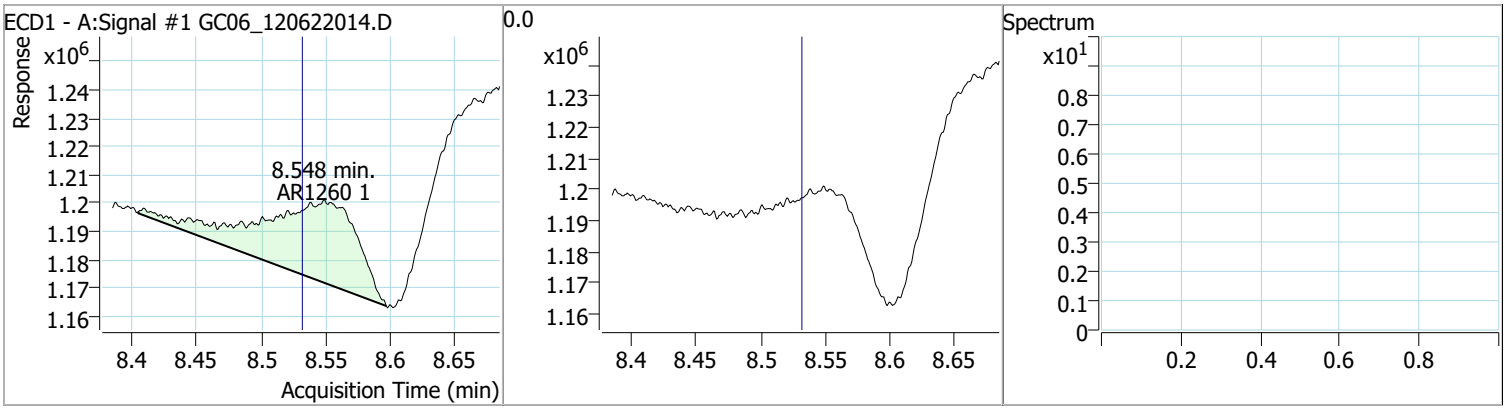
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	20.4467	6.93	-0.07	219185				



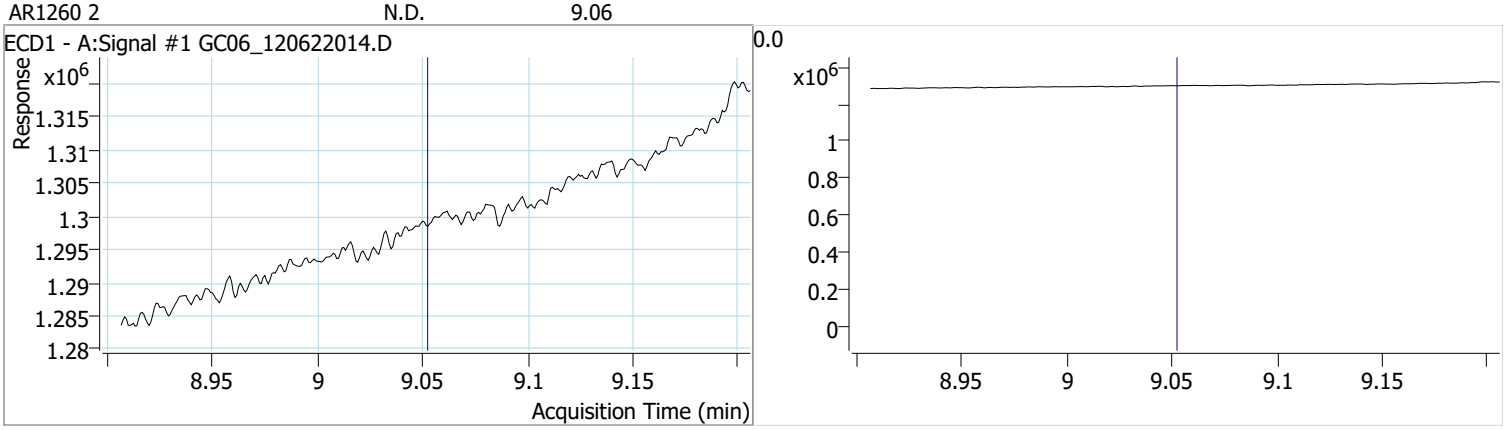
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.7018	7.69	0.00	6115				



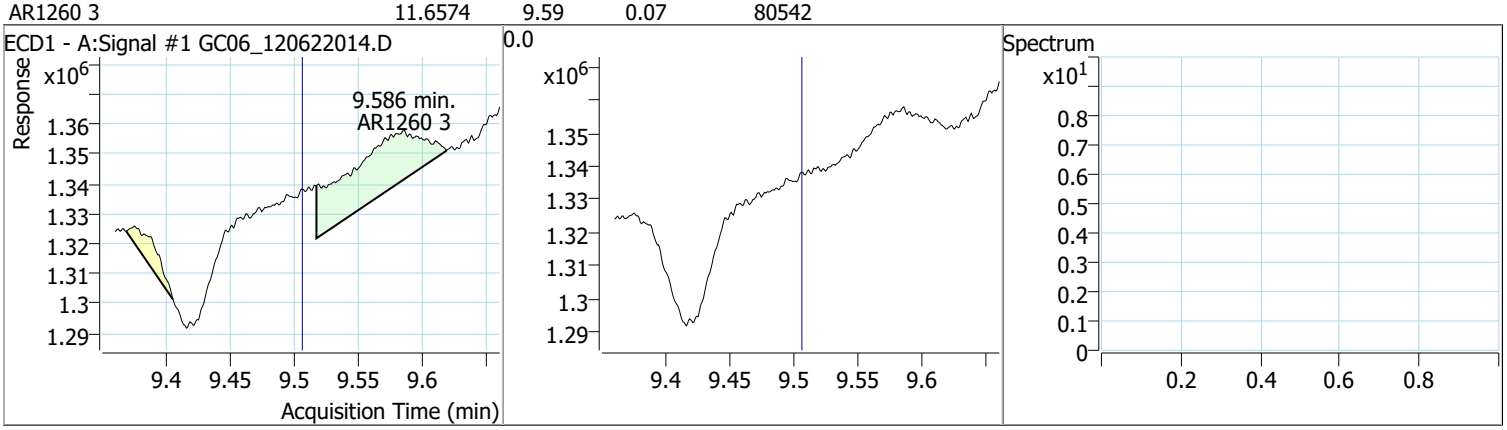
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	33.8082	8.55	0.01	146623				



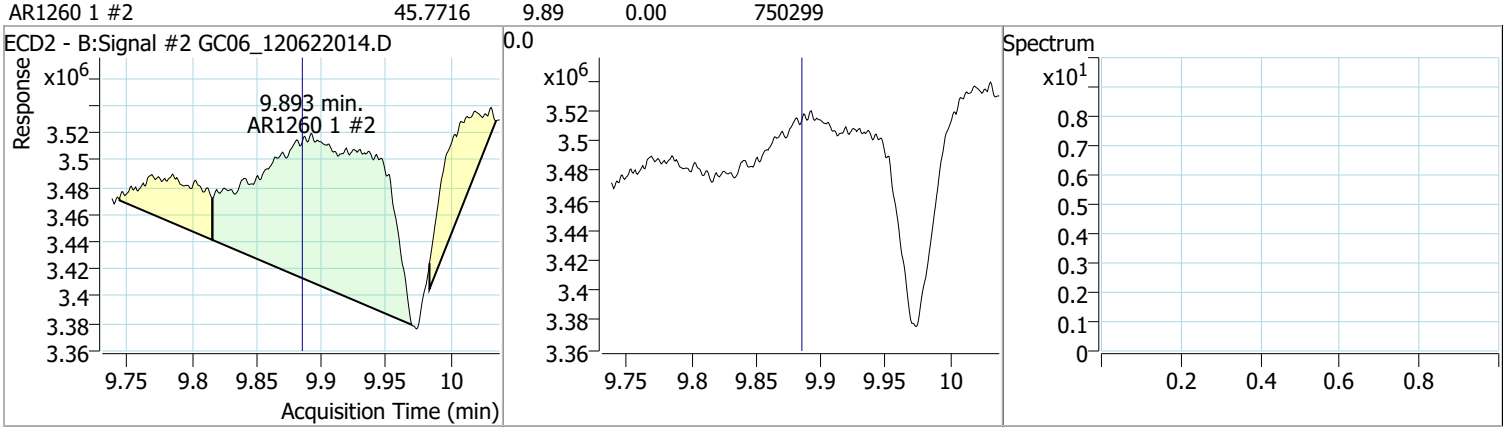
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 2	N.D.	9.06		



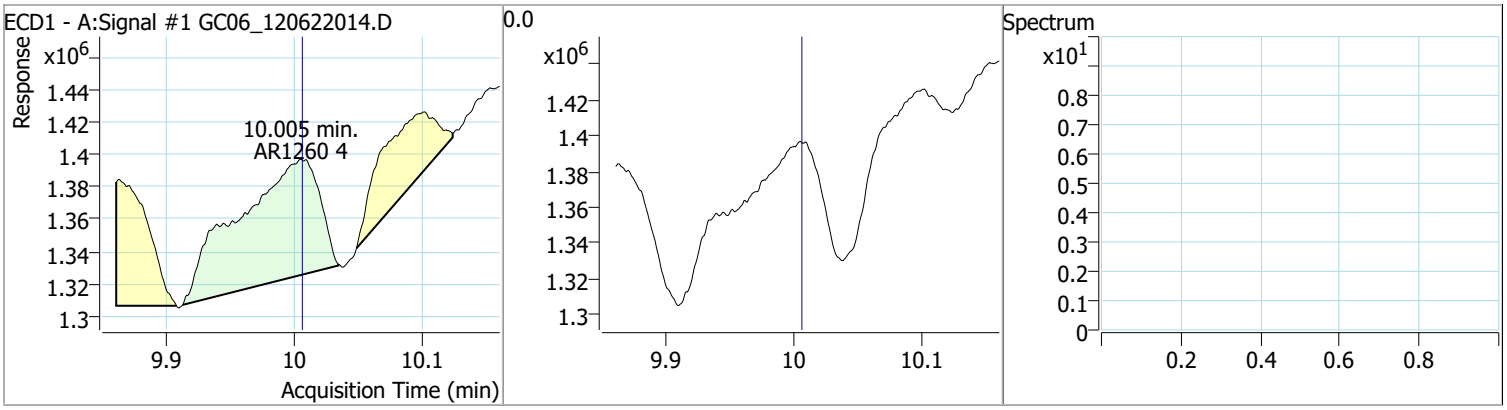
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	11.6574	9.59	0.07	80542				



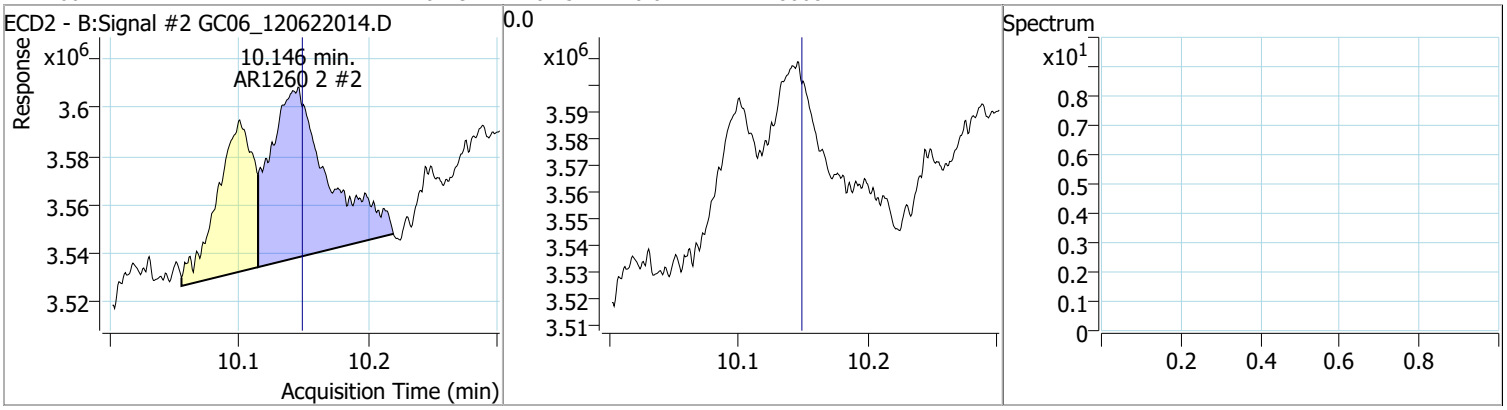
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	45.7716	9.89	0.00	750299				



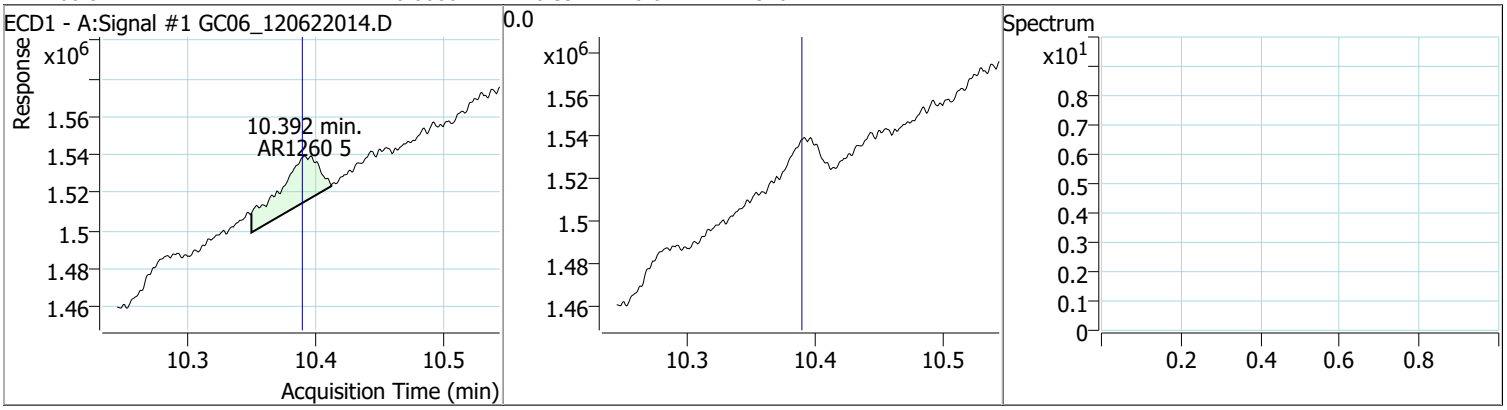
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	73.8655	10.01	-0.01	325897				



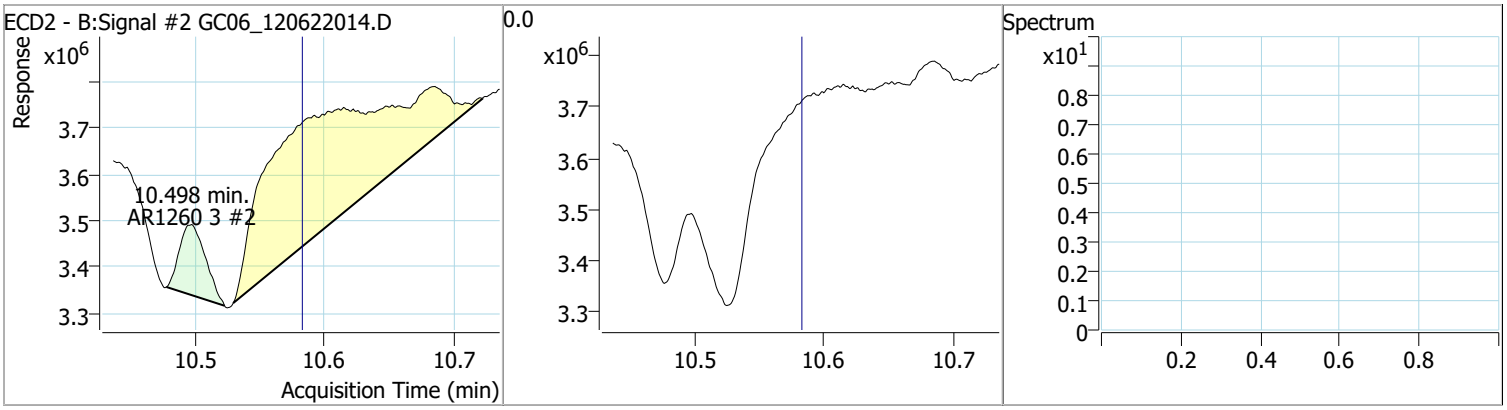
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	11.0719	10.15	-0.01	218068				



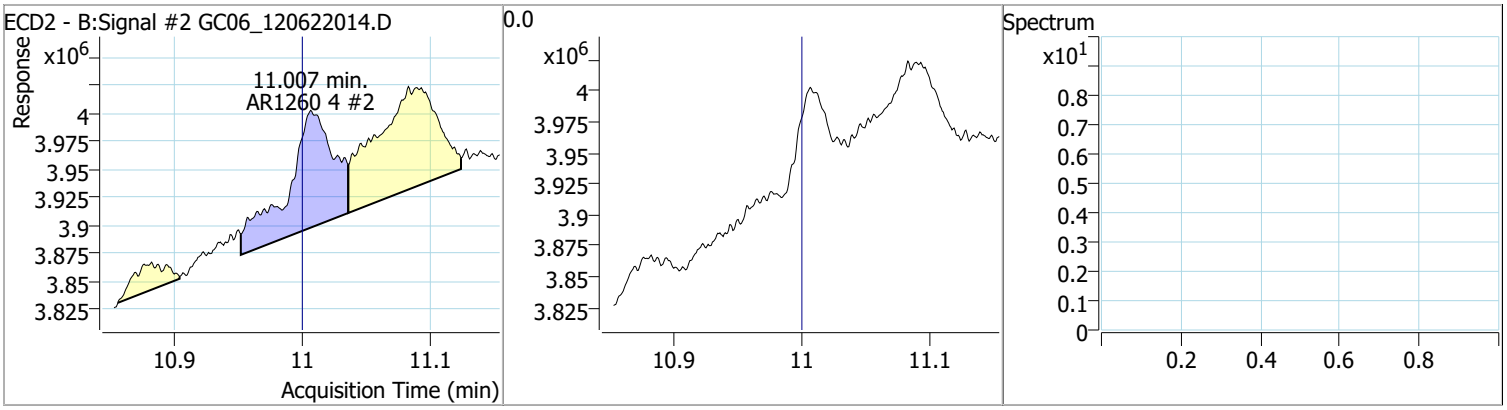
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	0.0000	10.39	-0.01	54627				



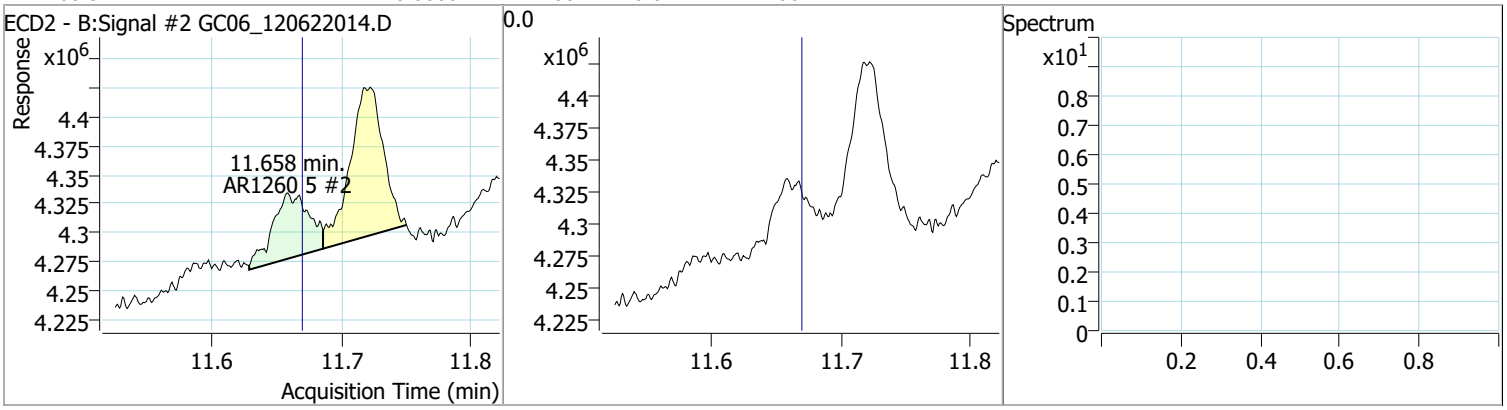
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	8.5549	10.50	-0.09	213276				



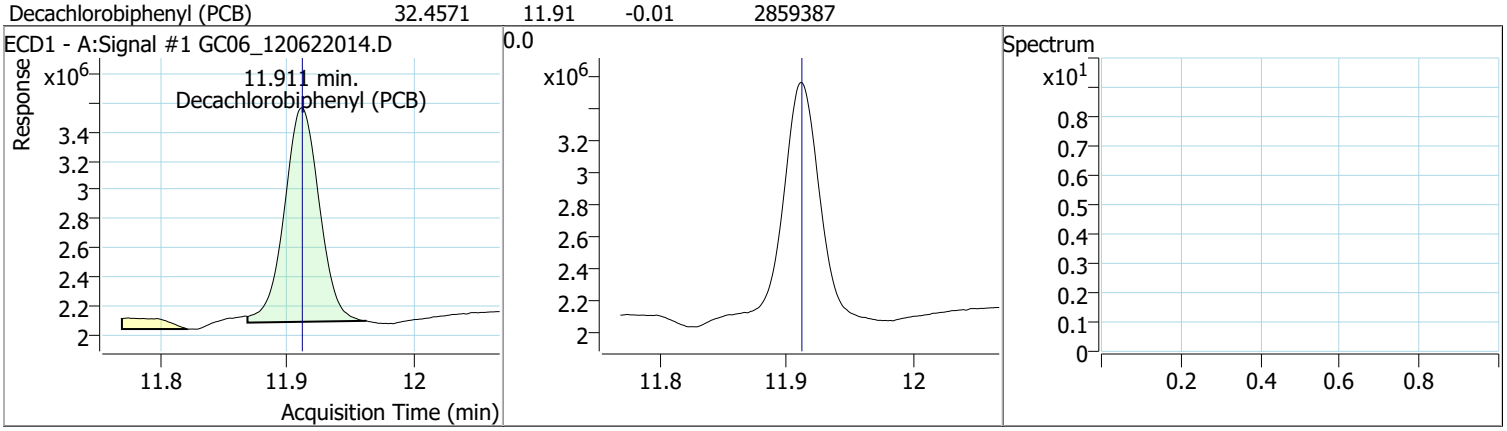
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.01	0.00	261474				



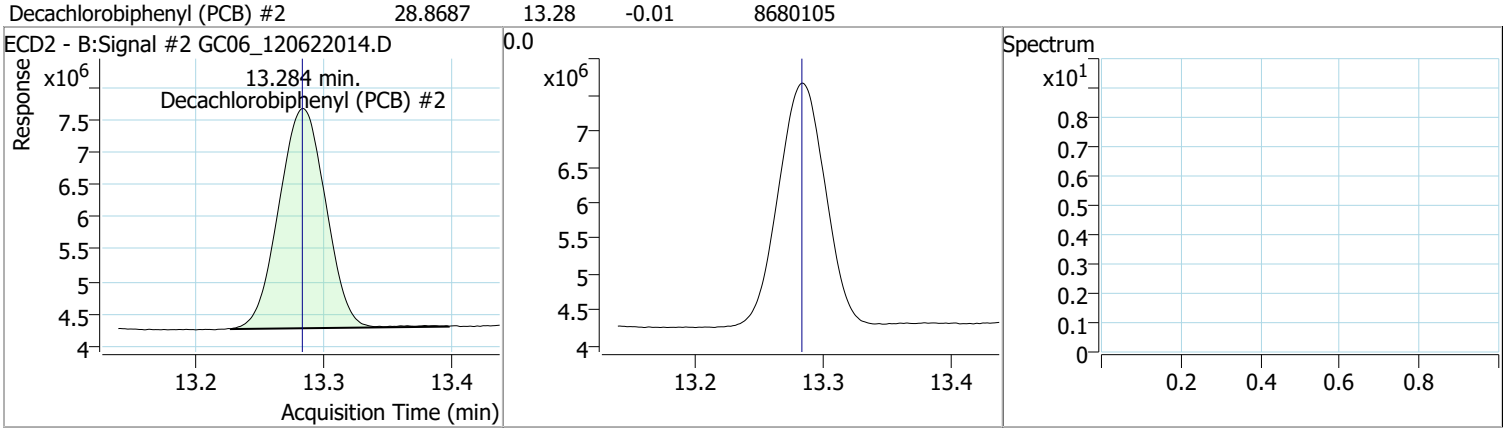
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.0000	11.66	-0.02	110624				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	32.4571	11.91	-0.01	2859387				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.8687	13.28	-0.01	8680105				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	473364-009	Client ID:	AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA-SL6
Seqnum:	452490110015.3	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_120622015	Batch:	302486	Time:	06-DEC-2022 12:51
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	452428510002	65.85	~~0.66~~ ~~FP~~	0.73	11%	0.50		x u
Aroclor-1016 Peak # 1	B	452428510002	79.68	0.80	0.27	98%			
Aroclor-1016 Peak # 2	B	452428510002	43.51	0.44	ND	230%			
Aroclor-1016 Peak # 3	B	452428510002	186.7	1.87	0.68	93%			
Aroclor-1016 Peak # 4	B	452428510002	14.75	0.15	2.56	178%			
Aroclor-1016 Peak # 5	B	452428510002	4.577	0.05	0.18	120%			
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	452428510002	10.18	ND	0.16	42%	0.50		u
Aroclor-1260 Peak # 1	B	452428510002	45.74	0.46	ND				
Aroclor-1260 Peak # 2	B	452428510002	13.18	0.13	0.02	152%			
Aroclor-1260 Peak # 3	B	452428510002	7.573	0.08	0.10	29%			
Aroclor-1260 Peak # 4	B	452428510002	-5.096	ND	0.63	235%			
Aroclor-1260 Peak # 5	B	452428510002	-10.50	ND	0.03	-368%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B	452490110001	8.547	ND	ND	129%	0.50		?v u
Aroclor-1268 Peak # 1	B	452490110001	16.02	0.16	0.16	1%			
Aroclor-1268 Peak # 2	B	452490110001	18.08	0.18	1.06	142%			
Aroclor-1268 Peak # 3	B	452490110001	4.803	0.05	0.28	142%			
Aroclor-1268 Peak # 4	B	452490110001	1.259	0.01	0.34	186%			
Aroclor-1268 Peak # 5	B	452490110001	2.574	0.03	0.14	139%			

Surrogate	Ch	Cal	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	452428510002	29.79	0.5000	0.2979	60	19-121	u
Decachlorobiphenyl (PCB)	A	452428510002	26.53	0.5000	0.2653	53	19-121	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_120622001)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4549134	5898532	29.66
1-bromo-2-nitrobenzene (PCB)	A	1091103	1380430	26.52

ISTD (ICAL gc06_120622005)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	4929107	5903731	19.77
1-bromo-2-nitrobenzene (1268)	A	1140077	1380566	21.09

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_120622001)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.17	4.17	0.00

ISTD (ICAL gc06_120622005)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (1268)	A	4.17	4.17	0.00

TJW 12/06/22 : Sample extracted out of HT

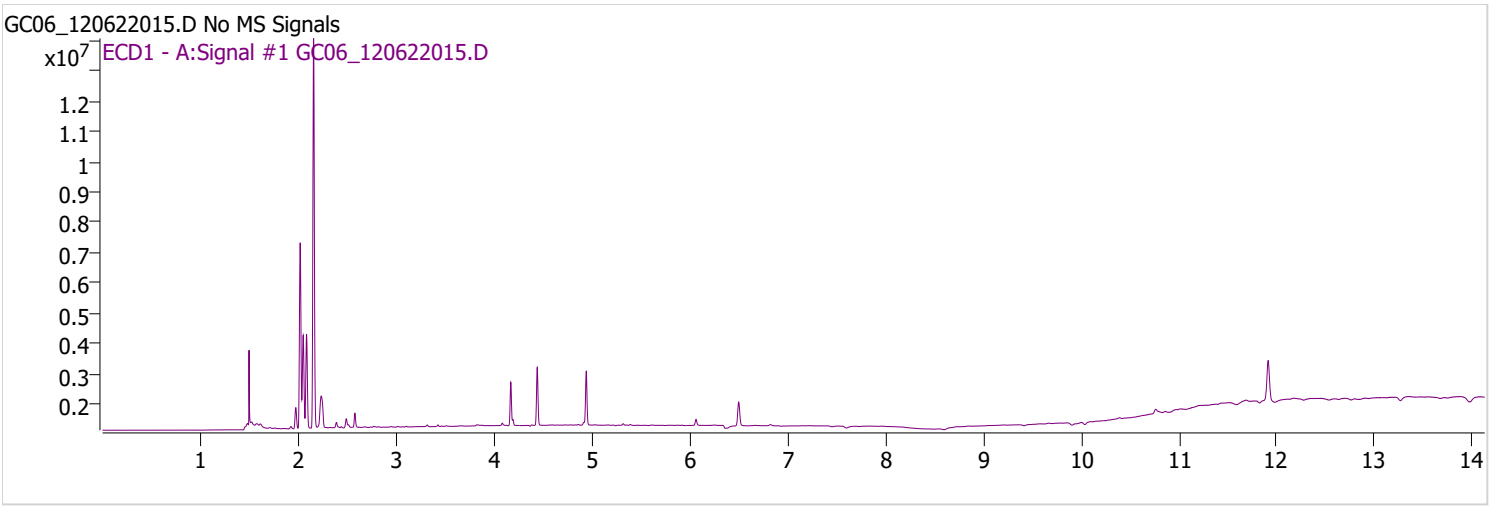
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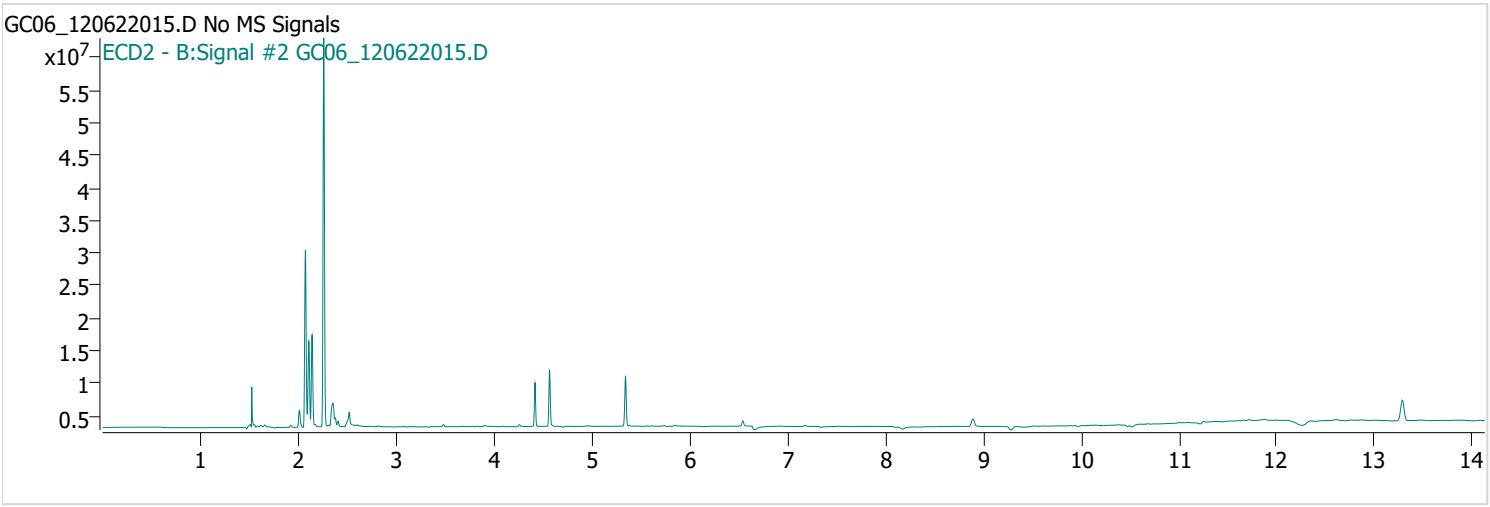
Analyst: TJW 12/06/22 *

Reviewer: LW 12/08/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC06_120622015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 12:51:12 PM
Sample Name	473364-009, 302486, 1	Instrument	SVOA-GC06
Vial	10	Multiplier	1.00
DA Method File	PCB_AR1268_120622_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_AR1268.batch.bin	Last Calib Update	12/6/2022 3:56:13 PM
Ref Library			



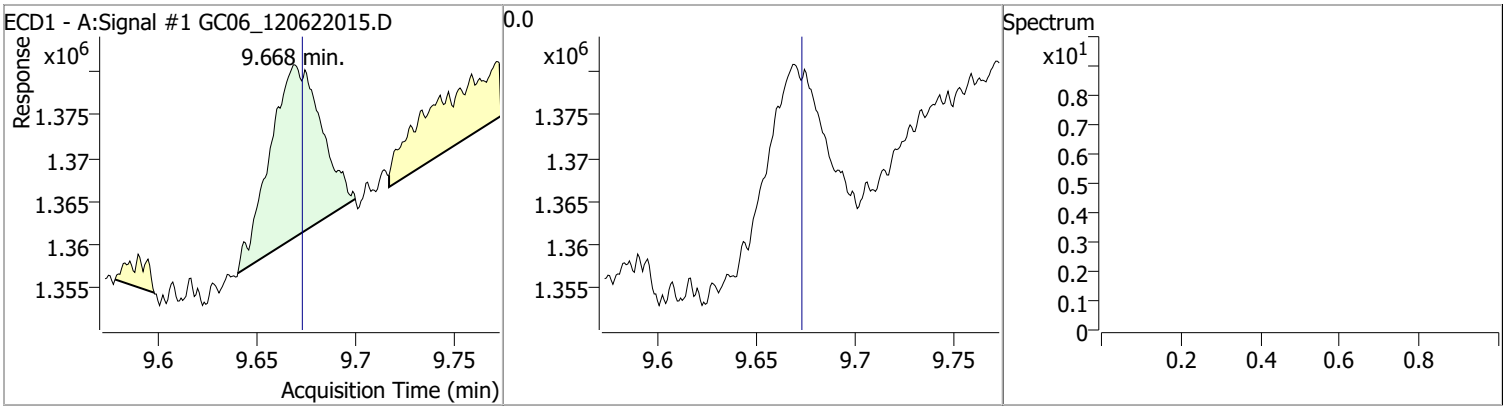


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.172	0.0	1380566.247	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (1268) #2	4.419	0.0	5903730.725	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	9.668	0.0	35690.656	15.9136	ng/ml	100
T AR1268 2	10.006	0.0	308757.313	105.8100	ng/ml	100
T Aroclor-1268	10.627	0.0	282721.635	24.9871	ng/ml	
T AR1268 1 #2	10.684	0.0	114369.427	16.0234	ng/ml	100
T AR1268 3	10.763	0.0	324818.752	28.4995	ng/ml	100
T AR1268 4	11.014	0.0	303787.804	33.7008	ng/ml	100
T AR1268 2 #2	11.007	0.0	158241.142	18.0774	ng/ml	100
T AR1268 3 #2	11.660	0.0	165821.959	4.8030	ng/ml	100
T AR1268 5	11.684	0.0	440553.649	14.2109	ng/ml	100
T Aroclor-1268 #2	11.647	0.0	143527.916	4.1433	ng/ml	
T AR1268 4 #2	12.024	0.0	35269.780	1.2585	ng/ml	100

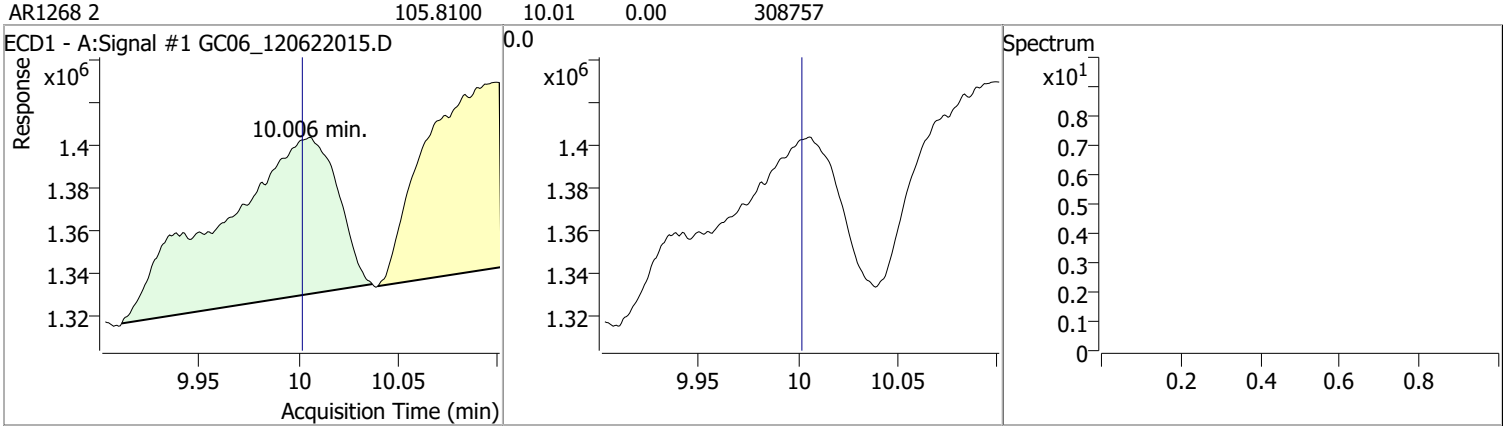
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 5 #2	12.862	0.0	243937.272	2.5741	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

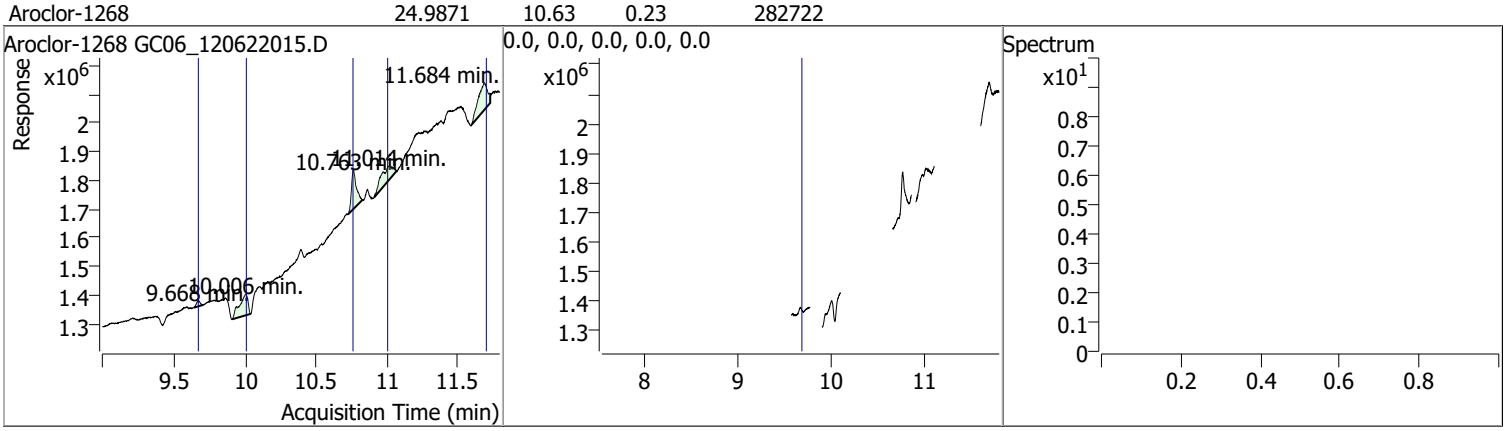
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	15.9136	9.67	-0.01	35691				



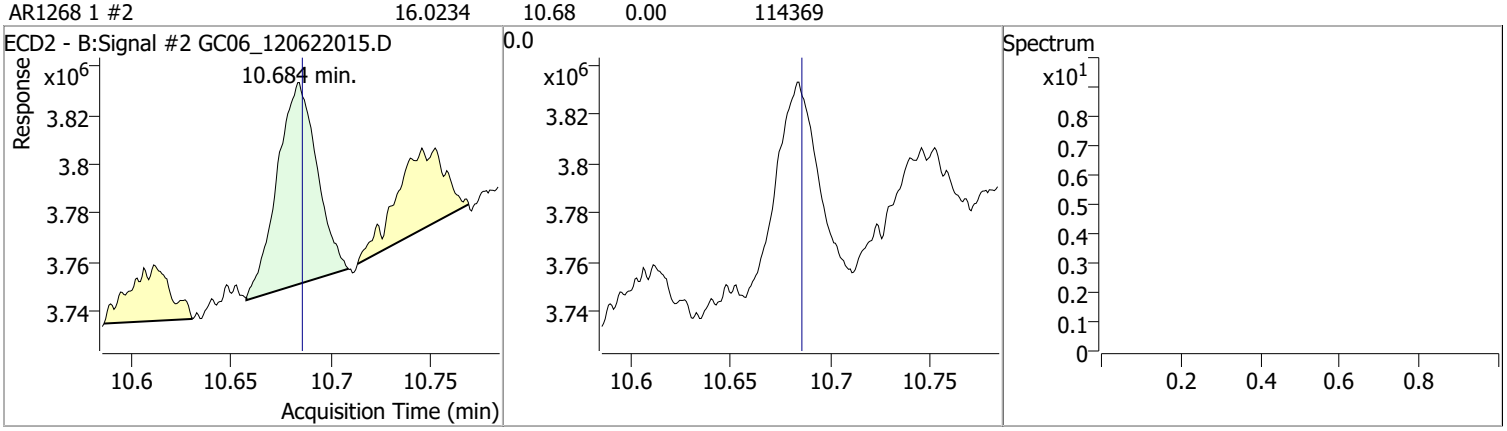
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	105.8100	10.01	0.00	308757				



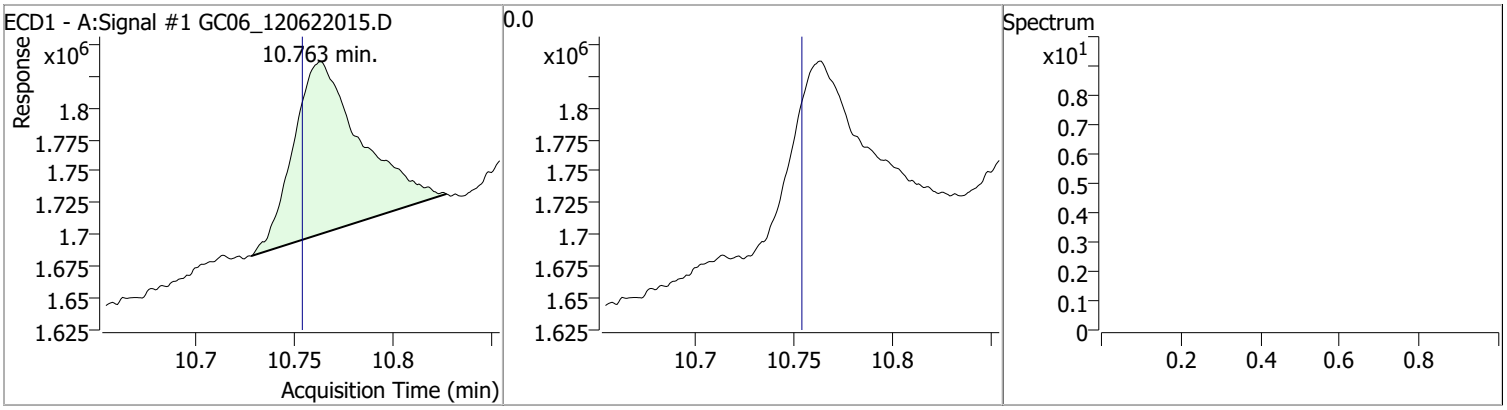
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	24.9871	10.63	0.23	282722				



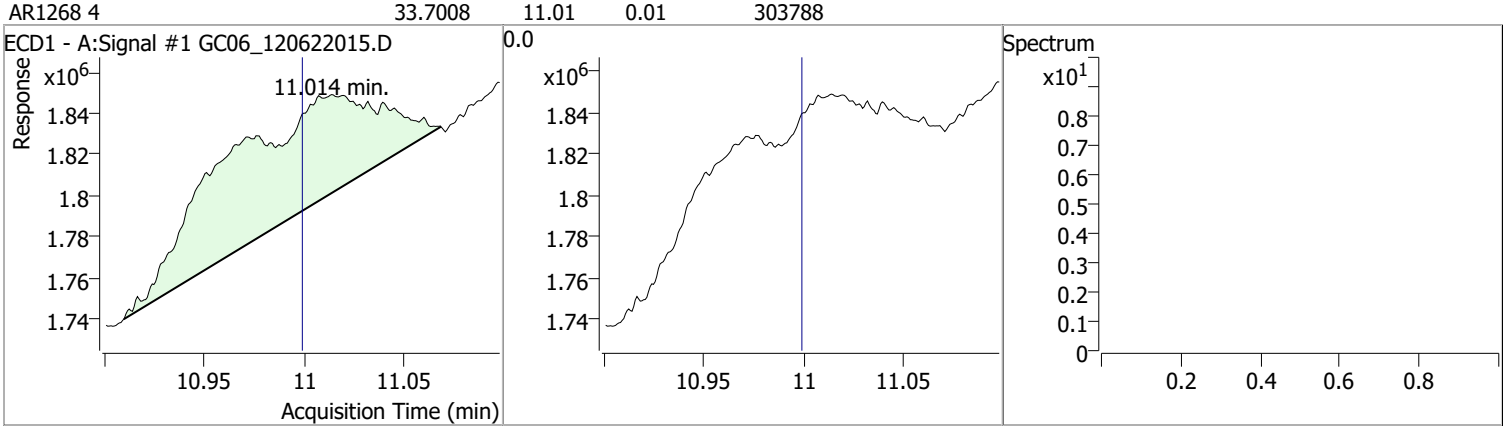
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	16.0234	10.68	0.00	114369				



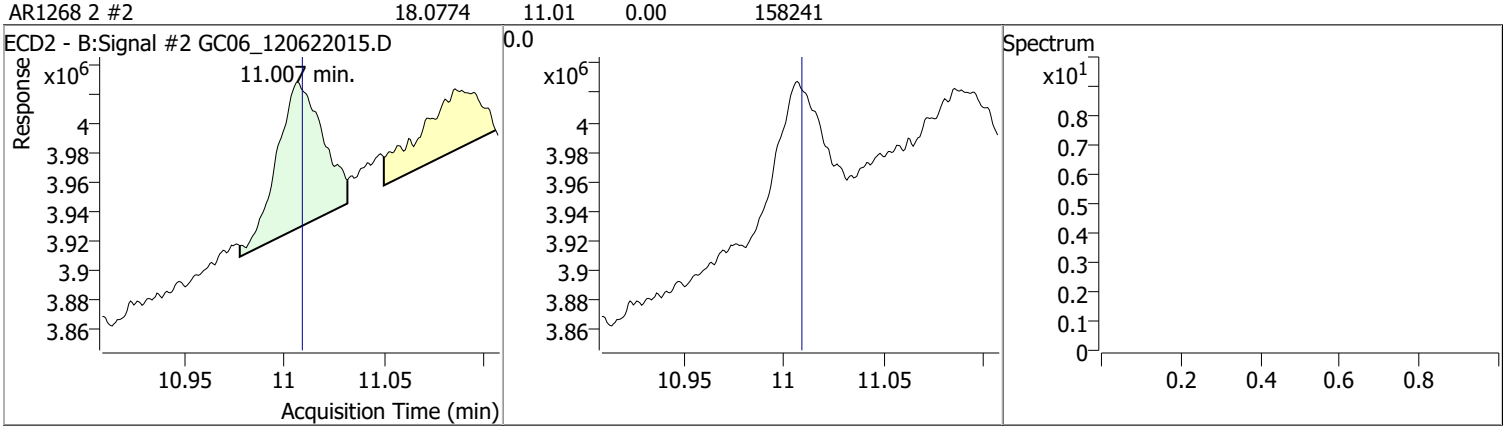
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	28.4995	10.76	0.01	324819				



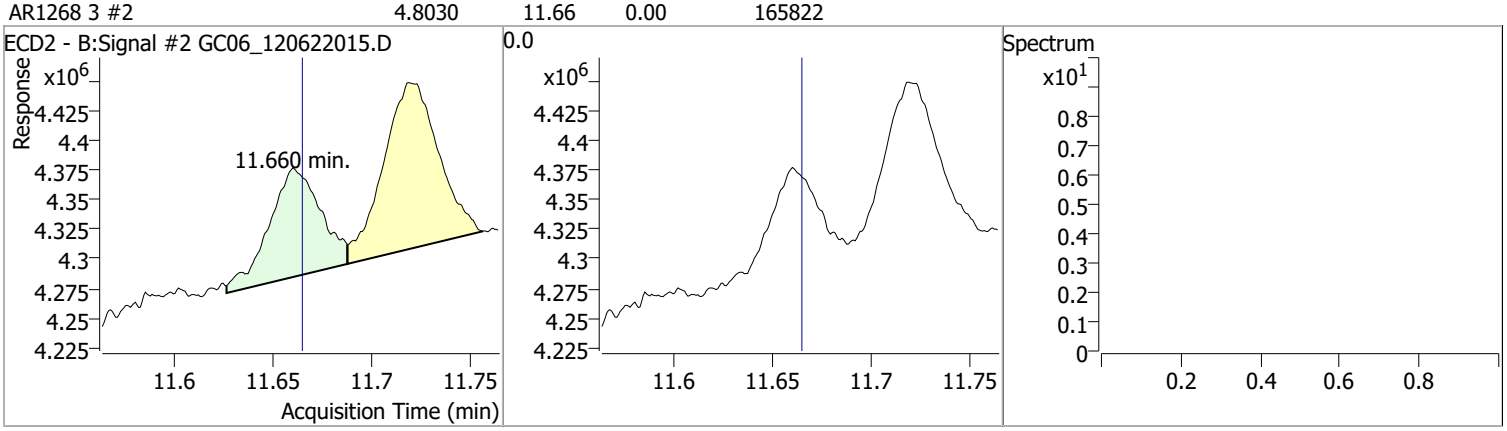
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	33.7008	11.01	0.01	303788				



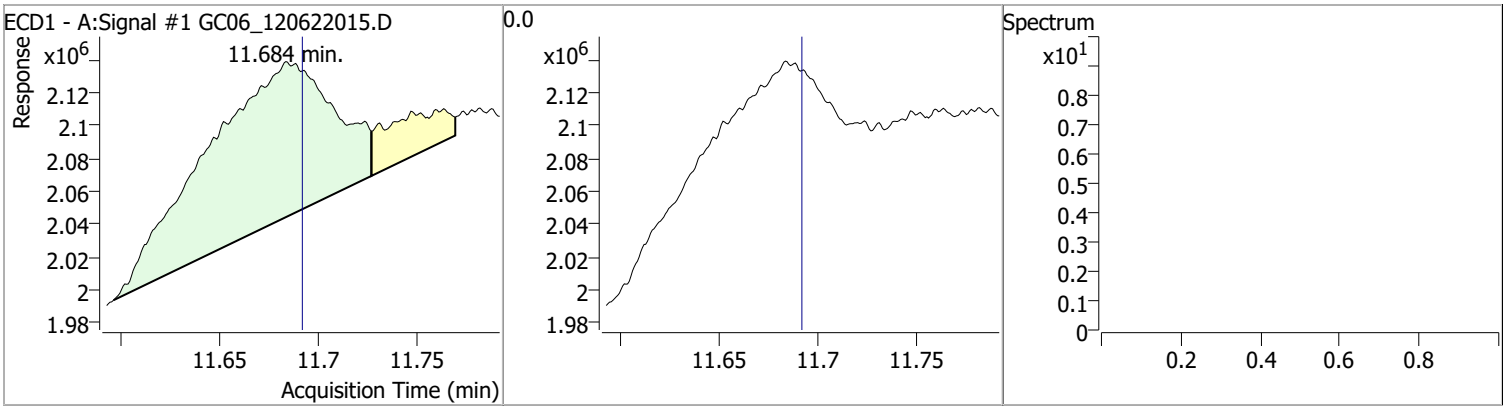
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	18.0774	11.01	0.00	158241				



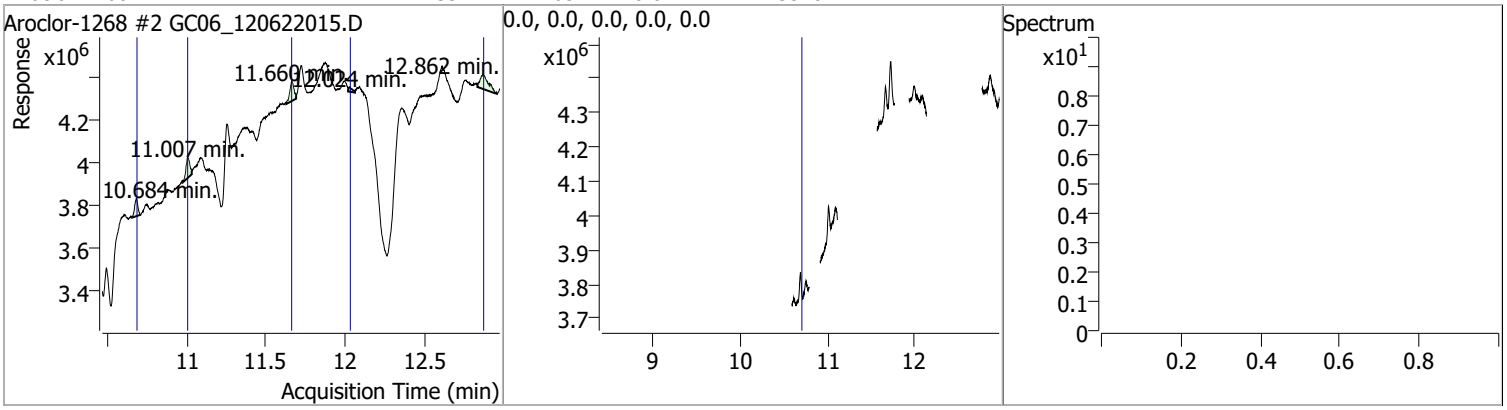
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	4.8030	11.66	0.00	165822				



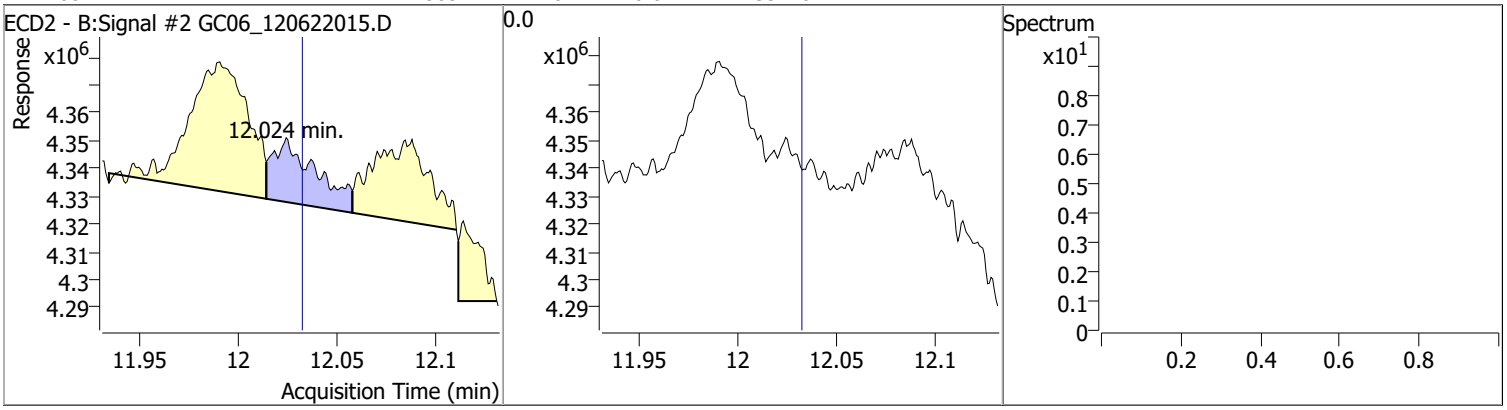
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	14.2109	11.68	-0.01	440554				



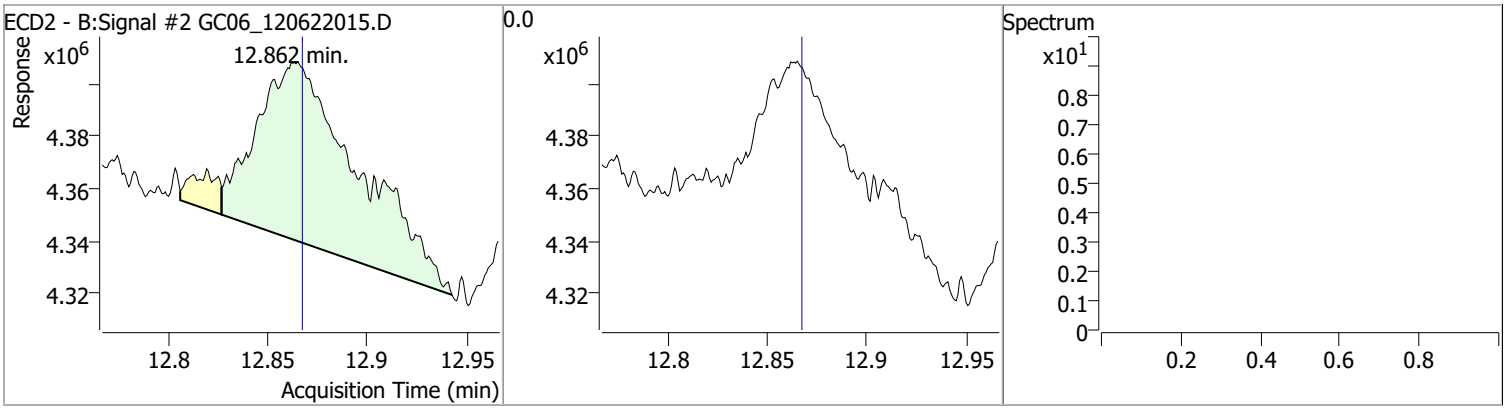
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	4.1433	11.65	-0.07	143528				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	1.2585	12.02	-0.01	35270				

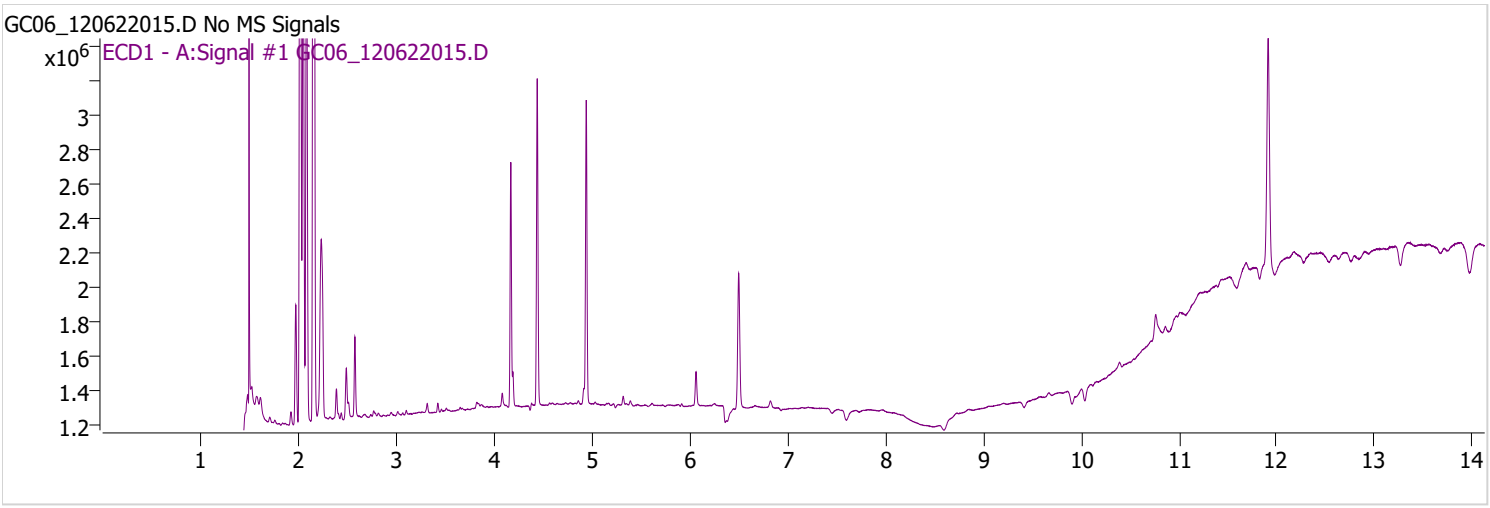


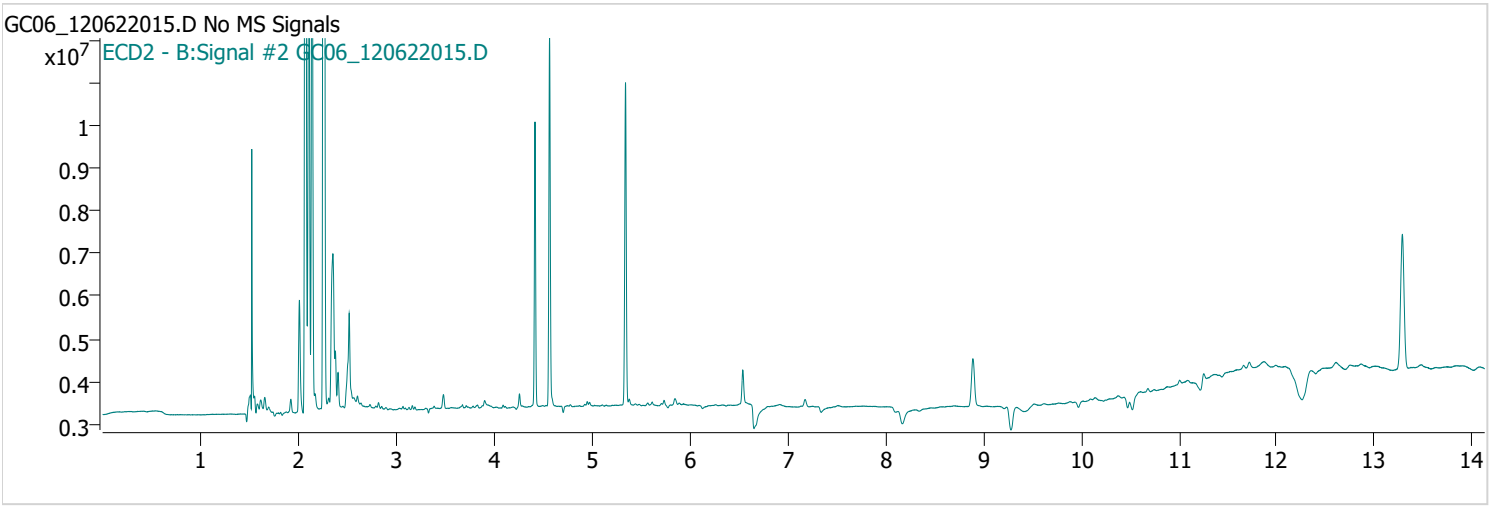
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	2.5741	12.86	-0.01	243937				



Quantitation Results Report (Not Reviewed)

Data File	GC06_120622015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 12:51:12 PM
Sample Name	473364-009, 302486, 1	Instrument	SVOA-GC06
Vial	10	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_9.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



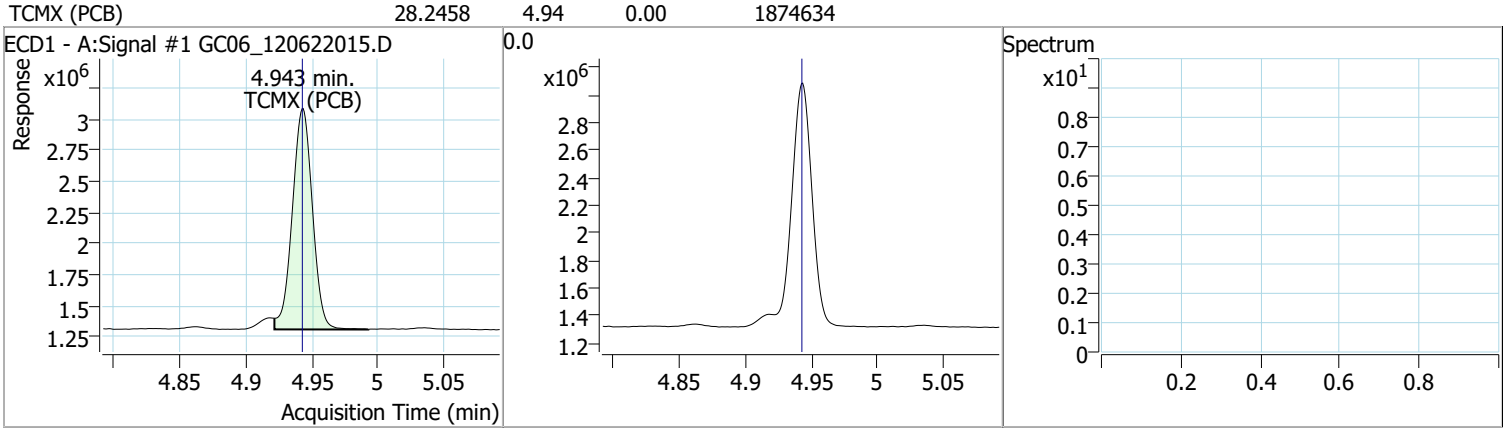


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.172	0.0	1380430.470	20.0000	ng/ml	-0.004
M 1-bromo-2-nitrobenzene (PCB) #2	4.419	0.0	5898531.848	20.0000	ng/ml	-0.003
System Monitoring Compounds						
S TCMX (PCB)	4.943	0.0	1874633.945	28.2458	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 141.23%		
S TCMX (PCB) #2	5.344	0.0	8438866.550	29.7905	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.95%		
S Decachlorobiphenyl (PCB)	11.913	0.0	2581244.231	26.5295	ng/ml	-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.65%		
S Decachlorobiphenyl (PCB) #2	13.283	0.0	7884299.018	24.1658	ng/ml	-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 120.83%		
Target Compounds						QValue

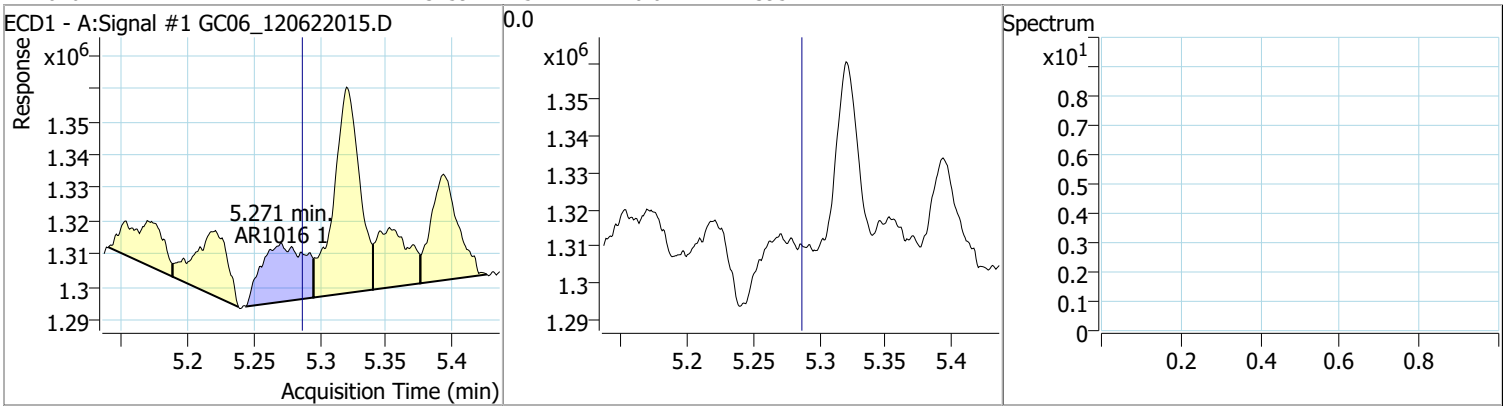
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.271	0.0	39577.233	27.3459	ng/ml	100
T AR1016 2	5.613	0.0	35685.643	0.0000	ng/ml	100
T AR1016 1 #2	5.850	0.0	488476.959	79.6802	ng/ml	100
T AR1016 3	6.065	0.0	250840.474	68.3592	ng/ml	100
T AR1016 4	6.253	0.0	714944.689	256.1755	ng/ml	100
T AR1016 2 #2	6.267	0.0	385027.731	43.5078	ng/ml	100
T AR1016 5	6.668	0.0	41062.662	18.2671	ng/ml	100
T AR1016 3 #2	6.919	0.0	3002736.601	186.7394	ng/ml	100
T AR1016 4 #2	6.919	0.0	169352.266	14.7525	ng/ml	100
T AR1016 5 #2	7.704	0.0	42707.202	4.5769	ng/ml	100
T AR1260 1	0.000		0	N.D.		
T AR1260 2	9.056	0.0	12699.953	1.7853	ng/ml	100
T AR1260 3	9.590	0.0	75758.961	10.1889	ng/ml	100
T AR1260 1 #2	9.884	0.0	802936.689	45.7411	ng/ml	100
T AR1260 4	10.006	0.0	309090.984	63.2649	ng/ml	100
T AR1260 2 #2	10.143	0.0	277969.807	13.1792	ng/ml	100
T AR1260 5	10.503	0.0	175619.956	3.1169	ng/ml	100
T AR1260 3 #2	10.495	0.0	202167.953	7.5726	ng/ml	100
T AR1260 4 #2	11.007	0.0	271913.284	0.0000	ng/ml	100
T AR1260 5 #2	11.660	0.0	181205.339	0.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

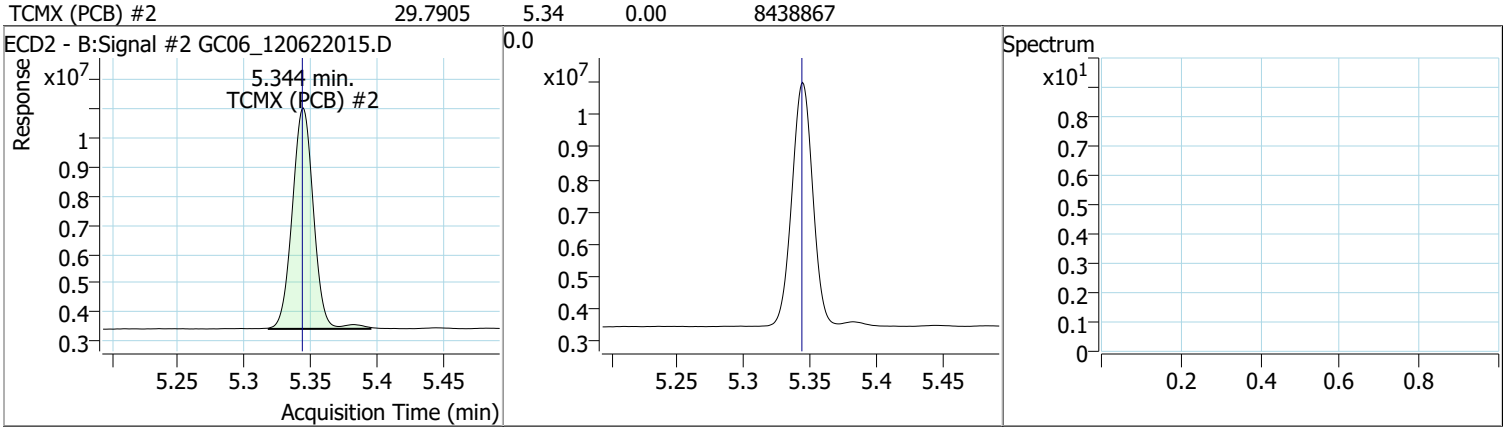
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	28.2458	4.94	0.00	1874634				



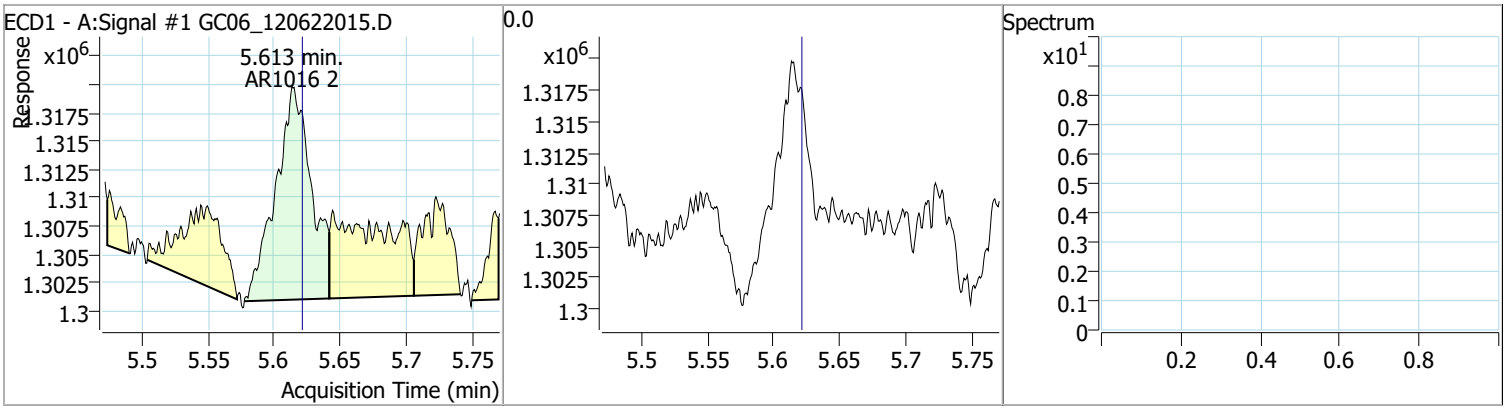
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	27.3459	5.27	-0.02	39577				



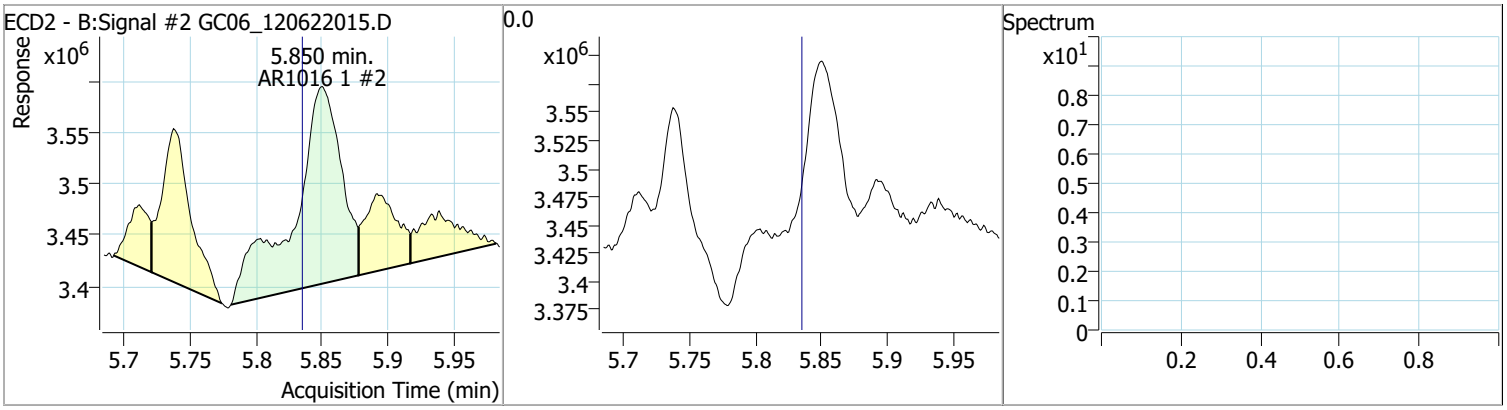
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.7905	5.34	0.00	8438867				



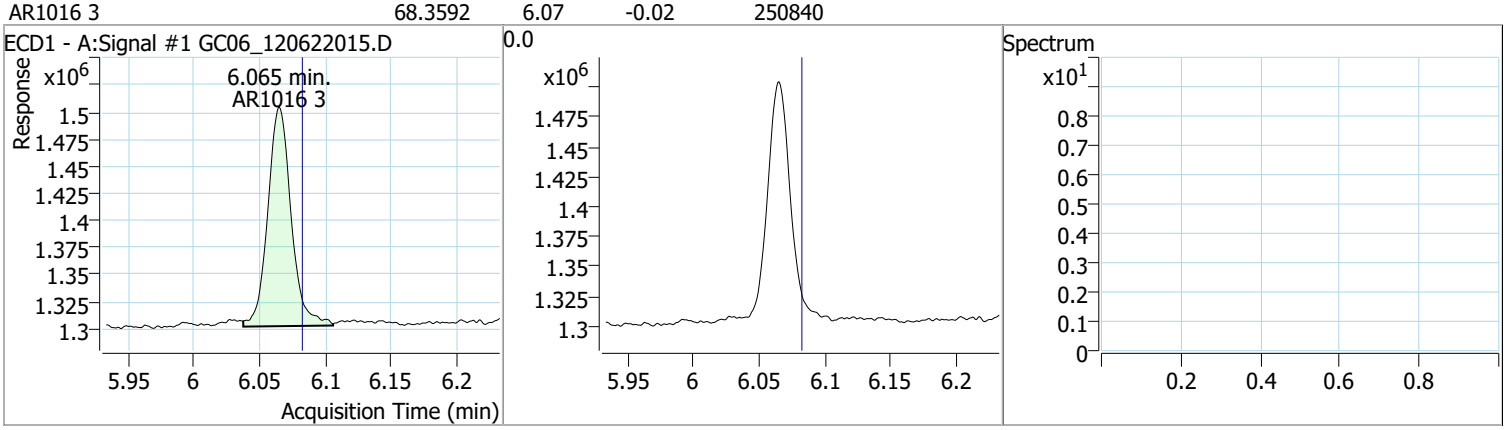
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.61	-0.01	35686				



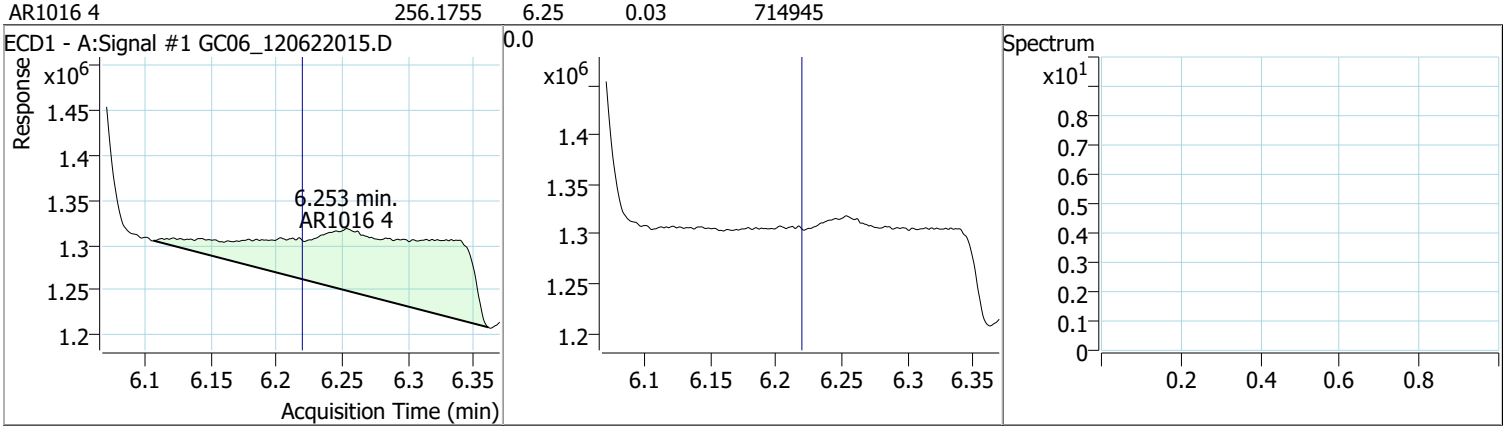
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	79.6802	5.85	0.01	488477				



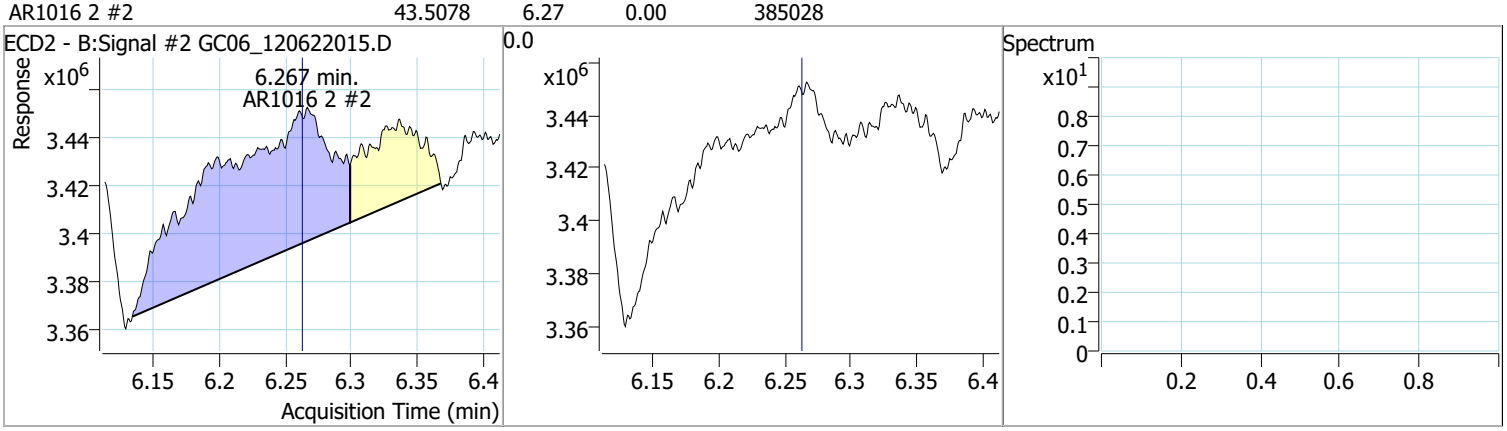
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	68.3592	6.07	-0.02	250840				



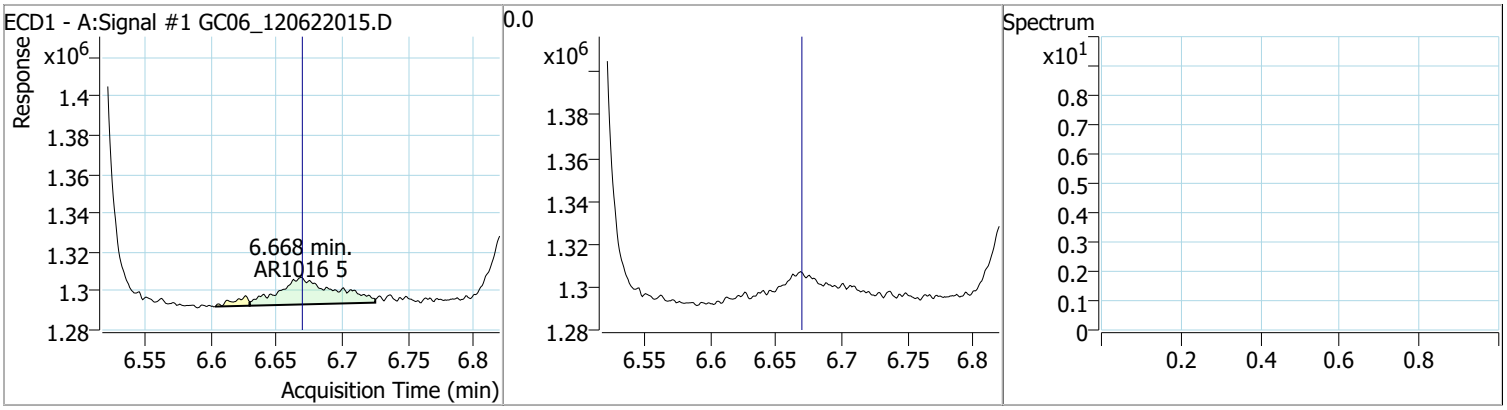
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	256.1755	6.25	0.03	714945				



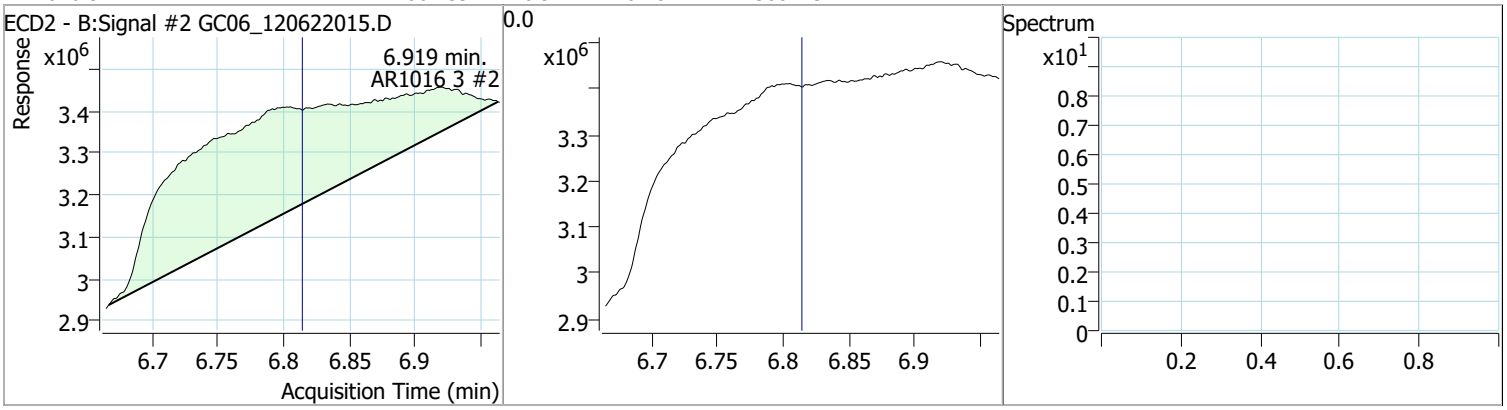
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	43.5078	6.27	0.00	385028				



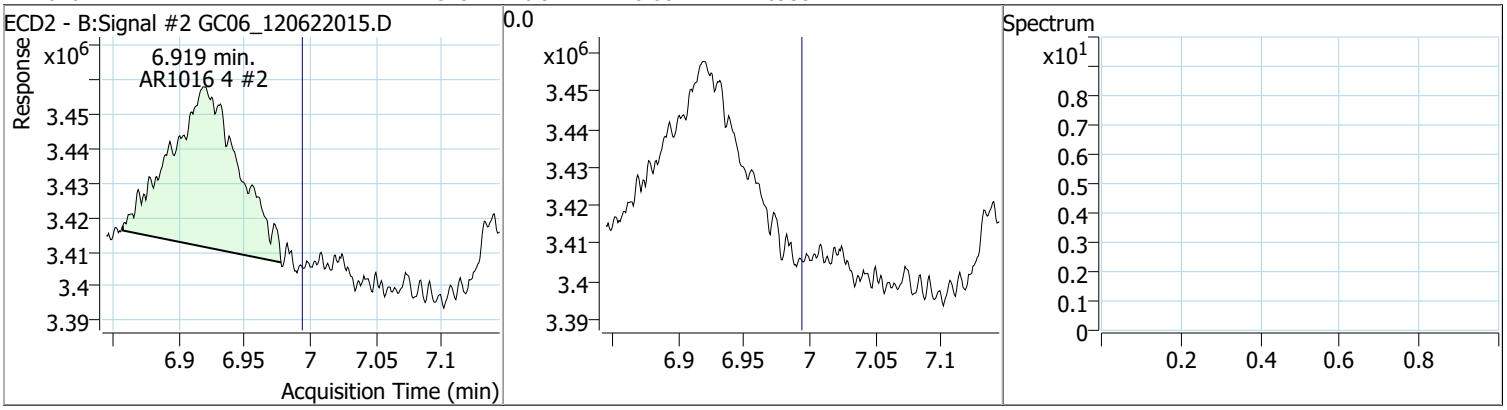
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	18.2671	6.67	-0.01	41063				



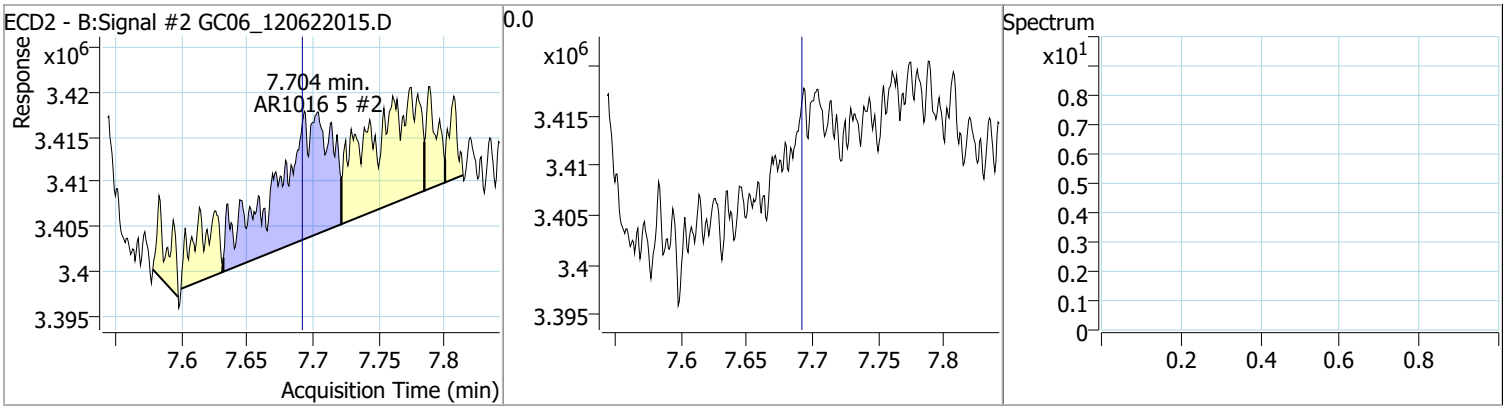
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AR1016 3 #2	186.7394	6.92	0.10	3002737				



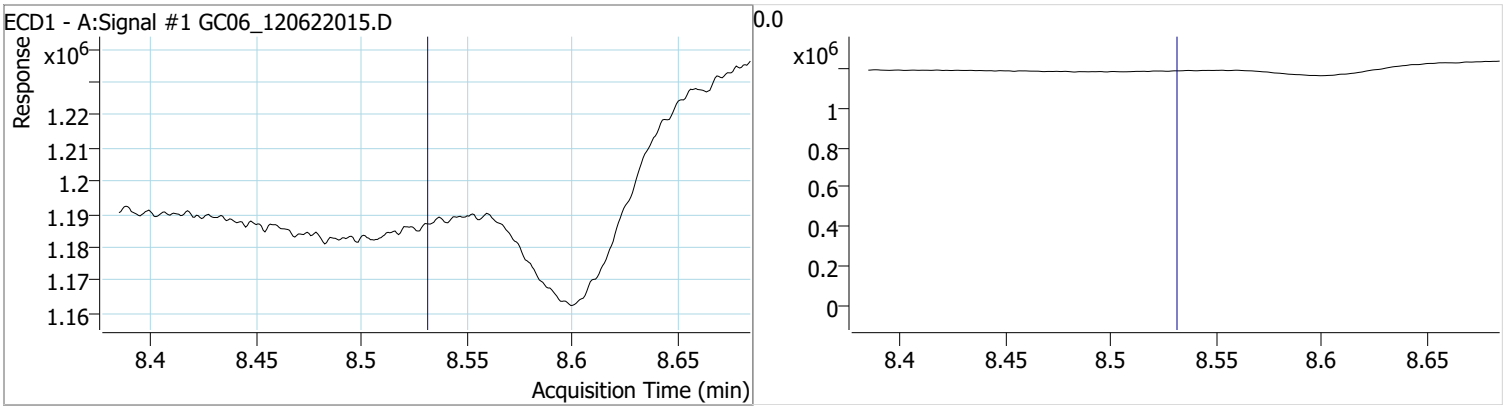
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	14.7525	6.92	-0.08	169352				



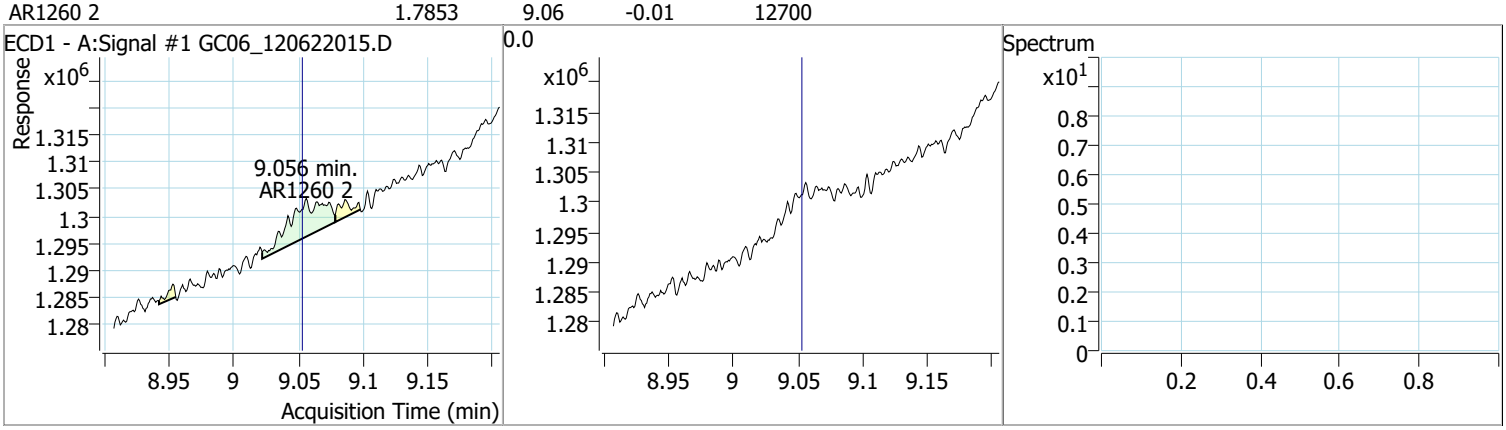
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	4.5769	7.70	0.01	42707				



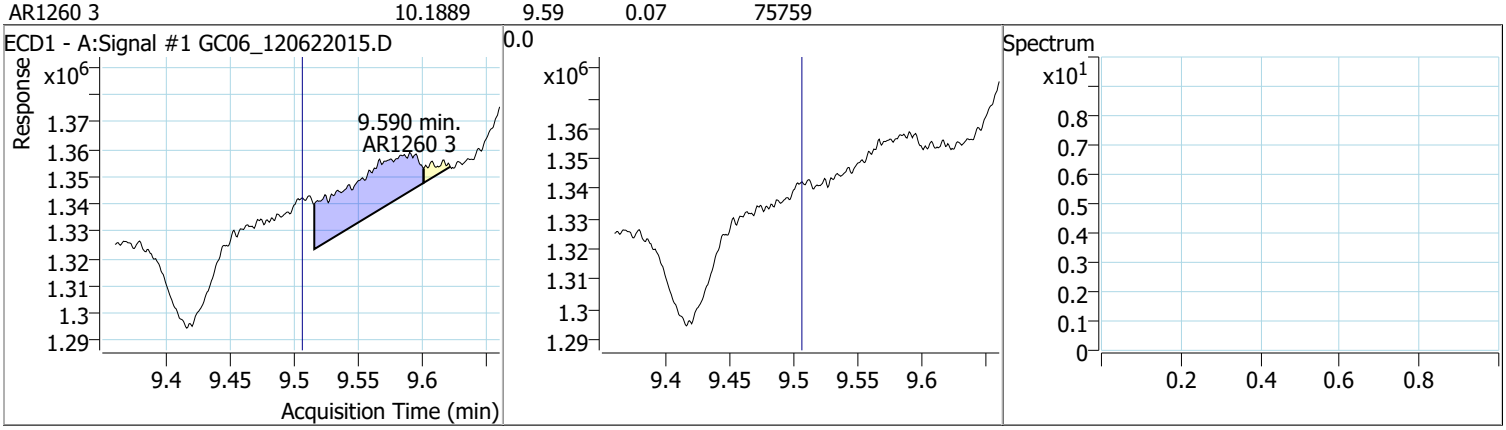
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 1	N.D.	8.54		



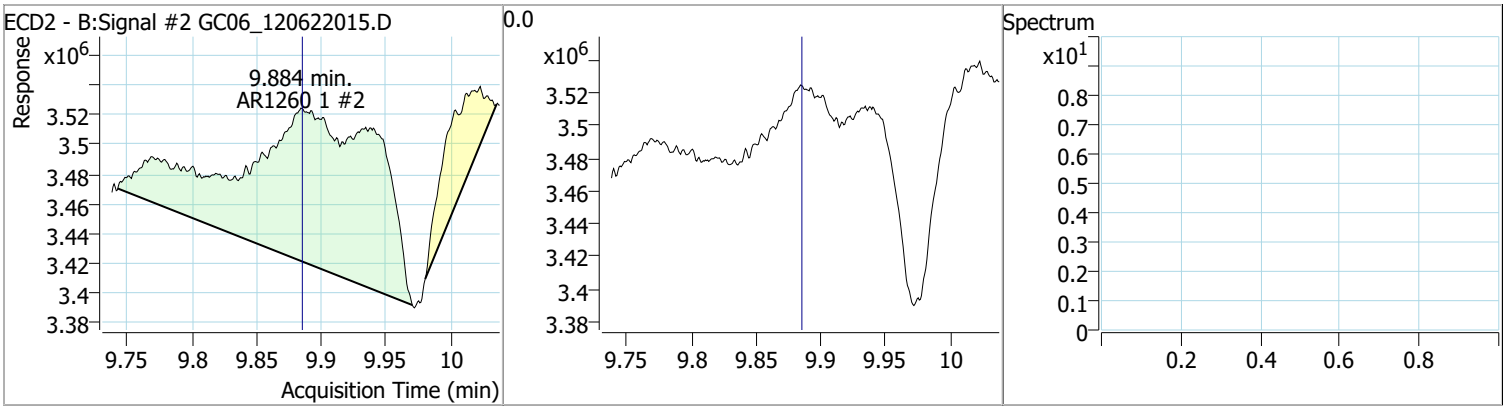
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.7853	9.06	-0.01	12700				



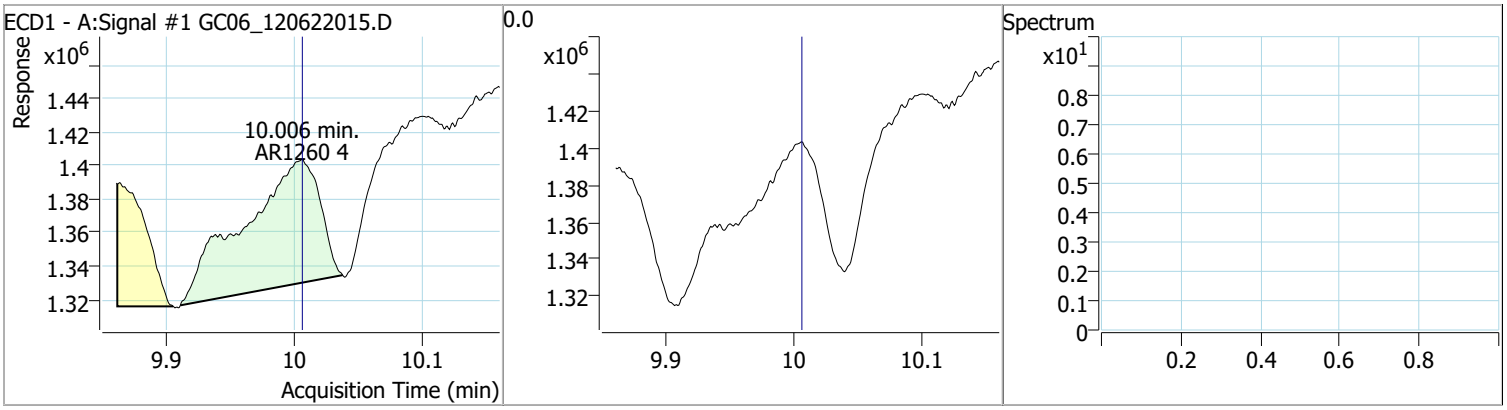
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	10.1889	9.59	0.07	75759				



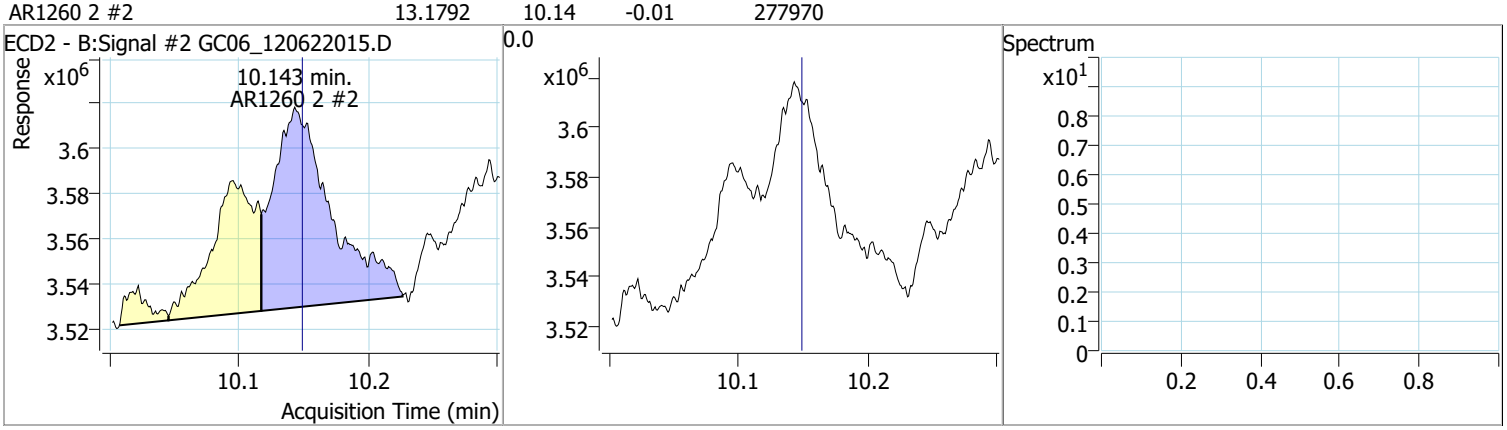
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	45.7411	9.88	-0.01	802937				



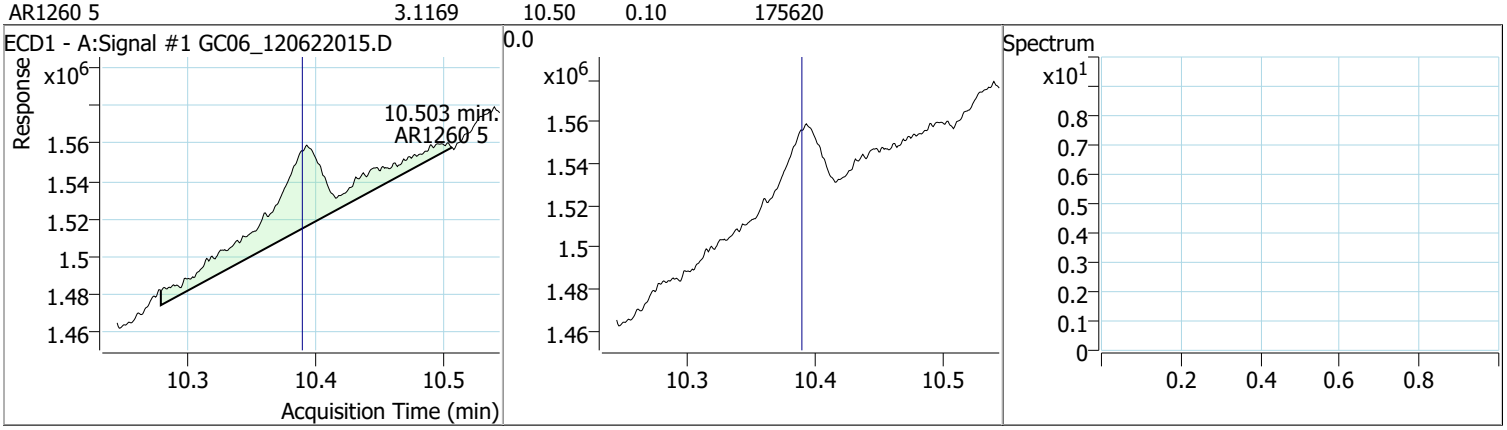
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	63.2649	10.01	-0.01	309091				



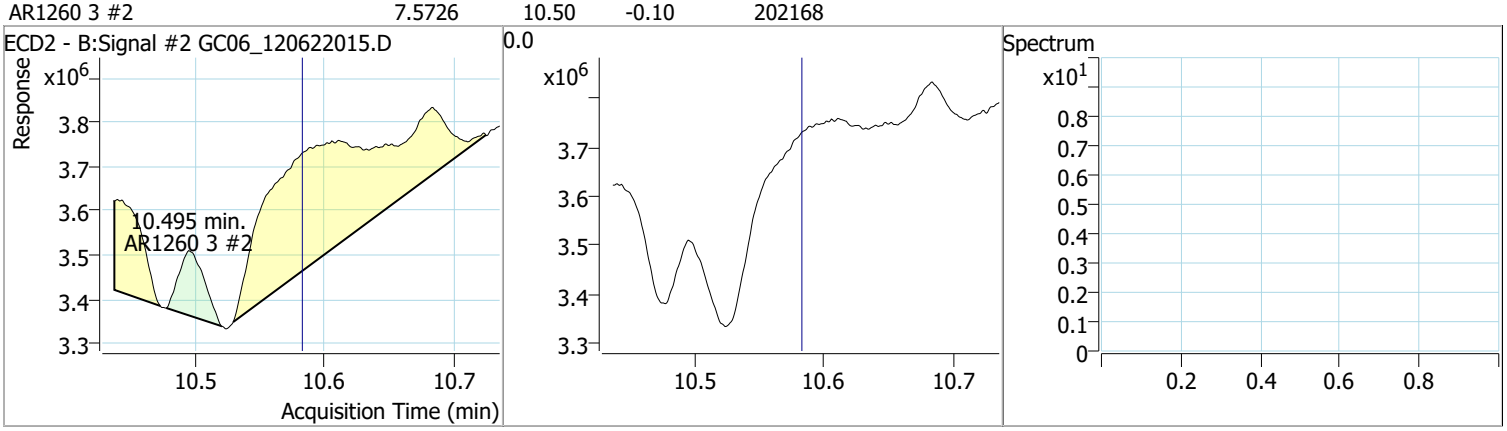
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	13.1792	10.14	-0.01	277970				



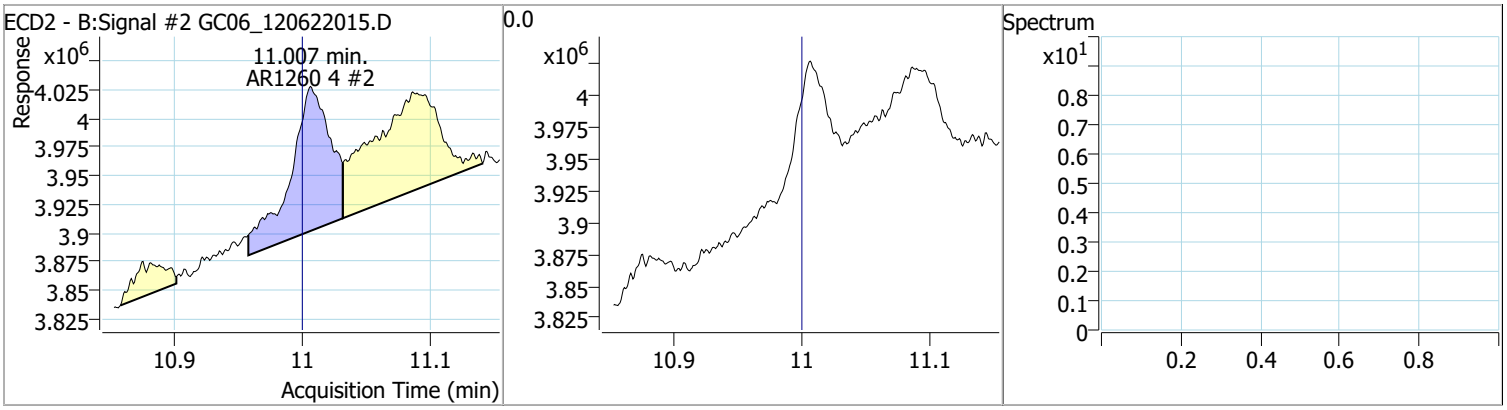
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	3.1169	10.50	0.10	175620				



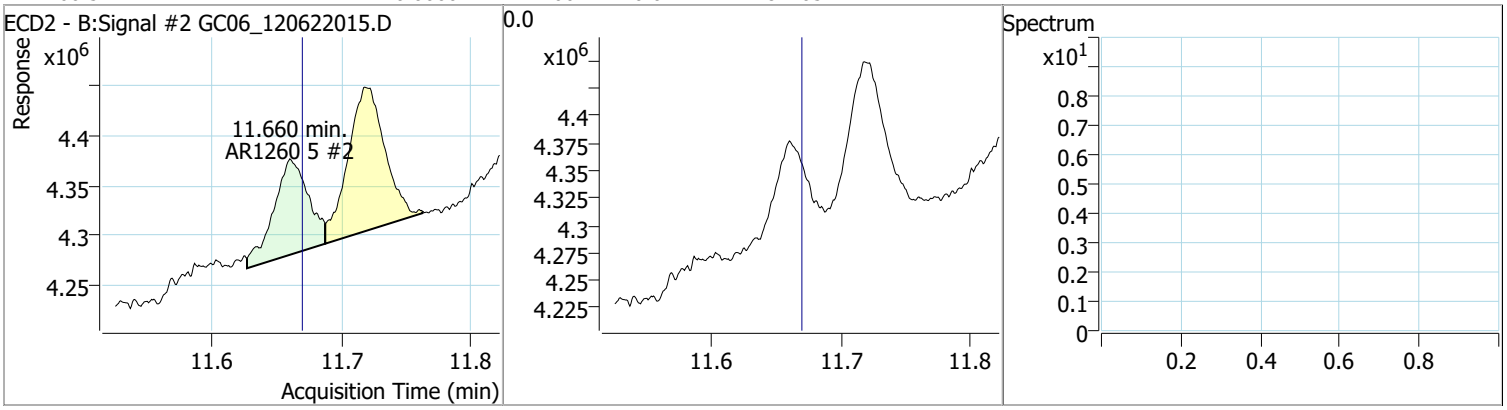
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	7.5726	10.50	-0.10	202168				



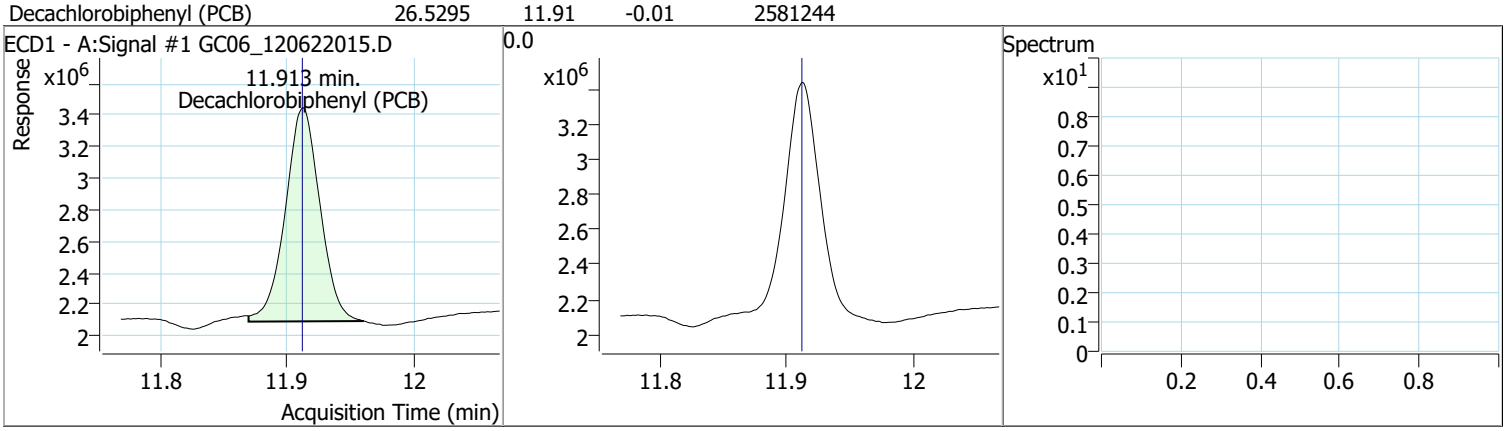
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.01	0.00	271913				



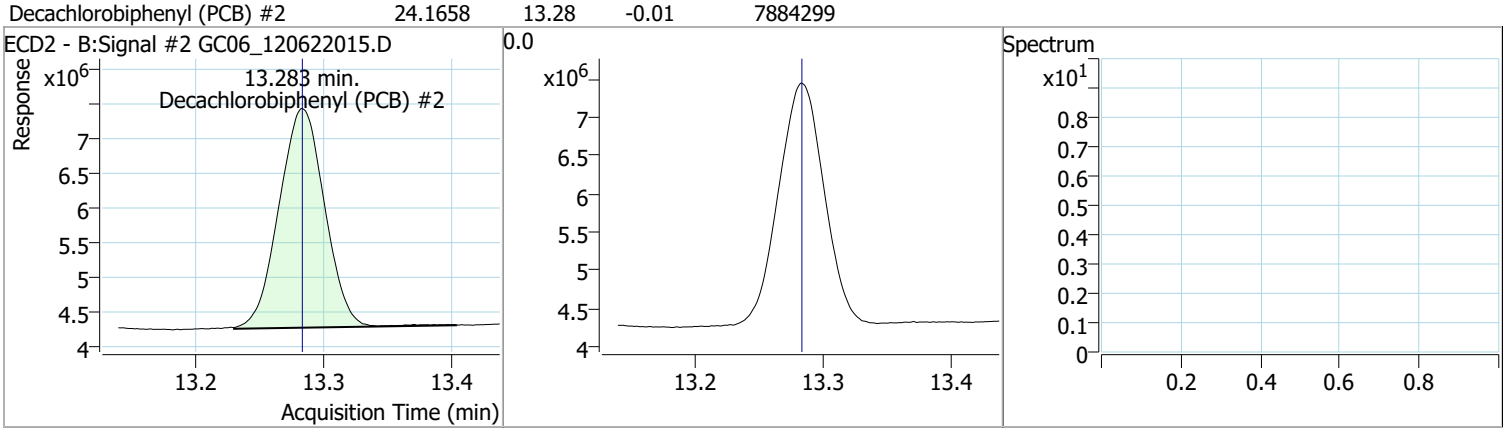
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.0000	11.66	-0.02	181205				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	26.5295	11.91	-0.01	2581244				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	24.1658	13.28	-0.01	7884299				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	473364-011	Client ID:	AFRAME-C1W-LAT-L3-DN-C1.2-DG-221116-P-LA
Seqnum:	452490110016.3	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_120622016	Batch:	302486	Time:	06-DEC-2022 13:09
IDF:	1.0	Raw Units:	ug/L	Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Cal	Raw	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	452428510002	62.88	~~0.63~~ FP	0.47	29%	0.50		x u
Aroclor-1016 Peak # 1	B	452428510002	50.18	0.50	0.05	161%			
Aroclor-1016 Peak # 2	B	452428510002	18.21	0.18	0.02	169%			
Aroclor-1016 Peak # 3	B	452428510002	227.3	2.27	0.36	145%			
Aroclor-1016 Peak # 4	B	452428510002	16.08	0.16	1.74	166%			
Aroclor-1016 Peak # 5	B	452428510002	2.676	0.03	0.17	147%			
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	452428510002	5.229	ND	0.19	113%	0.50		u
Aroclor-1260 Peak # 1	B	452428510002	20.94	0.21	0.16	29%			
Aroclor-1260 Peak # 2	B	452428510002	10.37	0.10	0.00	189%			
Aroclor-1260 Peak # 3	B	452428510002	6.399	0.06	0.12	57%			
Aroclor-1260 Peak # 4	B	452428510002	-2.483	ND	0.66	216%			
Aroclor-1260 Peak # 5	B	452428510002	-9.087	ND	ND				
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B	452490110001	5.133	ND	ND	152%	0.50		?v u
Aroclor-1268 Peak # 1	B	452490110001	7.047	0.07	0.07	4%			
Aroclor-1268 Peak # 2	B	452490110001	13.33	0.13	1.06	155%			
Aroclor-1268 Peak # 3	B	452490110001	2.760	0.03	0.26	162%			
Aroclor-1268 Peak # 4	B	452490110001	0.5047	0.01	0.34	194%			
Aroclor-1268 Peak # 5	B	452490110001	2.025	0.02	0.14	149%			

Surrogate	Ch	Cal	Raw	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	452428510002	27.80	0.5000	0.2780	56	19-121	u
Decachlorobiphenyl (PCB)	A	452428510002	25.99	0.5000	0.2599	52	19-121	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_120622001)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4549134	5329738	17.16
1-bromo-2-nitrobenzene (PCB)	A	1091103	1247055	14.29

ISTD (ICAL gc06_120622005)	Ch	ICAL Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	4929107	5328457	8.10
1-bromo-2-nitrobenzene (1268)	A	1140077	1240978	8.85

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_120622001)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.17	4.17	0.00

ISTD (ICAL gc06_120622005)	Ch	ICAL RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (1268)	A	4.17	4.17	0.00

TJW 12/06/22 : Sample extracted out of HT

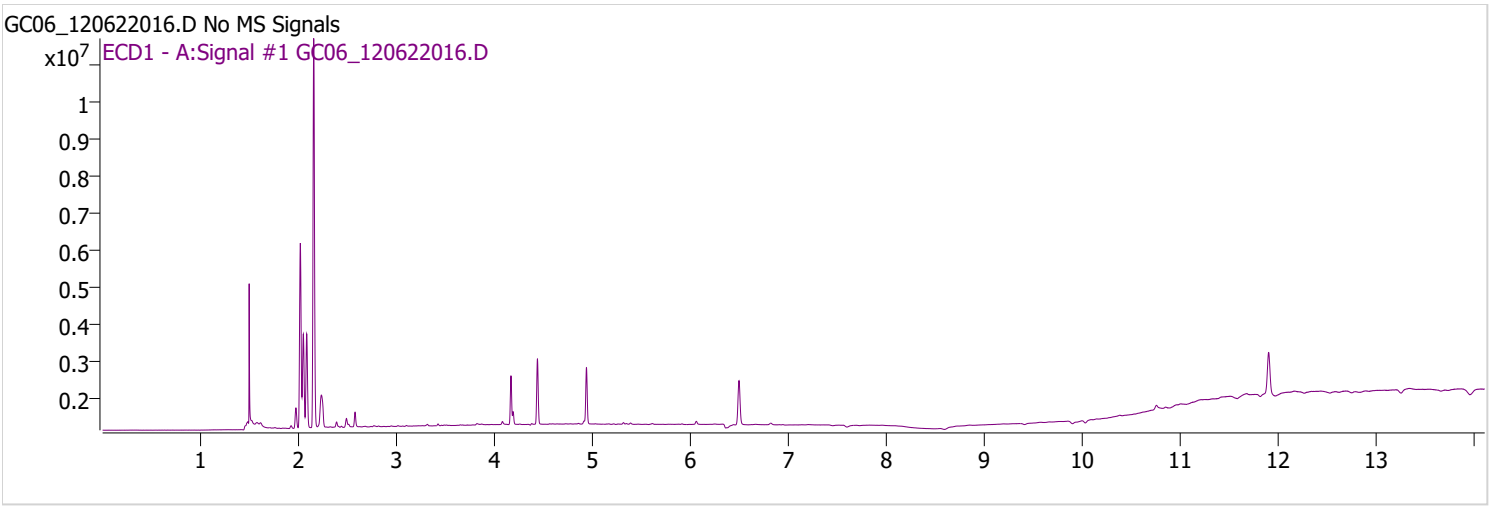
?=missing u=use v=ICV out x=false positive

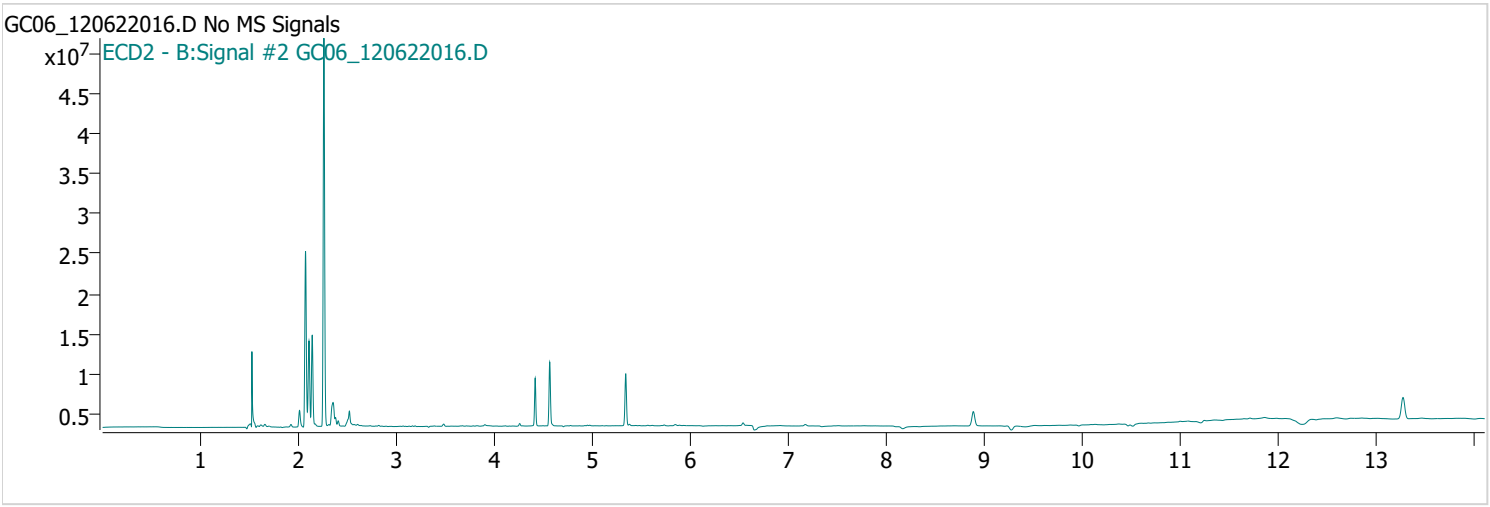
Analyst: TJW 12/06/22 *

Reviewer: LW 12/08/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC06_120622016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 1:09:35 PM
Sample Name	473364-011, 302486, 1	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_AR1268_120622_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_AR1268.batch.bin	Last Calib Update	12/6/2022 3:56:13 PM
Ref Library			



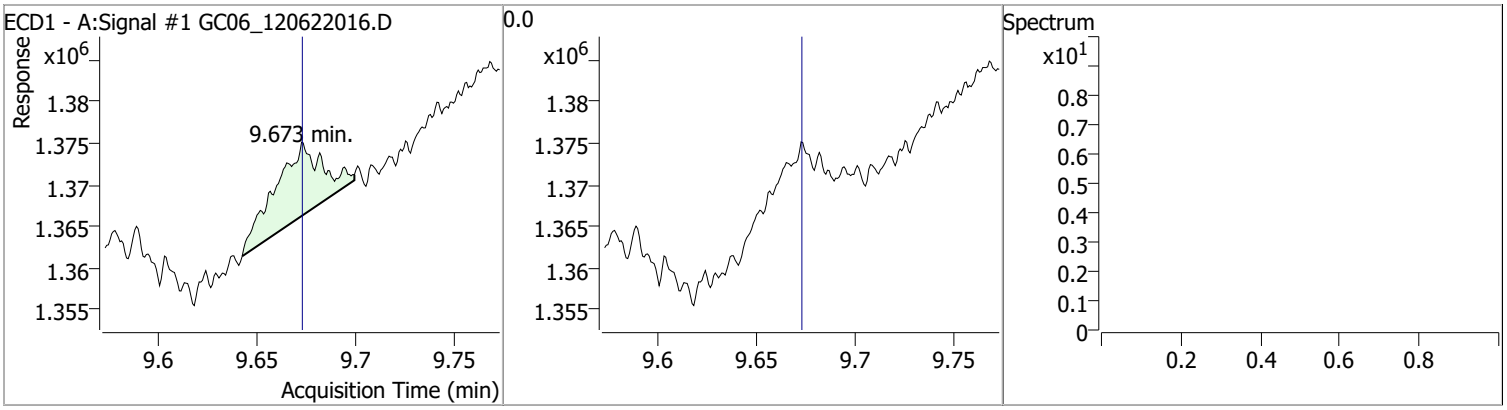


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.172	0.0	1240978.039	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (1268) #2	4.419	0.0	5328457.225	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	9.673	0.0	14791.595	7.3371	ng/ml	100
T AR1268 2	10.006	0.0	278405.801	106.1405	ng/ml	100
T Aroclor-1268	10.628	0.0	244895.362	24.0786	ng/ml	
T AR1268 1 #2	10.679	0.0	45396.070	7.0467	ng/ml	100
T AR1268 3	10.766	0.0	269600.639	26.3154	ng/ml	100
T AR1268 4	11.011	0.0	278213.037	34.3353	ng/ml	100
T AR1268 2 #2	11.011	0.0	105311.365	13.3296	ng/ml	100
T AR1268 3 #2	11.660	0.0	86011.589	2.7603	ng/ml	100
T AR1268 5	11.687	0.0	383465.737	13.7608	ng/ml	100
T Aroclor-1268 #2	11.650	0.0	84539.862	2.7039	ng/ml	
T AR1268 4 #2	12.030	0.0	12767.054	0.5047	ng/ml	100

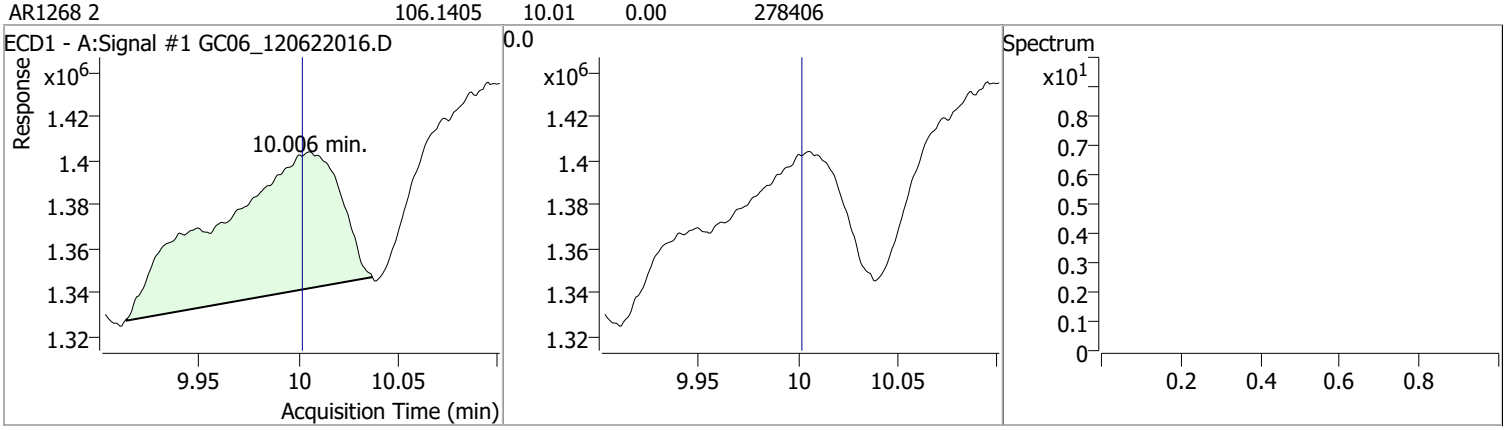
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 5 #2	12.868	0.0	173213.233	2.0252	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

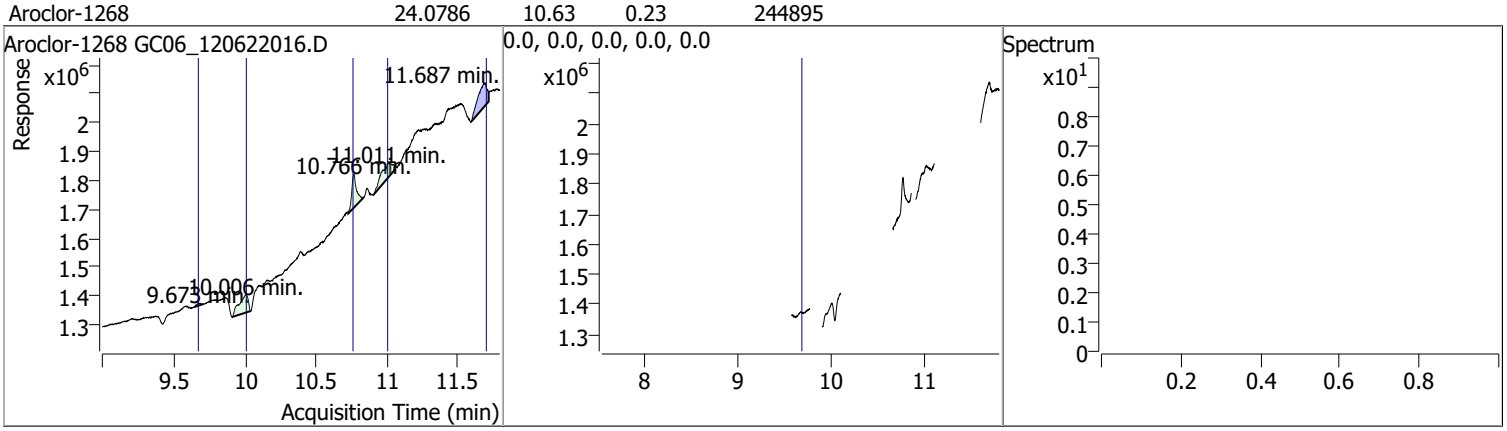
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	7.3371	9.67	0.00	14792				



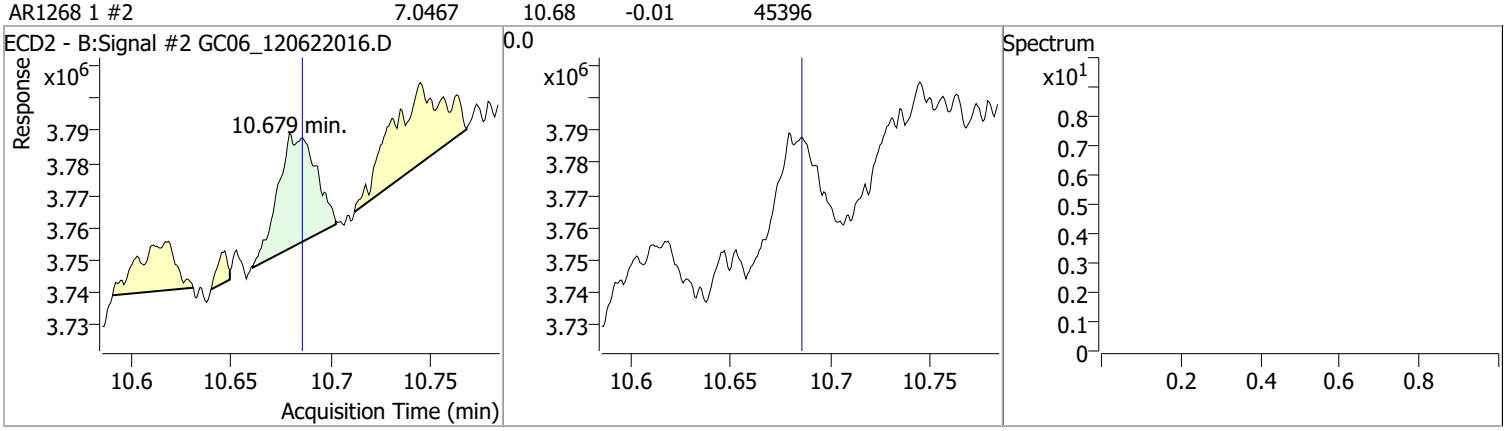
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	106.1405	10.01	0.00	278406				



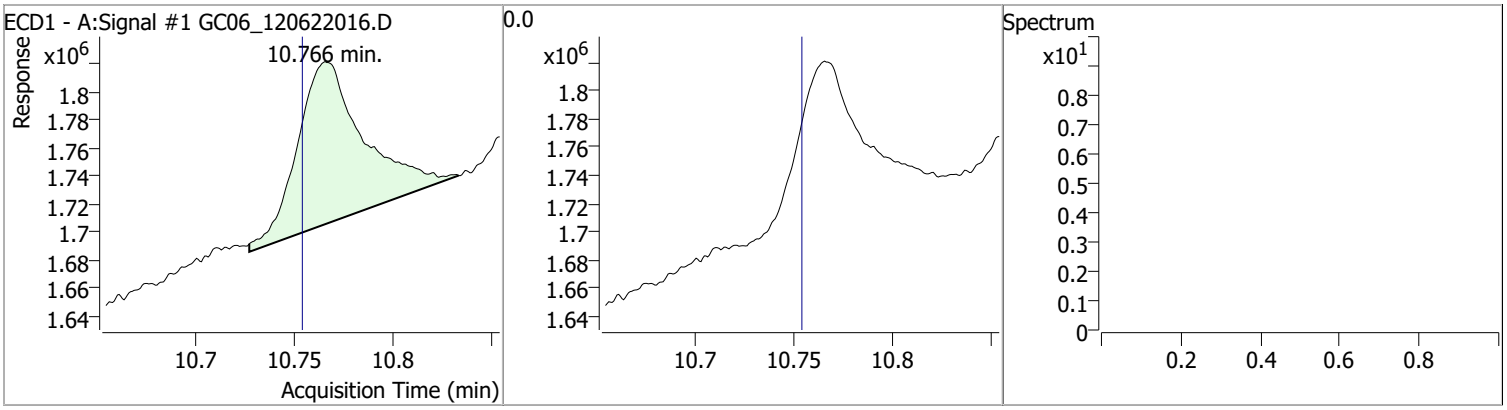
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	24.0786	10.63	0.23	244895				



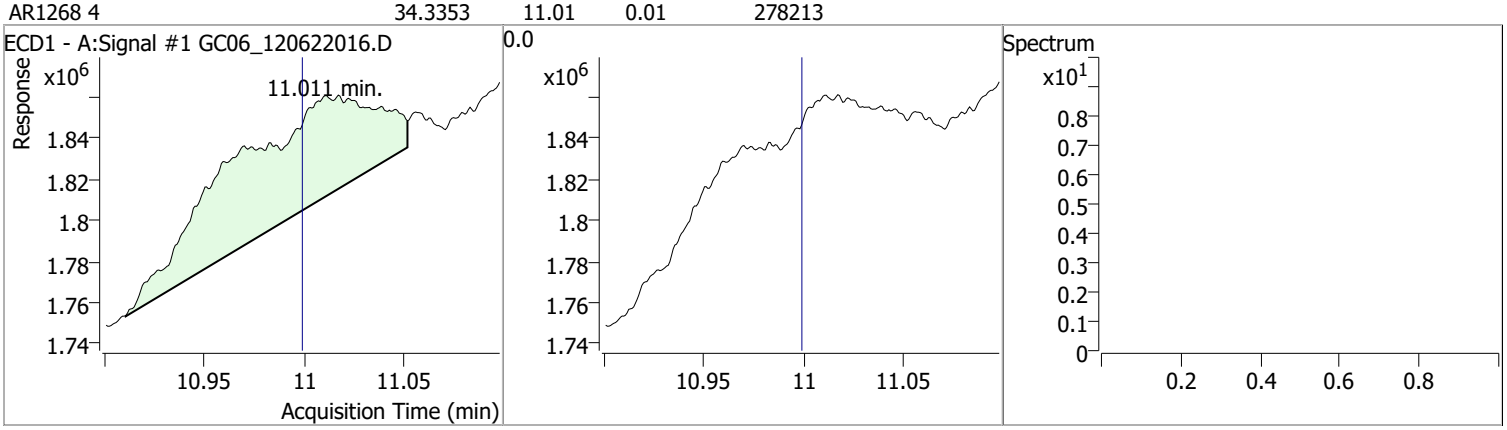
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	7.0467	10.68	-0.01	45396				



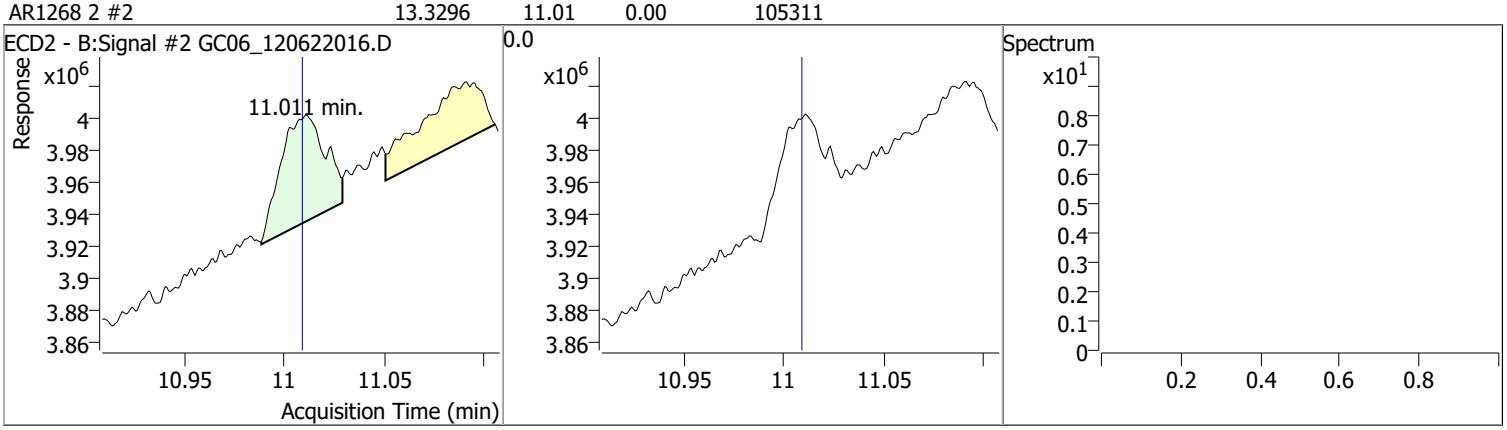
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	26.3154	10.77	0.01	269601				



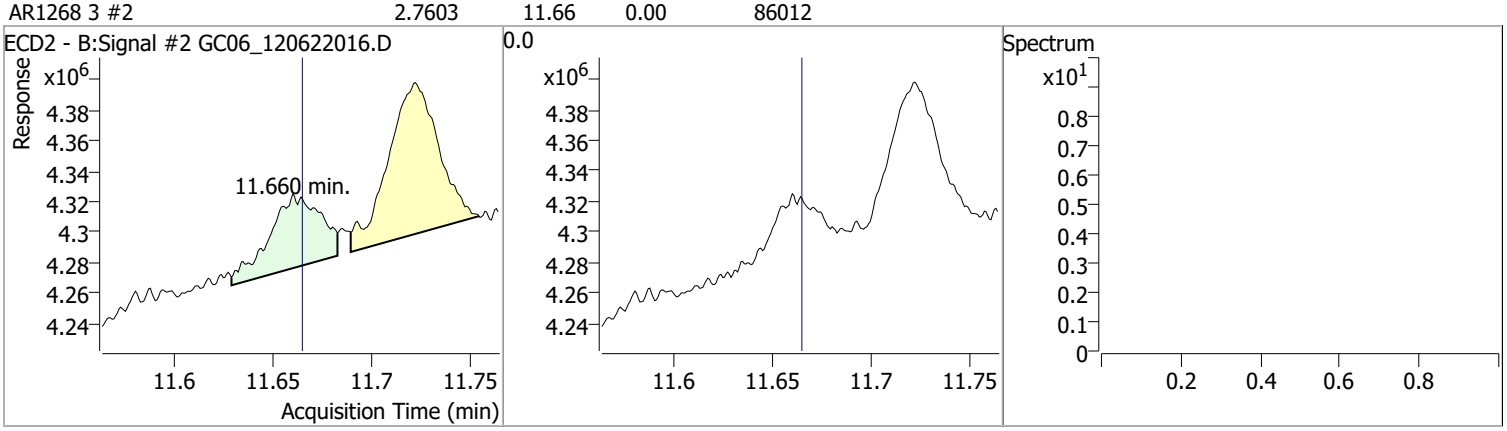
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	34.3353	11.01	0.01	278213				



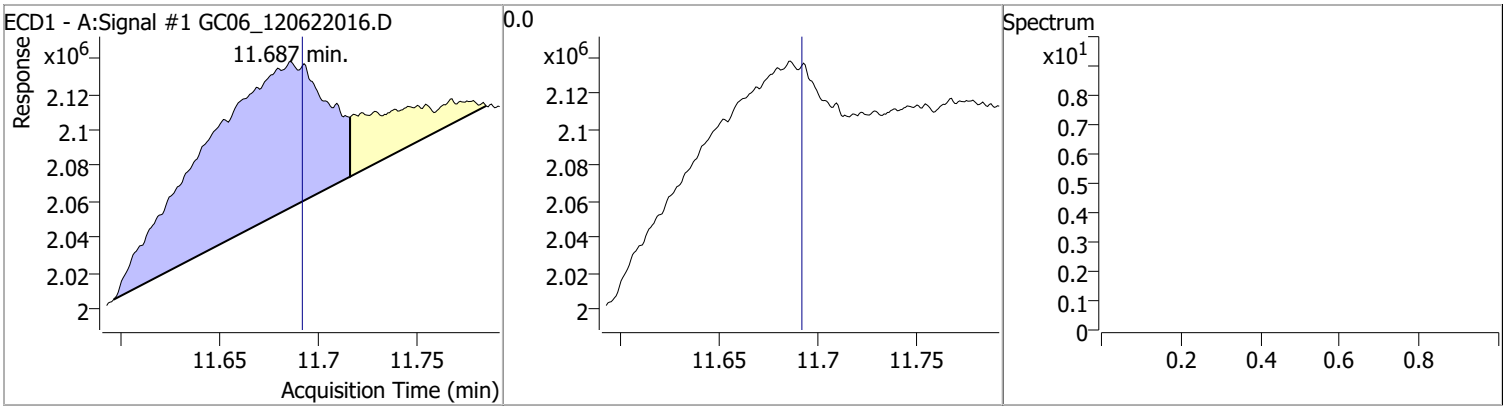
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	13.3296	11.01	0.00	105311				



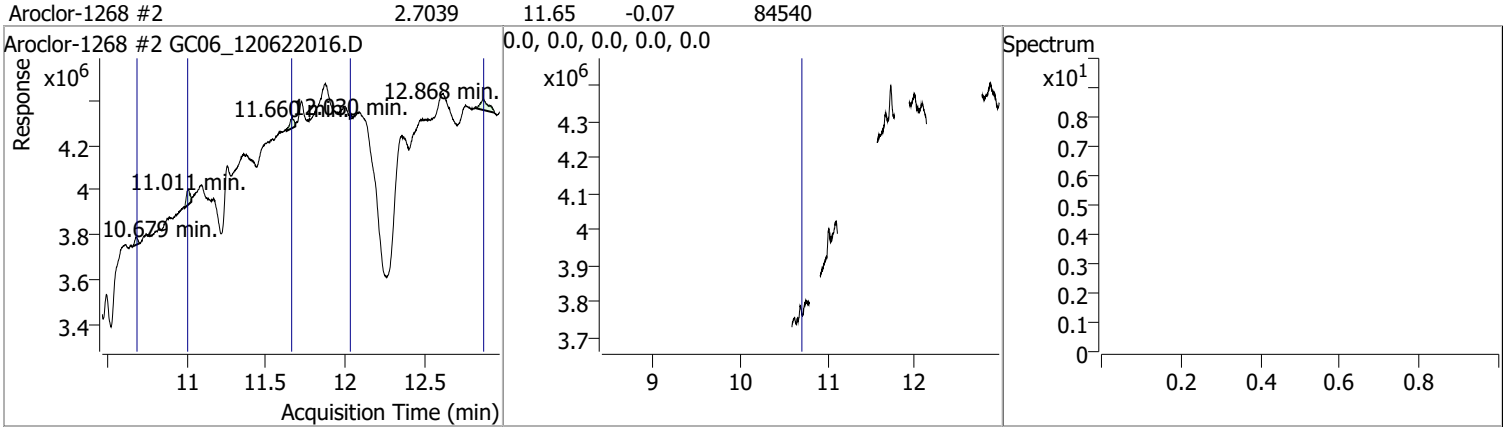
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	2.7603	11.66	0.00	86012				



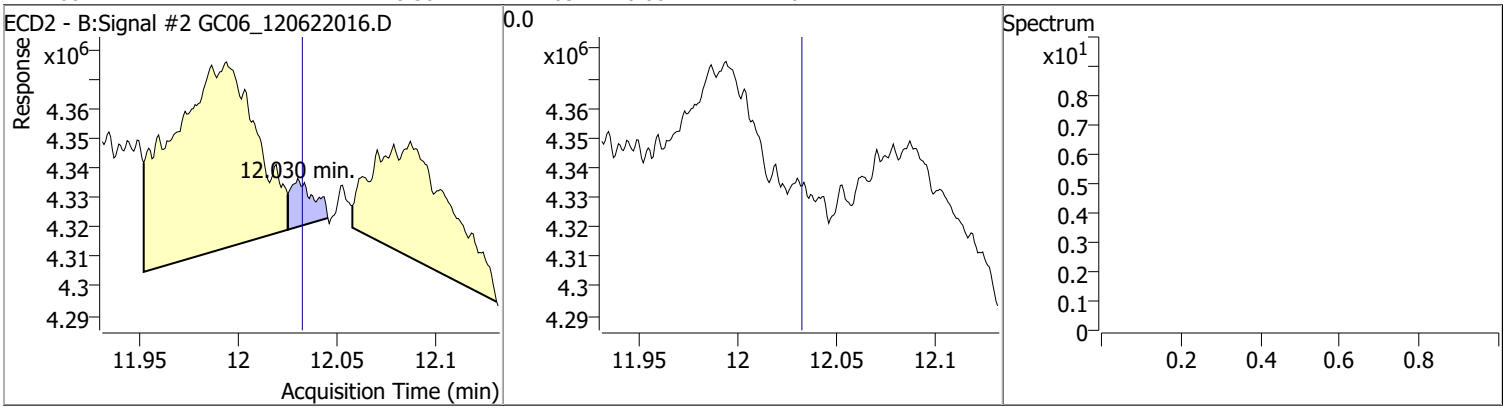
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	13.7608	11.69	-0.01	383466				



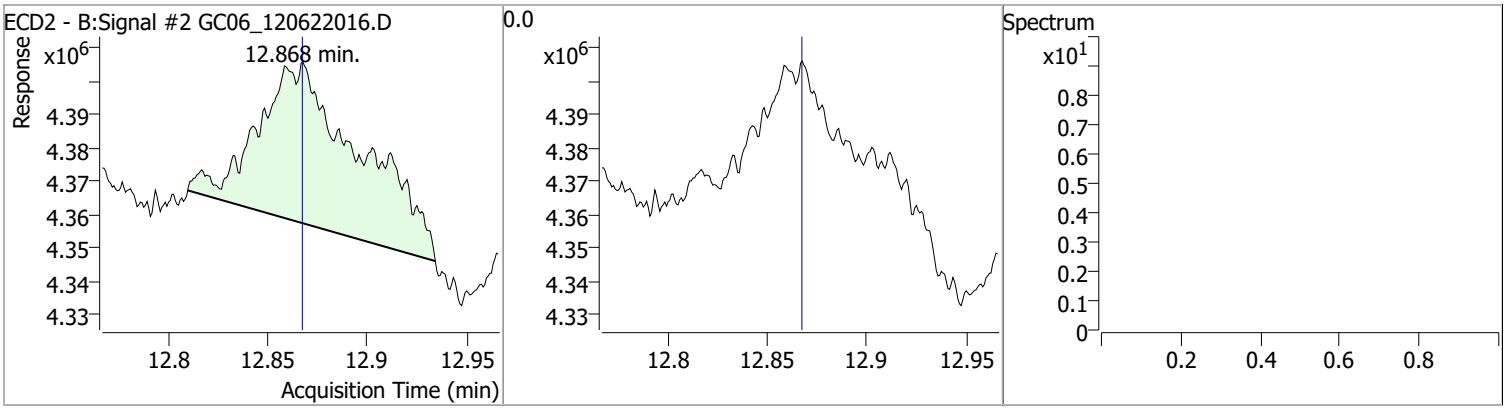
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	2.7039	11.65	-0.07	84540				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	0.5047	12.03	0.00	12767				

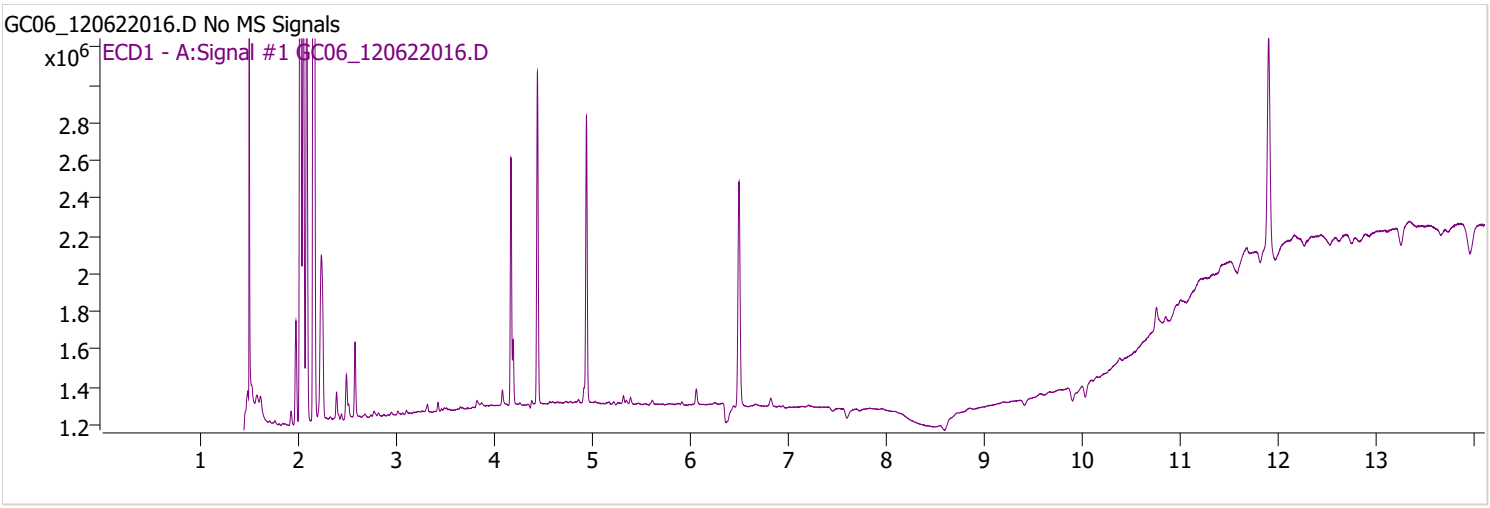


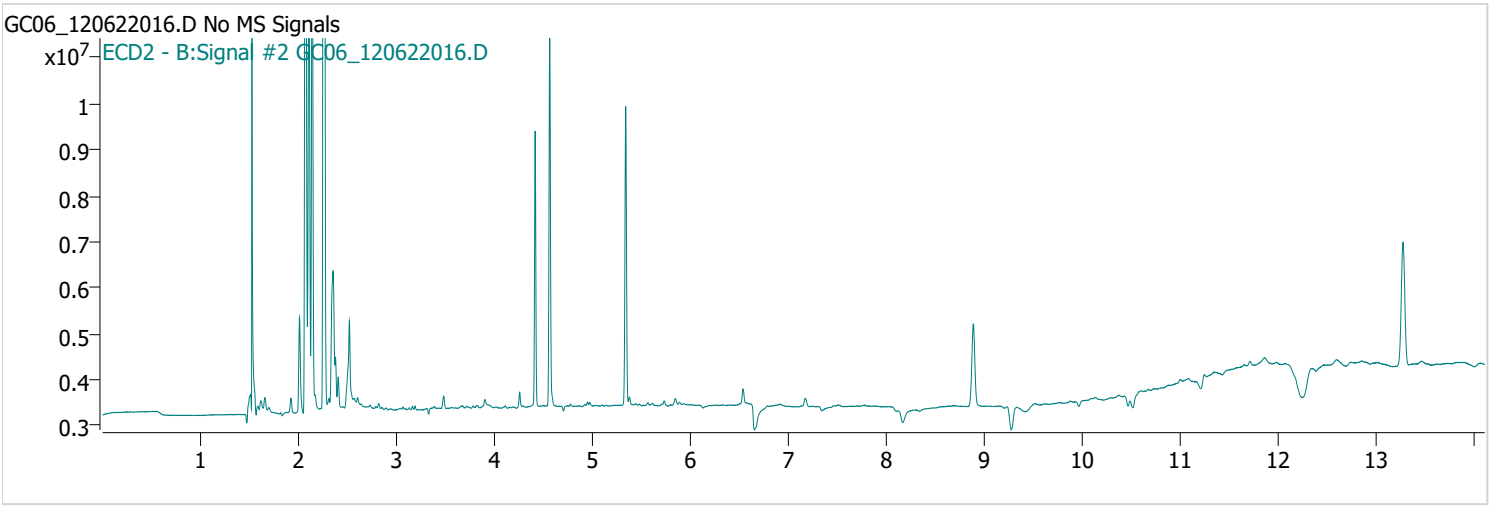
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	2.0252	12.87	0.00	173213				



Quantitation Results Report (Not Reviewed)

Data File	GC06_120622016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 1:09:35 PM
Sample Name	473364-011, 302486, 1	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_9.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



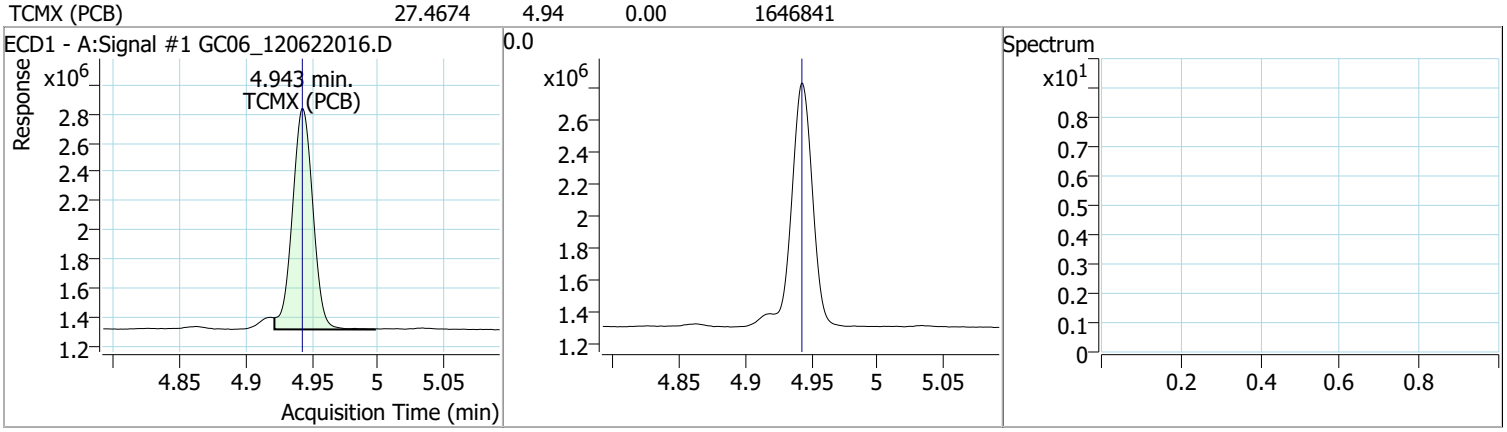


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.172	0.0	1247055.308	20.0000	ng/ml	-0.004
M 1-bromo-2-nitrobenzene (PCB) #2	4.419	0.0	5329737.661	20.0000	ng/ml	-0.003
System Monitoring Compounds						
S TCMX (PCB)	4.943	0.0	1646841.052	27.4674	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 137.34%		
S TCMX (PCB) #2	5.344	0.0	7114944.408	27.7973	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 138.99%		
S Decachlorobiphenyl (PCB)	11.912	0.0	2291052.250	25.9897	ng/ml	-0.011
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 129.95%		
S Decachlorobiphenyl (PCB) #2	13.285	0.0	6752606.062	22.7958	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 113.98%		
Target Compounds						QValue

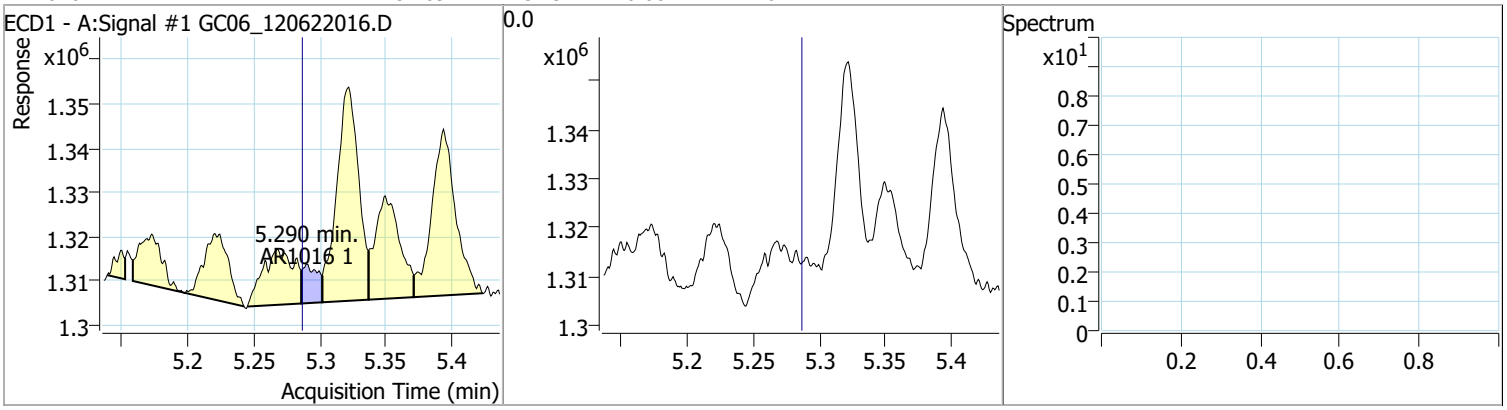
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.290	0.0	7072.055	5.4091	ng/ml	100
T AR1016 2	5.614	0.0	43961.922	1.5209	ng/ml	100
T AR1016 1 #2	5.851	0.0	277971.450	50.1816	ng/ml	100
T AR1016 3	6.065	0.0	119531.458	36.0587	ng/ml	100
T AR1016 4	6.256	0.0	439550.074	174.3421	ng/ml	100
T AR1016 2 #2	6.256	0.0	145631.310	18.2125	ng/ml	100
T AR1016 5	6.670	0.0	35260.819	17.3638	ng/ml	100
T AR1016 3 #2	6.921	0.0	3301846.910	227.2552	ng/ml	100
T AR1016 4 #2	6.921	0.0	166825.070	16.0833	ng/ml	100
T AR1016 5 #2	7.697	0.0	22565.285	2.6764	ng/ml	100
T AR1260 1	8.557	0.0	65791.960	15.6041	ng/ml	100
T AR1260 2	9.200	0.0	1810.434	0.2817	ng/ml	100
T AR1260 3	9.589	0.0	77326.289	11.5120	ng/ml	100
T AR1260 1 #2	9.893	0.0	332205.337	20.9445	ng/ml	100
T AR1260 4	10.006	0.0	289709.496	66.2196	ng/ml	100
T AR1260 2 #2	10.136	0.0	197674.025	10.3724	ng/ml	100
T AR1260 5	0.000		0	N.D.		
T AR1260 3 #2	10.495	0.0	154373.325	6.3995	ng/ml	100
T AR1260 4 #2	11.011	0.0	280284.503	0.0000	ng/ml	100
T AR1260 5 #2	11.722	0.0	192010.606	0.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

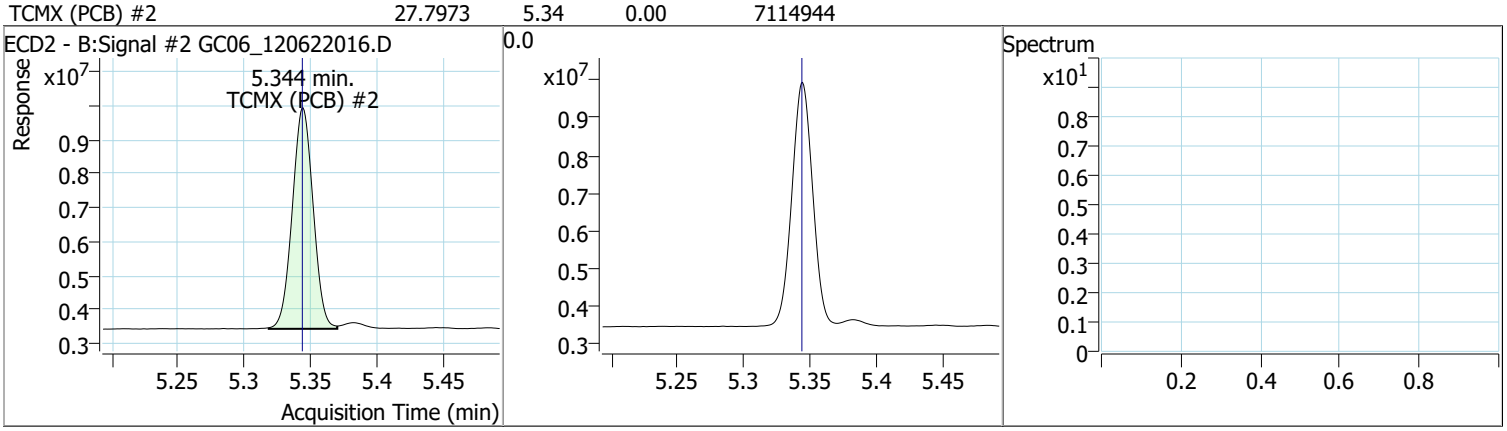
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	27.4674	4.94	0.00	1646841				



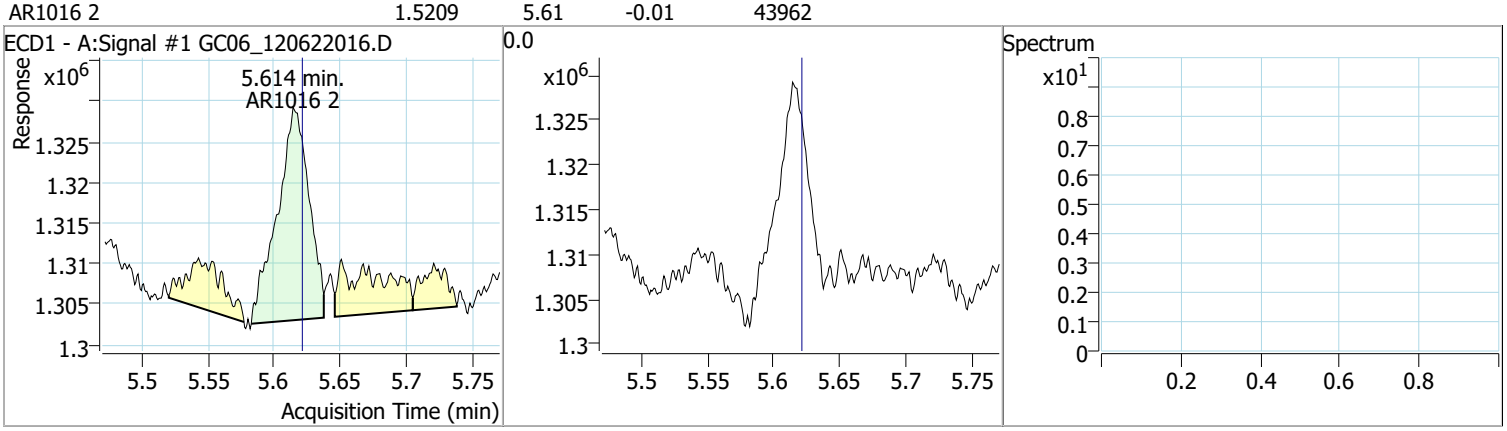
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	5.4091	5.29	0.00	7072				



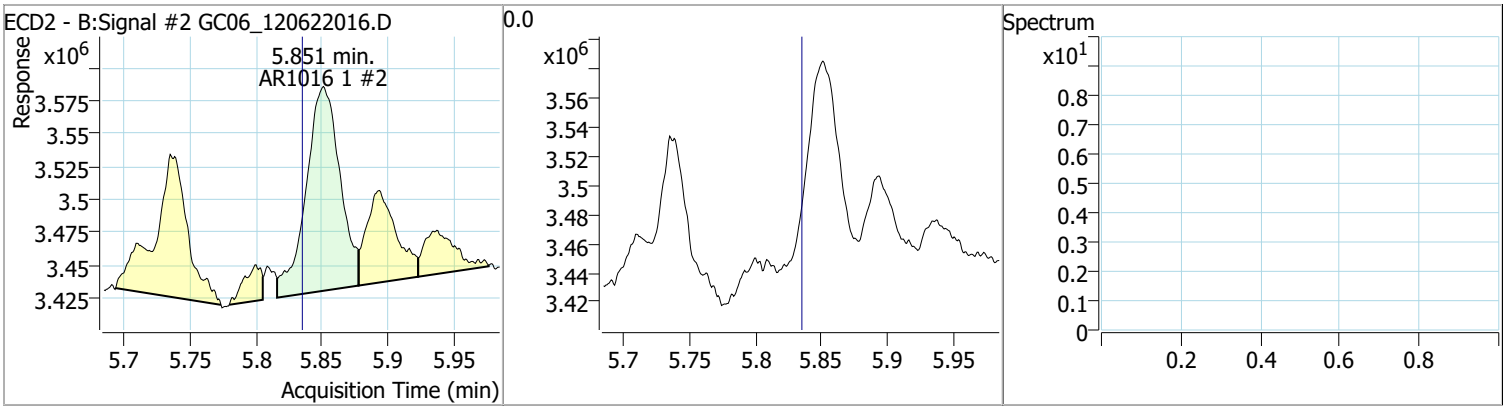
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	27.7973	5.34	0.00	7114944				



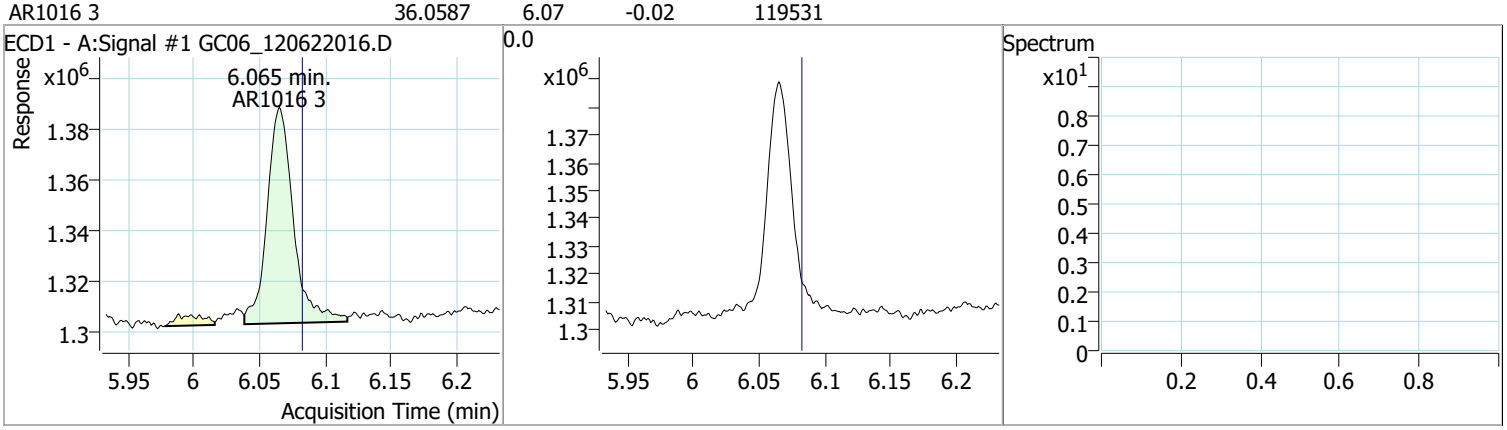
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1.5209	5.61	-0.01	43962				



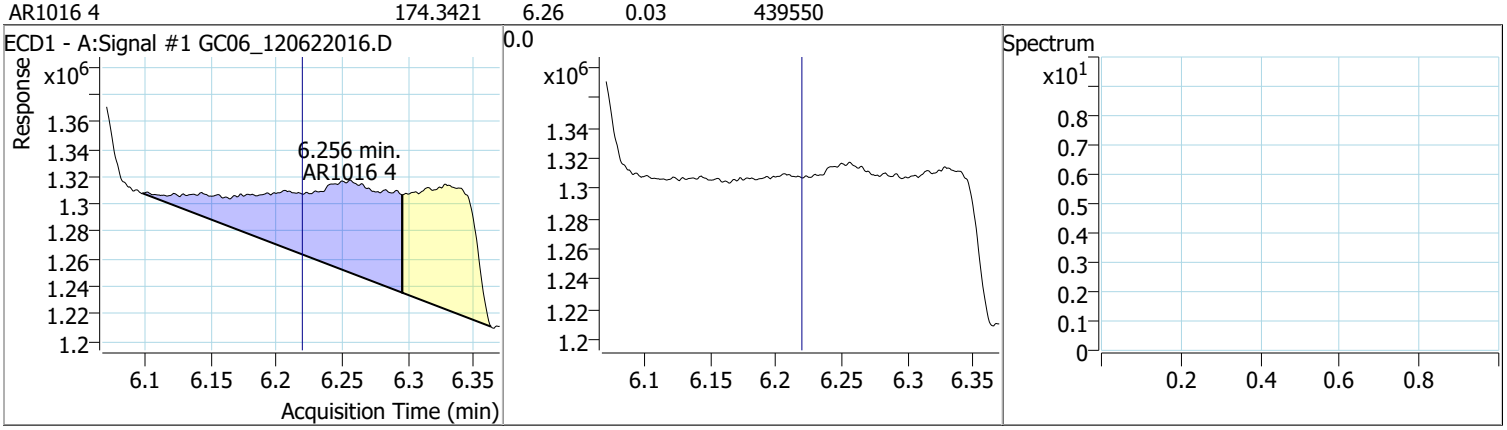
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	50.1816	5.85	0.01	277971				



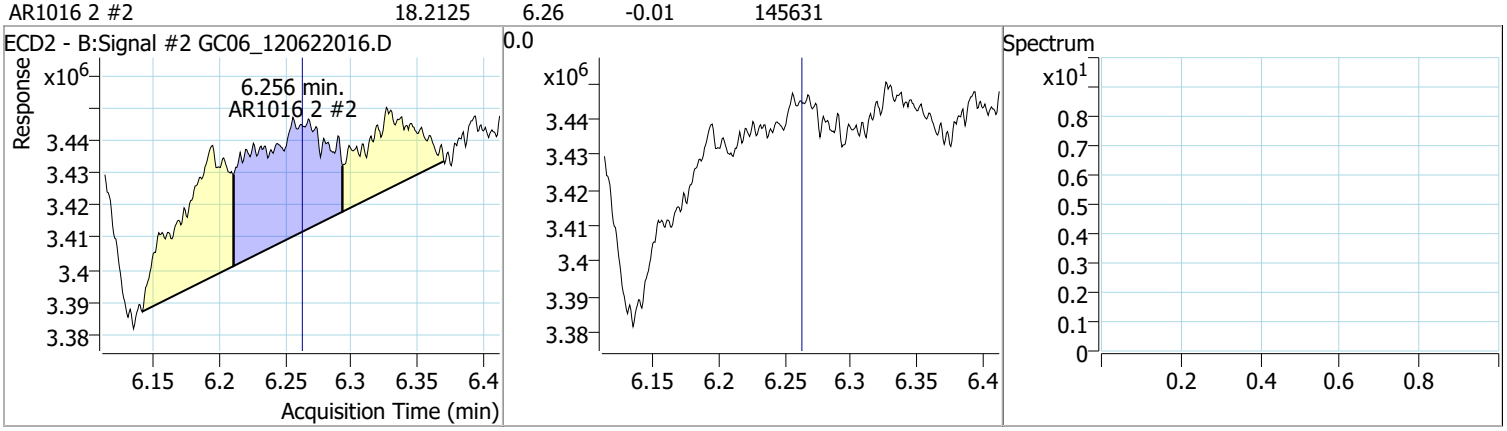
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	36.0587	6.07	-0.02	119531				



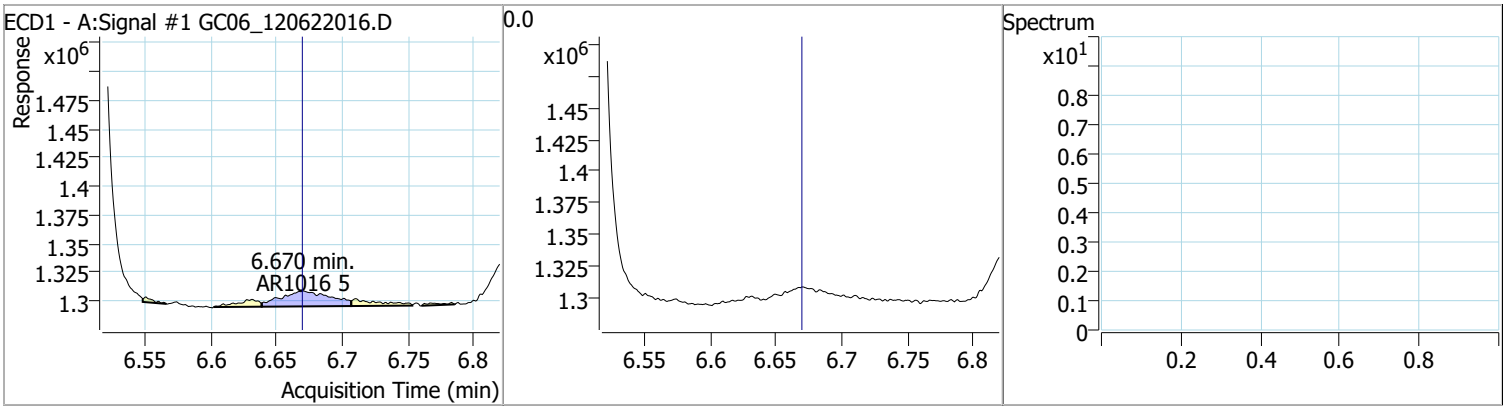
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	174.3421	6.26	0.03	439550				



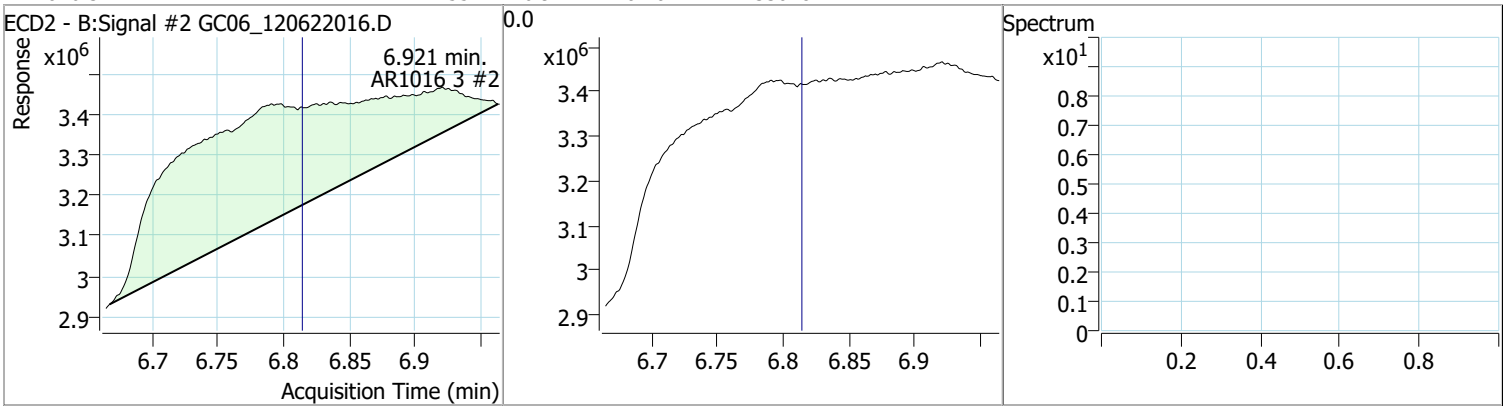
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	18.2125	6.26	-0.01	145631				



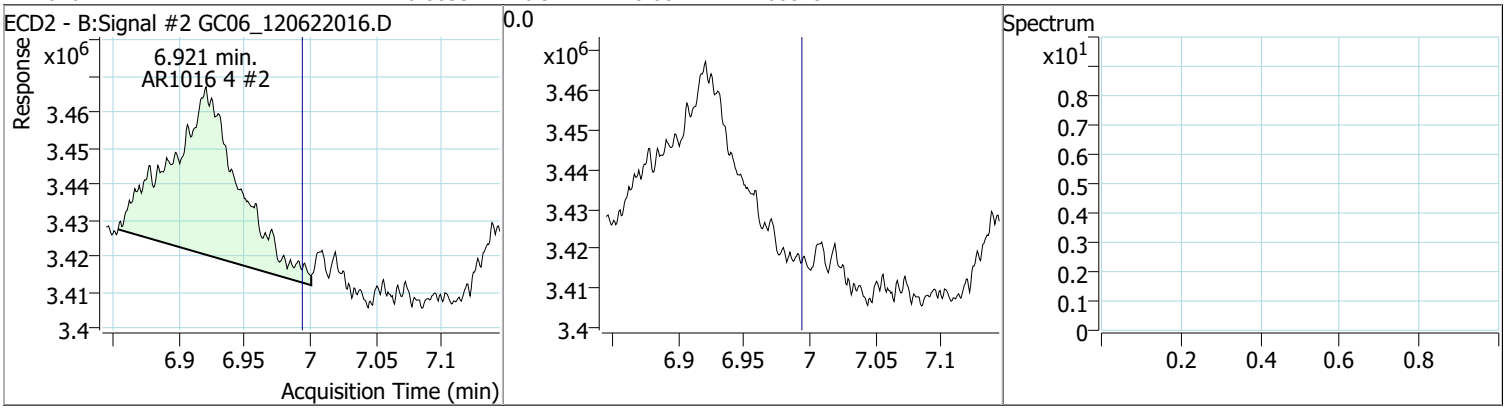
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	17.3638	6.67	-0.01	35261				



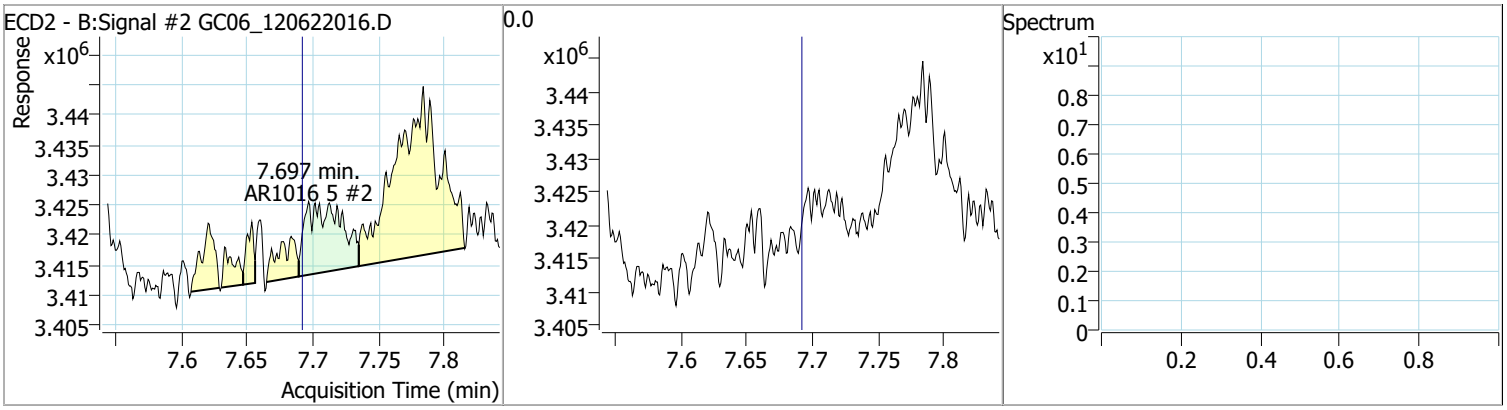
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	227.2552	6.92	0.10	3301847				



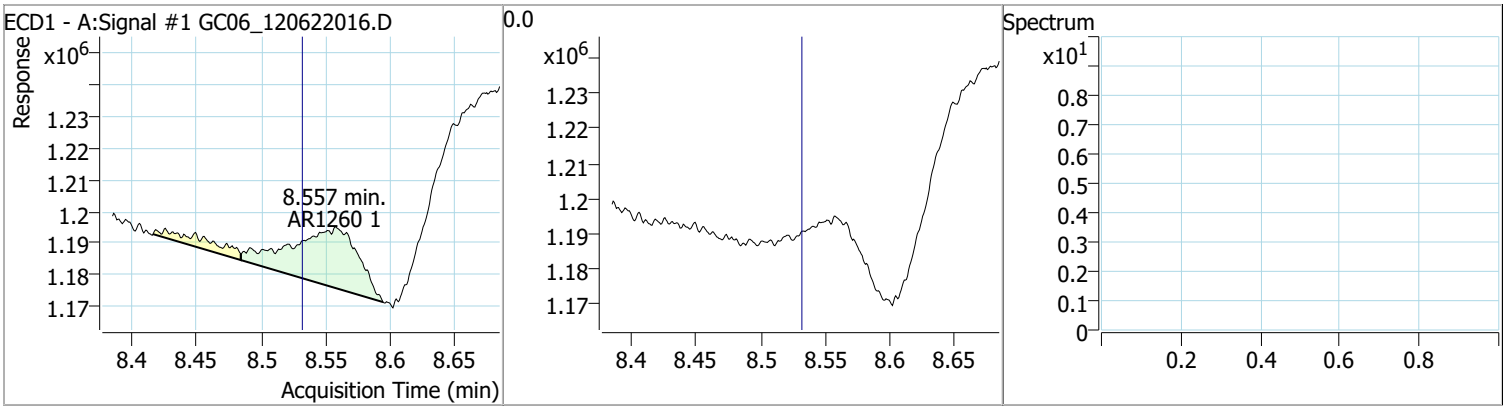
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	16.0833	6.92	-0.08	166825				



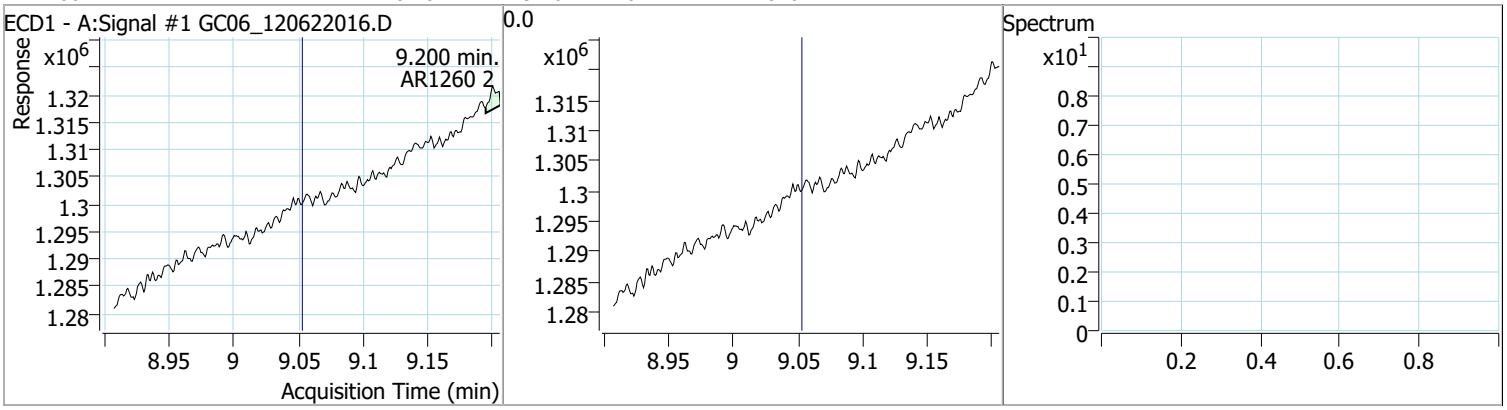
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.6764	7.70	0.00	22565				



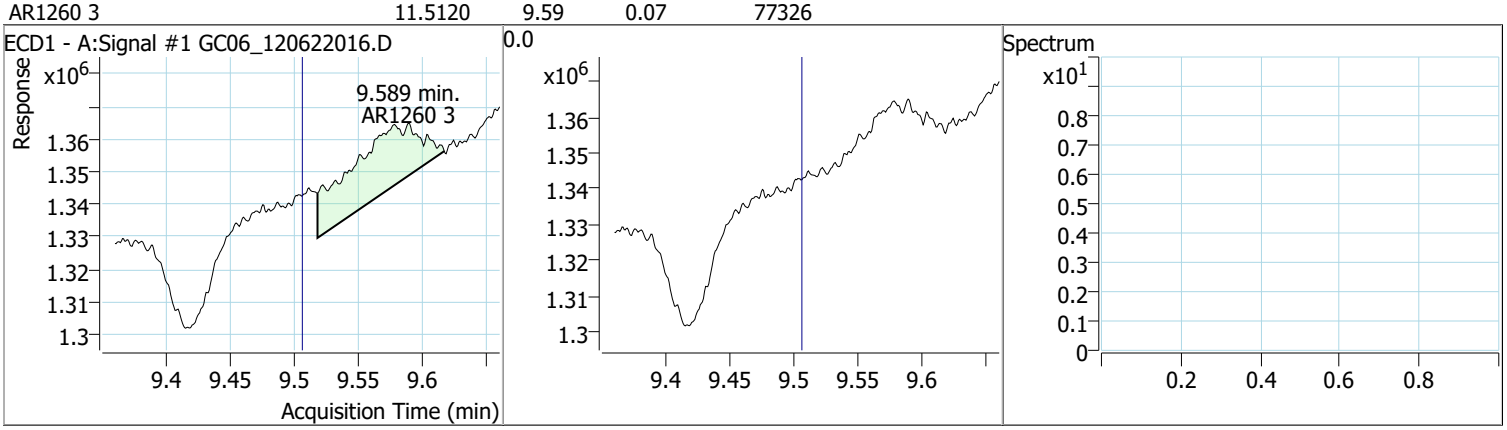
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	15.6041	8.56	0.02	65792				



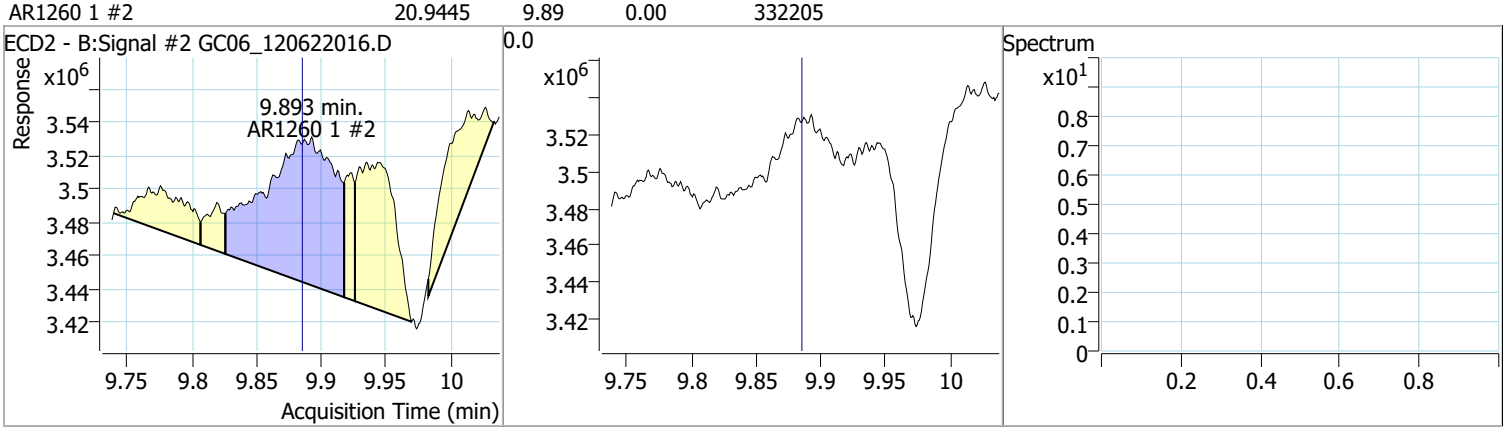
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.2817	9.20	0.14	1810				



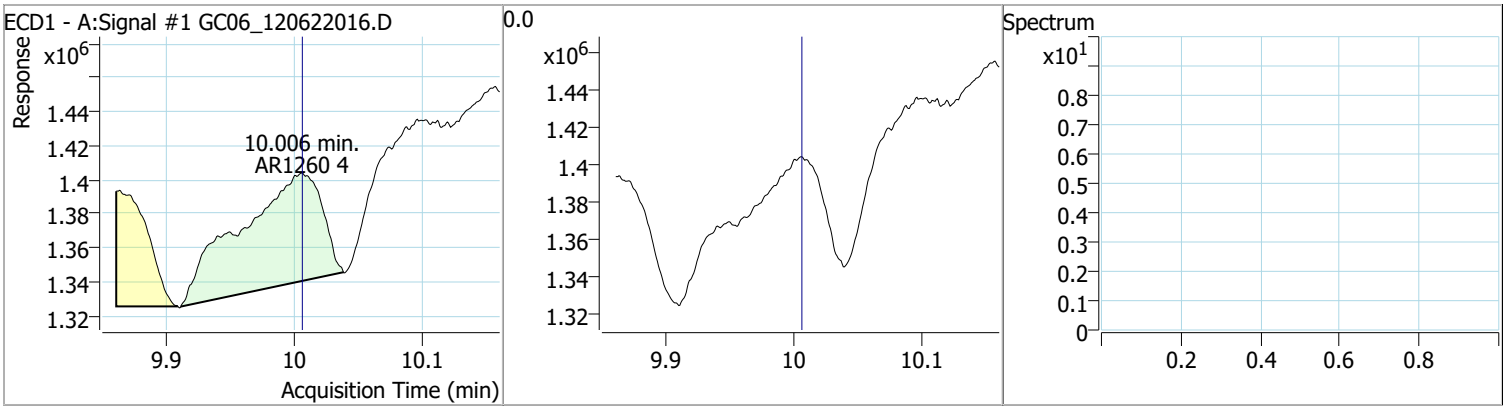
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	11.5120	9.59	0.07	77326				



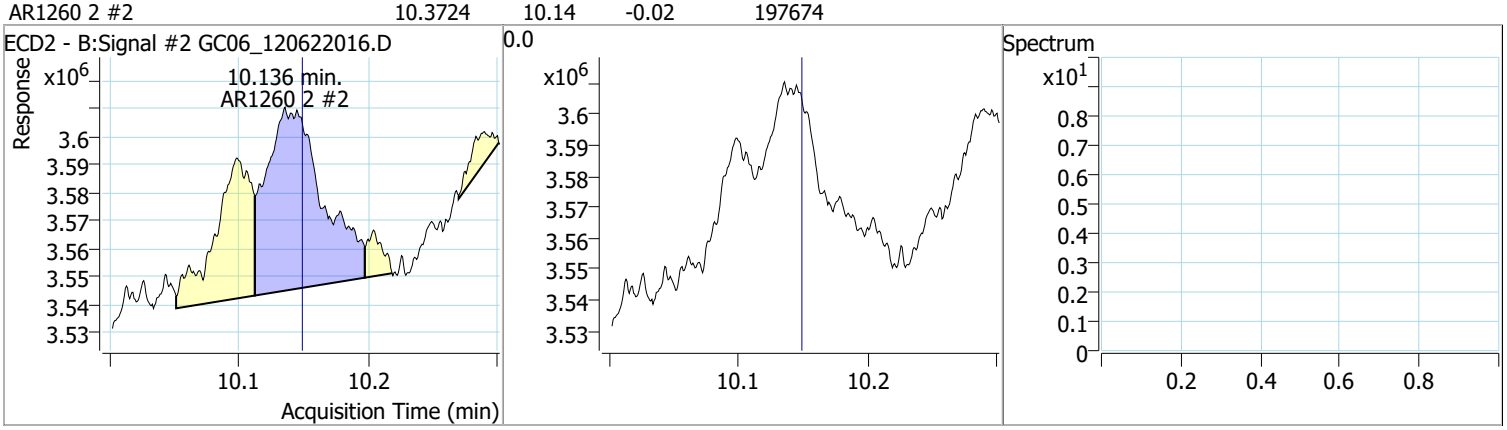
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	20.9445	9.89	0.00	332205				



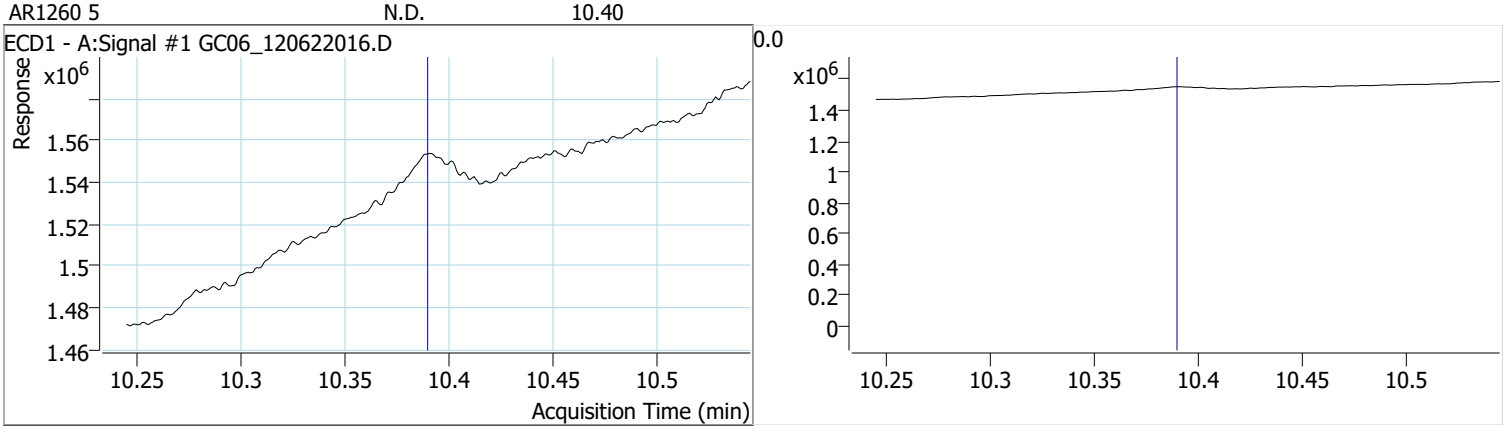
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	66.2196	10.01	-0.01	289709				



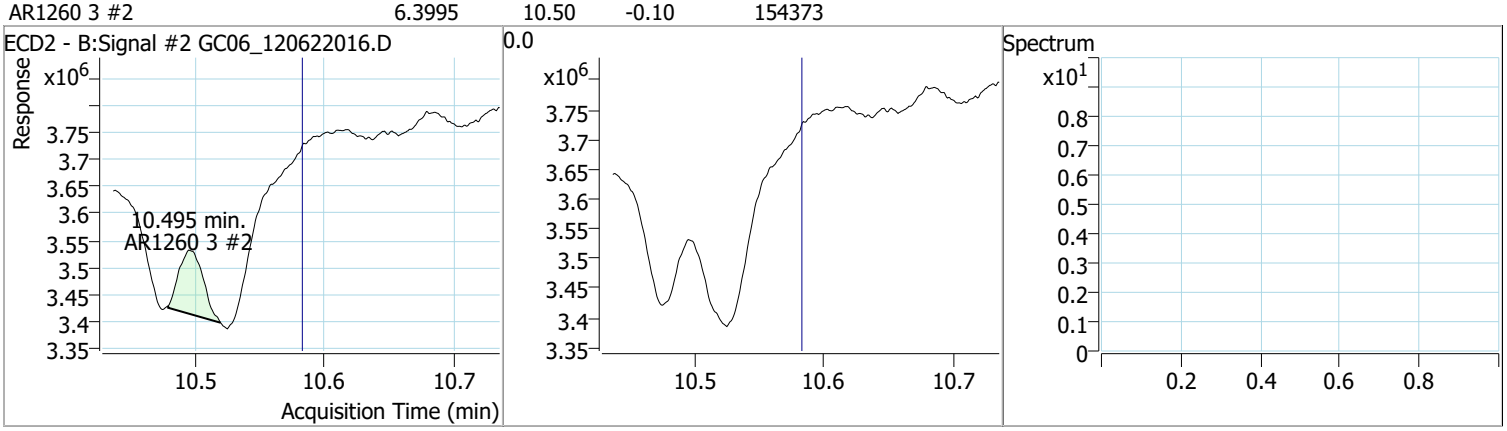
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	10.3724	10.14	-0.02	197674				



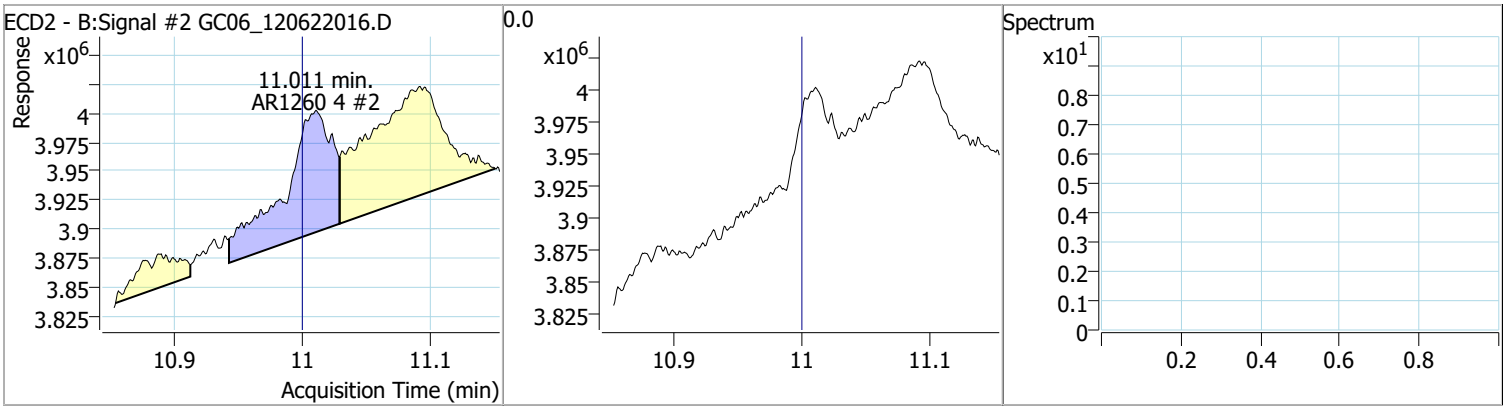
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 5	N.D.	10.40		



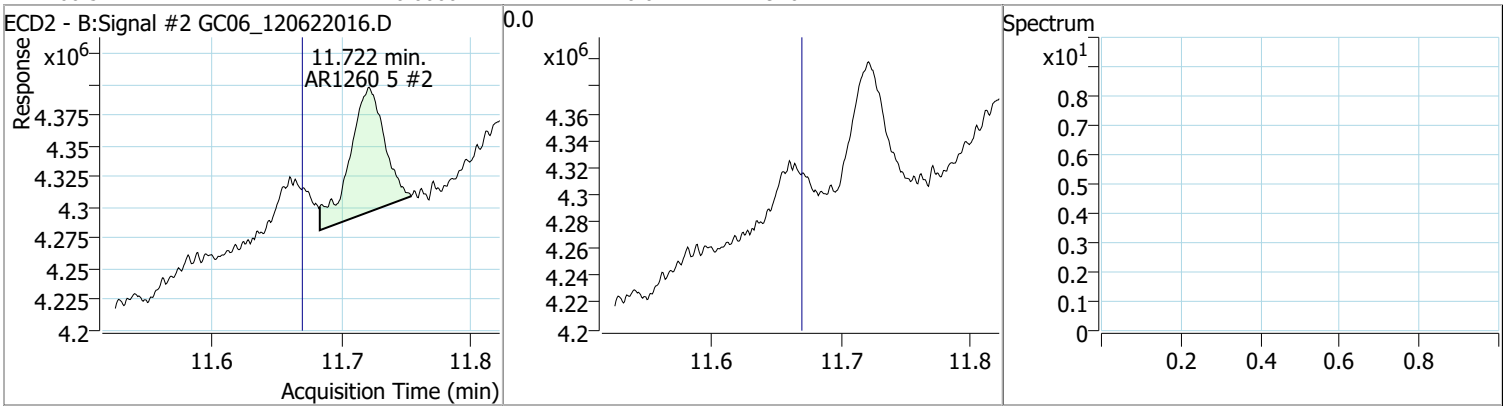
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	6.3995	10.50	-0.10	154373				



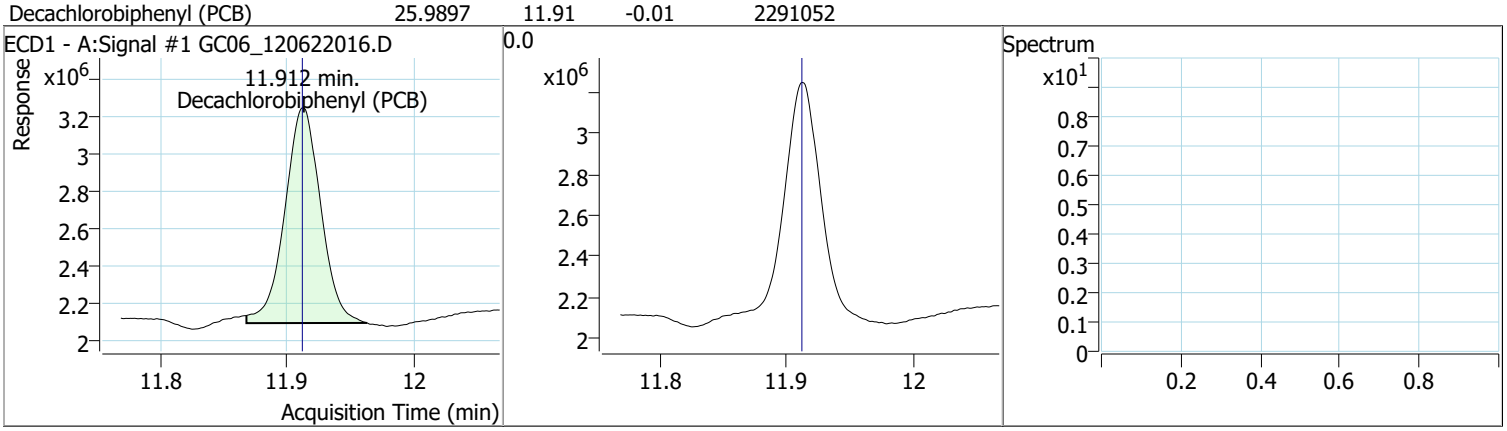
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.01	0.00	280285				



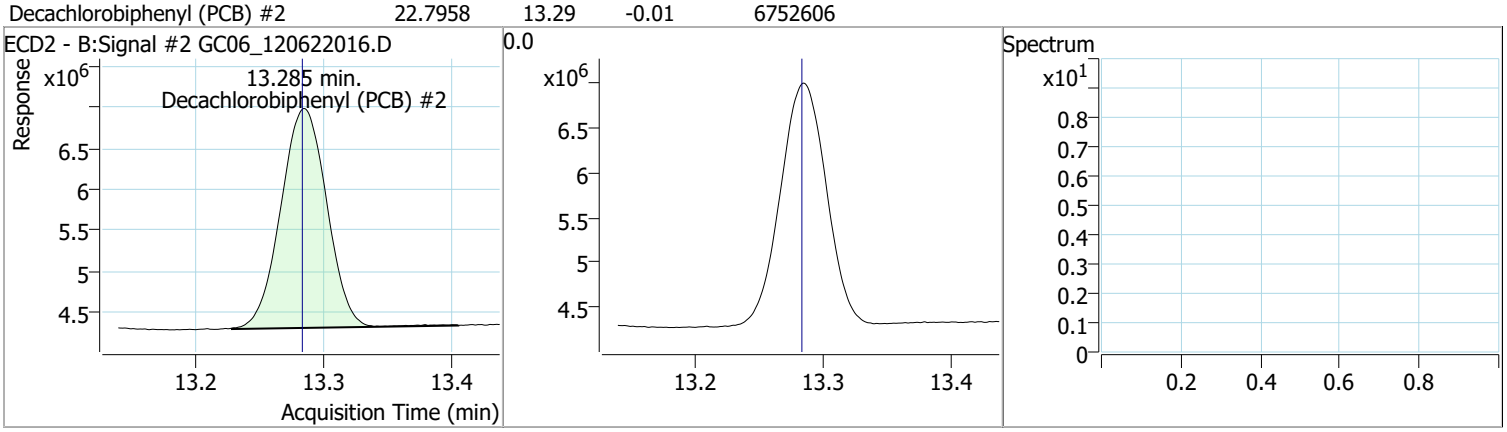
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.0000	11.72	0.04	192011				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	25.9897	11.91	-0.01	2291052				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	22.7958	13.29	-0.01	6752606				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 473364 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1029966		
Seqnum:	452490110006.11	Matrix:	Wipe		
File:	gc06_120622006	Batch:	302486	Time:	06-DEC-2022 10:06
Cal:	452428510002	Caldate:	24-OCT-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	129.0	~~1.3~~ FP	0.66	65%	0.50	x u
Aroclor-1221	A		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	9.060	ND	0.19	70%	0.50	u
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	35.25	0.5000	0.3525	71	19-121	u
Decachlorobiphenyl (PCB)	A	33.53	0.5000	0.3353	67	19-121	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_120622001)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4549134	5901672	29.73
1-bromo-2-nitrobenzene (PCB)	A	1091103	1308305	19.91

ISTD (ICAL gc06_120622005)	Ch	ICAL Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (1268)	B	4929107	**???**	**-100.00 ***
1-bromo-2-nitrobenzene (1268)	A	1140077	**???**	**-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_120622001)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.17	4.17	0.00

ISTD (ICAL gc06_120622005)	Ch	ICAL RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (1268)	B	4.42	**???**	
1-bromo-2-nitrobenzene (1268)	A	4.17	**???**	

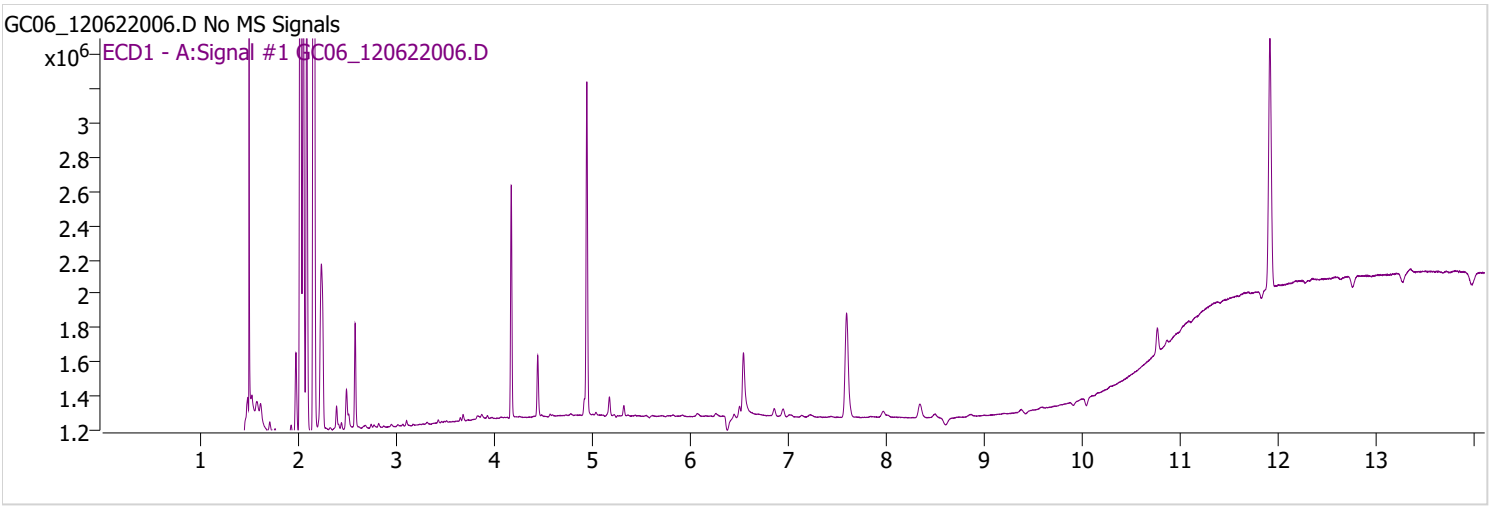
u=use x=false positive

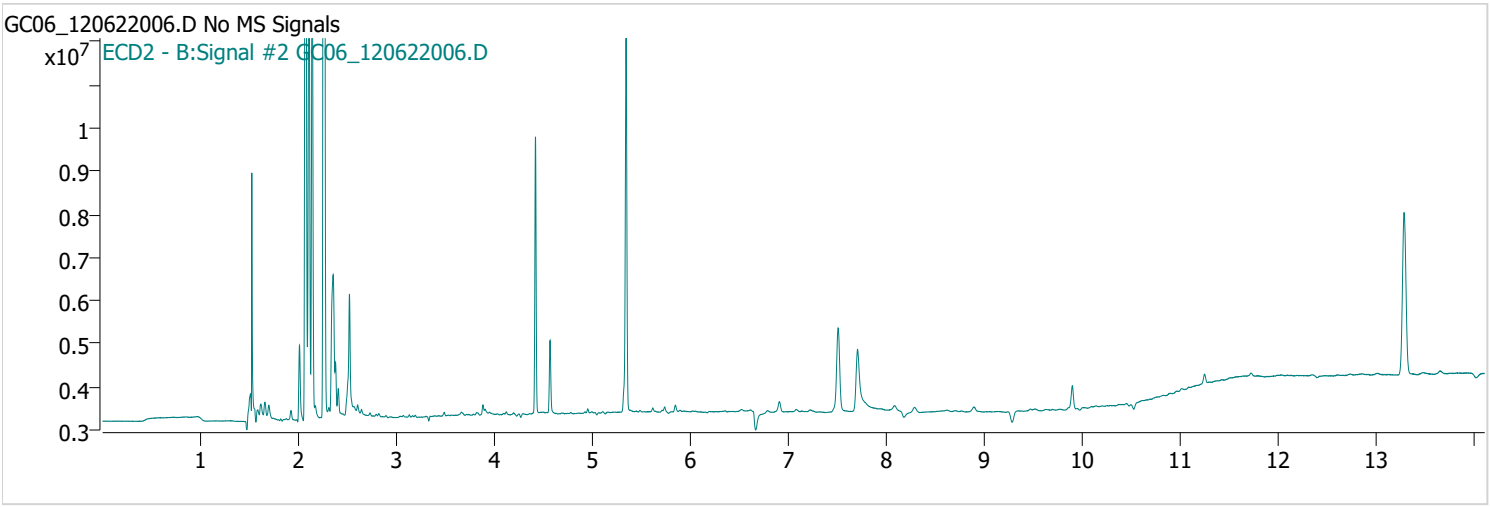
Analyst: TJW 12/08/22 *

Reviewer: LW 12/08/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC06_120622006.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 10:06:29 AM
Sample Name	QC1029966, 302486, 1	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_9.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



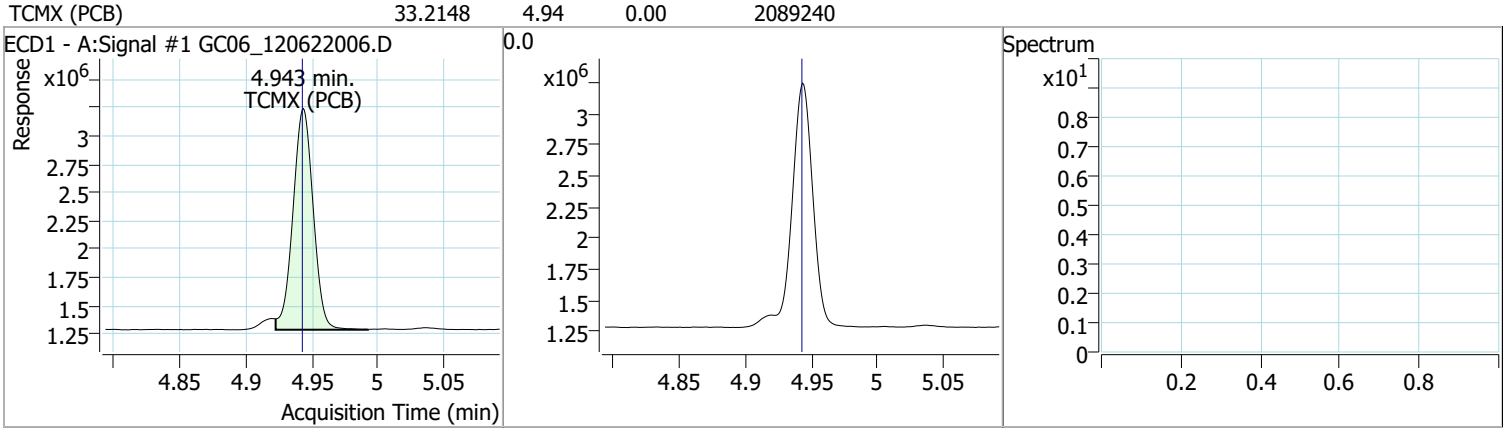


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.172	0.0	1308304.598	20.0000	ng/ml		-0.004
M 1-bromo-2-nitrobenzene (PCB) #2	4.419	0.0	5901672.386	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.943	0.0	2089239.654	33.2148	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.07%		*	
S TCMX (PCB) #2	5.344	0.0	9991366.597	35.2522	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.26%		*	
S Decachlorobiphenyl (PCB)	11.916	0.0	3001678.292	33.5324	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.66%		*	
S Decachlorobiphenyl (PCB) #2	13.285	0.0	9475090.406	29.4513	ng/ml		-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 147.26%			
Target Compounds							QValue

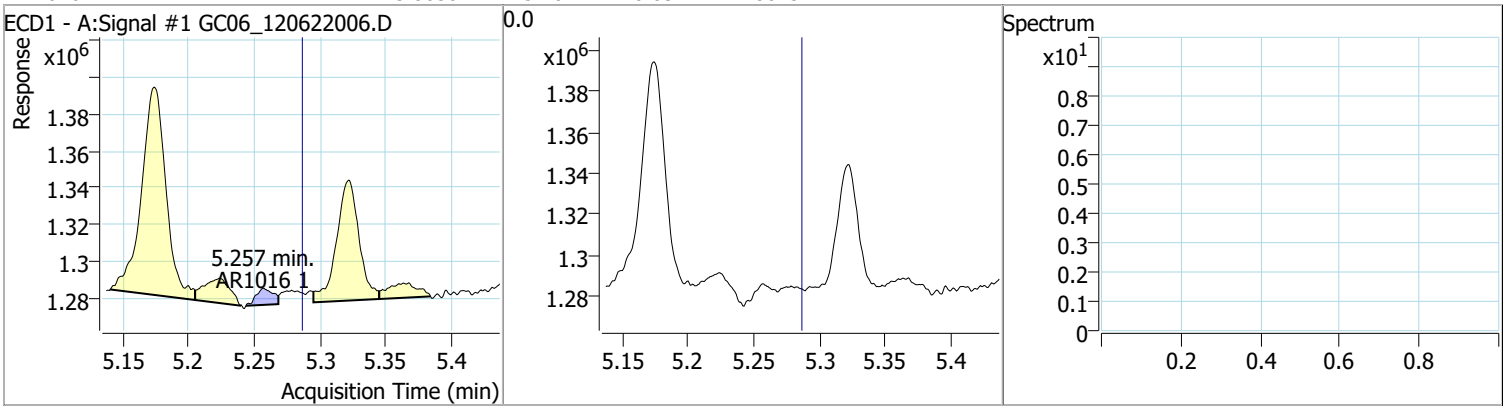
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	5.257	0.0	8044.822	5.8650	ng/ml	100
T AR1016 2	5.613	0.0	32662.043	0.0000	ng/ml	100
T AR1016 1 #2	5.847	0.0	314817.065	51.3255	ng/ml	100
T AR1016 3	6.071	0.0	37679.179	10.8344	ng/ml	100
T AR1016 4	6.210	0.0	7080.354	2.6769	ng/ml	100
T AR1016 2 #2	6.287	0.0	48041.201	5.4257	ng/ml	100
T AR1016 5	6.542	0.0	663885.399	311.6175	ng/ml	100
T AR1016 3 #2	6.910	0.0	2530720.254	157.3011	ng/ml	100
T AR1016 4 #2	6.910	0.0	460071.444	40.0562	ng/ml	100
T AR1016 5 #2	7.707	0.0	3650952.851	391.0601	ng/ml	100
T AR1260 1	8.497	0.0	229200.793	51.8155	ng/ml	100
T AR1260 2	9.086	0.0	505.667	0.0750	ng/ml	100
T AR1260 3	9.592	0.0	46118.957	6.5446	ng/ml	100
T AR1260 1 #2	9.900	0.0	1109780.360	63.1874	ng/ml	100
T AR1260 4	10.008	0.0	189989.813	35.6046	ng/ml	100
T AR1260 2 #2	10.146	0.0	71159.557	3.3721	ng/ml	100
T AR1260 5	0.000		0	N.D.		
T AR1260 3 #2	10.496	0.0	92913.122	3.4784	ng/ml	100
T AR1260 4 #2	11.016	0.0	62376.589	0.0000	ng/ml	100
T AR1260 5 #2	11.723	0.0	295828.757	0.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

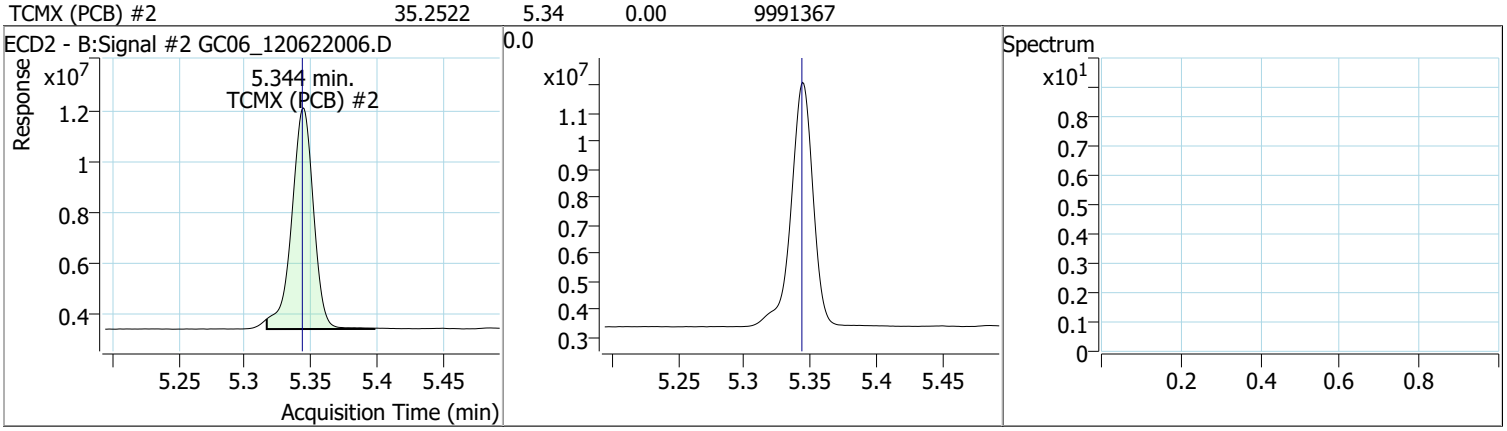
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.2148	4.94	0.00	2089240				



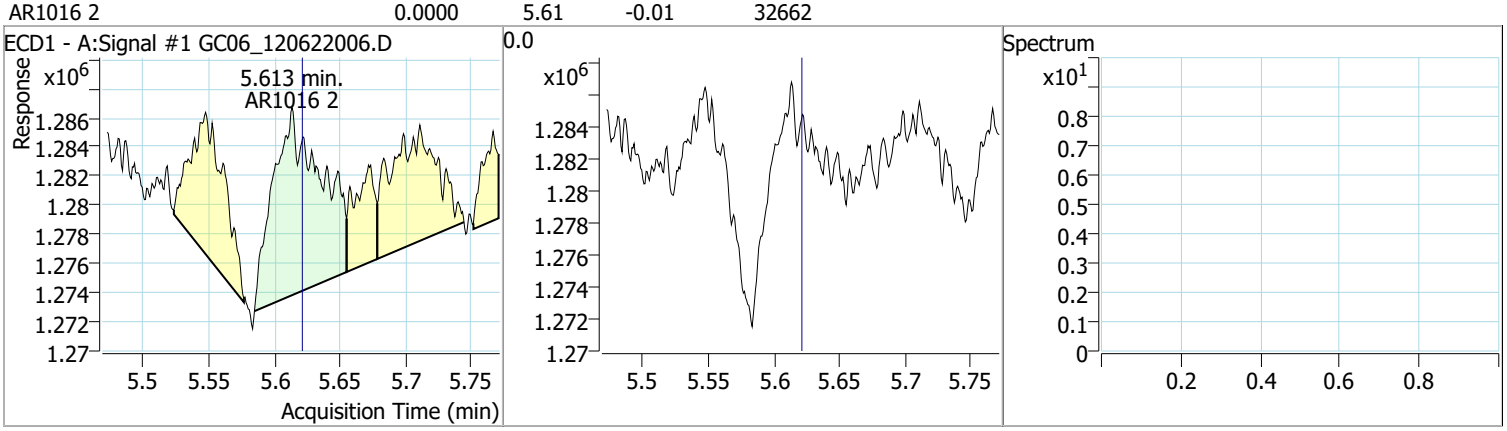
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	5.8650	5.26	-0.03	8045				



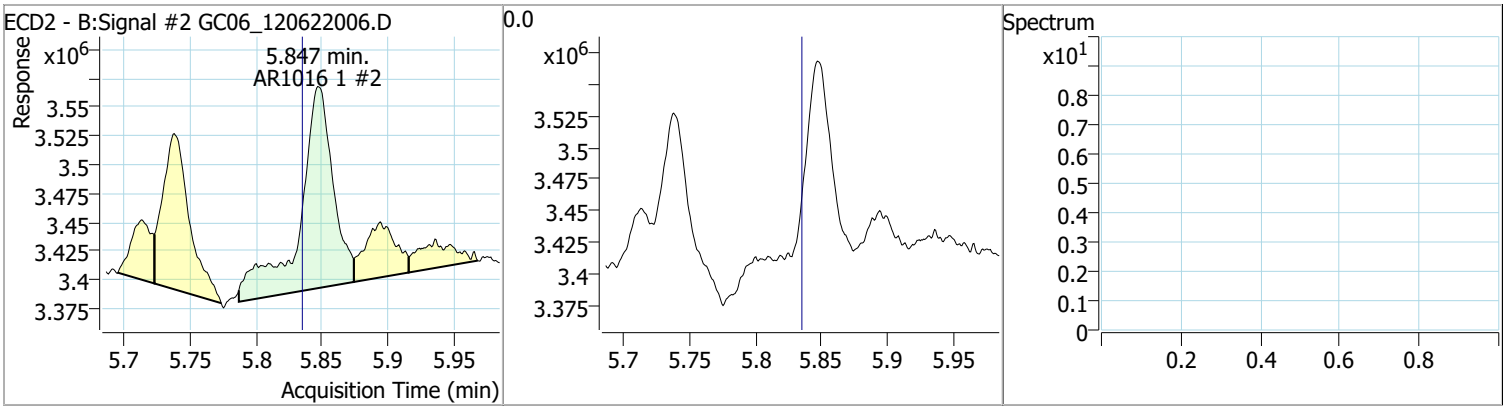
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.2522	5.34	0.00	9991367				



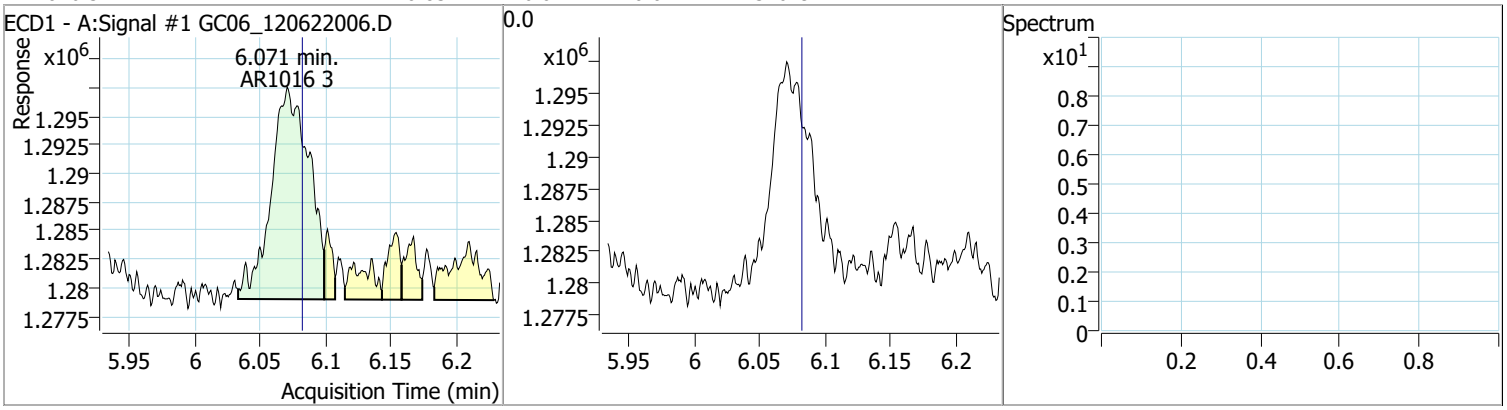
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	0.0000	5.61	-0.01	32662				



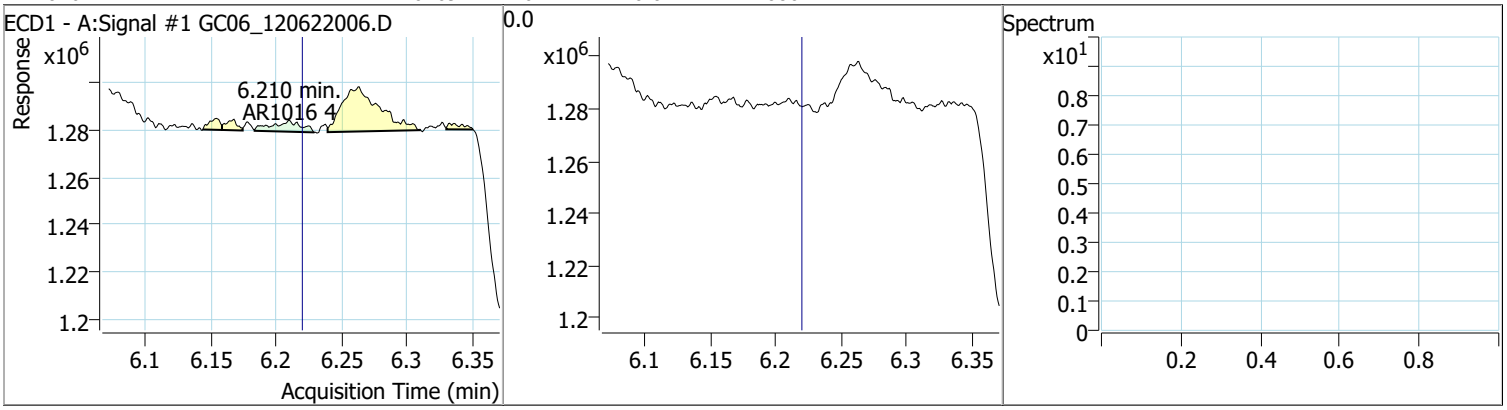
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	51.3255	5.85	0.01	314817				



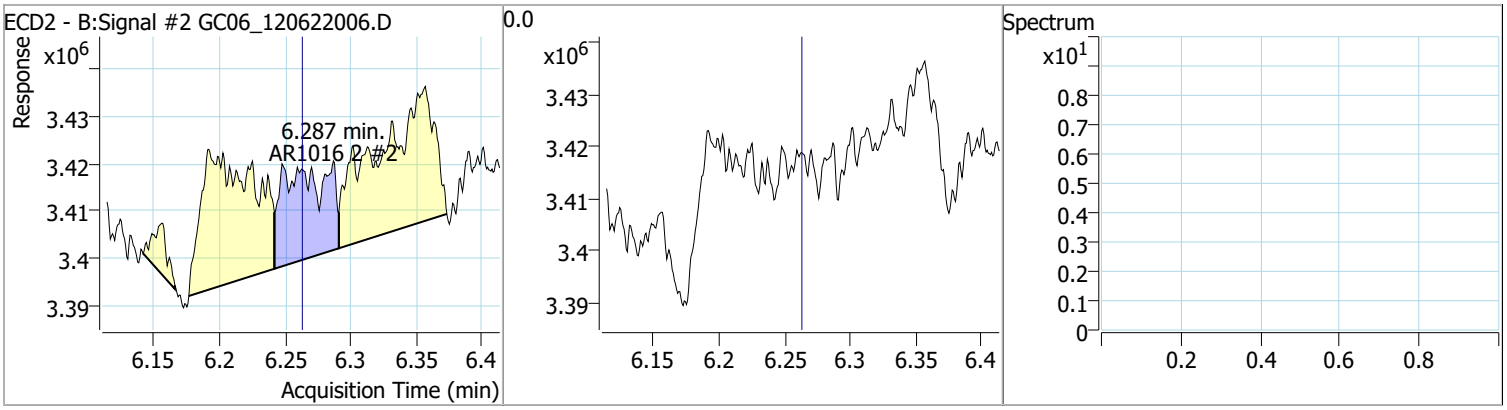
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	10.8344	6.07	-0.02	37679				



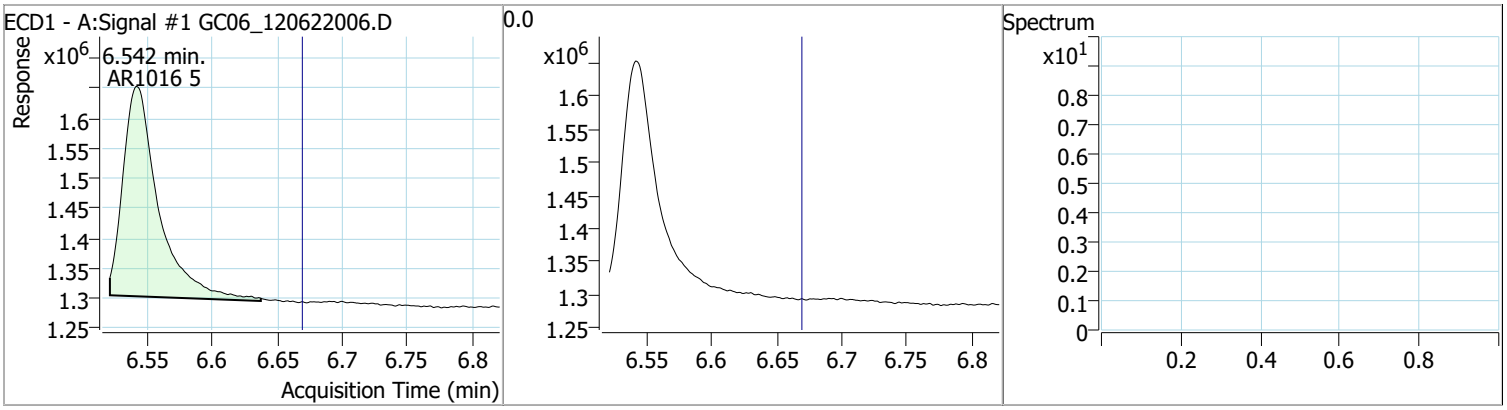
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2.6769	6.21	-0.02	7080				



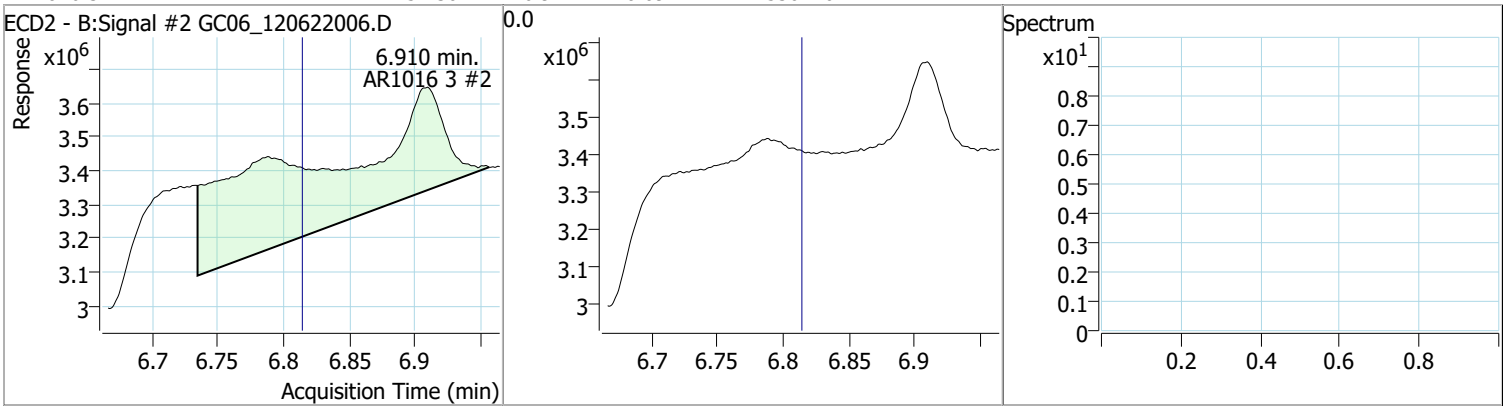
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	5.4257	6.29	0.02	48041				



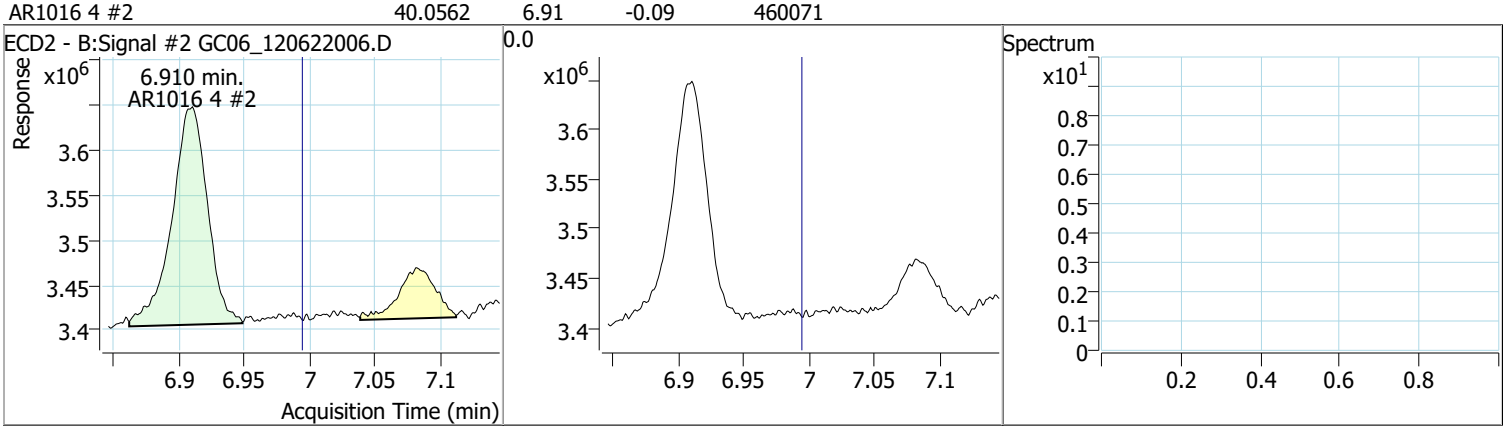
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	311.6175	6.54	-0.13	663885				



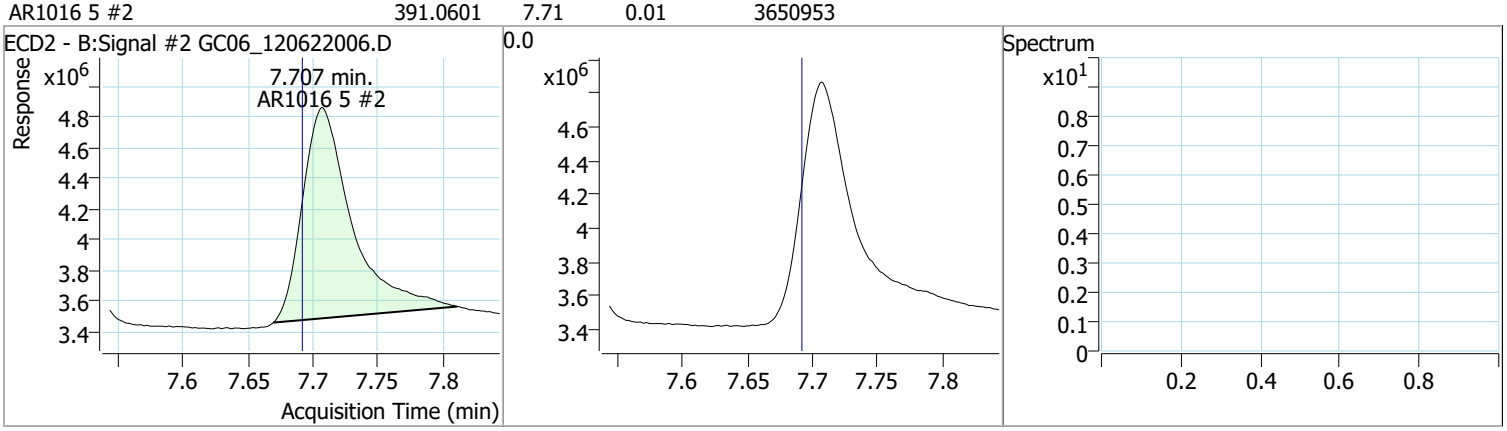
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	157.3011	6.91	0.09	2530720				



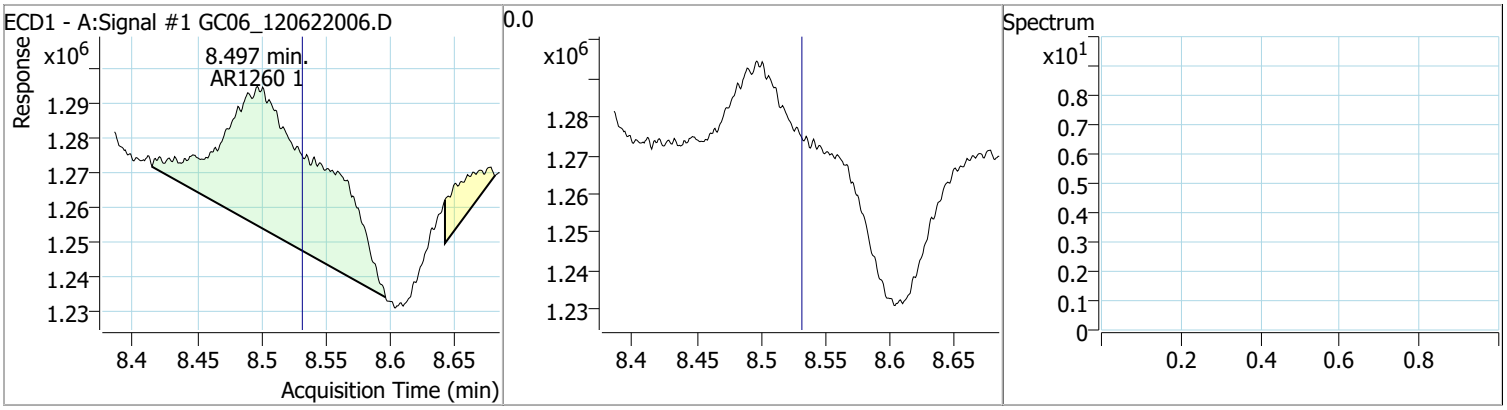
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	40.0562	6.91	-0.09	460071				



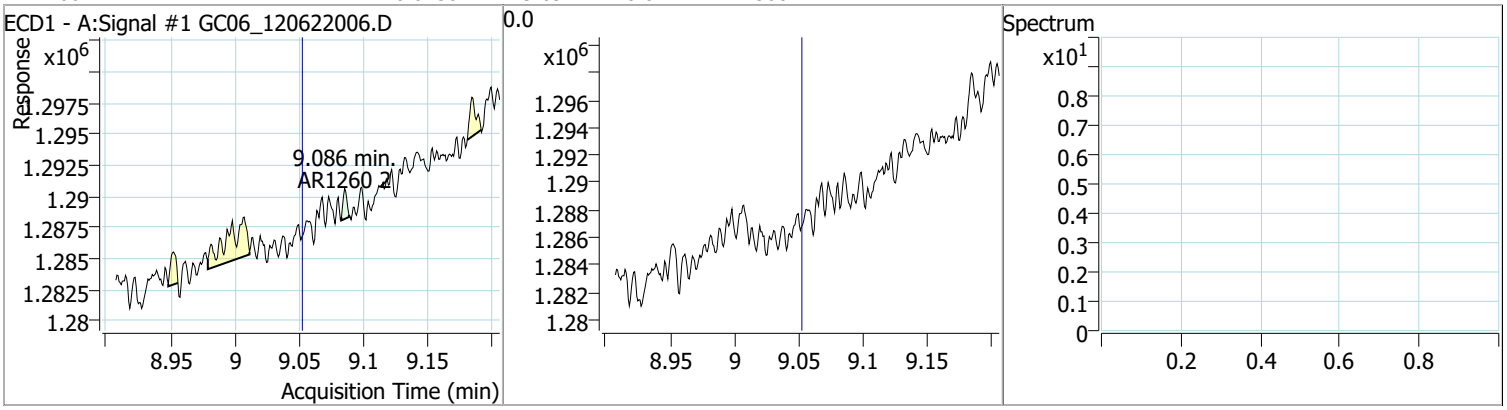
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	391.0601	7.71	0.01	3650953				



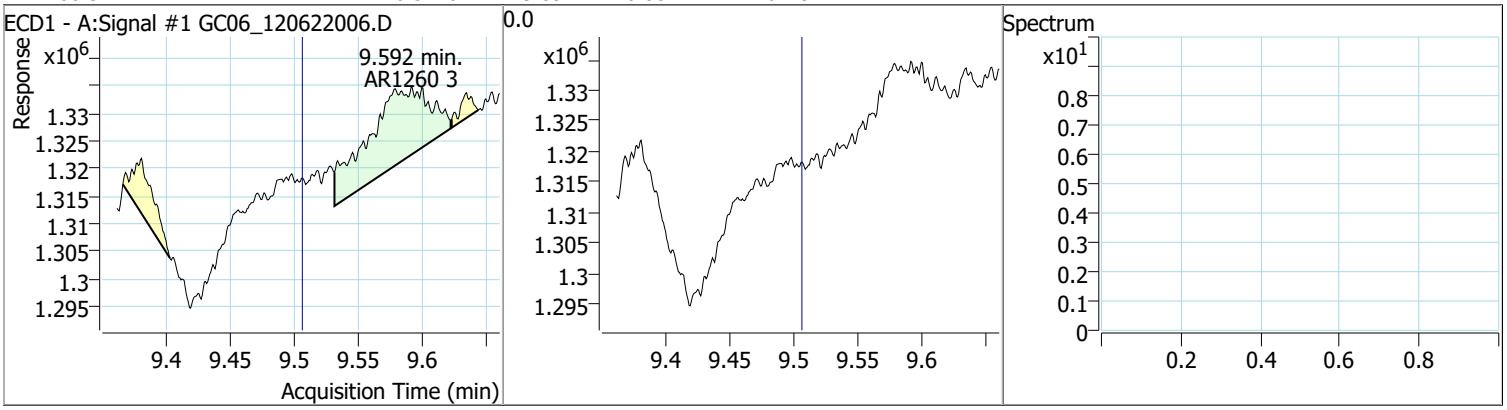
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	51.8155	8.50	-0.04	229201				



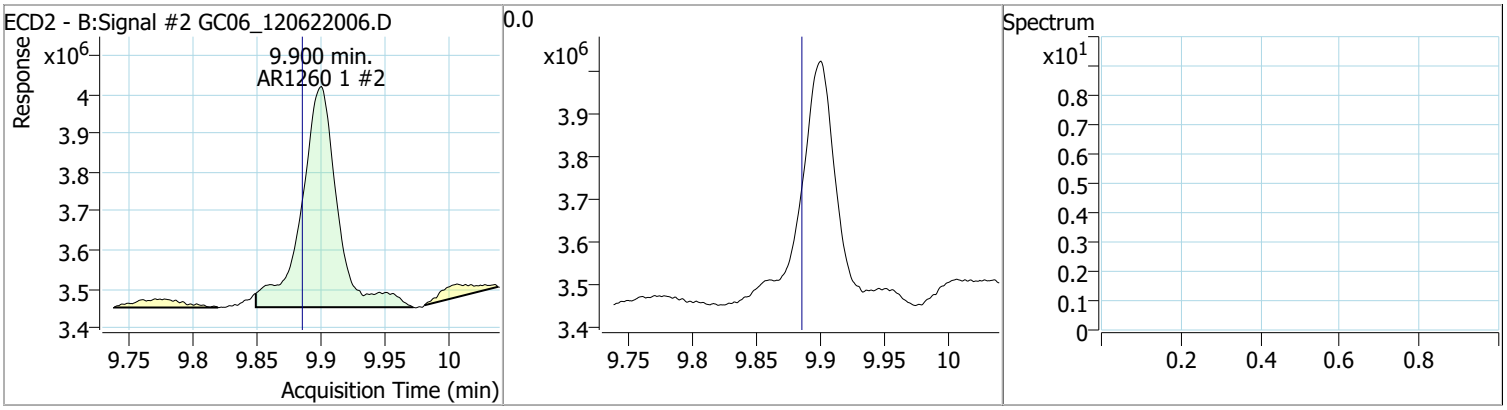
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.0750	9.09	0.02	506				



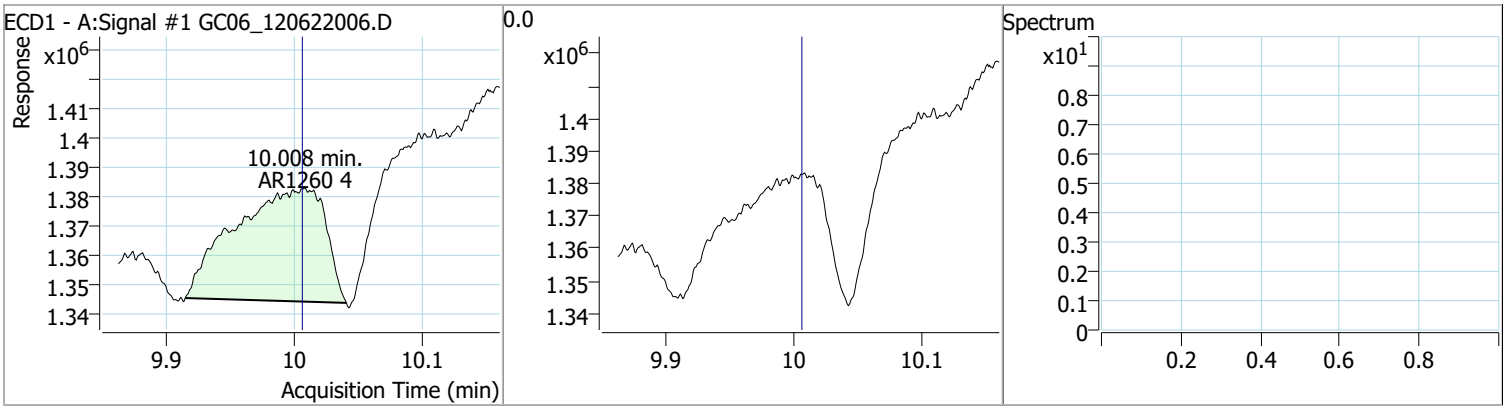
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.5446	9.59	0.08	46119				



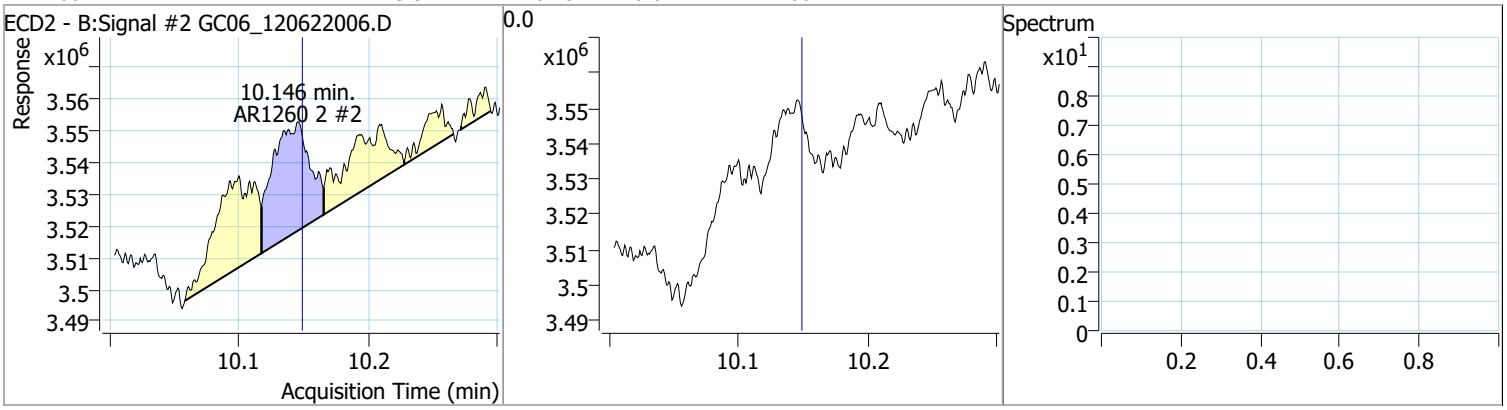
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	63.1874	9.90	0.01	1109780				



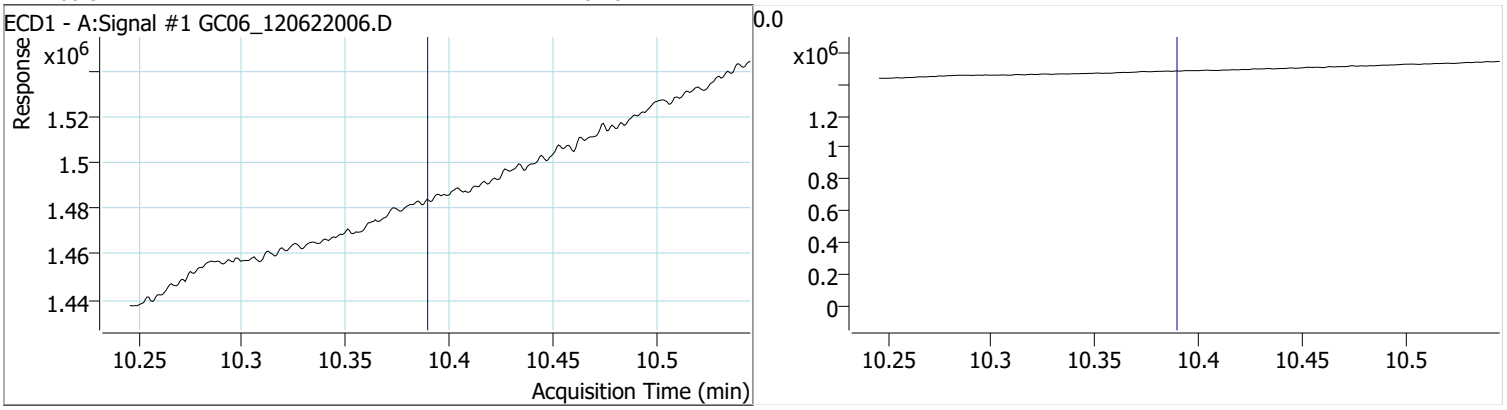
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	35.6046	10.01	-0.01	189990				



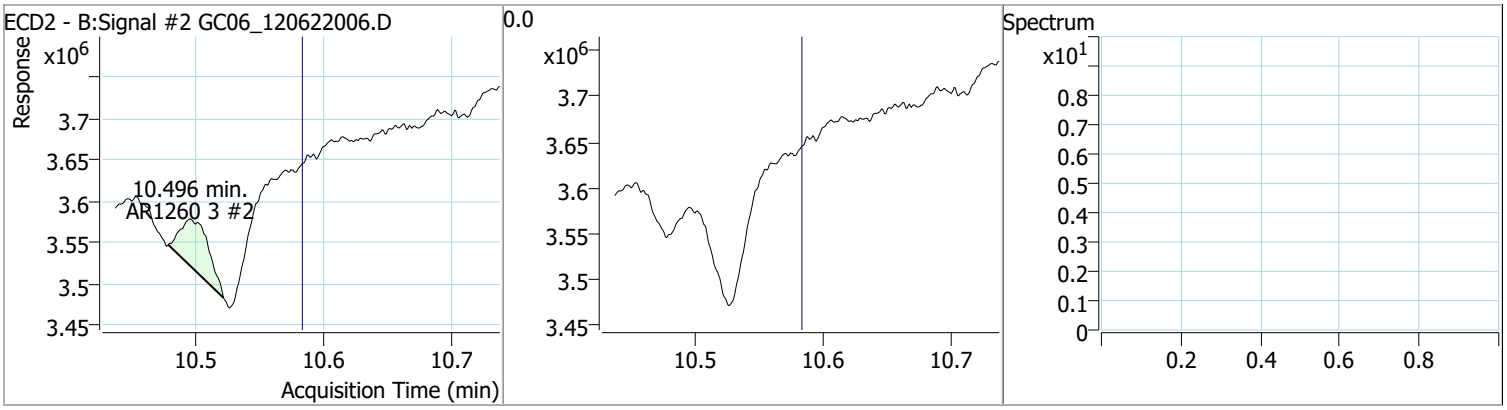
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.3721	10.15	-0.01	71160				



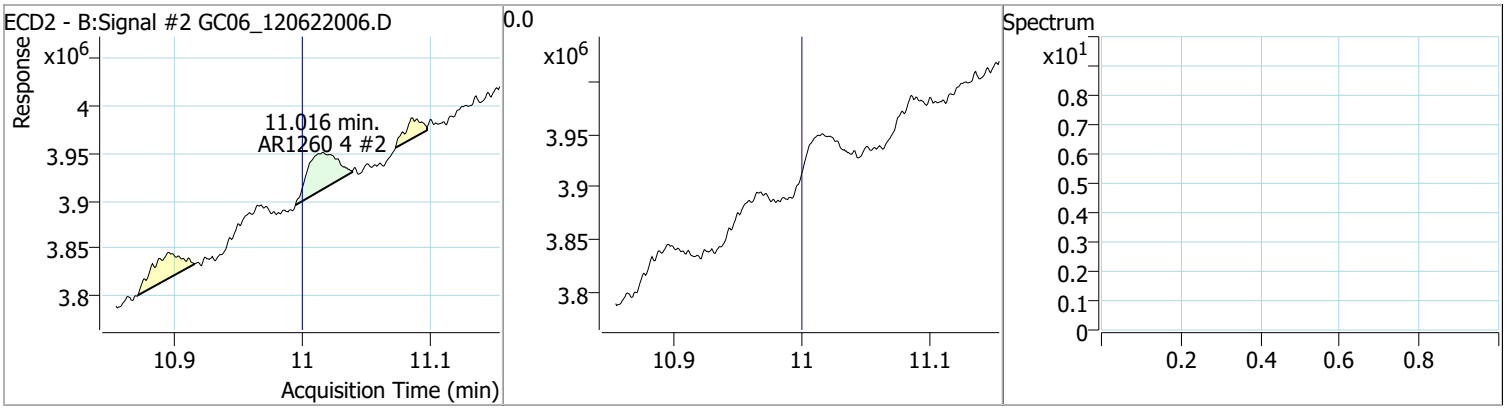
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1260 5	N.D.	10.40		



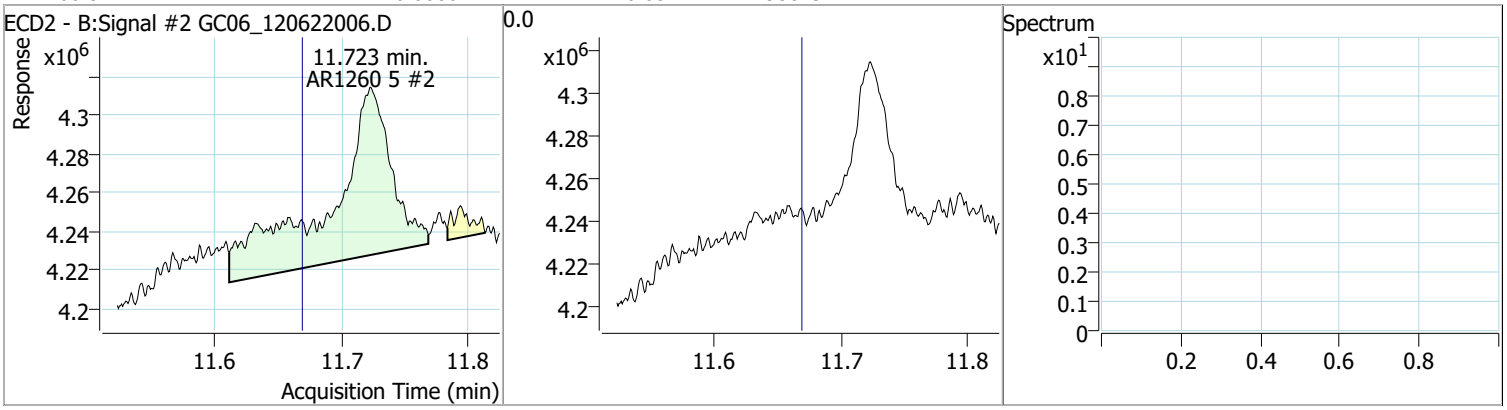
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	3.4784	10.50	-0.09	92913				



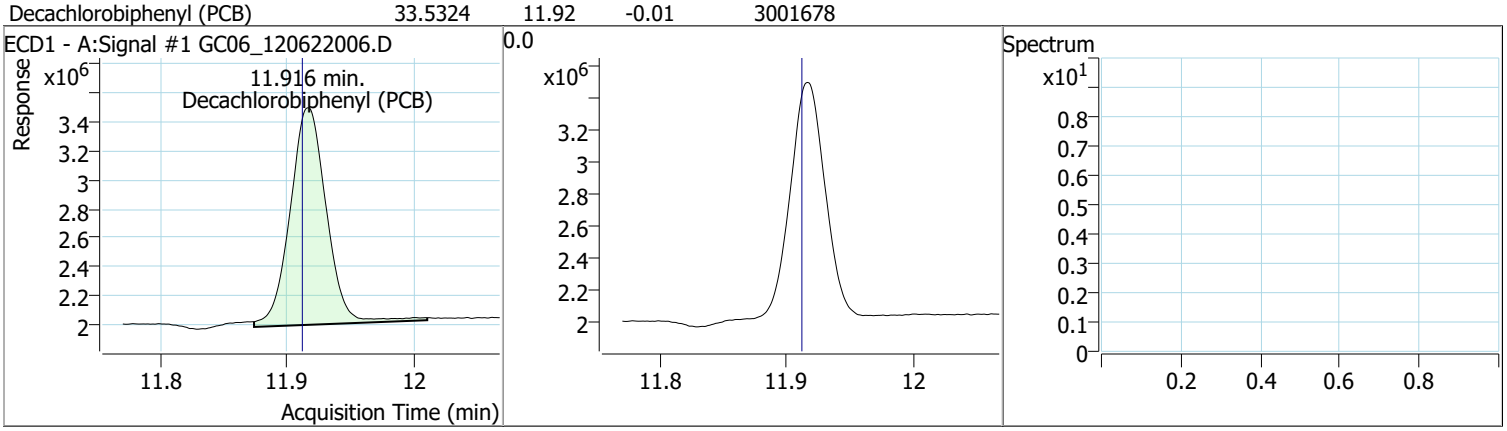
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	0.0000	11.02	0.01	62377				



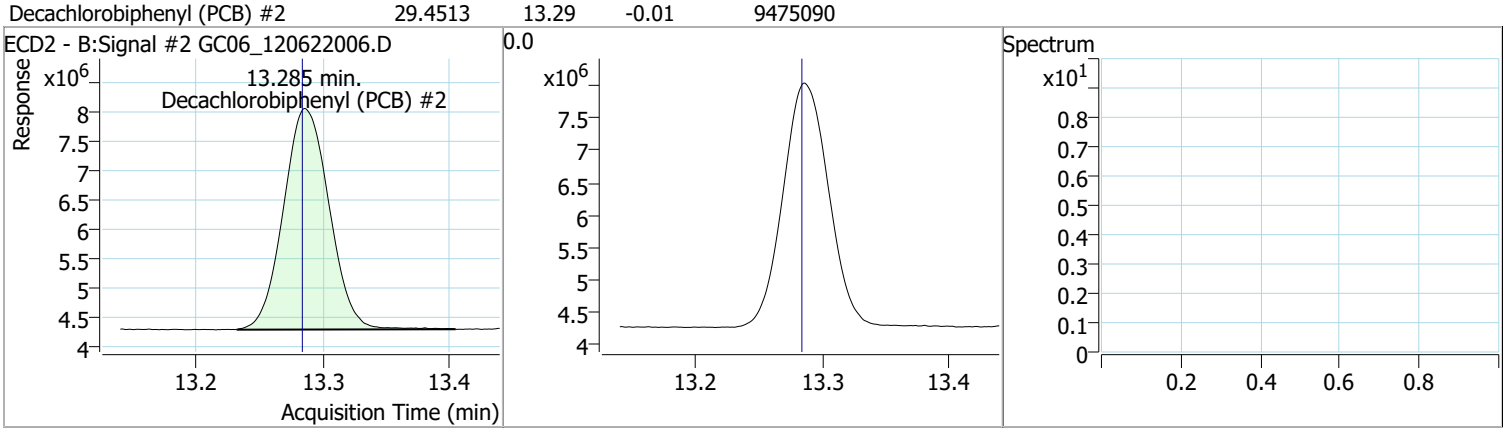
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.0000	11.72	0.05	295829				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.5324	11.92	-0.01	3001678				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.4513	13.29	-0.01	9475090				



ENTHALPY SPIKE USER REPORT FOR 473364 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	452490110007.11	Seqnum:	452490110008.11
File:	gc06_120622007	File:	gc06_120622008
IDF:	1.0	IDF:	1.0
Lab ID:	QC1029967	Lab ID:	QC1029968
Matrix:	Wipe	Matrix:	Wipe
Batch:	302486	Batch:	302486
Time:	06-DEC-2022 10:24	Time:	06-DEC-2022 10:42
Cal:	452428510002	Cal:	452428510002
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	268.7	2.687	B	**54***	281.7	2.817	B	**56***	60-140	5	20	u
Aroclor-1016 Peak # 1		252.6	2.526	B		286.5	2.865	B					
Aroclor-1016 Peak # 2		254.0	2.540	B		280.0	2.800	B					
Aroclor-1016 Peak # 3		258.6	2.586	B		290.3	2.903	B					
Aroclor-1016 Peak # 4		249.9	2.499	B		271.5	2.715	B					
Aroclor-1016 Peak # 5		328.5	3.285	B		280.3	2.803	B					
Aroclor-1260	5.000	245.7	2.457	A	**49***	257.6	2.576	A	**52***	60-140	5	20	u
Aroclor-1260 Peak # 1		238.8	2.388	A		263.5	2.635	A					
Aroclor-1260 Peak # 2		255.7	2.557	A		254.8	2.548	A					
Aroclor-1260 Peak # 3		229.2	2.292	A		255.7	2.557	A					
Aroclor-1260 Peak # 4		249.5	2.495	A		258.3	2.583	A					
Aroclor-1260 Peak # 5		255.2	2.552	A		255.6	2.556	A					
Surrogates													
TCMX (PCB)	0.5000	22.44	0.2244	A	45	25.11	0.2511	B	50	19-121			u
Decachlorobiphenyl (PCB)	0.5000	22.43	0.2243	A	45	20.86	0.2086	A	42	19-121			u

ISTD (CCV gc06_120622001)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4549134	5950540	30.81
1-bromo-2-nitrobenzene (PCB)	A	1091103	1312250	20.27

ISTD (CCV gc06_120622001)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.17	4.17	0.00

ISTD (CCV gc06_120622001)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4549134	5520767	21.36
1-bromo-2-nitrobenzene (PCB)	A	1091103	1282914	17.58

ISTD (CCV gc06_120622001)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	4.42	4.42	0.00
1-bromo-2-nitrobenzene (PCB)	A	4.17	4.17	0.00

TJW 12/08/22 : Low bias recovery [general version]

TJW 12/08/22 : Manually integrated due to baseline corrections for Ch. B for spike & dup [general version]

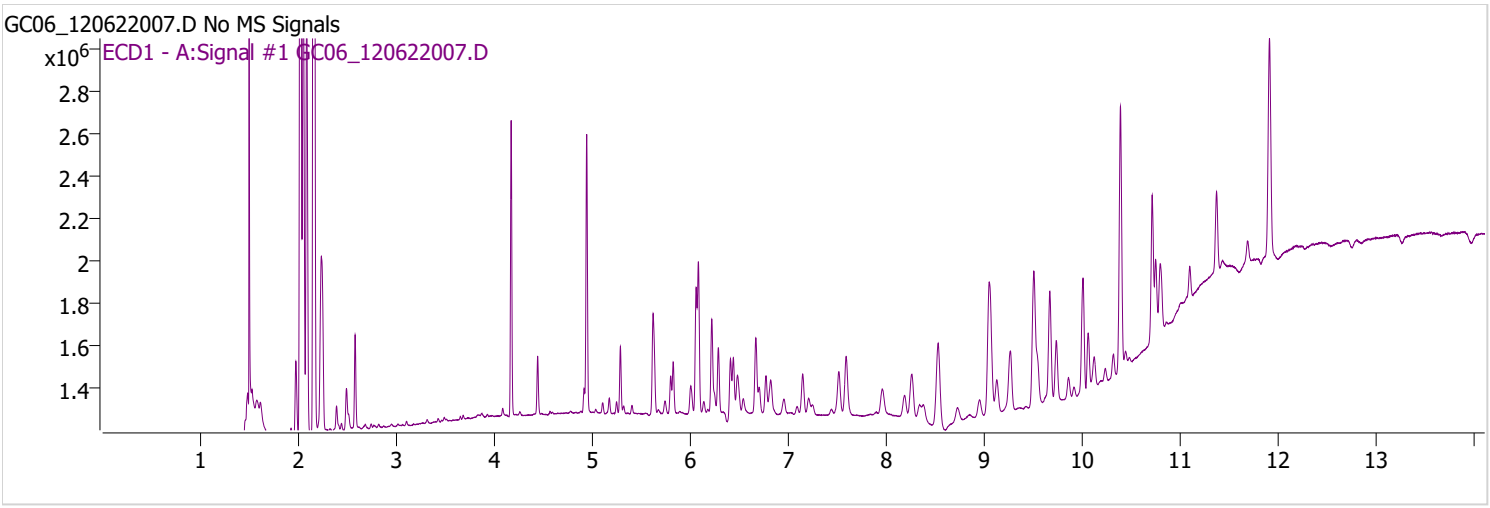
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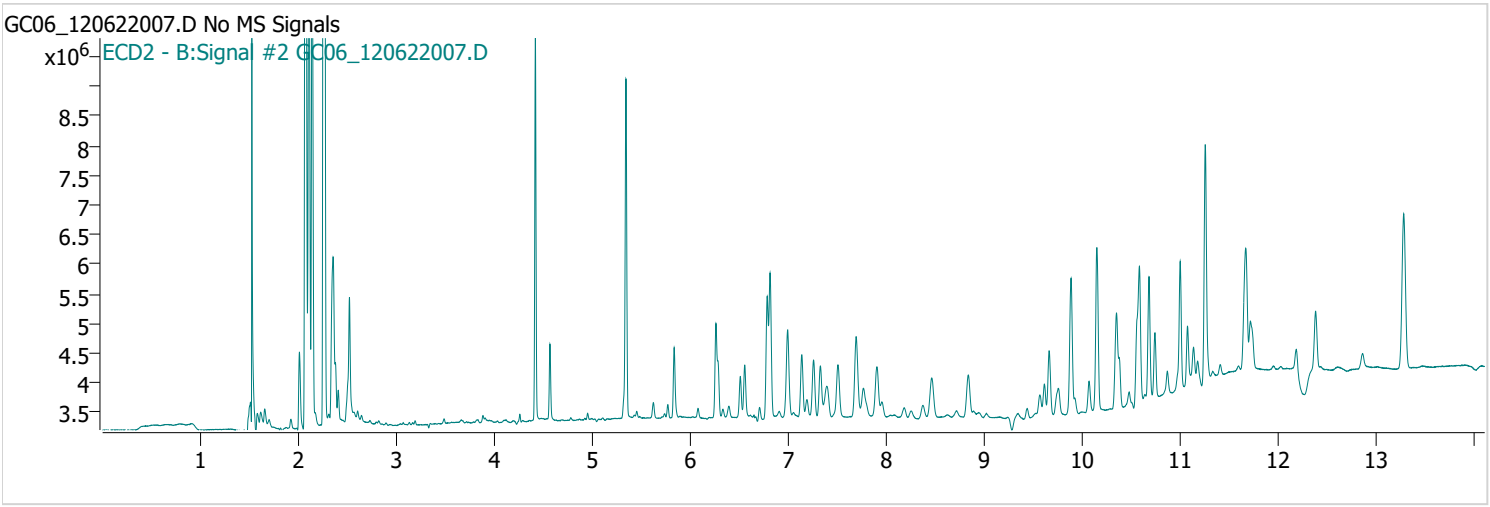
Analyst: TJW 12/08/22 *

Reviewer: LW 12/08/22 *

Quantitation Results Report (Not Reviewed)

Data File	GC06_120622007.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 10:24:37 AM
Sample Name	QC1029967, 302486, 1	Instrument	SVOA-GC06
Vial	2	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_9.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



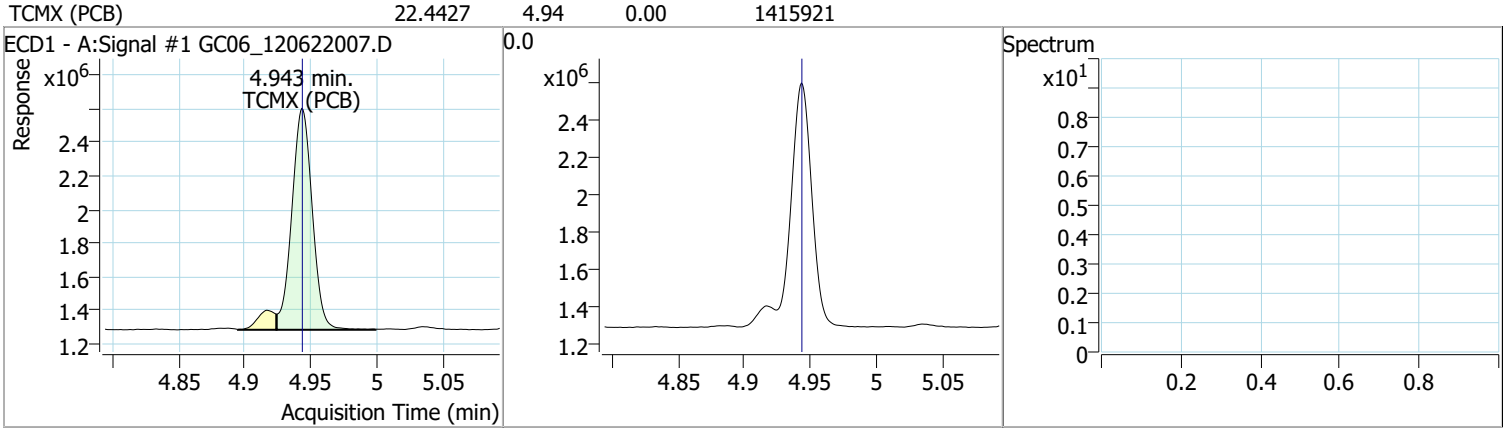


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.173	0.0	1312250.050	20.0000	ng/ml	-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.419	0.0	5950539.851	20.0000	ng/ml	-0.003
System Monitoring Compounds						
S TCMX (PCB)	4.943	0.0	1415920.529	22.4427	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 112.21%		
S TCMX (PCB) #2	5.344	0.0	6630726.778	23.2029	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 116.01%		
S Decachlorobiphenyl (PCB)	11.915	0.0	2127608.341	22.4288	ng/ml	-0.008
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 112.14%		
S Decachlorobiphenyl (PCB) #2	13.286	0.0	6495438.264	19.3474	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 96.74%		
Target Compounds						QValue

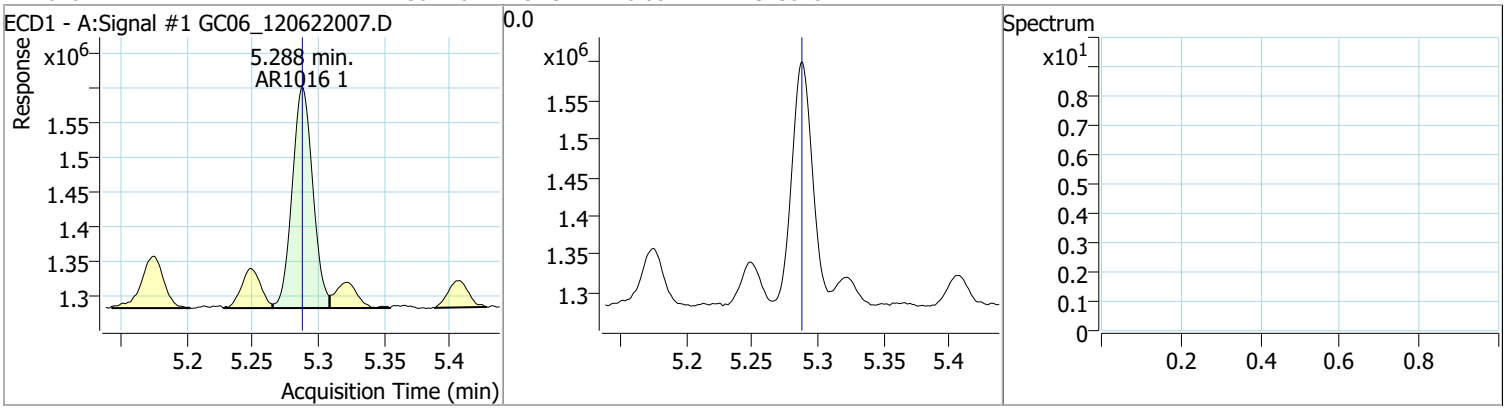
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.288	0.0	345009.653	250.7702	ng/ml		100
T AR1016 2	5.622	0.0	801428.577	277.5764	ng/ml		100
T AR1016 1 #2	5.837	0.0	1562111.229	252.5839	ng/ml		100
T AR1016 3	6.084	0.0	957692.545	274.5512	ng/ml		100
T AR1016 4	6.221	0.0	711773.619	268.2903	ng/ml		100
T AR1016 2 #2	6.263	0.0	2267630.928	254.0010	ng/ml	m	100
T AR1016 5	6.670	0.0	569941.118	266.7172	ng/ml		100
T AR1016 3 #2	6.816	0.0	4195698.911	258.6489	ng/ml		100
T AR1016 4 #2	6.996	0.0	2893815.318	249.8816	ng/ml		100
T AR1016 5 #2	7.695	0.0	3092348.618	328.5069	ng/ml		100
T AR1260 1	8.533	0.0	1059566.277	238.8162	ng/ml		100
T AR1260 2	9.053	0.0	1729034.142	255.6841	ng/ml		100
T AR1260 3	9.509	0.0	1620193.978	229.2240	ng/ml		100
T AR1260 1 #2	9.889	0.0	4704617.416	265.6665	ng/ml		100
T AR1260 4	10.012	0.0	988945.097	249.4634	ng/ml		100
T AR1260 2 #2	10.153	0.0	4913379.175	230.9196	ng/ml		100
T AR1260 5	10.393	0.0	2150680.491	255.2203	ng/ml		100
T AR1260 3 #2	10.587	0.0	5869997.368	217.9517	ng/ml		100
T AR1260 4 #2	11.003	0.0	3378615.677	204.9112	ng/ml		100
T AR1260 5 #2	11.673	0.0	5005467.009	204.9792	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

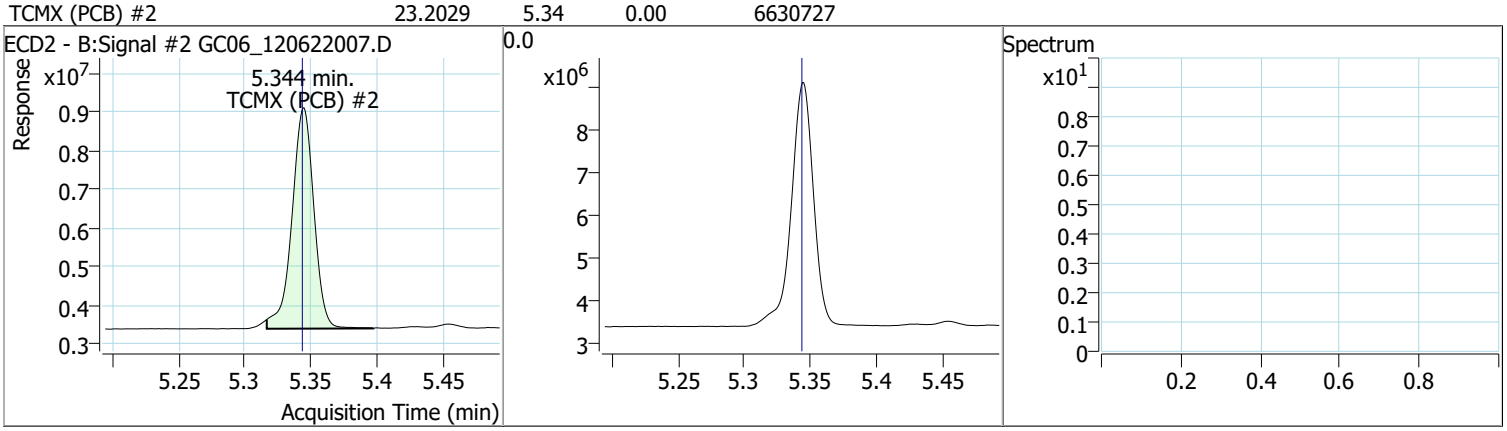
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	22.4427	4.94	0.00	1415921				



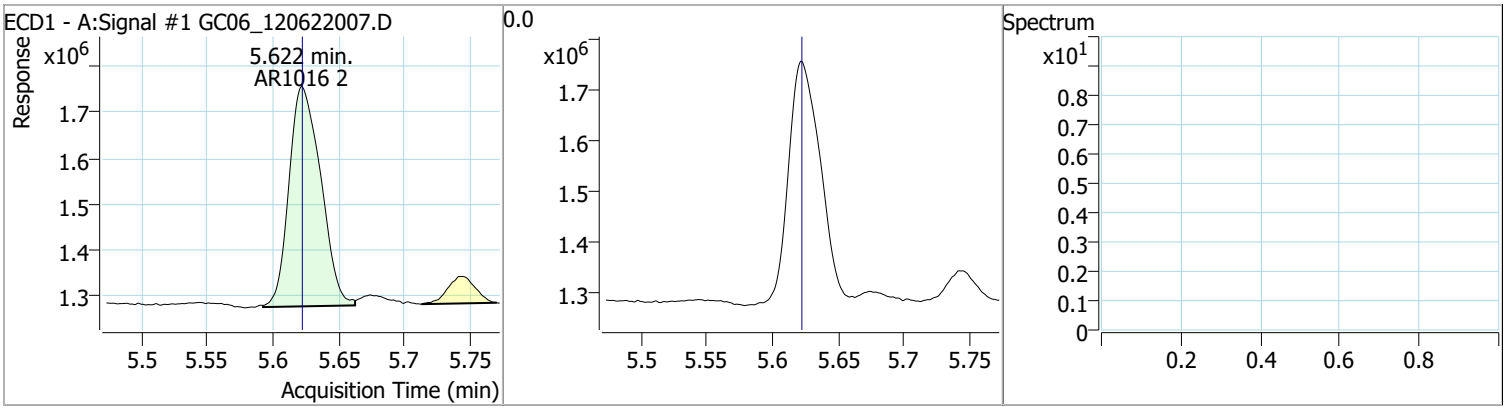
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	250.7702	5.29	0.00	345010				



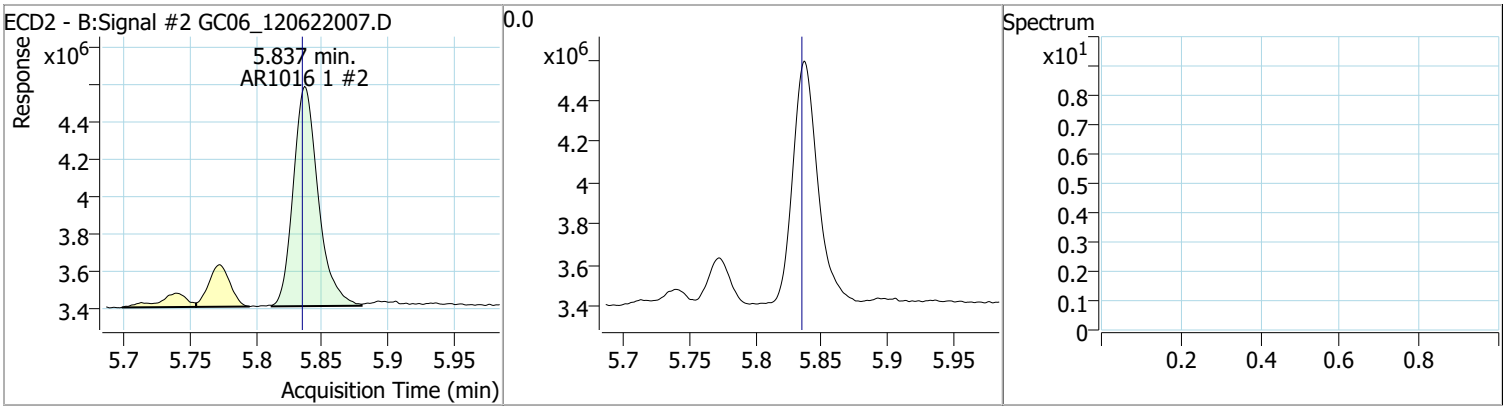
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	23.2029	5.34	0.00	6630727				



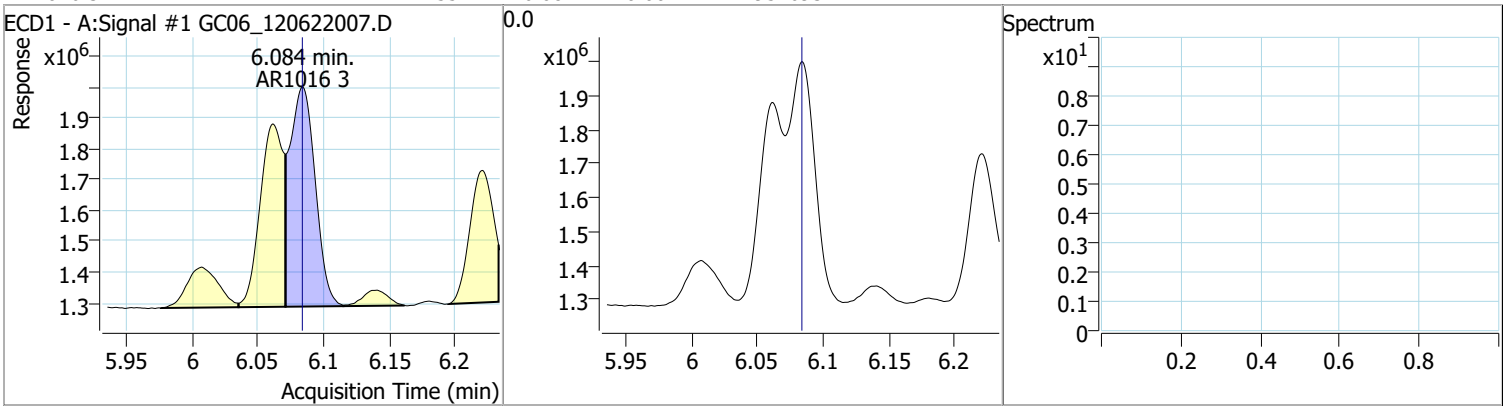
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	277.5764	5.62	0.00	801429				



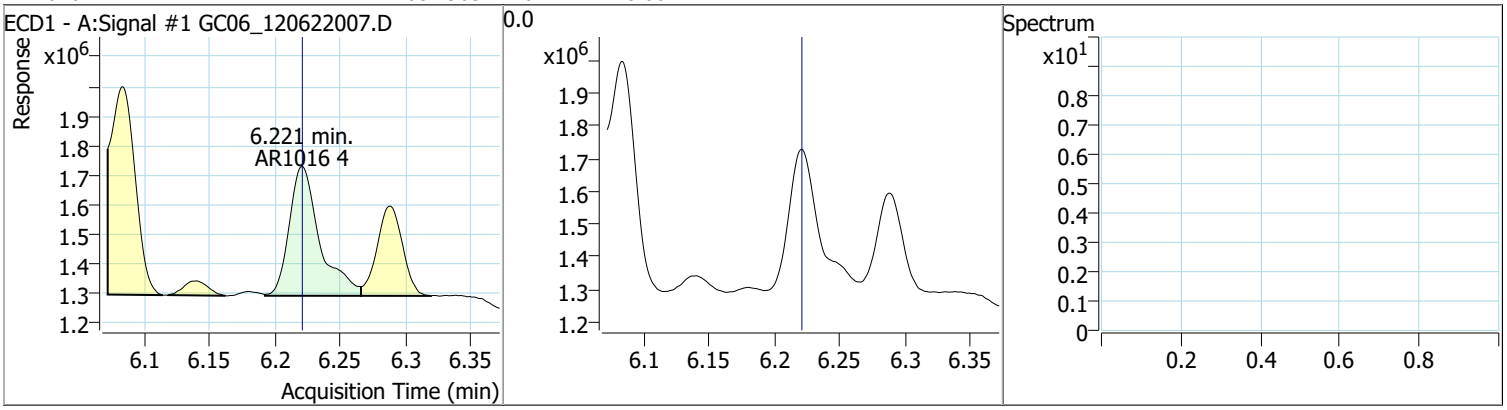
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	252.5839	5.84	0.00	1562111				



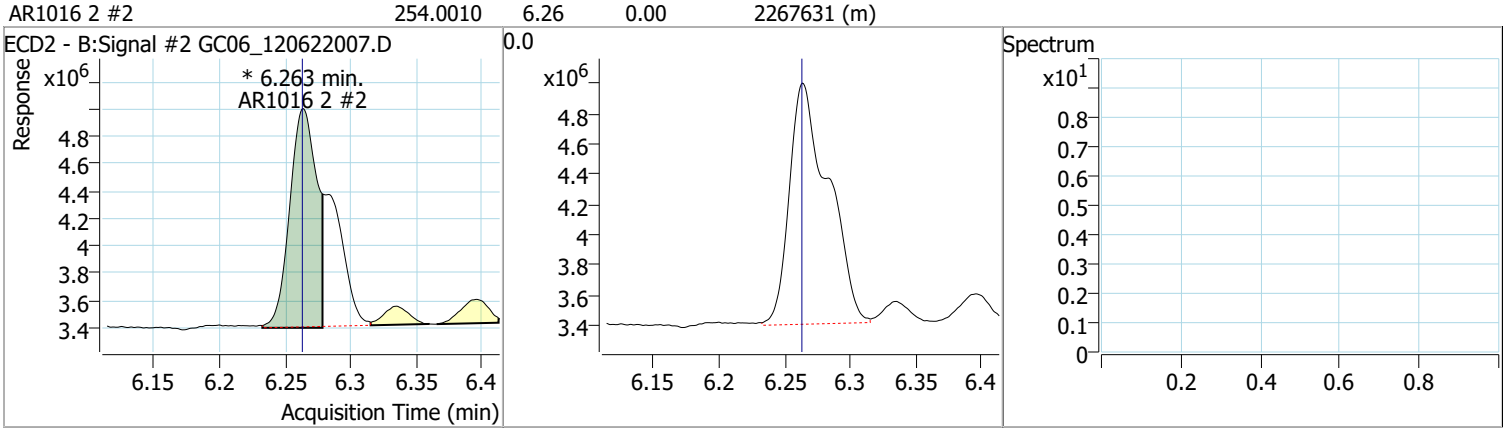
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	274.5512	6.08	0.00	957693				



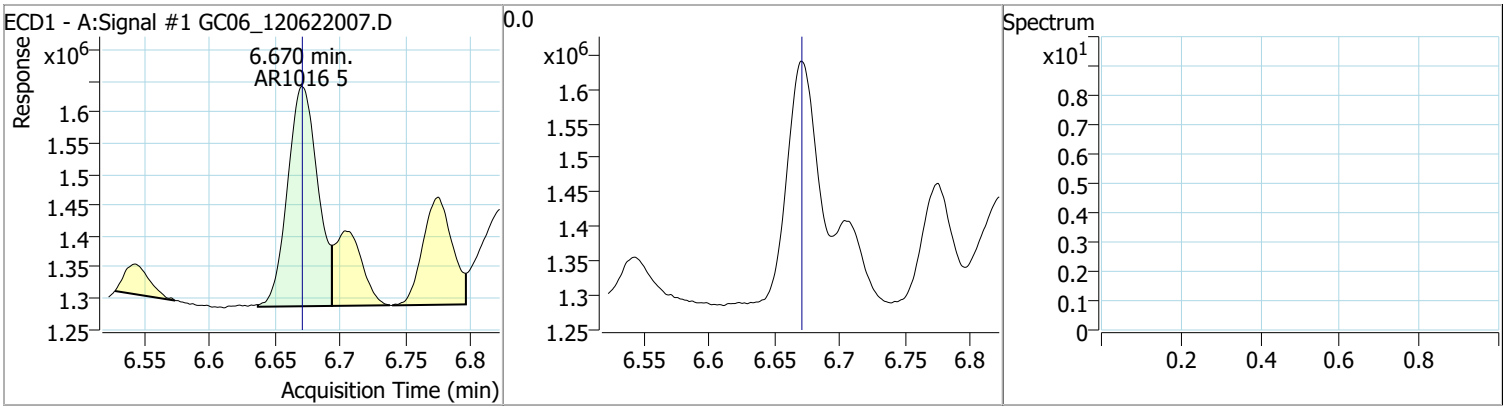
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	268.2903	6.22	0.00	711774				



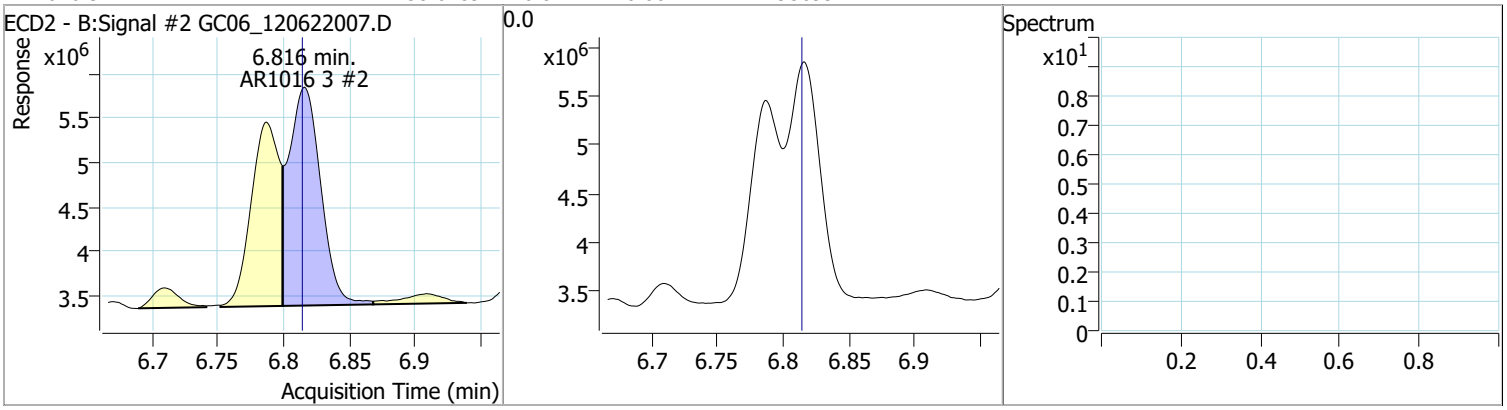
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	254.0010	6.26	0.00	2267631 (m)				



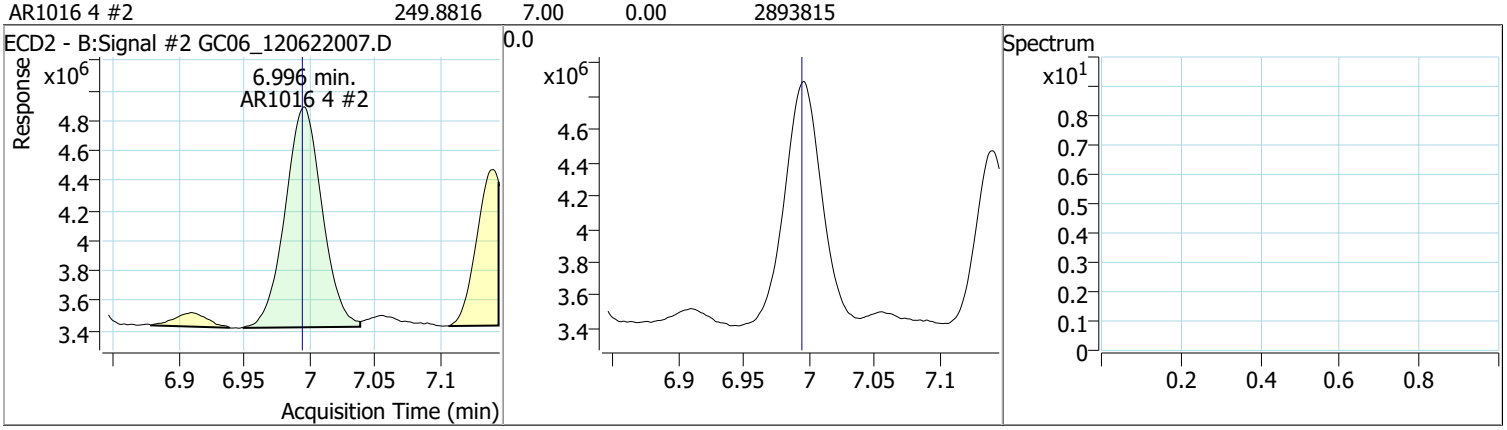
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	266.7172	6.67	-0.01	569941				



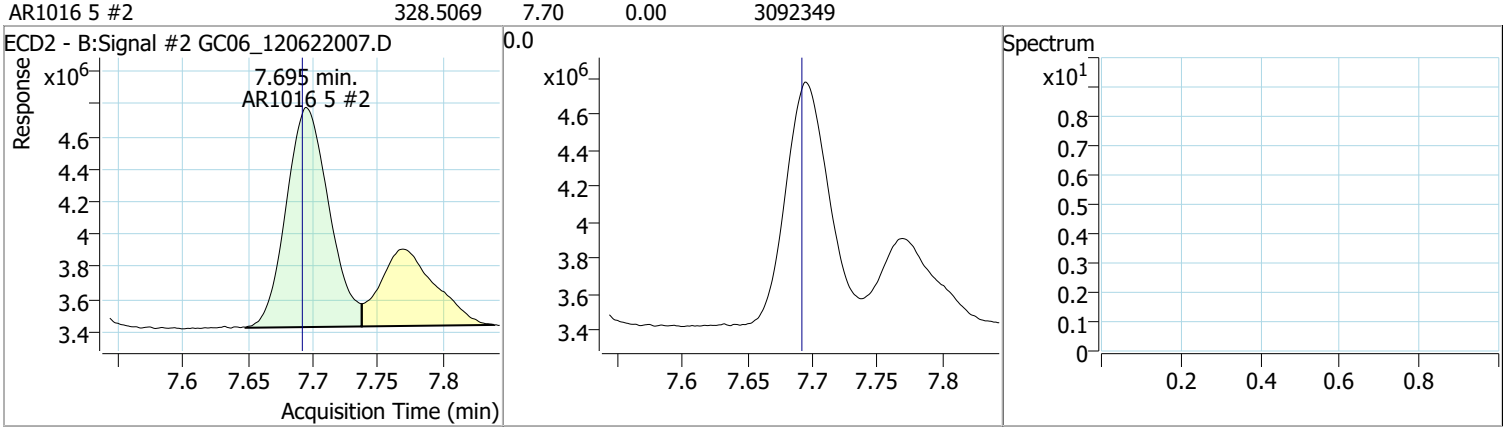
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	258.6489	6.82	0.00	4195699				



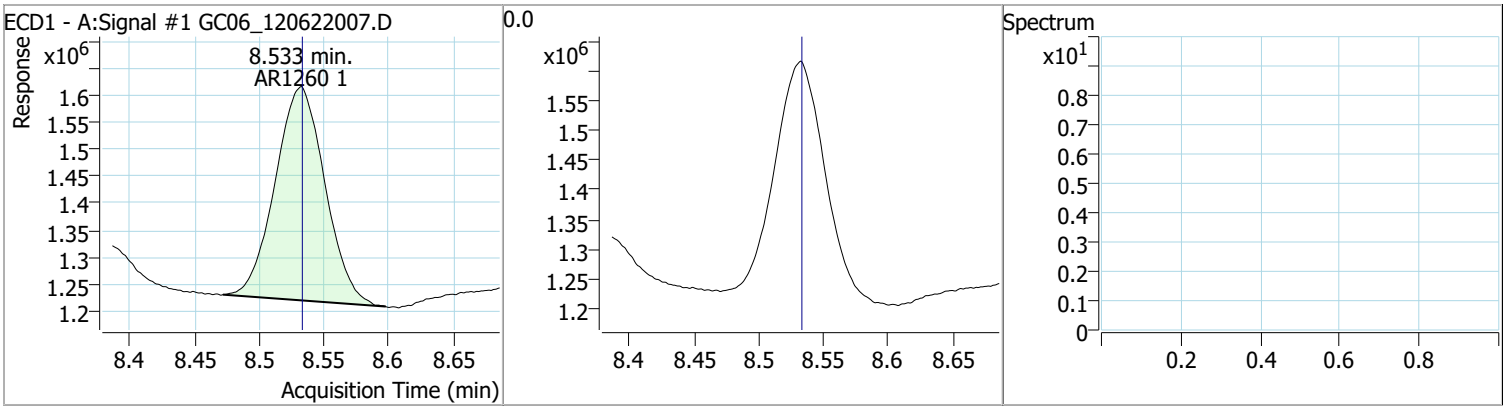
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	249.8816	7.00	0.00	2893815				



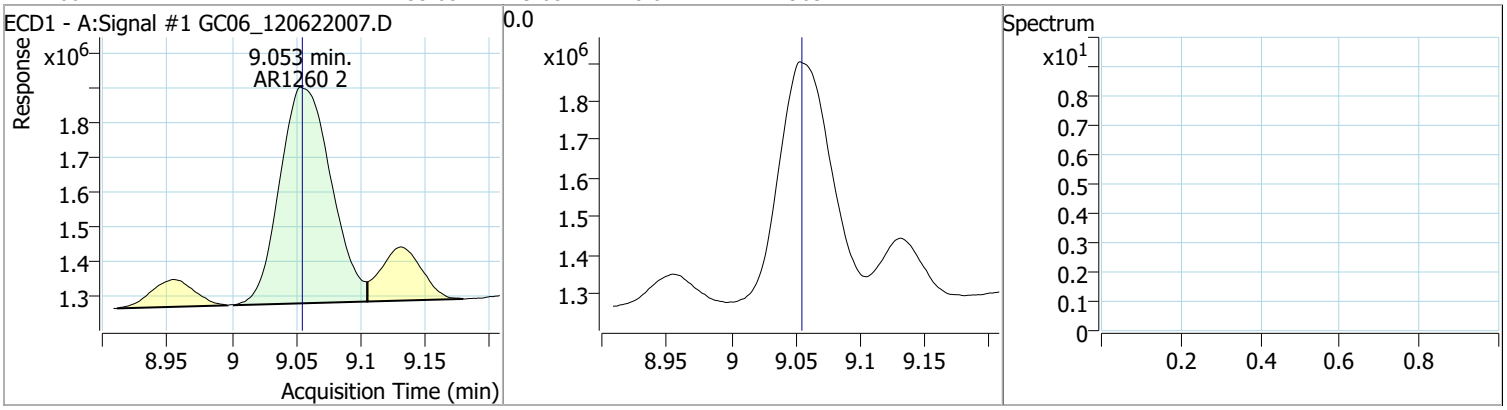
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	328.5069	7.70	0.00	3092349				



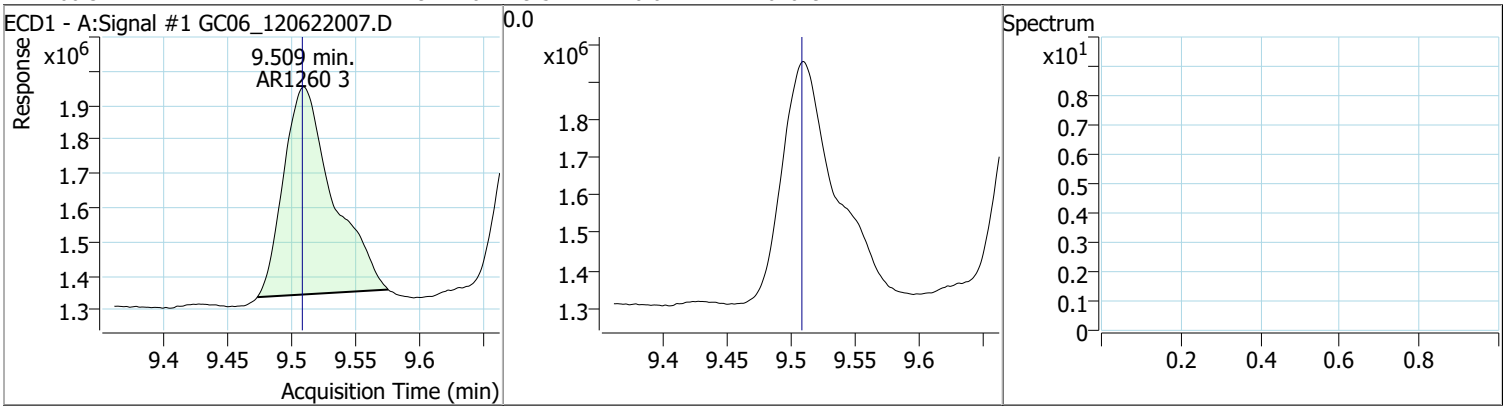
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	238.8162	8.53	-0.01	1059566				



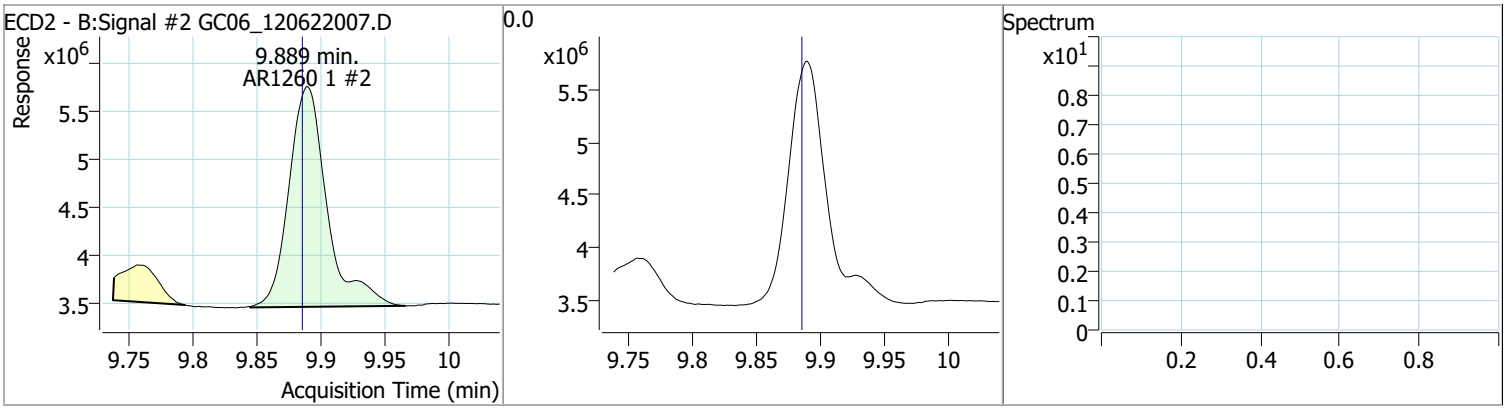
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	255.6841	9.05	-0.01	1729034				



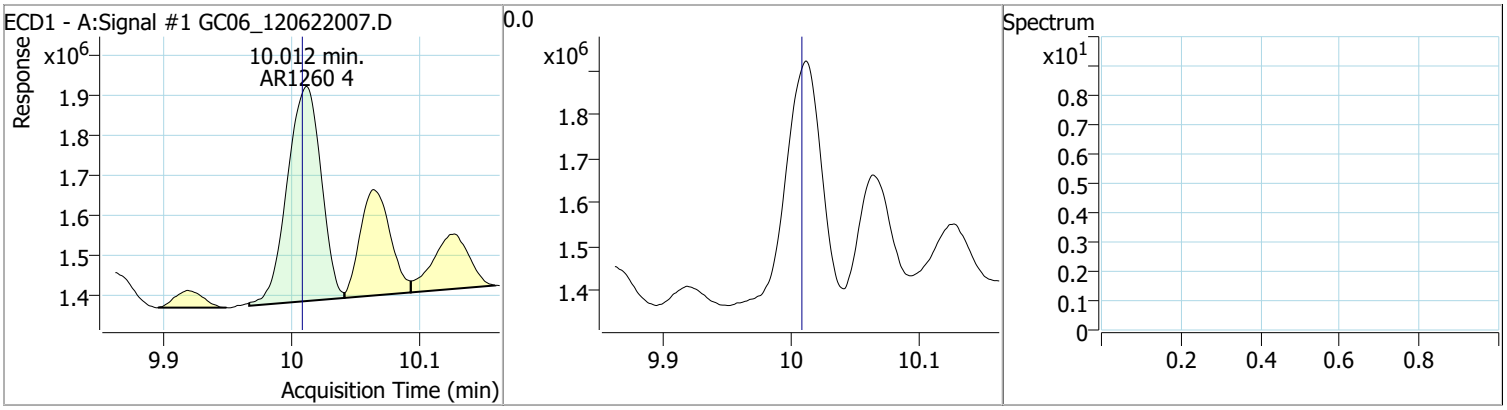
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	229.2240	9.51	-0.01	1620194				



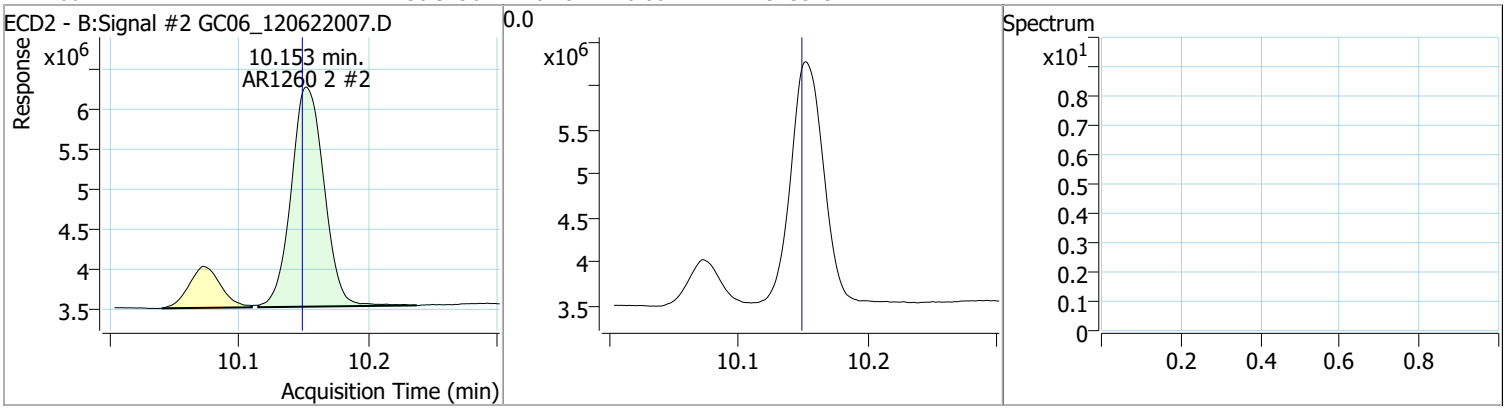
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	265.6665	9.89	0.00	4704617				



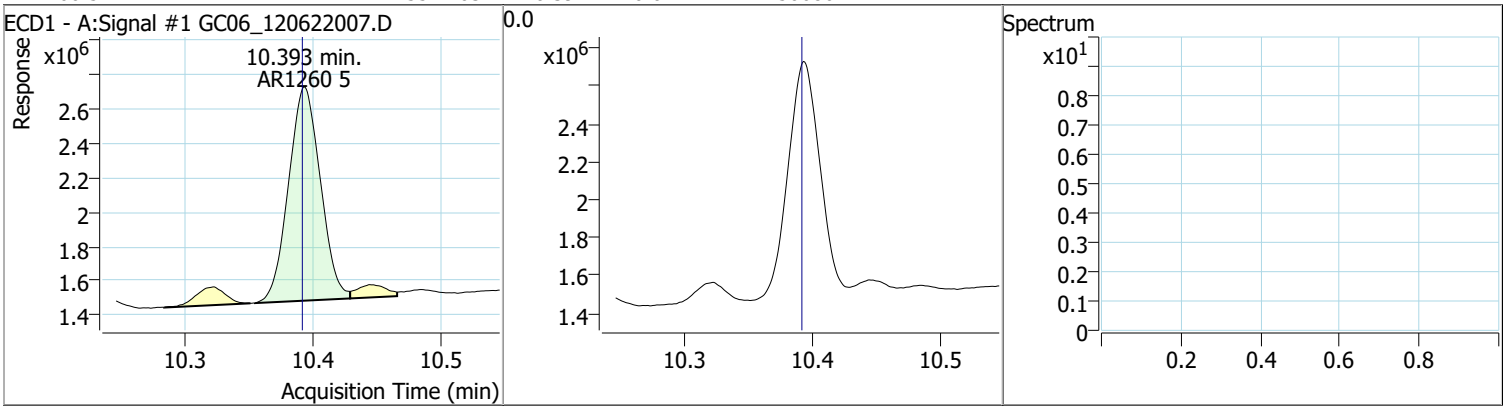
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	249.4634	10.01	0.00	988945				



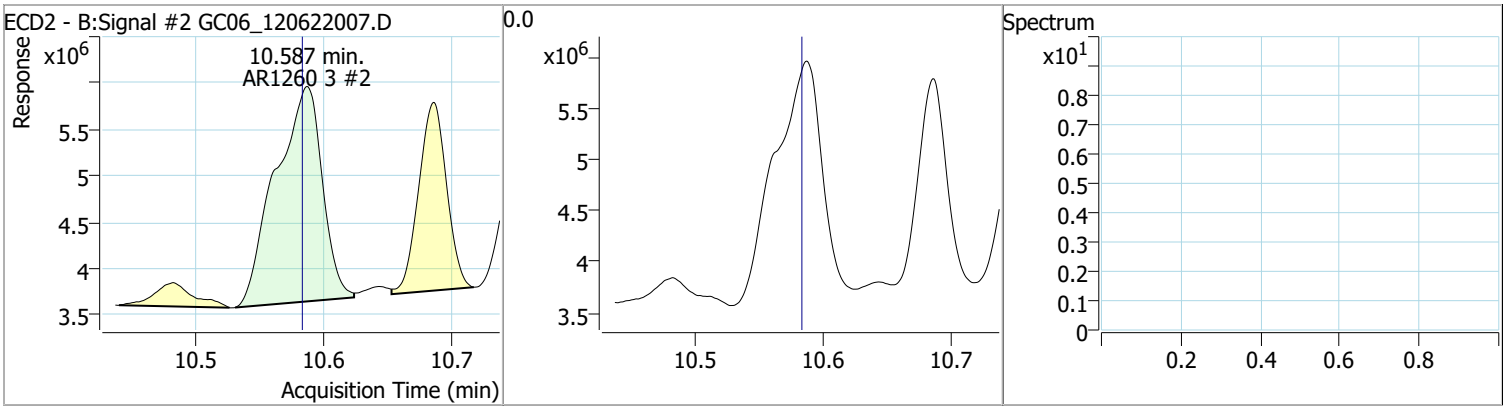
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	230.9196	10.15	0.00	4913379				



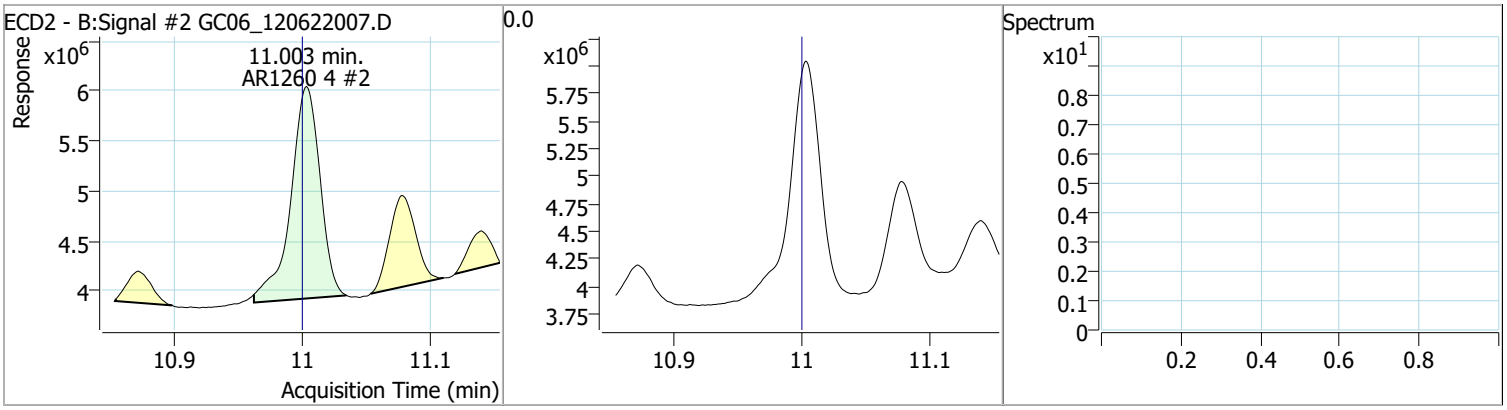
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	255.2203	10.39	-0.01	2150680				



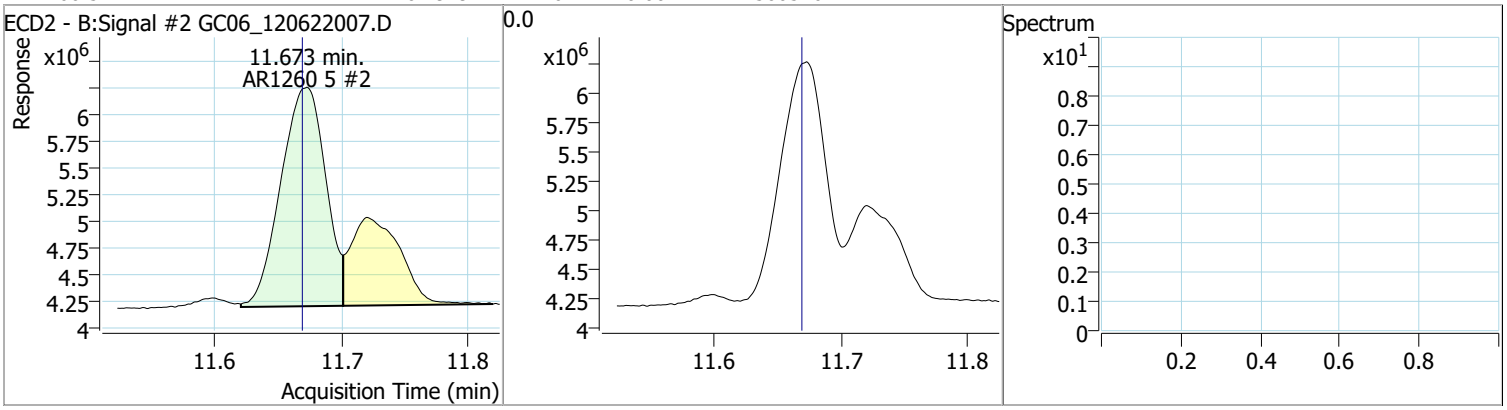
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	217.9517	10.59	0.00	5869997				



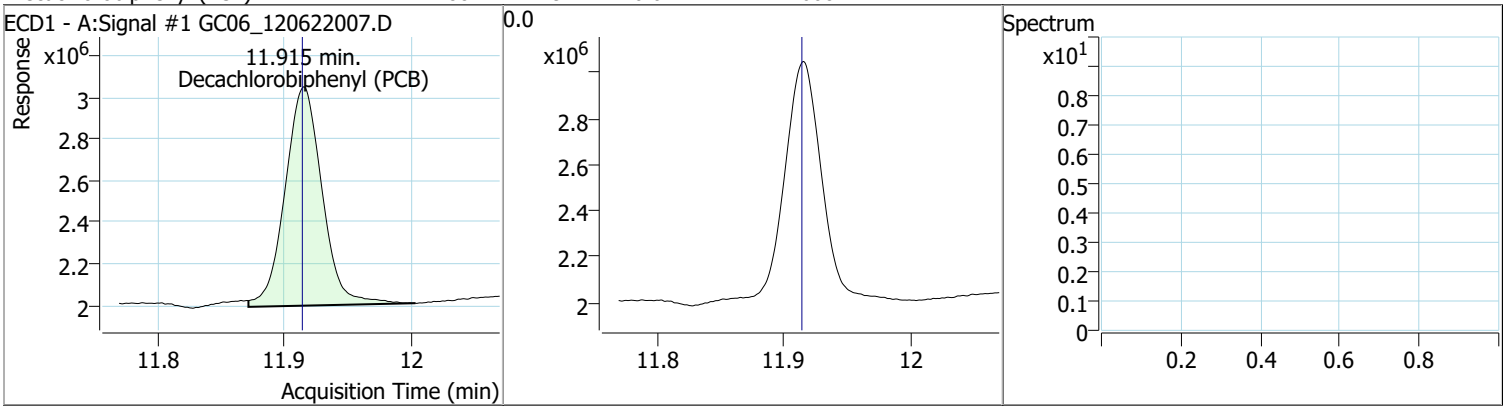
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	204.9112	11.00	0.00	3378616				



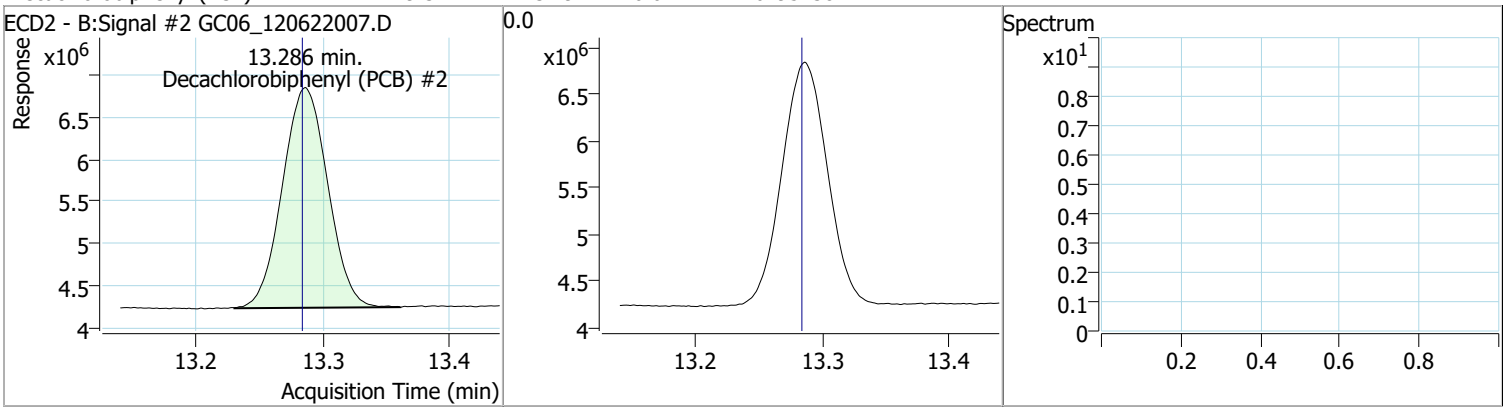
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	204.9792	11.67	0.00	5005467				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	22.4288	11.92	-0.01	2127608				

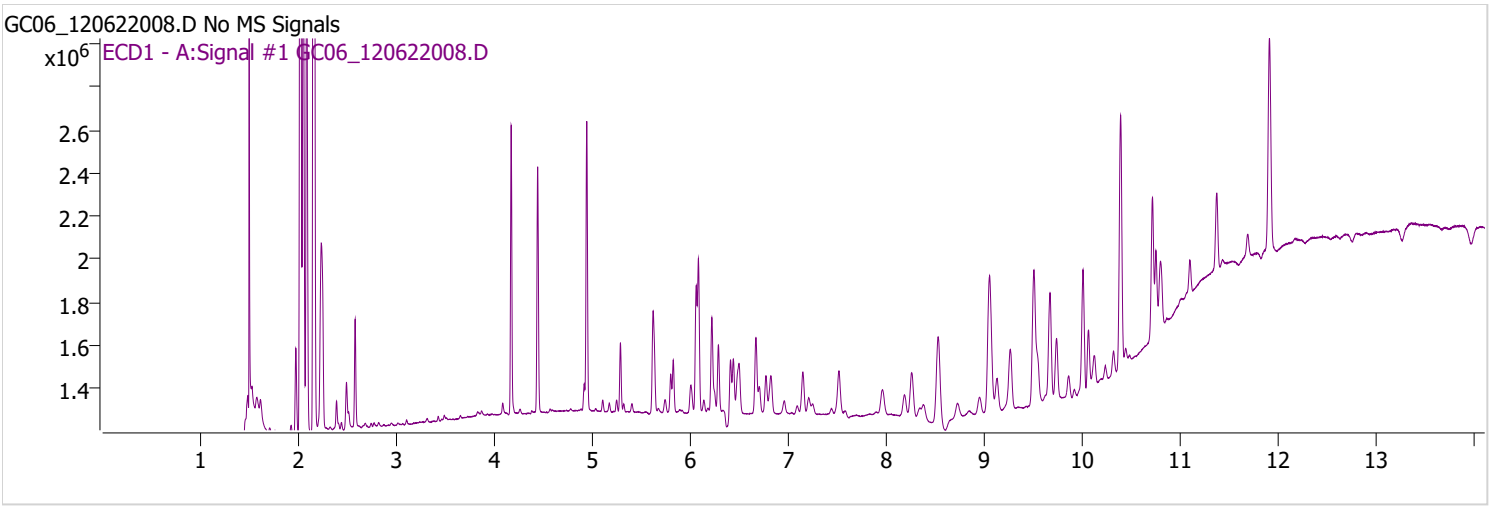


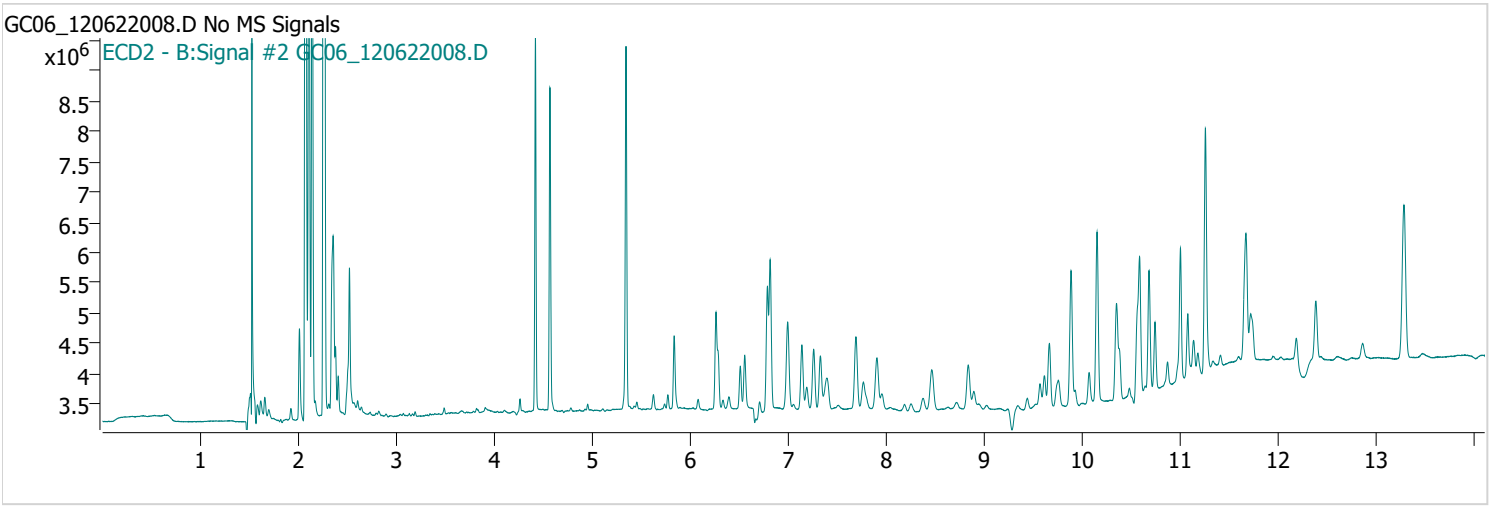
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.3474	13.29	-0.01	6495438				



Quantitation Results Report (Not Reviewed)

Data File	GC06_120622008.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 10:42:57 AM
Sample Name	QC1029968, 302486, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_9.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



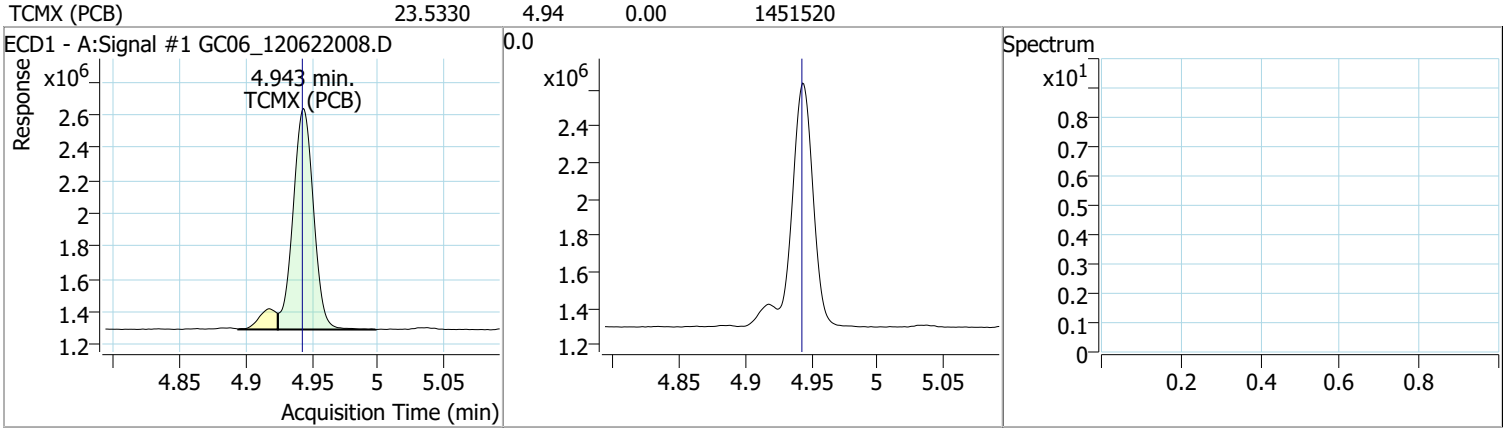


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	4.172	0.0	1282913.642	20.0000	ng/ml	-0.004
M 1-bromo-2-nitrobenzene (PCB) #2	4.420	0.0	5520766.997	20.0000	ng/ml	-0.003
System Monitoring Compounds						
S TCMX (PCB)	4.943	0.0	1451519.935	23.5330	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 117.67%		
S TCMX (PCB) #2	5.344	0.0	6656447.041	25.1061	ng/ml	-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 125.53%		
S Decachlorobiphenyl (PCB)	11.913	0.0	1957806.052	20.8567	ng/ml	-0.009
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.28%		
S Decachlorobiphenyl (PCB) #2	13.287	0.0	6344736.352	20.4814	ng/ml	-0.006
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 102.41%		
Target Compounds						QValue

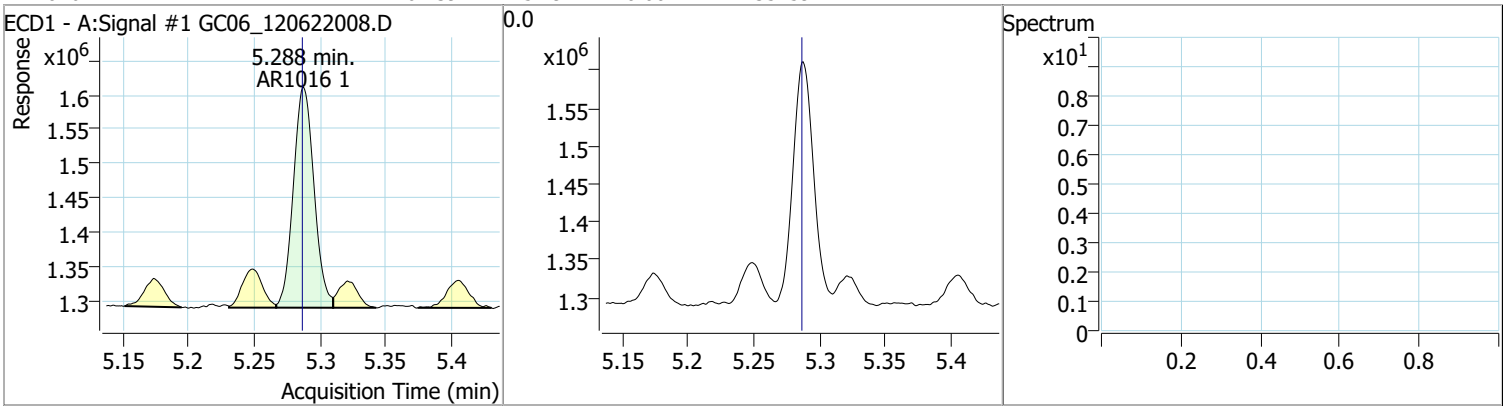
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.288	0.0	351590.646	261.3974	ng/ml		100
T AR1016 2	5.622	0.0	815530.346	289.5485	ng/ml		100
T AR1016 1 #2	5.836	0.0	1643945.106	286.5088	ng/ml		100
T AR1016 3	6.083	0.0	949696.189	278.4846	ng/ml		100
T AR1016 4	6.221	0.0	837156.197	322.7667	ng/ml		100
T AR1016 2 #2	6.263	0.0	2319014.160	279.9777	ng/ml	m	100
T AR1016 5	6.671	0.0	563503.160	269.7345	ng/ml		100
T AR1016 3 #2	6.816	0.0	4368748.259	290.2821	ng/ml		100
T AR1016 4 #2	6.995	0.0	2916666.633	271.4609	ng/ml		100
T AR1016 5 #2	7.692	0.0	2447745.921	280.2717	ng/ml		100
T AR1260 1	8.532	0.0	1143114.104	263.5387	ng/ml		100
T AR1260 2	9.057	0.0	1684704.216	254.8256	ng/ml		100
T AR1260 3	9.509	0.0	1767018.399	255.7133	ng/ml		100
T AR1260 1 #2	9.888	0.0	4177779.820	254.2816	ng/ml		100
T AR1260 4	10.010	0.0	998980.470	258.2706	ng/ml		100
T AR1260 2 #2	10.153	0.0	4869256.182	246.6608	ng/ml		100
T AR1260 5	10.394	0.0	2105591.371	255.6091	ng/ml		100
T AR1260 3 #2	10.588	0.0	5910582.757	236.5427	ng/ml		100
T AR1260 4 #2	11.005	0.0	3409633.089	224.9659	ng/ml		100
T AR1260 5 #2	11.673	0.0	4949400.303	219.6886	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

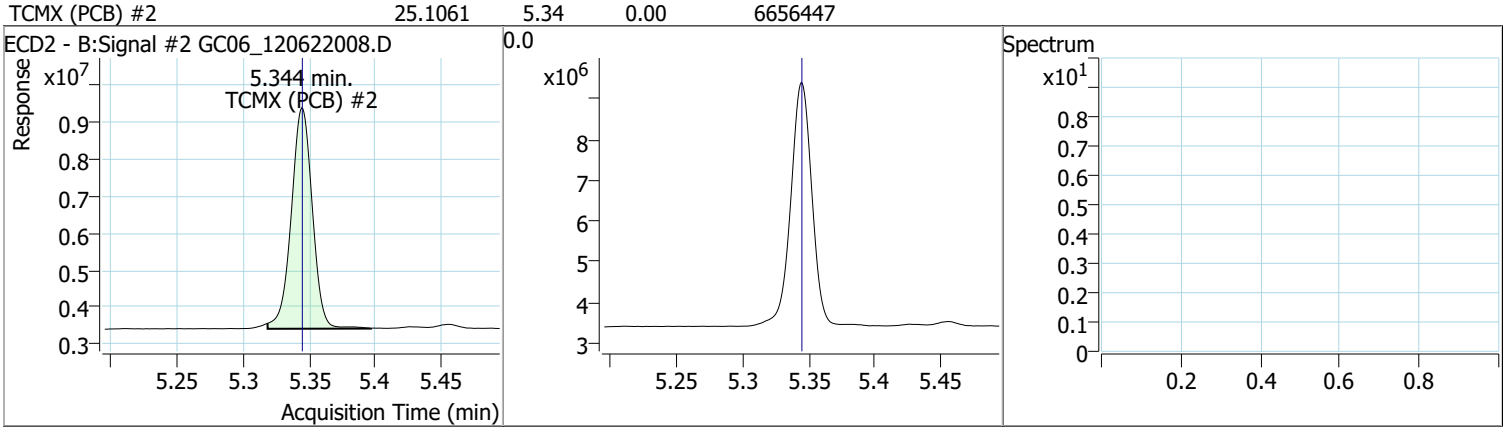
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	23.5330	4.94	0.00	1451520				



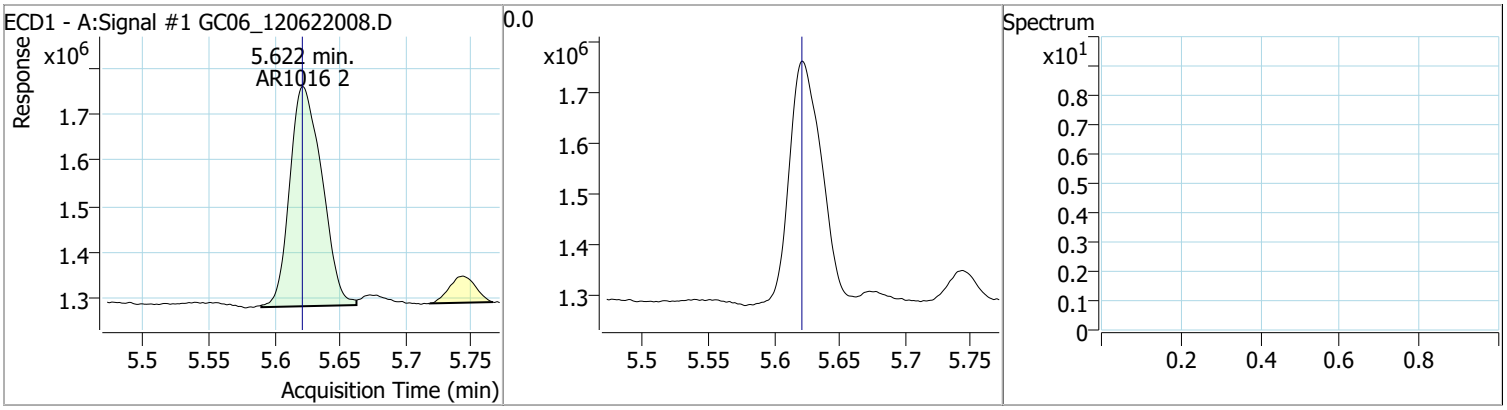
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	261.3974	5.29	0.00	351591				



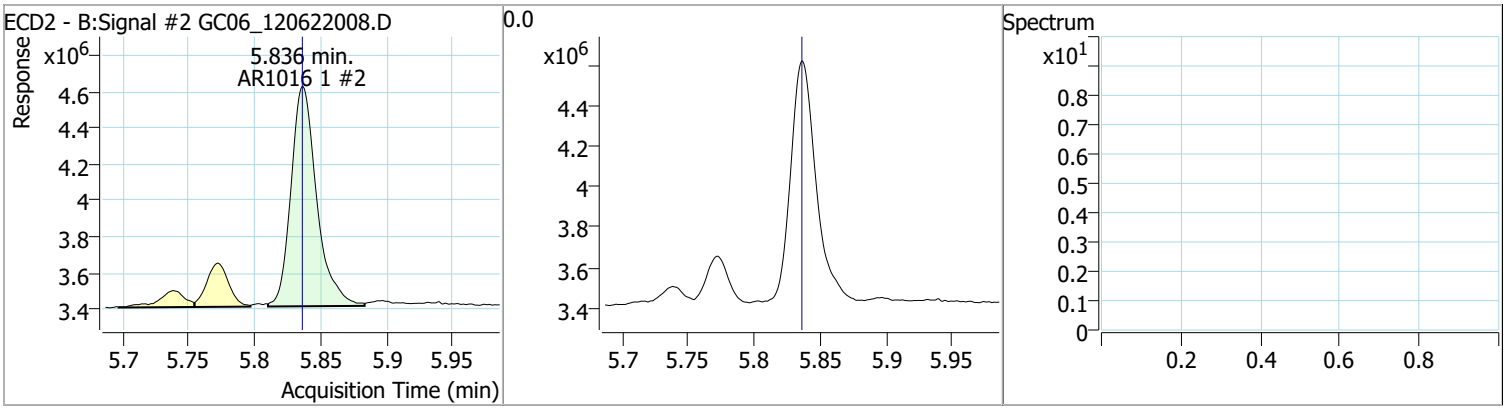
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	25.1061	5.34	0.00	6656447				



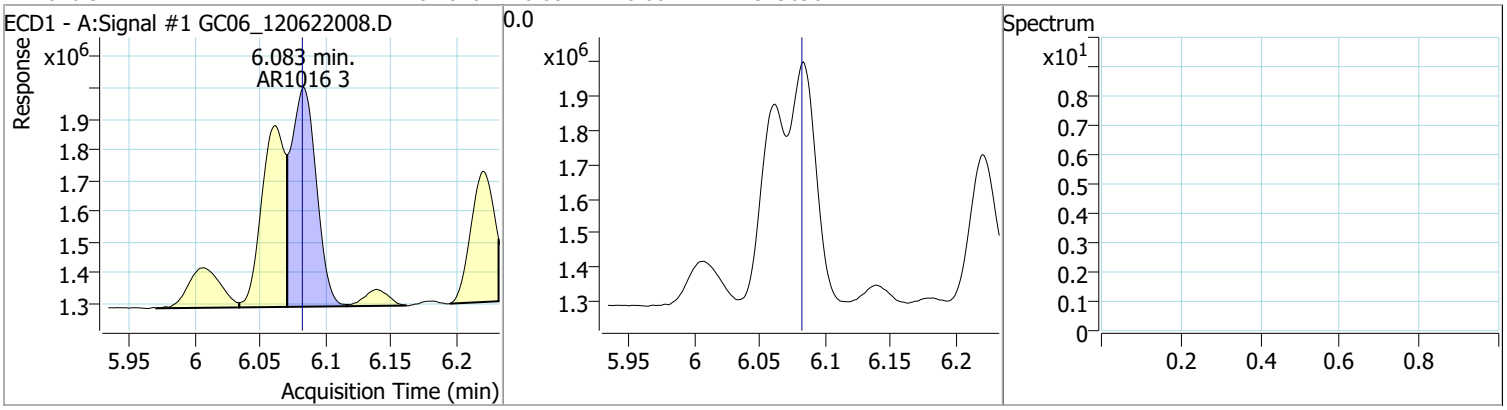
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	289.5485	5.62	0.00	815530				



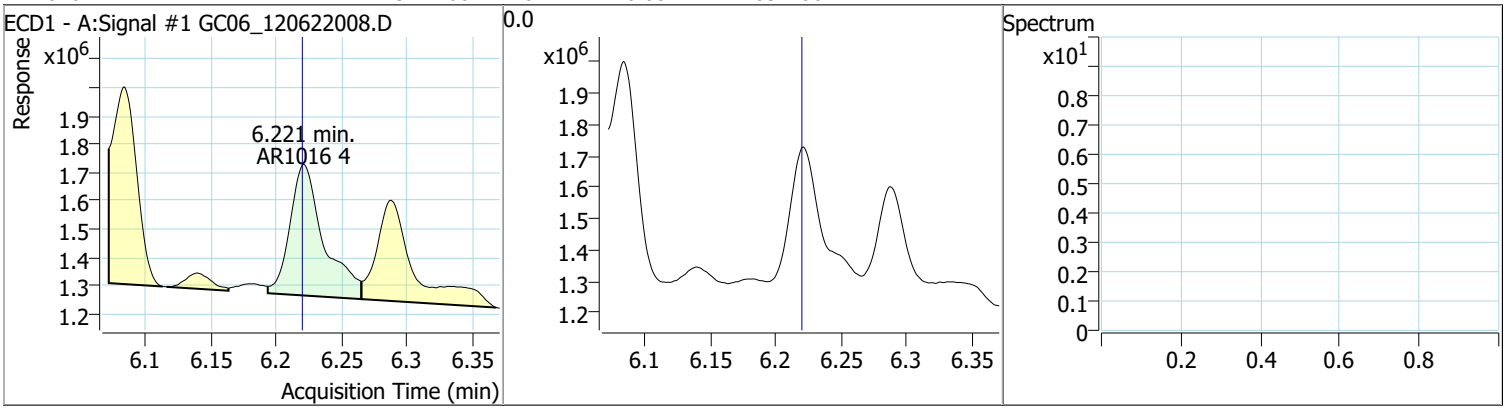
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	286.5088	5.84	0.00	1643945				



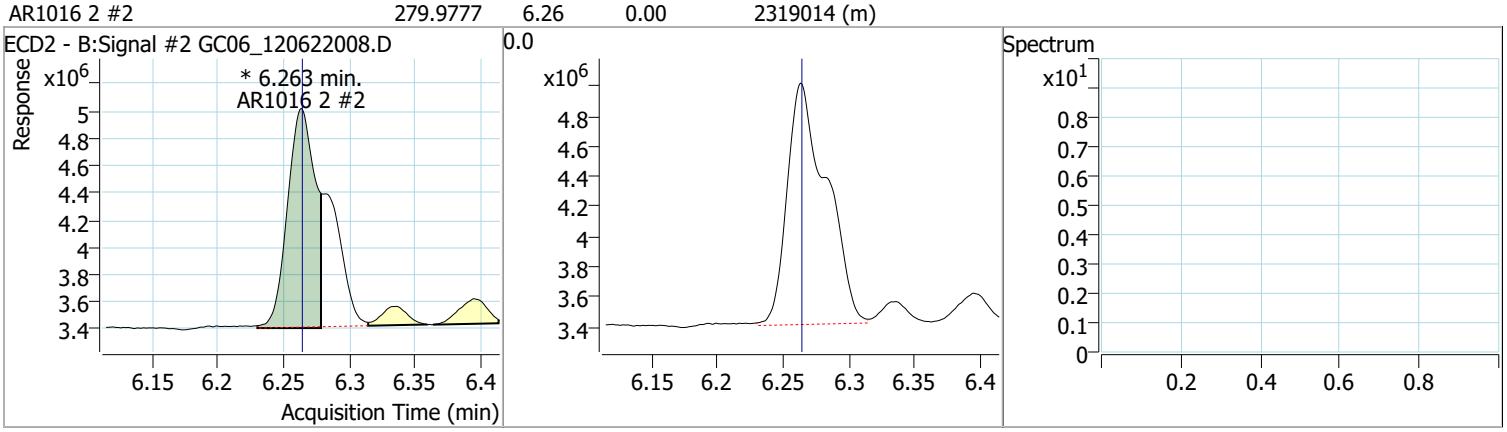
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	278.4846	6.08	0.00	949696				



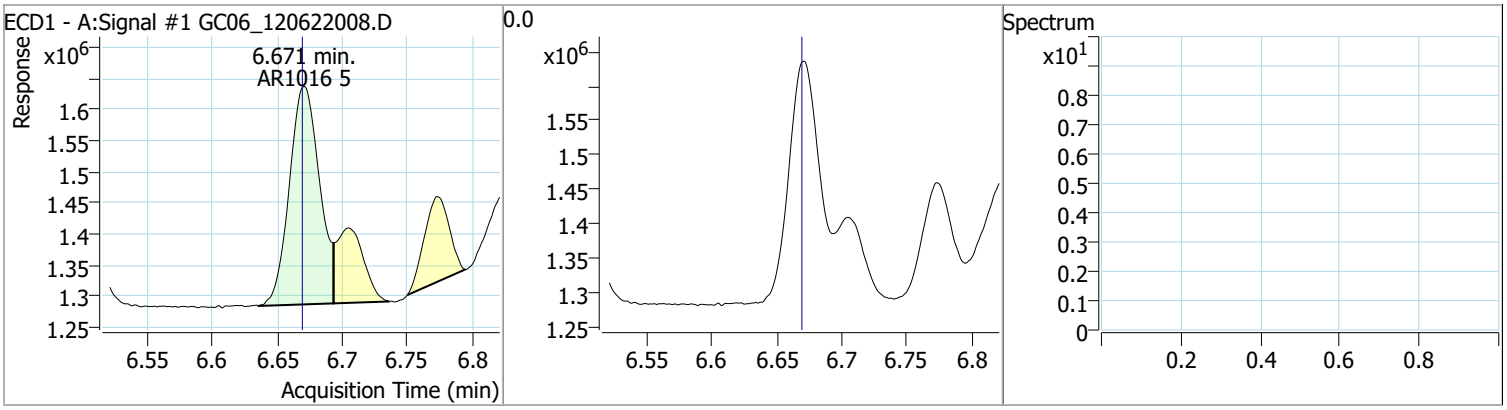
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	322.7667	6.22	0.00	837156				



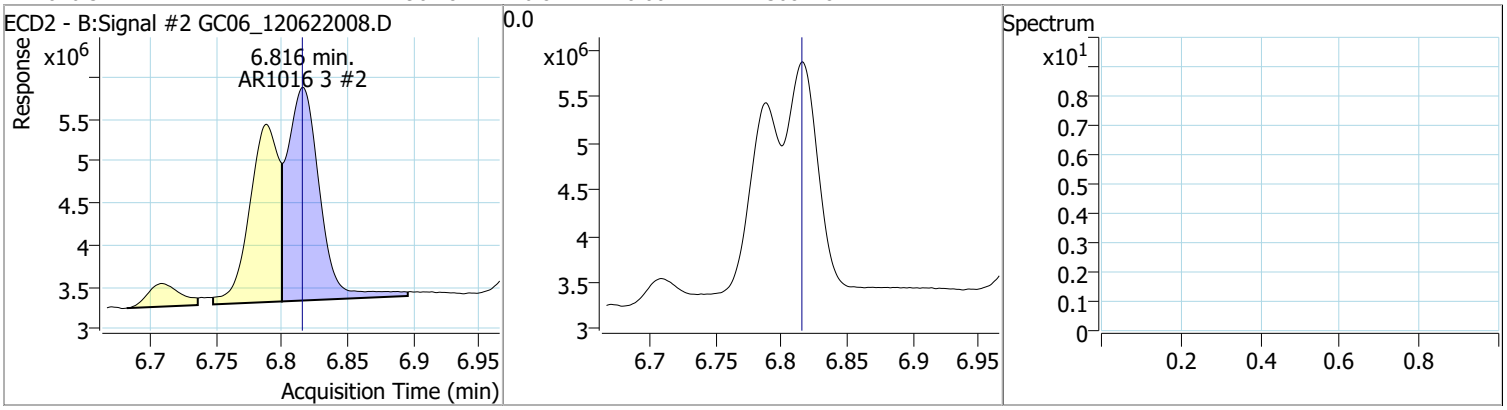
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	279.9777	6.26	0.00	2319014 (m)				



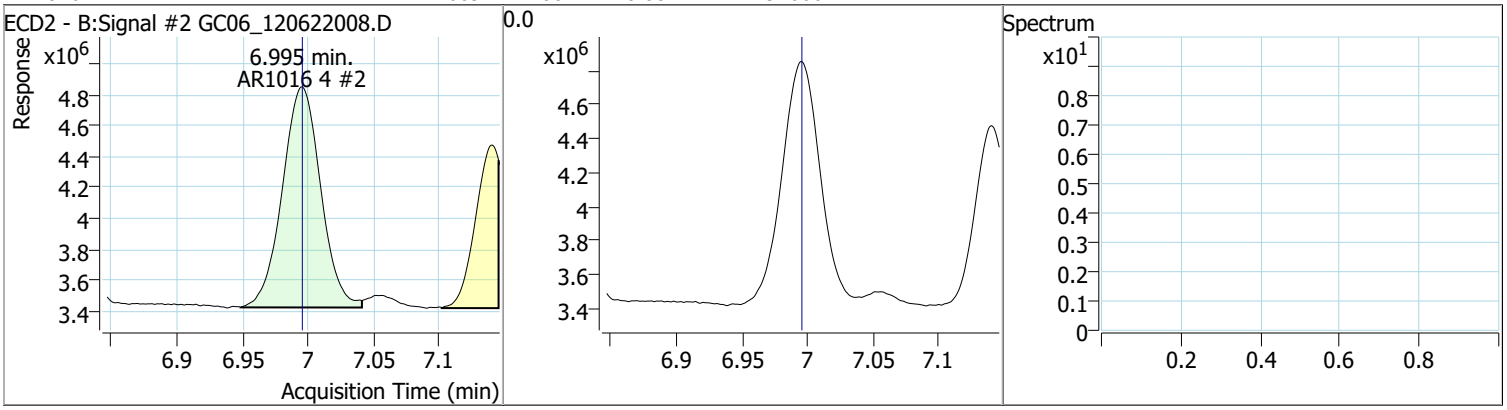
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	269.7345	6.67	0.00	563503				



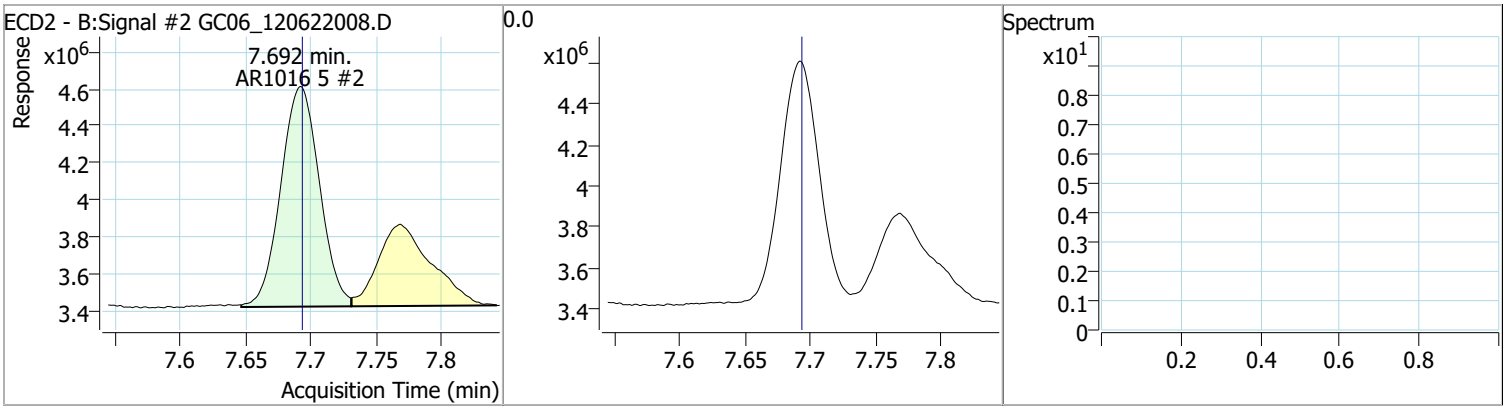
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	290.2821	6.82	0.00	4368748				



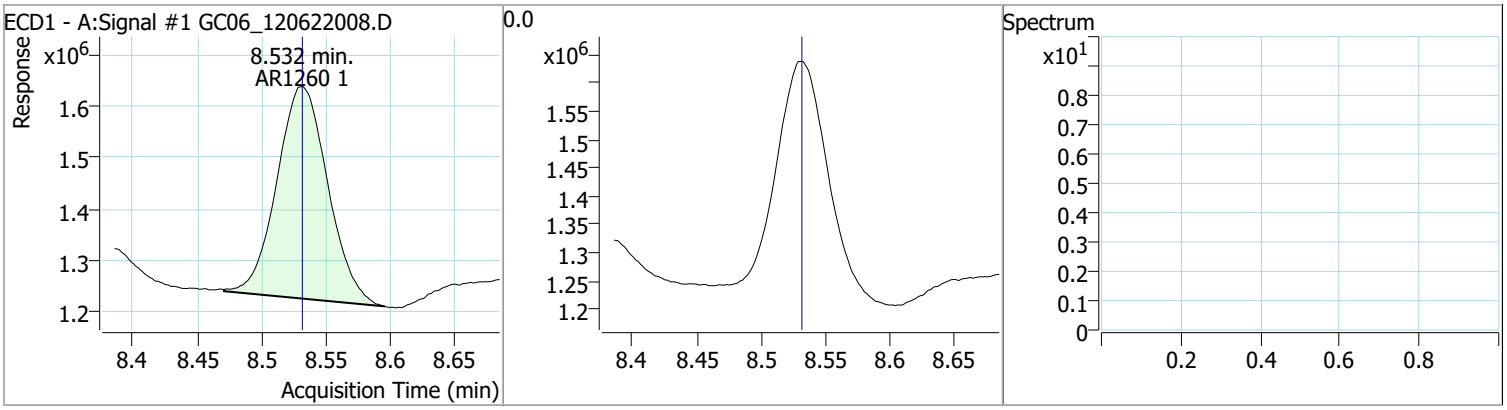
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	271.4609	7.00	0.00	2916667				



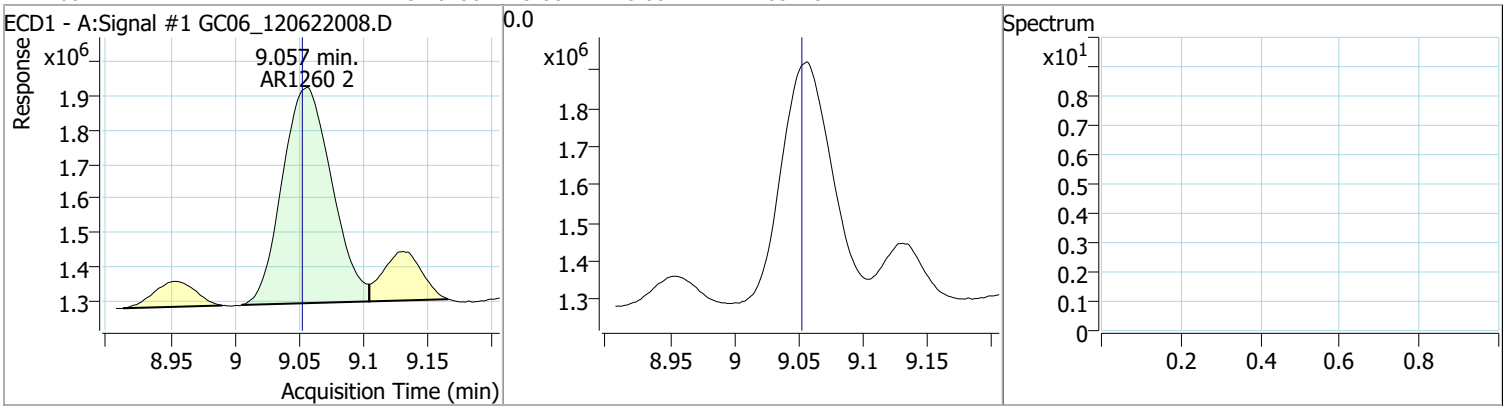
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	280.2717	7.69	-0.01	2447746				



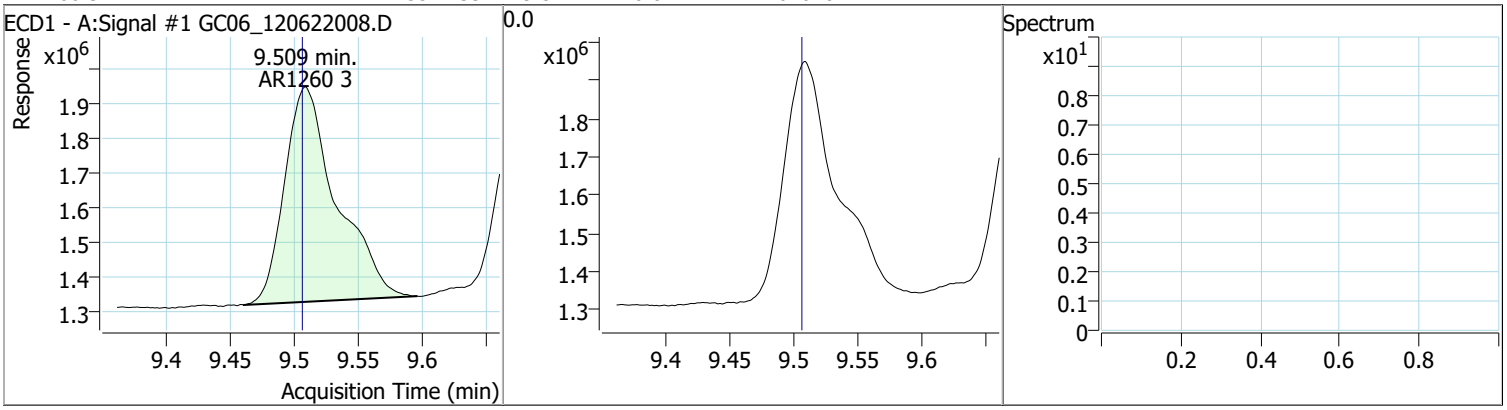
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	263.5387	8.53	-0.01	1143114				



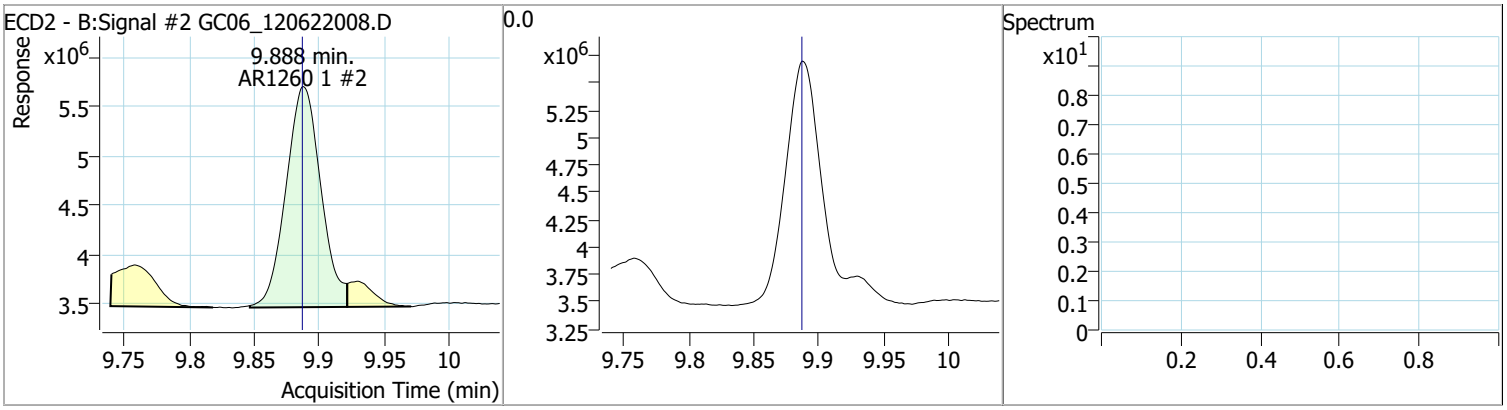
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	254.8256	9.06	0.00	1684704				



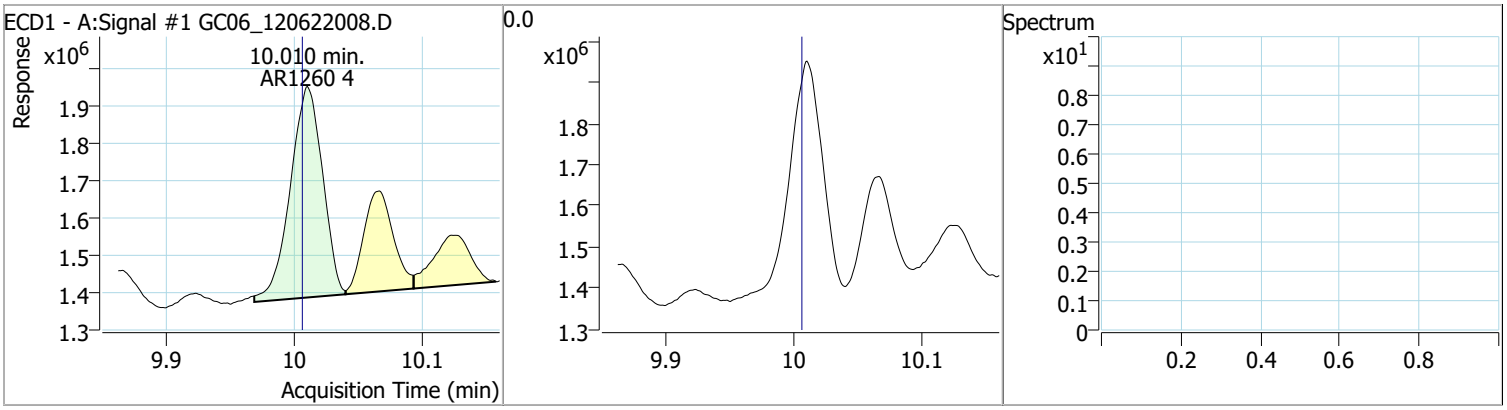
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	255.7133	9.51	-0.01	1767018				



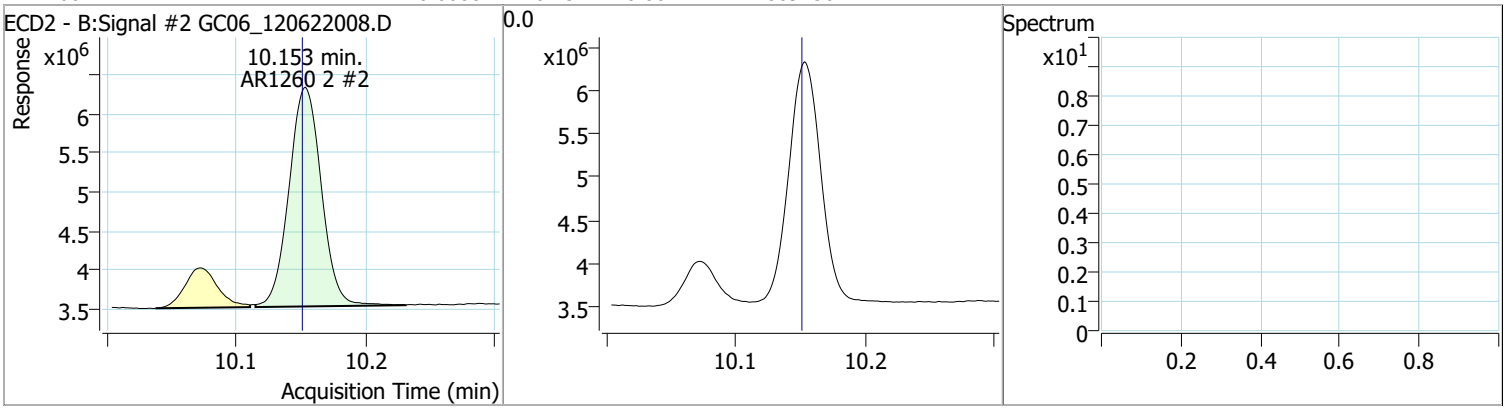
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	254.2816	9.89	0.00	4177780				



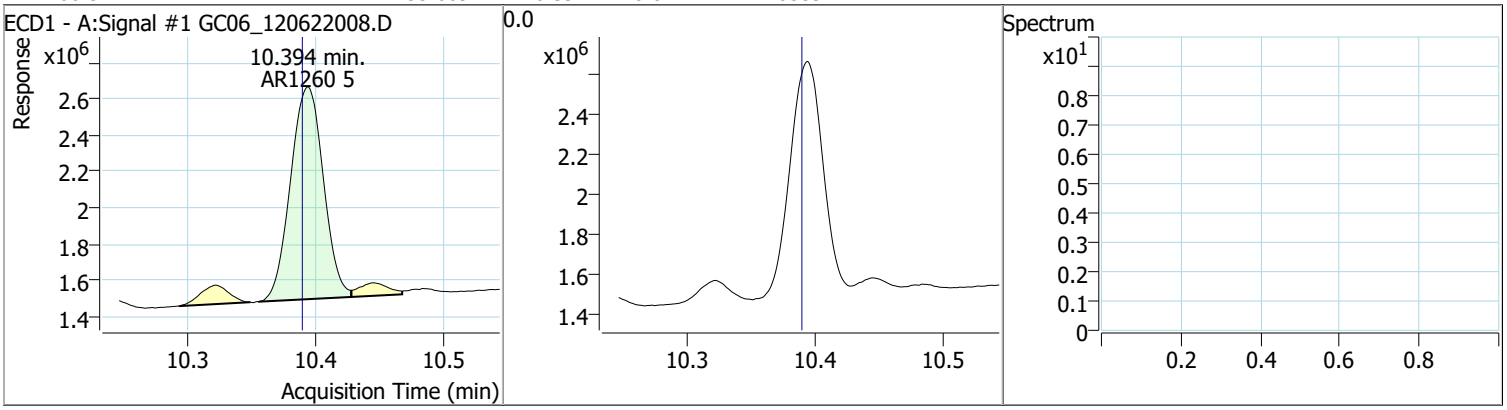
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	258.2706	10.01	-0.01	998980				



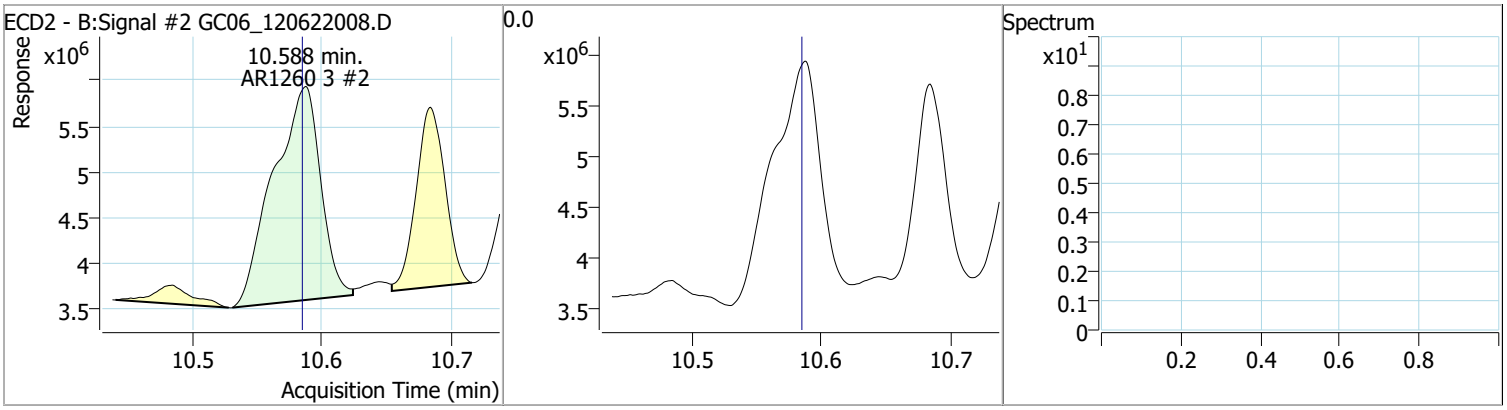
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	246.6608	10.15	0.00	4869256				



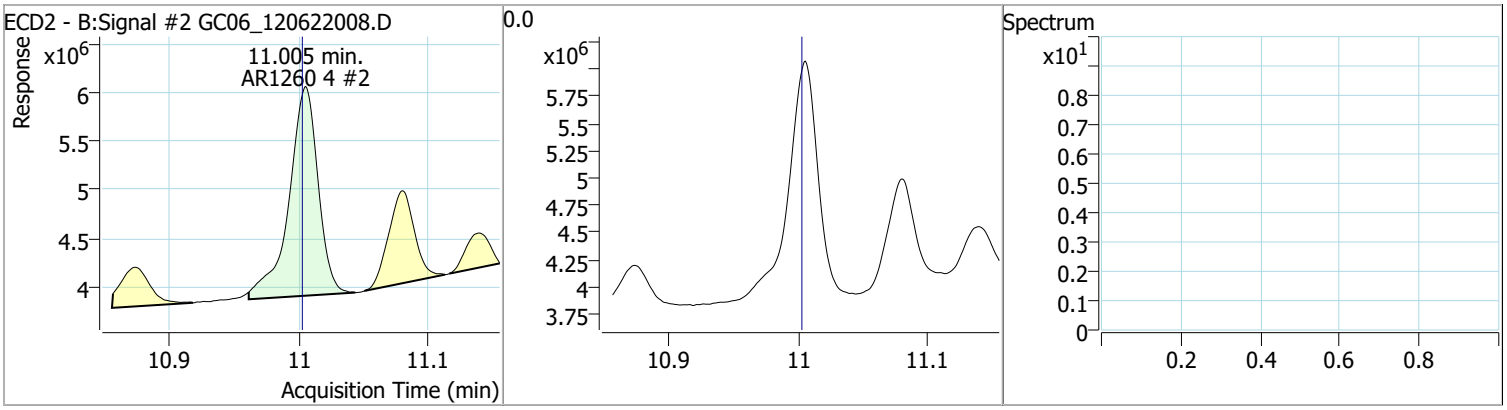
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	255.6091	10.39	-0.01	2105591				



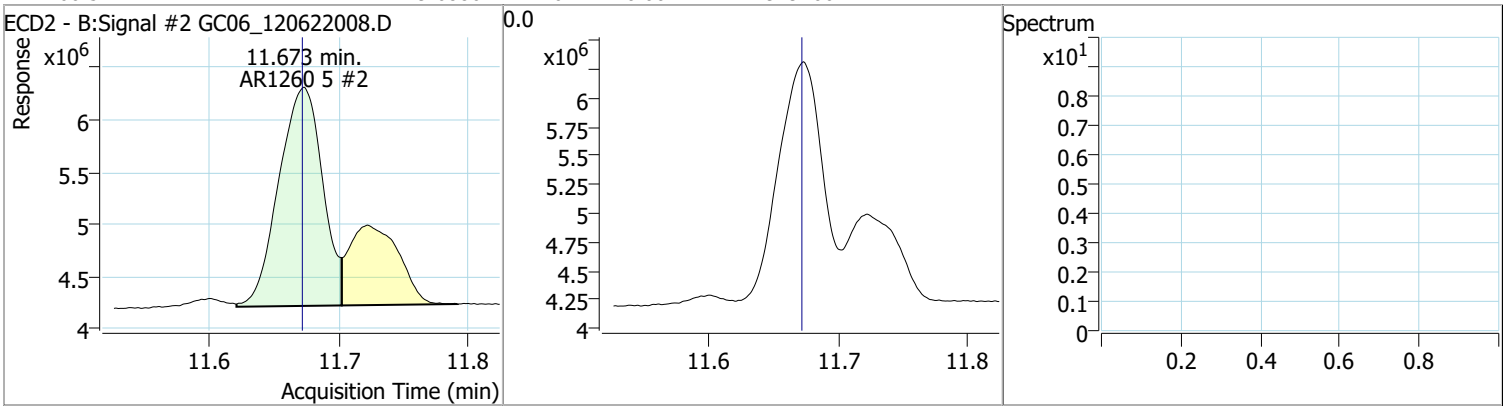
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	236.5427	10.59	0.00	5910583				



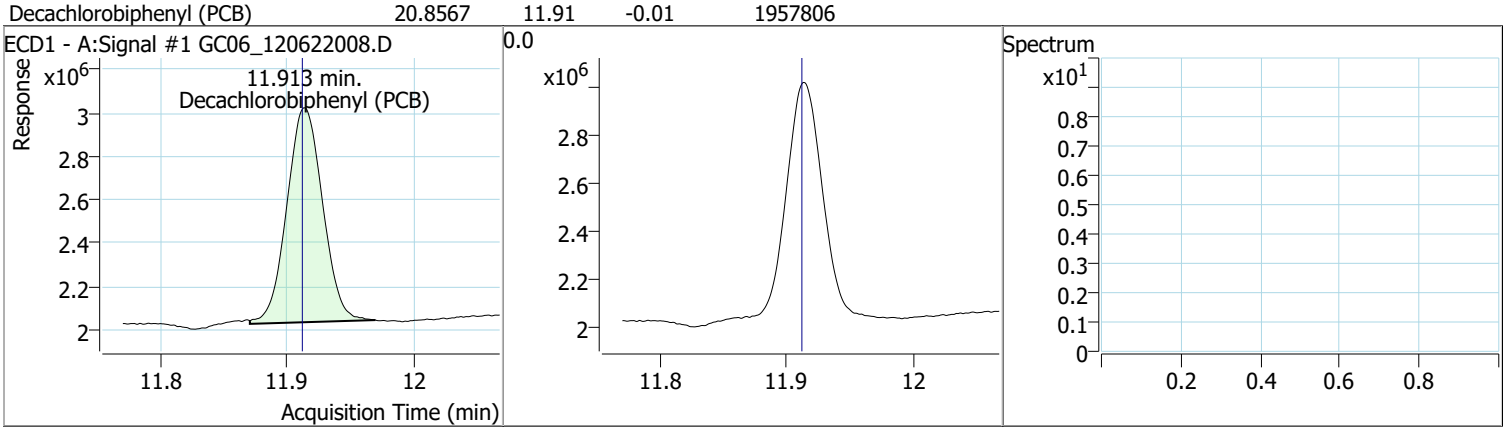
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	224.9659	11.01	0.00	3409633				



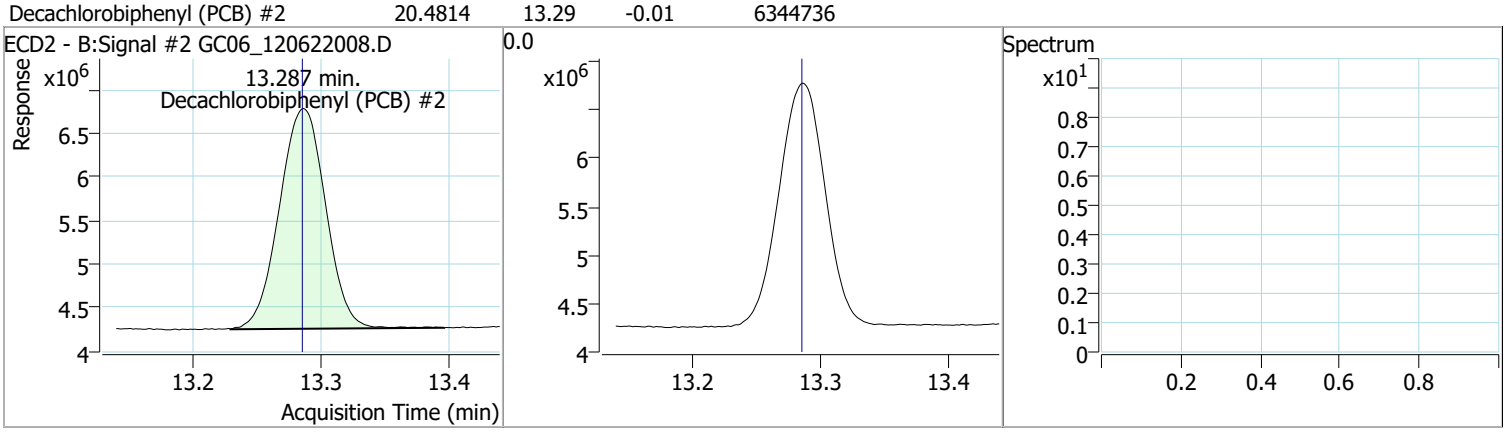
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	219.6886	11.67	0.00	4949400				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	20.8567	11.91	-0.01	1957806				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.4814	13.29	-0.01	6344736				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 473364 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_102422014	452428510014		24-OCT-2022 17:26	S17263
L2	gc06_102422015	452428510015		24-OCT-2022 17:44	S17264
L3	gc06_102422016	452428510016		24-OCT-2022 18:02	S17265
L4	gc06_102422017	452428510017		24-OCT-2022 18:20	S17266
L5	gc06_102422018	452428510018		24-OCT-2022 18:38	S17267
L6	gc06_102422019	452428510019		24-OCT-2022 18:55	S17268
L7	gc06_102422020	452428510020		24-OCT-2022 19:13	S17269
L8	gc06_102422021	452428510021		24-OCT-2022 19:31	S17270
L9	gc06_102422022	452428510022		24-OCT-2022 19:49	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		47.6898		0.0210		15	9	.99	20	
Aroclor-1016 Peak # 2	A	LINR	-15.389	23.9841		0.0490	0.997		7	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		18.8095		0.0532		15	9	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		24.7311		0.0404		14	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		30.7045		0.0326		15	9	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		14.7882		0.0676		18	8	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		9.70243		0.1031		17	8	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.28268		0.1077		17	8	.99	20	
Aroclor-1260 Peak # 4	A	LINR	-15.439	17.5746		0.0643	0.998		7	.99	20	
Aroclor-1260 Peak # 5	A	LINR	-18.106	8.33830		0.1368	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	A	LINR	-4.3231	0.82496		1.4080	0.999		6	.99	20	
TCMX (PCB)	A	AVRG		1.03996		0.9616		13	9	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		48.1076		0.0208		13	9	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		33.3260		0.0300		14	9	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		18.3412		0.0545		16	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		25.6912		0.0389		12	9	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		31.6065		0.0316		13	9	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		16.8009		0.0595		14	8	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		13.9830		0.0715		15	8	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.0470		0.0905		16	8	.99	20	
Aroclor-1260 Peak # 4	B	LINR	-23.653	20.1271		0.0597	0.996		7	.99	20	
Aroclor-1260 Peak # 5	B	LINR	-18.665	13.2930		0.0873	0.999		8	.99	20	
Decachlorobiphenyl (PCB)	B	LINR	-2.1138	0.98301		1.2084	0.999		8	.99	20	
TCMX (PCB)	B	AVRG		1.04112		0.9605		10	9	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor
LINR: Linear regression

ENTHALPY INITIAL CALIBRATION FOR 473364 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
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	0.0275	0.0229	0.0229	0.0213	0.0183	0.0203	0.0197	0.0189	0.0170
Aroclor-1016 Peak # 2	A	0.0705	0.0493	0.0498	0.0471	0.0402	0.0443	0.0419		
Aroclor-1016 Peak # 3	A	0.0694	0.0572	0.0577	0.0553	0.0469	0.0521	0.0499	0.0477	0.0422
Aroclor-1016 Peak # 4	A	0.0506	0.0443	0.0443	0.0420	0.0361	0.0399	0.0381	0.0367	0.0320
Aroclor-1016 Peak # 5	A	0.0417	0.0355	0.0355	0.0335	0.0292	0.0321	0.0306	0.0296	0.0253
Aroclor-1260 Peak # 1	A	0.0937	0.0726	0.0712	0.0675	0.0578	0.0620	0.0600	0.0564	
Aroclor-1260 Peak # 2	A	0.1377	0.1100	0.1119	0.1048	0.0901	0.0941	0.0896	0.0864	
Aroclor-1260 Peak # 3	A	0.1494	0.1089	0.1140	0.1083	0.0928	0.0997	0.0955	0.0931	
Aroclor-1260 Peak # 4	A	0.0776	0.0657	0.0680	0.0657	0.0561	0.0598	0.0571		
Aroclor-1260 Peak # 5	A	0.1719	0.1443	0.1523	0.1392	0.1178	0.1263	0.1212	0.1213	
Decachlorobiphenyl (PCB)	A			1.7517	1.5276	1.3136	1.3325	1.2692	1.2537	
TCMX (PCB)	A	1.2724	0.9655	0.9830	0.9621	0.8303	0.9420	0.9219	0.9218	0.8552
Aroclor-1016 Peak # 1	B	0.0258	0.0224	0.0221	0.0217	0.0189	0.0208	0.0199	0.0188	0.0168
Aroclor-1016 Peak # 2	B	0.0369	0.0328	0.0337	0.0319	0.0262	0.0293	0.0282	0.0270	0.0241
Aroclor-1016 Peak # 3	B	0.0731	0.0591	0.0595	0.0548	0.0476	0.0526	0.0506	0.0504	0.0429
Aroclor-1016 Peak # 4	B	0.0470	0.0426	0.0424	0.0410	0.0348	0.0383	0.0370	0.0362	0.0311
Aroclor-1016 Peak # 5	B	0.0389	0.0336	0.0345	0.0334	0.0285	0.0314	0.0302	0.0296	0.0248
Aroclor-1260 Peak # 1	B	0.0741	0.0638	0.0673	0.0608	0.0510	0.0551	0.0527	0.0514	
Aroclor-1260 Peak # 2	B	0.0910	0.0798	0.0790	0.0726	0.0608	0.0651	0.0625	0.0613	
Aroclor-1260 Peak # 3	B	0.1187	0.0977	0.0986	0.0907	0.0769	0.0826	0.0797	0.0793	
Aroclor-1260 Peak # 4	B	0.0785	0.0629	0.0647	0.0583	0.0503	0.0539	0.0496		
Aroclor-1260 Peak # 5	B	0.1184	0.0925	0.0953	0.0868	0.0743	0.0790	0.0760	0.0762	
Decachlorobiphenyl (PCB)	B	1.6271	1.2663	1.3495	1.2170	1.0610	1.0826	1.0310	1.0324	
TCMX (PCB)	B	1.1603	0.9978	0.9817	0.9671	0.8301	0.9599	0.9328	0.9461	0.8687

ENTHALPY INITIAL CALIBRATION FOR 473364 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
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	**31**	50.000	9	100.00	9	250.00	1	500.00	-13	749.91	-3	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 2	A	20.000	-8	50.000	-12	100.00	4	250.00	7	500.00	-7	749.91	4	1000.0	-1		
Aroclor-1016 Peak # 3	A	20.000	**31**	50.000	8	100.00	9	250.00	4	500.00	-12	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 4	A	20.000	**25**	50.000	10	100.00	10	250.00	4	500.00	-11	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1016 Peak # 5	A	20.000	**28**	50.000	9	100.00	9	250.00	3	500.00	-10	749.91	-1	1000.0	-6	1500.0	-9
Aroclor-1260 Peak # 1	A	20.000	**38**	50.000	7	100.00	5	250.00	0	500.00	-15	749.91	-8	1000.0	-11	1500.0	-17
Aroclor-1260 Peak # 2	A	20.000	**34**	50.000	7	100.00	9	250.00	2	500.00	-13	749.91	-9	1000.0	-13	1500.0	-16
Aroclor-1260 Peak # 3	A	20.000	**39**	50.000	1	100.00	6	250.00	1	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 4	A	20.000	**-41**	50.000	-15	100.00	4	250.00	9	500.00	-4	749.91	3	1000.0	-1		
Aroclor-1260 Peak # 5	A	20.000	**-47**	50.000	-16	100.00	9	250.00	9	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	A					8.0000	-10	20.000	4	40.000	-2	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	A	1.6000	**32**	4.0000	0	8.0000	2	20.000	0	40.000	-14	59.993	-2	80.000	-4	120.00	-4
Aroclor-1016 Peak # 1	B	20.000	**24**	50.000	8	100.00	6	250.00	4	500.00	-9	749.91	0	1000.0	-4	1500.0	-10
Aroclor-1016 Peak # 2	B	20.000	**23**	50.000	9	100.00	12	250.00	6	500.00	-13	749.91	-2	1000.0	-6	1500.0	-10
Aroclor-1016 Peak # 3	B	20.000	**34**	50.000	8	100.00	9	250.00	1	500.00	-13	749.91	-4	1000.0	-7	1500.0	-8
Aroclor-1016 Peak # 4	B	20.000	**21**	50.000	9	100.00	9	250.00	5	500.00	-11	749.91	-2	1000.0	-5	1500.0	-7
Aroclor-1016 Peak # 5	B	20.000	**23**	50.000	6	100.00	9	250.00	5	500.00	-10	749.91	-1	1000.0	-5	1500.0	-6
Aroclor-1260 Peak # 1	B	20.000	**24**	50.000	7	100.00	13	250.00	2	500.00	-14	749.91	-7	1000.0	-11	1500.0	-14
Aroclor-1260 Peak # 2	B	20.000	**27**	50.000	12	100.00	11	250.00	2	500.00	-15	749.91	-9	1000.0	-13	1500.0	-14
Aroclor-1260 Peak # 3	B	20.000	**31**	50.000	8	100.00	9	250.00	0	500.00	-15	749.91	-9	1000.0	-12	1500.0	-12
Aroclor-1260 Peak # 4	B	20.000	**-60**	50.000	**-21**	100.00	7	250.00	8	500.00	-4	749.91	5	1000.0	-3		
Aroclor-1260 Peak # 5	B	20.000	**-36**	50.000	-14	100.00	8	250.00	8	500.00	-5	749.91	3	1000.0	-1	1500.0	0
Decachlorobiphenyl (PCB)	B	1.6000	**-72**	4.0000	**-28**	8.0000	6	20.000	9	40.000	-1	59.993	3	80.000	-1	120.00	0
TCMX (PCB)	B	1.6000	**21**	4.0000	4	8.0000	2	20.000	1	40.000	-14	59.993	0	80.000	-3	120.00	-1

ENTHALPY INITIAL CALIBRATION FOR 473364 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_102422_1
Calibration #:	452428510002	Date:	24-OCT-2022 17:26
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D
Aroclor-1016 Peak # 1	A	2000.0	-19
Aroclor-1016 Peak # 2	A		
Aroclor-1016 Peak # 3	A	2000.0	**-21**
Aroclor-1016 Peak # 4	A	2000.0	**-21**
Aroclor-1016 Peak # 5	A	2000.0	**-22**
Aroclor-1260 Peak # 1	A		
Aroclor-1260 Peak # 2	A		
Aroclor-1260 Peak # 3	A		
Aroclor-1260 Peak # 4	A		
Aroclor-1260 Peak # 5	A		
Decachlorobiphenyl (PCB)	A		
TCMX (PCB)	A	160.00	-11
Aroclor-1016 Peak # 1	B	2000.0	-19
Aroclor-1016 Peak # 2	B	2000.0	-20
Aroclor-1016 Peak # 3	B	2000.0	**-21**
Aroclor-1016 Peak # 4	B	2000.0	-20
Aroclor-1016 Peak # 5	B	2000.0	**-22**
Aroclor-1260 Peak # 1	B		
Aroclor-1260 Peak # 2	B		
Aroclor-1260 Peak # 3	B		
Aroclor-1260 Peak # 4	B		
Aroclor-1260 Peak # 5	B		
Decachlorobiphenyl (PCB)	B		
TCMX (PCB)	B	160.00	-10

TRN 10/26/22 : Manually integrated for coeluting peak/draw baseline on both channel for multiple channels

Analyst: TRN 10/26/22

Reviewer: LW 10/27/22

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 473364 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_102422_1
Calnum:	452428510002	Cal Date:	24-OCT-2022

- ICV 452428510024 (gc06_102422024 24-OCT-2022) stds: S17274

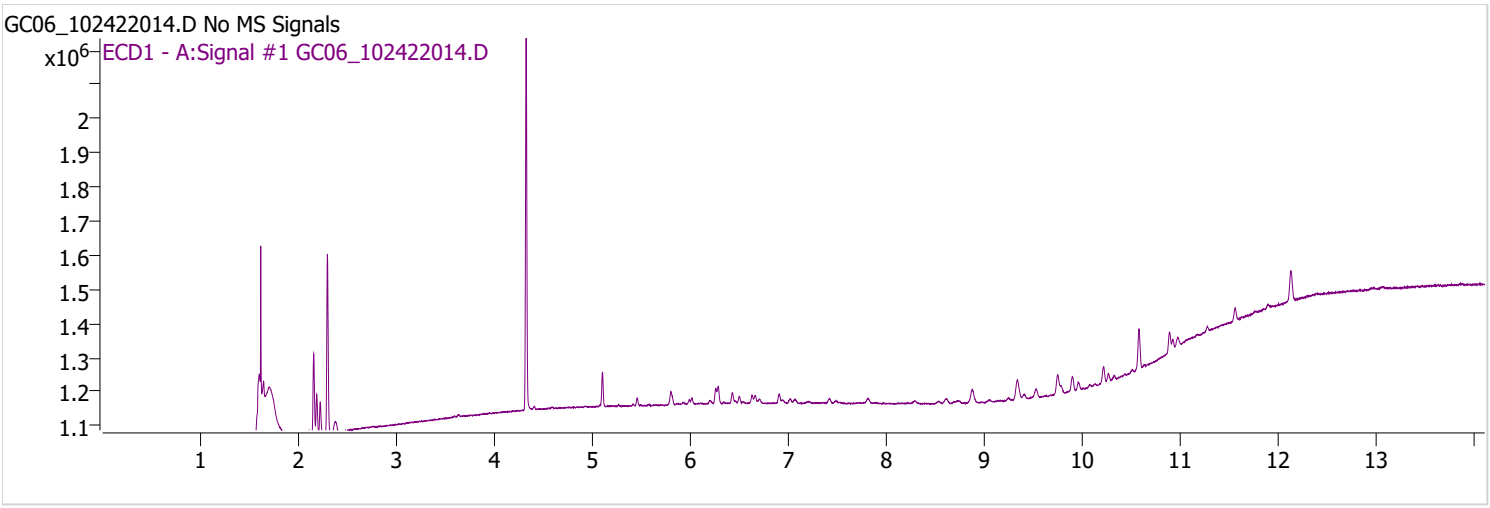
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	486.9	ug/L	-3	15	
Aroclor-1260	A	500.0	451.5	ug/L	-10	15	
Aroclor-1016	B	500.0	481.3	ug/L	-4	15	
Aroclor-1260	B	500.0	455.3	ug/L	-9	15	

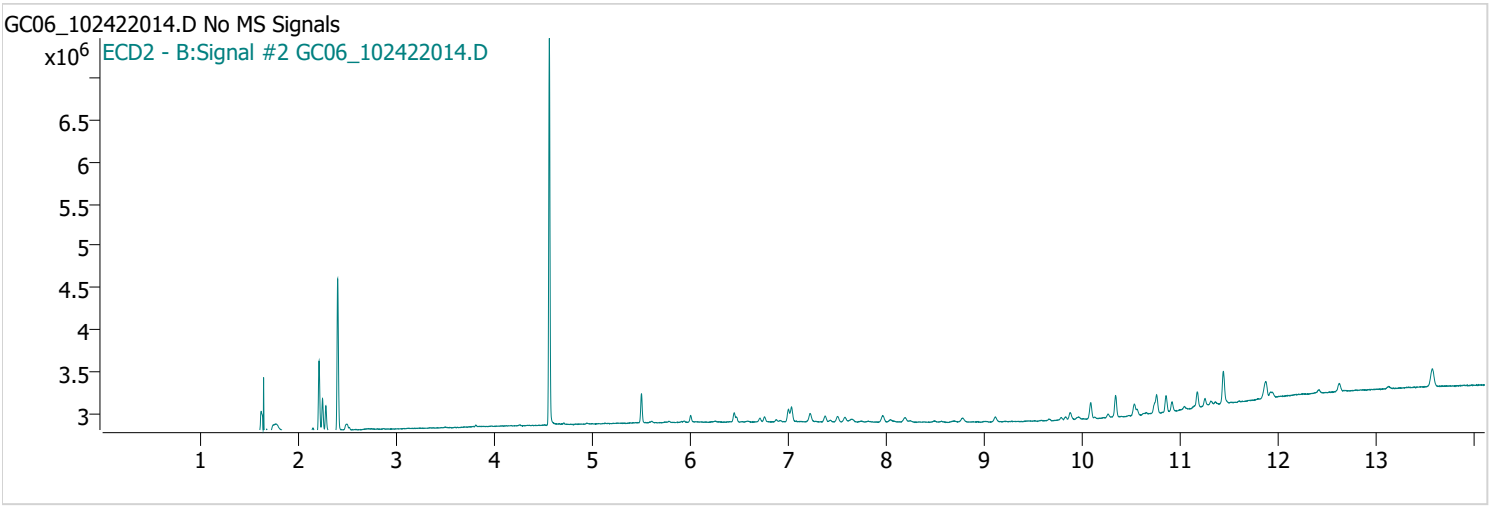
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Analyst: TRN 10/26/22 **Reviewer:** LW 10/27/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_102422014.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 5:26:16 PM
Sample Name	ICAL, S17263	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



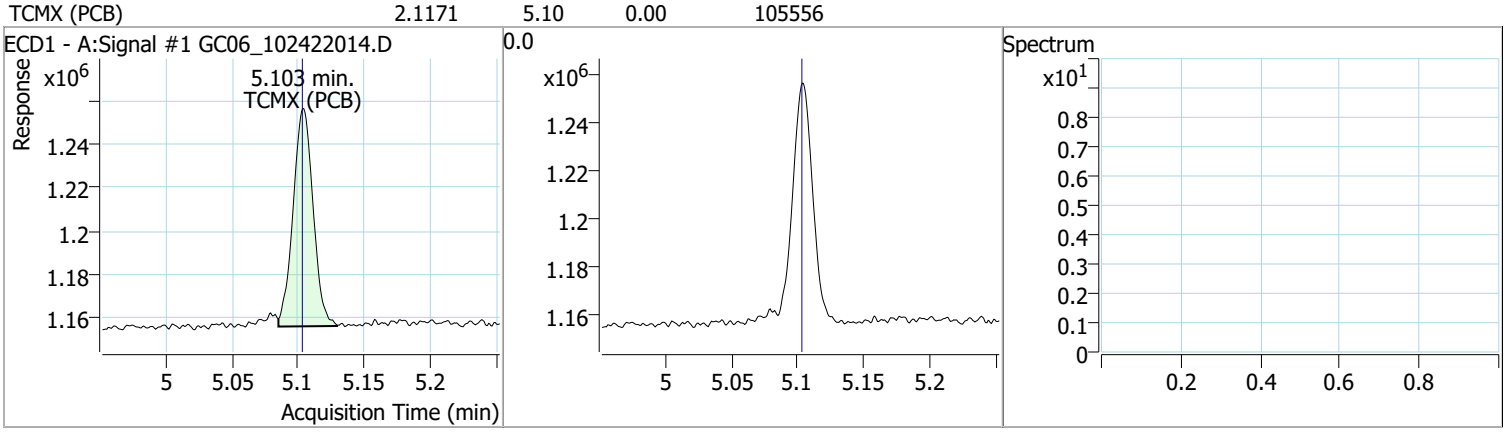


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.324	0.0	1037016.219	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4201953.160	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	105555.954	2.1171	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 10.59%		*	
S TCMX (PCB) #2	5.502	0.0	390058.222	1.9329	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.66%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	184176.168	0.0000	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 0.00%		*	
S Decachlorobiphenyl (PCB) #2	13.576	0.0	546954.440	0.4459	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 2.23%		*	
Target Compounds							**QValue**
T AR1016 1	5.458	0.0	28480.322	26.1951	ng/ml		100
T AR1016 2	5.802	0.0	73071.976	18.4116	ng/ml		100
T AR1016 1 #2	6.004	0.0	108525.199	24.8502	ng/ml		100

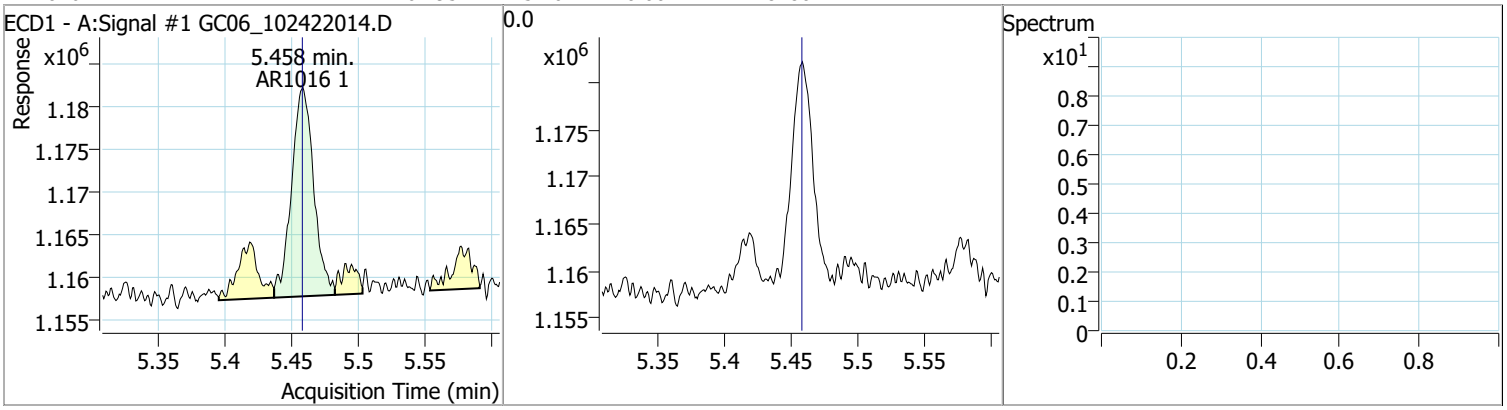
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 3	6.285	0.0	71957.123	26.1037	ng/ml		100
T AR1016 4	6.430	0.0	52488.922	25.0358	ng/ml	m	100
T AR1016 2 #2	6.449	0.0	154975.476	24.5828	ng/ml		100
T AR1016 5	6.908	0.0	43274.534	25.6262	ng/ml		100
T AR1016 3 #2	7.033	0.0	307317.024	26.8286	ng/ml		100
T AR1016 4 #2	7.223	0.0	197434.079	24.1430	ng/ml		100
T AR1016 5 #2	7.966	0.0	163277.665	24.5634	ng/ml		100
T AR1260 1	8.881	0.0	97121.012	27.7000	ng/ml		100
T AR1260 2	9.339	0.0	142815.316	26.7243	ng/ml		100
T AR1260 3	9.751	0.0	154959.969	27.7424	ng/ml	m	100
T AR1260 1 #2	10.089	0.0	311262.229	24.8911	ng/ml		100
T AR1260 4	10.220	0.0	80435.978	11.8240	ng/ml		100
T AR1260 2 #2	10.342	0.0	382187.365	25.4368	ng/ml		100
T AR1260 5	10.581	0.0	178298.760	10.5736	ng/ml		100
T AR1260 3 #2	10.761	0.0	498567.492	26.2151	ng/ml		100
T AR1260 4 #2	11.176	0.0	329727.817	7.9351	ng/ml		100
T AR1260 5 #2	11.876	0.0	497381.031	12.8115	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

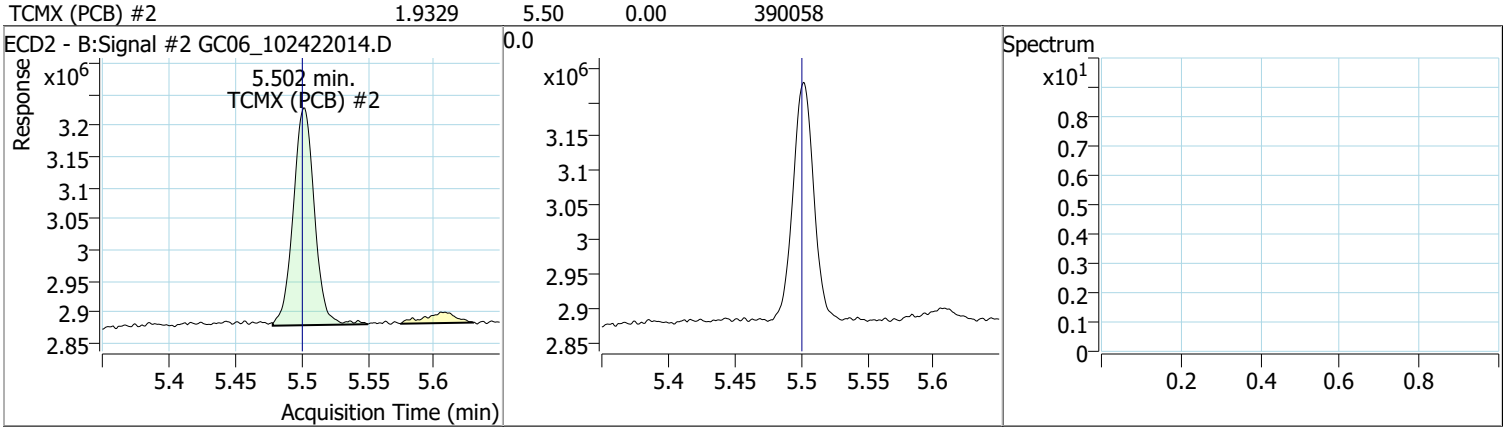
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	2.1171	5.10	0.00	105556				



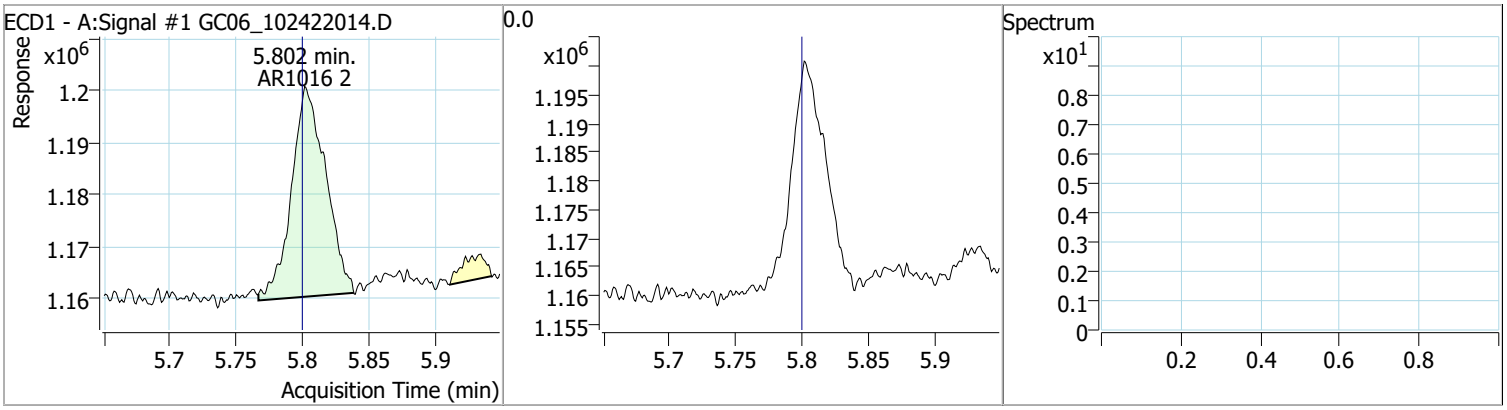
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	26.1951	5.46	0.00	28480				



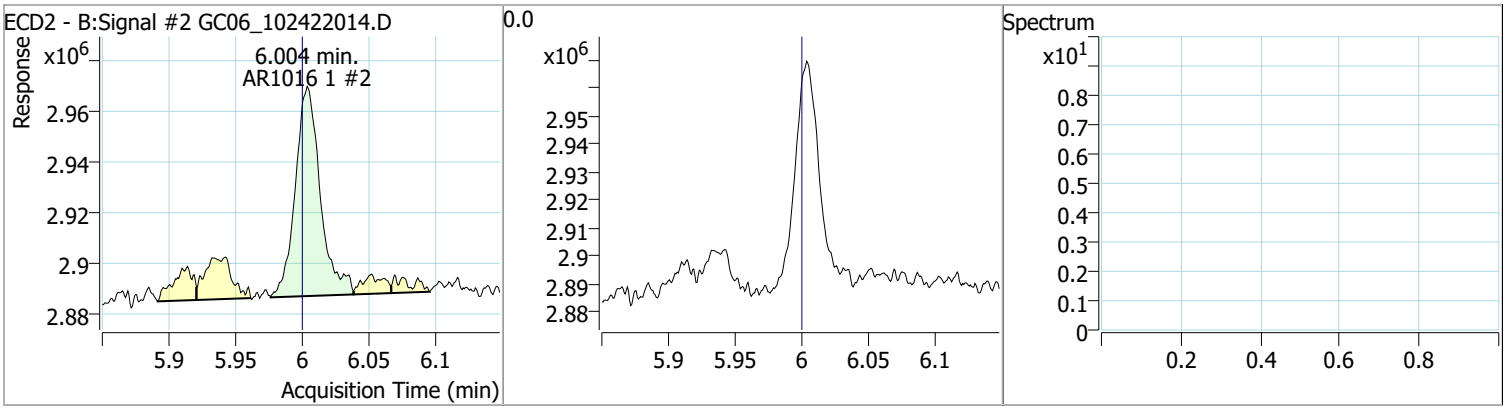
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.9329	5.50	0.00	390058				



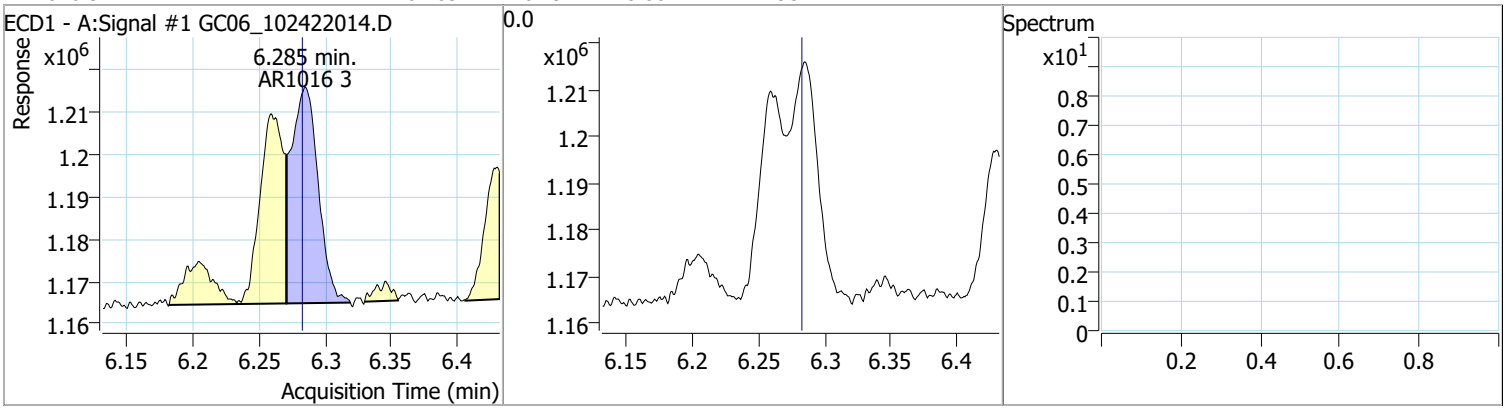
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	18.4116	5.80	0.00	73072				



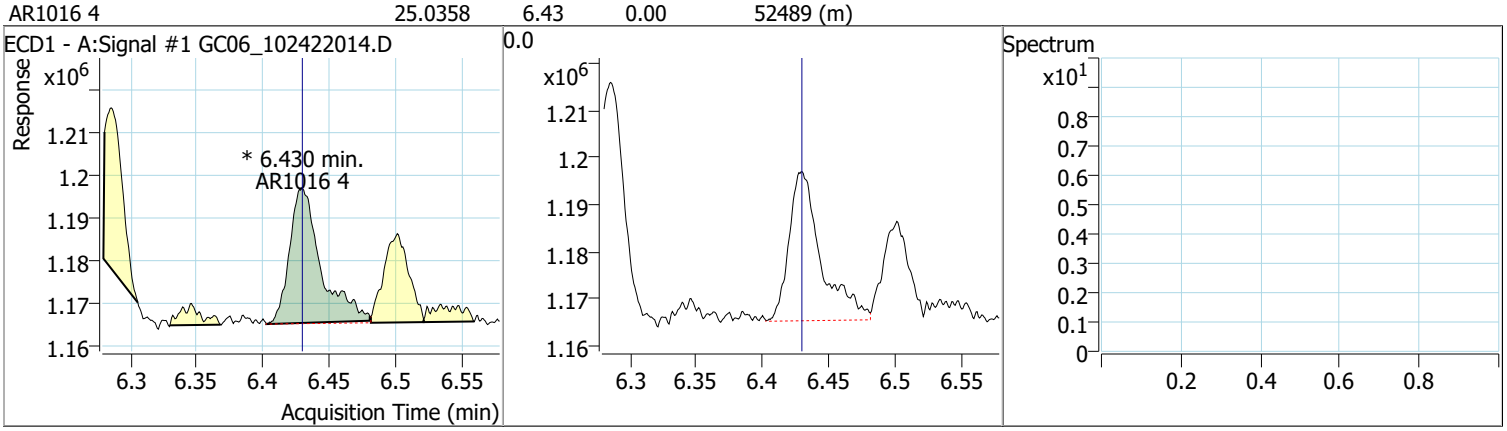
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	24.8502	6.00	0.00	108525				



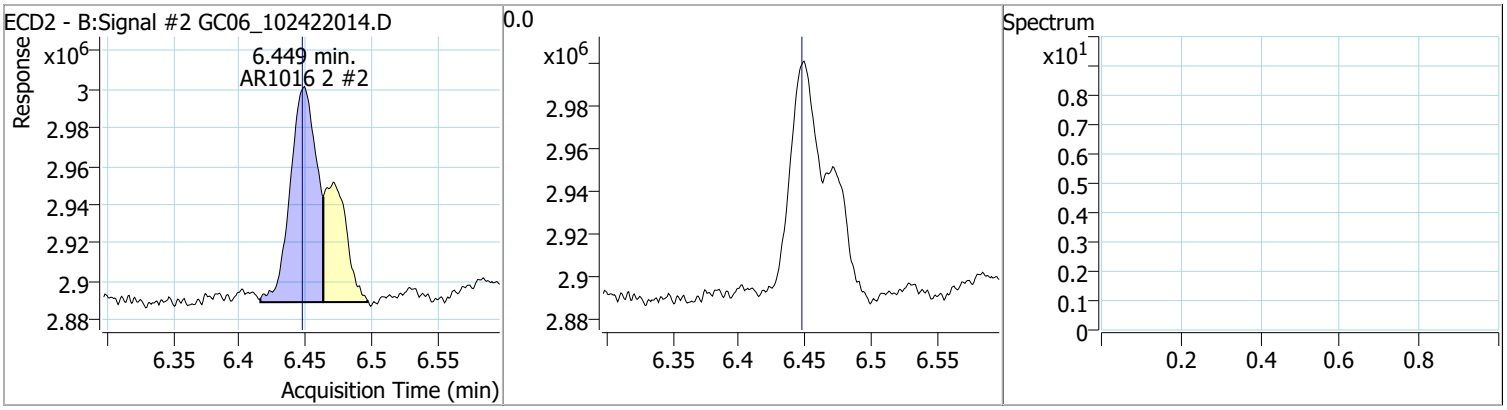
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	26.1037	6.29	0.00	71957				



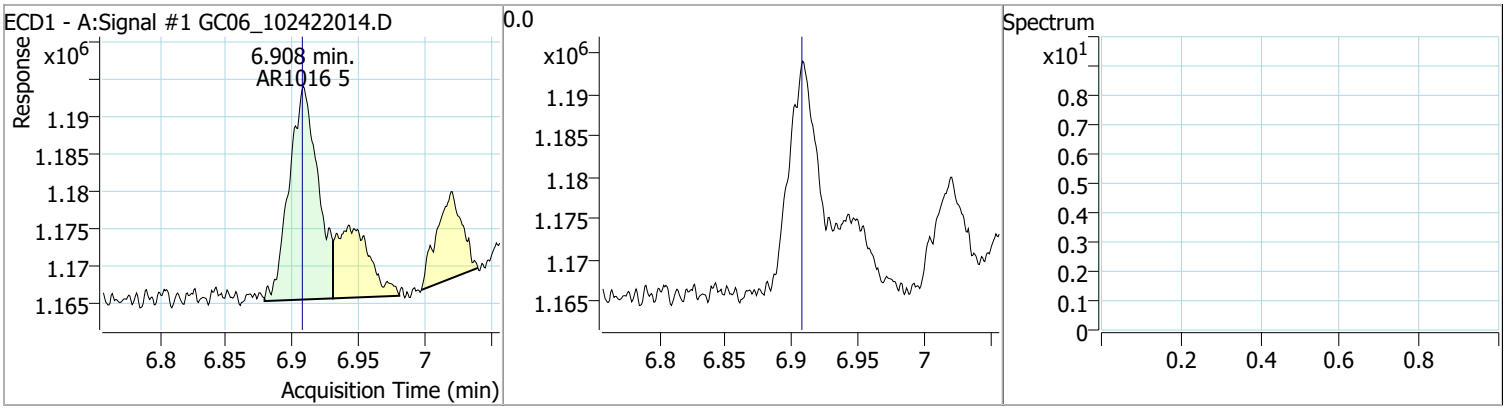
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	25.0358	6.43	0.00	52489 (m)				



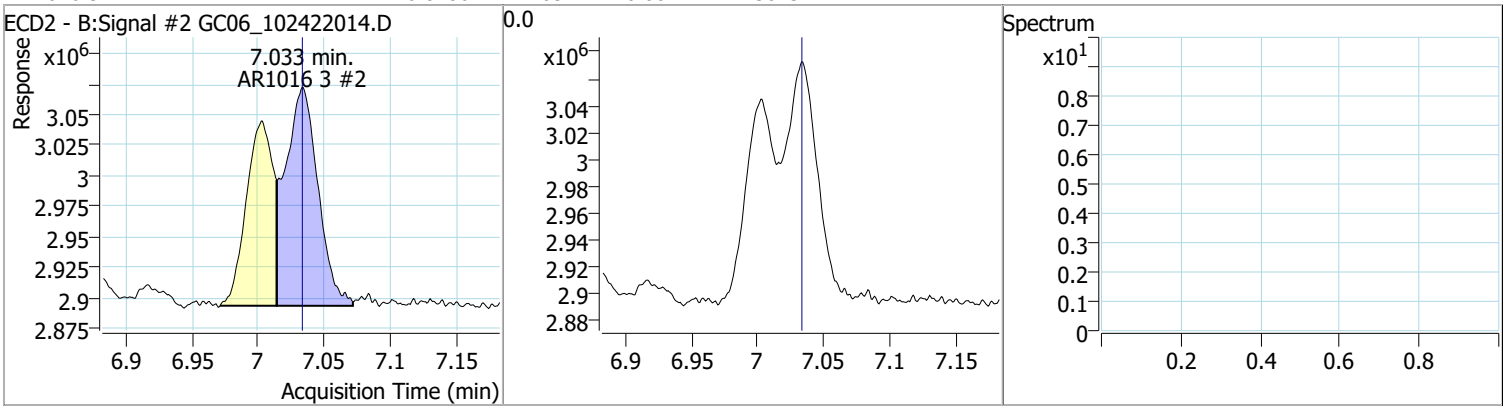
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	24.5828	6.45	0.00	154975				



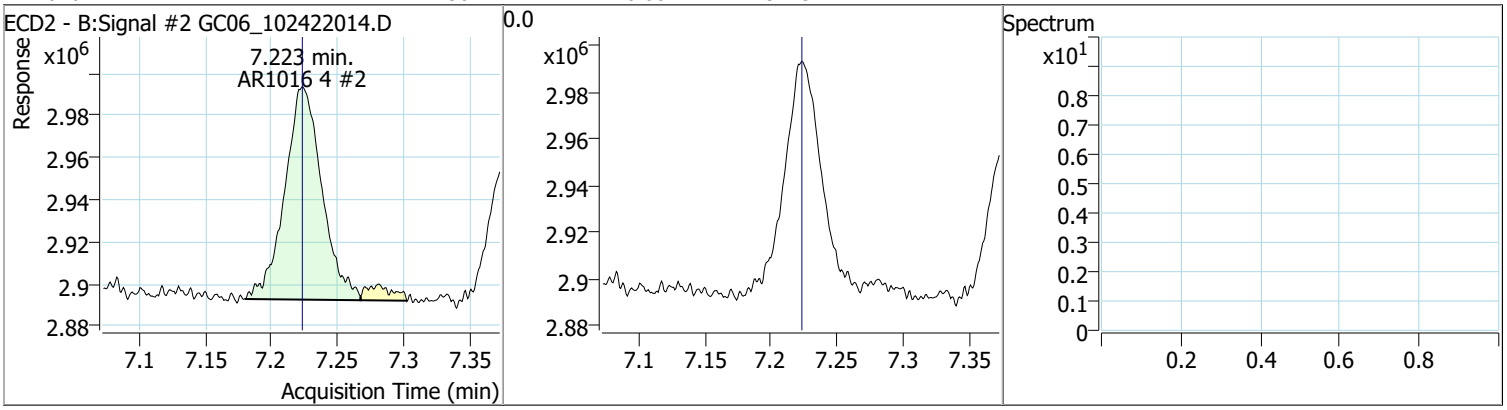
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	25.6262	6.91	0.00	43275				



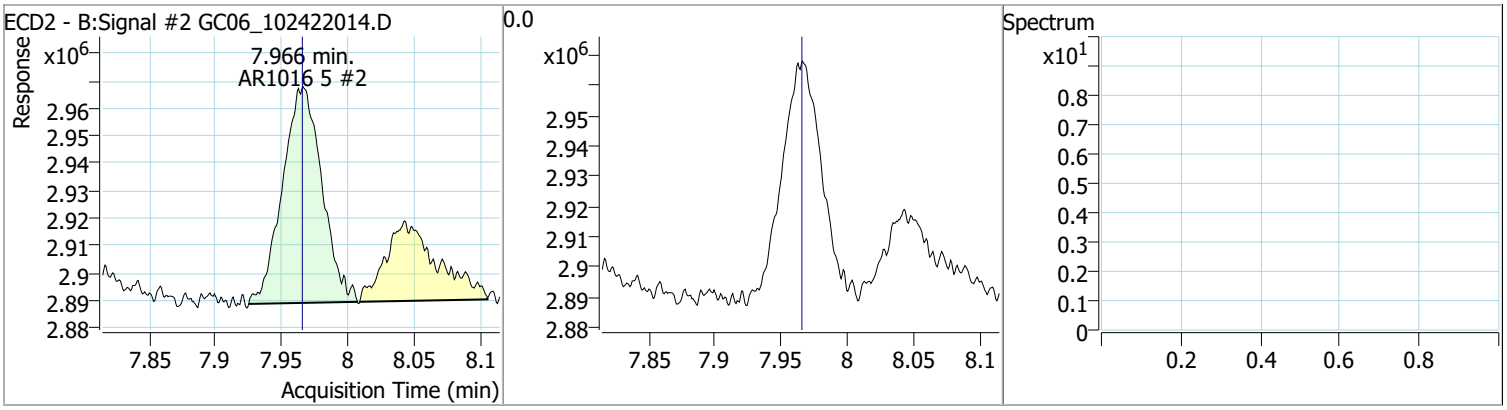
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	26.8286	7.03	0.00	307317				



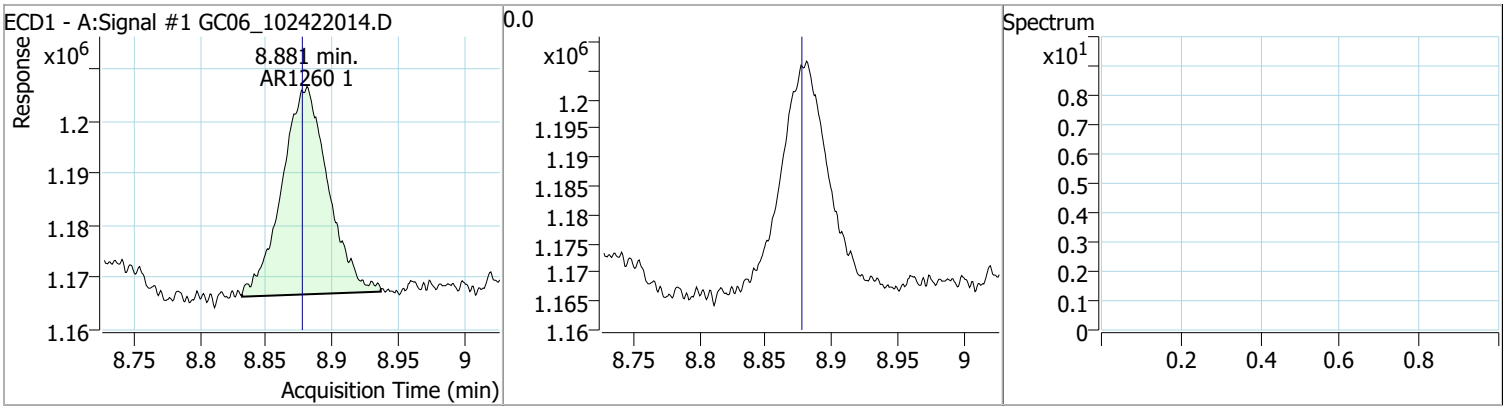
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	24.1430	7.22	0.00	197434				



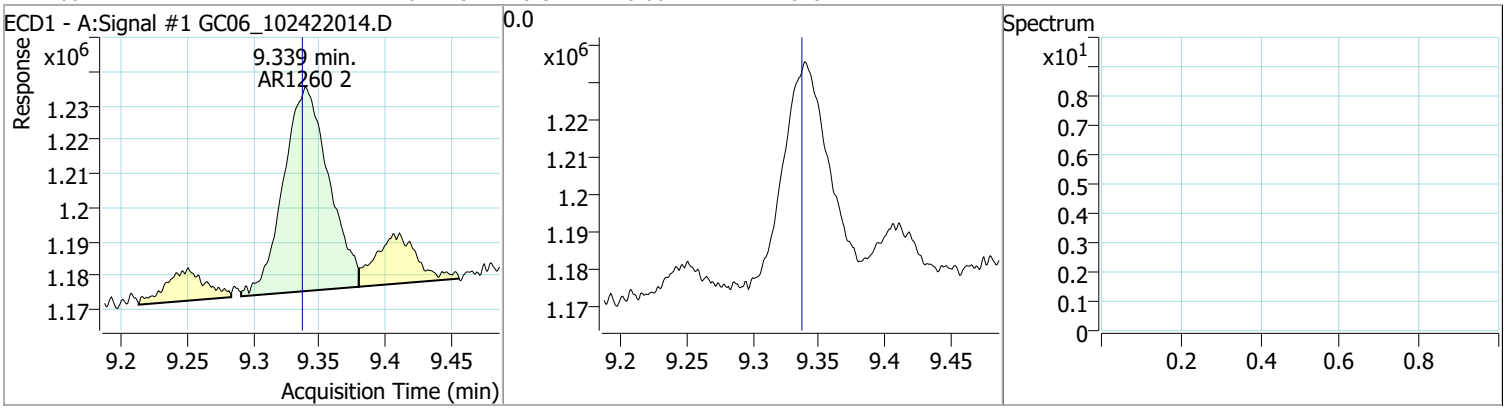
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	24.5634	7.97	0.00	163278				



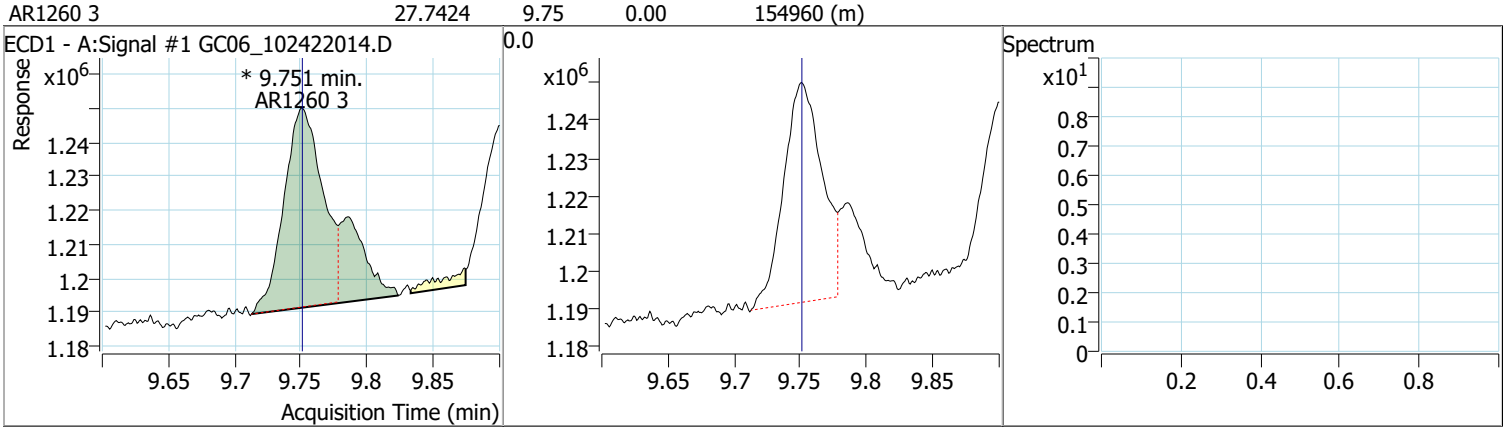
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	27.7000	8.88	0.00	97121				



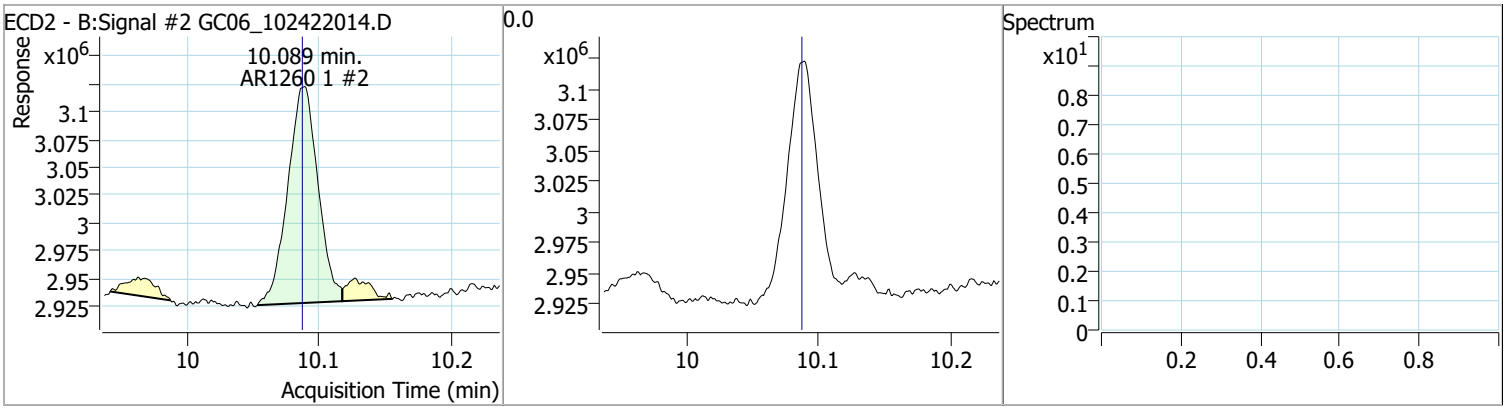
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	26.7243	9.34	0.00	142815				



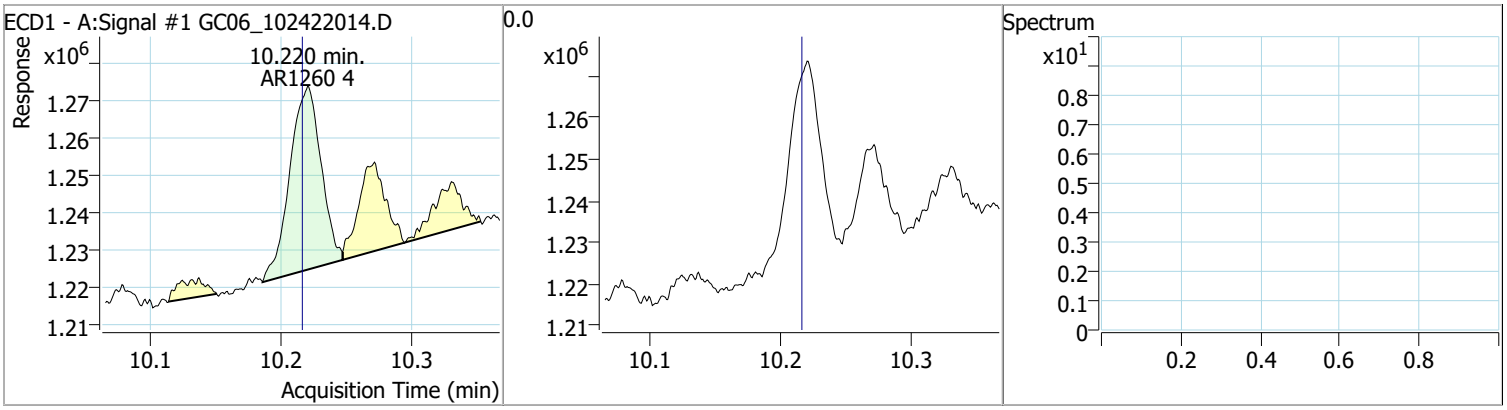
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	27.7424	9.75	0.00	154960 (m)				



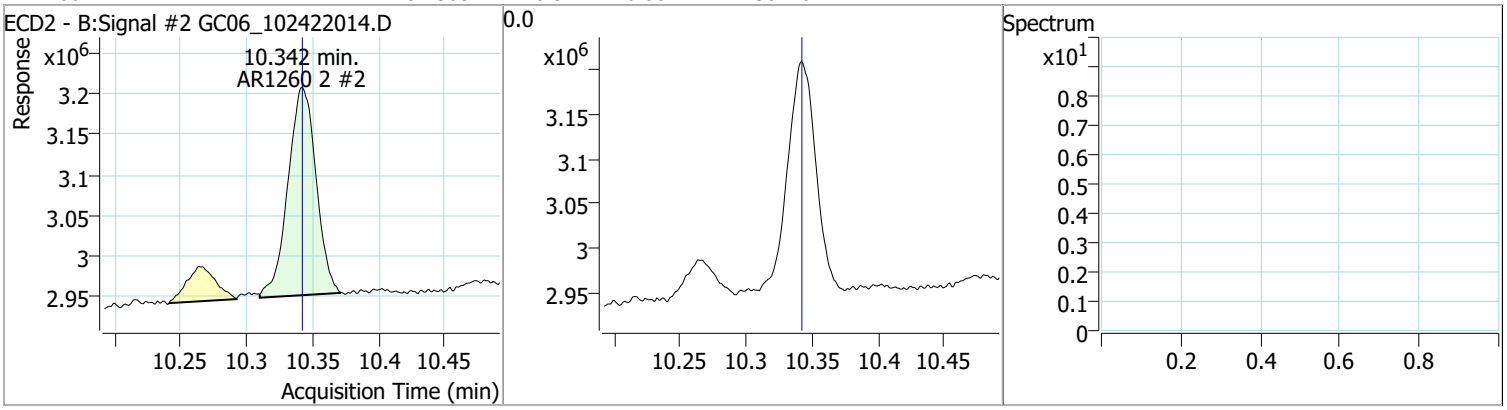
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AR1260 1 #2	24.8911	10.09	0.00	311262				



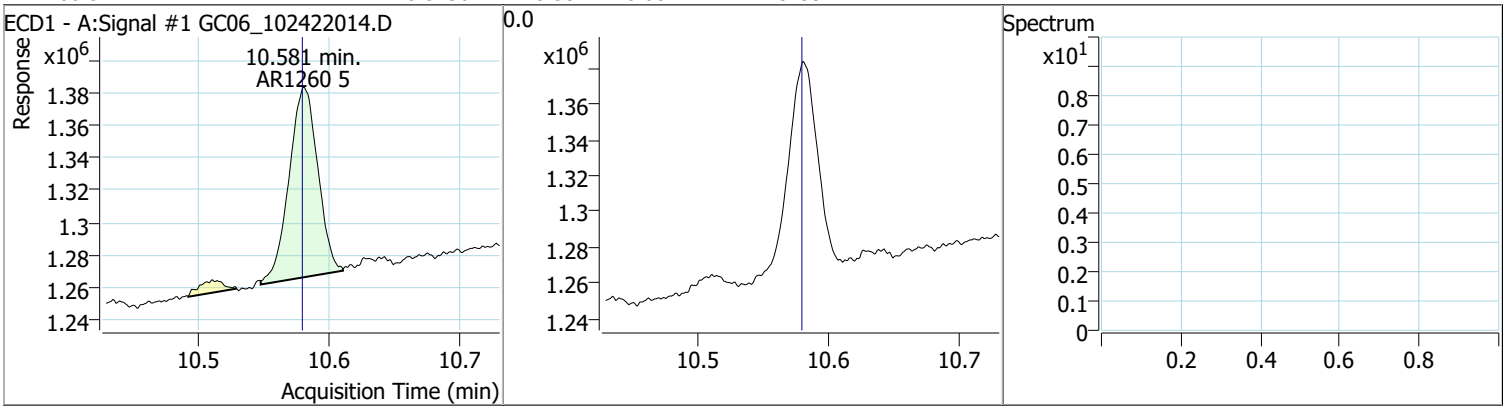
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	11.8240	10.22	0.00	80436				



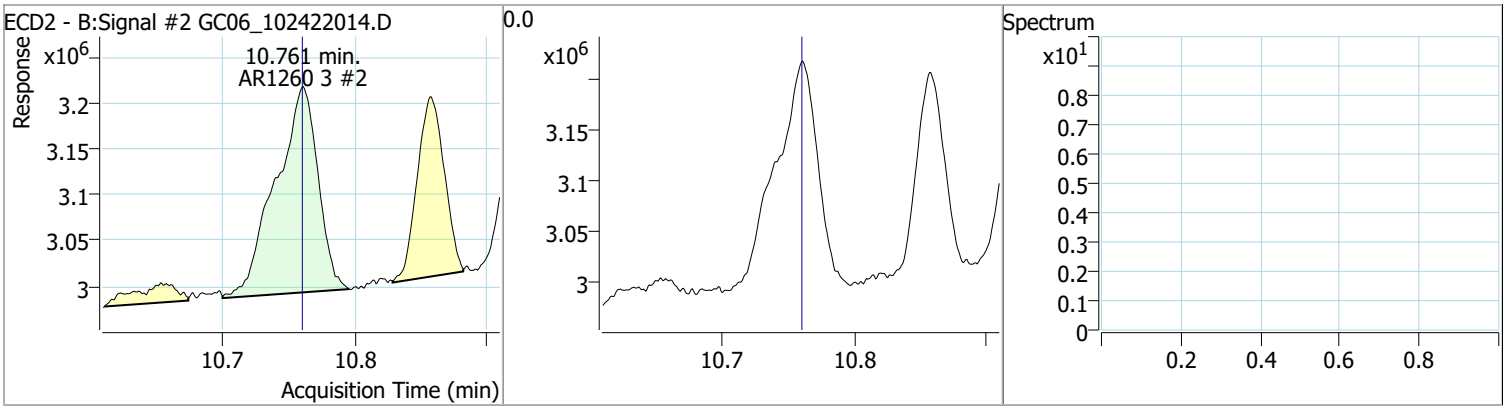
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	25.4368	10.34	0.00	382187				



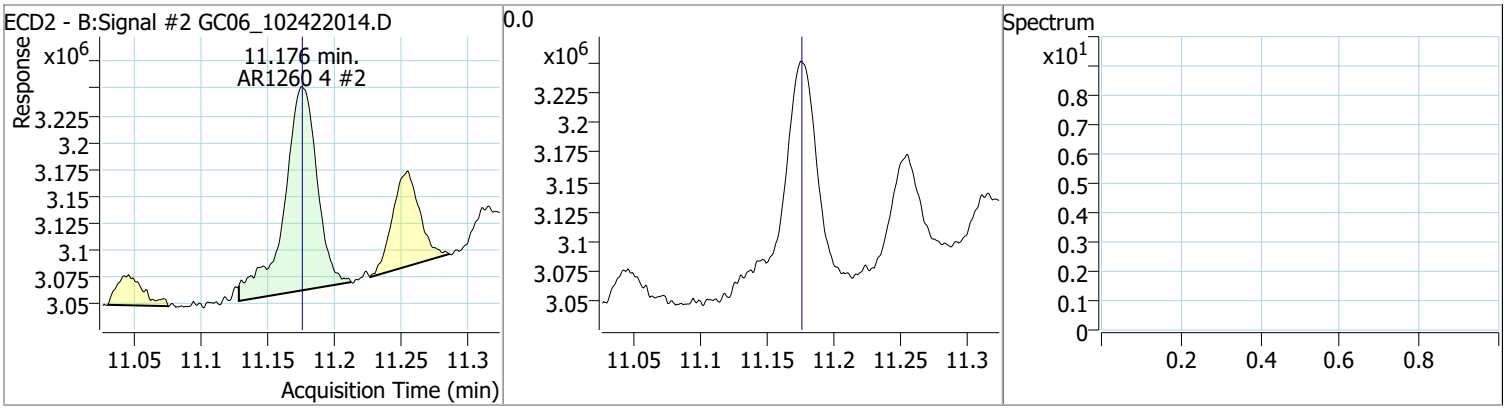
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	10.5736	10.58	0.00	178299				



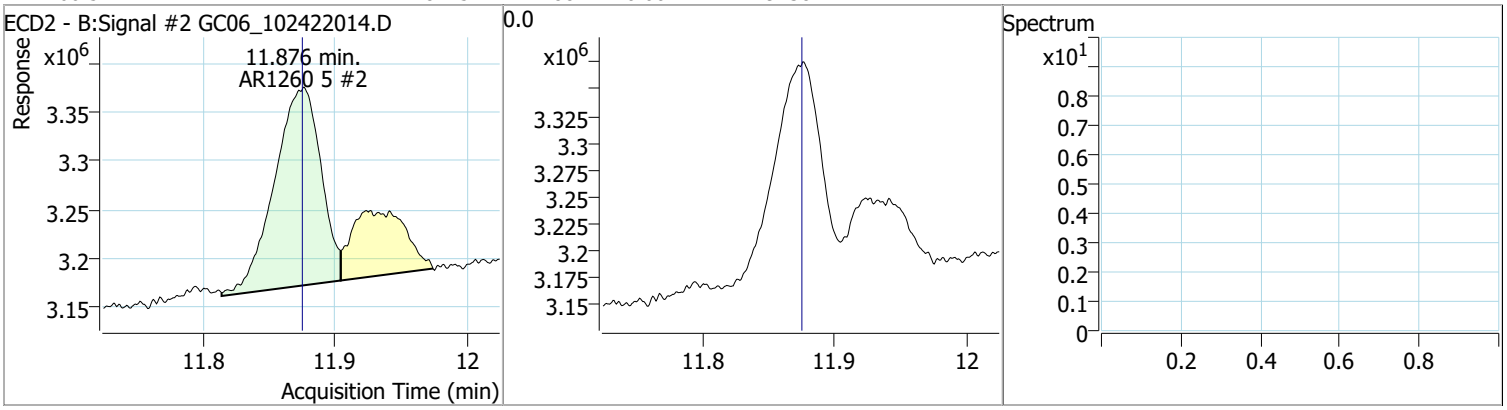
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	26.2151	10.76	0.00	498567				



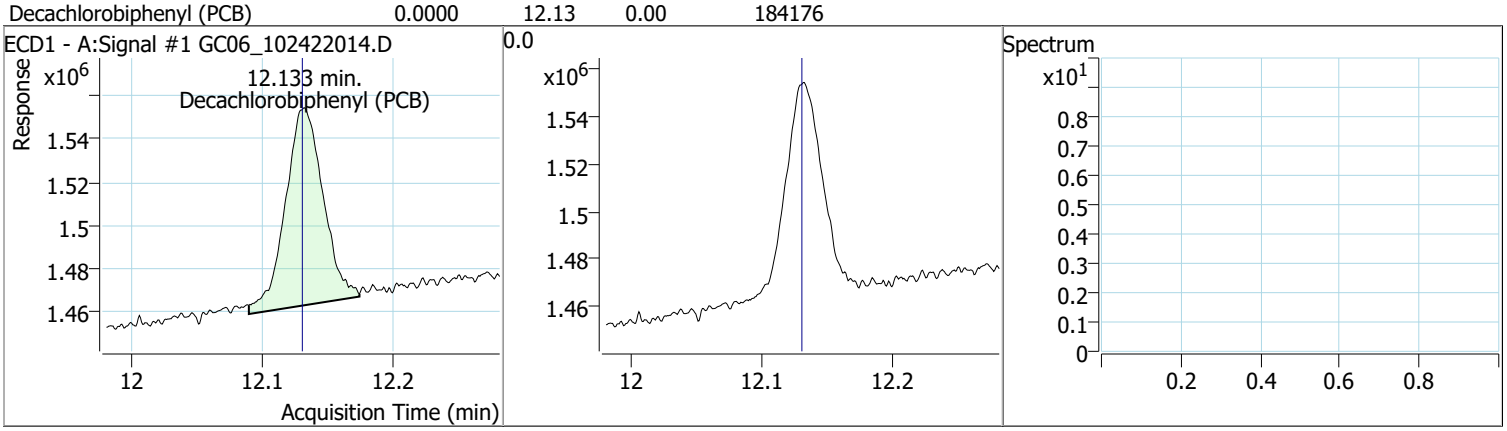
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	7.9351	11.18	0.00	329728				



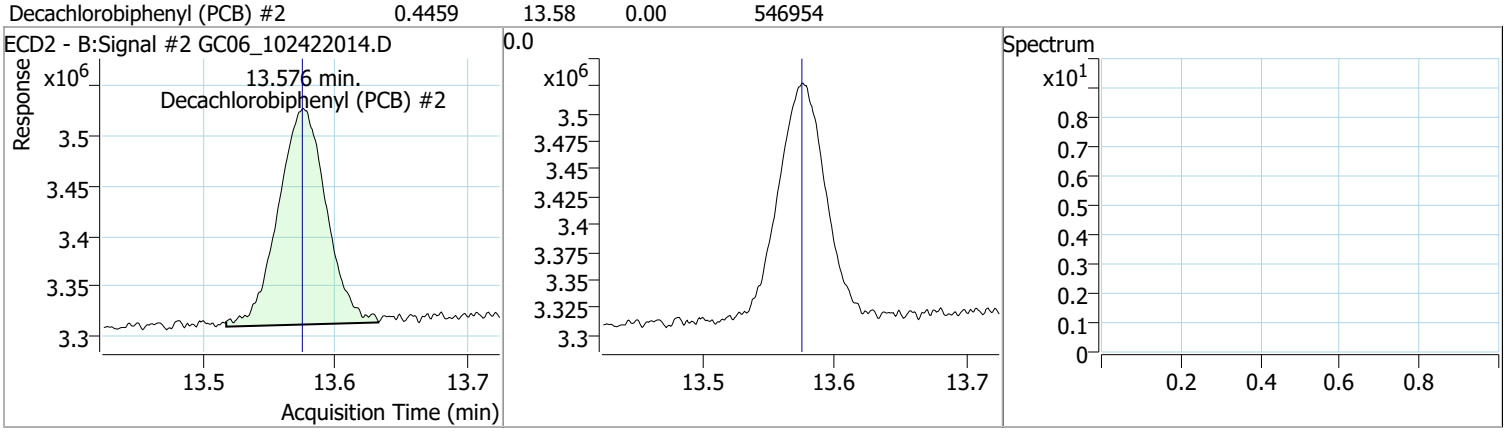
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.8115	11.88	0.00	497381				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.0000	12.13	0.00	184176				

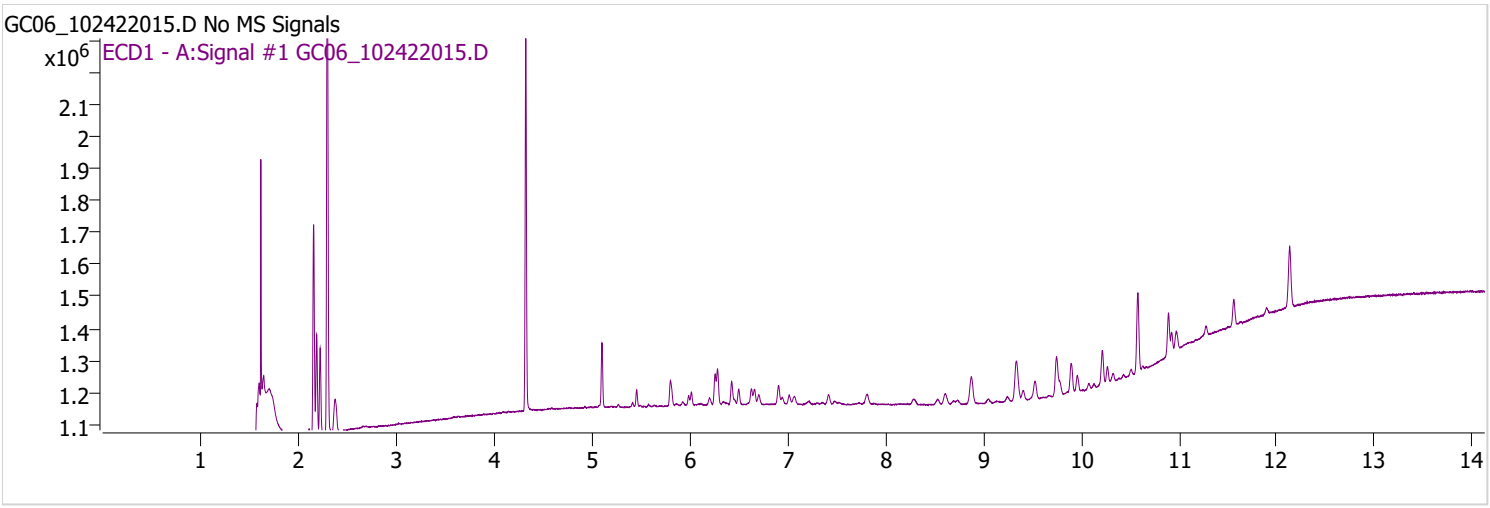


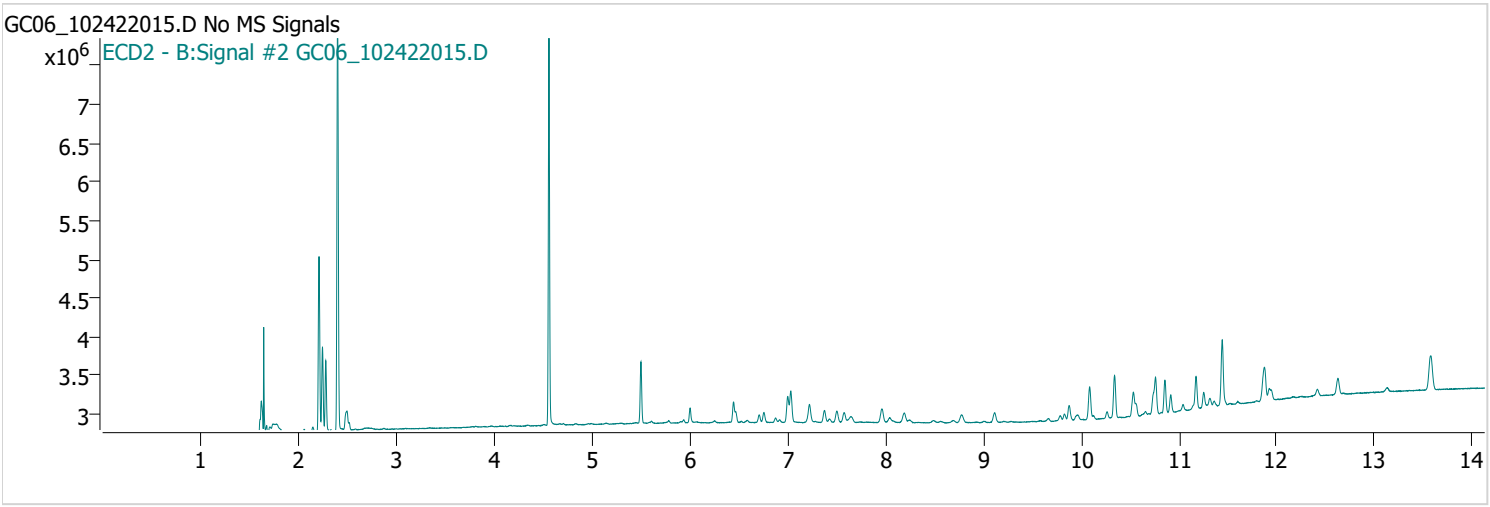
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.4459	13.58	0.00	546954				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422015.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 5:44:04 PM
Sample Name	ICAL, S17264	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



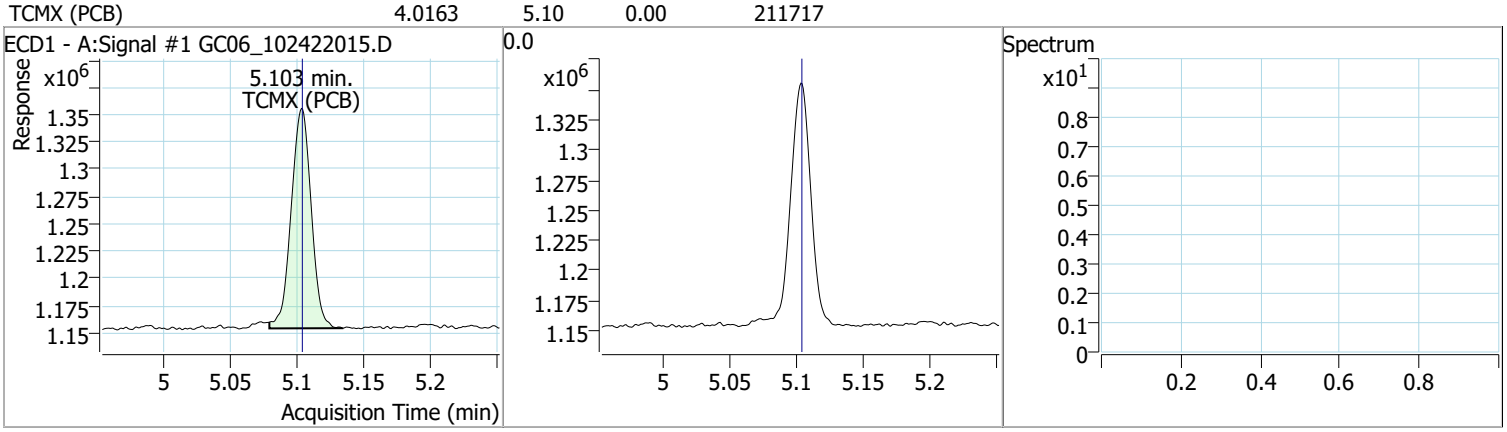


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1096423.491	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4414084.352	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	211717.395	4.0163	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.08%		*	
S TCMX (PCB) #2	5.502	0.0	880844.251	4.1552	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.78%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	366663.673	1.1956	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.98%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	1117873.667	2.8657	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 14.33%		*	
Target Compounds							QValue
T AR1016 1	5.458	0.0	62800.739	54.6321	ng/ml		100
T AR1016 2	5.803	0.0	135262.778	43.7895	ng/ml		100

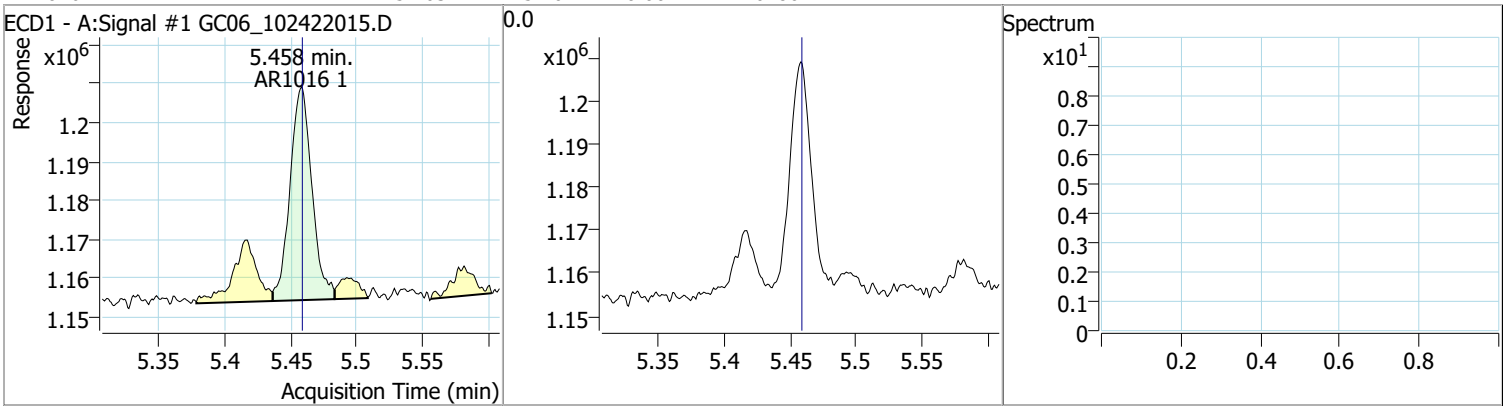
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1 #2	6.004	0.0	246736.718	53.7828	ng/ml		100
T AR1016 3	6.284	0.0	156745.895	53.7814	ng/ml		100
T AR1016 4	6.429	0.0	121378.176	54.7573	ng/ml	m	100
T AR1016 2 #2	6.448	0.0	361879.943	54.6441	ng/ml	m	100
T AR1016 5	6.907	0.0	97415.221	54.5615	ng/ml		100
T AR1016 3 #2	7.033	0.0	652565.398	54.2308	ng/ml		100
T AR1016 4 #2	7.223	0.0	469712.957	54.6779	ng/ml		100
T AR1016 5 #2	7.964	0.0	370461.655	53.0536	ng/ml		100
T AR1260 1	8.878	0.0	198864.945	53.6454	ng/ml		100
T AR1260 2	9.339	0.0	301488.499	53.3592	ng/ml		100
T AR1260 3	9.749	0.0	298525.793	50.5491	ng/ml		100
T AR1260 1 #2	10.088	0.0	703926.868	53.5865	ng/ml		100
T AR1260 4	10.215	0.0	180050.819	42.2826	ng/ml		100
T AR1260 2 #2	10.342	0.0	881097.856	55.8239	ng/ml		100
T AR1260 5	10.580	0.0	395492.284	42.0555	ng/ml		100
T AR1260 3 #2	10.760	0.0	1078261.882	53.9712	ng/ml		100
T AR1260 4 #2	11.174	0.0	694396.452	39.6741	ng/ml		100
T AR1260 5 #2	11.873	0.0	1020309.367	42.7953	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

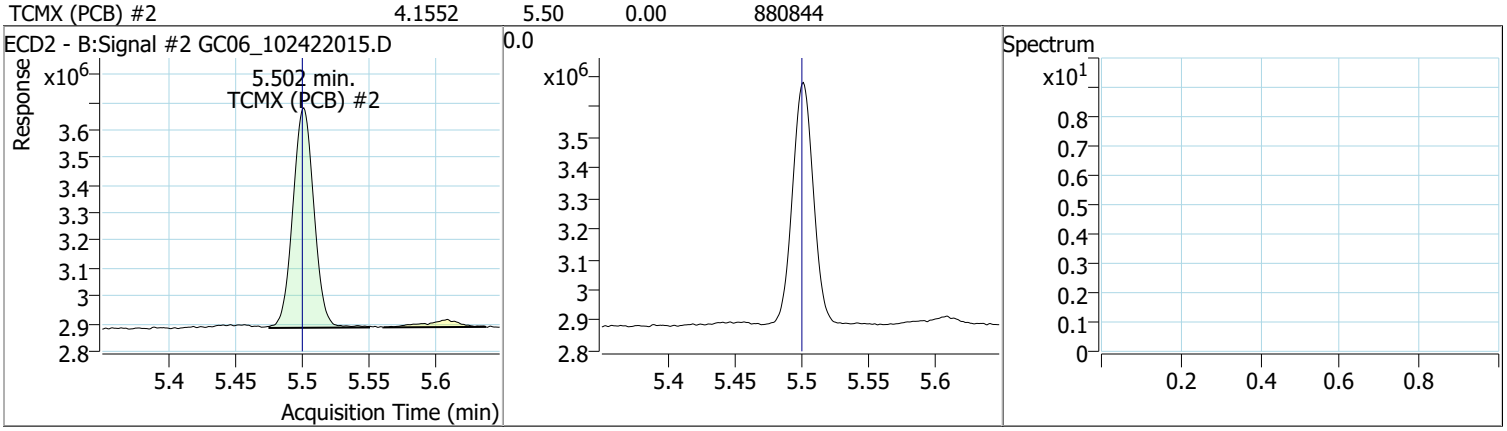
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.0163	5.10	0.00	211717				



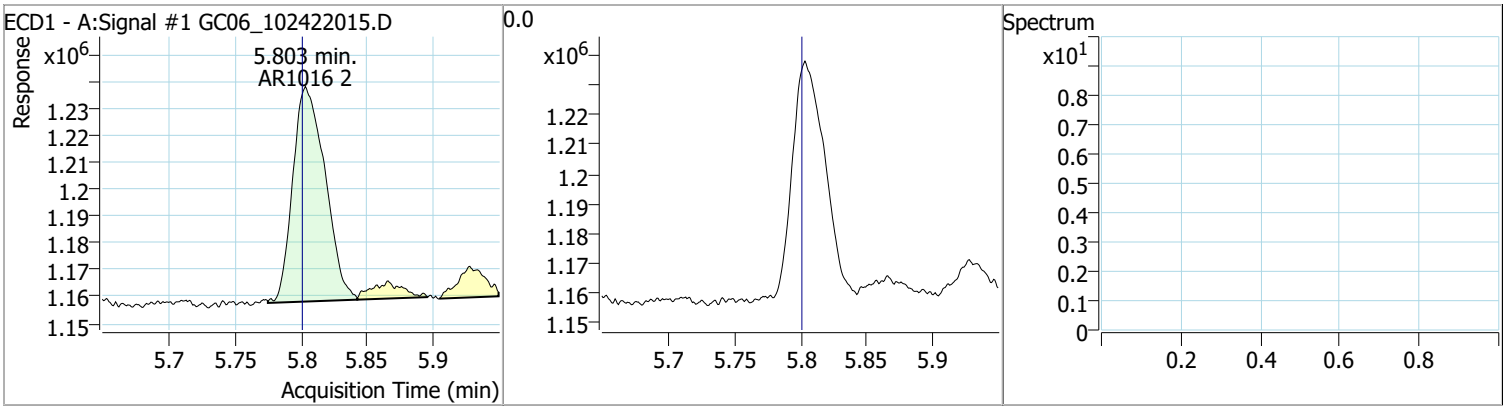
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	54.6321	5.46	0.00	62801				



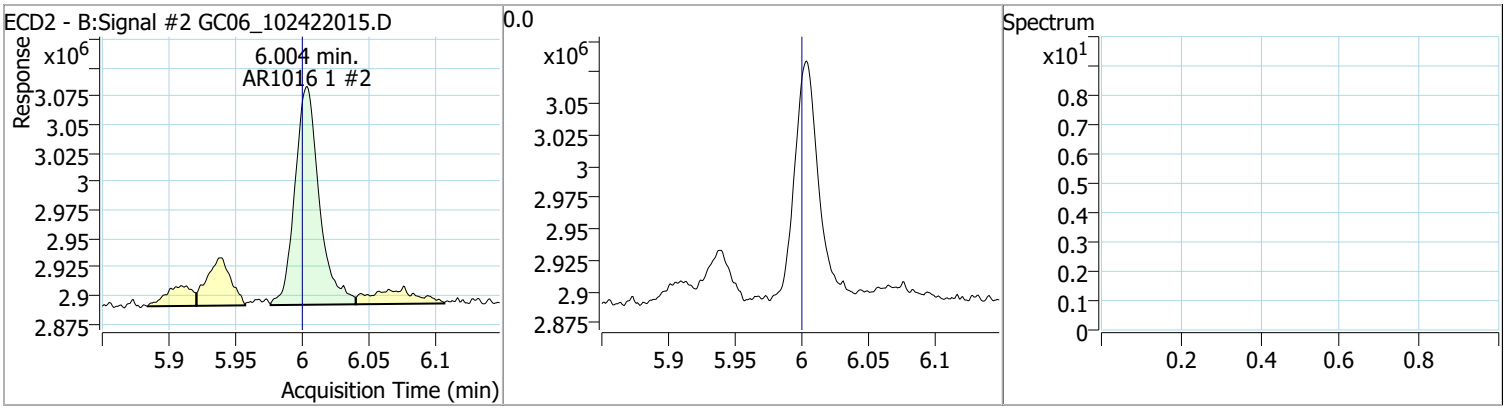
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.1552	5.50	0.00	880844				



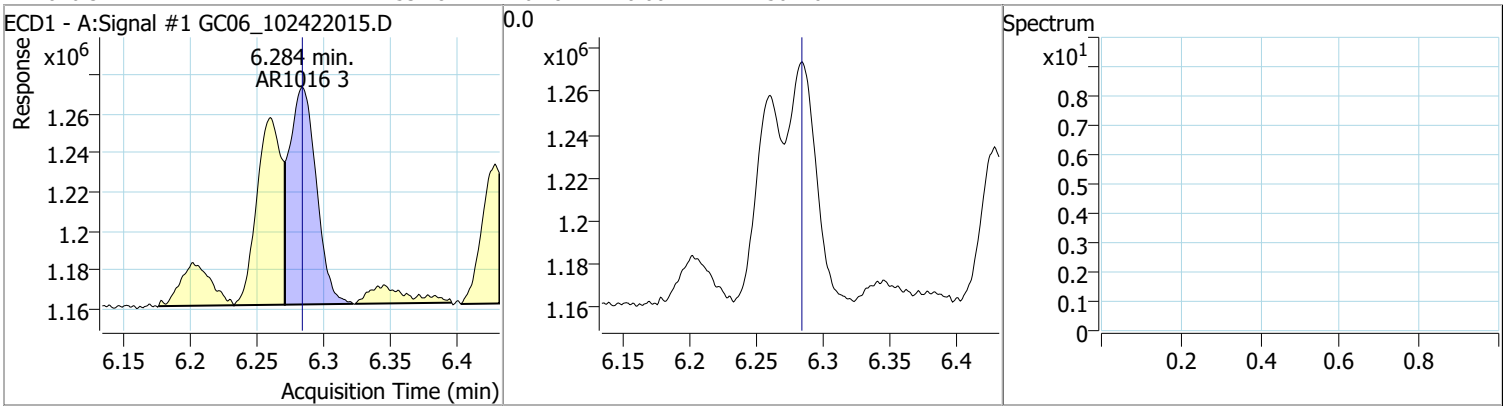
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	43.7895	5.80	0.00	135263				



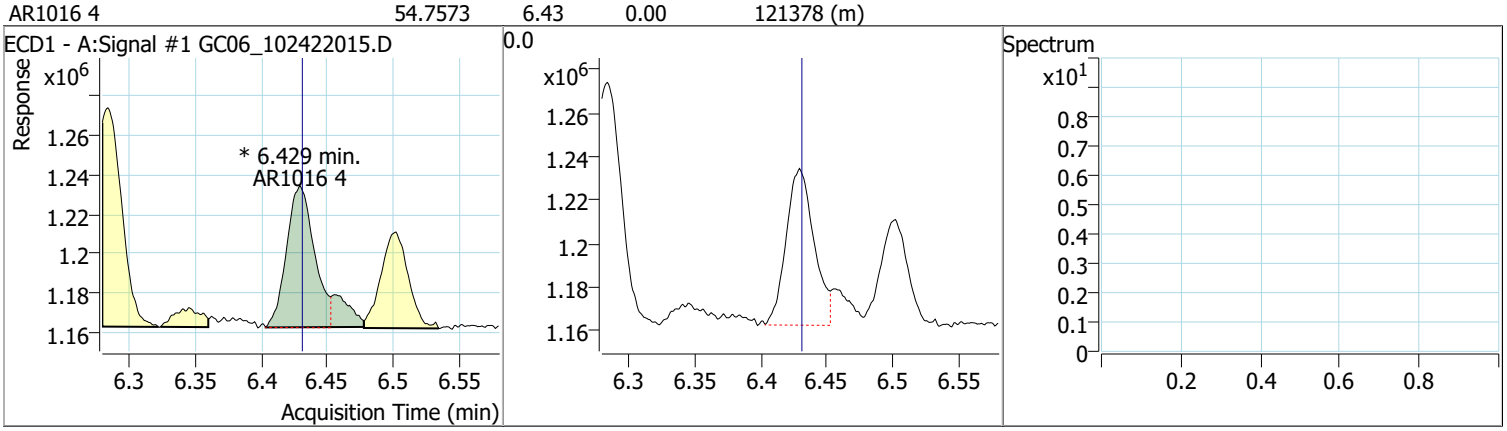
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	53.7828	6.00	0.00	246737				



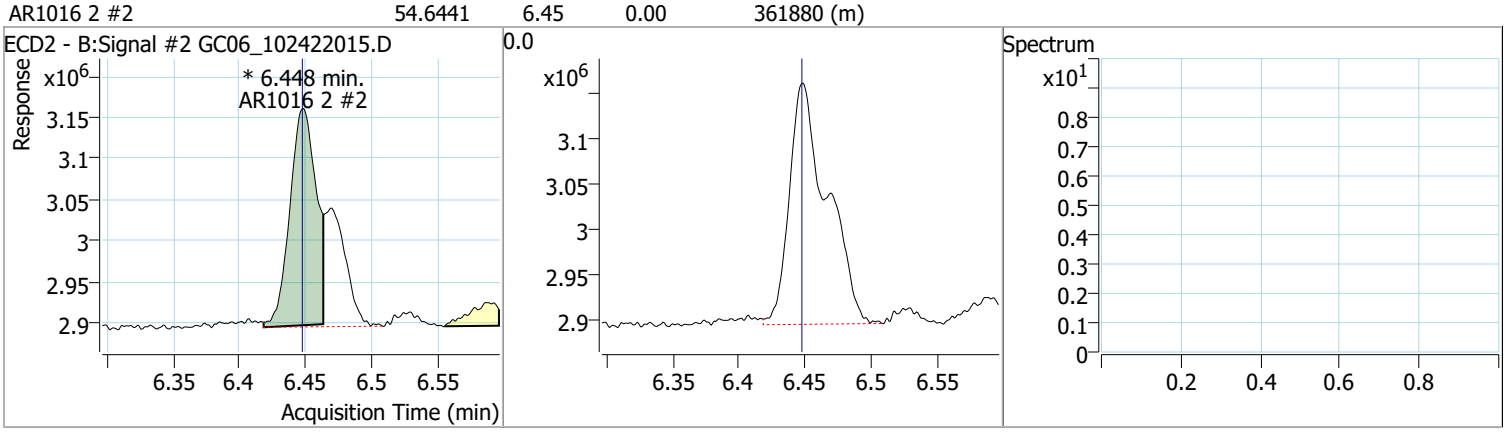
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	53.7814	6.28	0.00	156746				



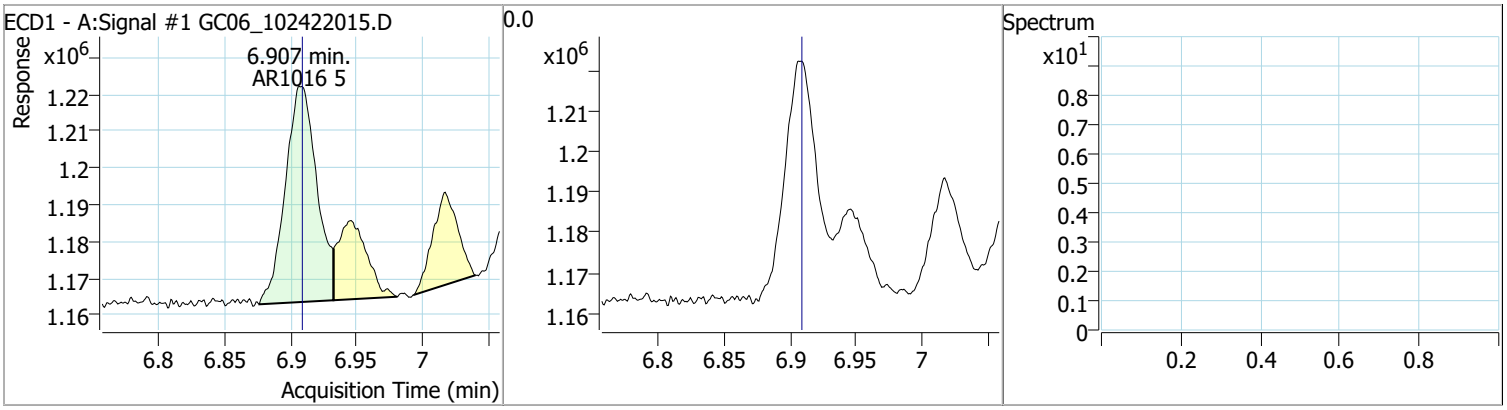
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	54.7573	6.43	0.00	121378 (m)				



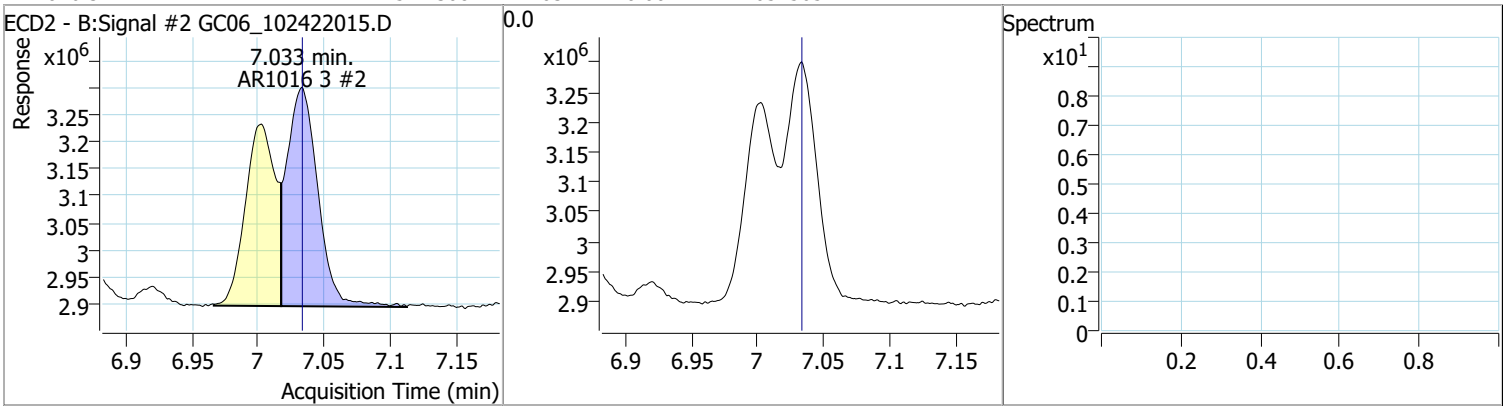
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	54.6441	6.45	0.00	361880 (m)				



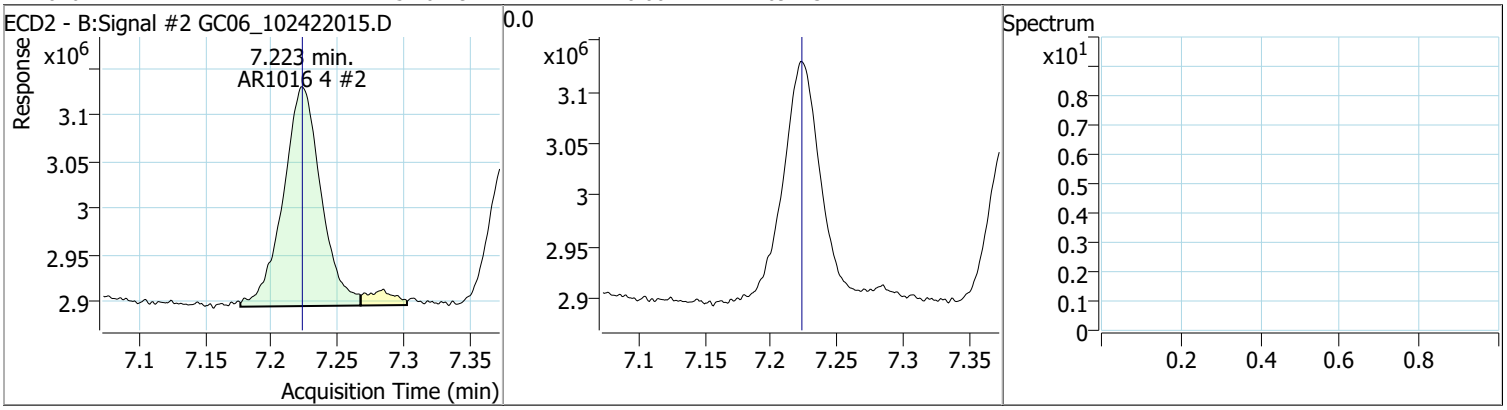
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	54.5615	6.91	0.00	97415				



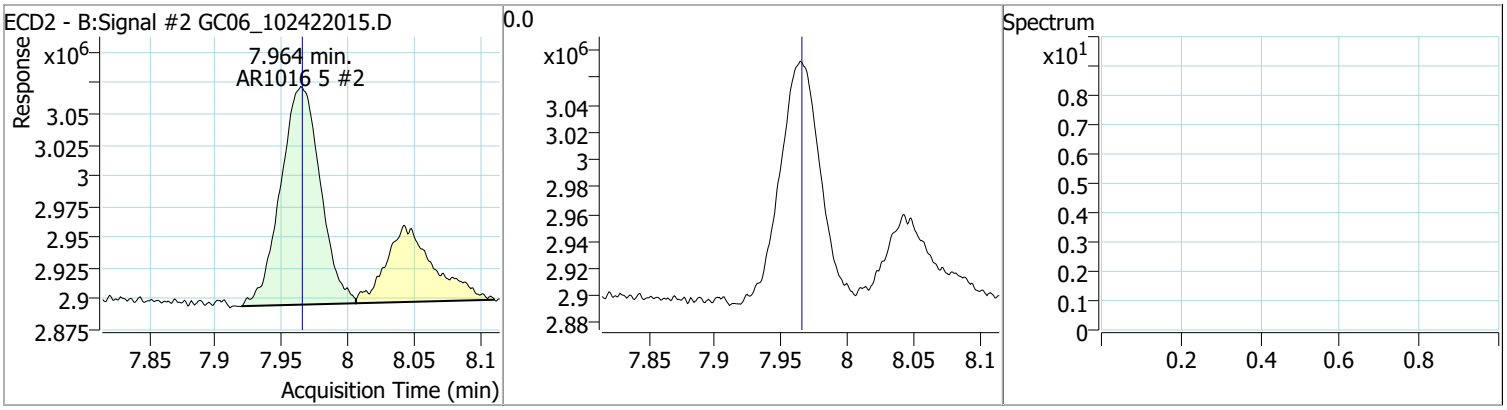
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	54.2308	7.03	0.00	652565				



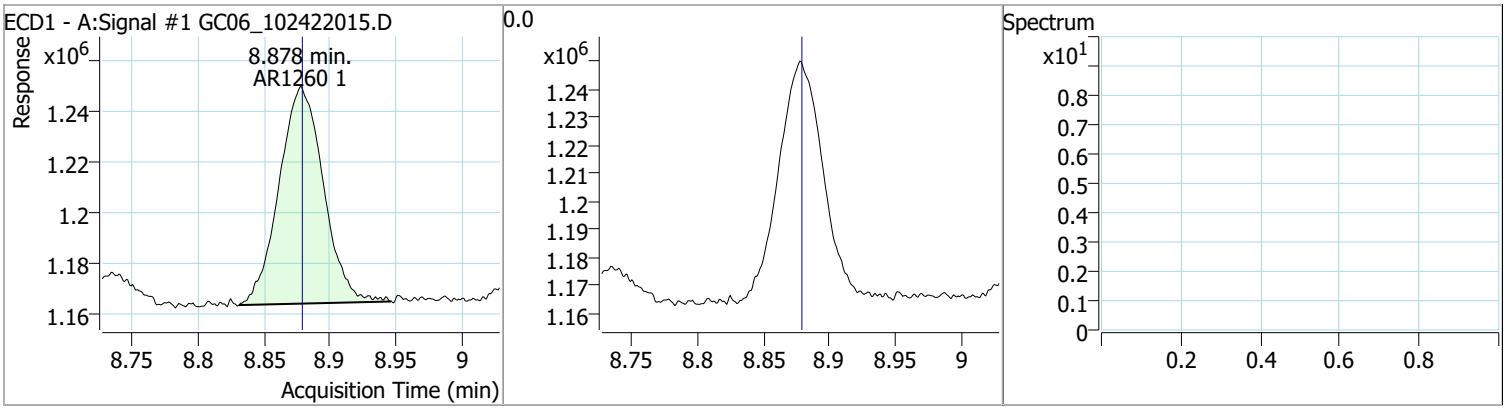
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	54.6779	7.22	0.00	469713				



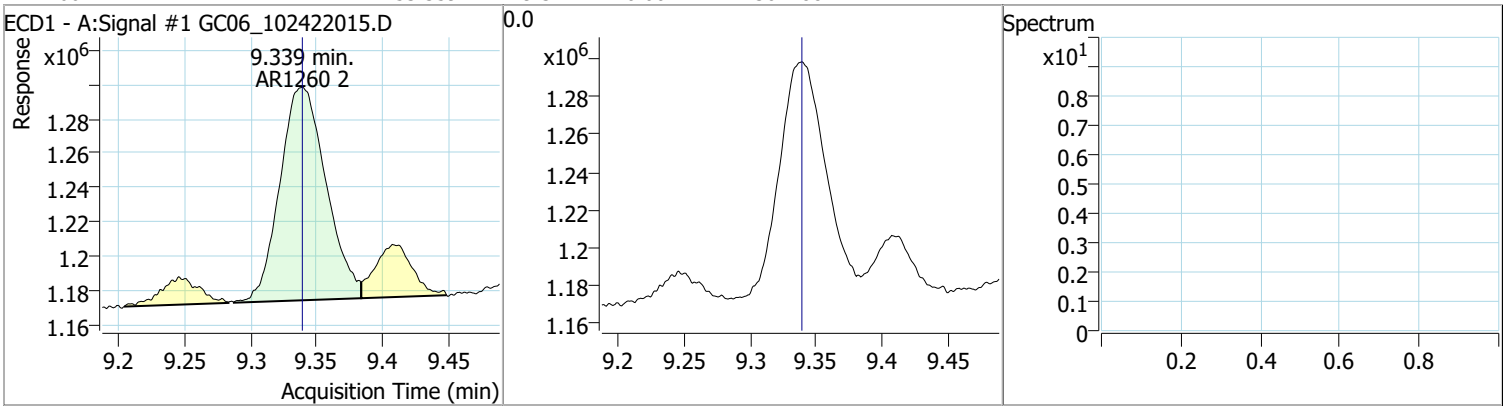
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AR1016 5 #2	53.0536	7.96	0.00	370462				



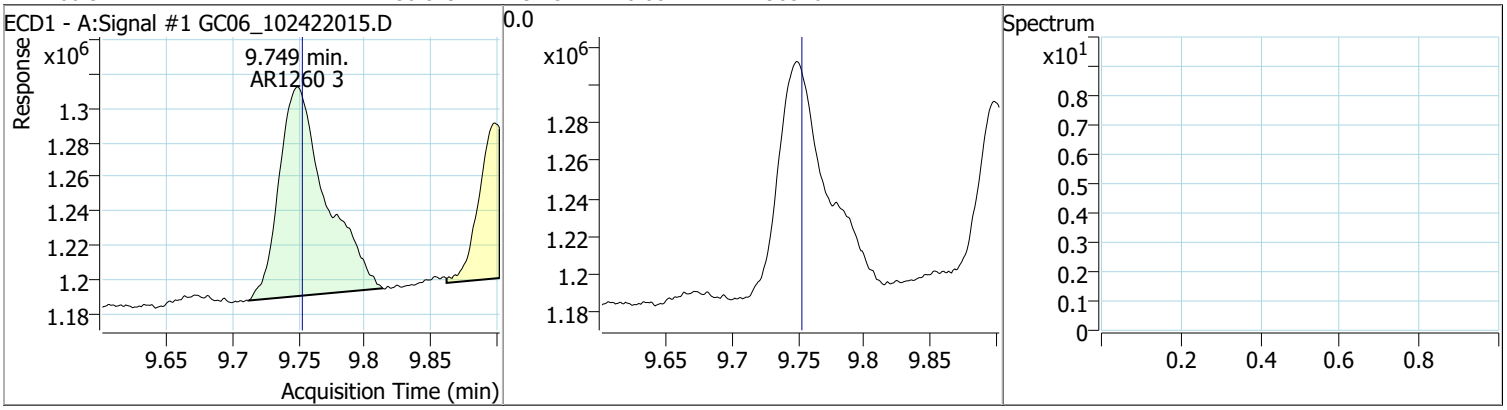
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	53.6454	8.88	0.00	198865				



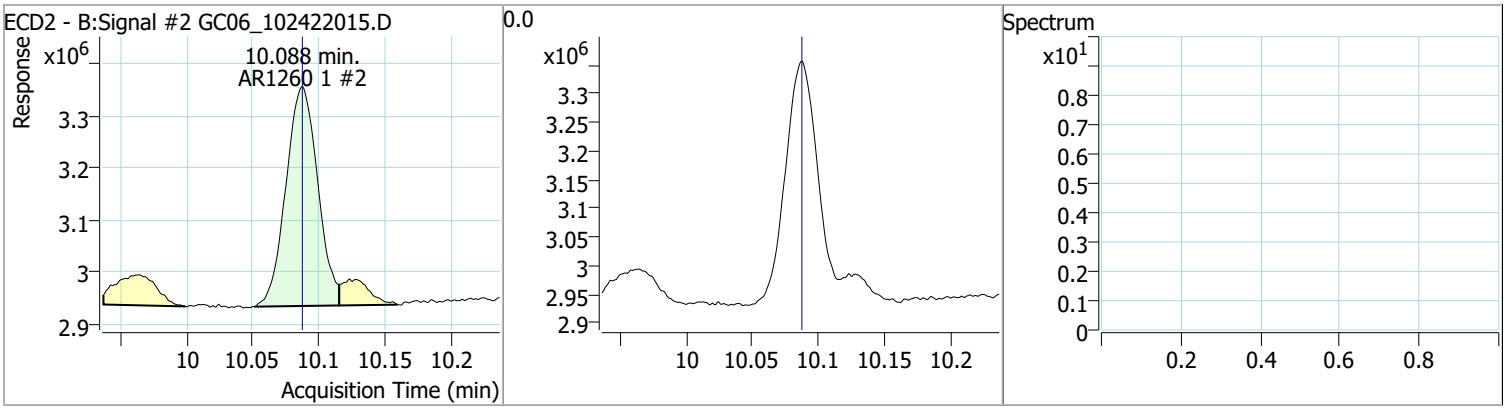
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	53.3592	9.34	0.00	301488				



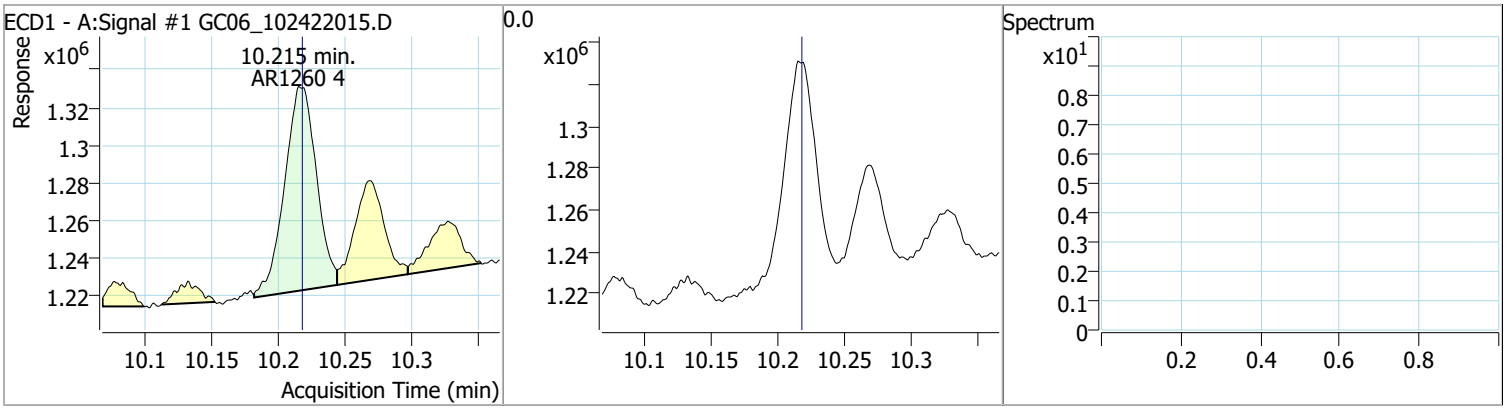
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	50.5491	9.75	0.00	298526				



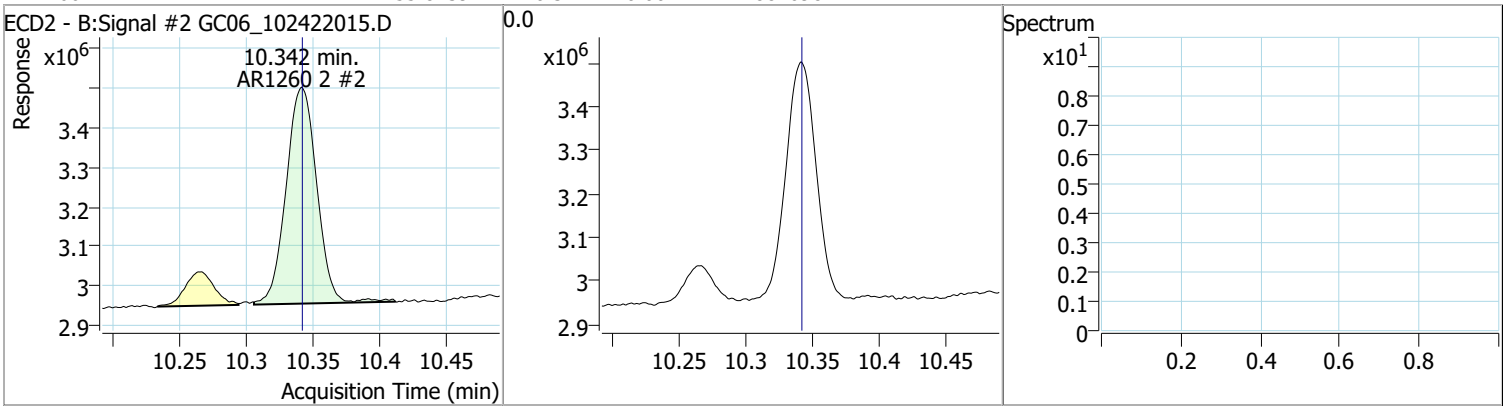
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	53.5865	10.09	0.00	703927				



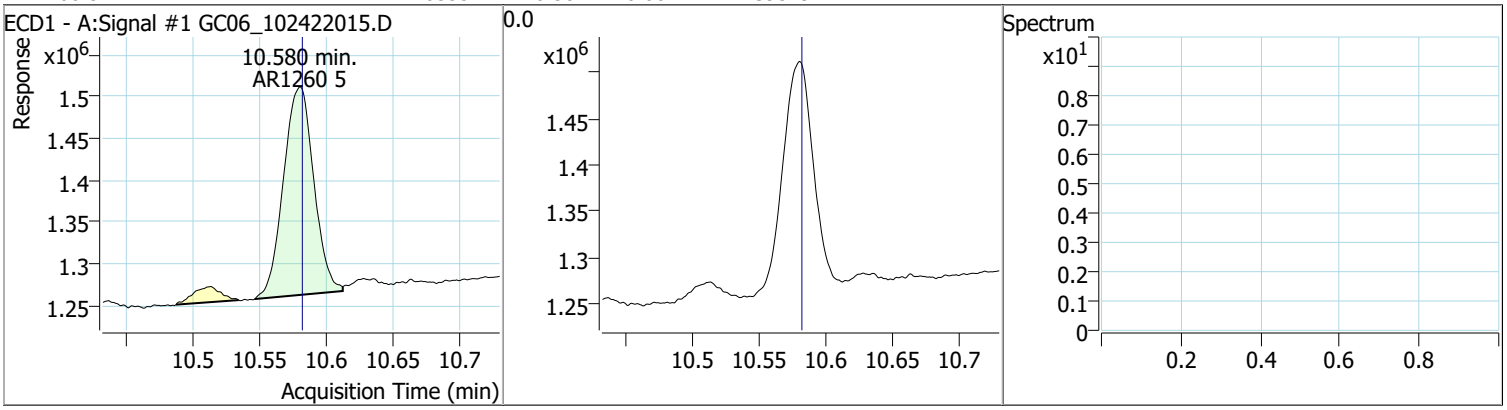
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	42.2826	10.22	0.00	180051				



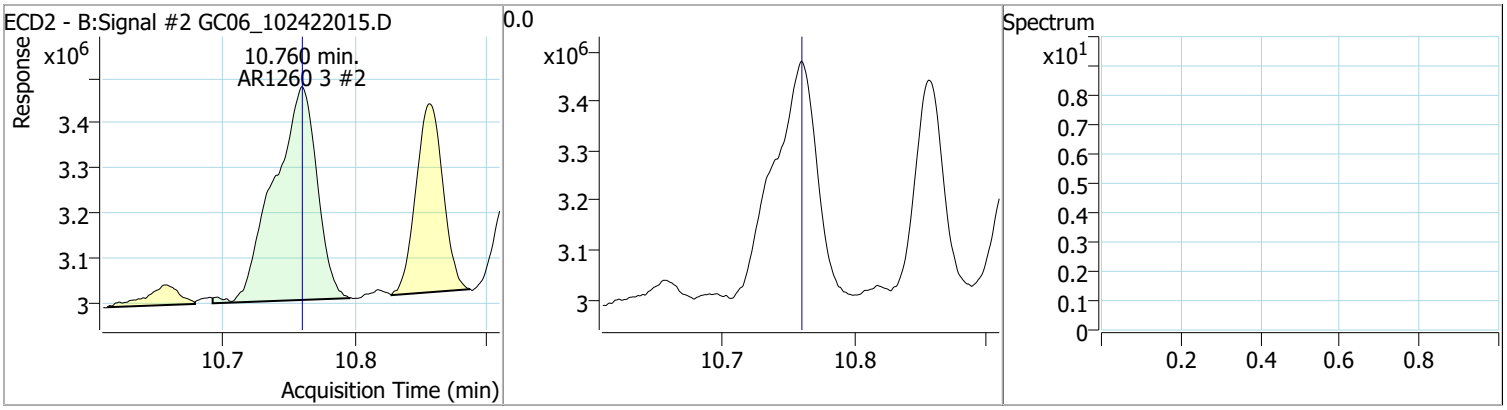
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	55.8239	10.34	0.00	881098				



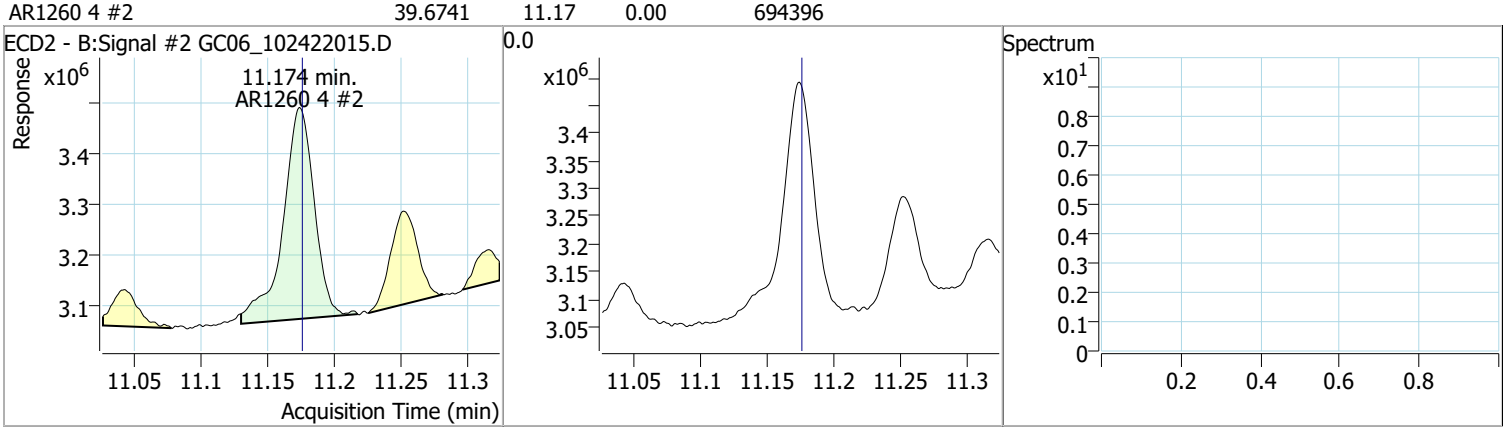
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	42.0555	10.58	0.00	395492				



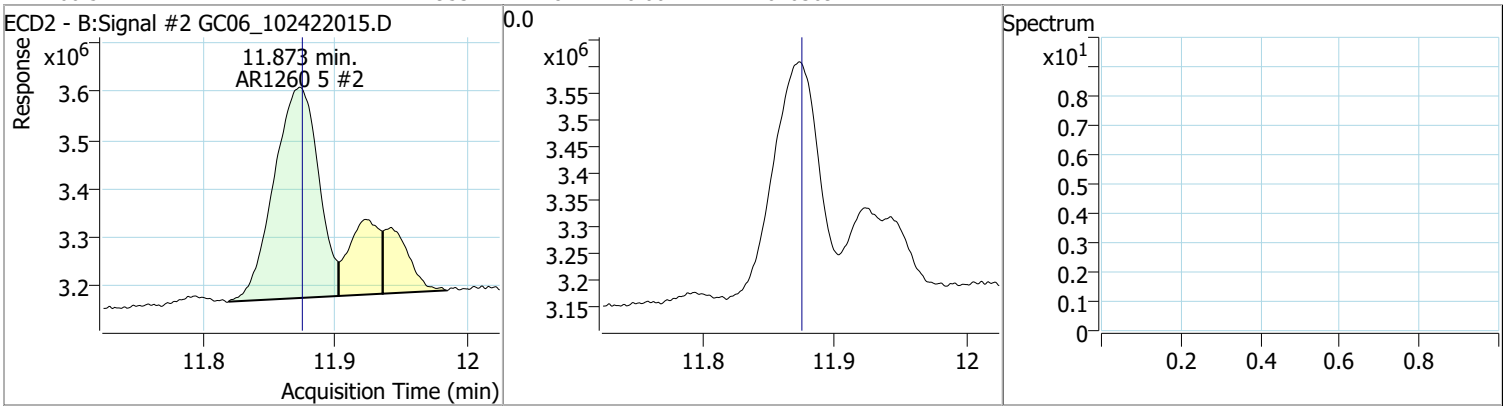
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	53.9712	10.76	0.00	1078262				



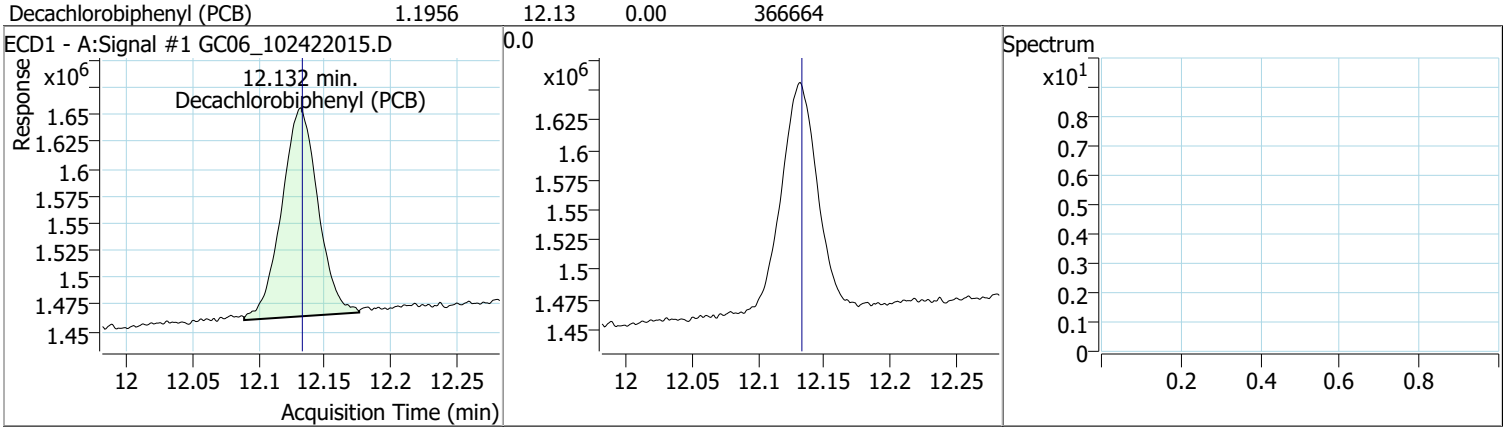
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	39.6741	11.17	0.00	694396				



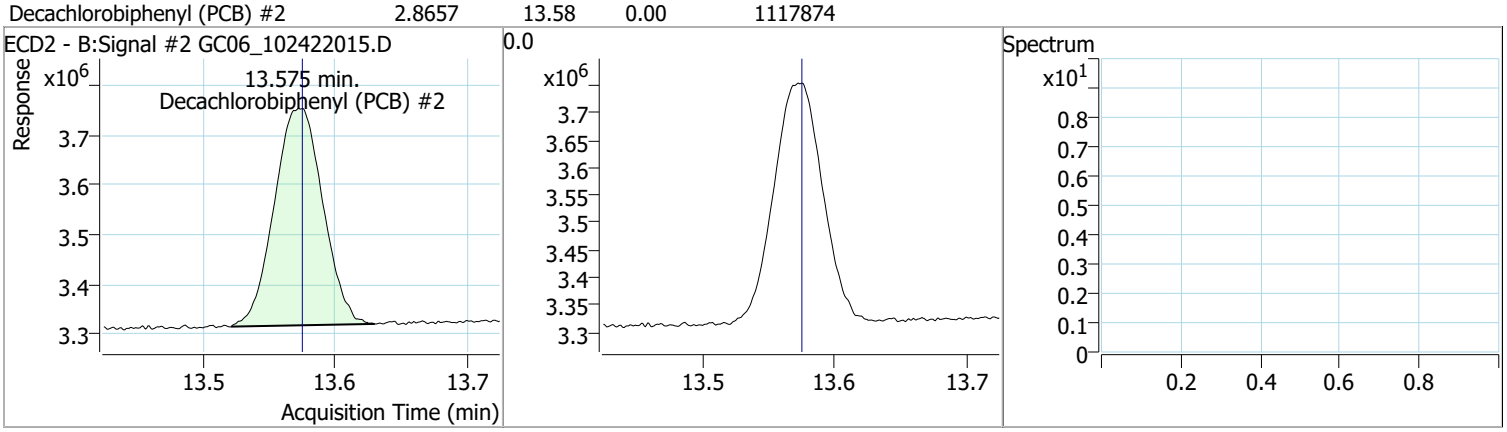
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	42.7953	11.87	0.00	1020309				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.1956	12.13	0.00	366664				

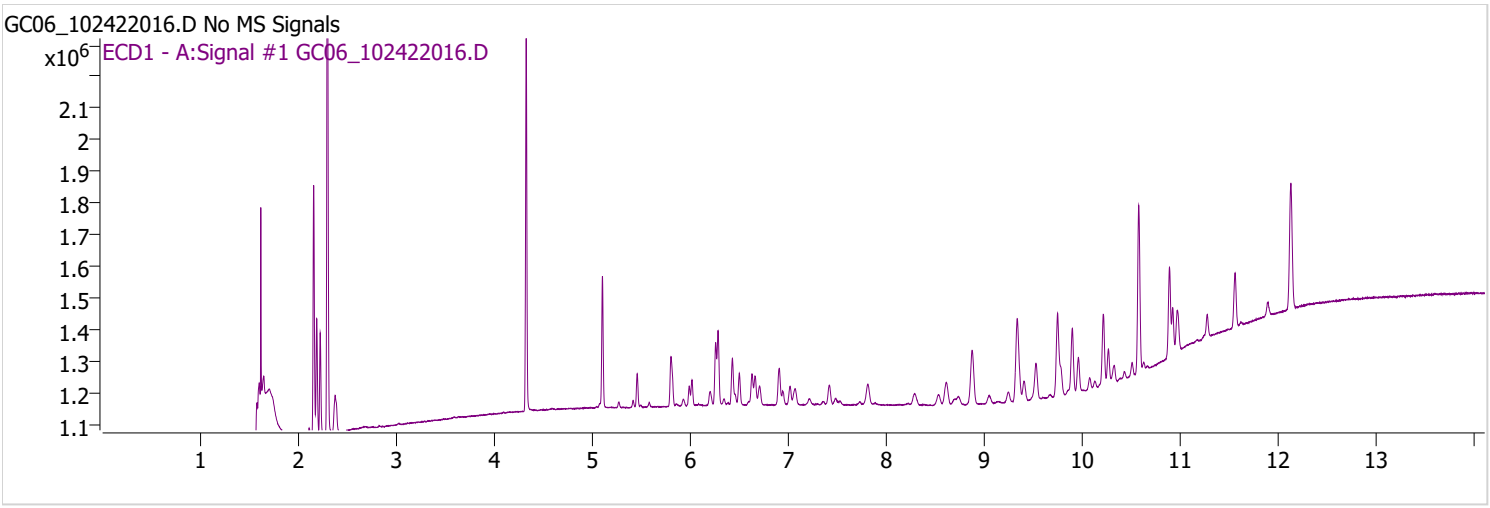


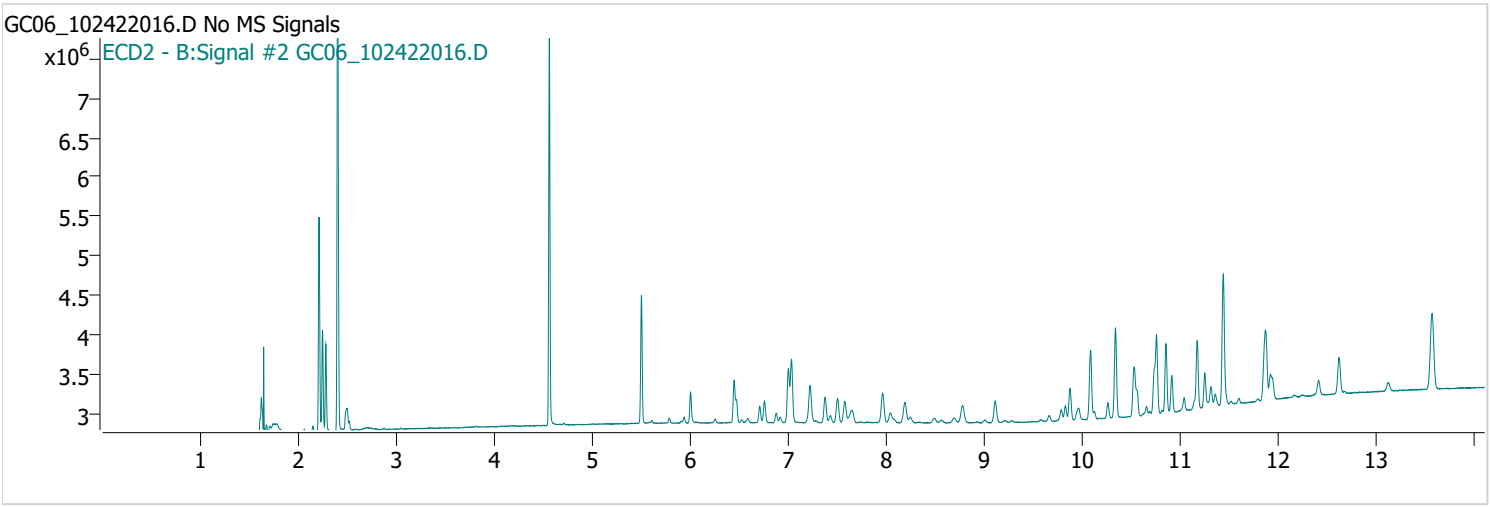
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	2.8657	13.58	0.00	1117874				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422016.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:02:02 PM
Sample Name	ICAL, S17265	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



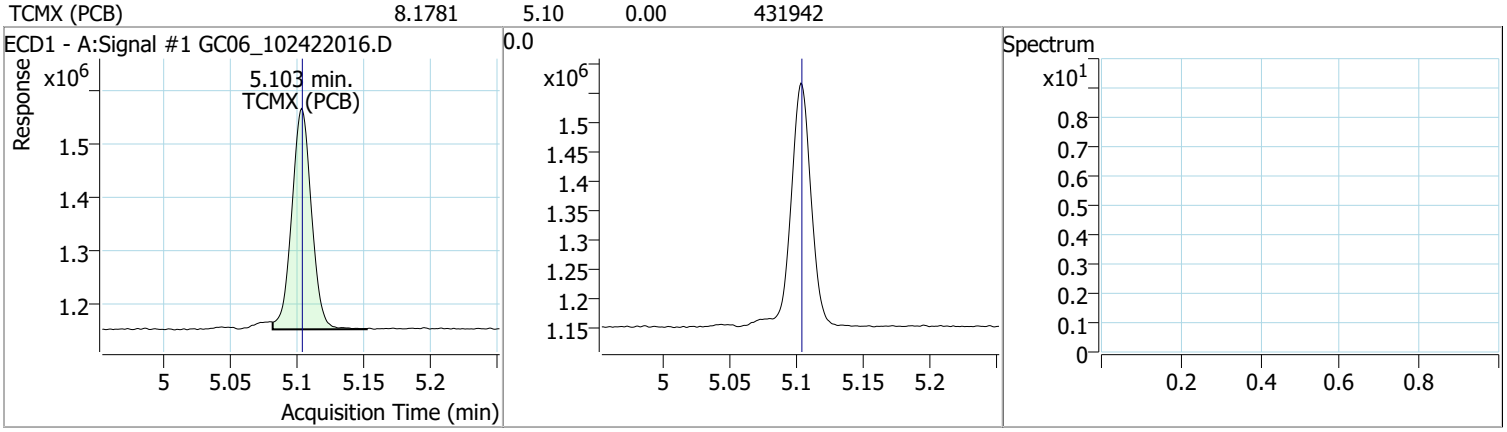


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1098556.587	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4473955.688	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	431941.849	8.1781	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.89%		*	
S TCMX (PCB) #2	5.502	0.0	1756841.947	8.1767	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.88%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	769715.326	7.2383	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 36.19%		*	
S Decachlorobiphenyl (PCB) #2	13.576	0.0	2414988.806	8.4992	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 42.50%		*	
Target Compounds							**QValue**
T AR1016 1	5.458	0.0	126029.603	109.4237	ng/ml		100

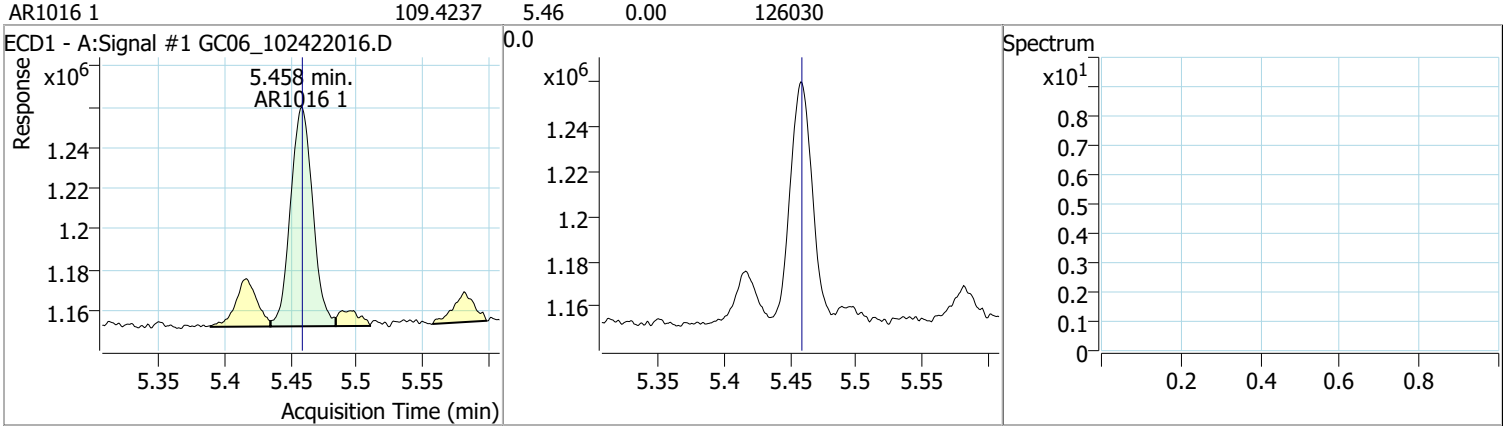
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.803	0.0	273792.604	104.1655	ng/ml		100
T AR1016 1 #2	6.003	0.0	494438.051	106.3335	ng/ml		100
T AR1016 3	6.284	0.0	317105.085	108.5912	ng/ml		100
T AR1016 4	6.431	0.0	243468.264	109.6225	ng/ml		100
T AR1016 2 #2	6.448	0.0	752749.371	112.1446	ng/ml	m	100
T AR1016 5	6.909	0.0	194872.097	108.9344	ng/ml		100
T AR1016 3 #2	7.033	0.0	1331099.472	109.1394	ng/ml		100
T AR1016 4 #2	7.223	0.0	949564.555	109.0568	ng/ml		100
T AR1016 5 #2	7.964	0.0	771943.524	109.0702	ng/ml		100
T AR1260 1	8.878	0.0	390861.384	105.2331	ng/ml		100
T AR1260 2	9.338	0.0	614413.614	108.5313	ng/ml		100
T AR1260 3	9.751	0.0	626423.788	105.8658	ng/ml		100
T AR1260 1 #2	10.088	0.0	1506423.617	113.1421	ng/ml		100
T AR1260 4	10.218	0.0	373415.612	104.0416	ng/ml		100
T AR1260 2 #2	10.342	0.0	1768113.790	110.5237	ng/ml		100
T AR1260 5	10.579	0.0	836749.386	108.9242	ng/ml		100
T AR1260 3 #2	10.761	0.0	2204619.622	108.8731	ng/ml		100
T AR1260 4 #2	11.176	0.0	1447196.030	106.5619	ng/ml		100
T AR1260 5 #2	11.873	0.0	2132038.907	108.0368	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

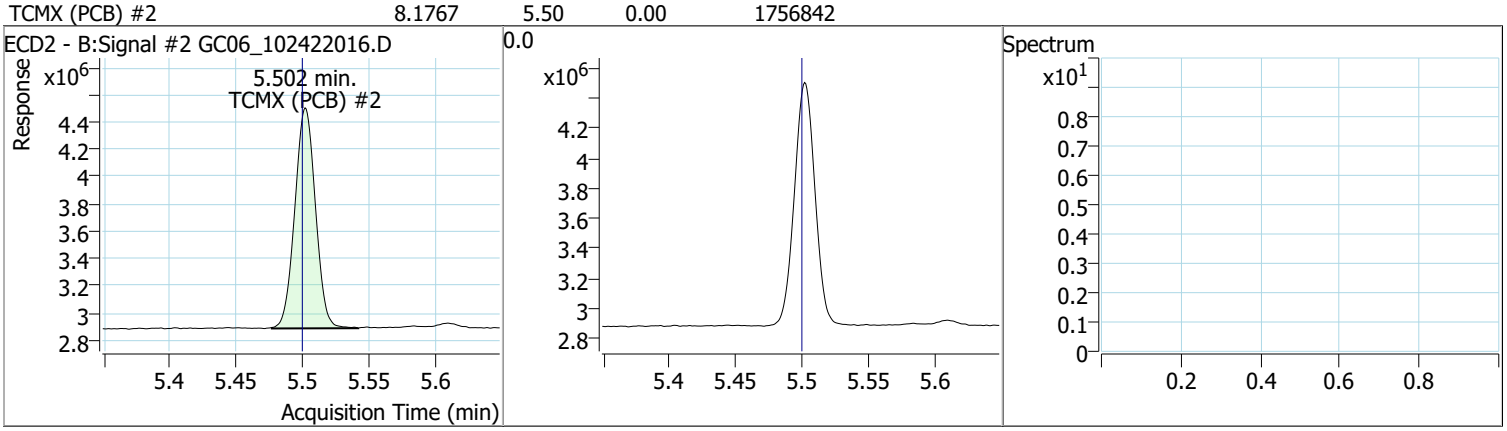
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	8.1781	5.10	0.00	431942				



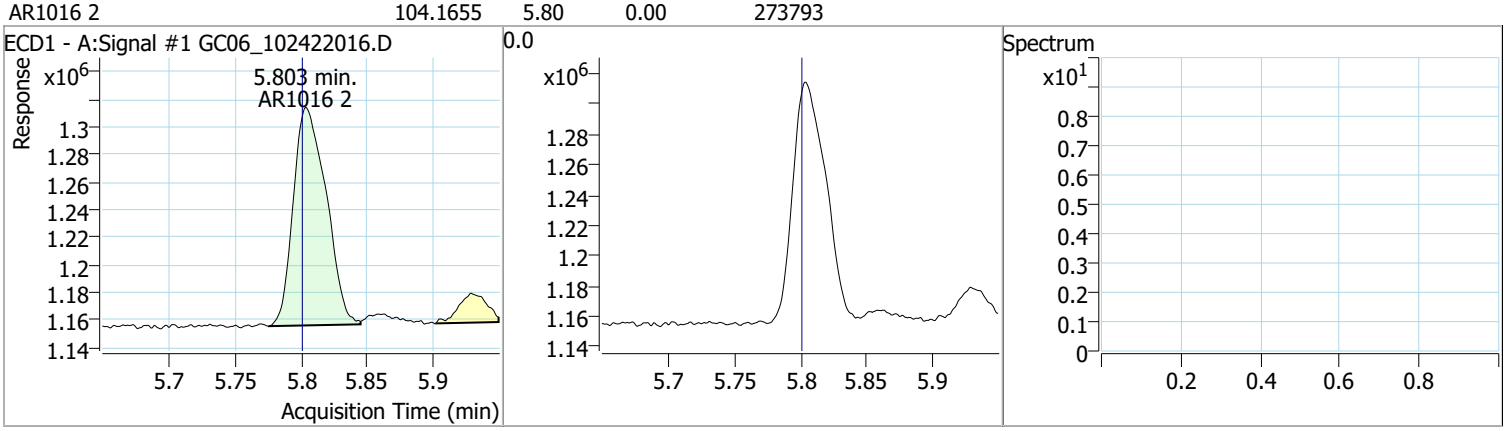
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	109.4237	5.46	0.00	126030				



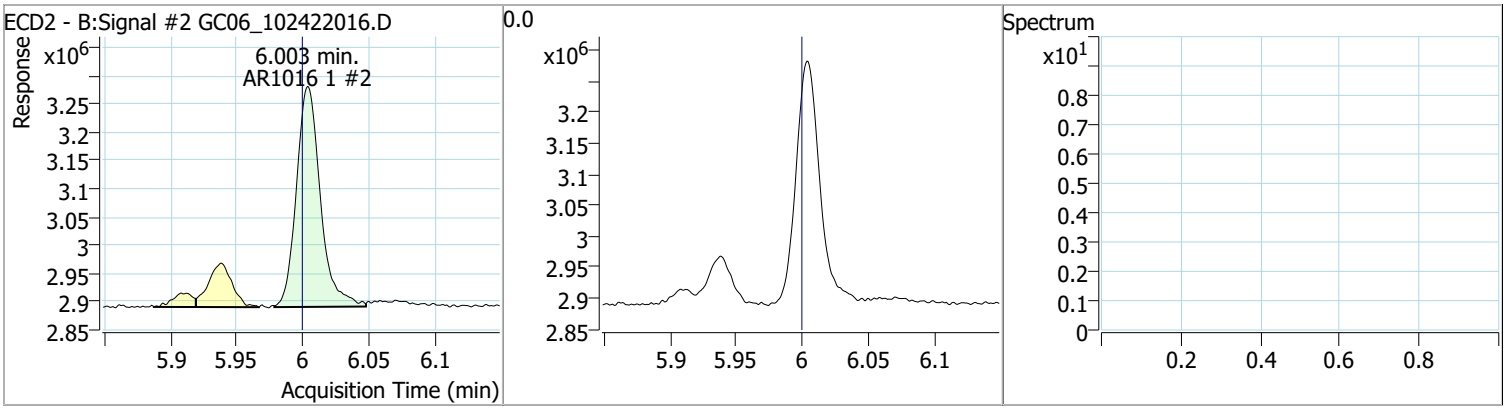
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.1767	5.50	0.00	1756842				



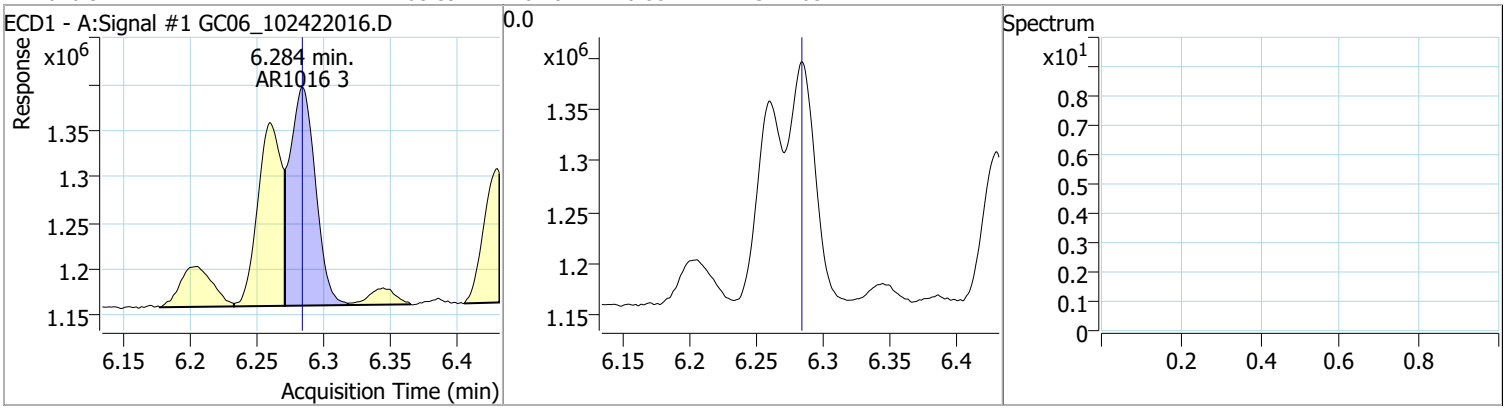
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	104.1655	5.80	0.00	273793				



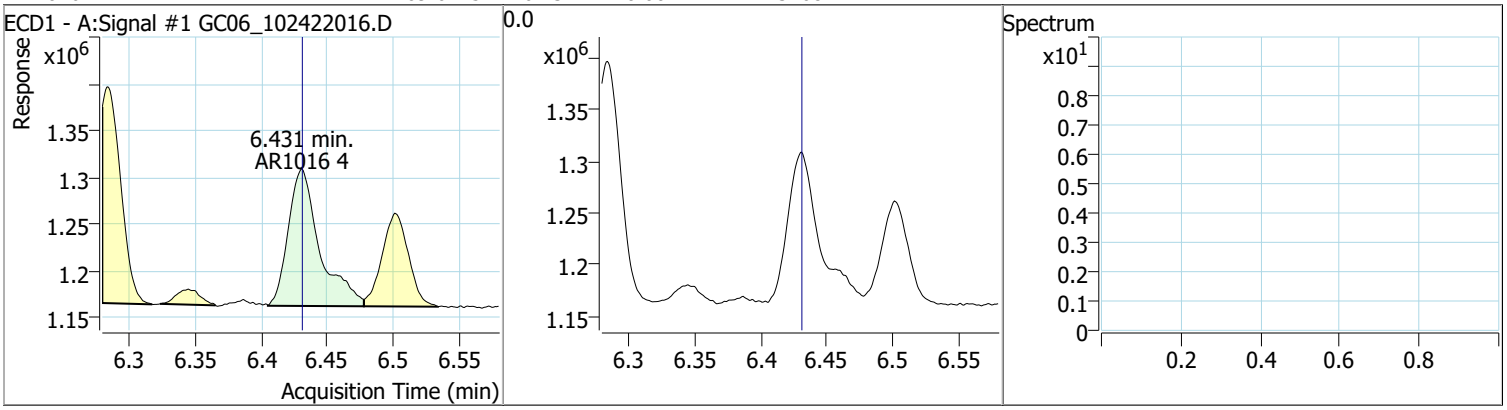
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AR1016 1 #2	106.3335	6.00	0.00	494438				



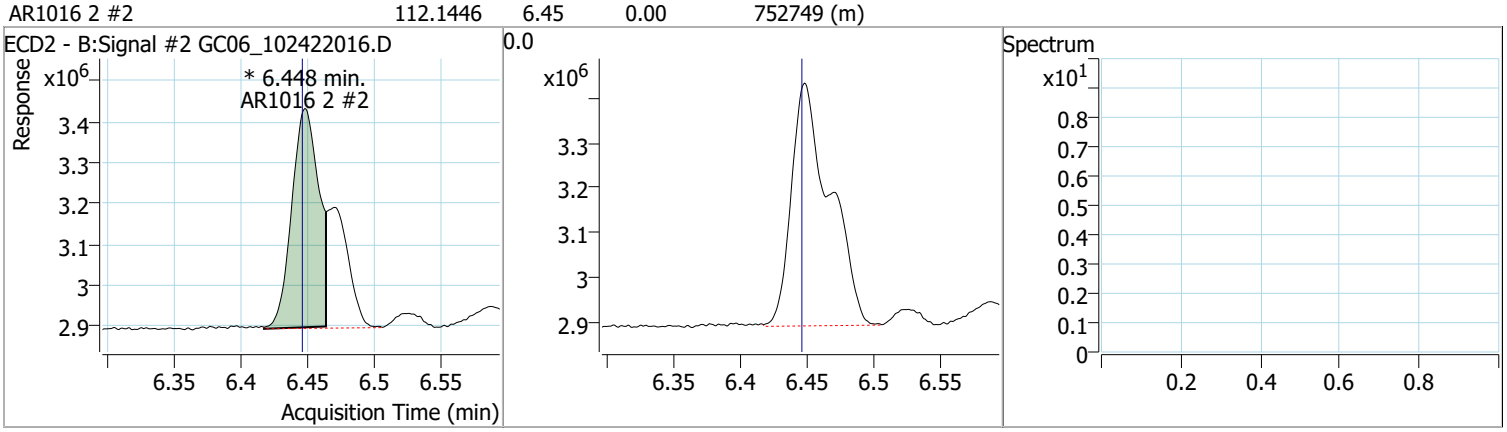
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	108.5912	6.28	0.00	317105				



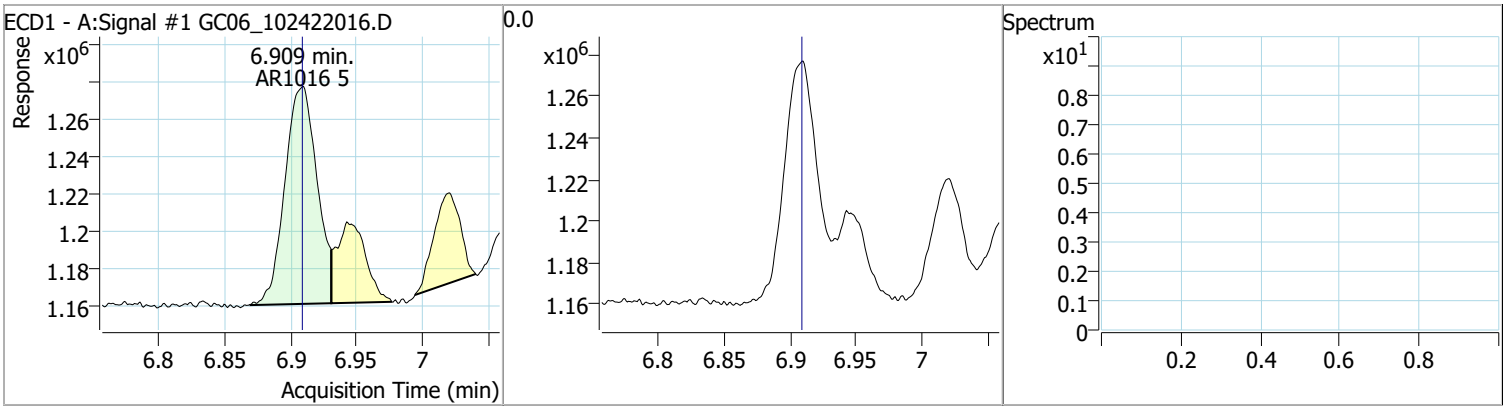
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AR1016 4	109.6225	6.43	0.00	243468				



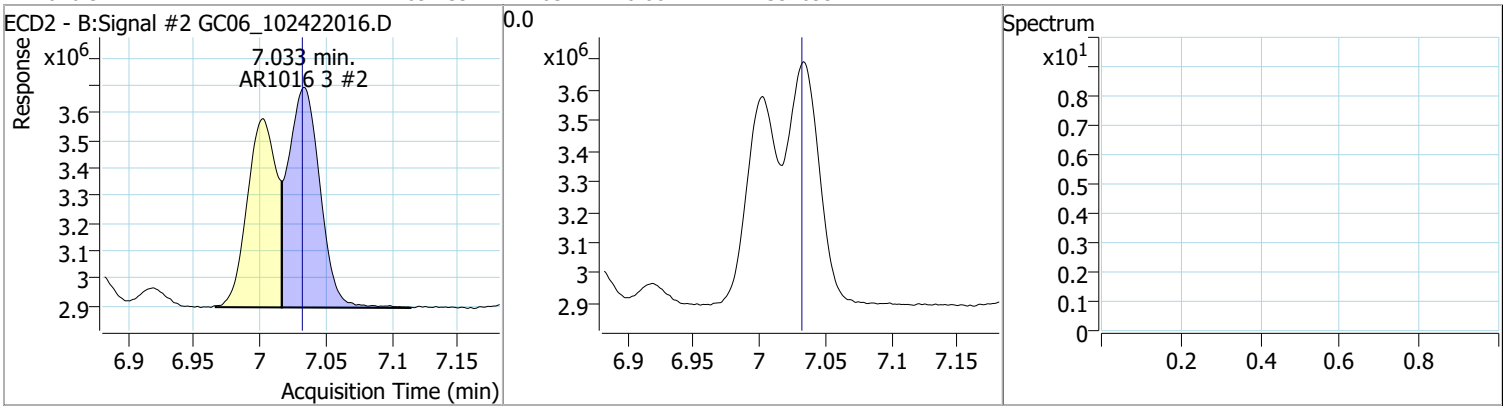
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AR1016 2 #2	112.1446	6.45	0.00	752749 (m)				



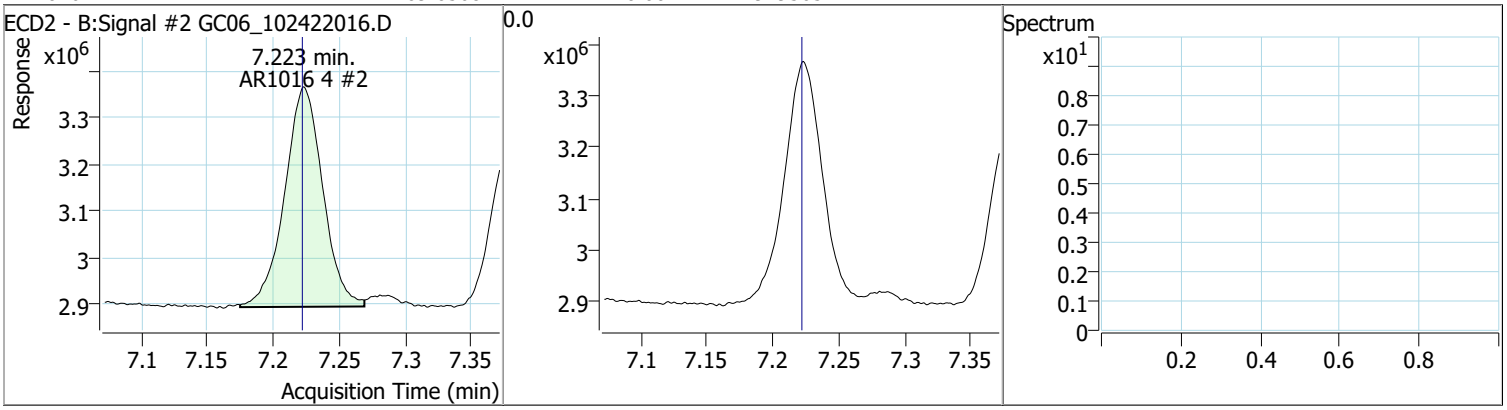
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	108.9344	6.91	0.00	194872				



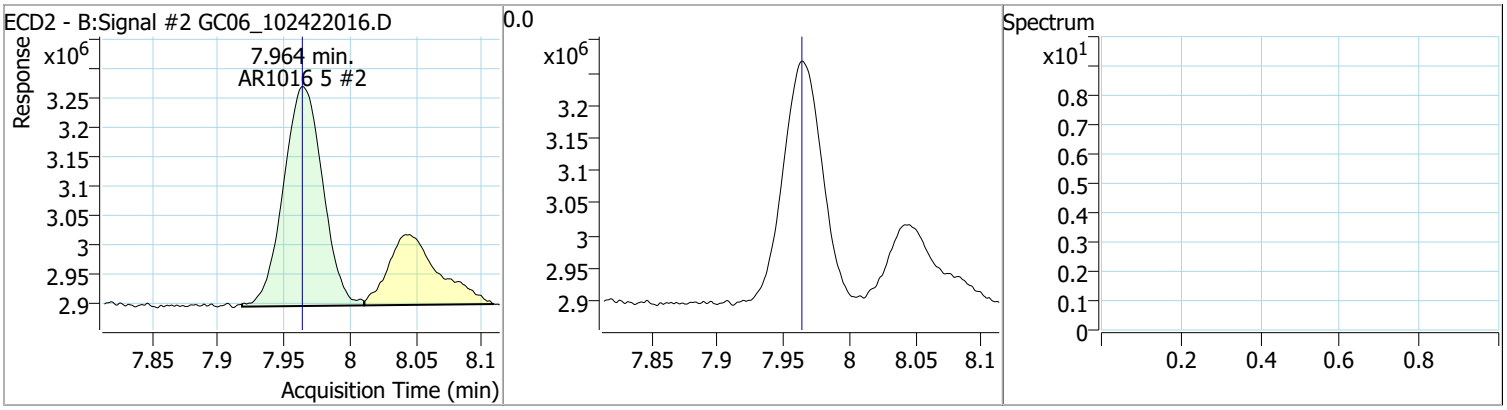
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AR1016 3 #2	109.1394	7.03	0.00	1331099				



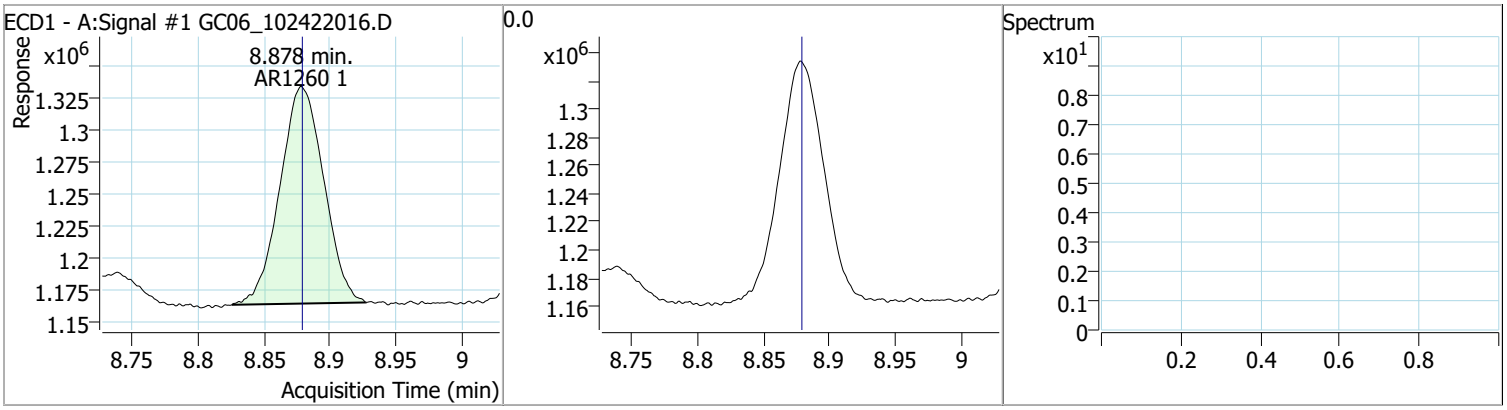
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AR1016 4 #2	109.0568	7.22	0.00	949565				



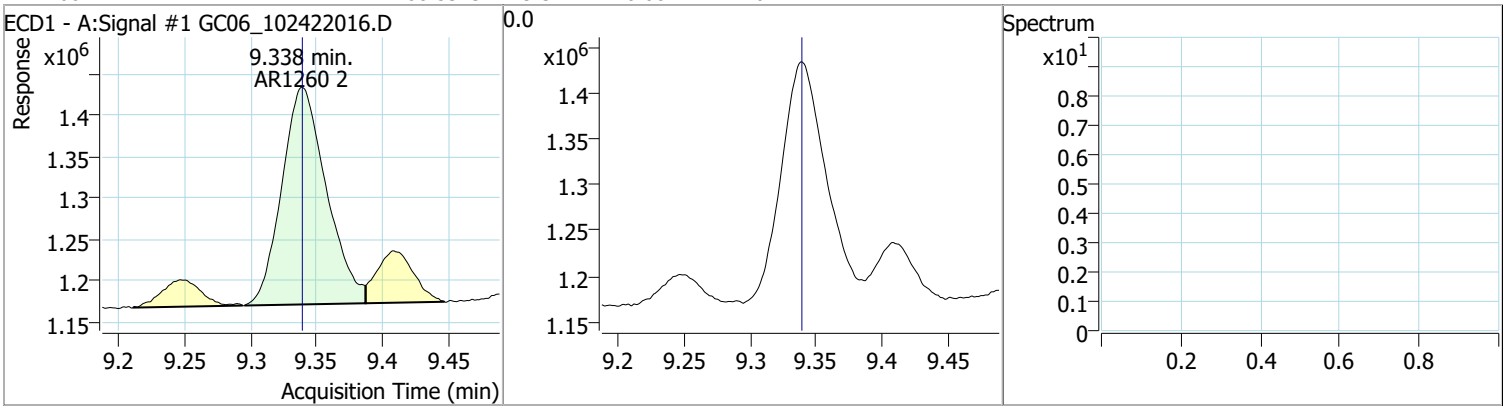
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AR1016 5 #2	109.0702	7.96	0.00	771944				



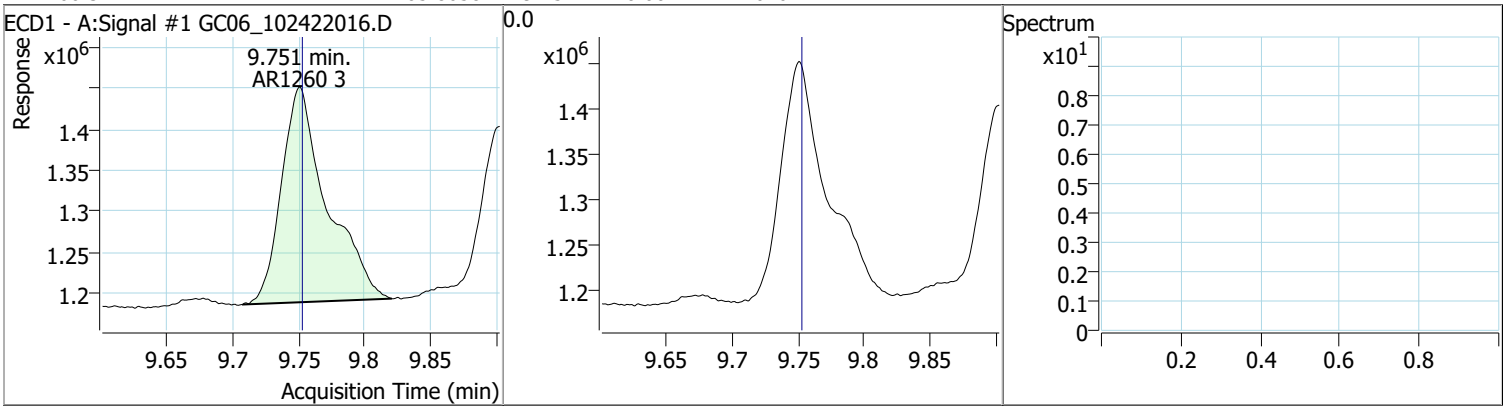
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	105.2331	8.88	0.00	390861				



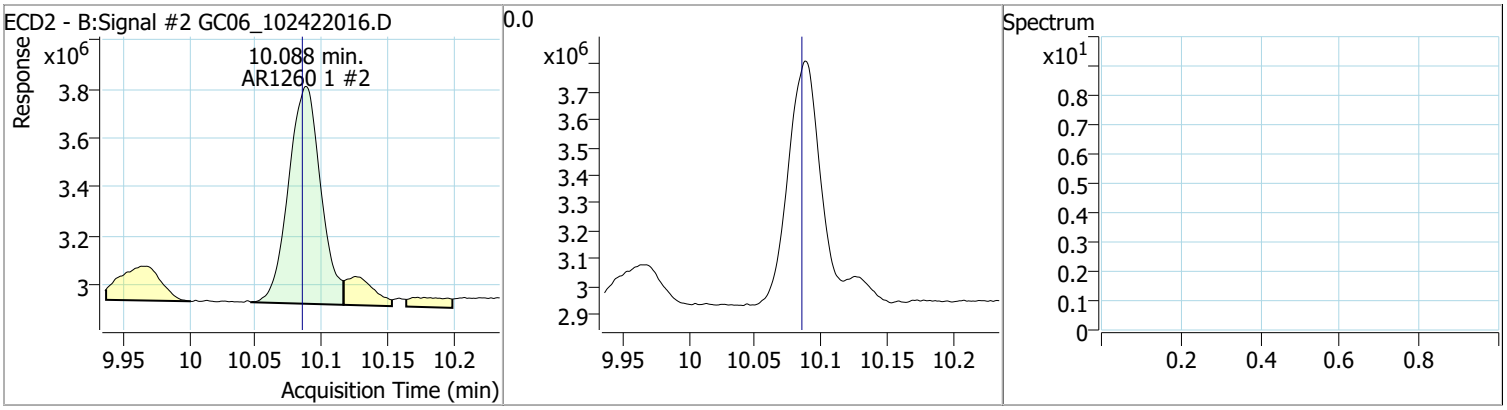
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	108.5313	9.34	0.00	614414				



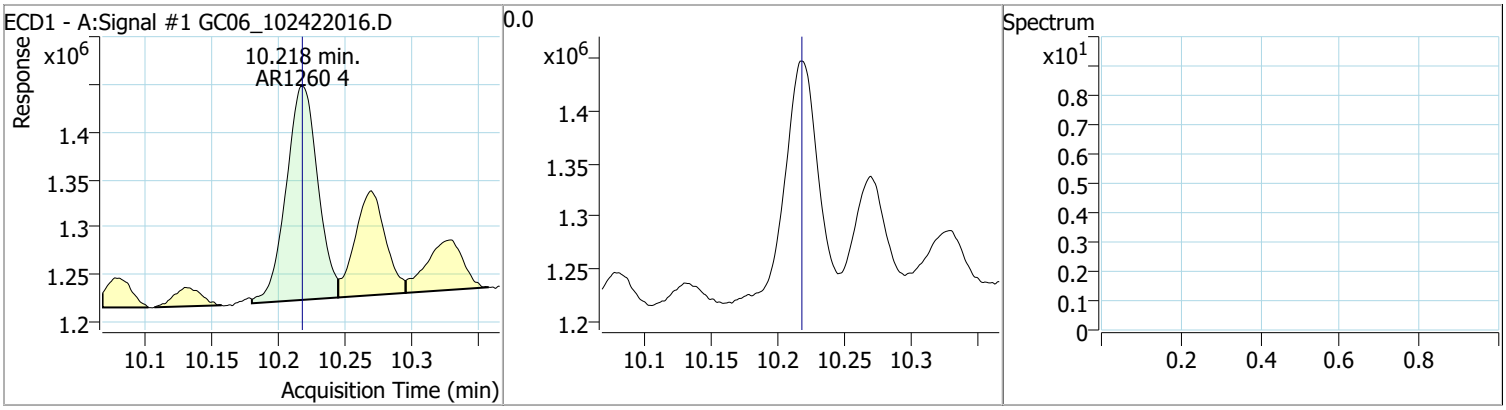
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	105.8658	9.75	0.00	626424				



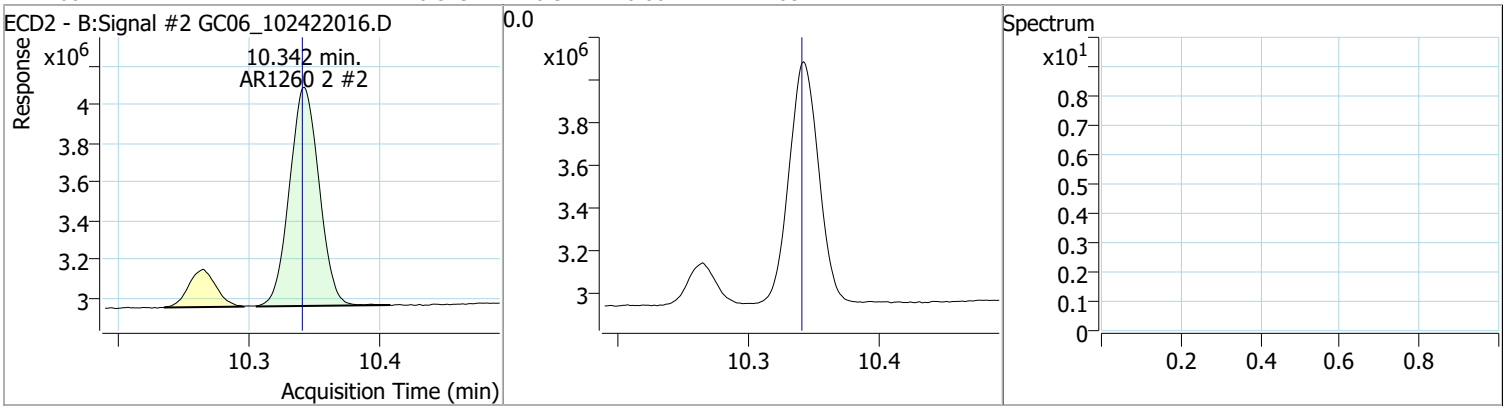
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	113.1421	10.09	0.00	1506424				



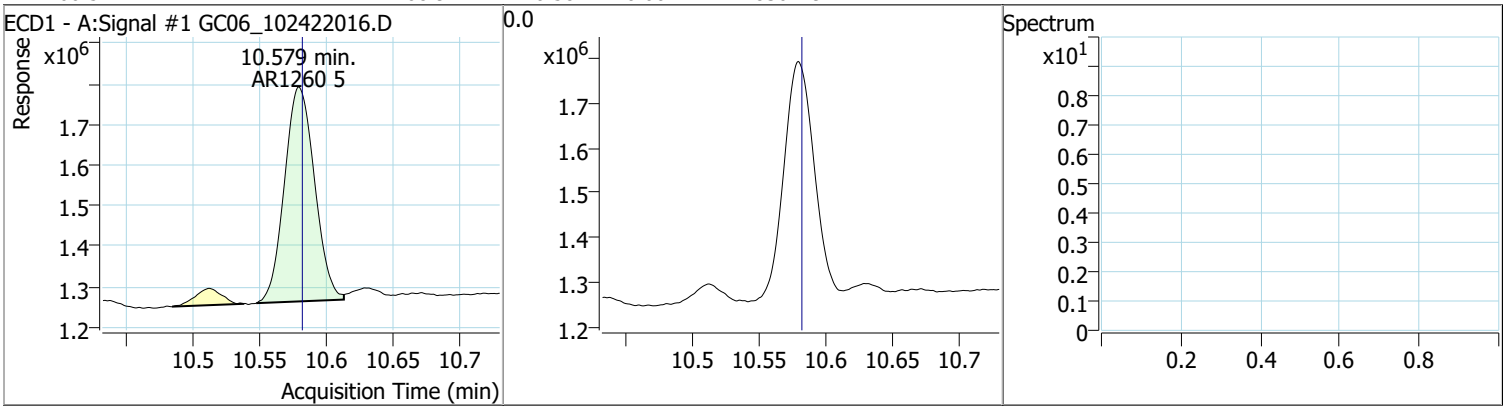
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	104.0416	10.22	0.00	373416				



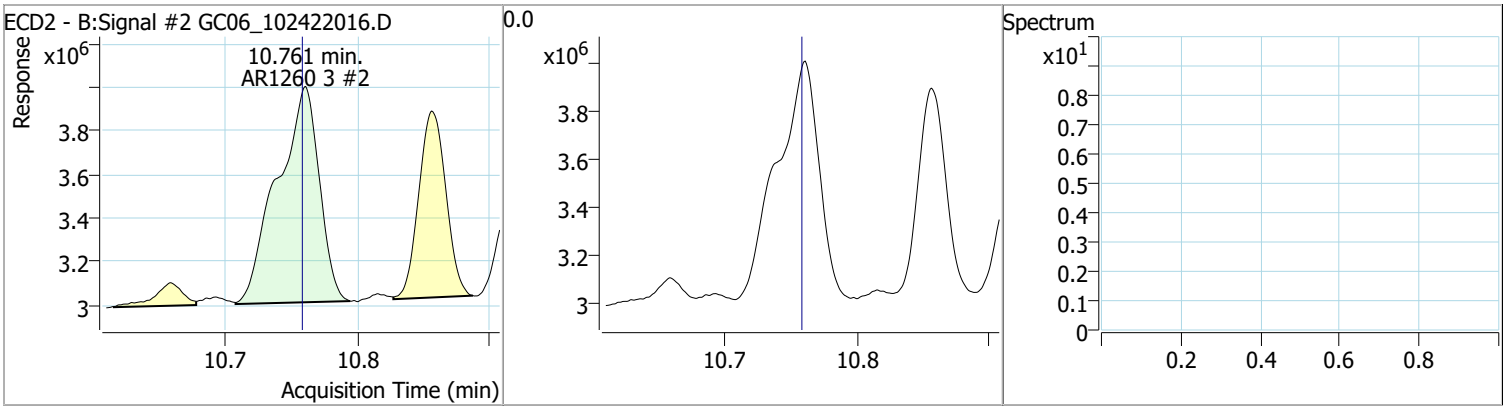
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AR1260 2 #2	110.5237	10.34	0.00	1768114				



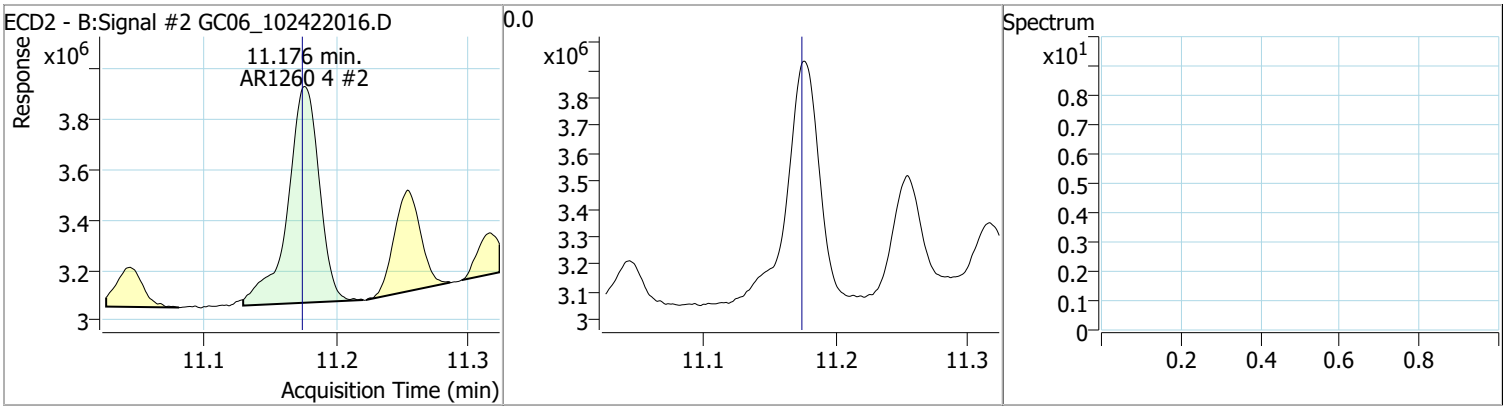
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	108.9242	10.58	0.00	836749				



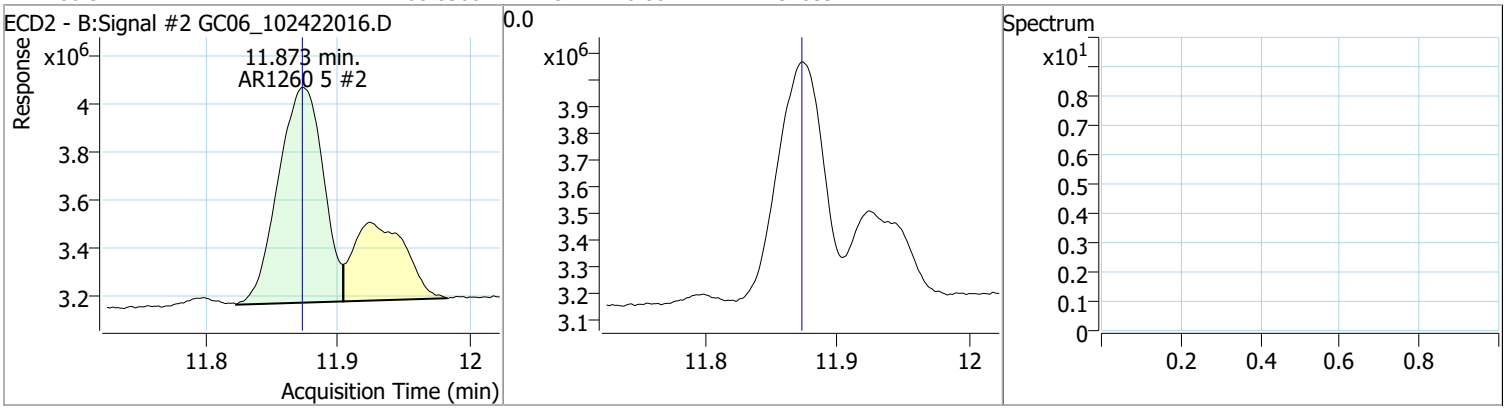
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	108.8731	10.76	0.00	2204620				



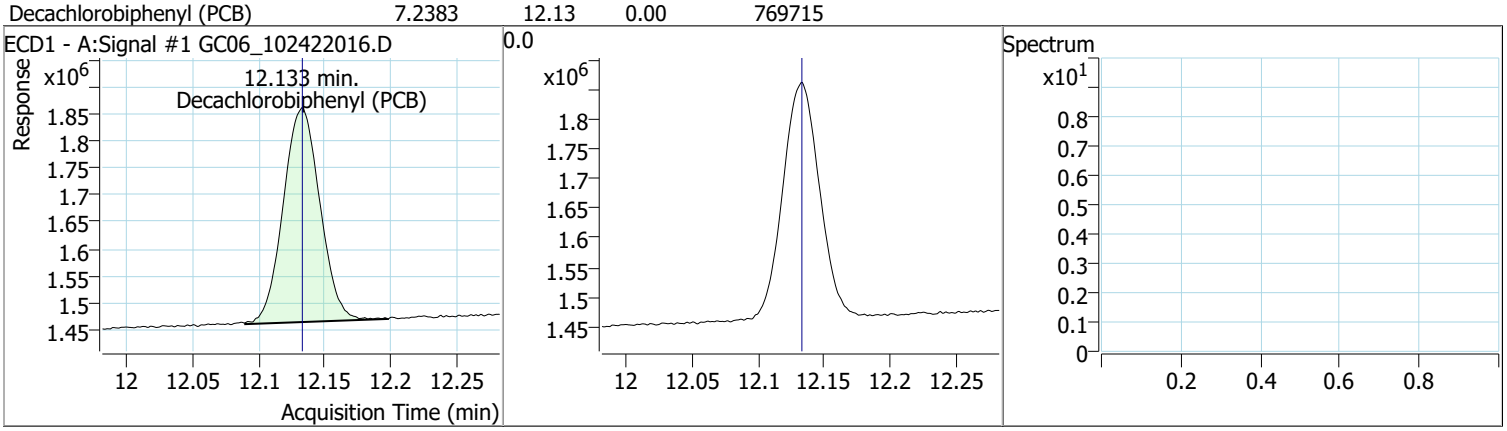
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	106.5619	11.18	0.00	1447196				



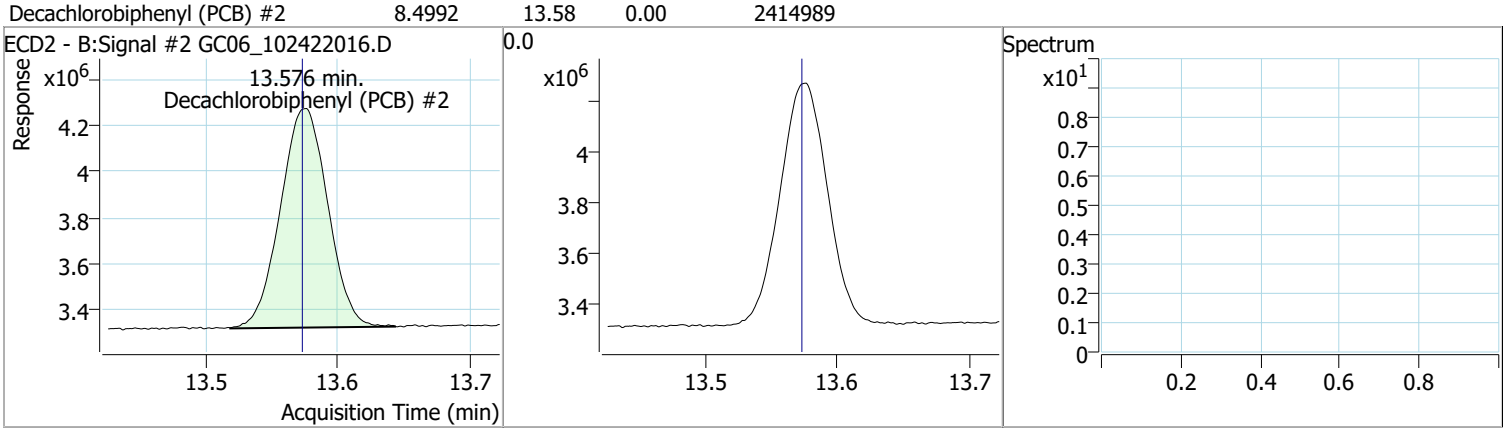
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	108.0368	11.87	0.00	2132039				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	7.2383	12.13	0.00	769715				

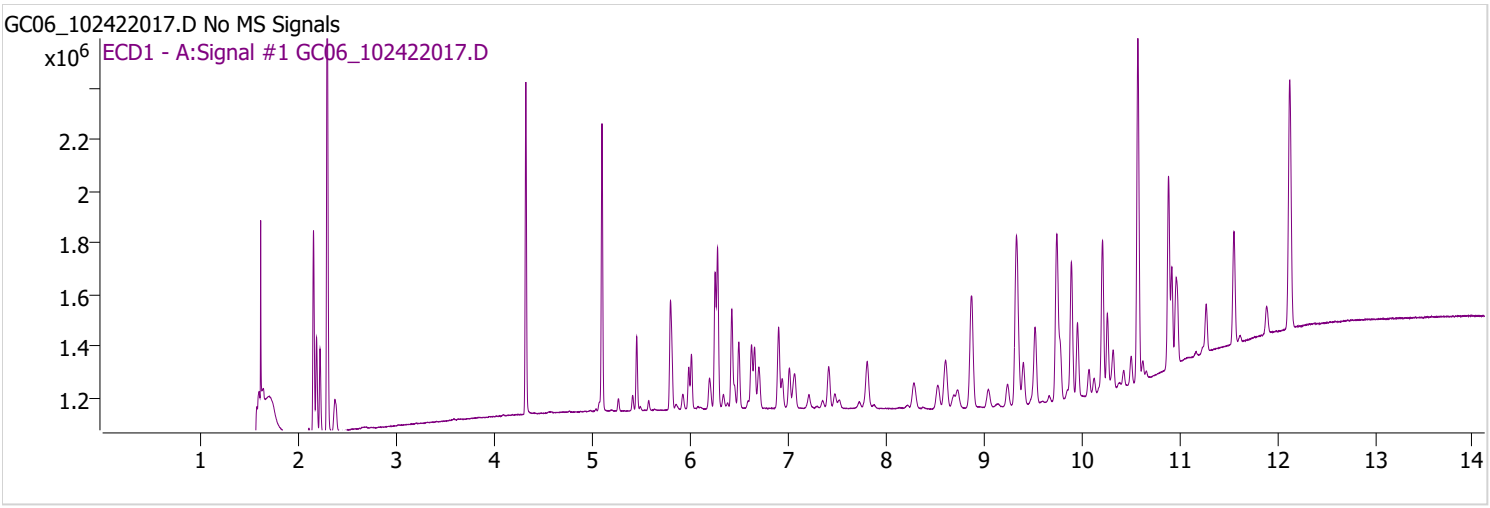


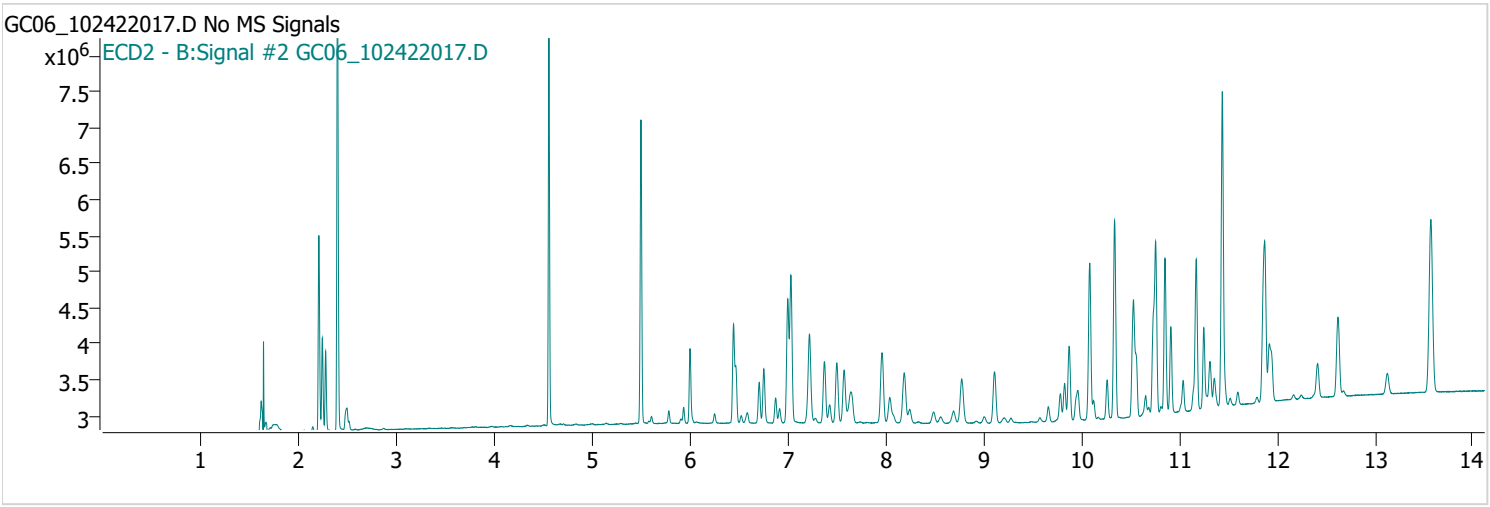
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	8.4992	13.58	0.00	2414989				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422017.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:20:02 PM
Sample Name	ICAL, S17266	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



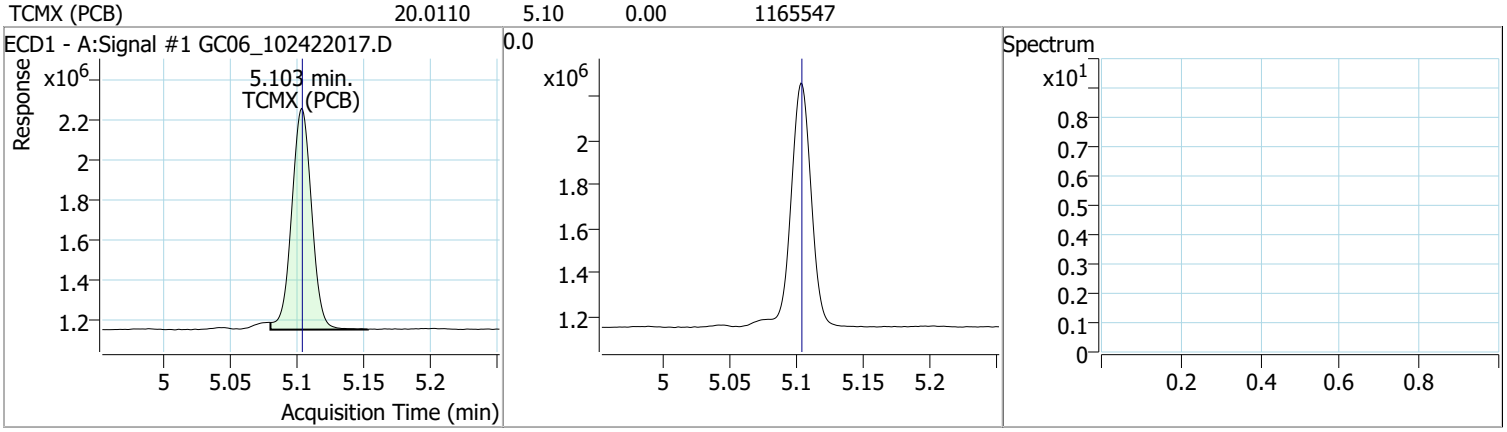


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1211472.444	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4920571.818	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	1165547.443	20.0110	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.05%			
S TCMX (PCB) #2	5.502	0.0	4758798.041	20.1381	ng/ml	m	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.69%			
S Decachlorobiphenyl (PCB)	12.131	0.0	1850638.921	20.8820	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 104.41%			
S Decachlorobiphenyl (PCB) #2	13.573	0.0	5988530.393	21.8142	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 109.07%			
Target Compounds							QValue

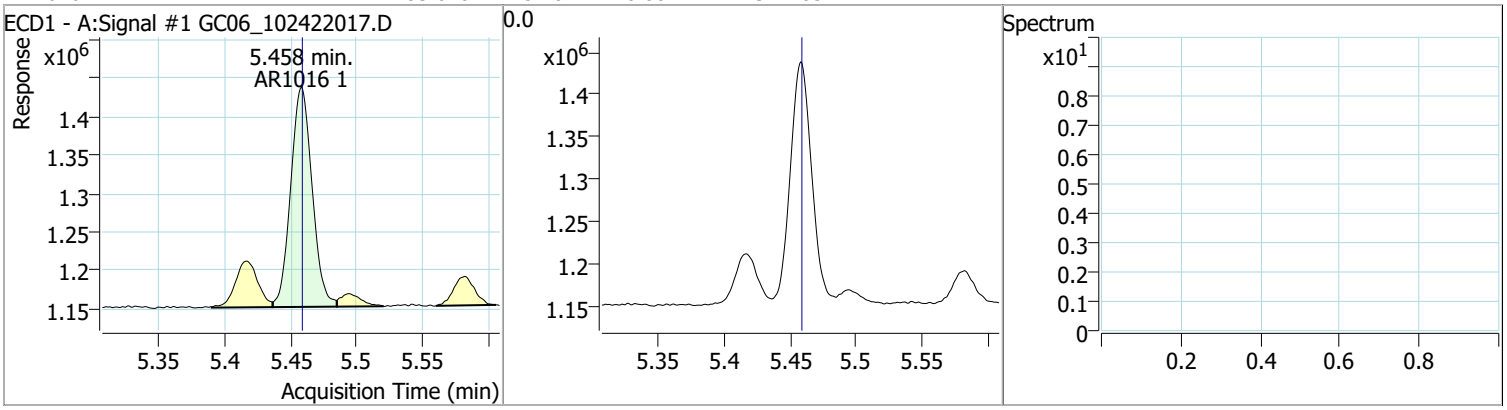
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	322205.369	253.6767	ng/ml		100
T AR1016 2	5.803	0.0	712693.363	266.8112	ng/ml		100
T AR1016 1 #2	6.003	0.0	1331882.363	260.4356	ng/ml		100
T AR1016 3	6.284	0.0	837940.134	260.2036	ng/ml		100
T AR1016 4	6.430	0.0	635327.920	259.3965	ng/ml		100
T AR1016 2 #2	6.448	0.0	1963799.619	266.0119	ng/ml	m	100
T AR1016 5	6.908	0.0	507361.692	257.1827	ng/ml		100
T AR1016 3 #2	7.033	0.0	3371390.470	251.3369	ng/ml	m	100
T AR1016 4 #2	7.223	0.0	2521917.084	263.3511	ng/ml		100
T AR1016 5 #2	7.963	0.0	2051369.275	263.5364	ng/ml		100
T AR1260 1	8.879	0.0	1022403.707	249.6095	ng/ml		100
T AR1260 2	9.338	0.0	1586842.083	254.1774	ng/ml		100
T AR1260 3	9.751	0.0	1640631.734	251.4243	ng/ml		100
T AR1260 1 #2	10.088	0.0	3737278.960	255.2165	ng/ml		100
T AR1260 4	10.218	0.0	994487.770	273.1079	ng/ml		100
T AR1260 2 #2	10.341	0.0	4465148.473	253.7799	ng/ml		100
T AR1260 5	10.578	0.0	2108588.370	272.1624	ng/ml		100
T AR1260 3 #2	10.760	0.0	5581397.012	250.6144	ng/ml		100
T AR1260 4 #2	11.175	0.0	3582855.500	269.4632	ng/ml	m	100
T AR1260 5 #2	11.874	0.0	5338056.869	269.7608	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

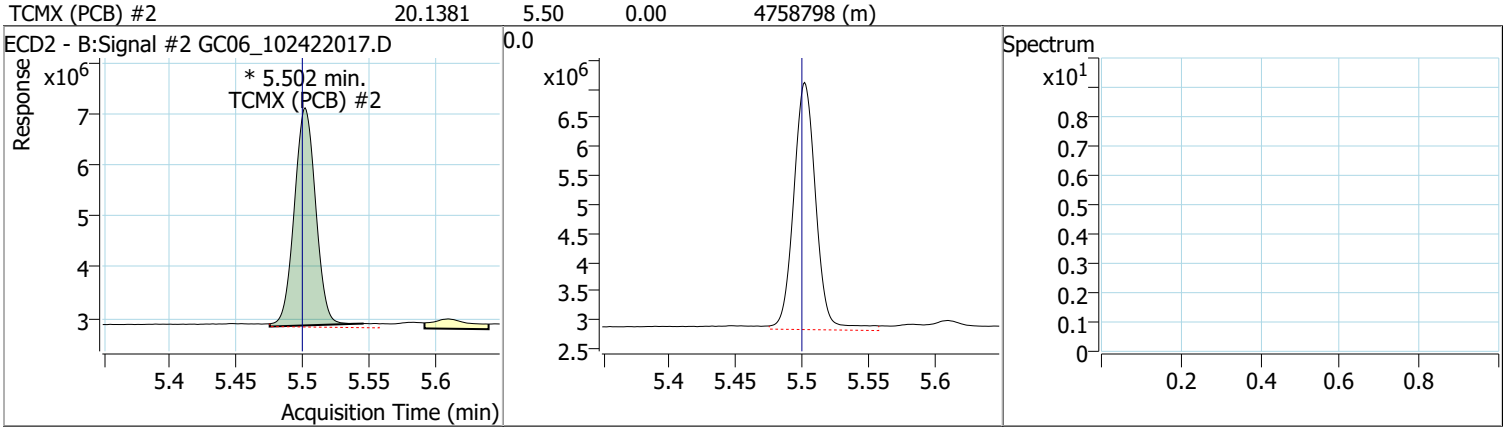
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	20.0110	5.10	0.00	1165547				



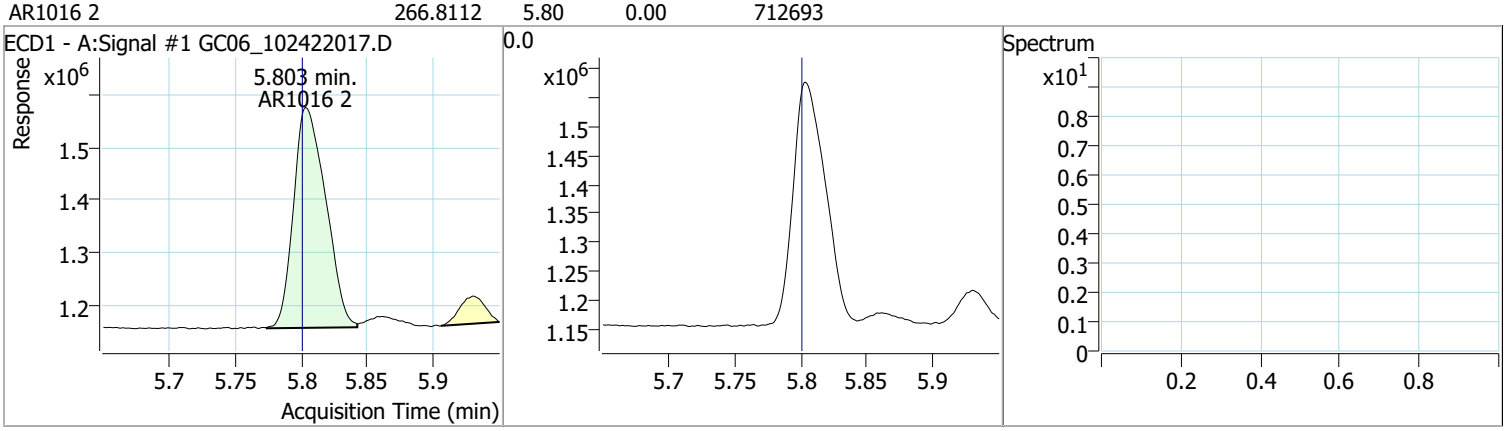
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	253.6767	5.46	0.00	322205				



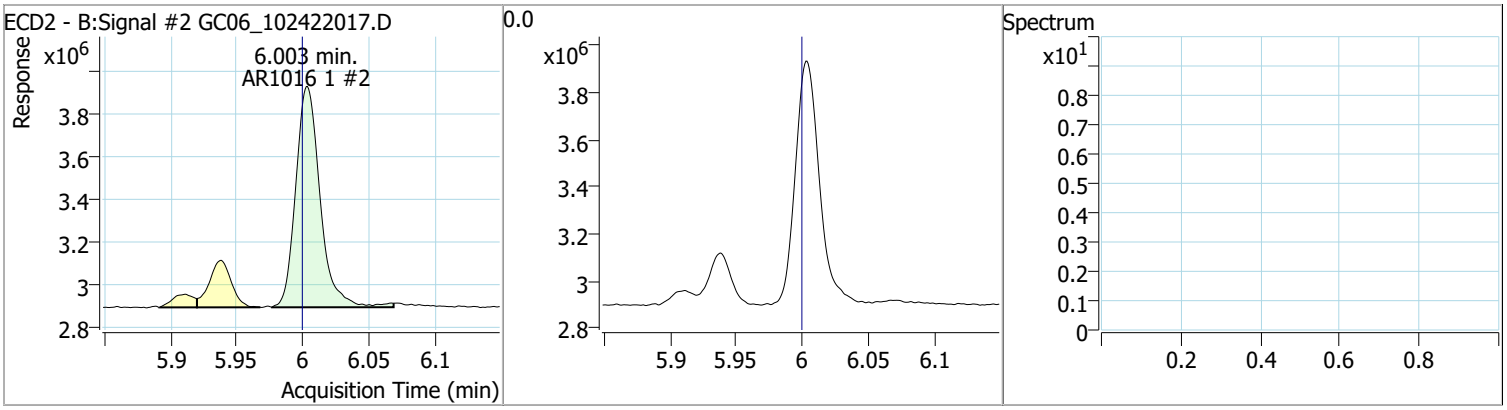
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	20.1381	5.50	0.00	4758798 (m)				



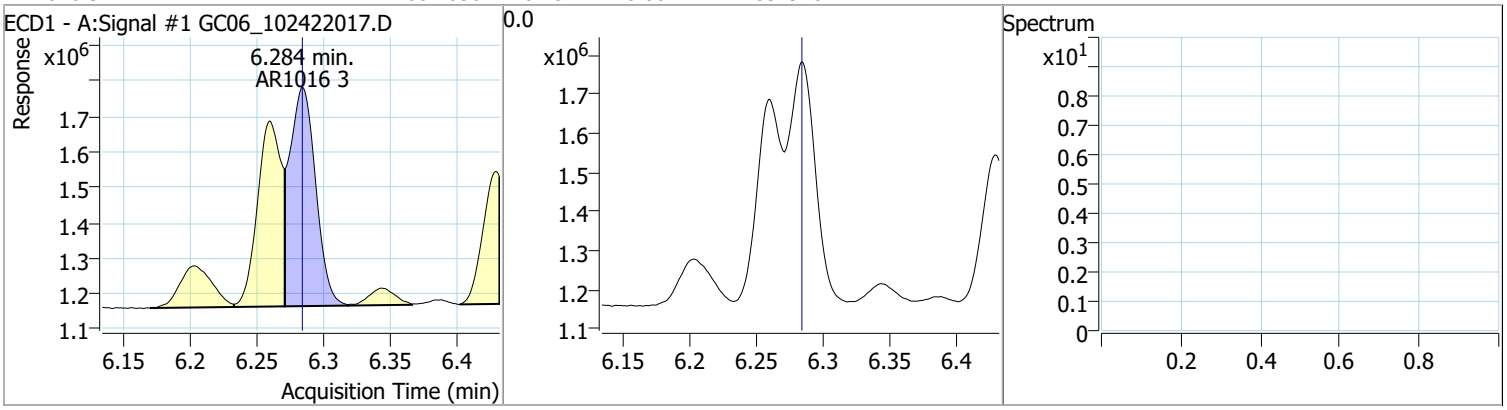
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	266.8112	5.80	0.00	712693				



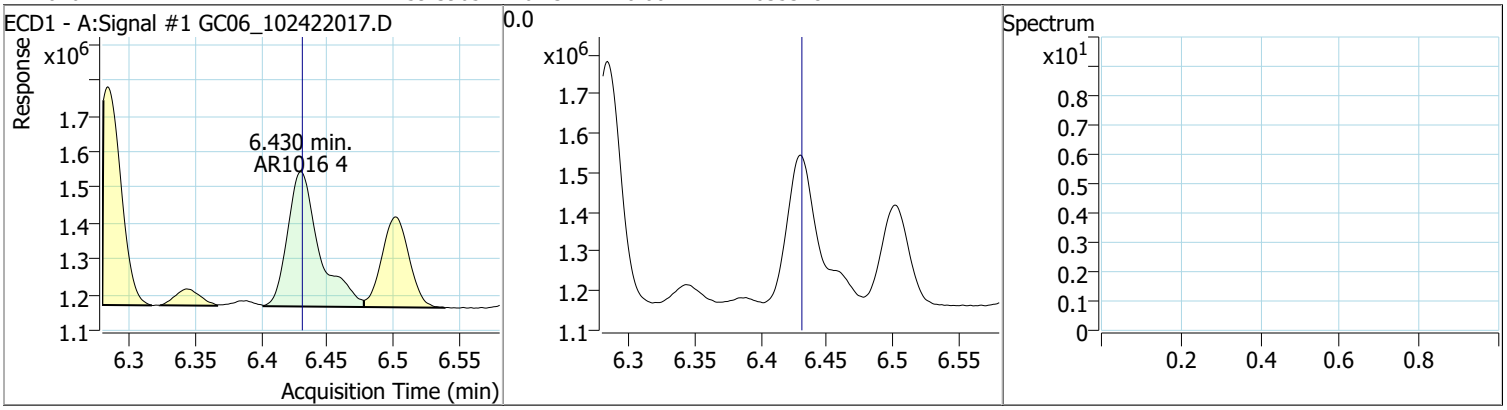
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	260.4356	6.00	0.00	1331882				



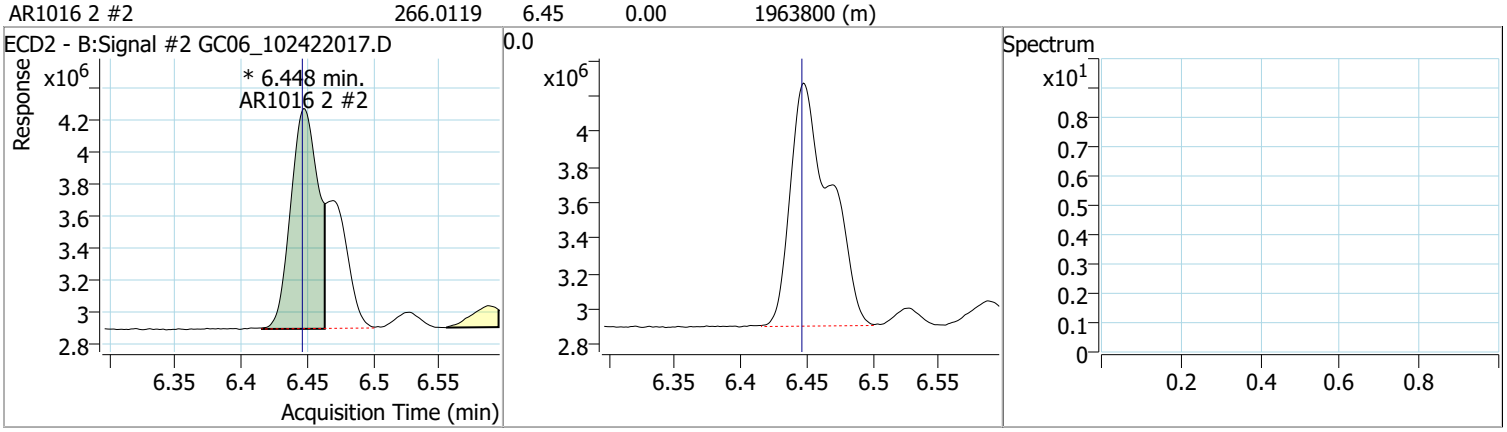
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	260.2036	6.28	0.00	837940				



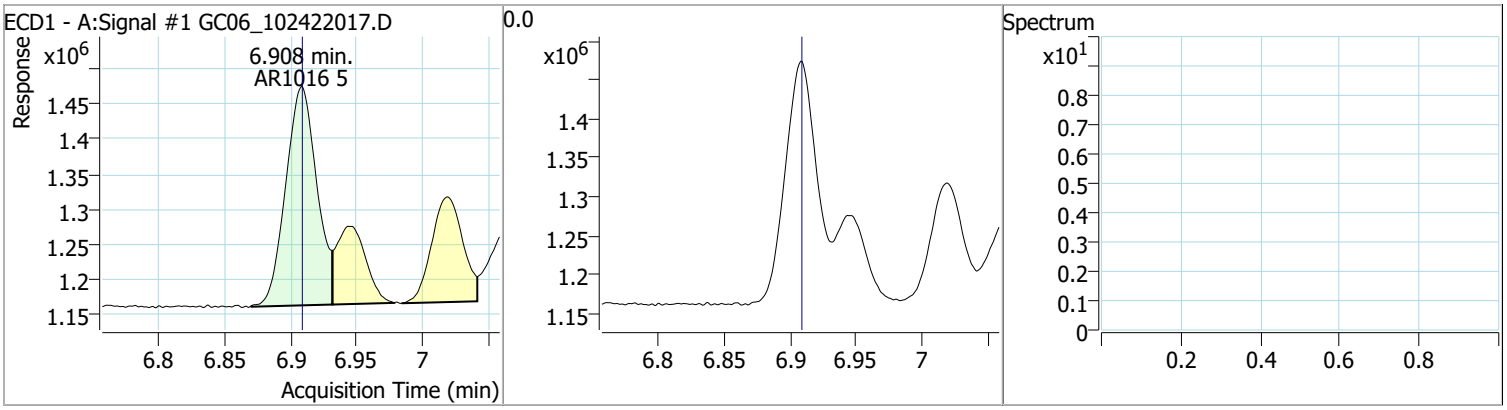
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	259.3965	6.43	0.00	635328				



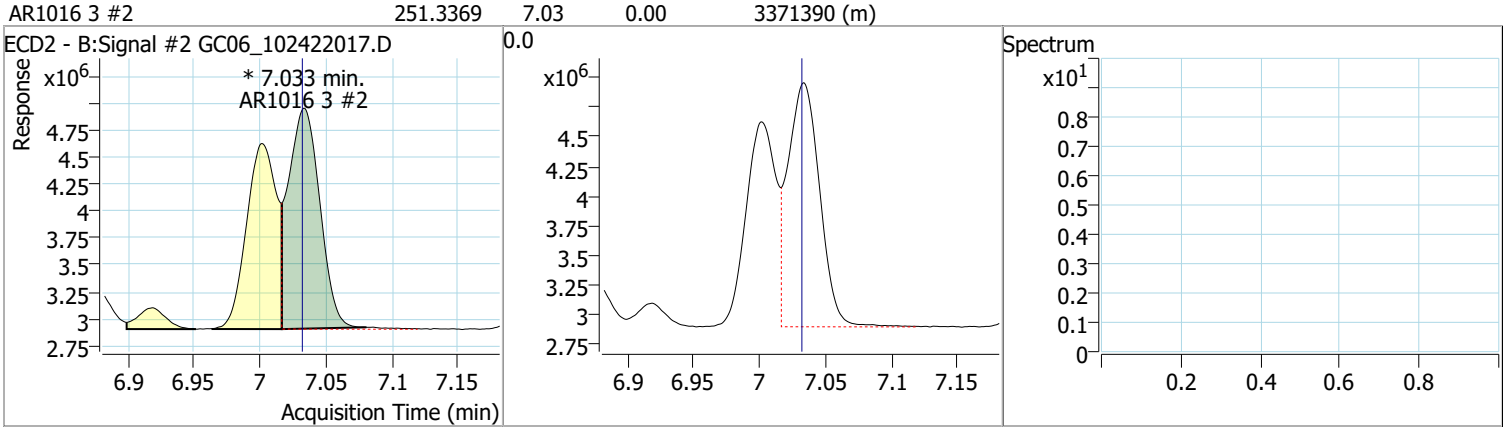
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	266.0119	6.45	0.00	1963800 (m)				



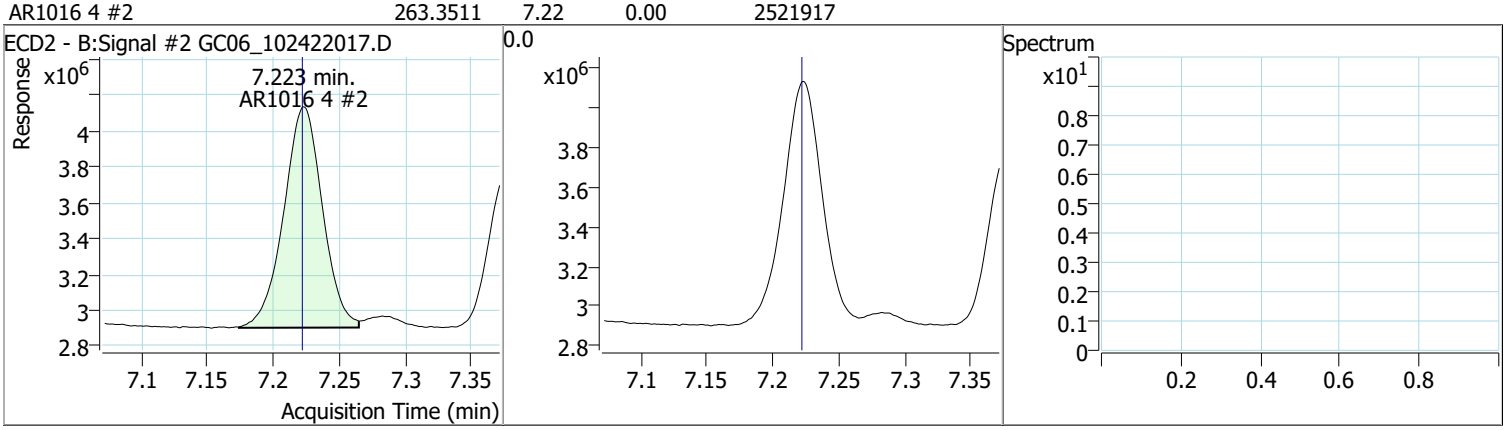
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	257.1827	6.91	0.00	507362				



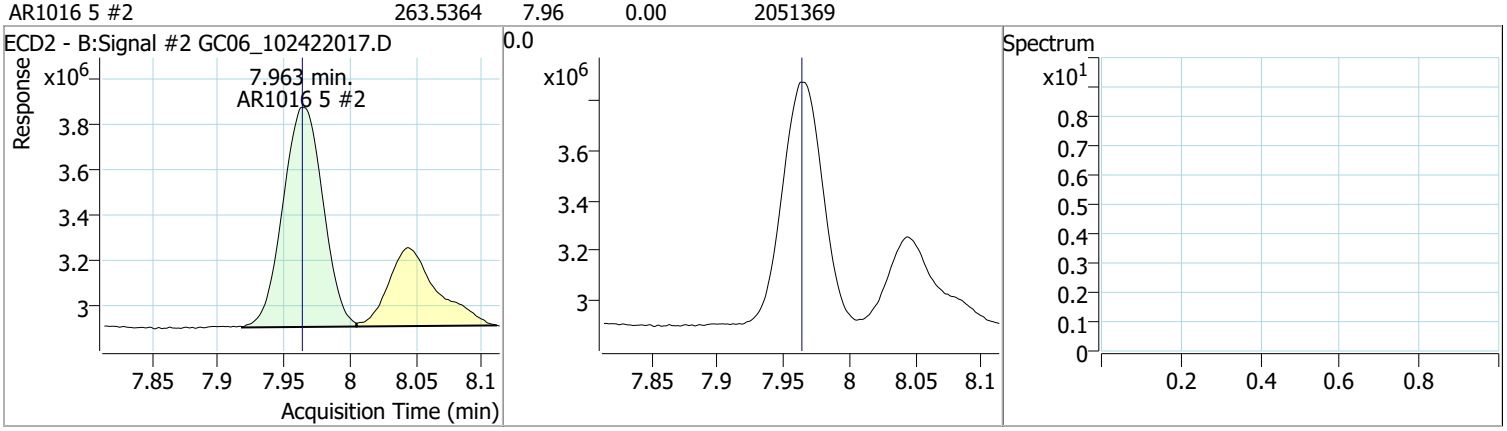
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	251.3369	7.03	0.00	3371390 (m)				



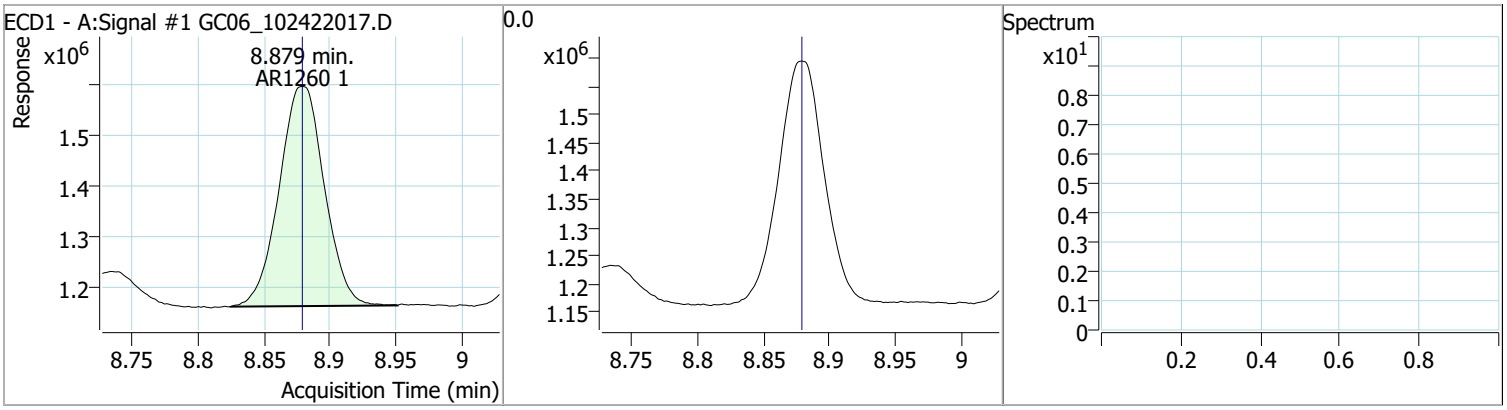
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AR1016 4 #2	263.3511	7.22	0.00	2521917				



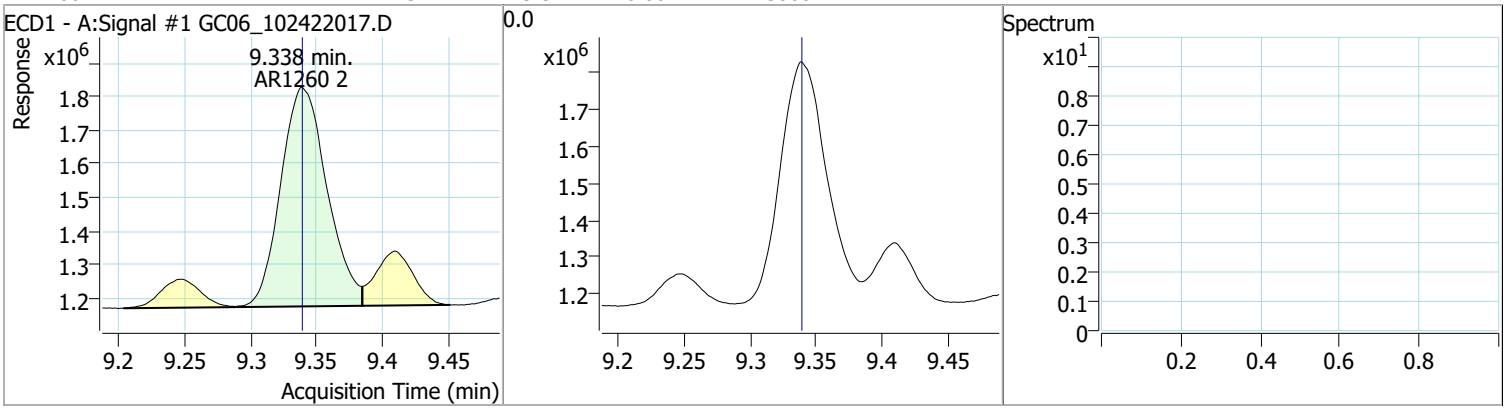
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	263.5364	7.96	0.00	2051369				



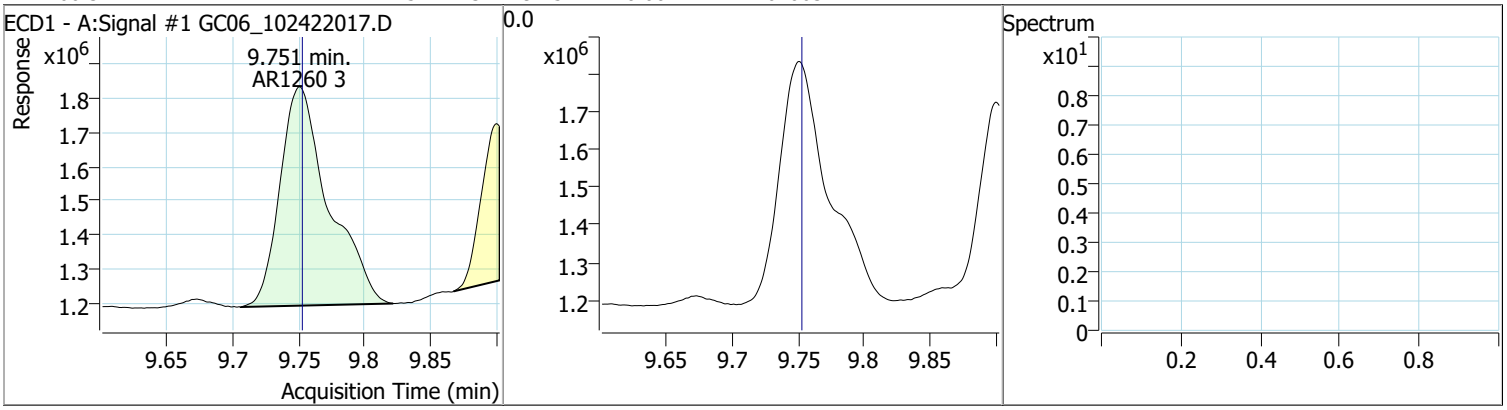
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	249.6095	8.88	0.00	1022404				



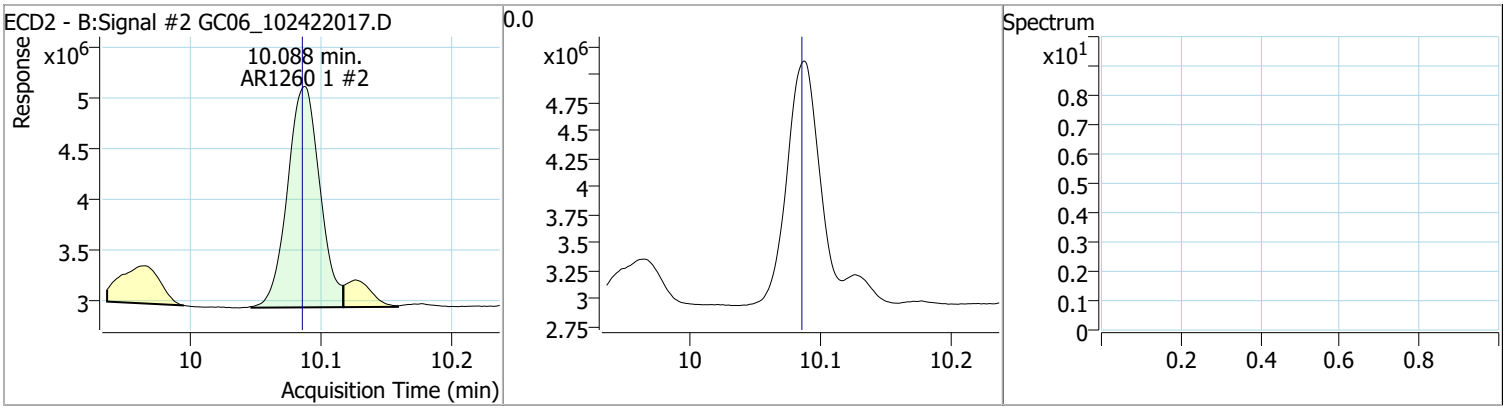
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	254.1774	9.34	0.00	1586842				



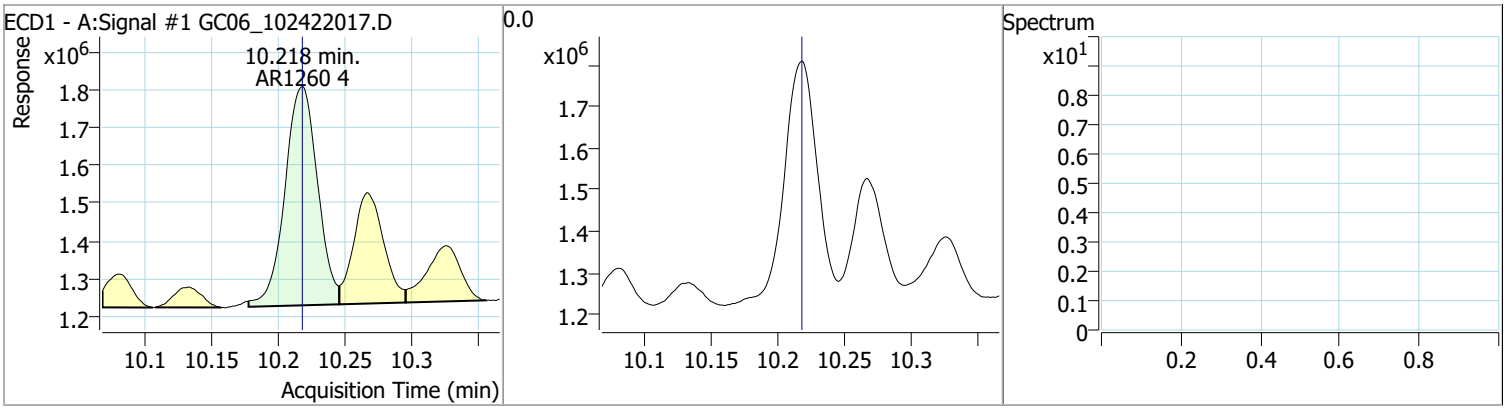
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	251.4243	9.75	0.00	1640632				



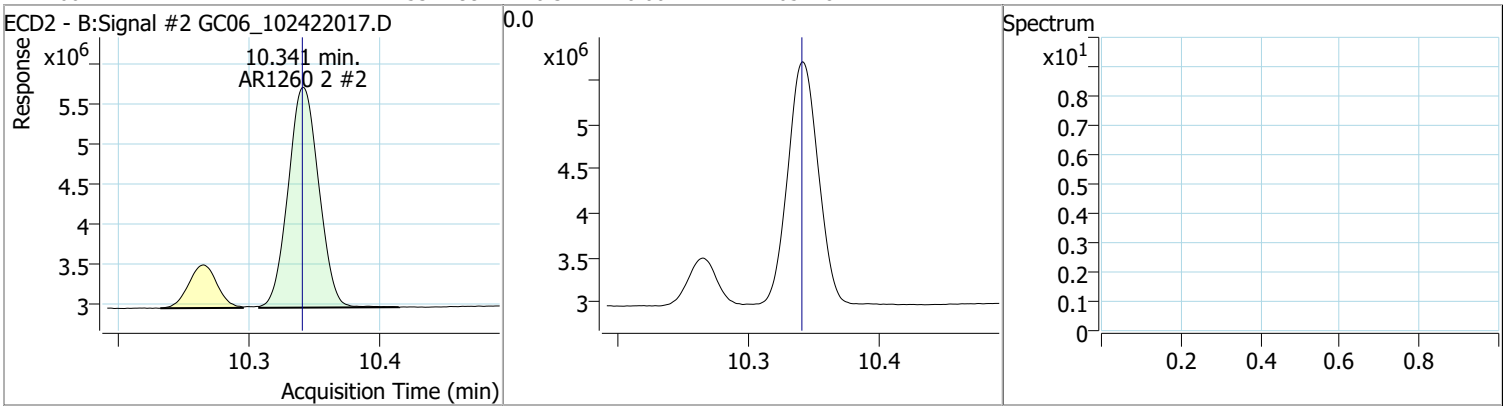
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	255.2165	10.09	0.00	3737279				



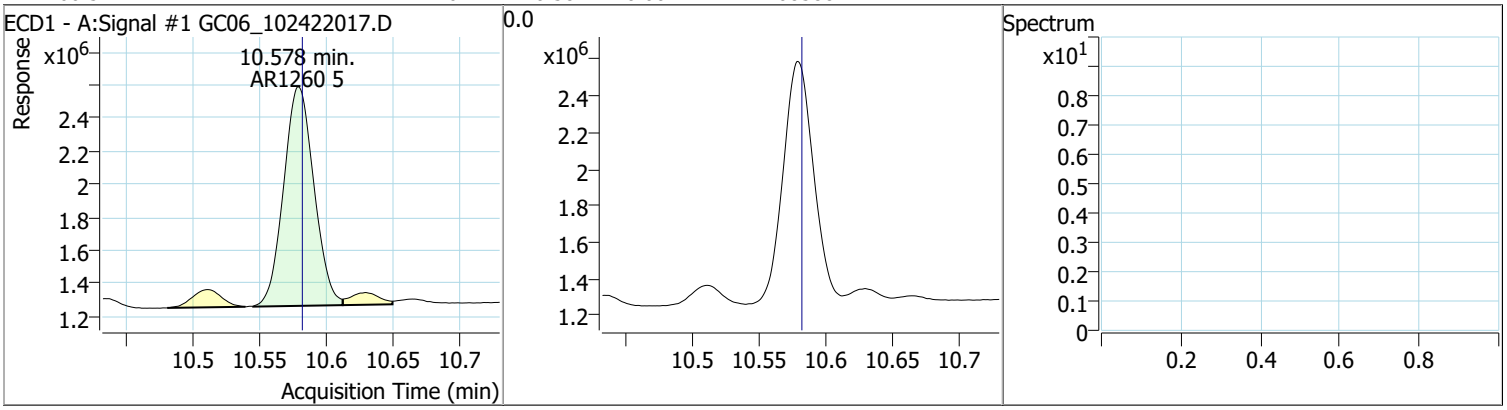
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	273.1079	10.22	0.00	994488				



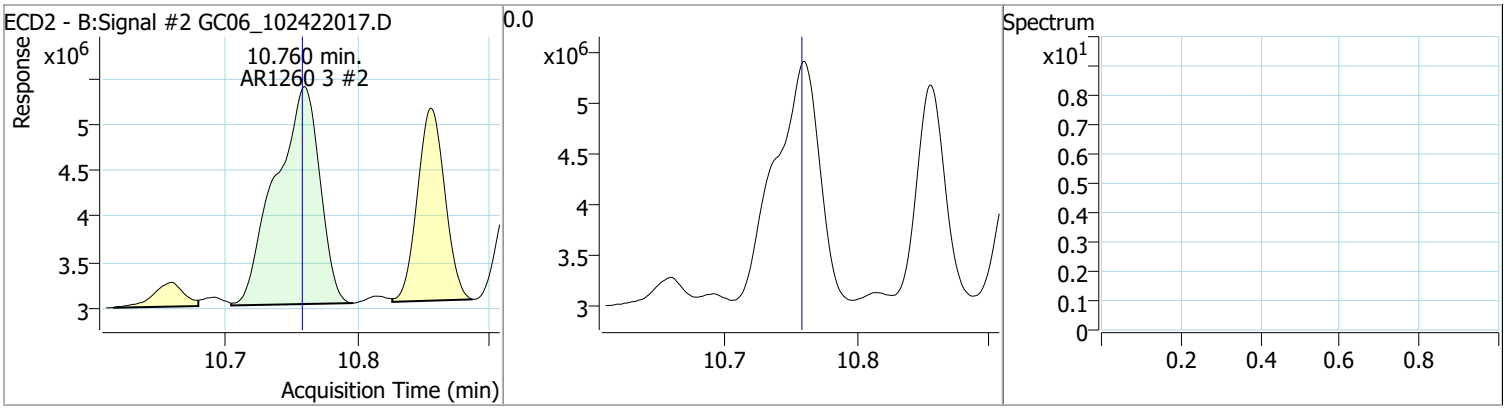
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	253.7799	10.34	0.00	4465148				



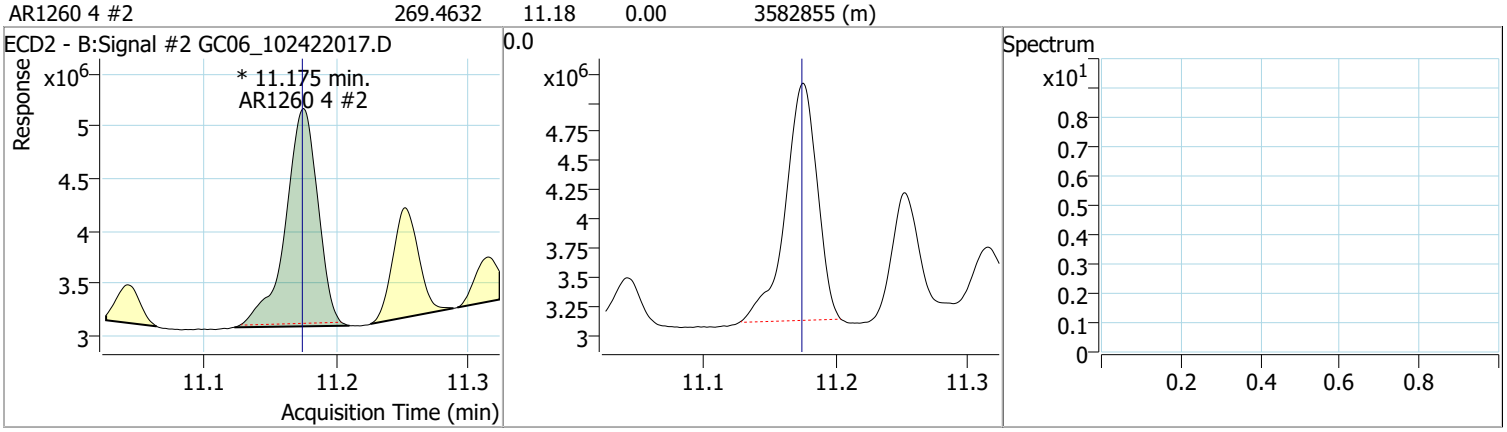
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	272.1624	10.58	0.00	2108588				



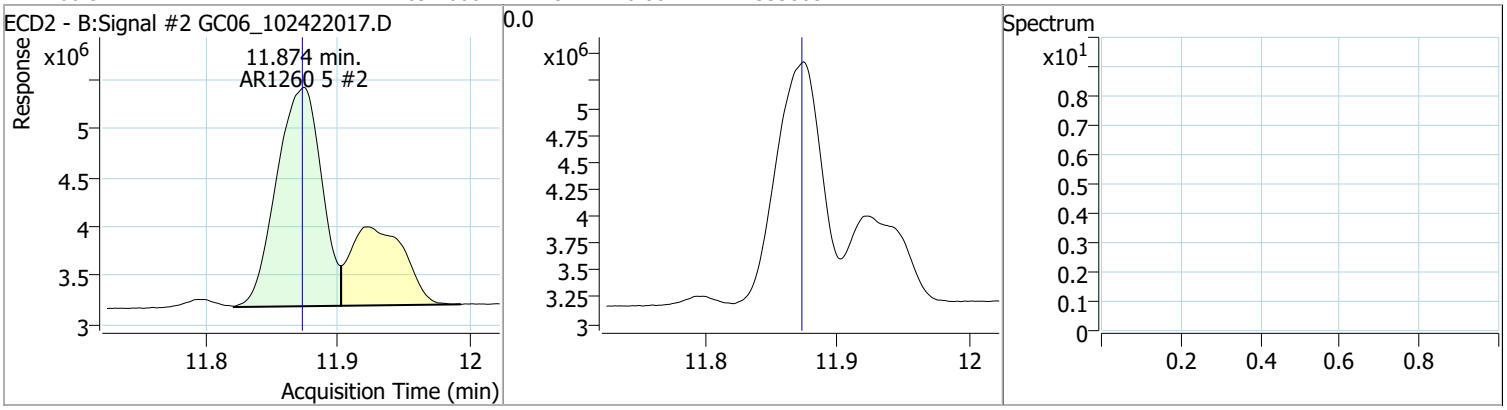
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	250.6144	10.76	0.00	5581397				



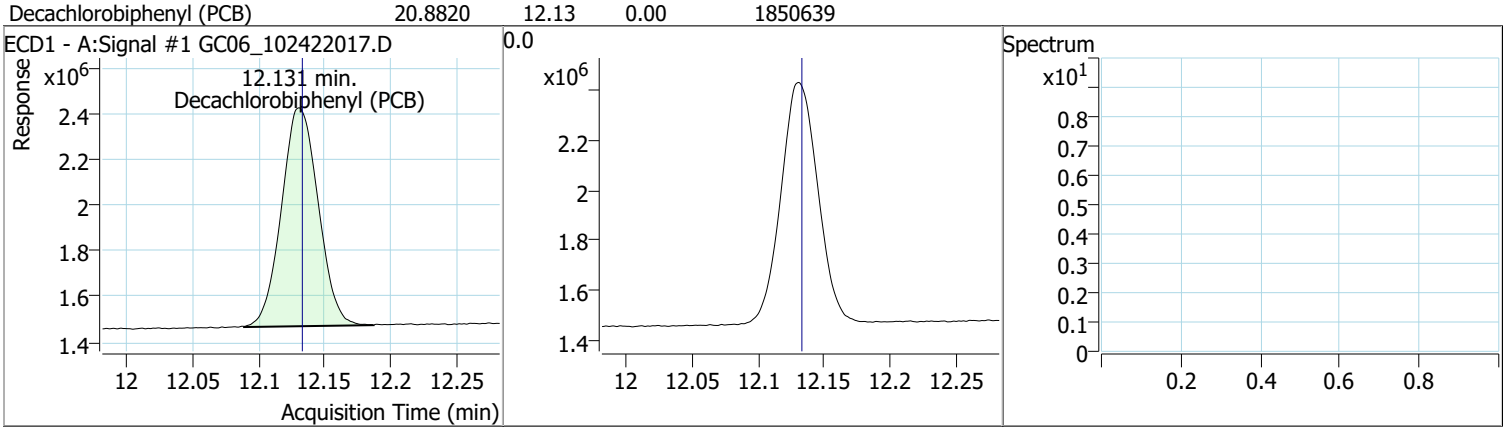
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	269.4632	11.18	0.00	3582855 (m)				



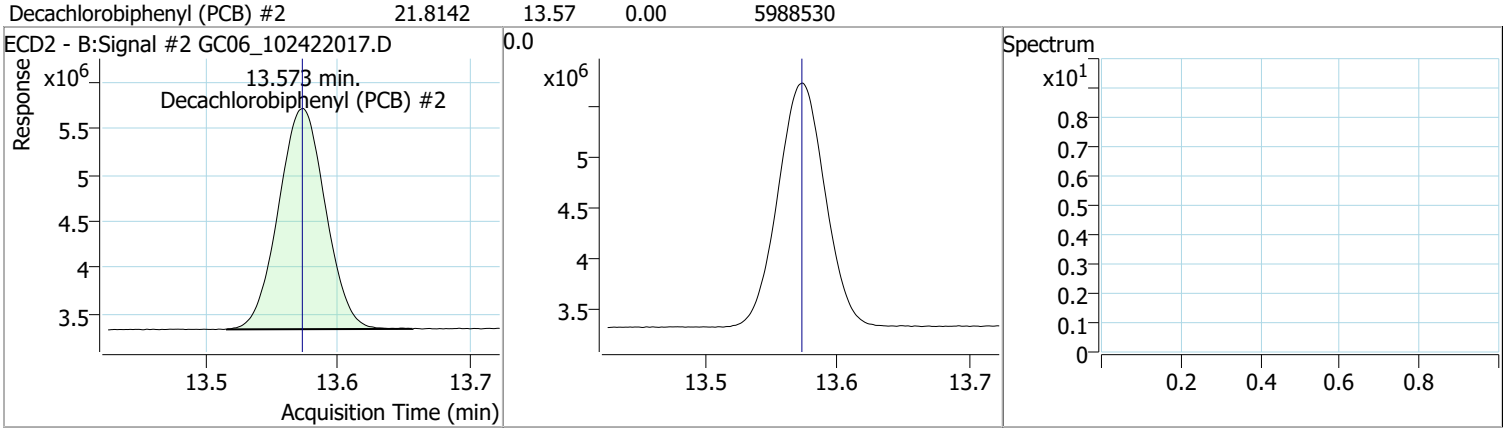
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	269.7608	11.87	0.00	5338057				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	20.8820	12.13	0.00	1850639				

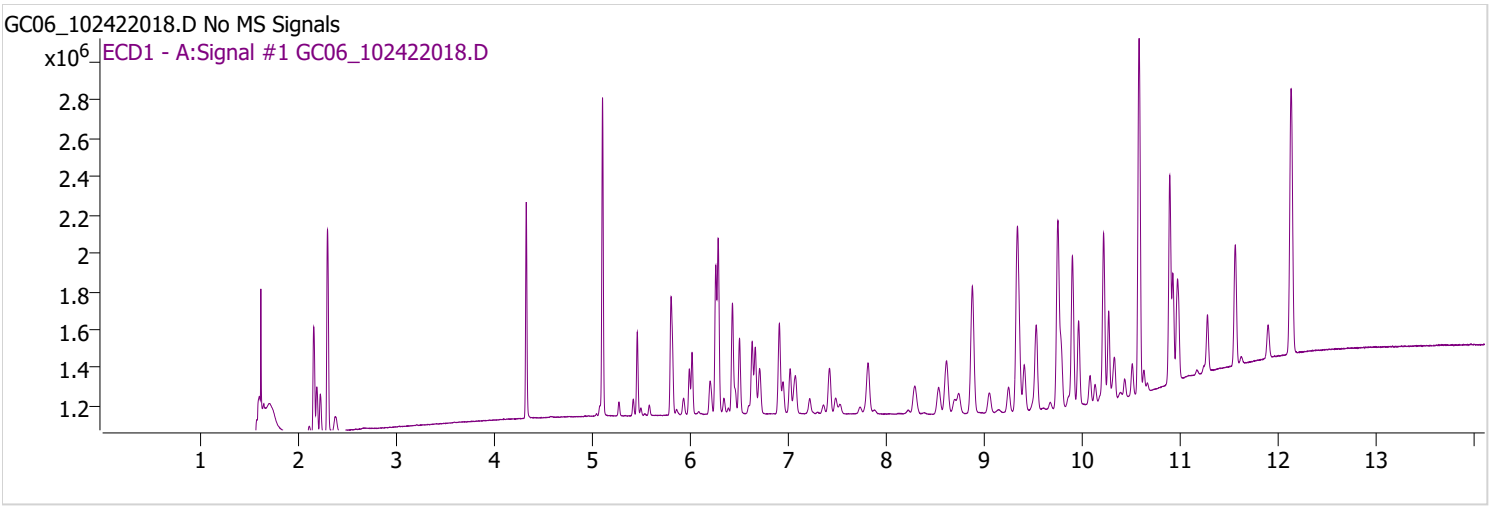


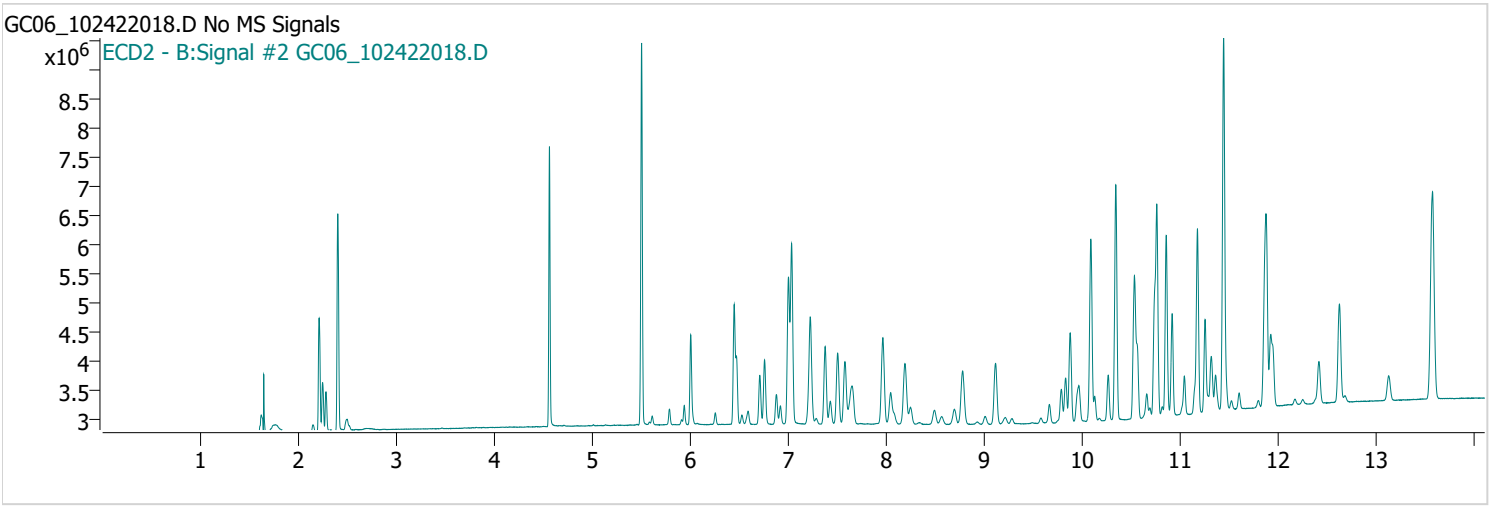
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	21.8142	13.57	0.00	5988530				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422018.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:38:01 PM
Sample Name	ICAL, S17267	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



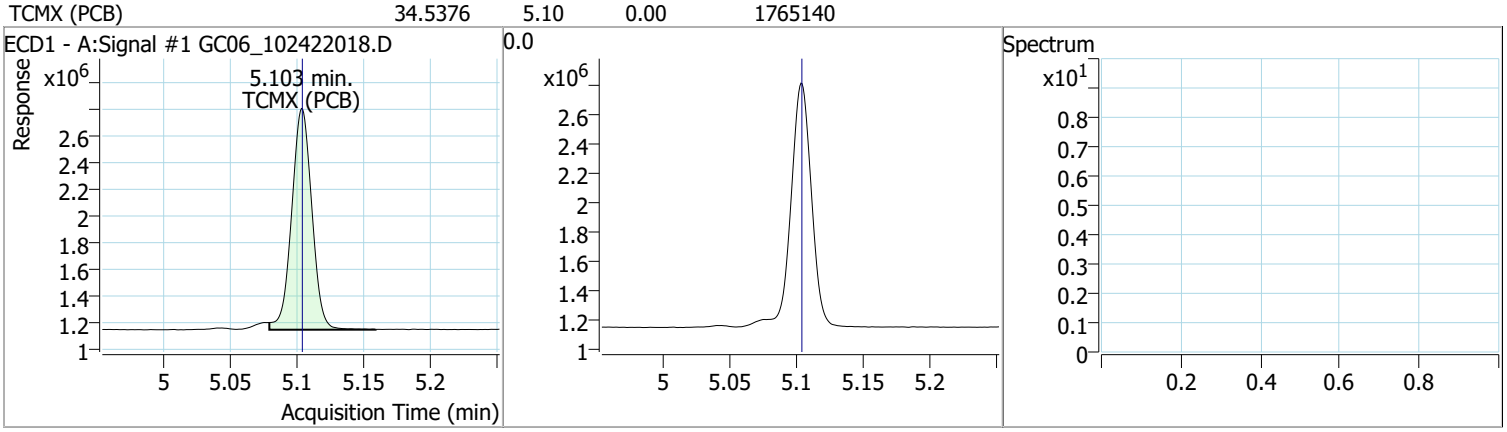


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1063014.245	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4327999.304	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	1765140.014	34.5376	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.69%		*	
S TCMX (PCB) #2	5.503	0.0	7185282.107	34.5695	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 172.85%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	2792824.739	39.0257	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.13%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	9183894.715	39.6055	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 198.03%		*	
Target Compounds							QValue

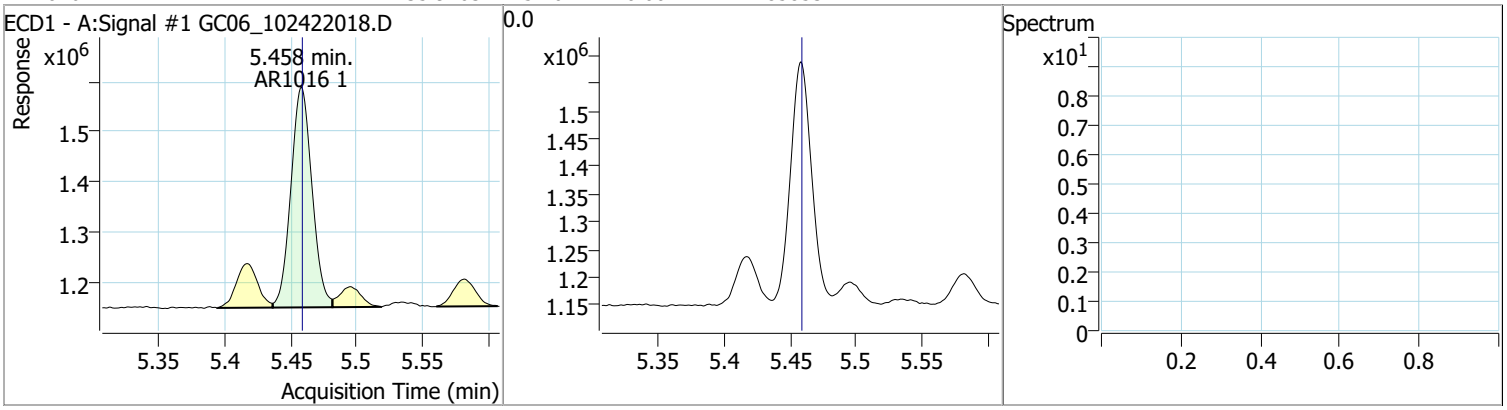
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	485852.867	435.9403	ng/ml		100
T AR1016 2	5.803	0.0	1068389.956	466.7356	ng/ml		100
T AR1016 1 #2	6.003	0.0	2046877.373	455.0453	ng/ml		100
T AR1016 3	6.283	0.0	1246552.904	441.1492	ng/ml		100
T AR1016 4	6.430	0.0	958287.349	445.8988	ng/ml		100
T AR1016 2 #2	6.448	0.0	2839339.245	437.2699	ng/ml	m	100
T AR1016 5	6.908	0.0	776873.262	448.7957	ng/ml		100
T AR1016 3 #2	7.033	0.0	5153170.052	436.7672	ng/ml		100
T AR1016 4 #2	7.223	0.0	3762341.264	446.6742	ng/ml		100
T AR1016 5 #2	7.965	0.0	3081651.312	450.0997	ng/ml		100
T AR1260 1	8.878	0.0	1535144.810	427.1323	ng/ml		100
T AR1260 2	9.338	0.0	2395142.001	437.2290	ng/ml		100
T AR1260 3	9.752	0.0	2465753.437	430.6459	ng/ml		100
T AR1260 1 #2	10.088	0.0	5518695.670	428.4678	ng/ml		100
T AR1260 4	10.218	0.0	1491017.295	477.5929	ng/ml		100
T AR1260 2 #2	10.342	0.0	6578337.875	425.0754	ng/ml		100
T AR1260 5	10.581	0.0	3129643.582	472.8847	ng/ml		100
T AR1260 3 #2	10.760	0.0	8315695.484	424.5121	ng/ml		100
T AR1260 4 #2	11.176	0.0	5439717.782	482.3064	ng/ml		100
T AR1260 5 #2	11.875	0.0	8037599.403	475.0785	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

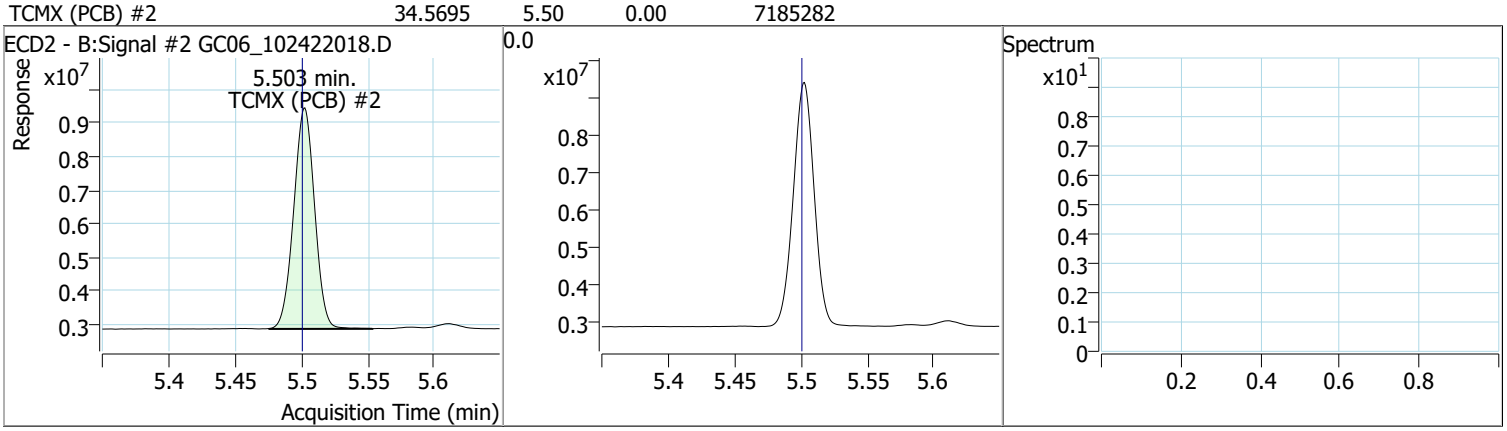
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	34.5376	5.10	0.00	1765140				



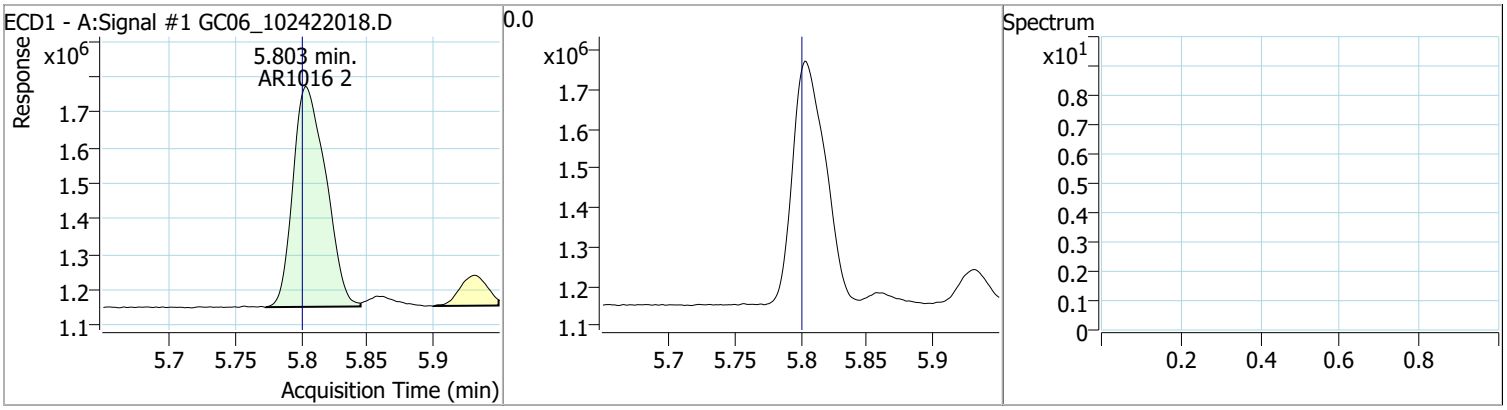
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	435.9403	5.46	0.00	485853				



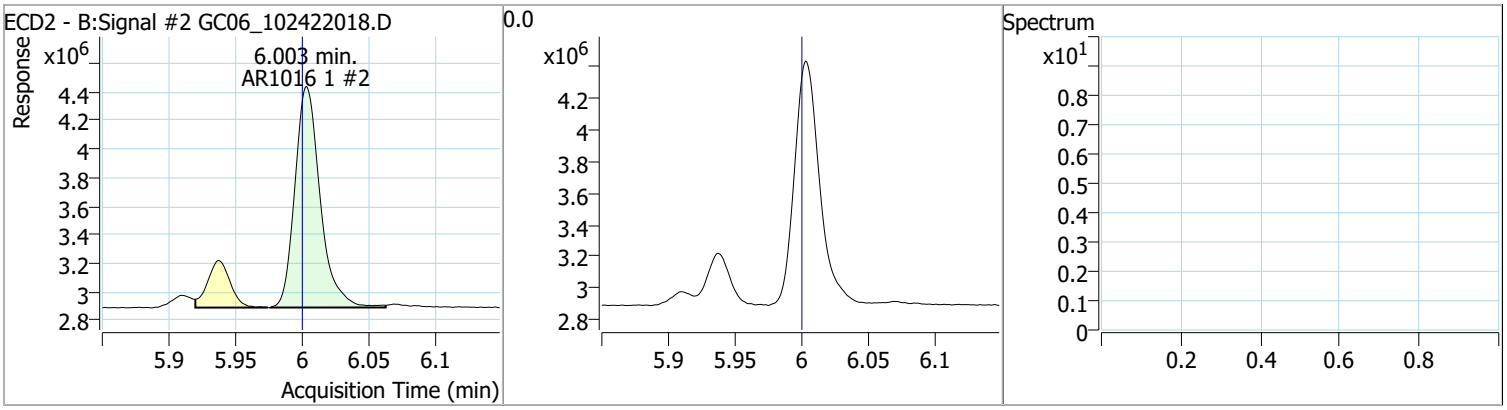
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.5695	5.50	0.00	7185282				



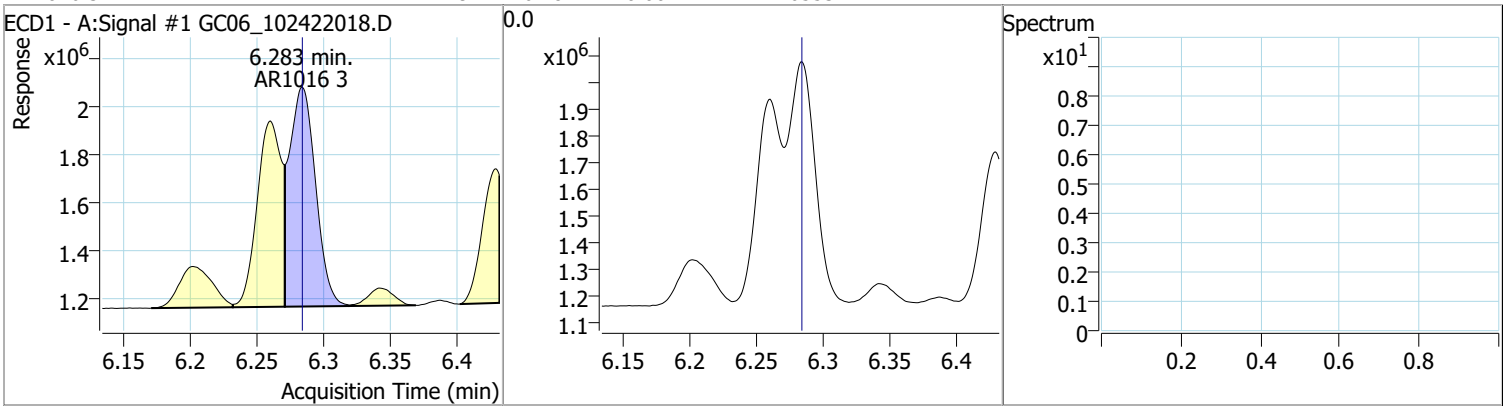
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	466.7356	5.80	0.00	1068390				



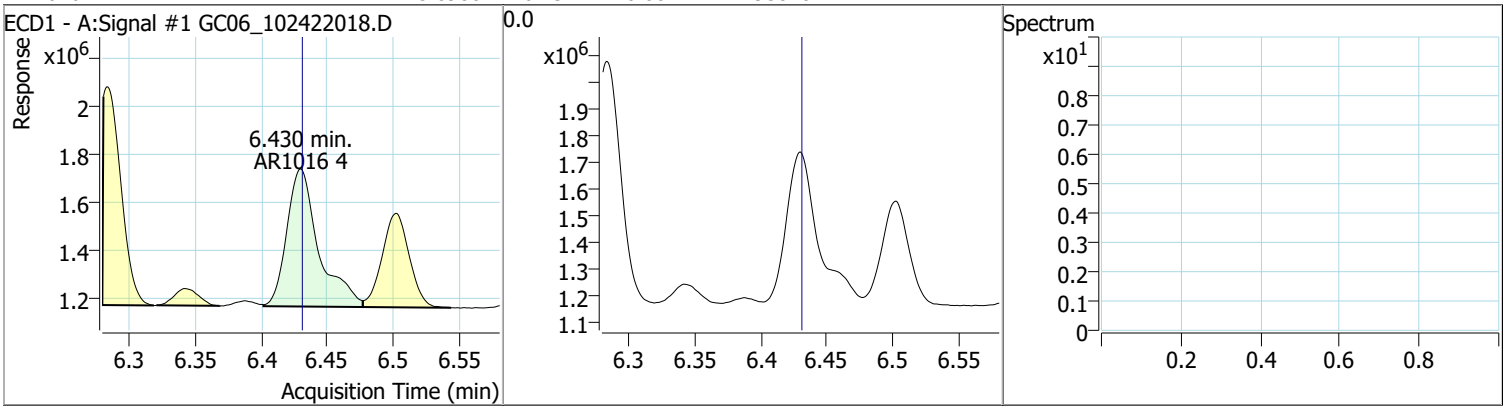
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	455.0453	6.00	0.00	2046877				



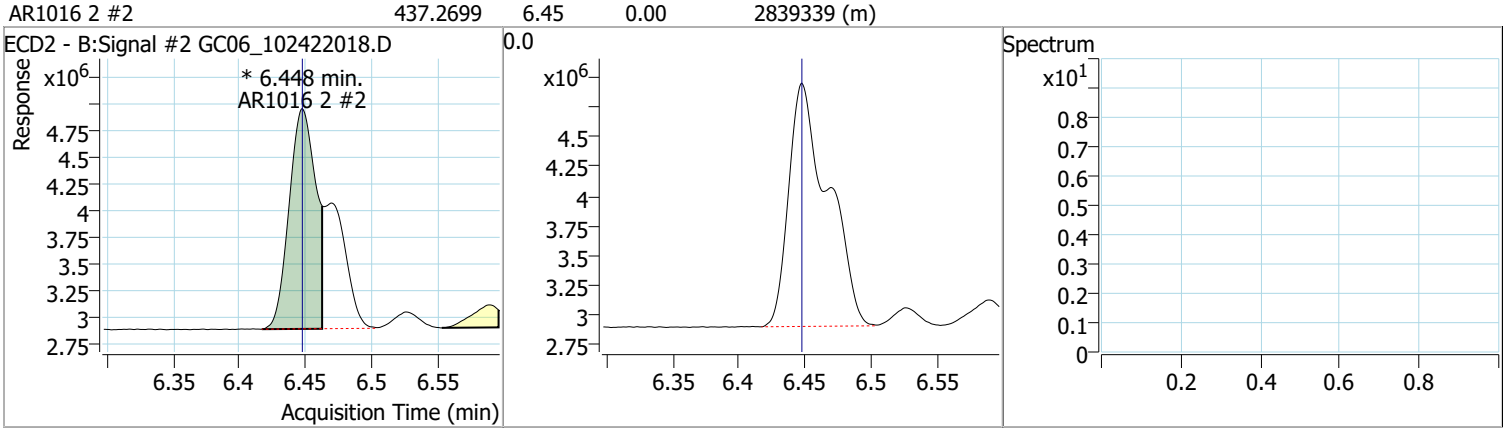
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	441.1492	6.28	0.00	1246553				



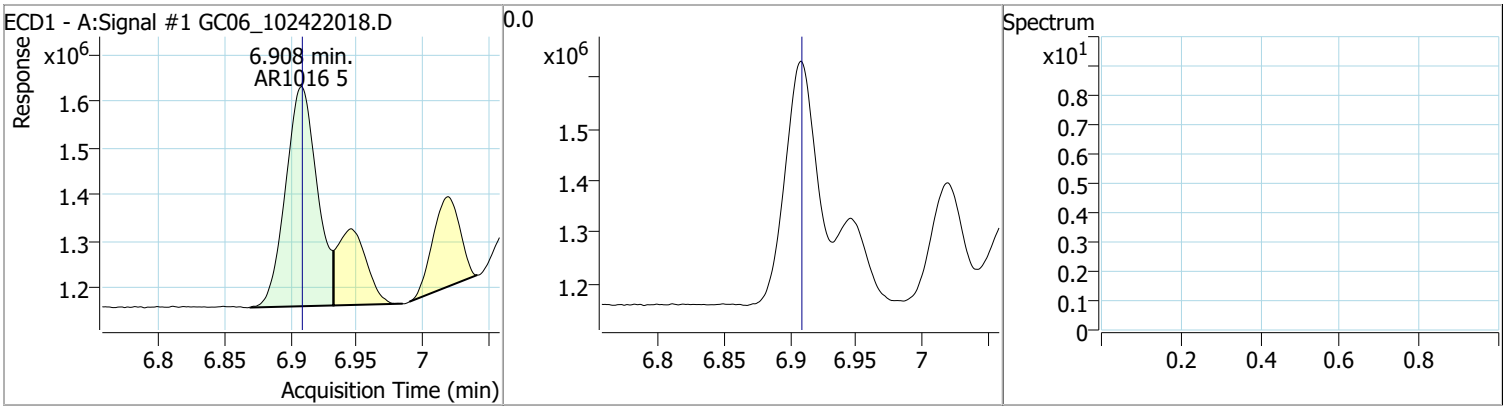
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	445.8988	6.43	0.00	958287				



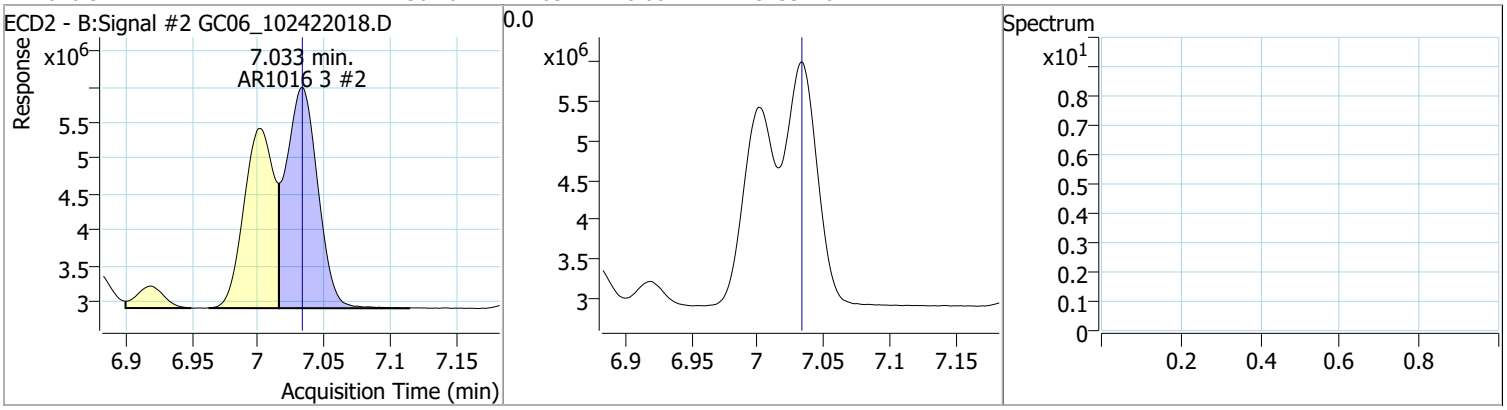
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	437.2699	6.45	0.00	2839339 (m)				



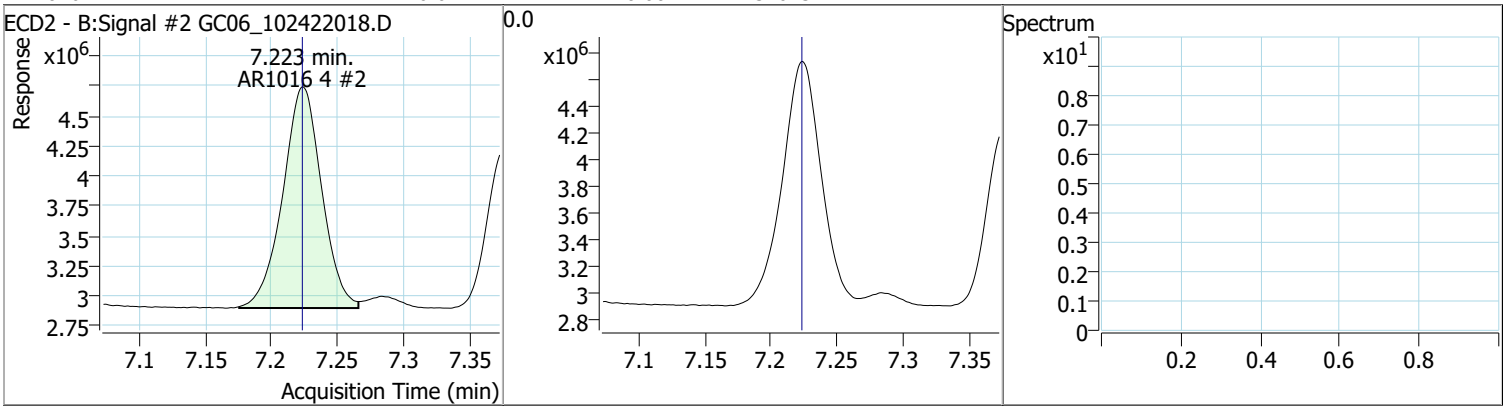
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	448.7957	6.91	0.00	776873				



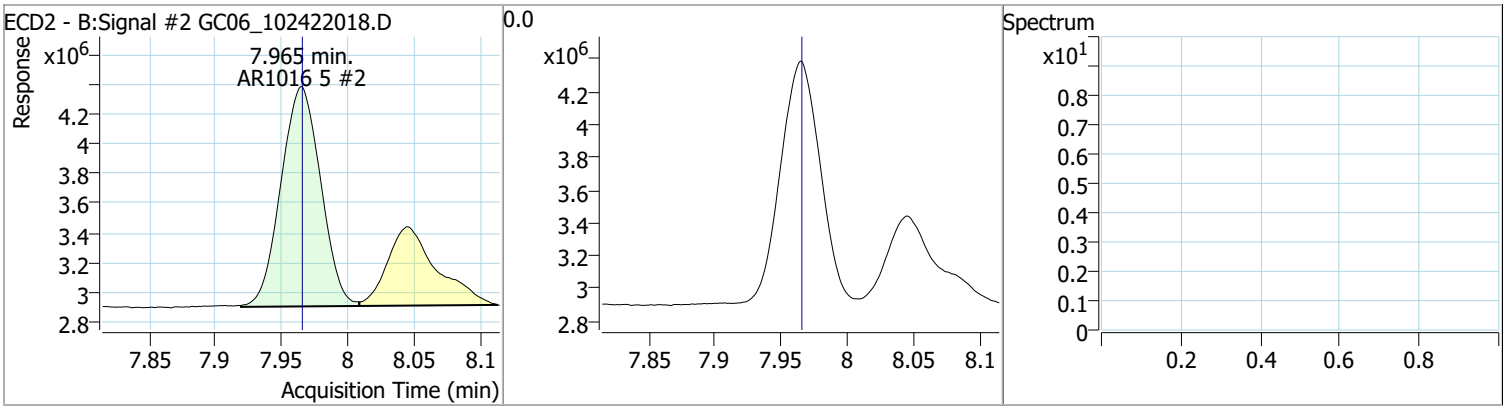
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	436.7672	7.03	0.00	5153170				



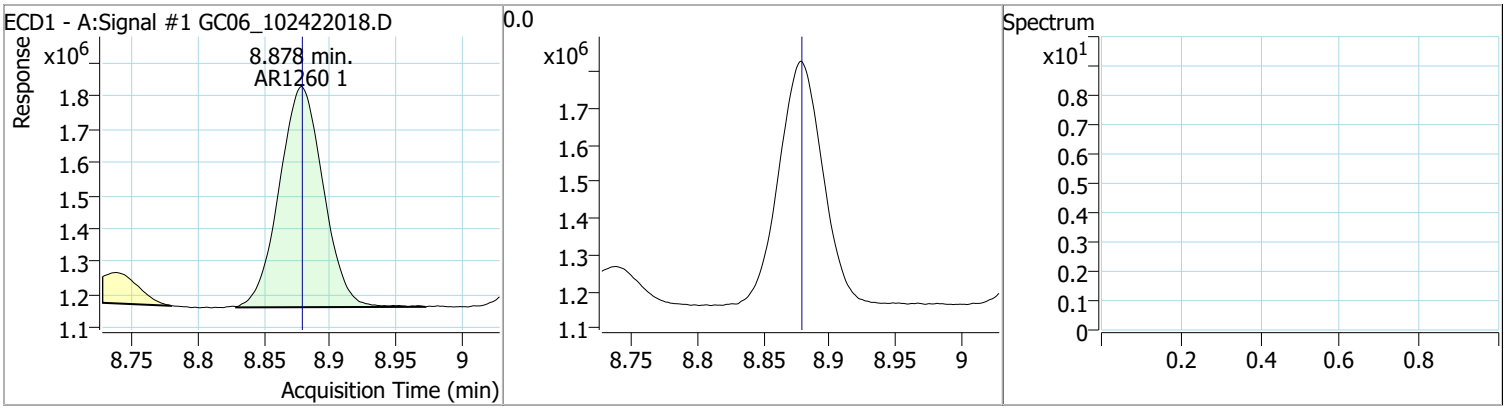
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AR1016 4 #2	446.6742	7.22	0.00	3762341				



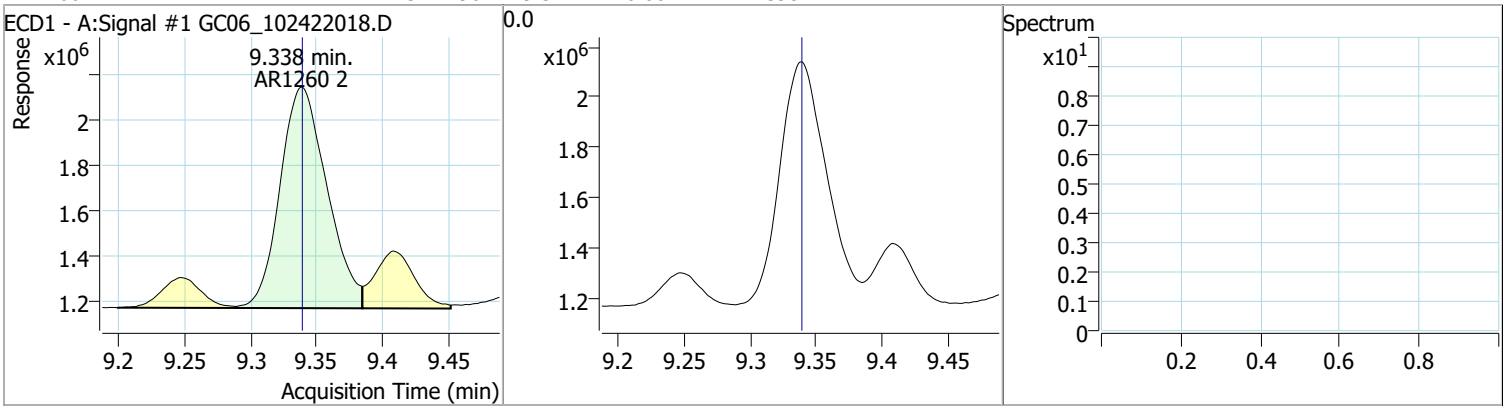
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	450.0997	7.97	0.00	3081651				



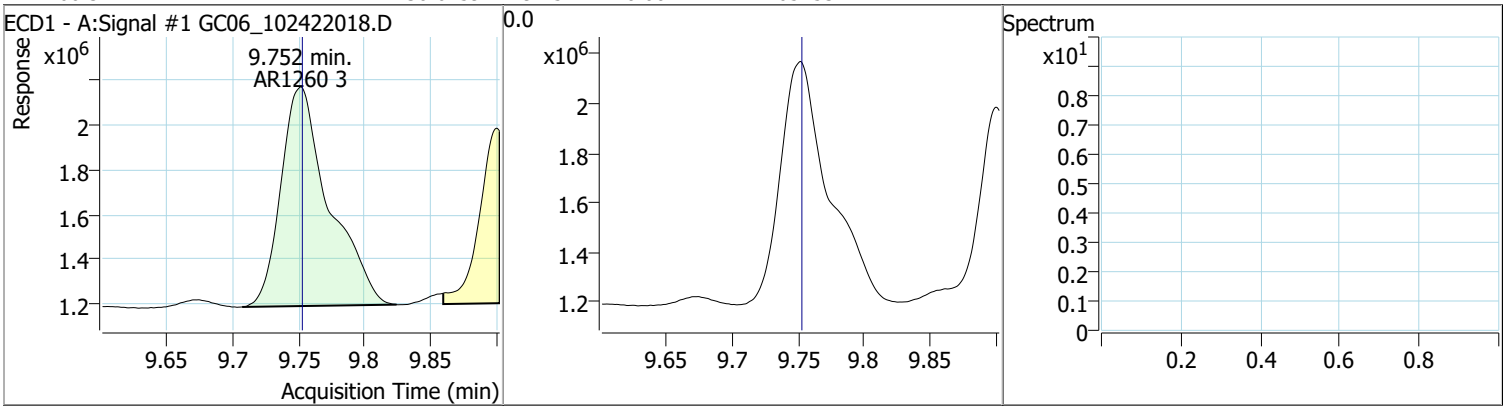
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	427.1323	8.88	0.00	1535145				



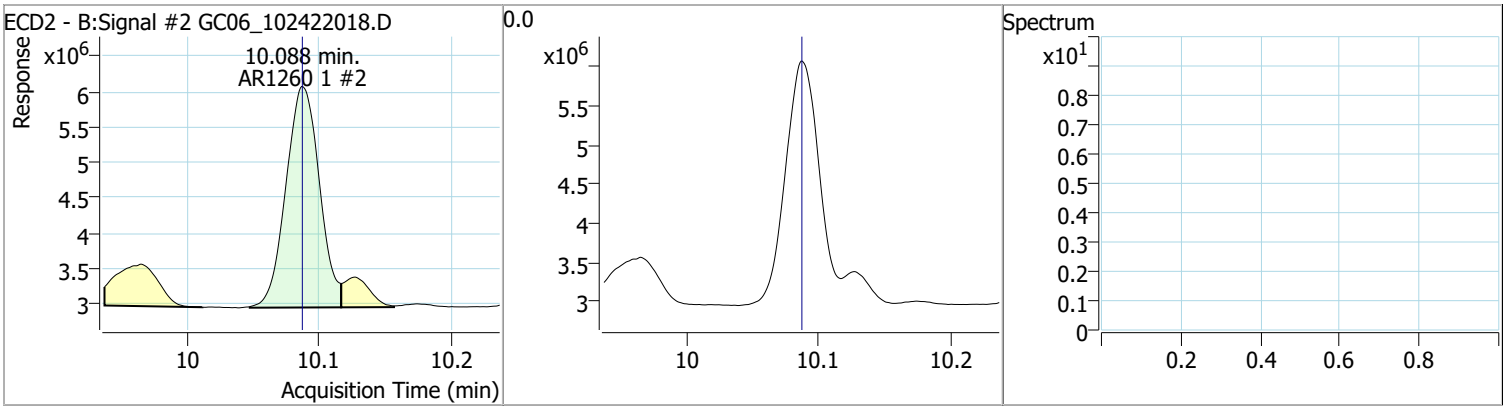
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	437.2290	9.34	0.00	2395142				



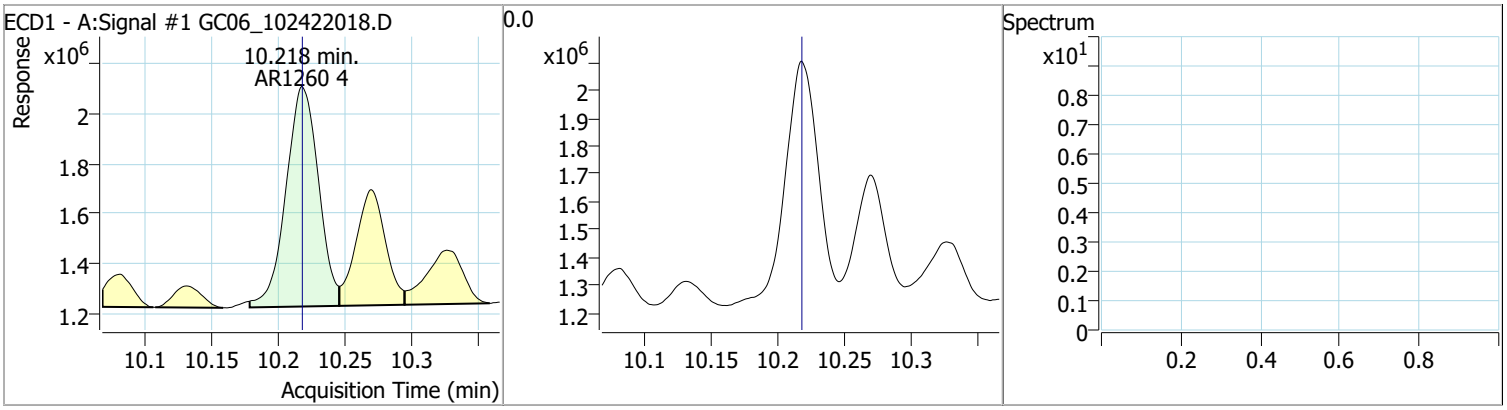
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	430.6459	9.75	0.00	2465753				



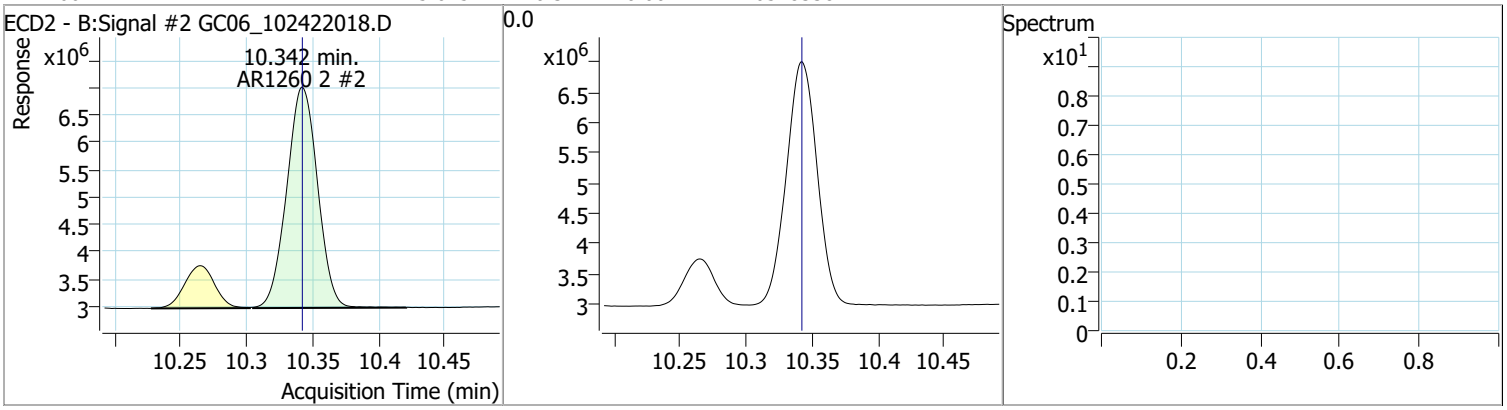
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	428.4678	10.09	0.00	5518696				



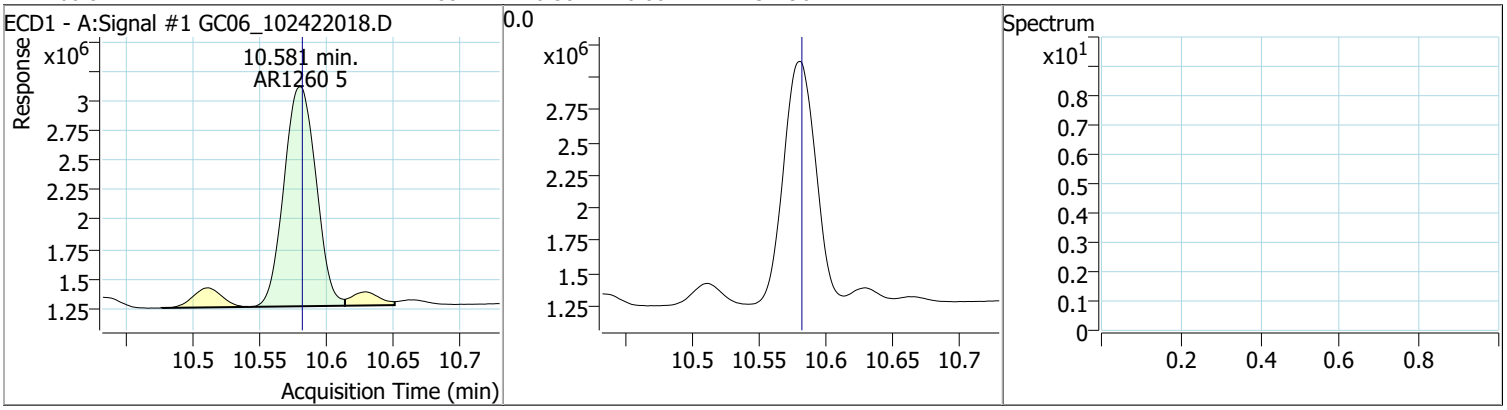
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	477.5929	10.22	0.00	1491017				



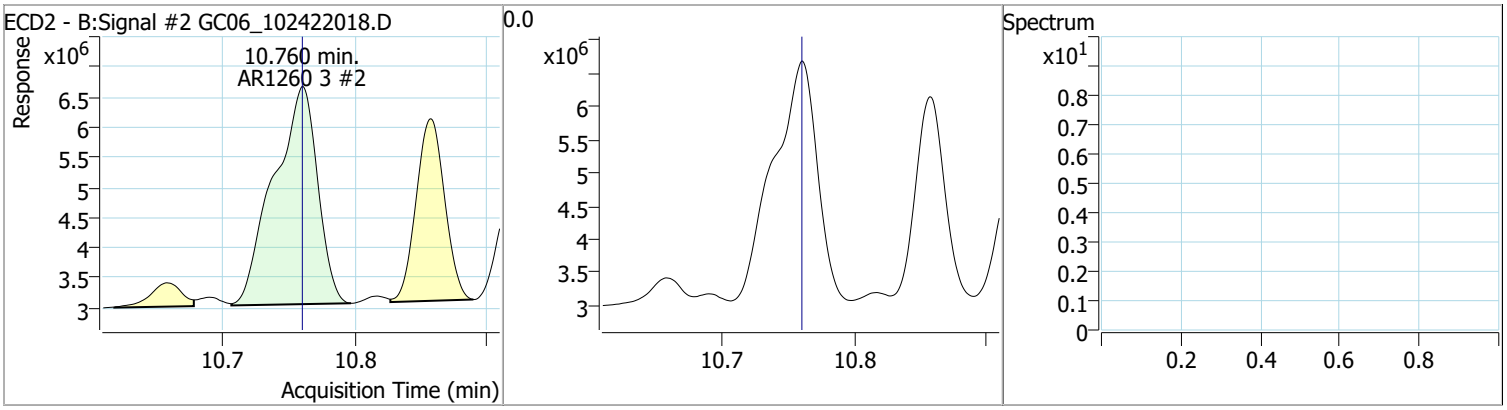
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	425.0754	10.34	0.00	6578338				



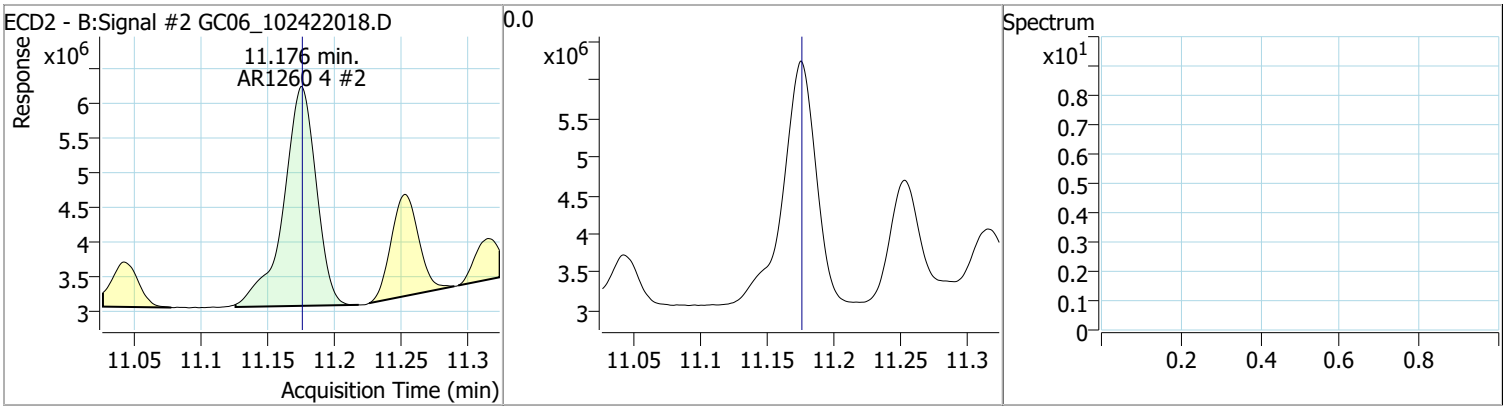
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	472.8847	10.58	0.00	3129644				



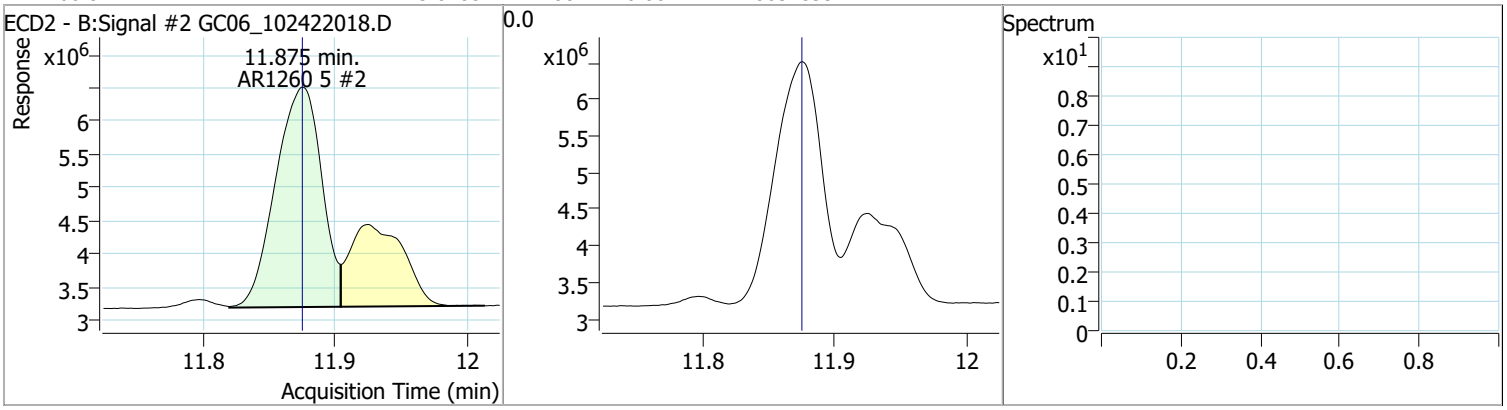
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	424.5121	10.76	0.00	8315695				



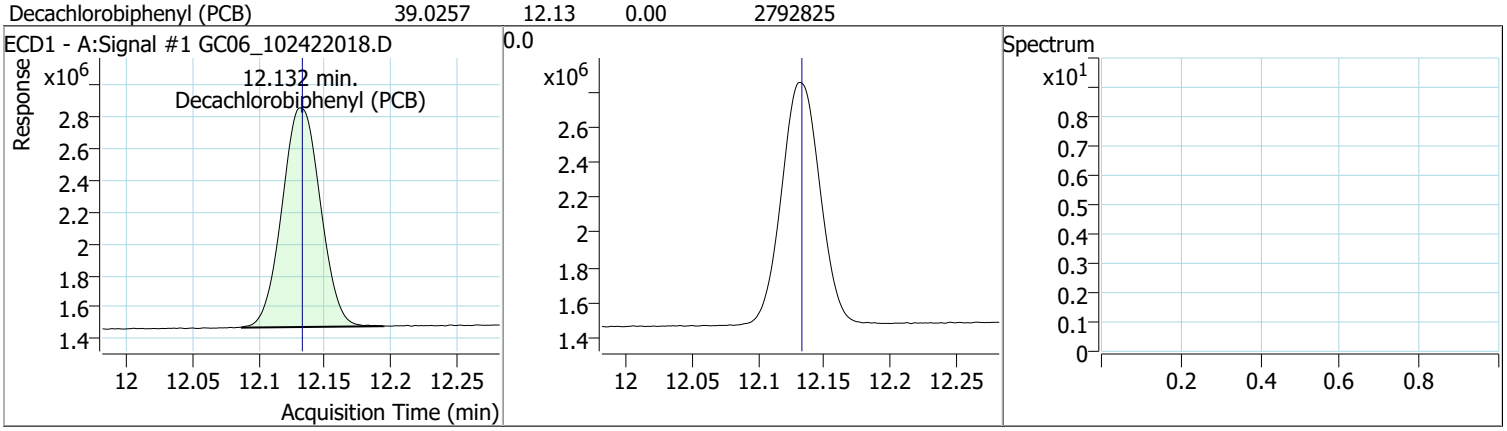
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	482.3064	11.18	0.00	5439718				



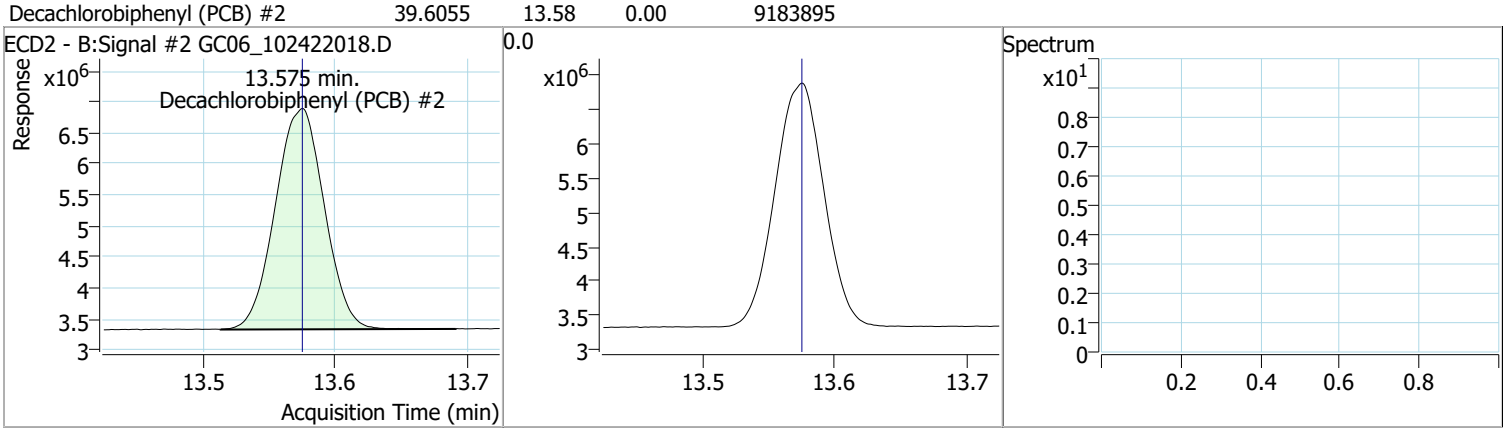
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	475.0785	11.88	0.00	8037599				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.0257	12.13	0.00	2792825				

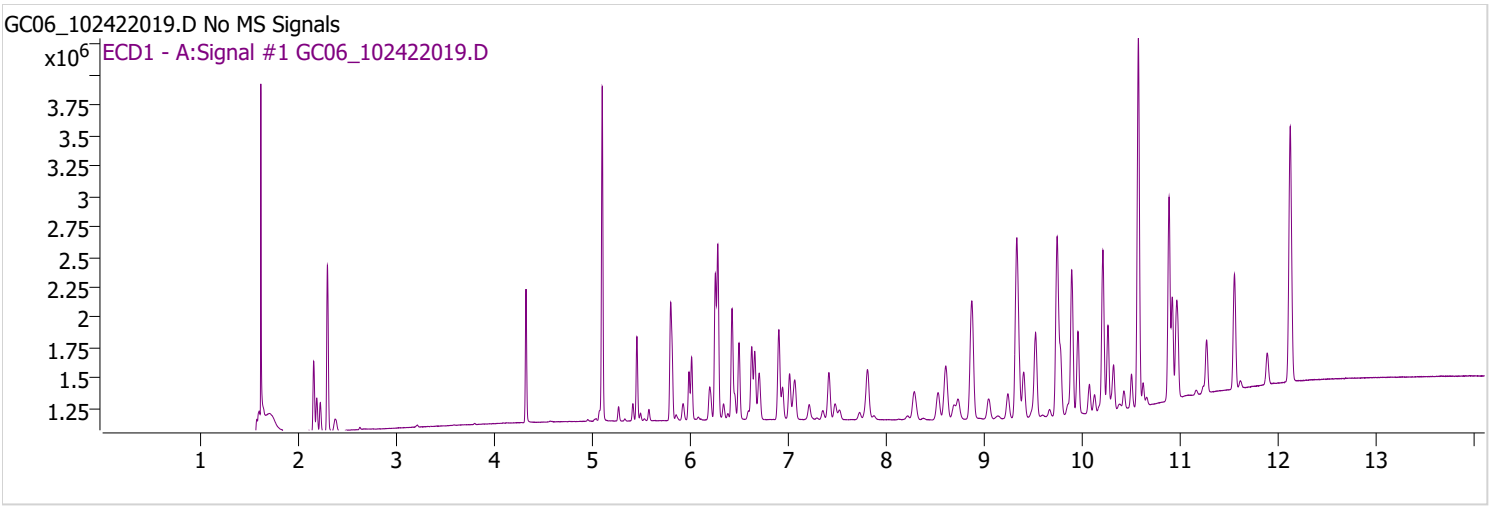


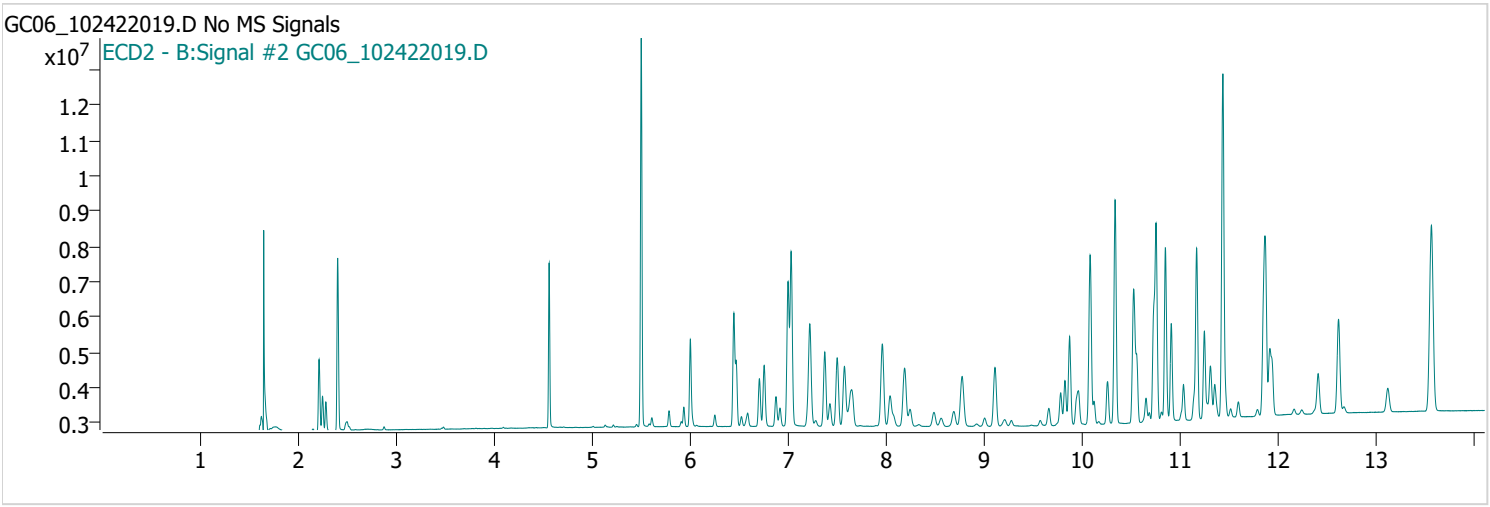
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	39.6055	13.58	0.00	9183895				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422019.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 6:55:57 PM
Sample Name	ICAL, S17268	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



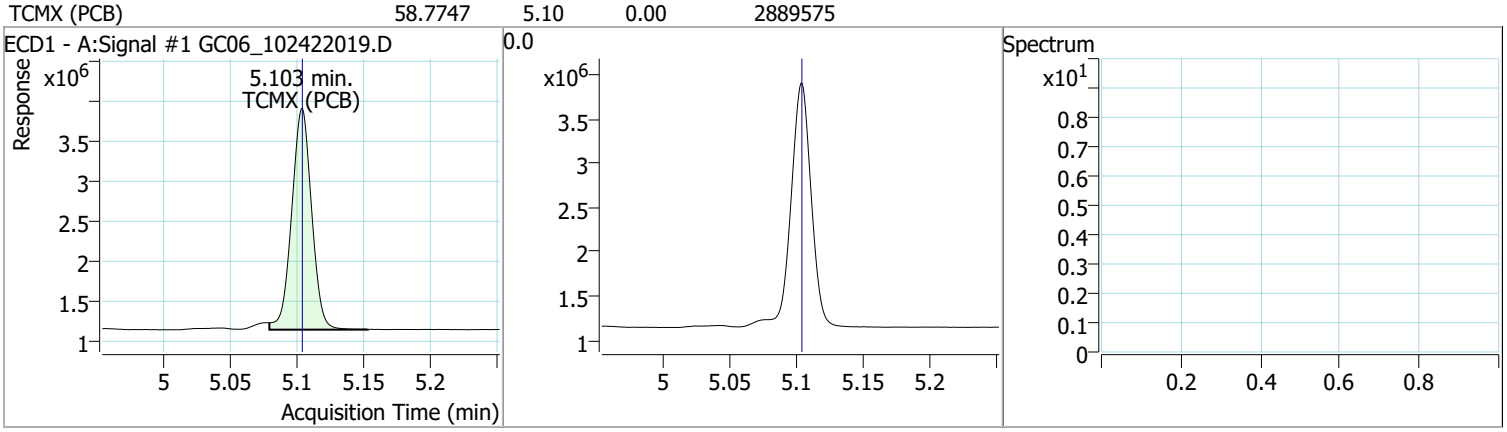


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1022576.576	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4174033.845	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	2889575.318	58.7747	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 293.87%		*	
S TCMX (PCB) #2	5.502	0.0	12018447.242	59.9555	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 299.78%		*	
S Decachlorobiphenyl (PCB)	12.131	0.0	4087132.062	61.6234	ng/ml	m	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 308.12%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	13554343.443	61.7298	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 308.65%		*	
Target Compounds							QValue

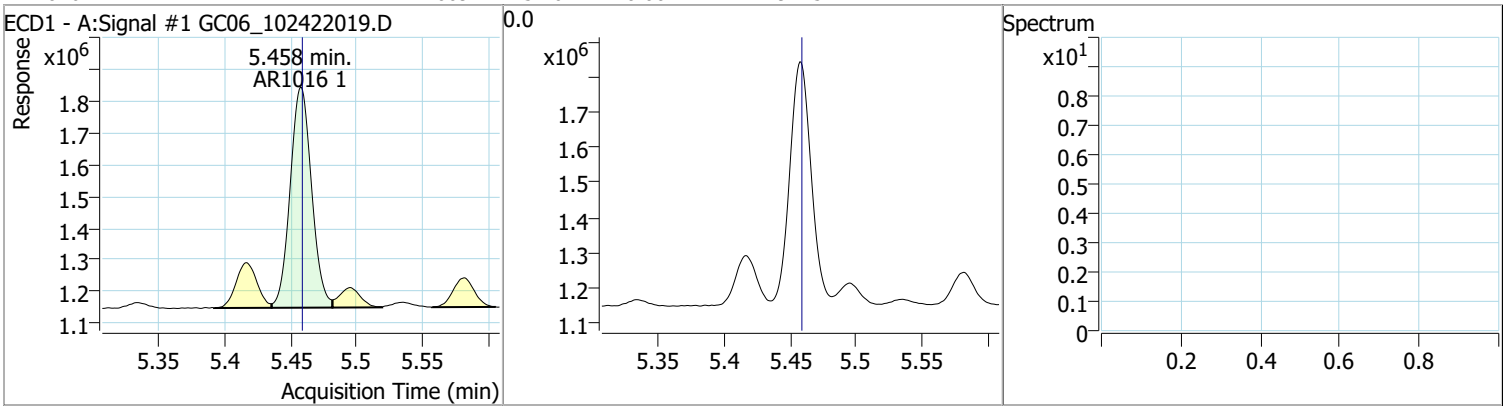
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	779425.049	727.0091	ng/ml		100
T AR1016 2	5.803	0.0	1697508.479	780.9261	ng/ml		100
T AR1016 1 #2	6.003	0.0	3250519.385	749.2846	ng/ml		100
T AR1016 3	6.284	0.0	1999248.159	735.5035	ng/ml		100
T AR1016 4	6.430	0.0	1529918.274	740.0346	ng/ml		100
T AR1016 2 #2	6.448	0.0	4584883.612	732.1361	ng/ml	m	100
T AR1016 5	6.908	0.0	1230110.661	738.7304	ng/ml		100
T AR1016 3 #2	7.033	0.0	8226702.311	722.9904	ng/ml		100
T AR1016 4 #2	7.223	0.0	5998163.664	738.3839	ng/ml		100
T AR1016 5 #2	7.964	0.0	4908449.359	743.3626	ng/ml		100
T AR1260 1	8.878	0.0	2377973.108	687.8018	ng/ml	m	100
T AR1260 2	9.338	0.0	3608366.991	684.7493	ng/ml		100
T AR1260 3	9.750	0.0	3823910.537	694.2591	ng/ml		100
T AR1260 1 #2	10.087	0.0	8619738.178	693.9161	ng/ml		100
T AR1260 4	10.218	0.0	2291687.481	772.3166	ng/ml		100
T AR1260 2 #2	10.342	0.0	10189046.973	682.6759	ng/ml		100
T AR1260 5	10.579	0.0	4841911.227	771.5470	ng/ml		100
T AR1260 3 #2	10.760	0.0	12934062.436	684.6327	ng/ml		100
T AR1260 4 #2	11.174	0.0	8435663.631	789.9076	ng/ml		100
T AR1260 5 #2	11.873	0.0	12366844.232	769.0388	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

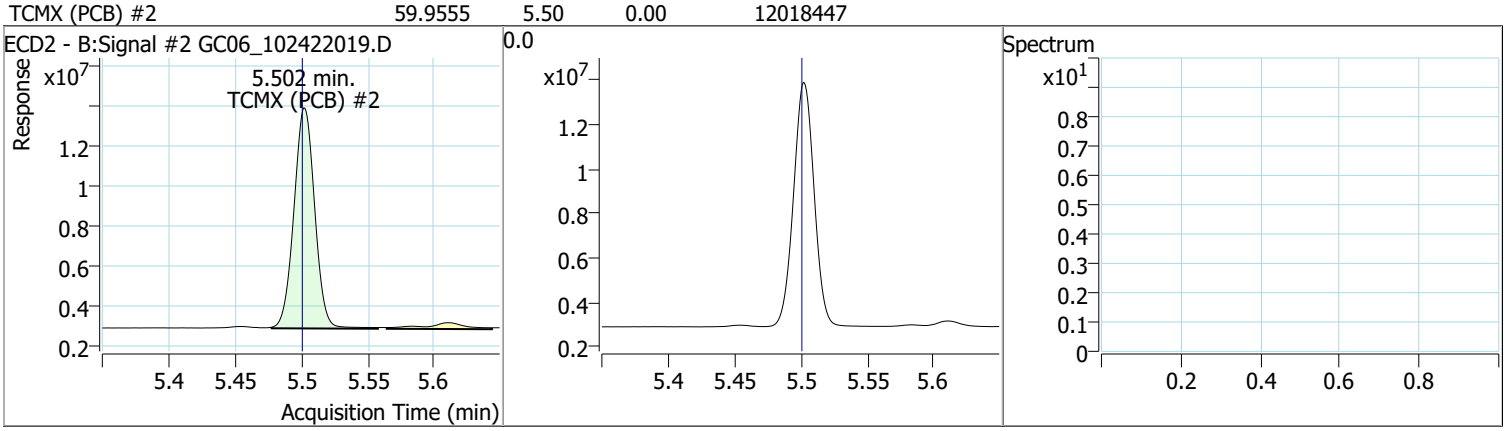
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	58.7747	5.10	0.00	2889575				



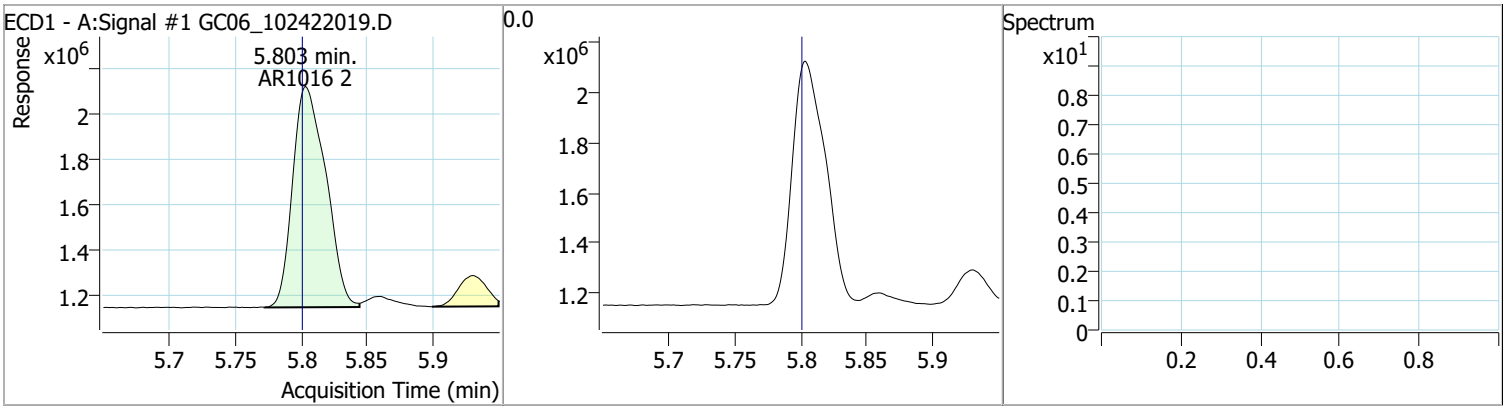
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	727.0091	5.46	0.00	779425				



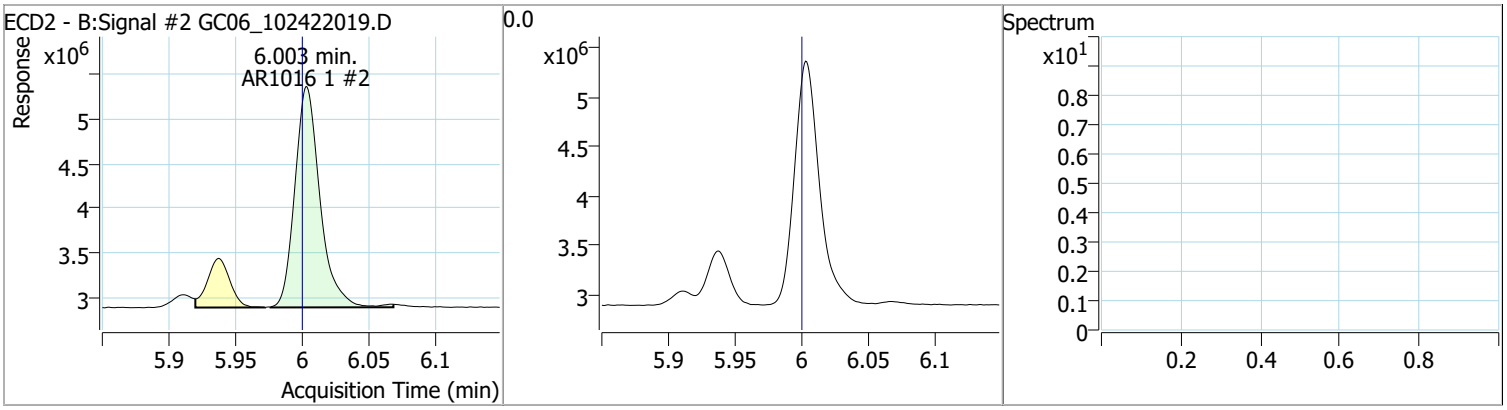
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	59.9555	5.50	0.00	12018447				



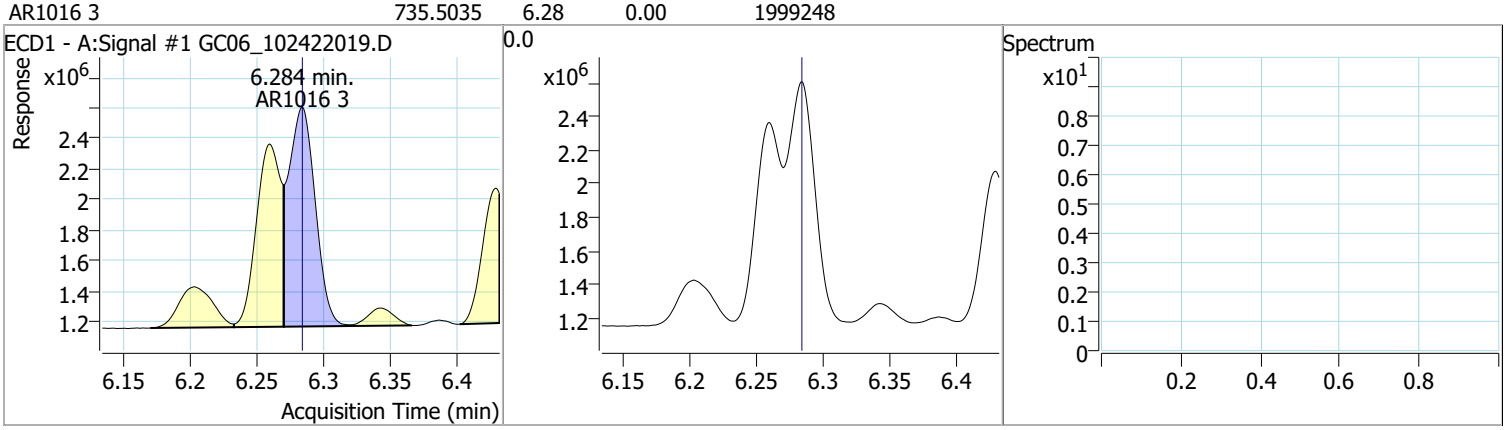
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	780.9261	5.80	0.00	1697508				



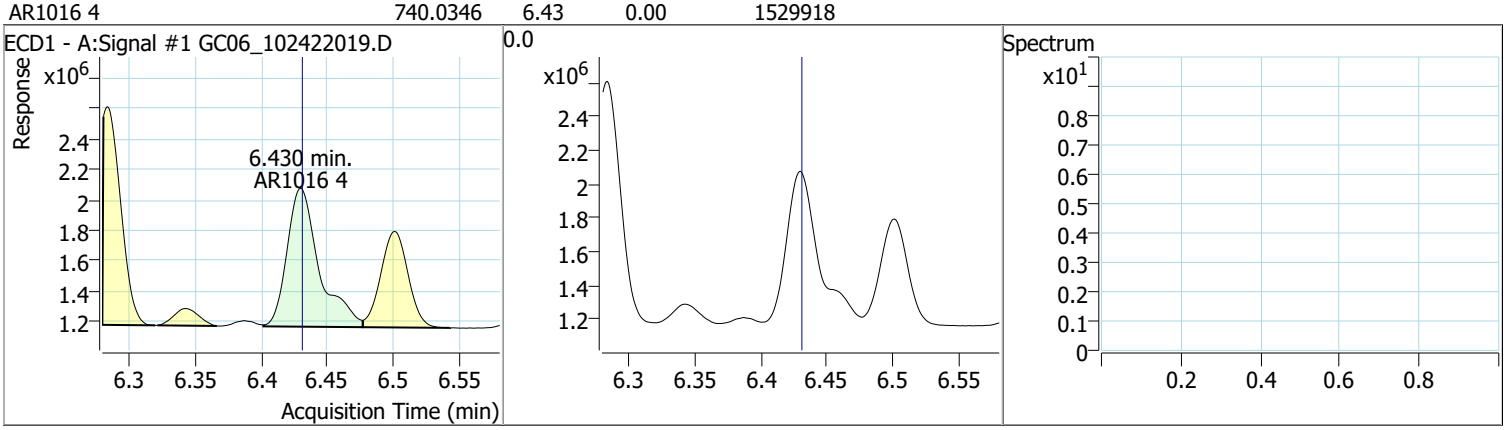
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	749.2846	6.00	0.00	3250519				



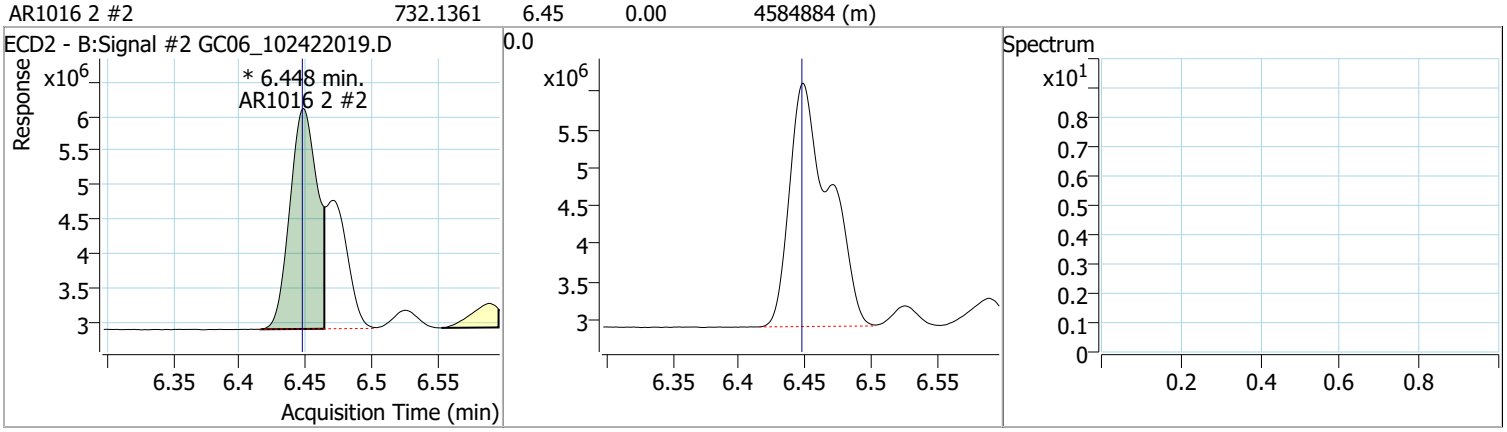
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	735.5035	6.28	0.00	1999248				



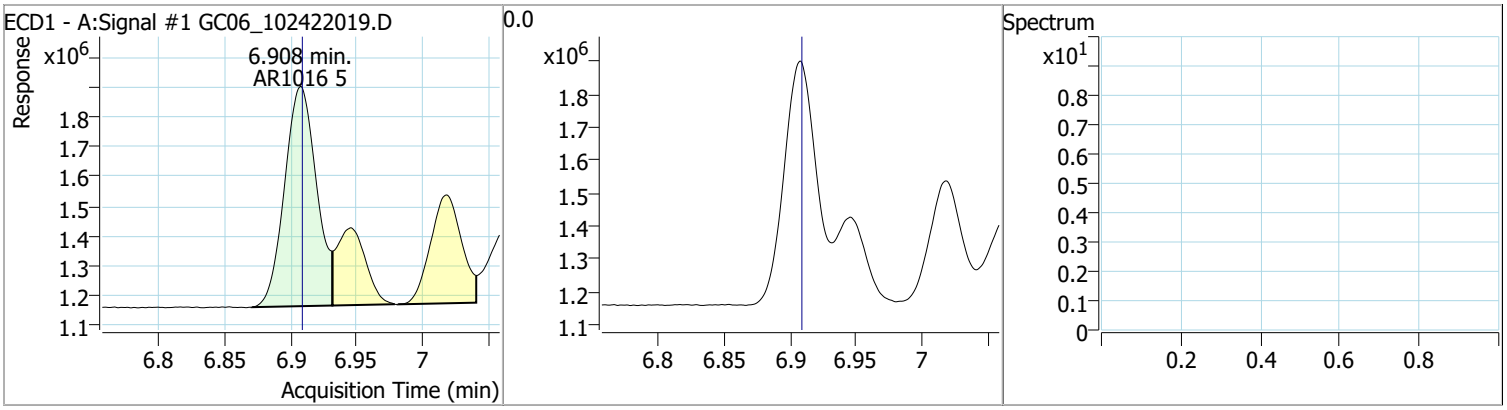
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	740.0346	6.43	0.00	1529918				



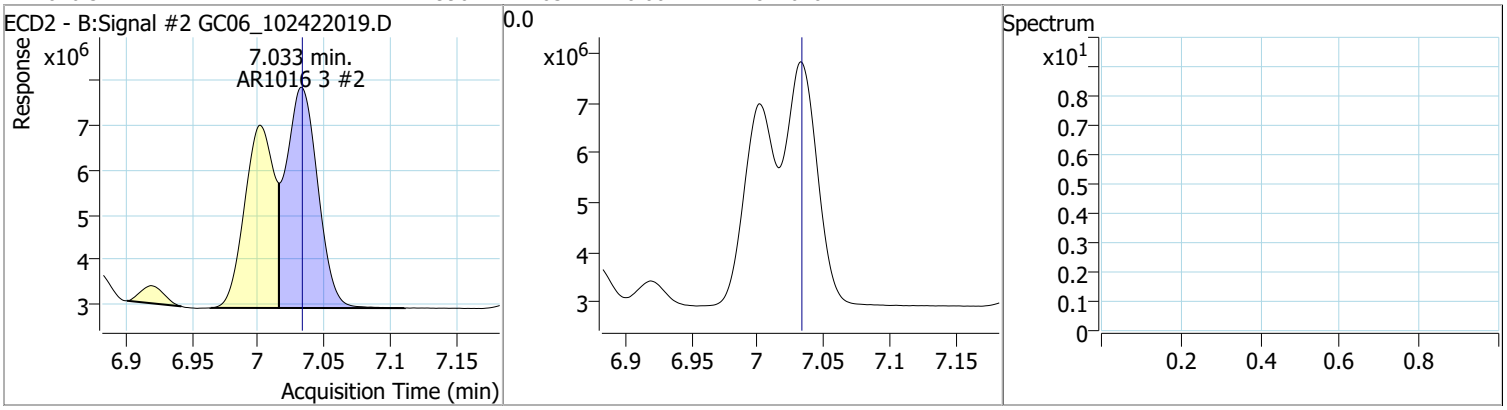
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	732.1361	6.45	0.00	4584884 (m)				



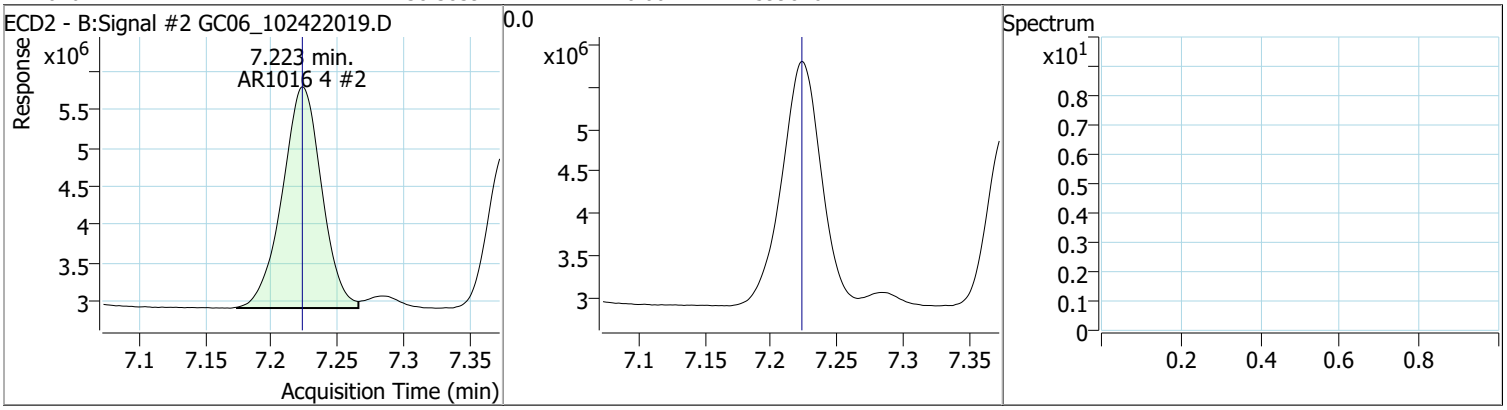
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	738.7304	6.91	0.00	1230111				



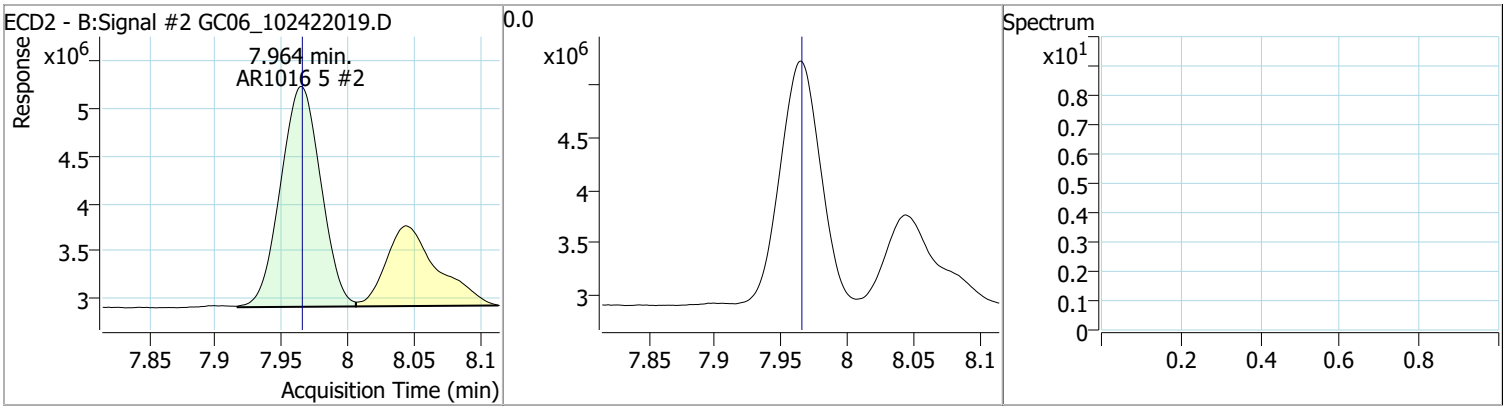
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	722.9904	7.03	0.00	8226702				



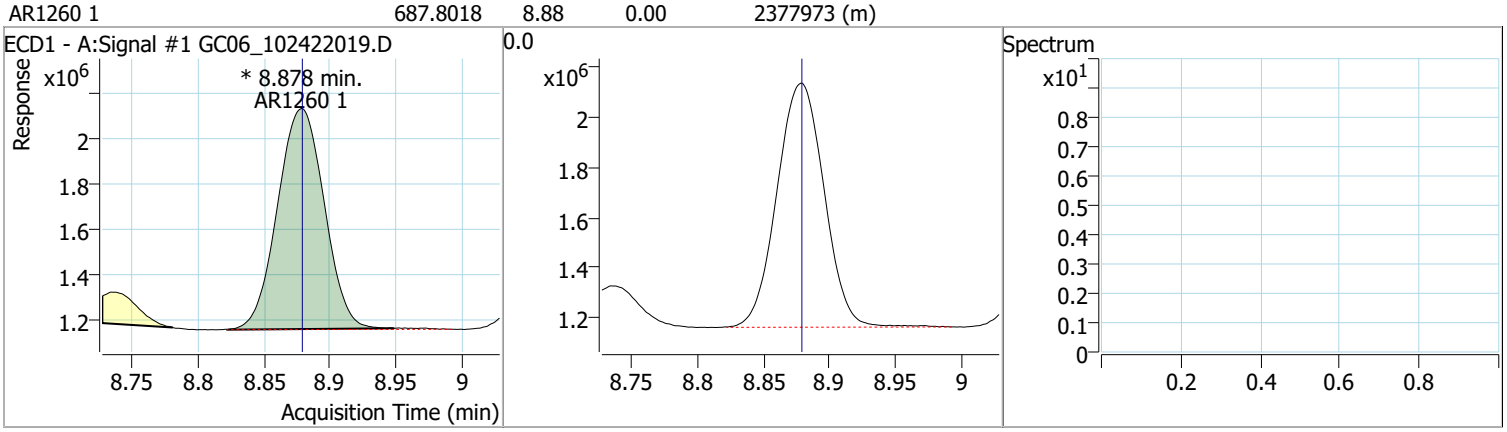
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	738.3839	7.22	0.00	5998164				



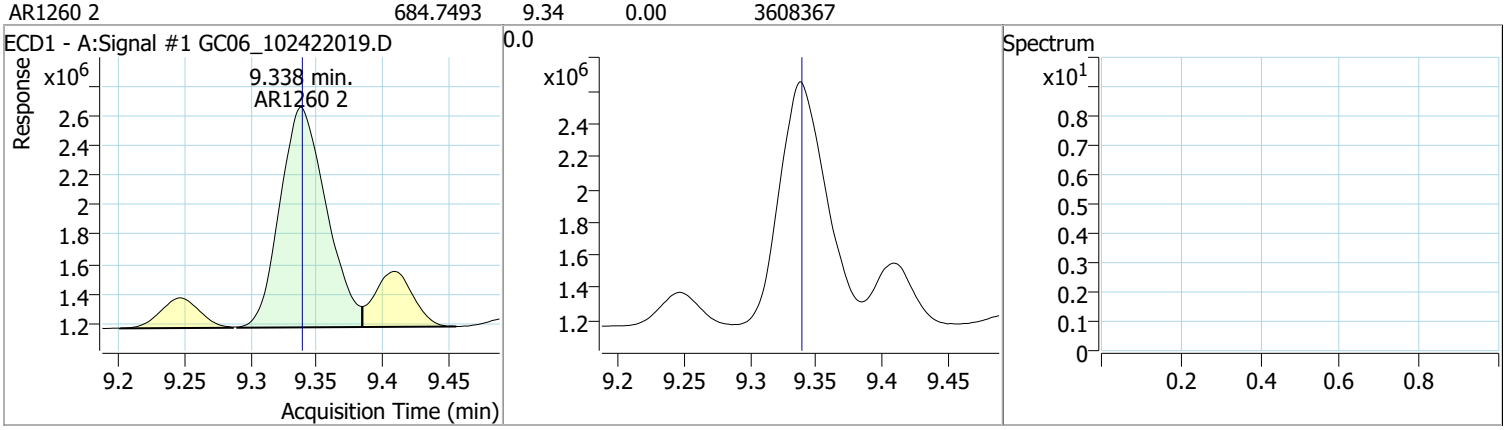
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	743.3626	7.96	0.00	4908449				



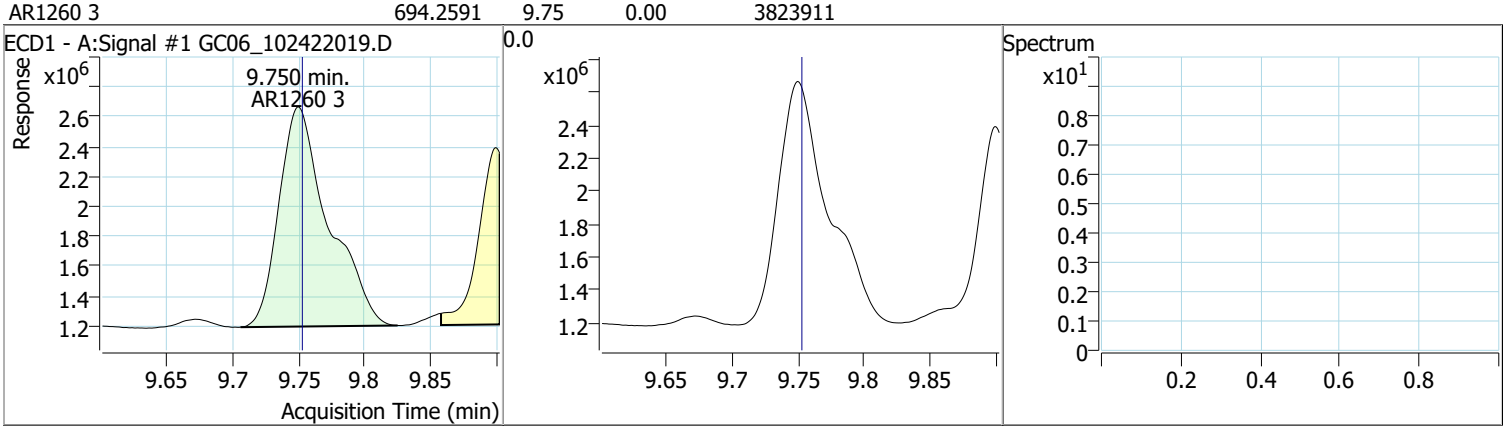
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	687.8018	8.88	0.00	2377973 (m)				



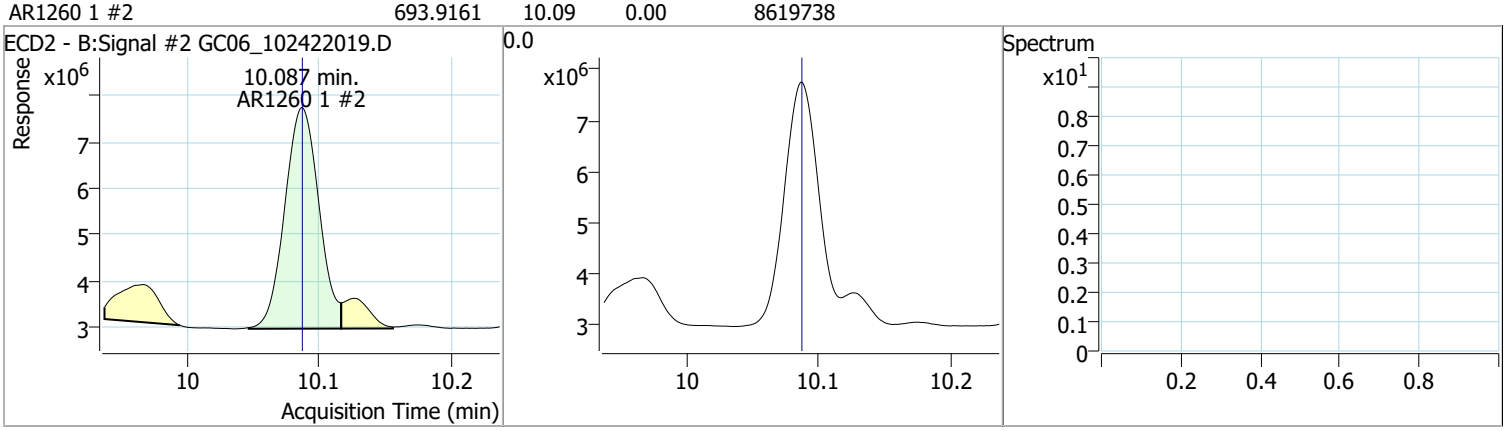
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	684.7493	9.34	0.00	3608367				



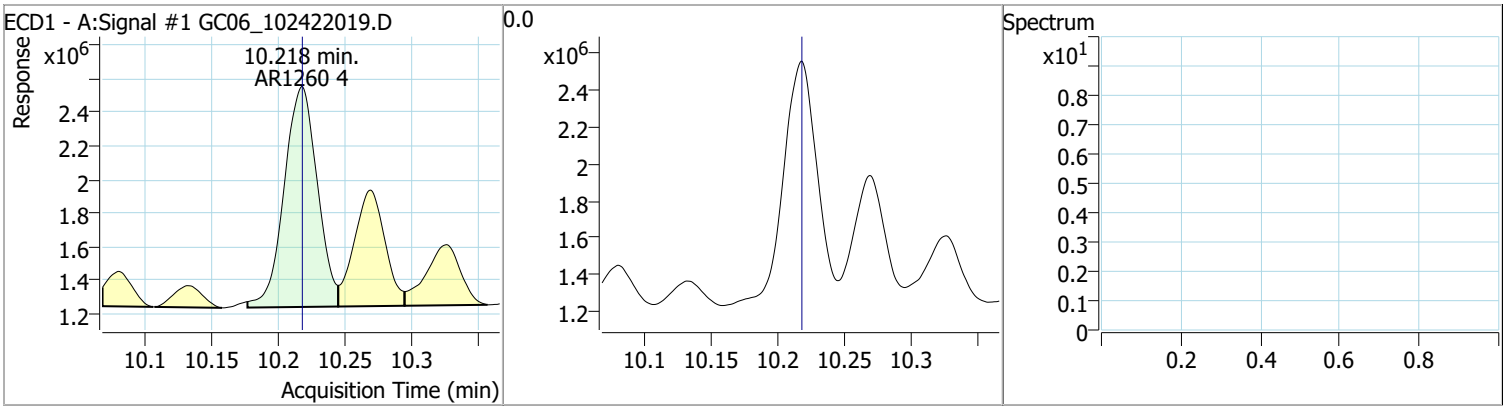
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	694.2591	9.75	0.00	3823911				



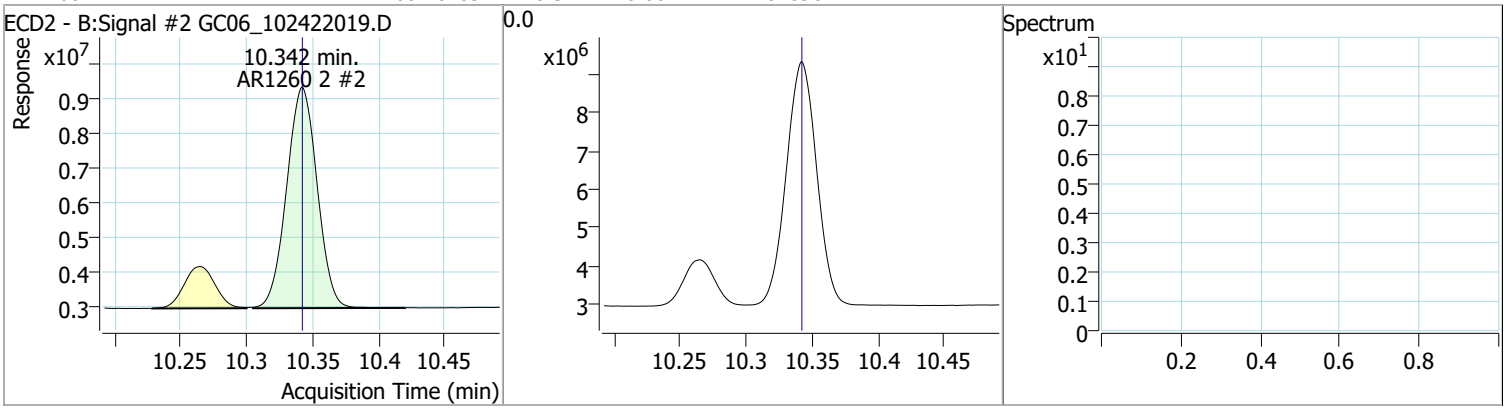
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	693.9161	10.09	0.00	8619738				



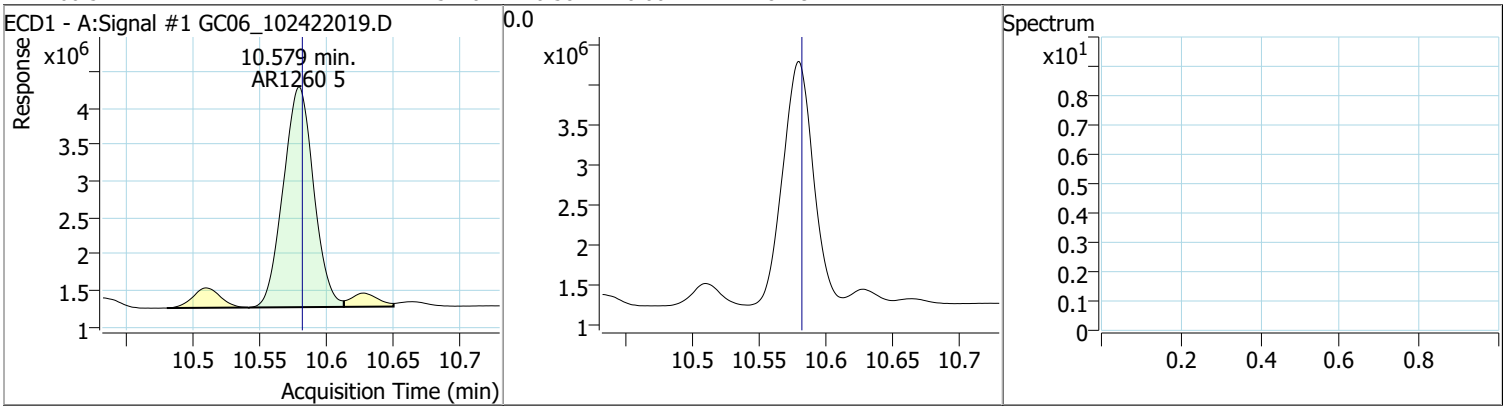
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	772.3166	10.22	0.00	2291687				



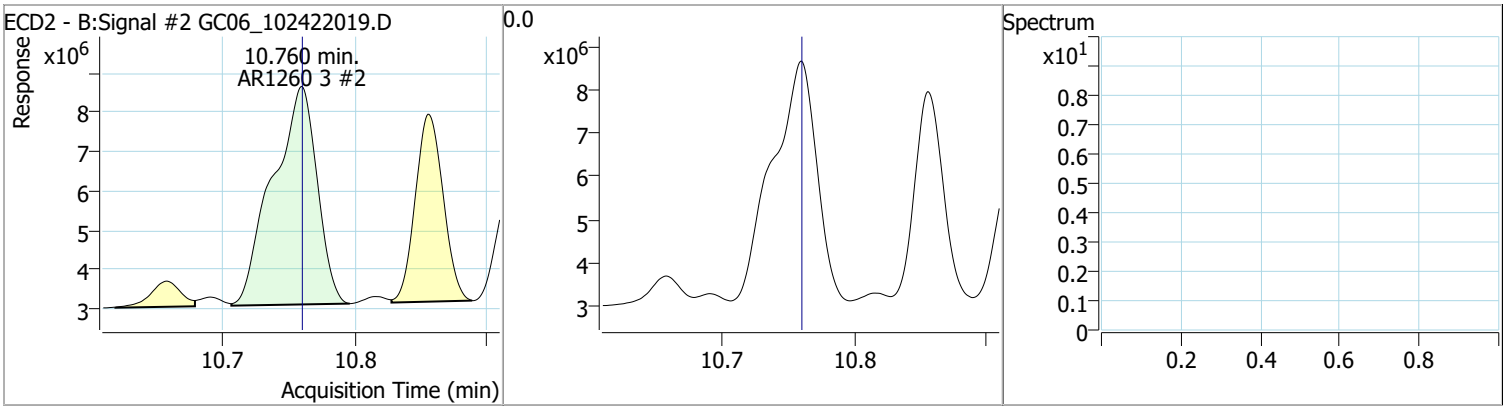
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	682.6759	10.34	0.00	10189047				



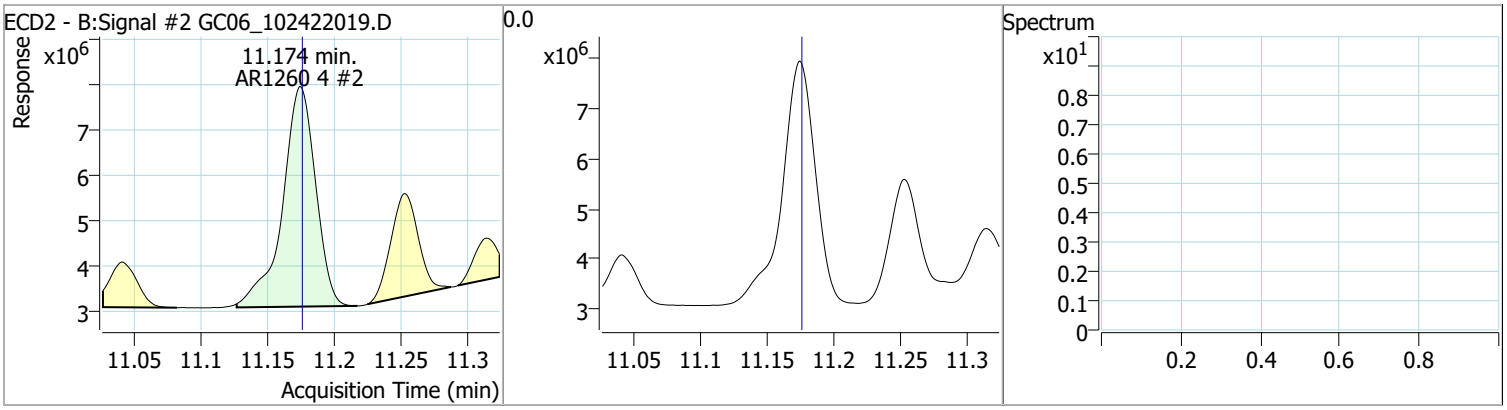
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	771.5470	10.58	0.00	4841911				



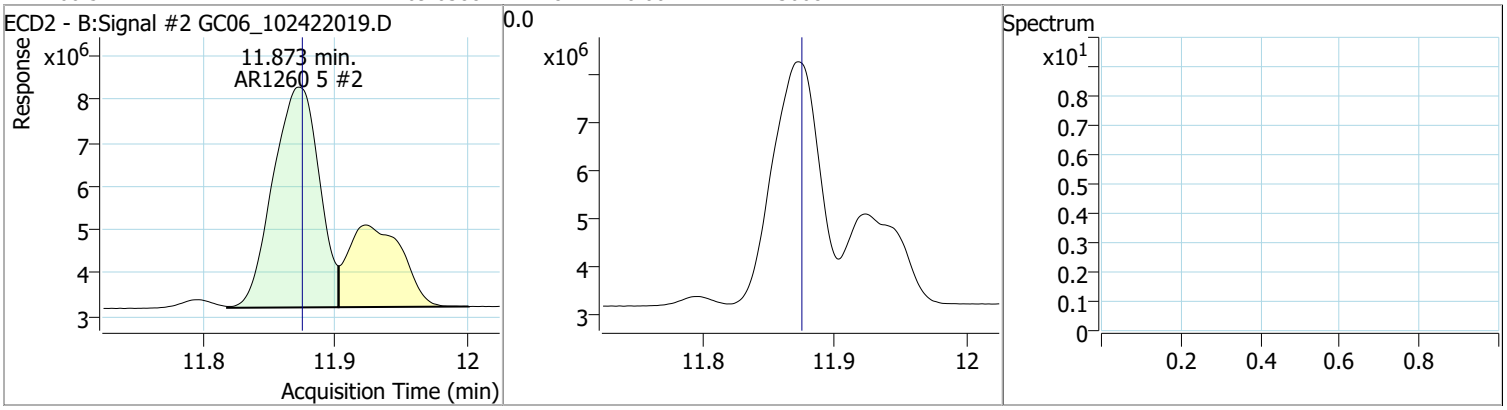
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	684.6327	10.76	0.00	12934062				



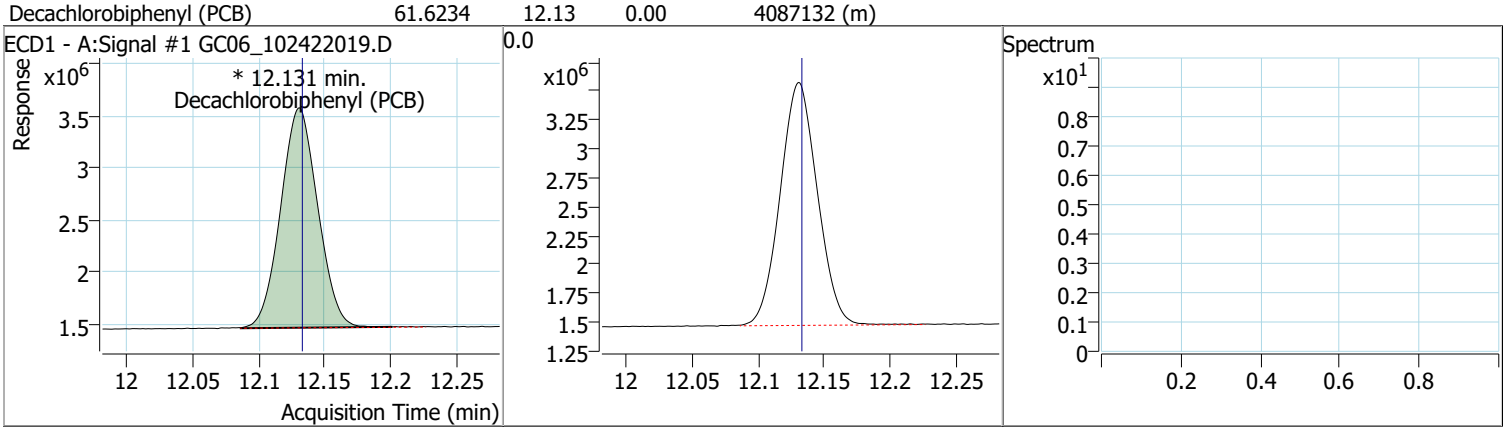
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	789.9076	11.17	0.00	8435664				



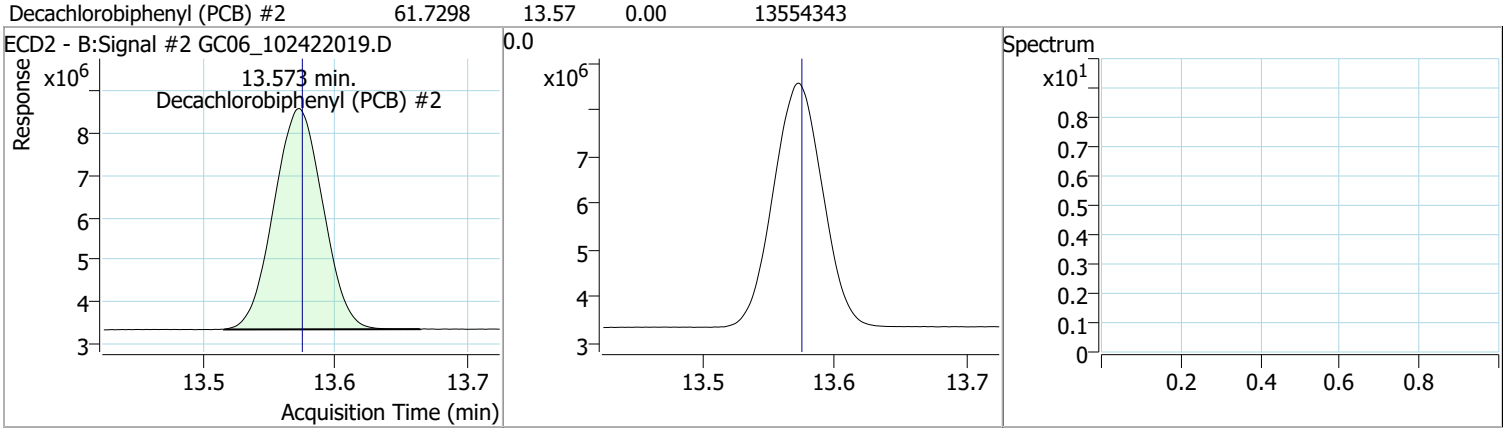
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	769.0388	11.87	0.00	12366844				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	61.6234	12.13	0.00	4087132 (m)				

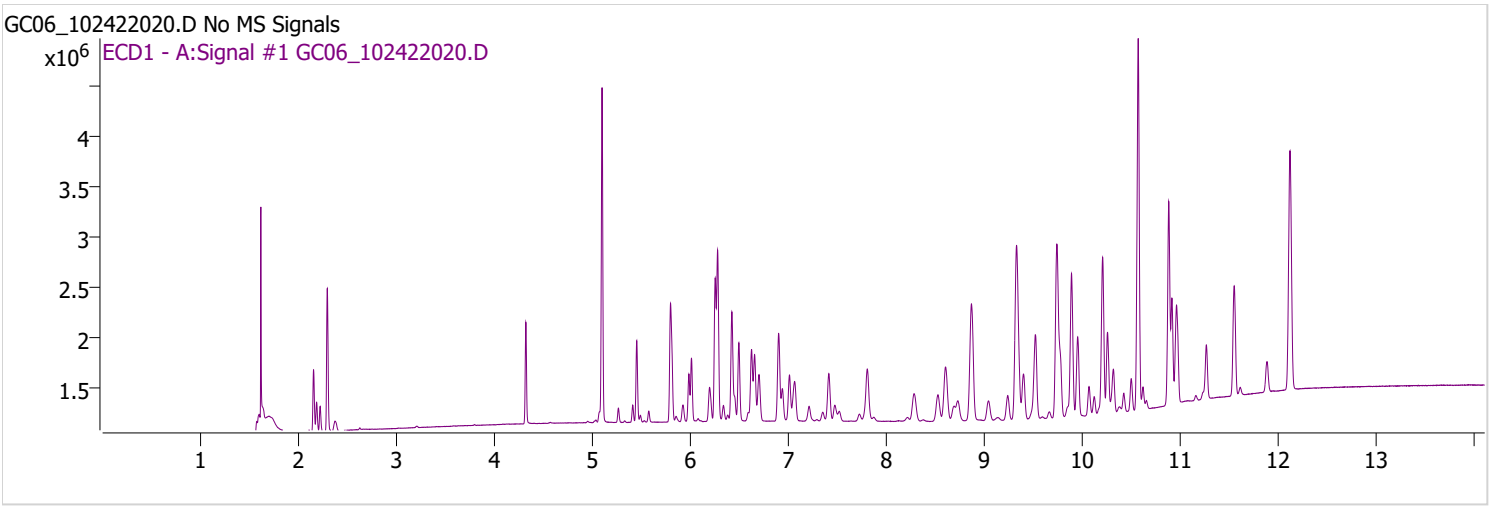


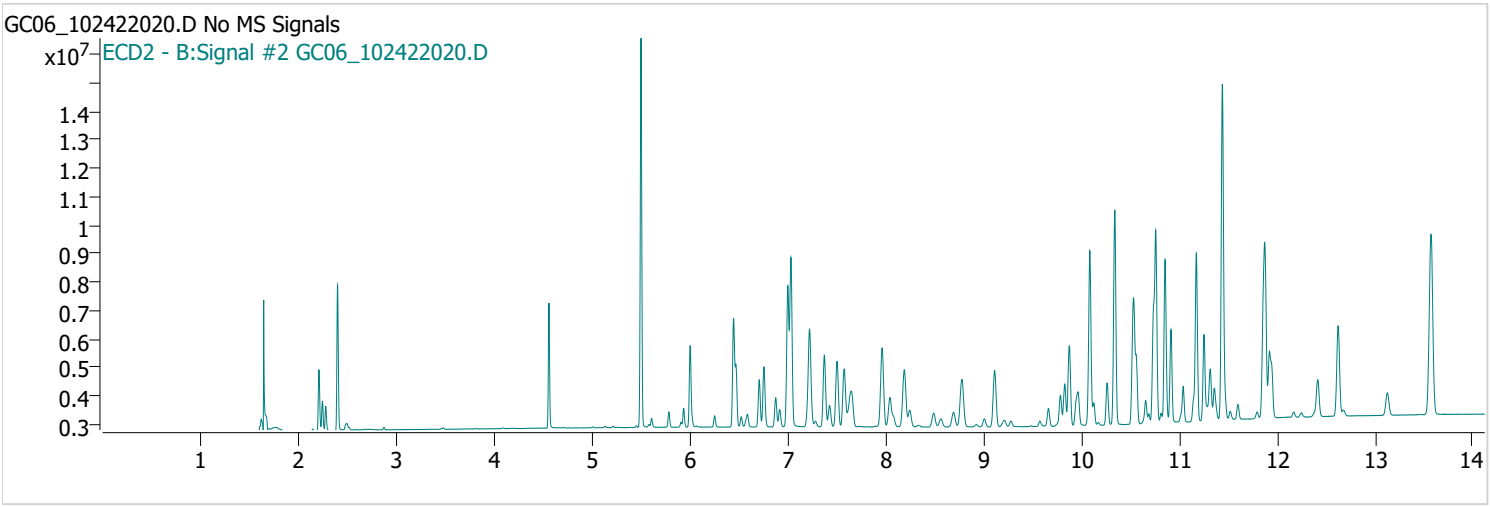
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	61.7298	13.57	0.00	13554343				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422020.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:13:45 PM
Sample Name	ICAL, S17269	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



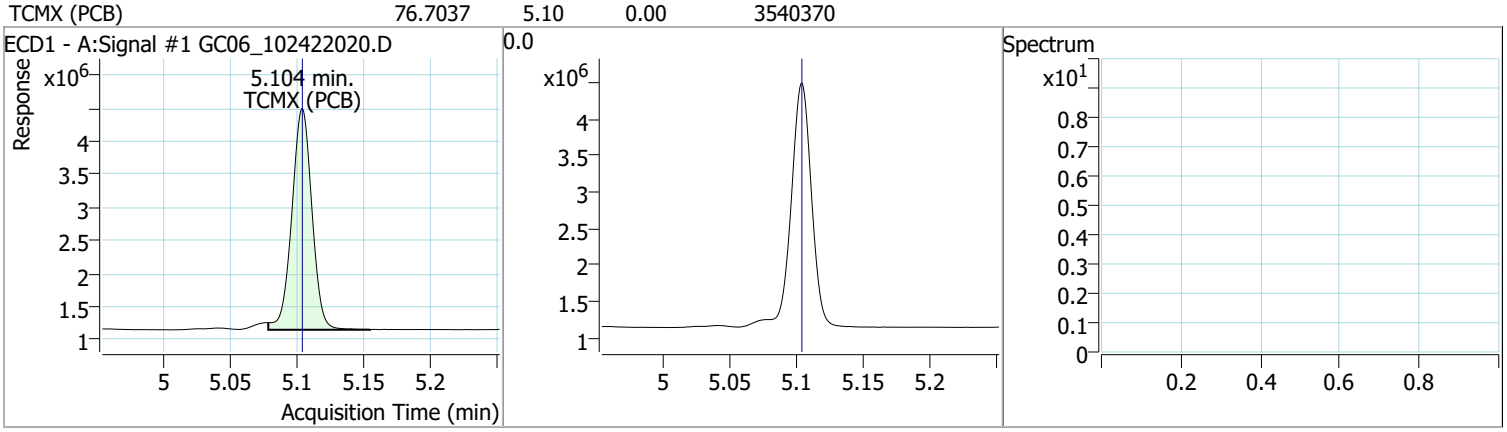


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	960028.285	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	3904924.024	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.104	0.0	3540369.739	76.7037	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 383.52%		*	
S TCMX (PCB) #2	5.502	0.0	14570076.912	77.6938	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 388.47%		*	
S Decachlorobiphenyl (PCB)	12.133	0.0	4873910.282	79.4415	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 397.21%		*	
S Decachlorobiphenyl (PCB) #2	13.574	0.0	16104085.280	78.9669	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 394.83%		*	
Target Compounds							**QValue**
T AR1016 1	5.458	0.0	943433.395	937.3214	ng/ml		100

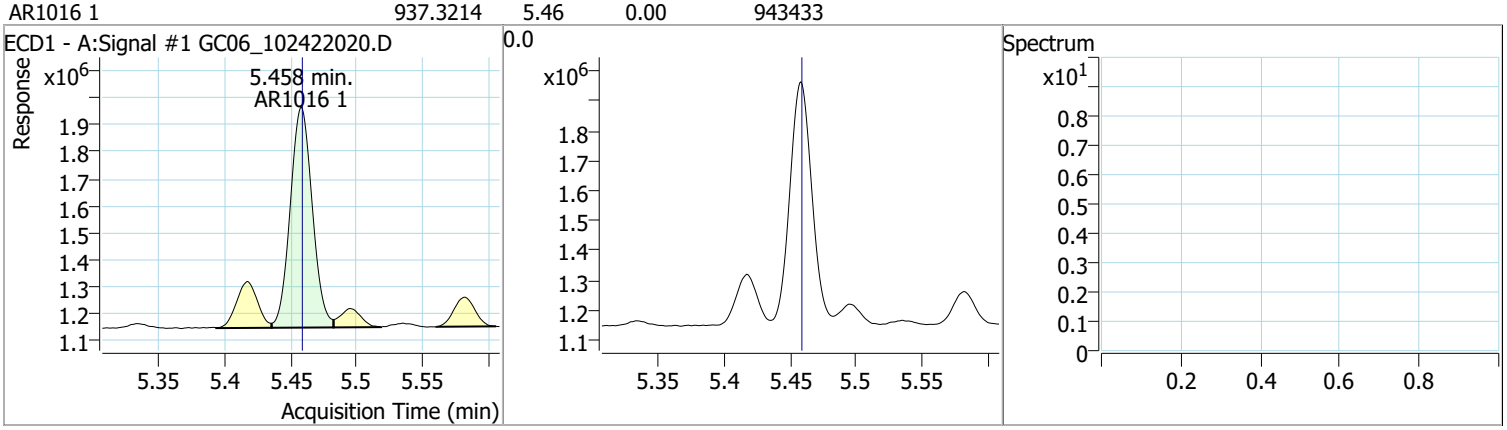
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.803	0.0	2010418.724	989.1606	ng/ml		100
T AR1016 1 #2	6.004	0.0	3878467.632	955.6472	ng/ml		100
T AR1016 3	6.284	0.0	2394397.764	938.2663	ng/ml		100
T AR1016 4	6.430	0.0	1827466.445	941.5536	ng/ml		100
T AR1016 2 #2	6.448	0.0	5500389.069	938.8589	ng/ml	m	100
T AR1016 5	6.908	0.0	1470872.987	940.8682	ng/ml		100
T AR1016 3 #2	7.034	0.0	9872562.438	927.4276	ng/ml		100
T AR1016 4 #2	7.224	0.0	7222770.660	950.4102	ng/ml		100
T AR1016 5 #2	7.966	0.0	5894671.400	954.2439	ng/ml		100
T AR1260 1	8.878	0.0	2877985.945	886.6594	ng/ml		100
T AR1260 2	9.338	0.0	4300287.117	869.2209	ng/ml		100
T AR1260 3	9.751	0.0	4585617.535	886.7956	ng/ml		100
T AR1260 1 #2	10.088	0.0	10289089.324	885.3872	ng/ml		100
T AR1260 4	10.218	0.0	2742861.102	988.8343	ng/ml		100
T AR1260 2 #2	10.343	0.0	12199337.627	873.6965	ng/ml		100
T AR1260 5	10.582	0.0	5817456.745	992.4576	ng/ml		100
T AR1260 3 #2	10.761	0.0	15563112.957	880.5672	ng/ml		100
T AR1260 4 #2	11.176	0.0	9679021.093	974.1517	ng/ml		100
T AR1260 5 #2	11.874	0.0	14837736.104	991.5511	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

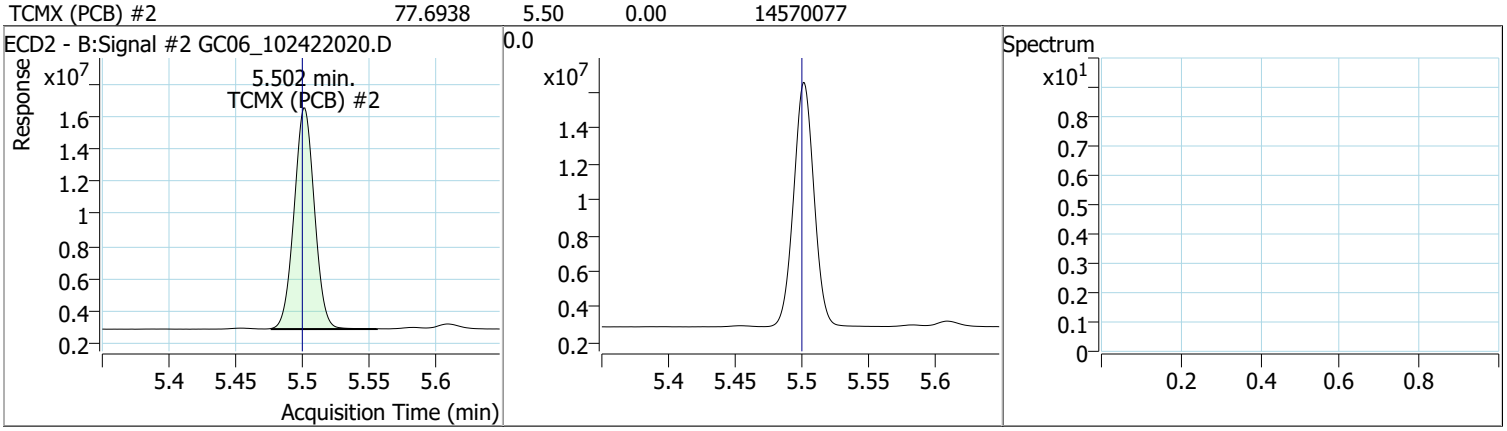
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	76.7037	5.10	0.00	3540370				



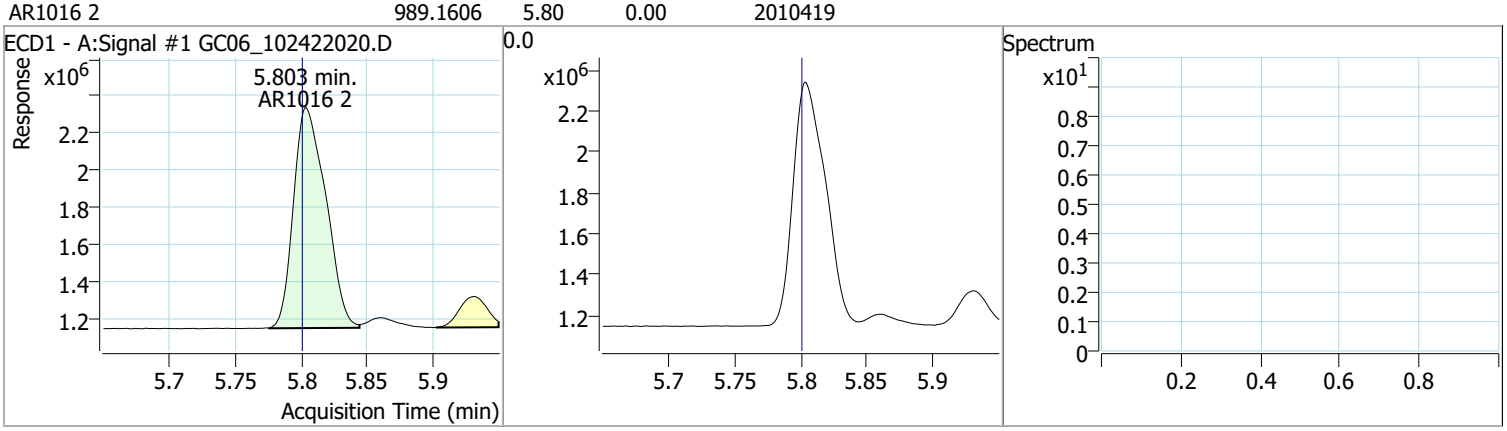
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AR1016 1	937.3214	5.46	0.00	943433				



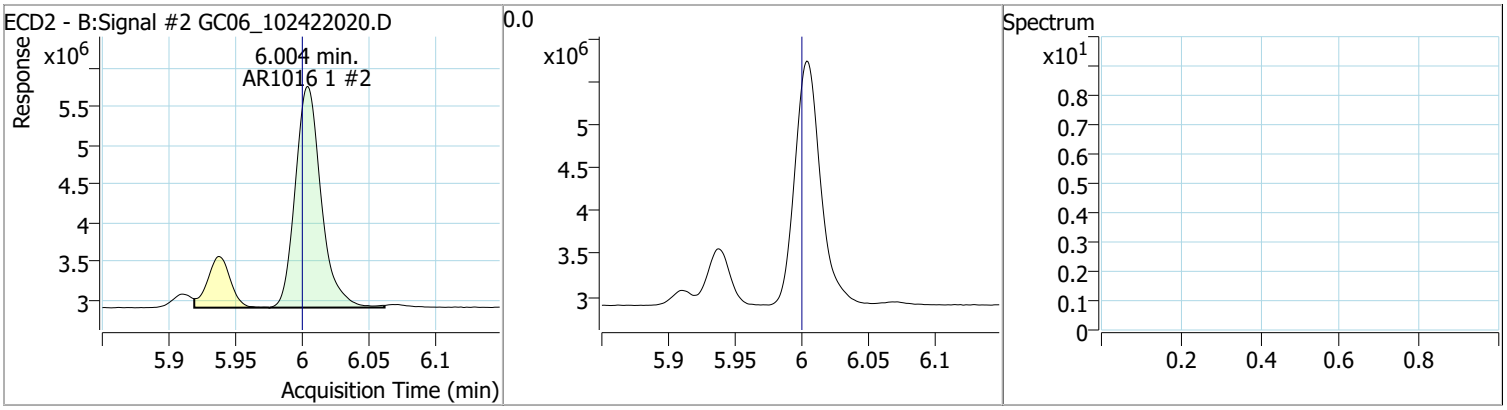
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TCMX (PCB) #2	77.6938	5.50	0.00	14570077				



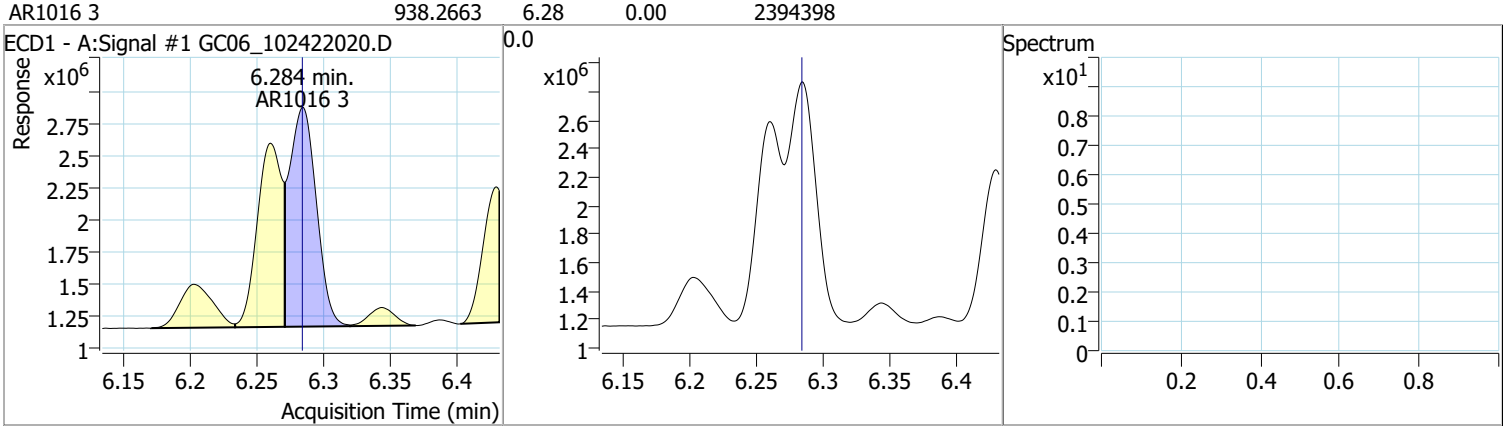
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AR1016 2	989.1606	5.80	0.00	2010419				



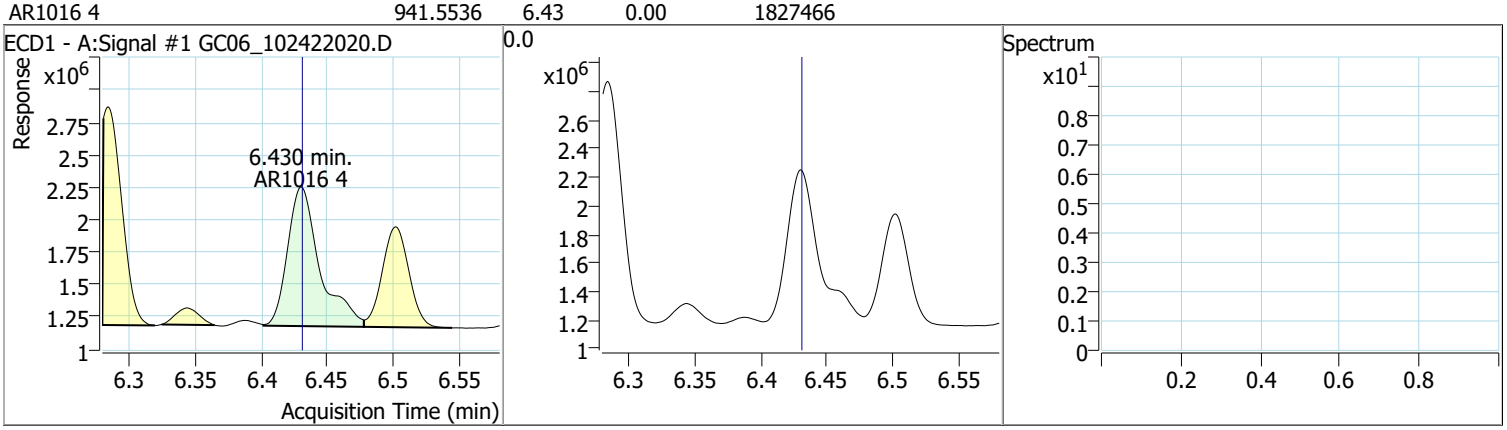
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AR1016 1 #2	955.6472	6.00	0.00	3878468				



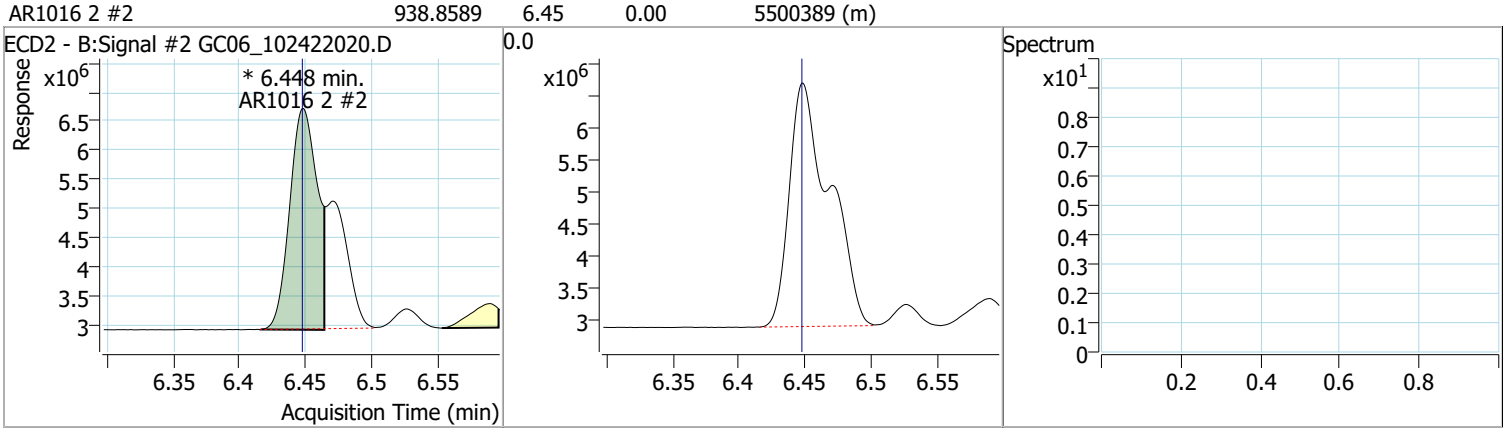
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	938.2663	6.28	0.00	2394398				



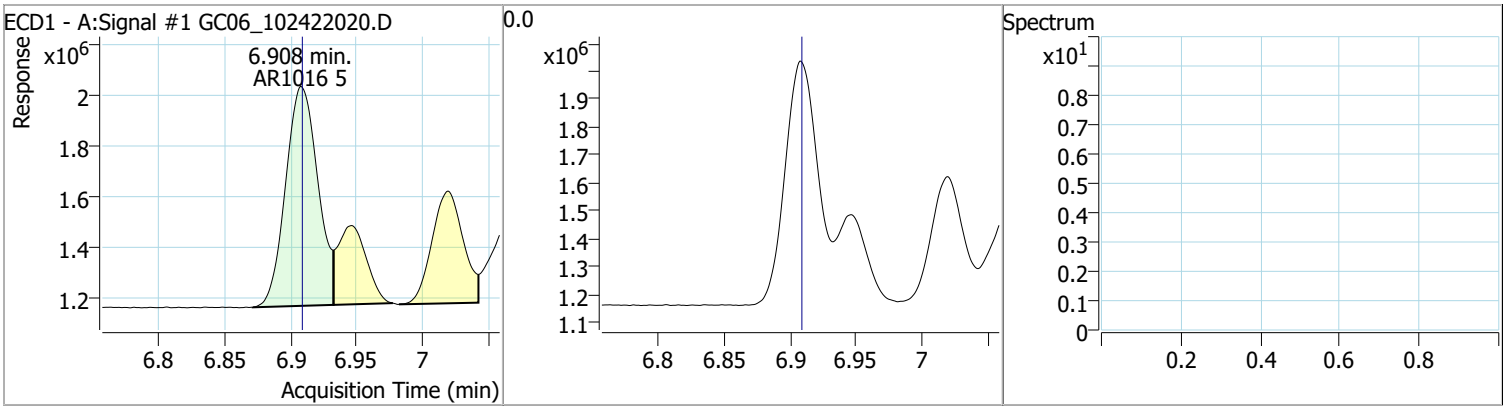
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	941.5536	6.43	0.00	1827466				



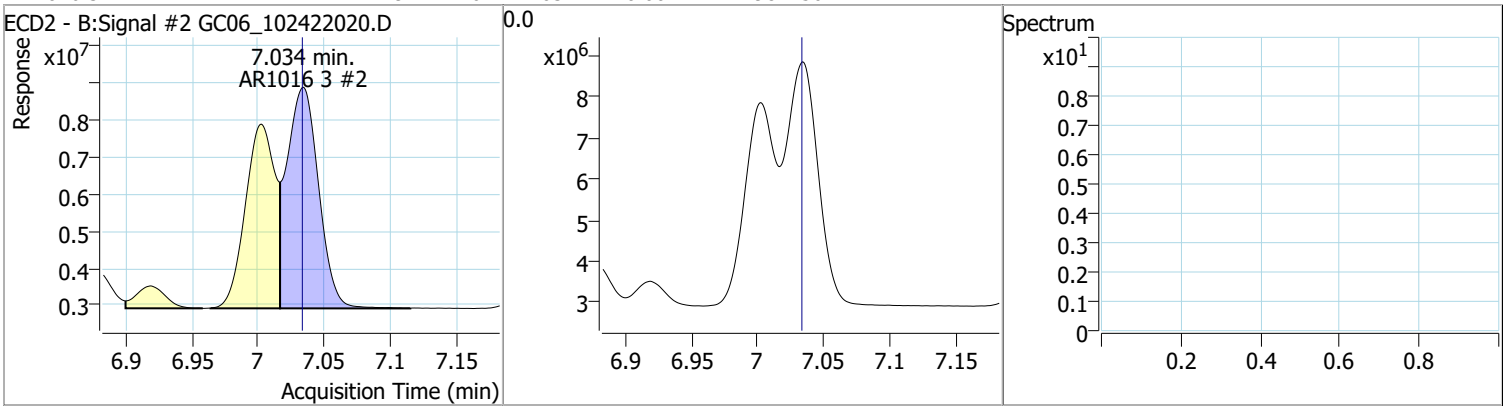
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	938.8589	6.45	0.00	5500389 (m)				



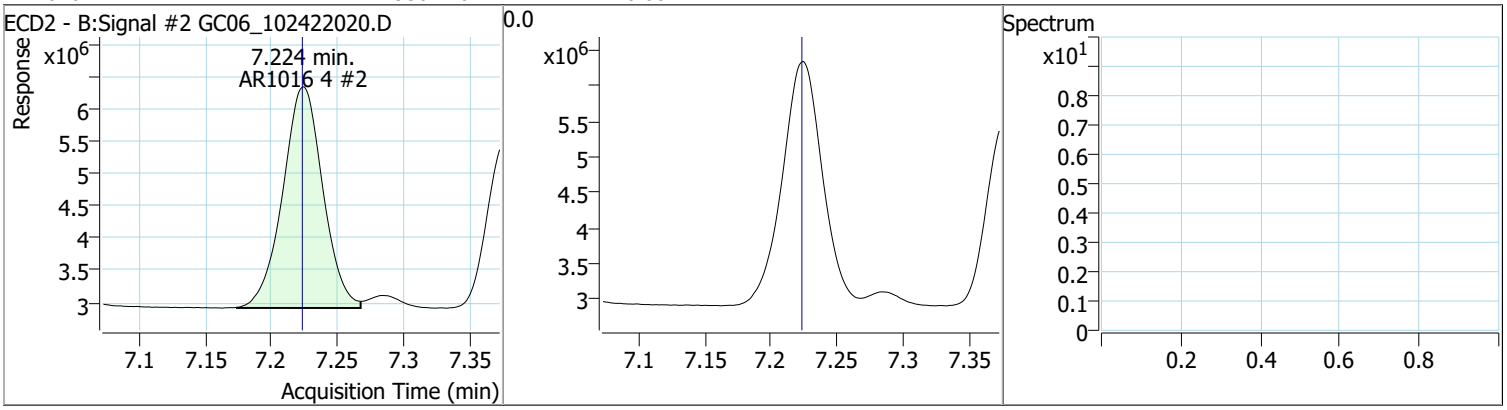
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	940.8682	6.91	0.00	1470873				



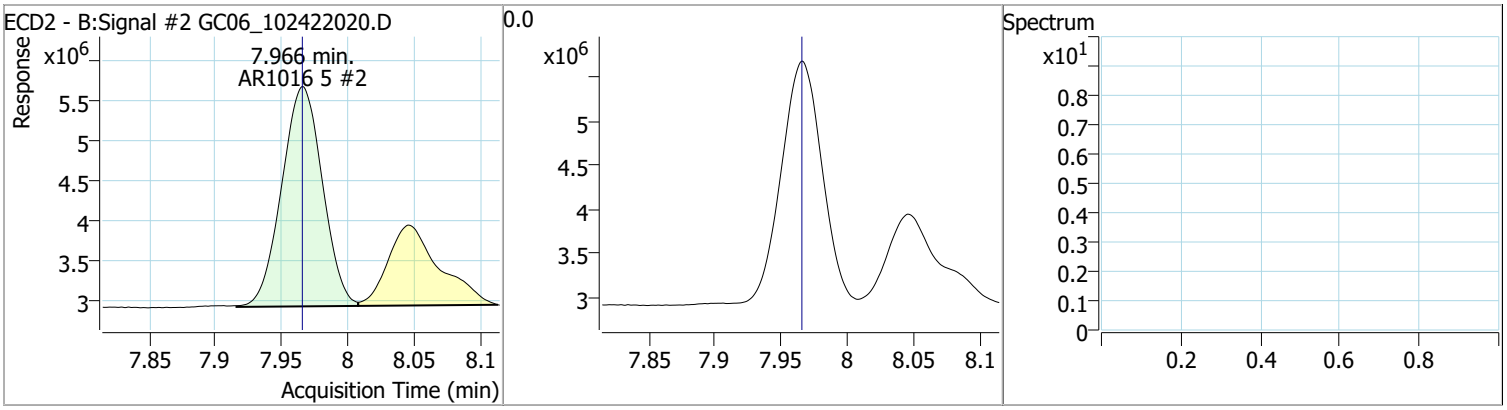
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AR1016 3 #2	927.4276	7.03	0.00	9872562				



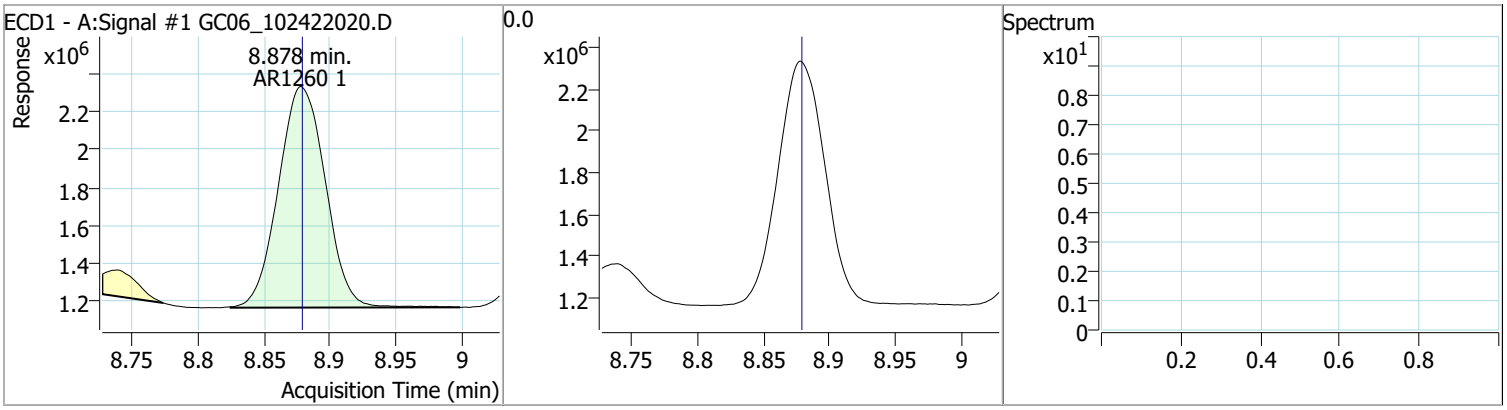
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	950.4102	7.22	0.00	7222771				



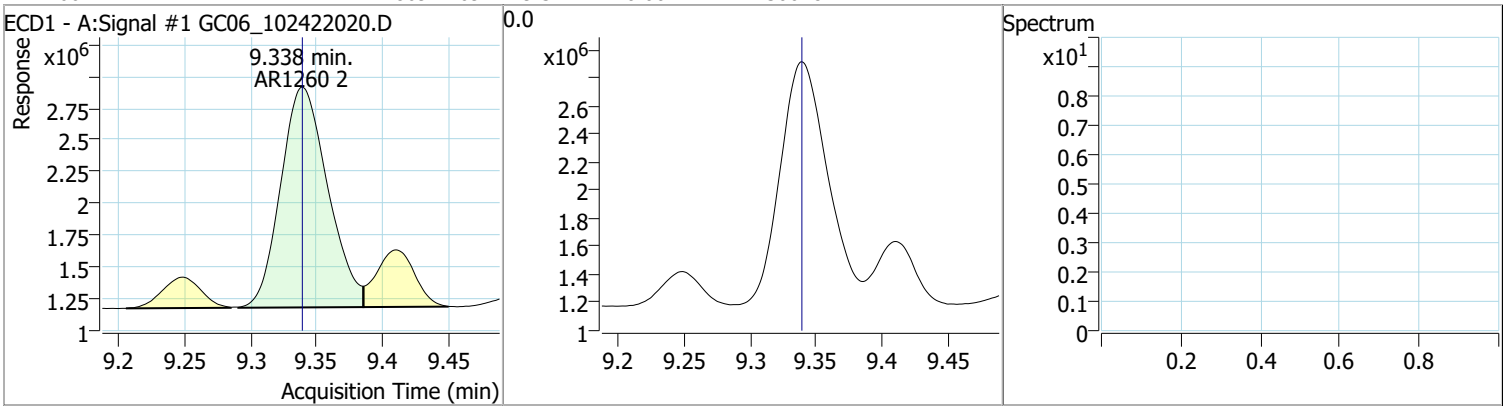
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	954.2439	7.97	0.00	5894671				



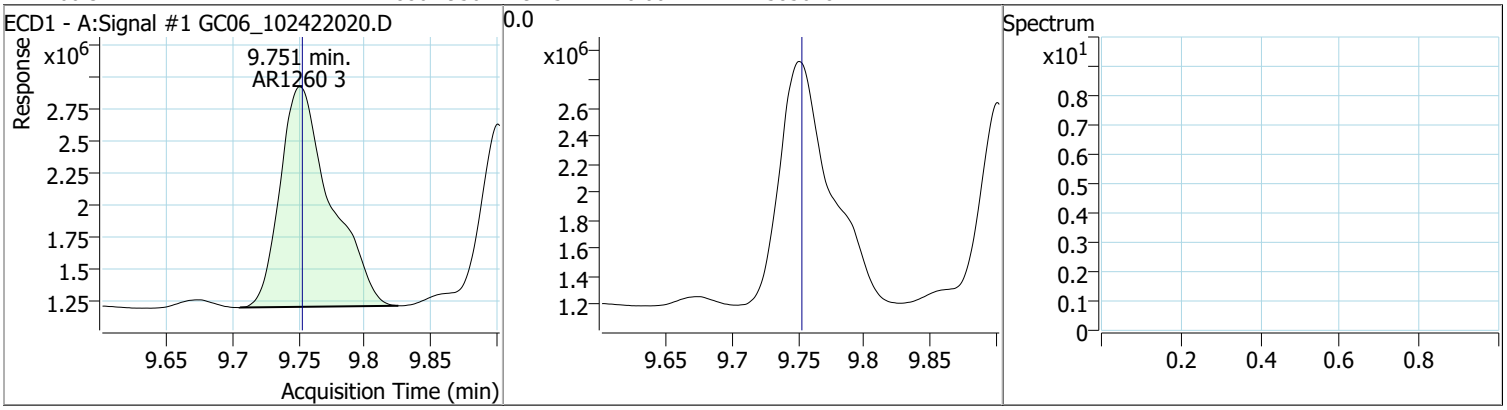
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	886.6594	8.88	0.00	2877986				



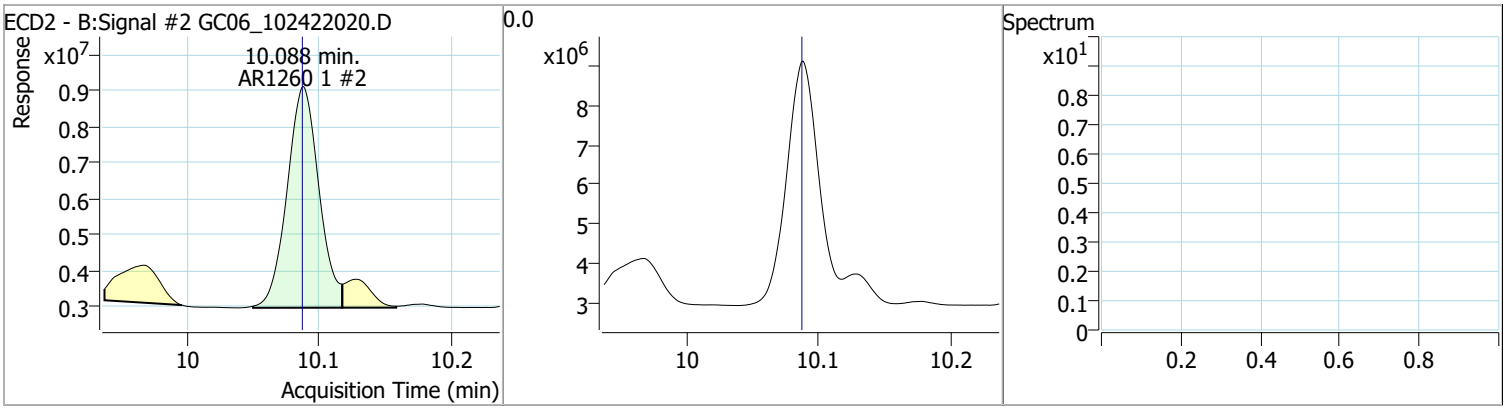
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	869.2209	9.34	0.00	4300287				



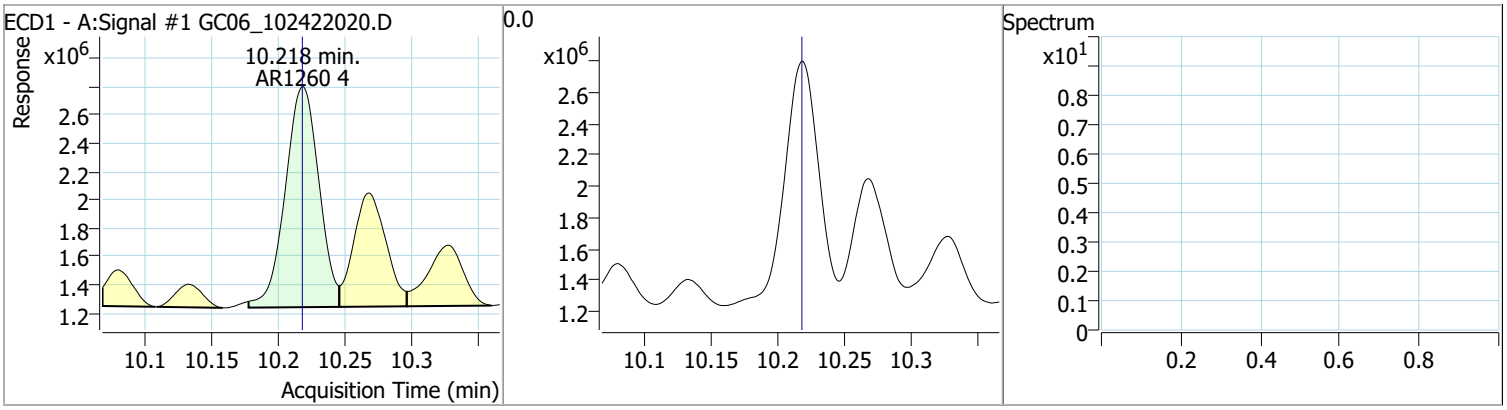
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	886.7956	9.75	0.00	4585618				



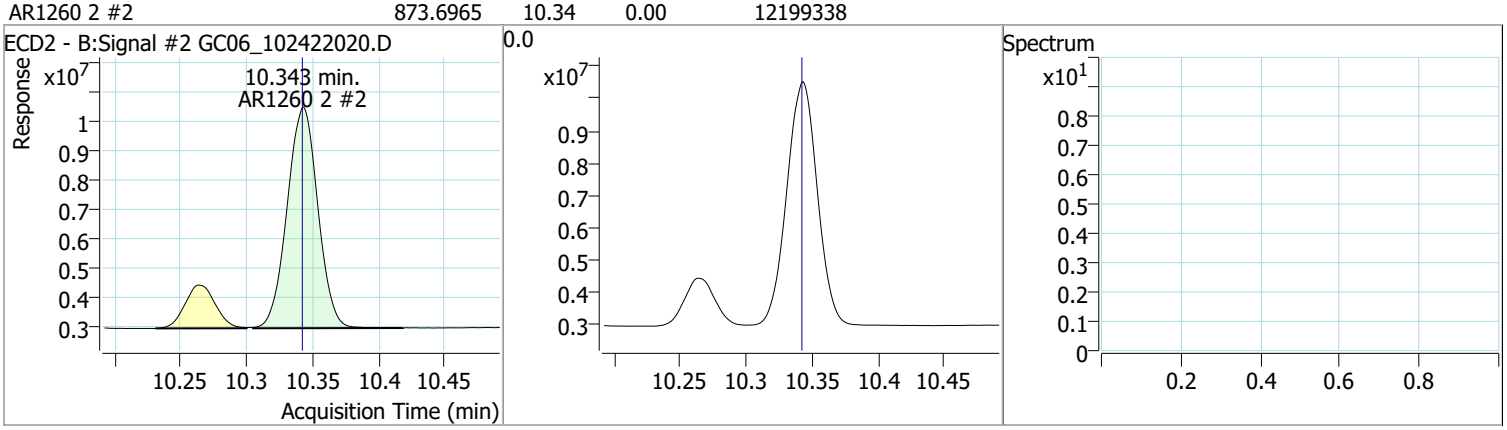
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	885.3872	10.09	0.00	10289089				



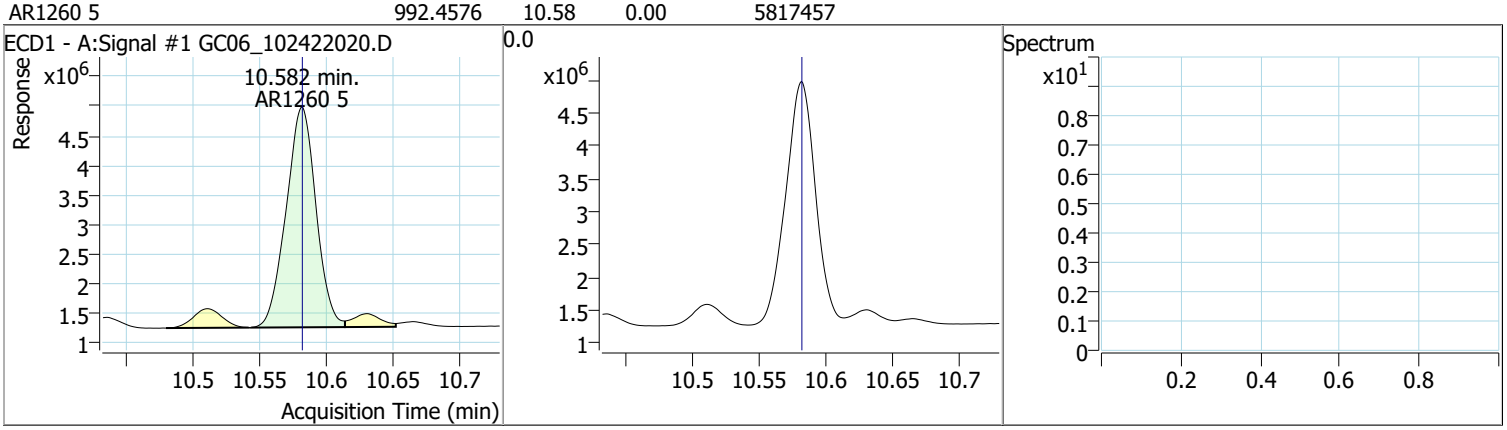
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	988.8343	10.22	0.00	2742861				



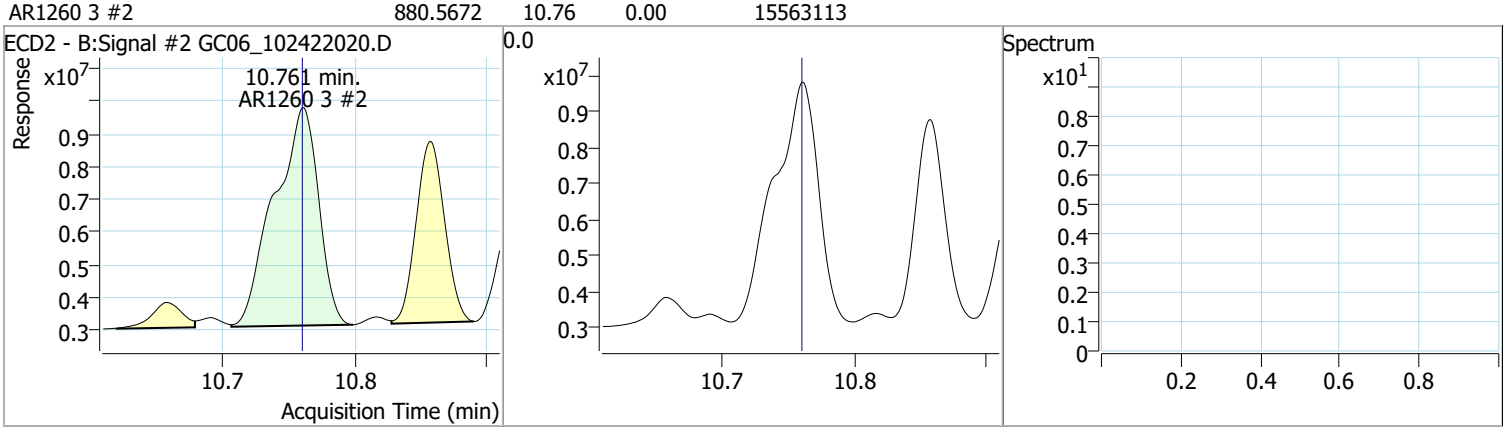
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	873.6965	10.34	0.00	12199338				



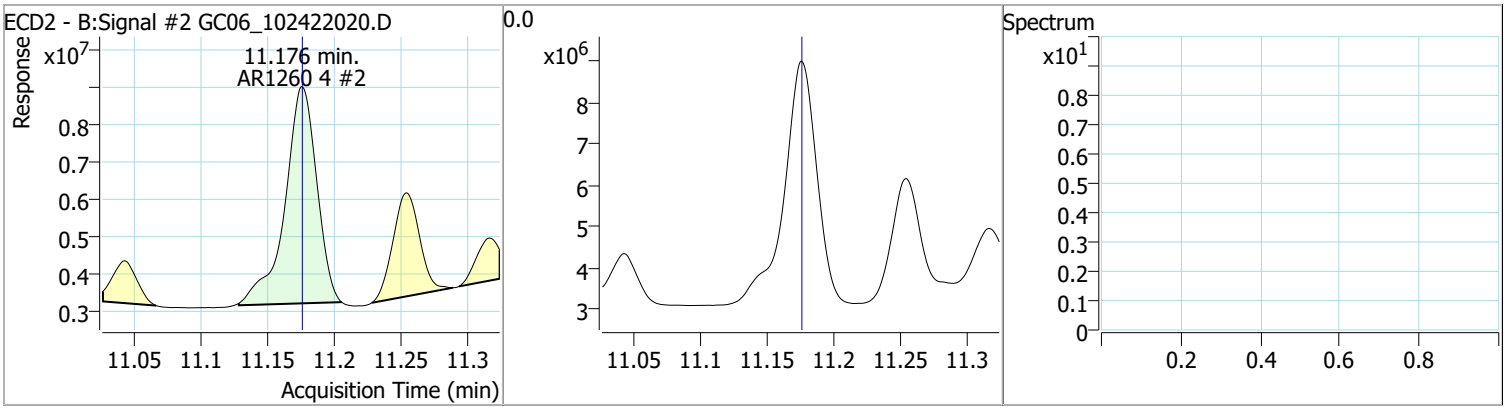
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	992.4576	10.58	0.00	5817457				



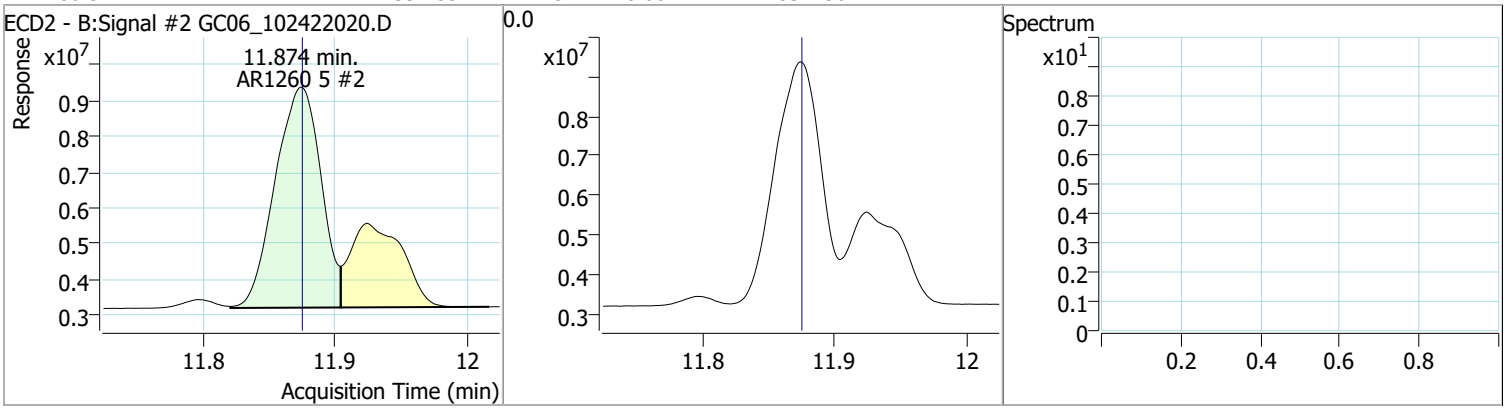
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	880.5672	10.76	0.00	15563113				



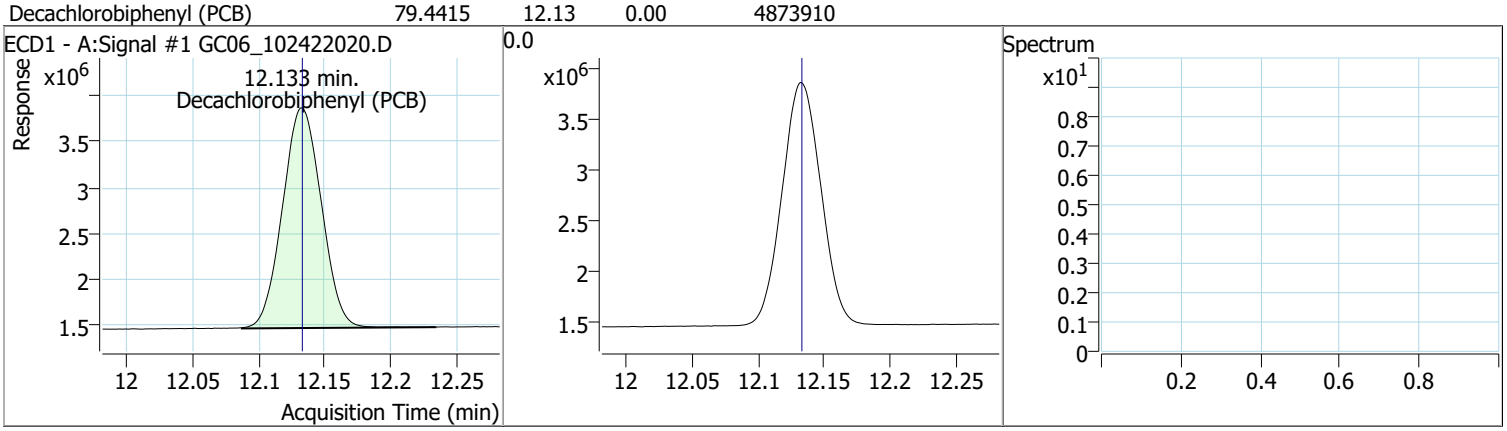
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	974.1517	11.18	0.00	9679021				



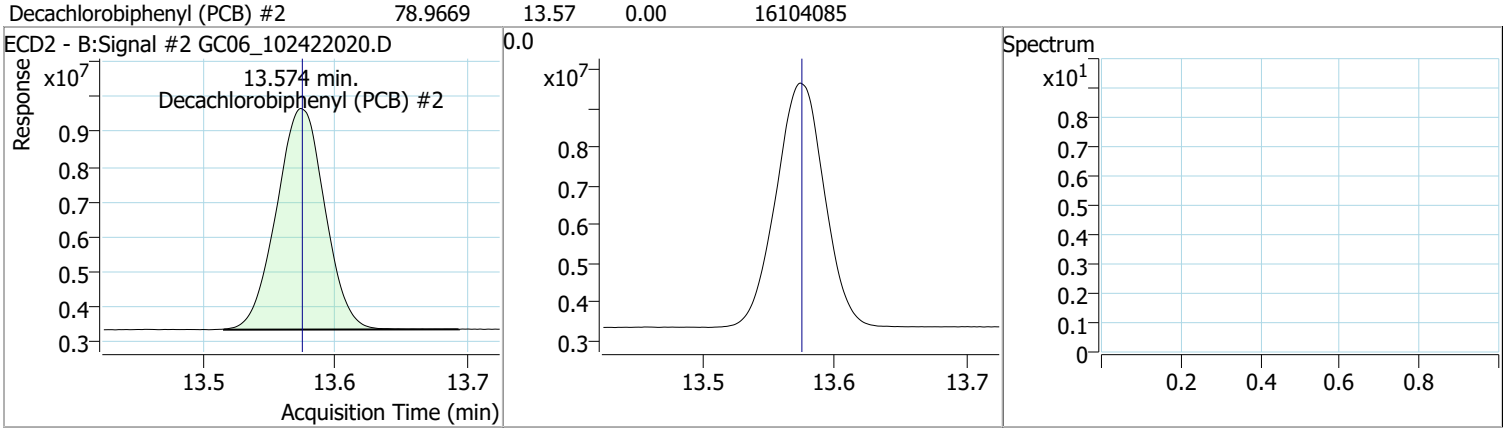
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	991.5511	11.87	0.00	14837736				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	79.4415	12.13	0.00	4873910				

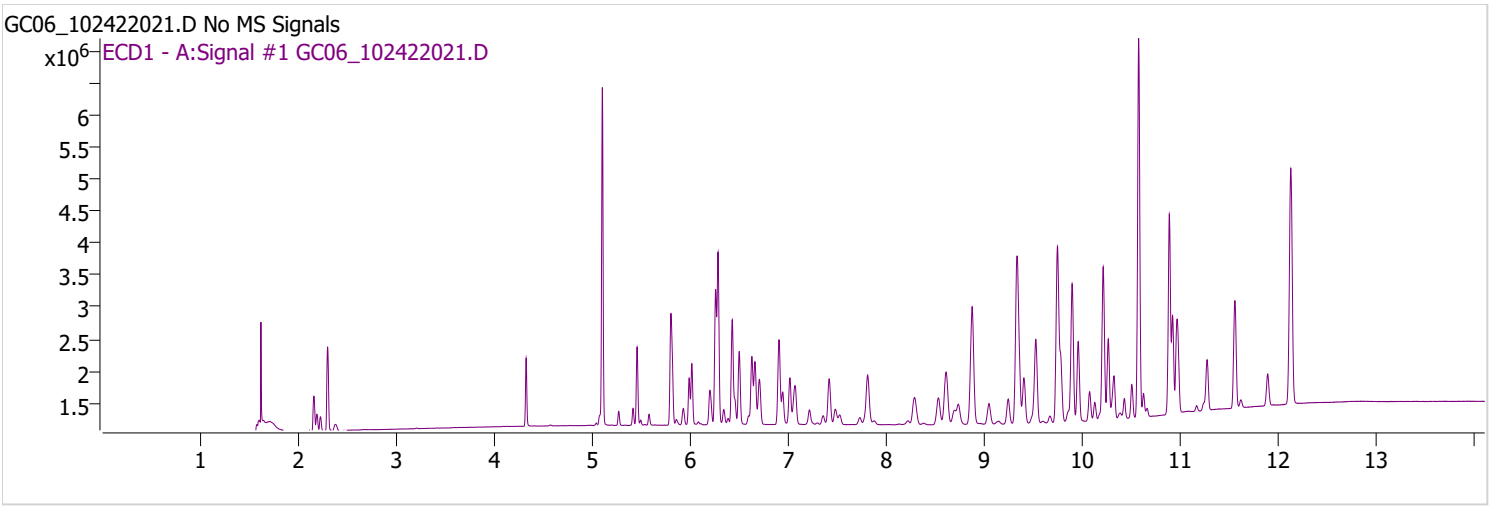


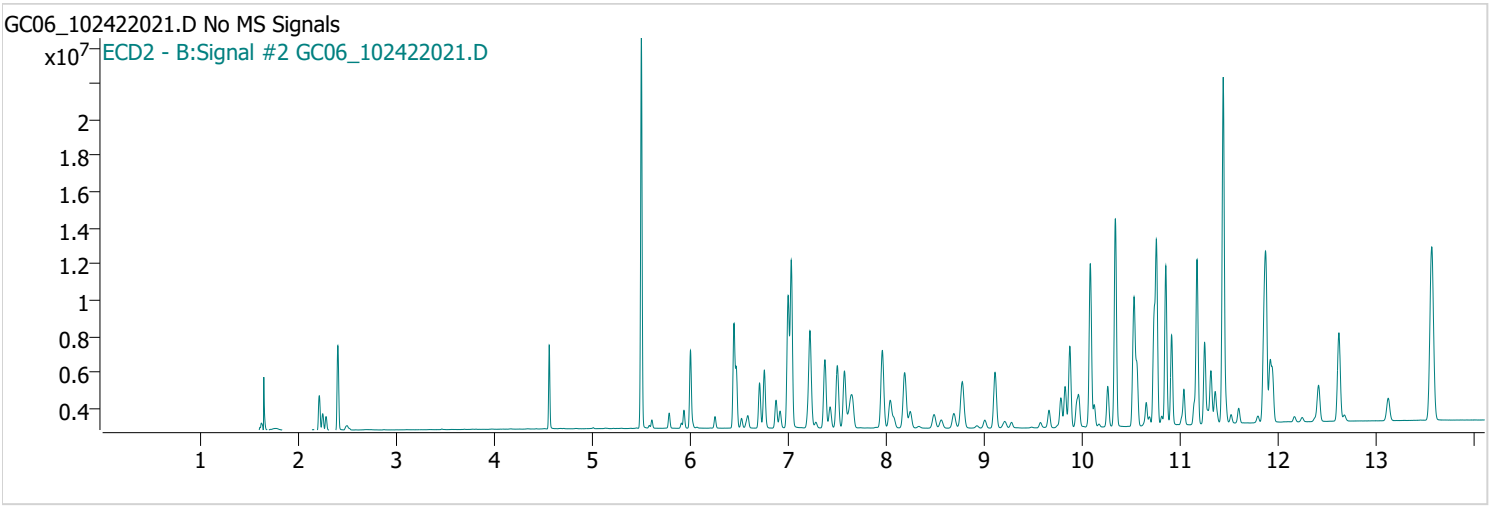
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	78.9669	13.57	0.00	16104085				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422021.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:31:42 PM
Sample Name	ICAL, S17270	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



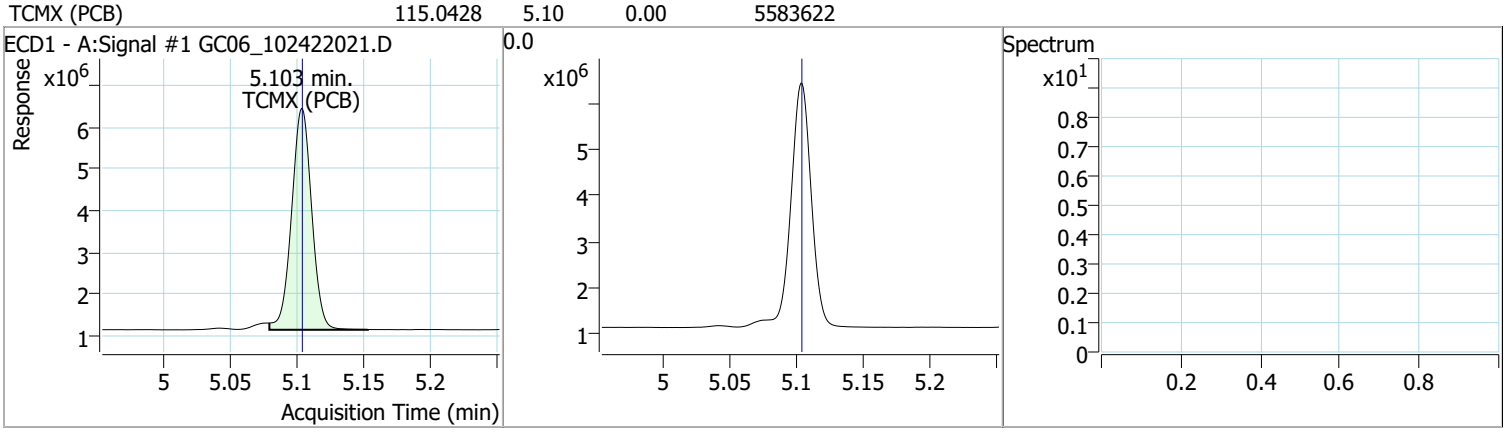


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.325	0.0	1009505.147	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.561	0.0	4057066.575	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	5.103	0.0	5583622.088	115.0428	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 575.21%		*	
S TCMX (PCB) #2	5.502	0.0	23031168.075	118.2063	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 591.03%		*	
S Decachlorobiphenyl (PCB)	12.134	0.0	7593776.012	119.7892	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 598.95%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	25131513.397	119.6729	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 598.36%		*	
Target Compounds							QValue

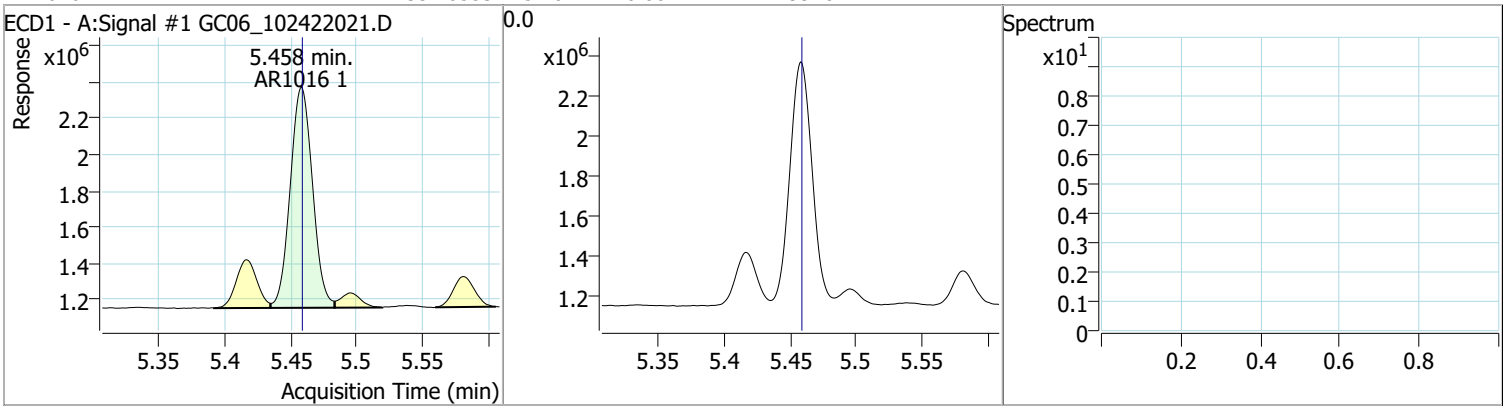
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	1429948.327	1351.0553	ng/ml		100
T AR1016 2	5.804	0.0	3030710.898	1424.7519	ng/ml		100
T AR1016 1 #2	6.003	0.0	5721647.171	1356.9347	ng/ml		100
T AR1016 3	6.285	0.0	3611169.947	1345.7155	ng/ml		100
T AR1016 4	6.430	0.0	2777407.544	1360.8515	ng/ml		100
T AR1016 2 #2	6.448	0.0	8221820.088	1350.7511	ng/ml	m	100
T AR1016 5	6.908	0.0	2242691.834	1364.2649	ng/ml		100
T AR1016 3 #2	7.033	0.0	15343105.691	1387.2792	ng/ml		100
T AR1016 4 #2	7.223	0.0	11004271.290	1393.6991	ng/ml		100
T AR1016 5 #2	7.963	0.0	9009188.371	1403.7375	ng/ml		100
T AR1260 1	8.880	0.0	4266432.480	1249.9957	ng/ml		100
T AR1260 2	9.339	0.0	6538469.983	1256.8526	ng/ml		100
T AR1260 3	9.751	0.0	7045185.682	1295.6677	ng/ml		100
T AR1260 1 #2	10.087	0.0	15645489.933	1295.8237	ng/ml		100
T AR1260 4	10.218	0.0	4208394.379	1449.9072	ng/ml		100
T AR1260 2 #2	10.343	0.0	18653948.726	1285.8656	ng/ml		100
T AR1260 5	10.580	0.0	9185947.111	1499.3950	ng/ml		100
T AR1260 3 #2	10.761	0.0	24133856.541	1314.2961	ng/ml		100
T AR1260 4 #2	11.177	0.0	14547609.435	1419.8121	ng/ml		100
T AR1260 5 #2	11.876	0.0	23188941.135	1500.9271	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

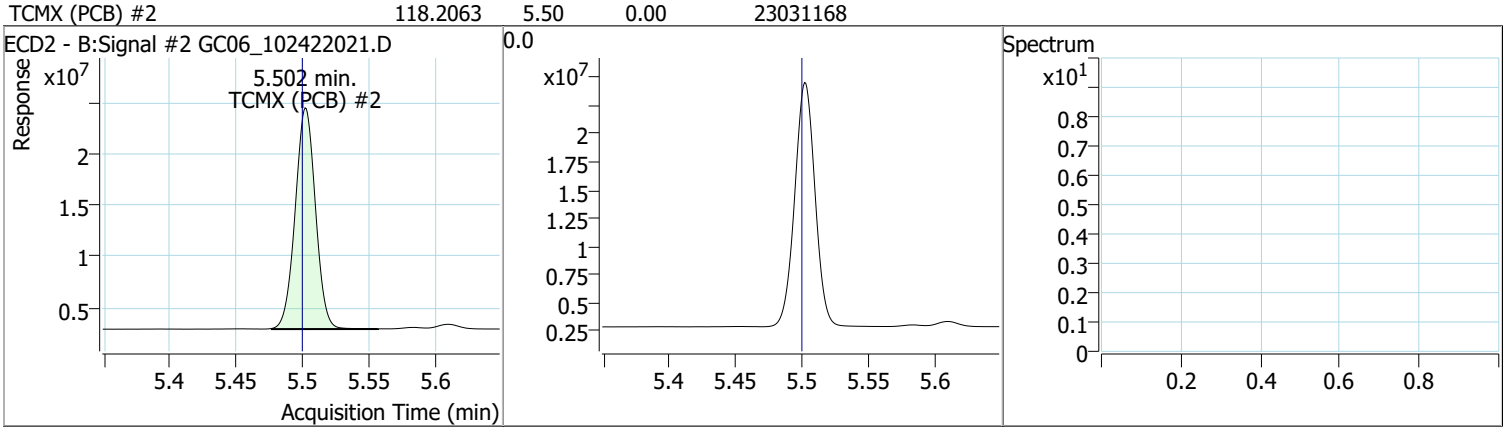
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	115.0428	5.10	0.00	5583622				



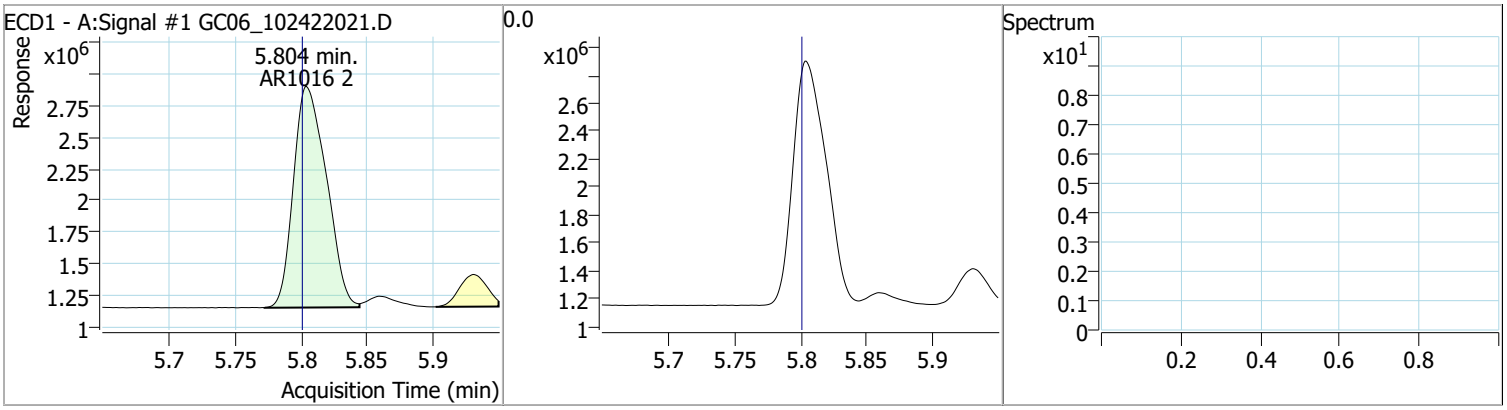
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1351.0553	5.46	0.00	1429948				



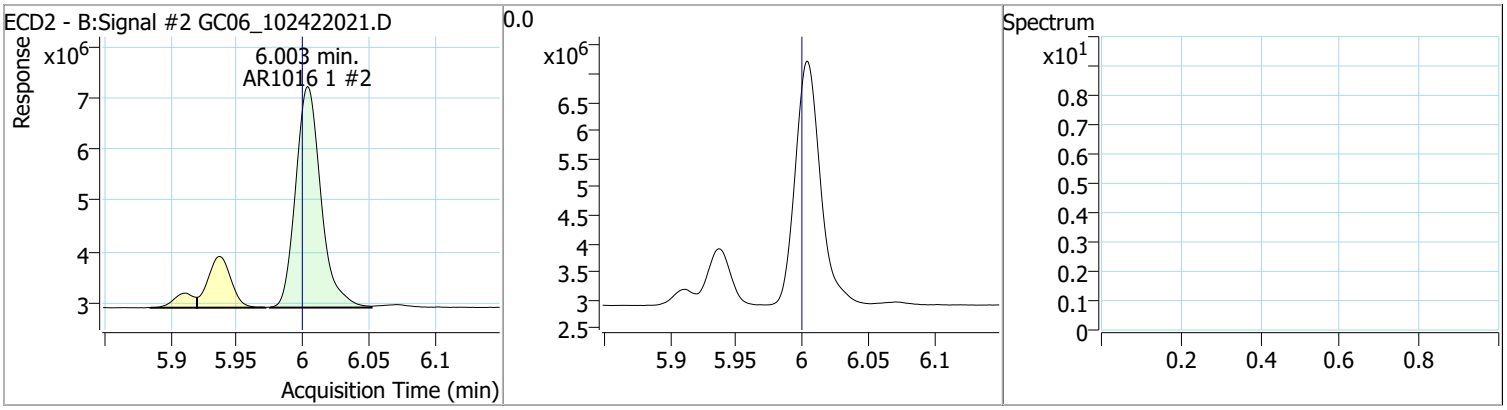
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	118.2063	5.50	0.00	23031168				



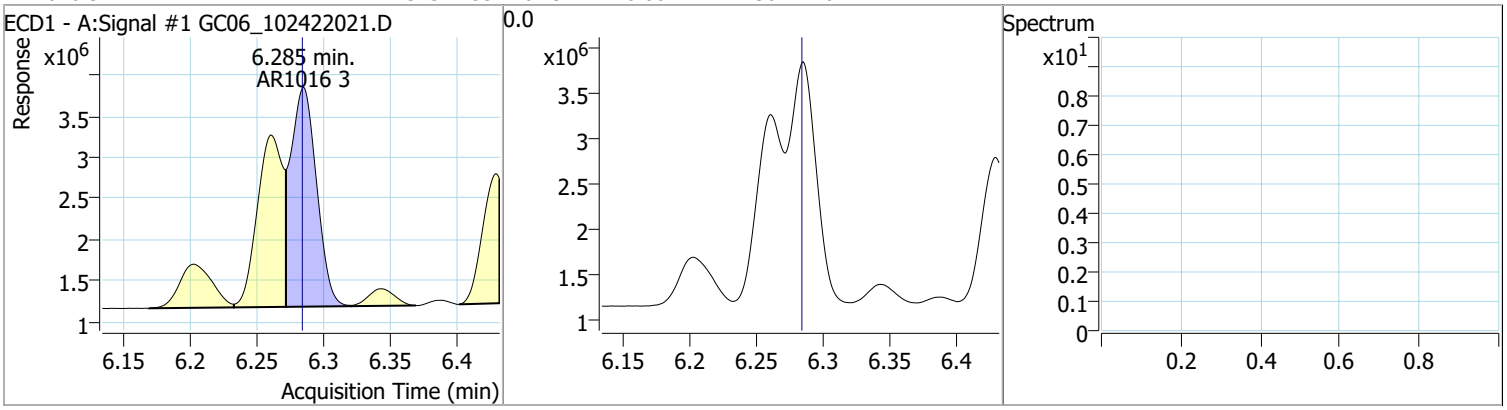
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1424.7519	5.80	0.00	3030711				



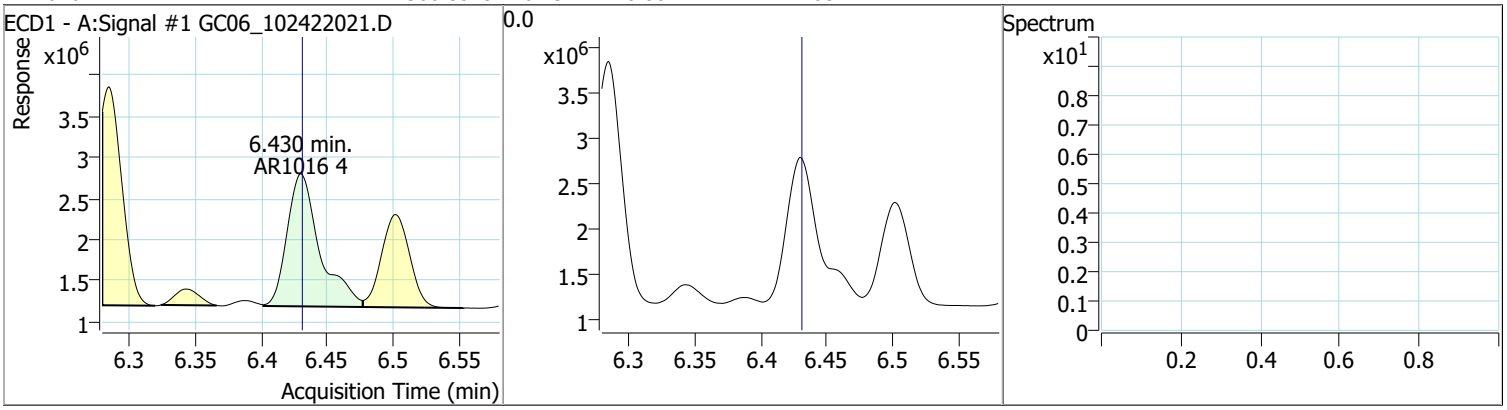
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AR1016 1 #2	1356.9347	6.00	0.00	5721647				



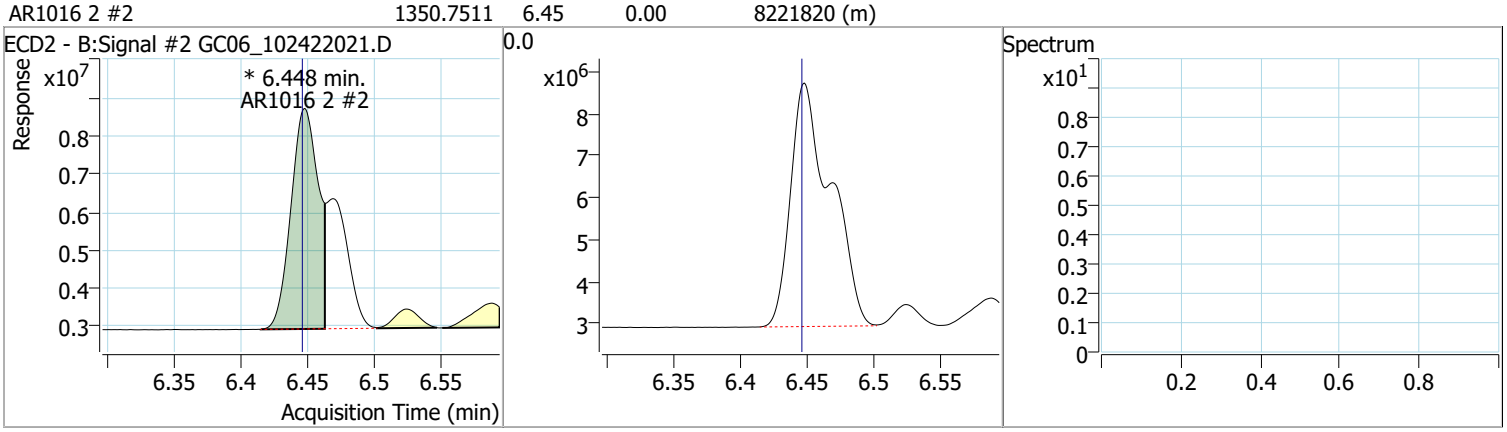
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1345.7155	6.29	0.00	3611170				



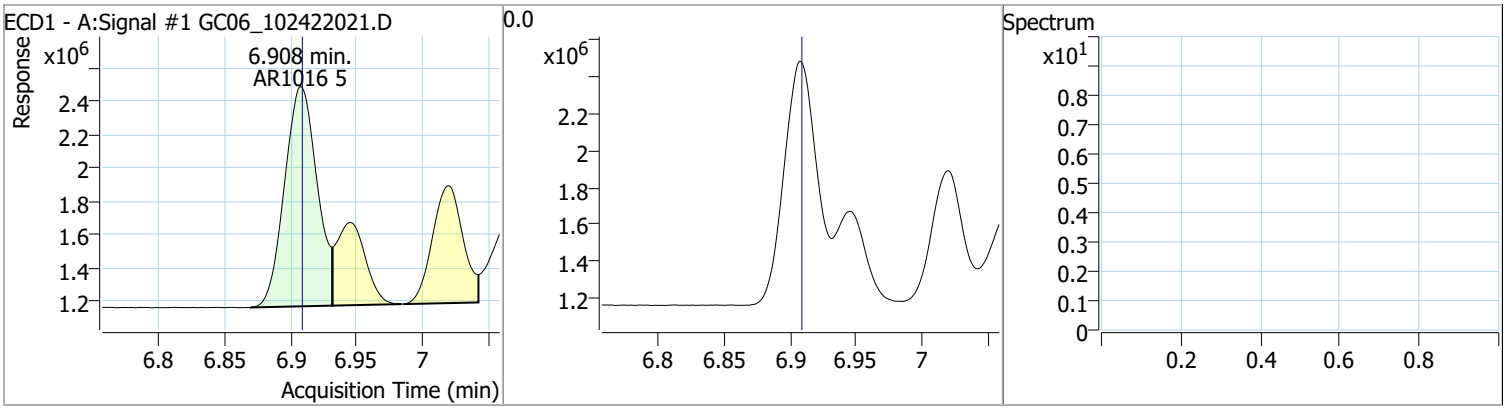
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1360.8515	6.43	0.00	2777408				



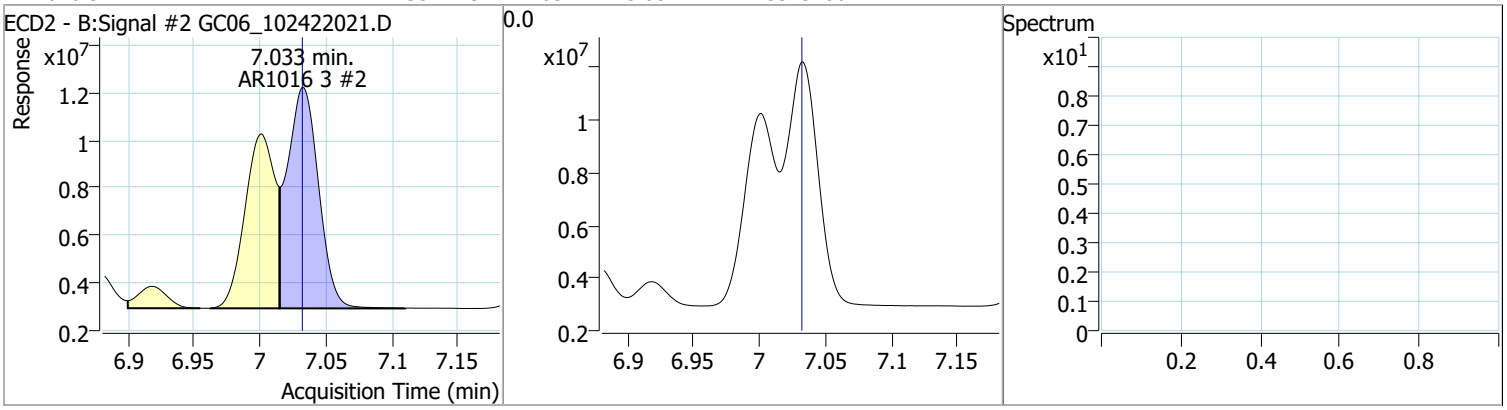
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AR1016 2 #2	1350.7511	6.45	0.00	8221820 (m)				



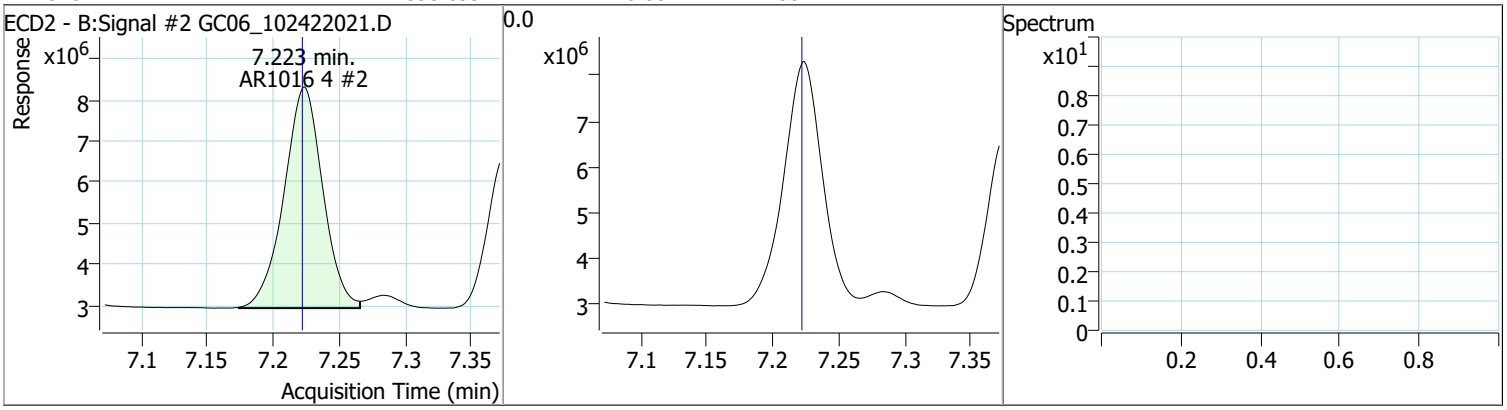
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AR1016 5	1364.2649	6.91	0.00	2242692				



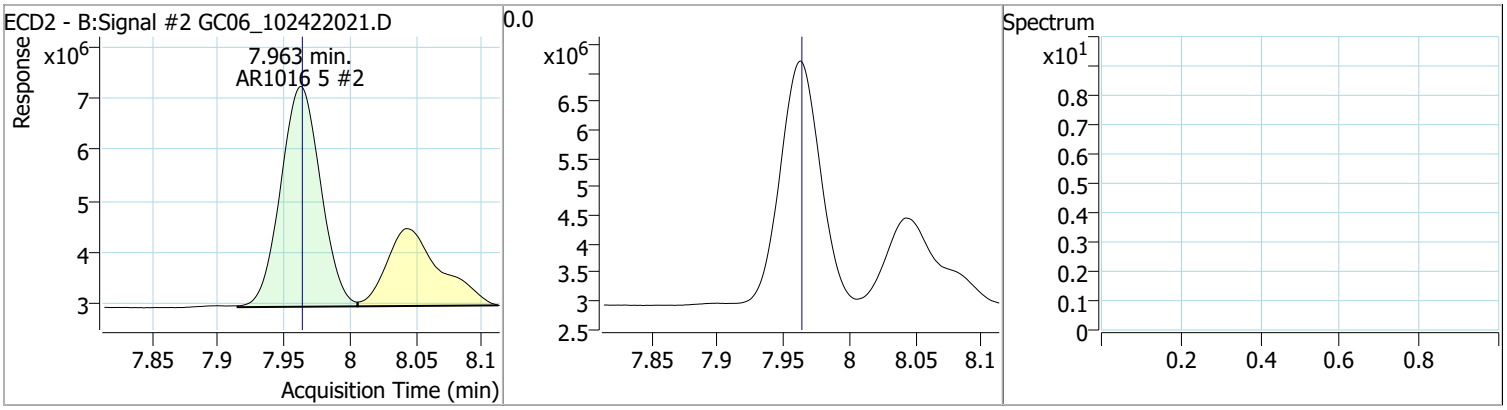
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1387.2792	7.03	0.00	15343106				



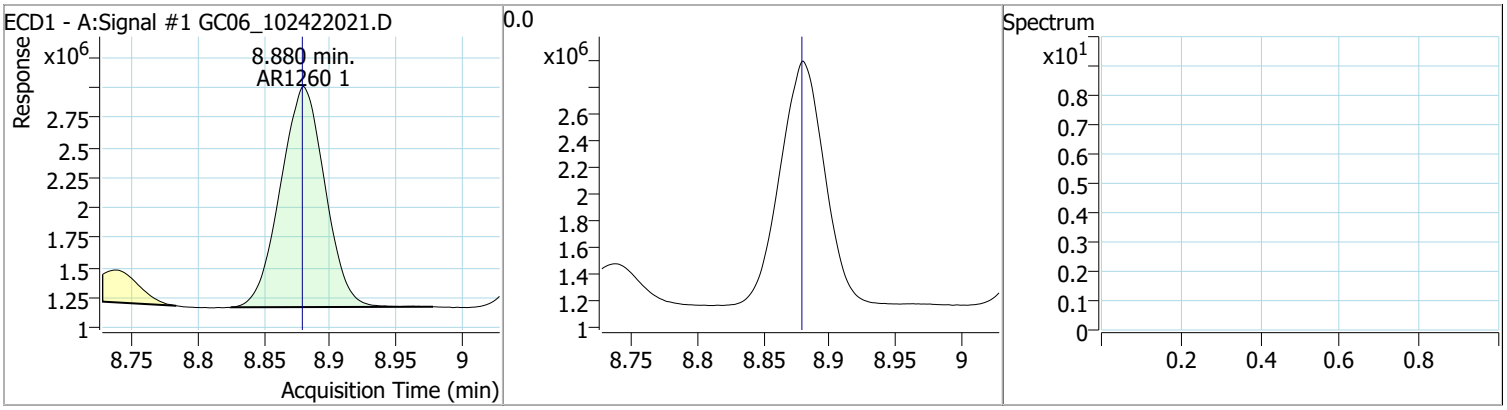
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1393.6991	7.22	0.00	11004271				



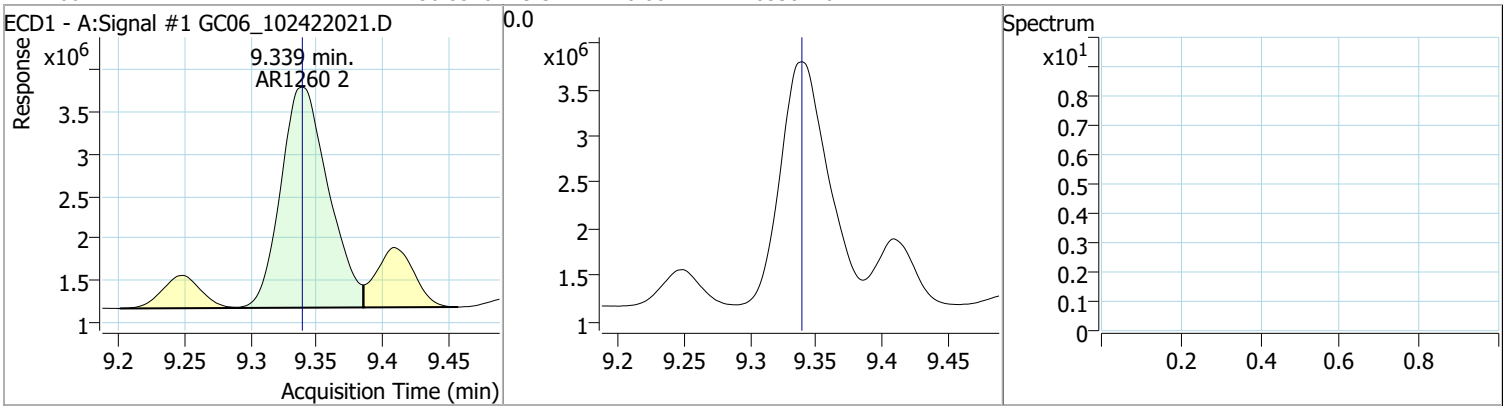
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1403.7375	7.96	0.00	9009188				



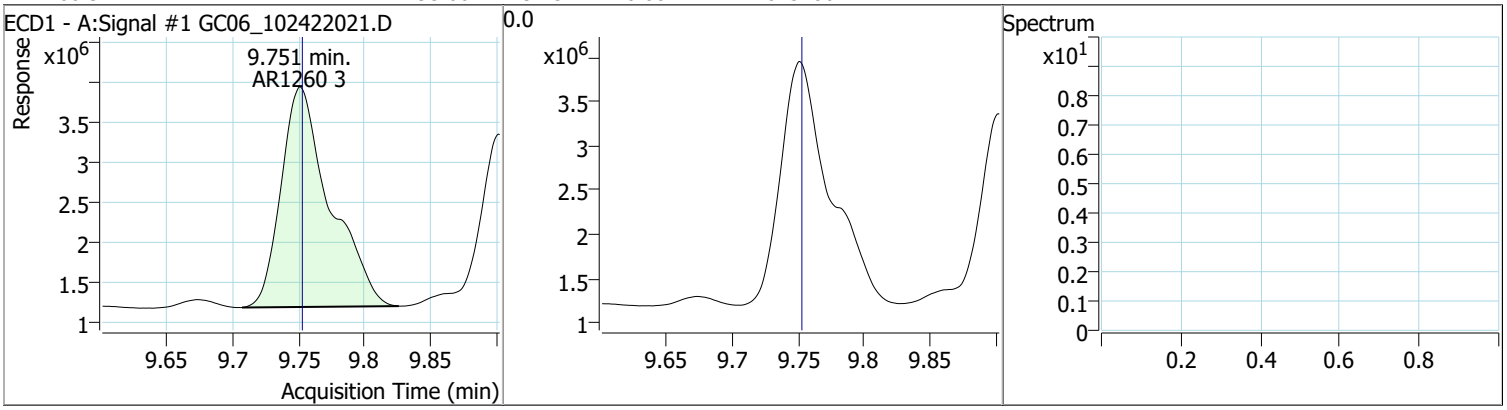
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1249.9957	8.88	0.00	4266432				



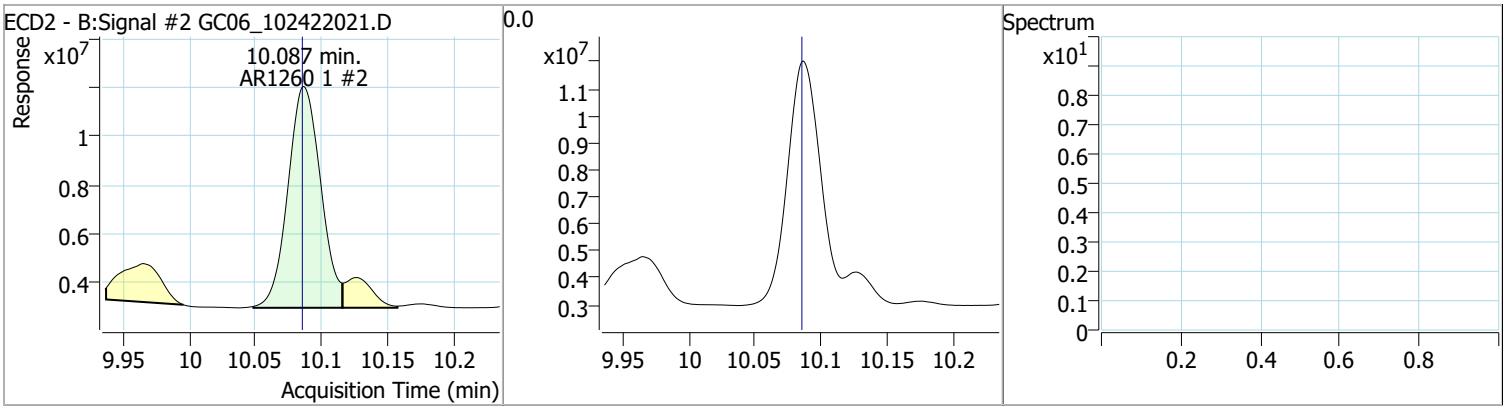
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1256.8526	9.34	0.00	6538470				



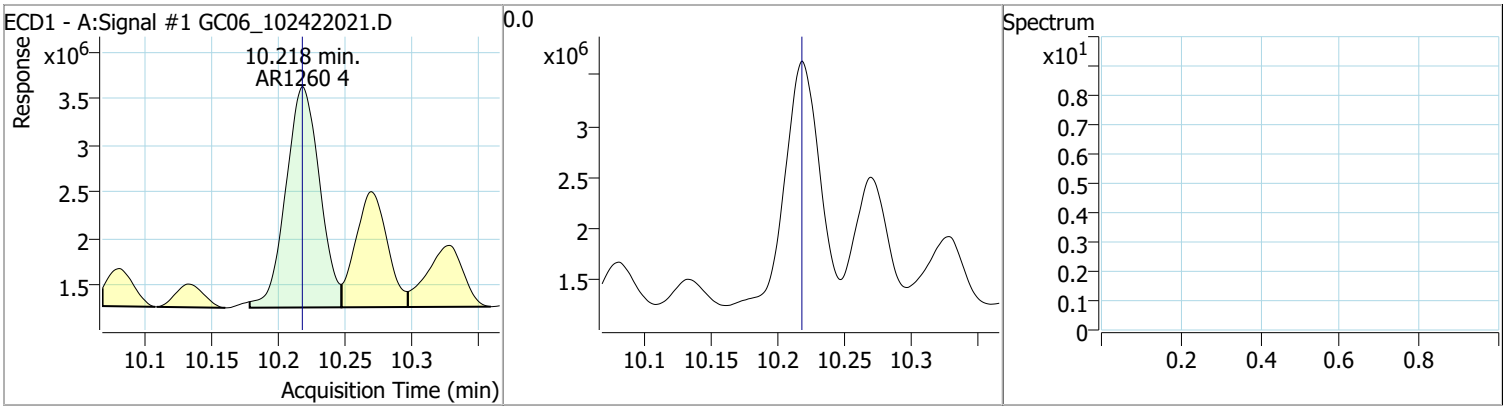
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1295.6677	9.75	0.00	7045186				



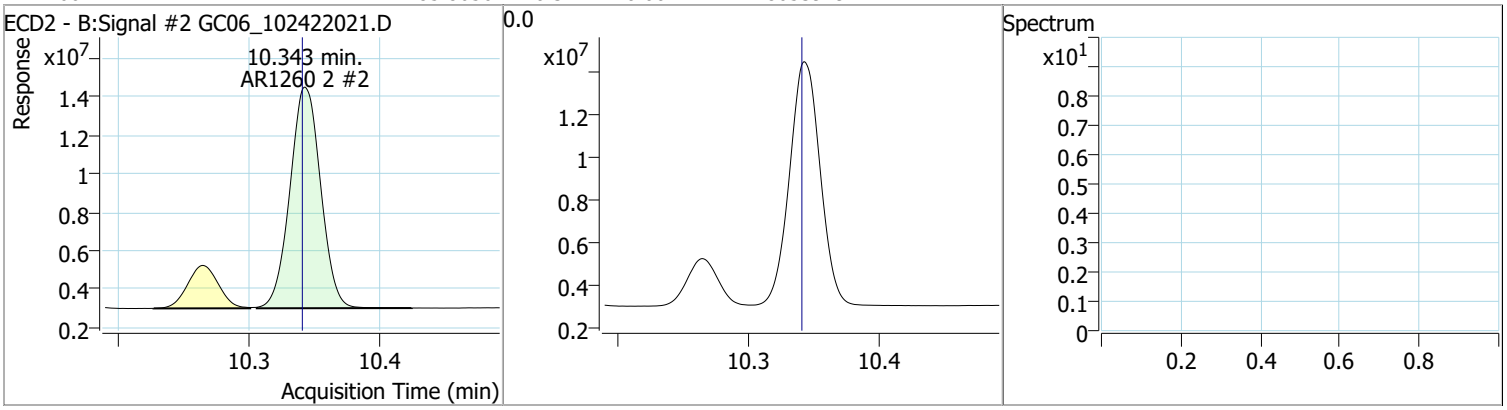
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1295.8237	10.09	0.00	15645490				



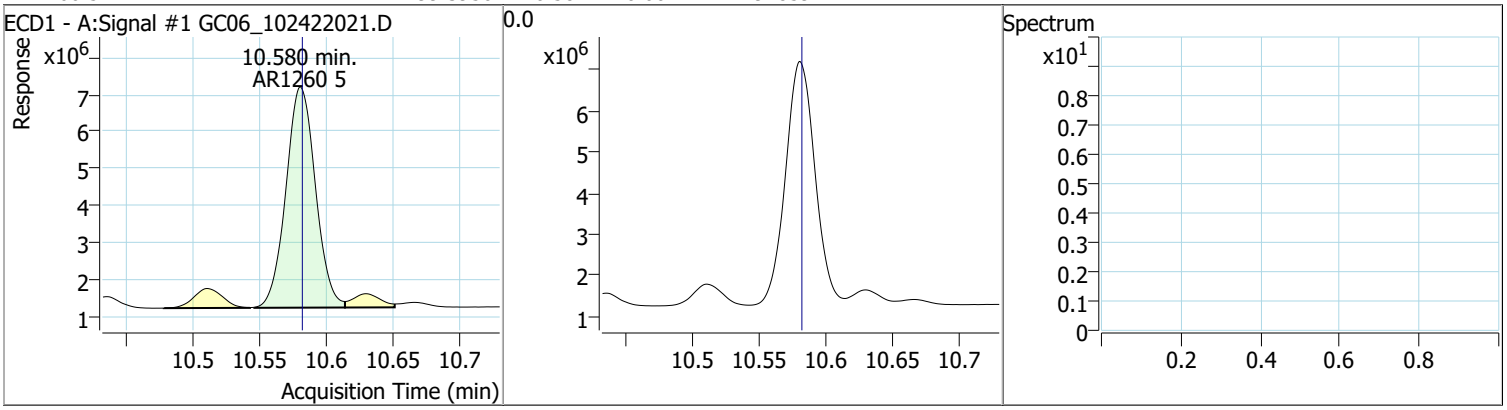
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1449.9072	10.22	0.00	4208394				



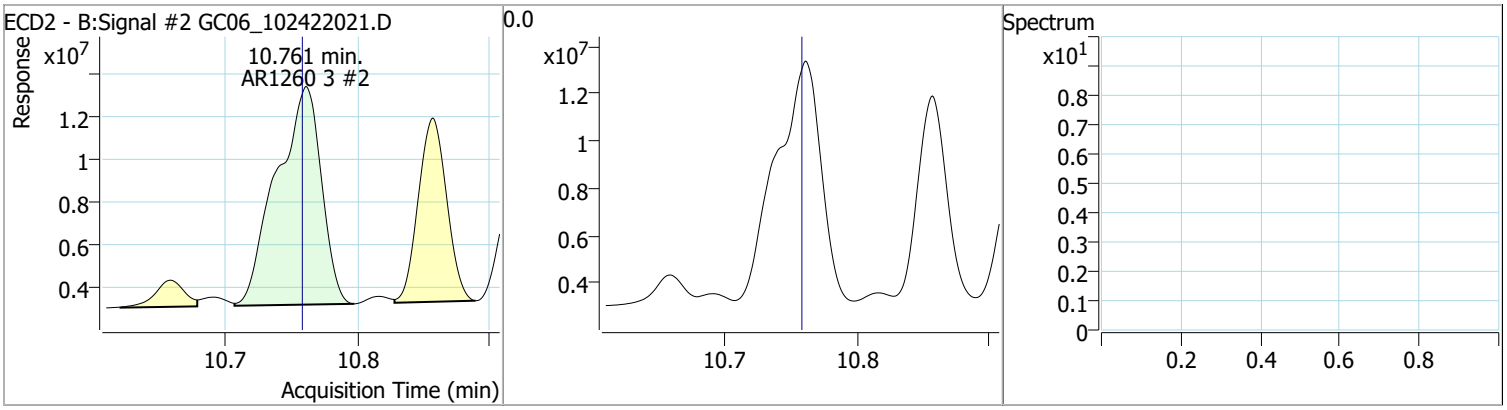
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1285.8656	10.34	0.00	18653949				



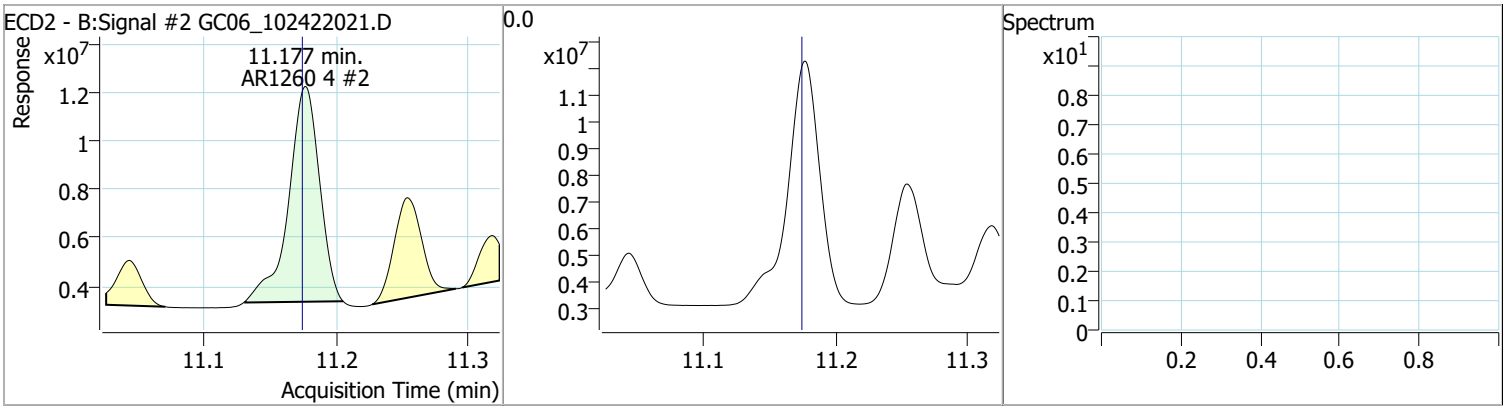
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1499.3950	10.58	0.00	9185947				



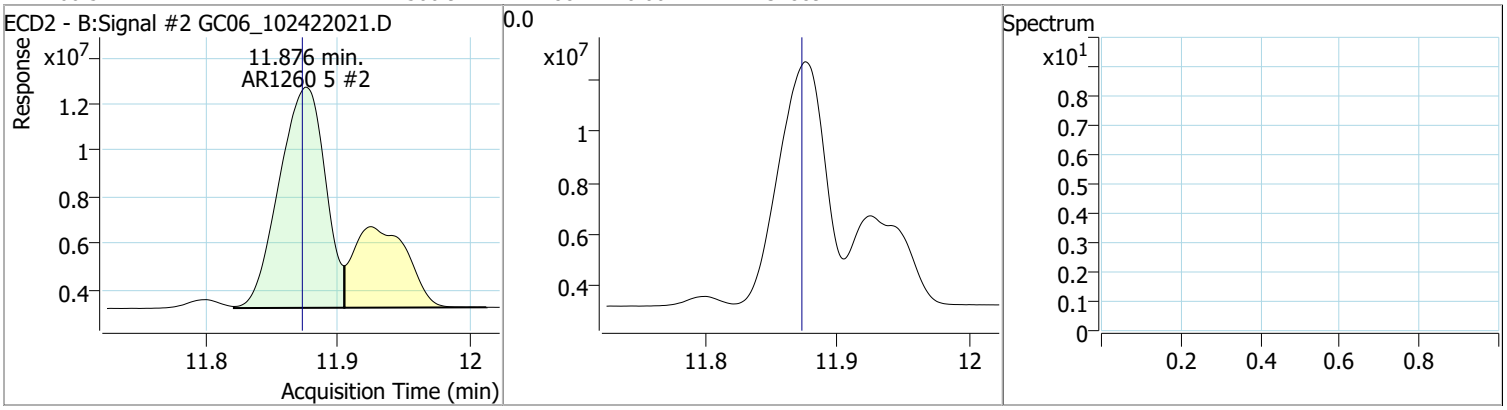
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1314.2961	10.76	0.00	24133857				



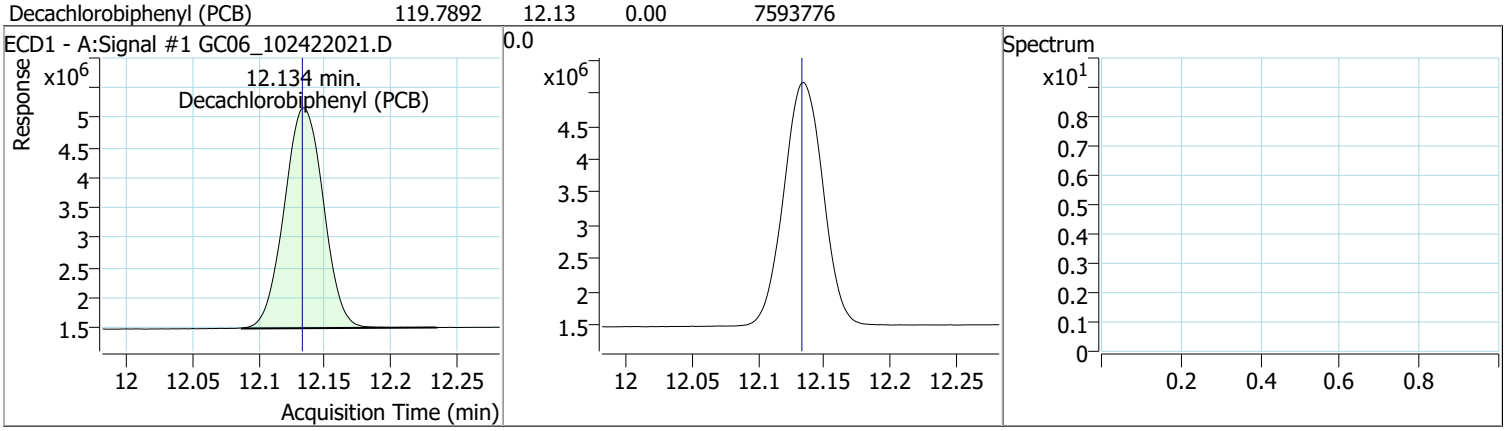
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1419.8121	11.18	0.00	14547609				



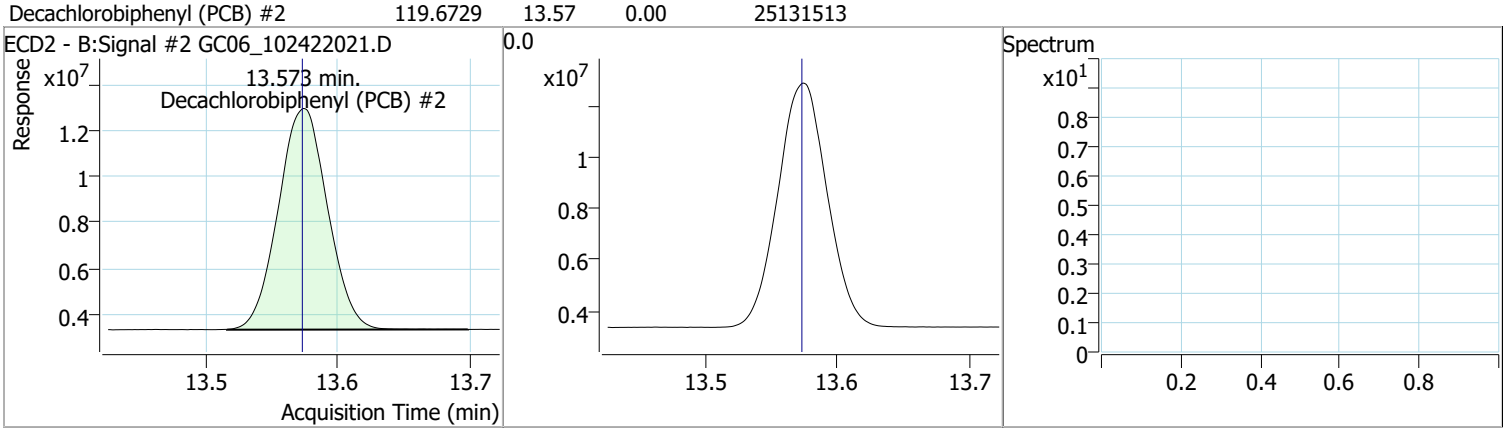
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1500.9271	11.88	0.00	23188941				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	119.7892	12.13	0.00	7593776				

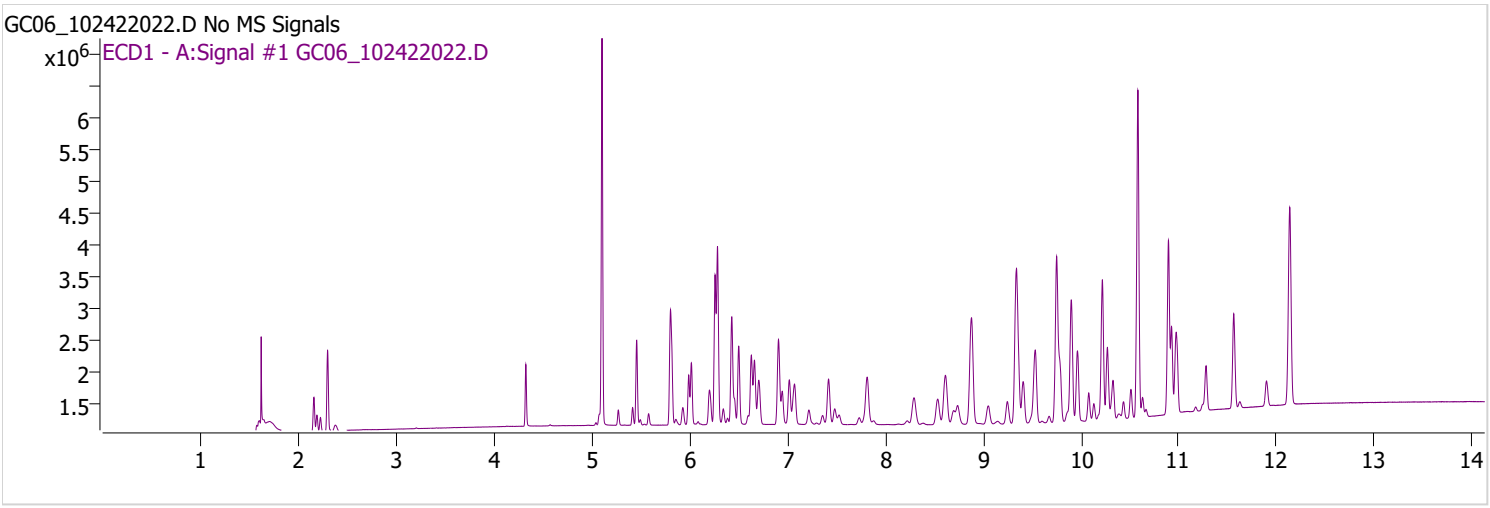


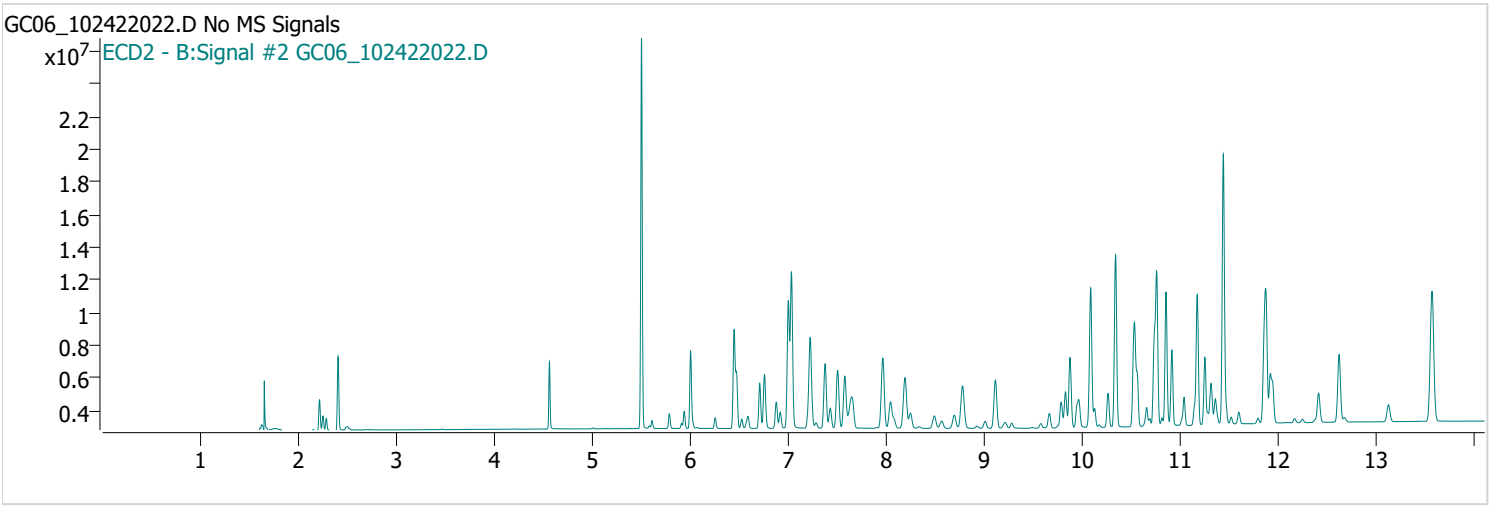
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	119.6729	13.57	0.00	25131513				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422022.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 7:49:40 PM
Sample Name	ICAL, S17271	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



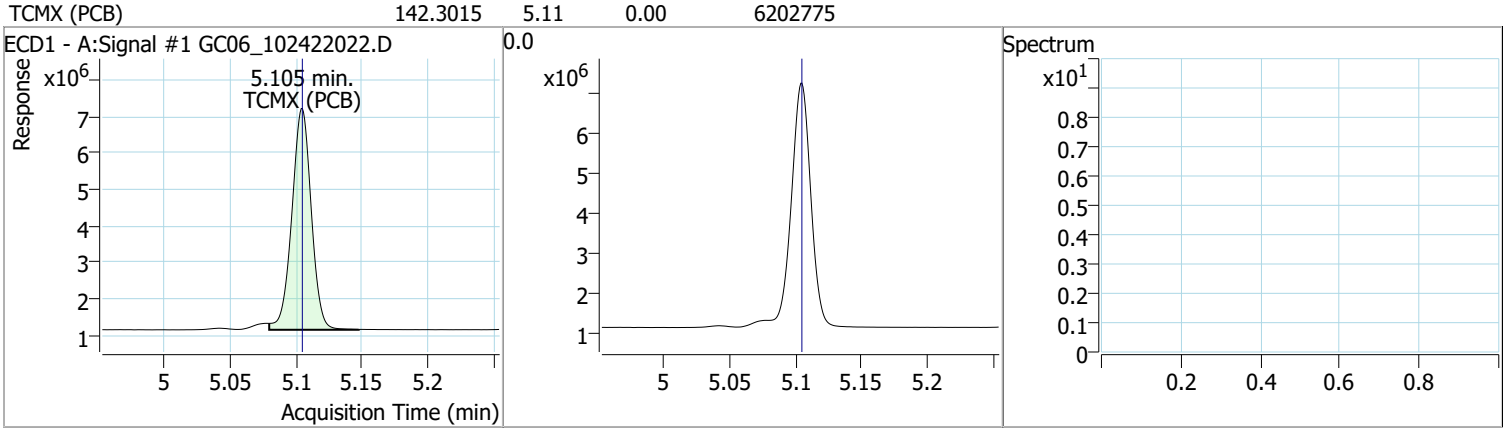


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.326	0.0	906626.221	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	3691149.717	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.105	0.0	6202774.952	142.3015	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 711.51%		*	
S TCMX (PCB) #2	5.503	0.0	25651002.263	144.7037	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 723.52%		*	
S Decachlorobiphenyl (PCB)	12.134	0.0	6098843.349	106.6672	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 533.34%		*	
S Decachlorobiphenyl (PCB) #2	13.573	0.0	20258174.033	105.7889	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 528.94%		*	
Target Compounds							QValue

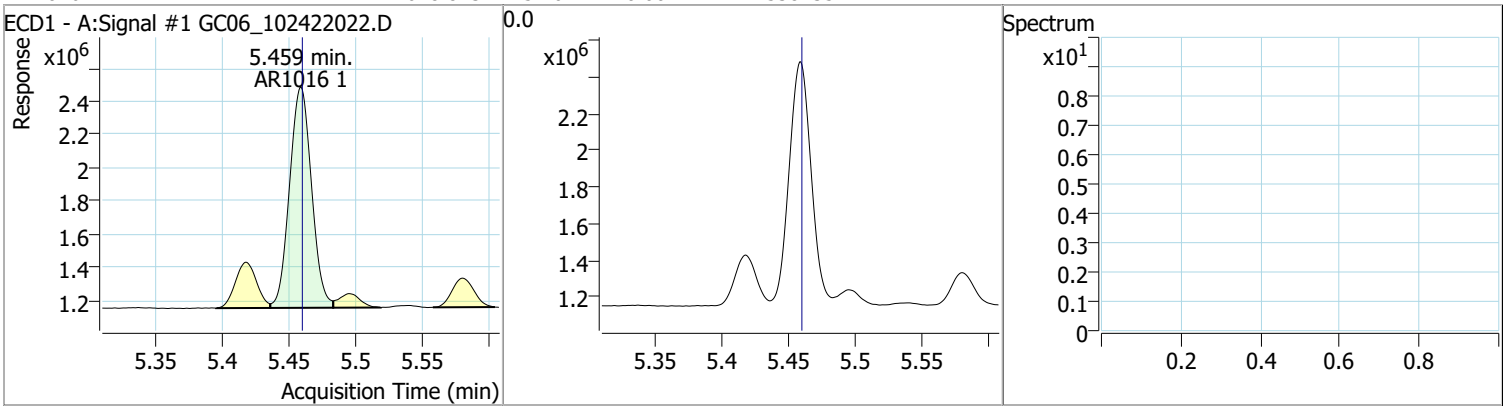
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.459	0.0	1538734.960	1618.8137	ng/ml		100
T AR1016 2	5.805	0.0	3184204.270	1669.3851	ng/ml		100
T AR1016 1 #2	6.003	0.0	6194471.019	1614.7027	ng/ml		100
T AR1016 3	6.285	0.0	3827451.052	1588.1636	ng/ml		100
T AR1016 4	6.431	0.0	2903211.966	1583.9087	ng/ml		100
T AR1016 2 #2	6.448	0.0	8887205.164	1604.8078	ng/ml	m	100
T AR1016 5	6.908	0.0	2292606.771	1552.8837	ng/ml		100
T AR1016 3 #2	7.033	0.0	15846370.157	1574.8198	ng/ml		100
T AR1016 4 #2	7.223	0.0	11463840.690	1595.8363	ng/ml		100
T AR1016 5 #2	7.966	0.0	9161537.220	1568.9859	ng/ml		100
T AR1260 1	8.881	0.0	4117618.549	1343.2907	ng/ml		100
T AR1260 2	9.341	0.0	6106282.504	1306.9692	ng/ml		100
T AR1260 3	9.752	0.0	6524007.873	1335.9676	ng/ml		100
T AR1260 1 #2	10.088	0.0	14980655.669	1363.7603	ng/ml		100
T AR1260 4	10.219	0.0	3788830.282	1453.5184	ng/ml		100
T AR1260 2 #2	10.343	0.0	17403792.021	1318.6185	ng/ml		100
T AR1260 5	10.582	0.0	8046003.993	1461.9072	ng/ml		100
T AR1260 3 #2	10.761	0.0	22258325.428	1332.3228	ng/ml		100
T AR1260 4 #2	11.176	0.0	13342427.945	1431.4709	ng/ml		100
T AR1260 5 #2	11.873	0.0	20128855.663	1431.1606	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

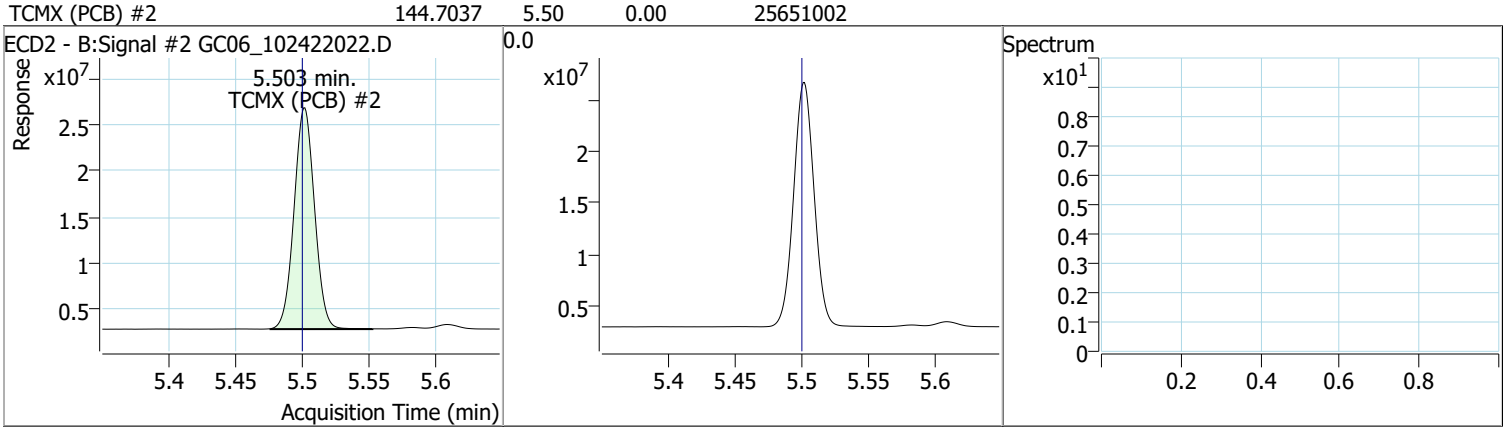
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	142.3015	5.11	0.00	6202775				



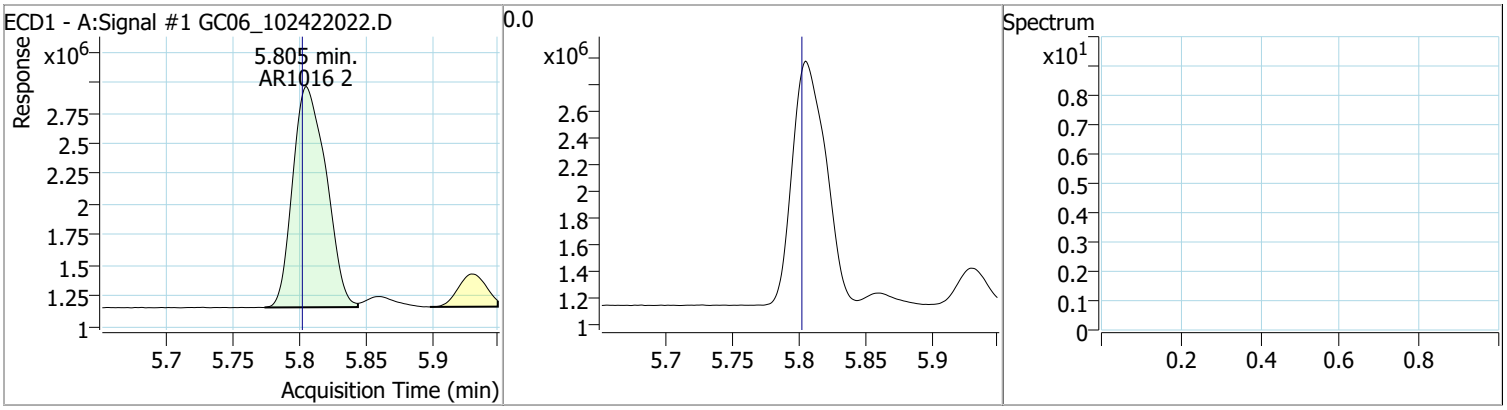
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1618.8137	5.46	0.00	1538735				



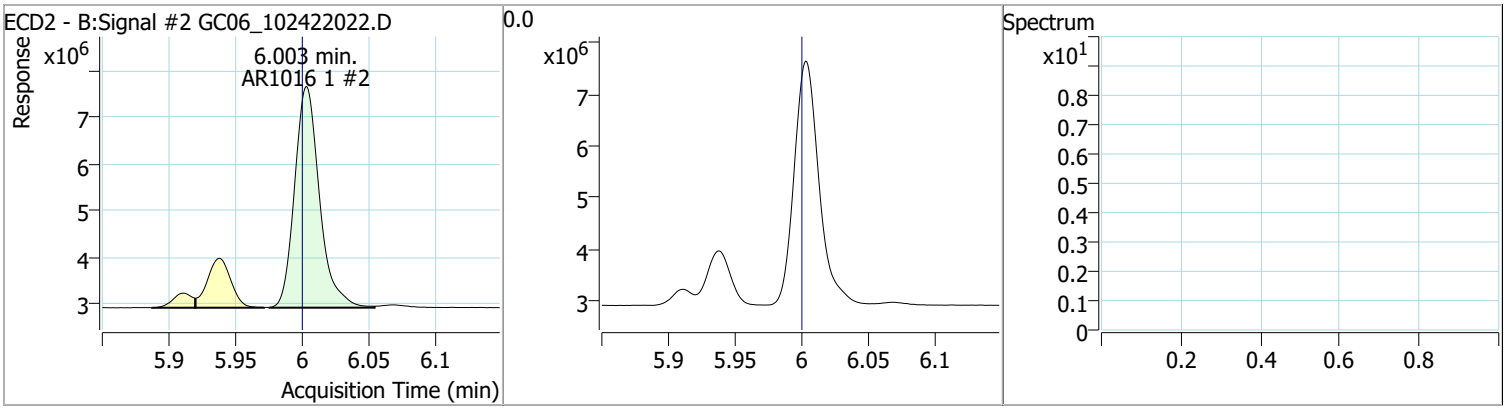
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	144.7037	5.50	0.00	25651002				



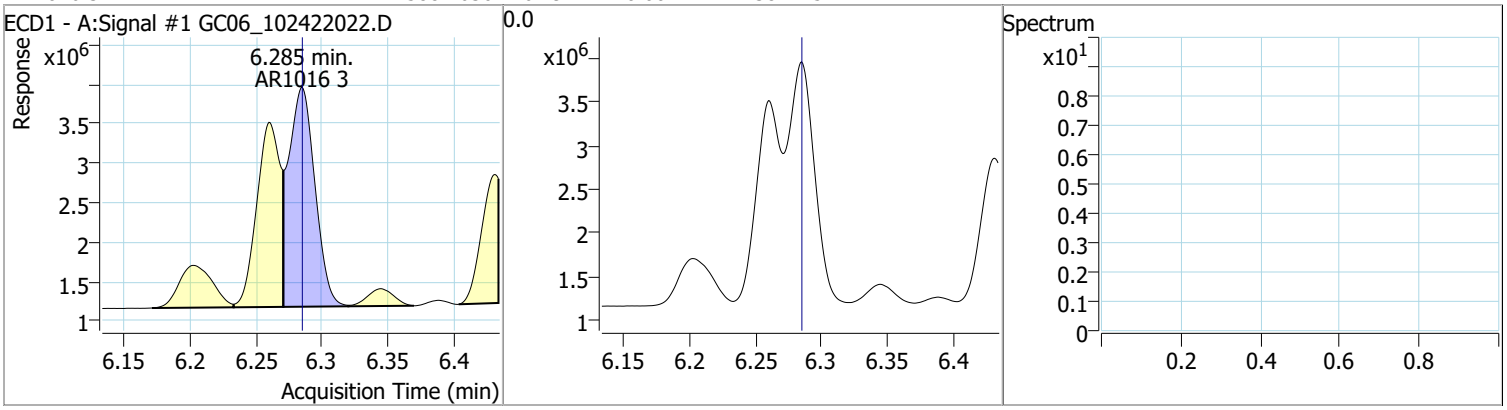
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1669.3851	5.81	0.00	3184204				



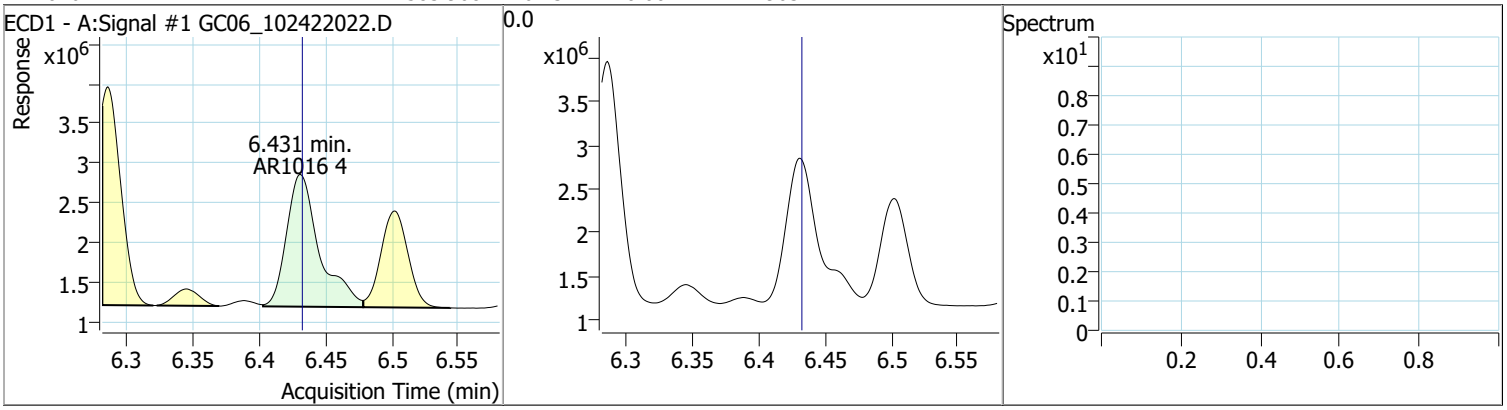
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1614.7027	6.00	0.00	6194471				



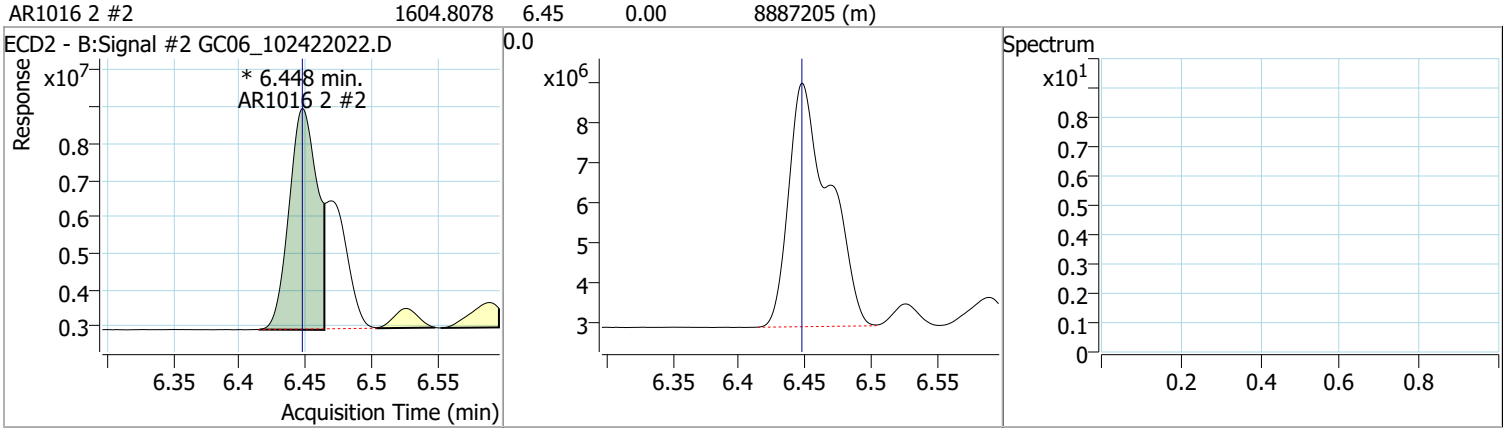
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1588.1636	6.29	0.00	3827451				



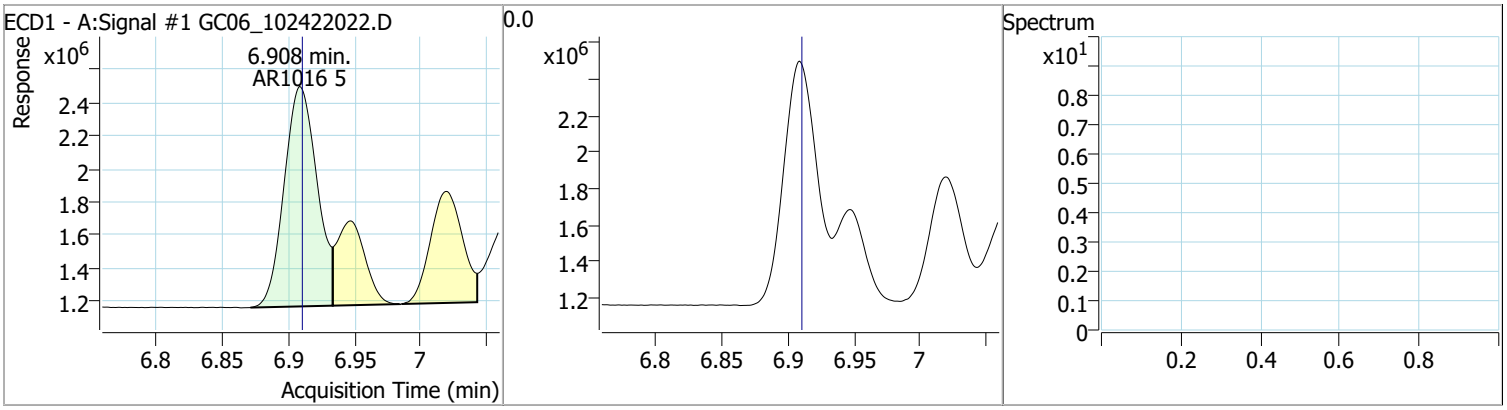
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1583.9087	6.43	0.00	2903212				



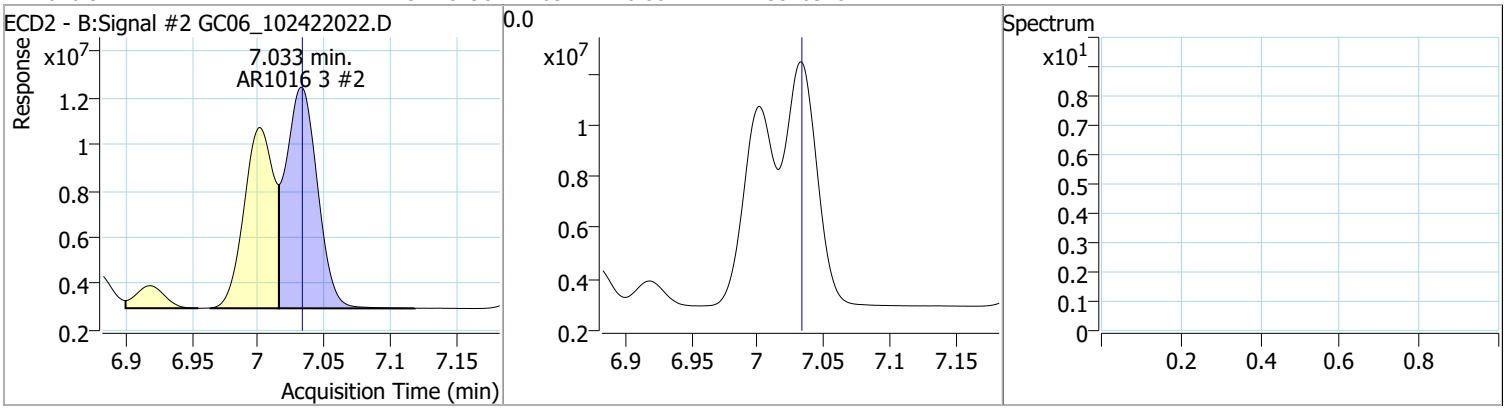
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1604.8078	6.45	0.00	8887205 (m)				



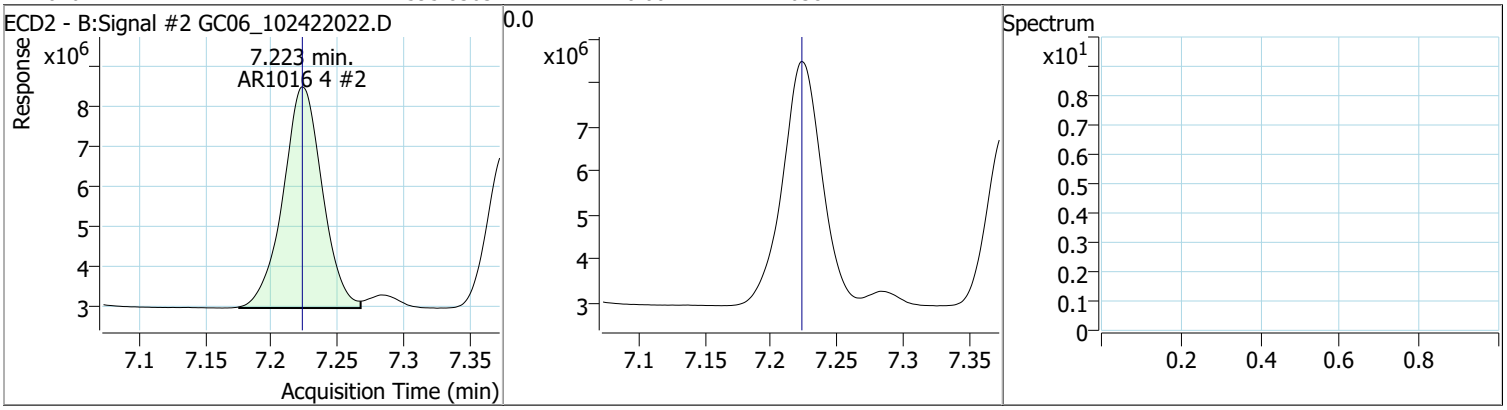
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1552.8837	6.91	0.00	2292607				



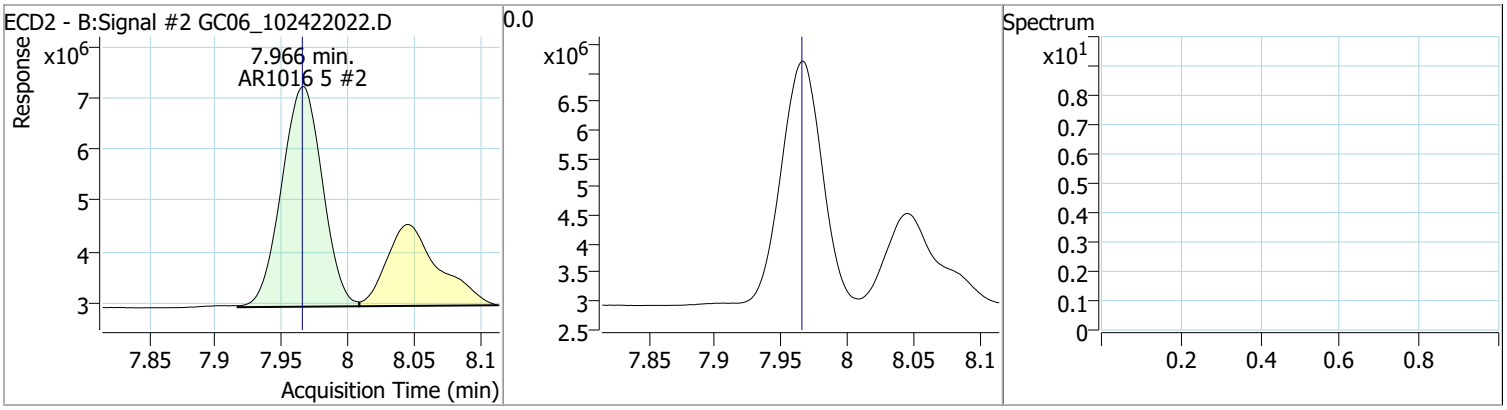
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1574.8198	7.03	0.00	15846370				



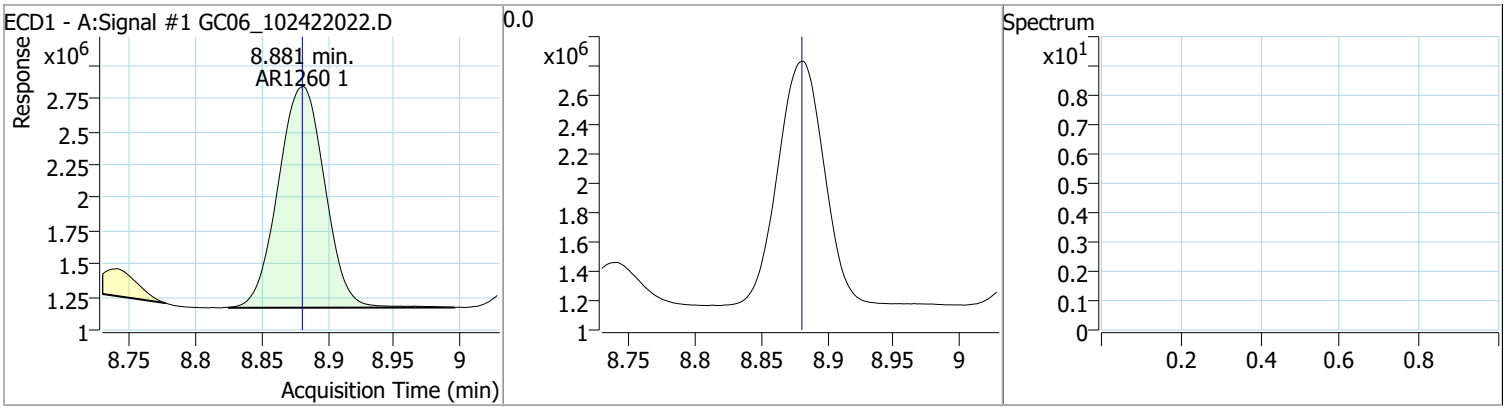
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1595.8363	7.22	0.00	11463841				



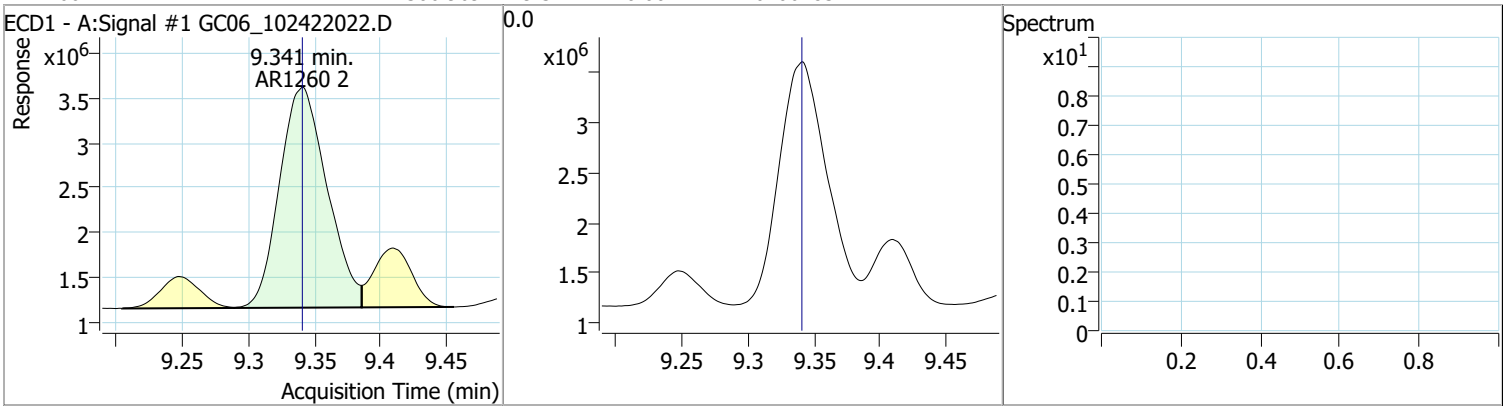
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1568.9859	7.97	0.00	9161537				



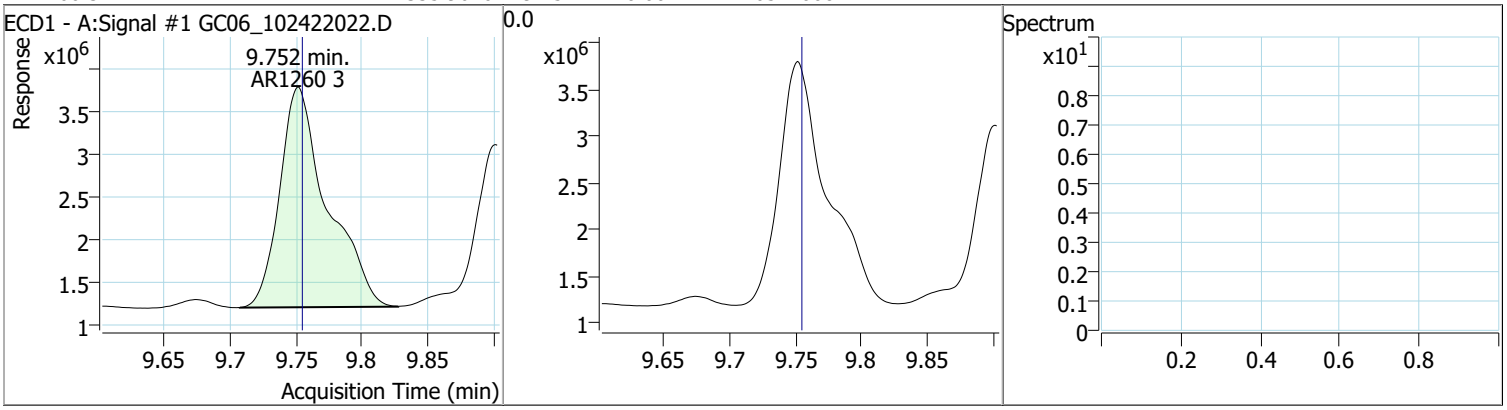
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1343.2907	8.88	0.00	4117619				



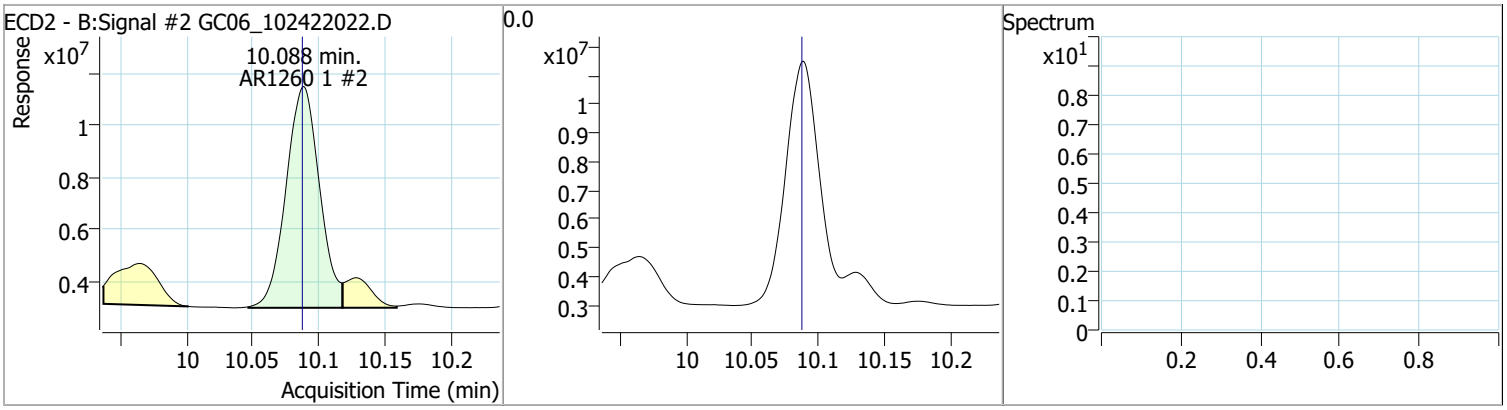
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1306.9692	9.34	0.00	6106283				



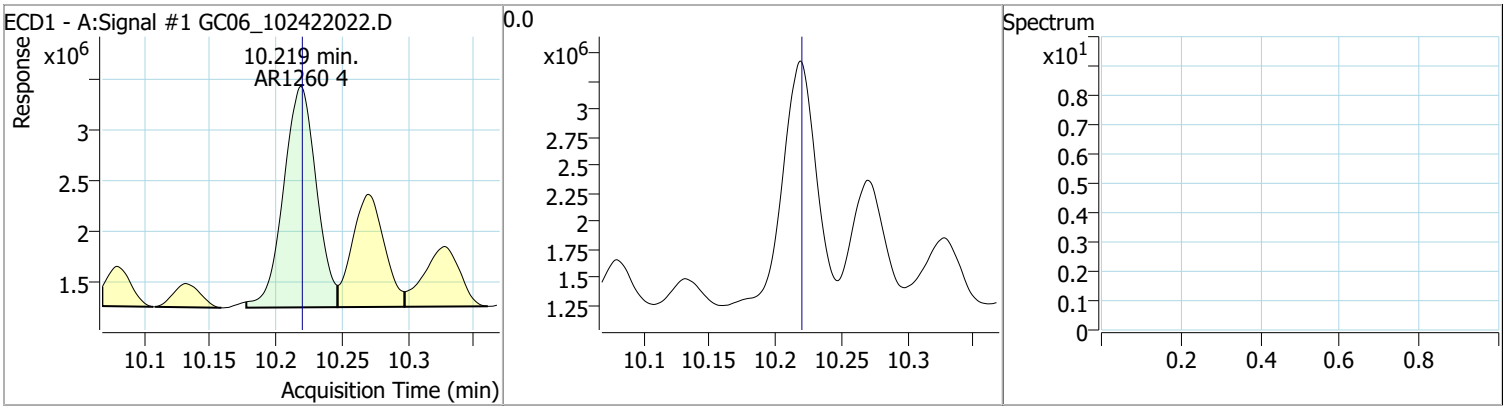
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1335.9676	9.75	0.00	6524008				



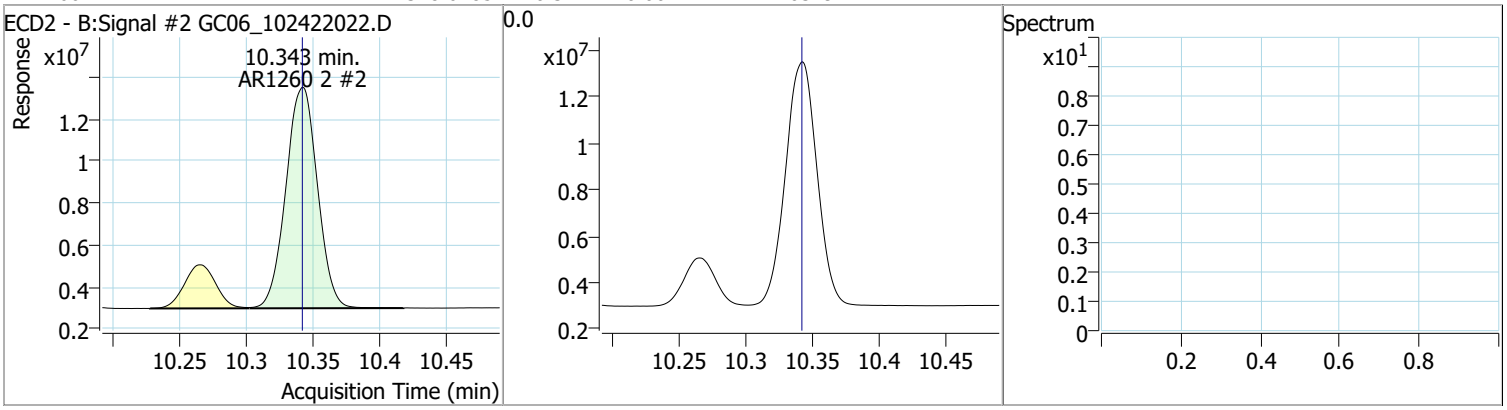
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1363.7603	10.09	0.00	14980656				



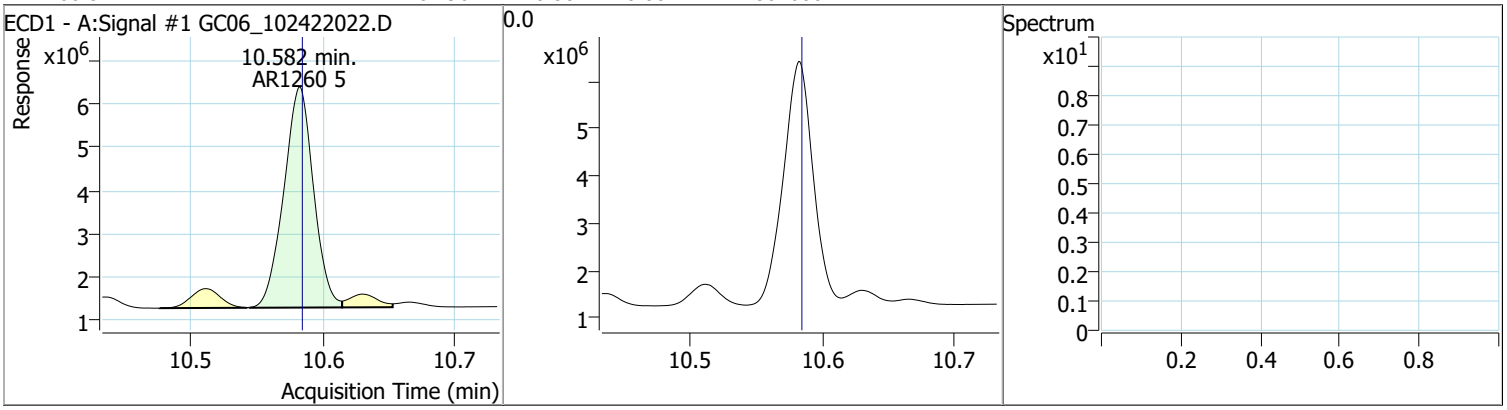
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1453.5184	10.22	0.00	3788830				



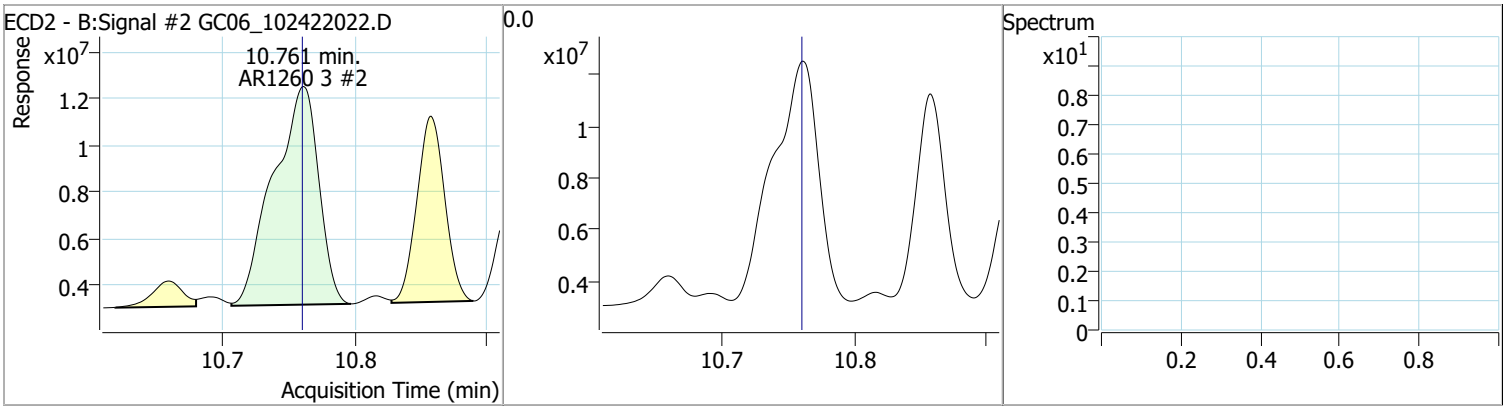
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1318.6185	10.34	0.00	17403792				



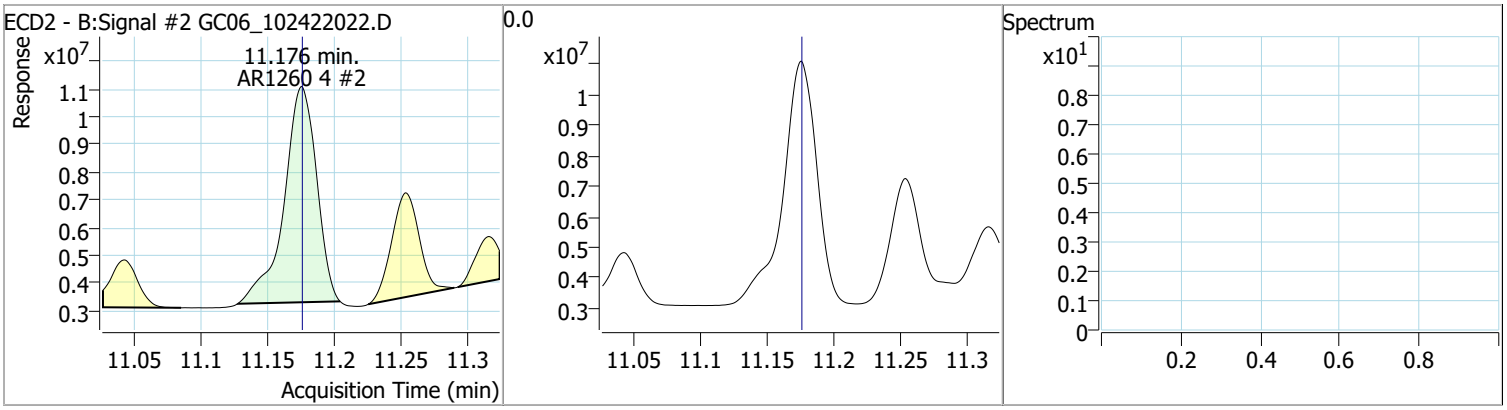
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1461.9072	10.58	0.00	8046004				



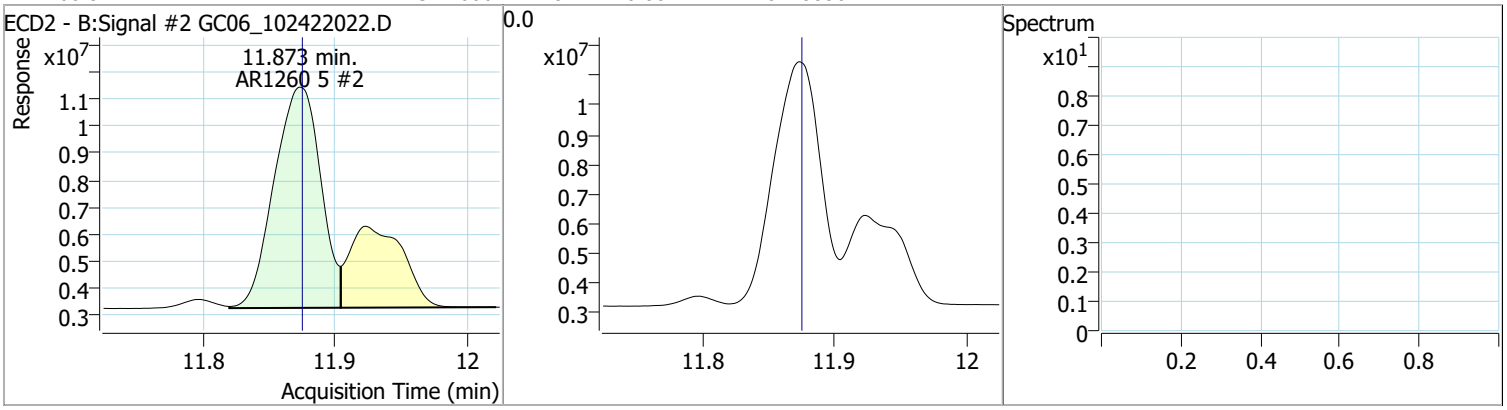
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1332.3228	10.76	0.00	22258325				



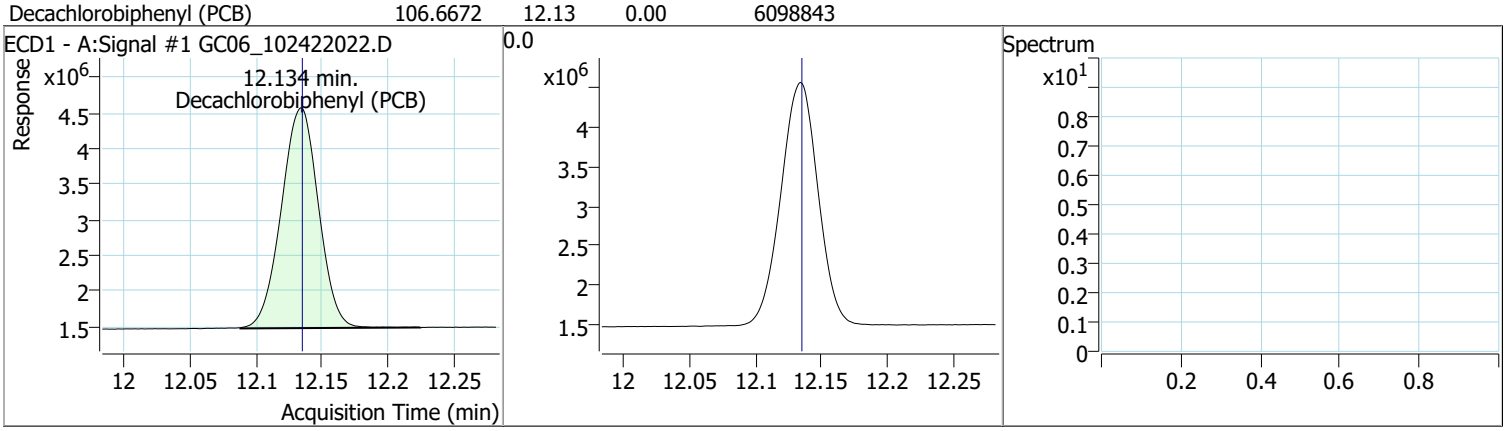
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1431.4709	11.18	0.00	13342428				



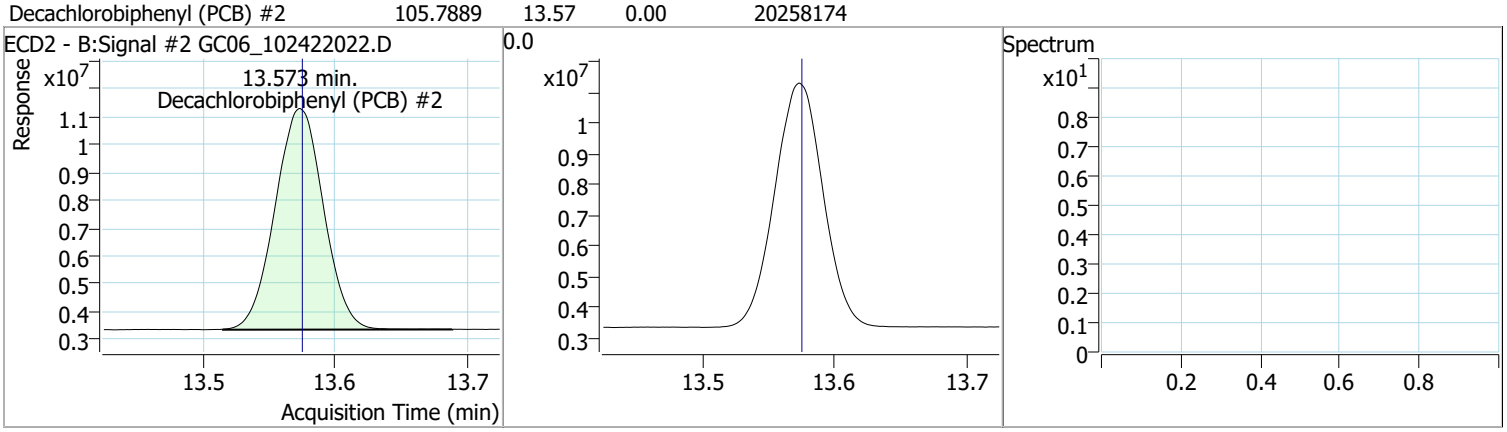
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1431.1606	11.87	0.00	20128856				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	106.6672	12.13	0.00	6098843				

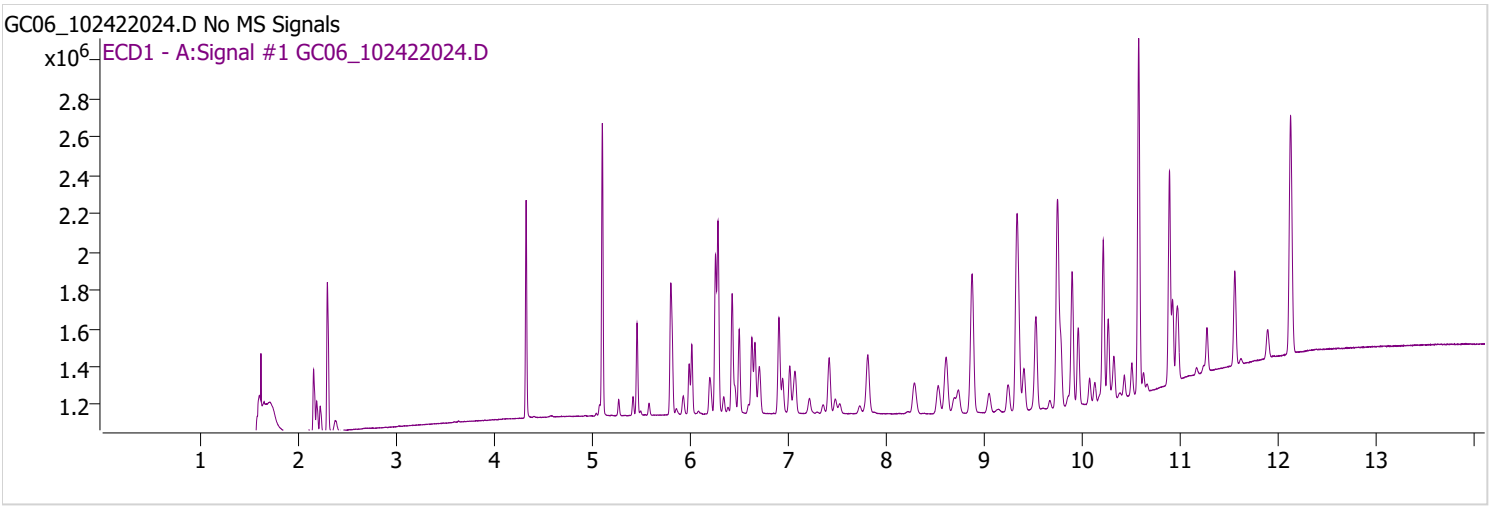


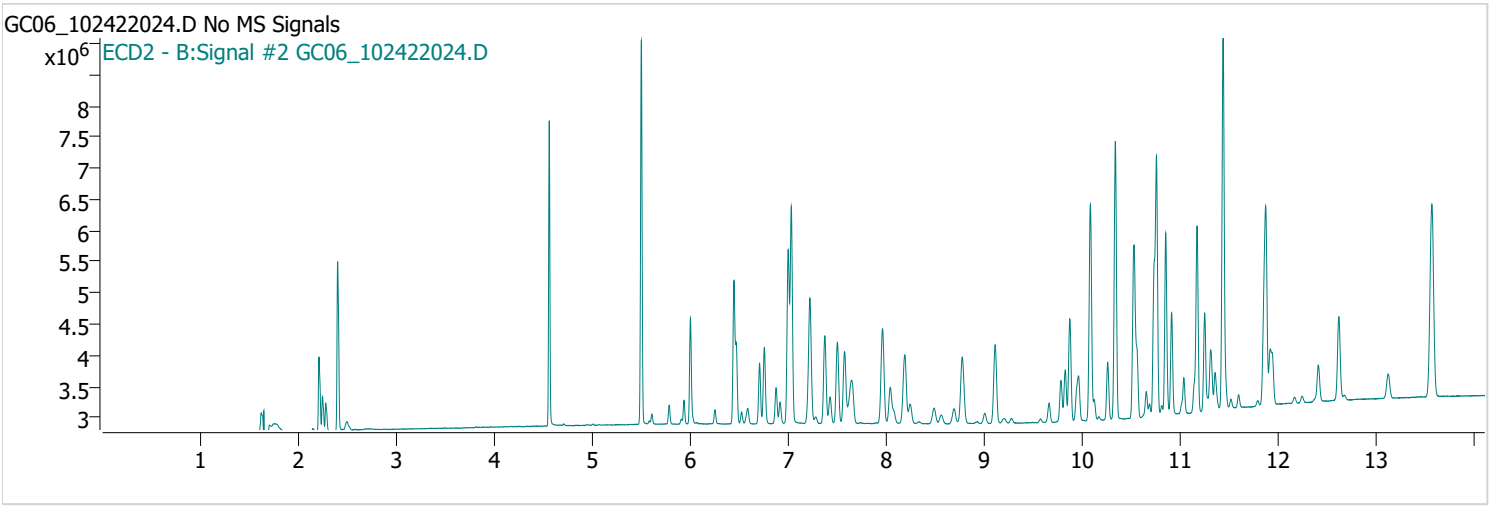
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	105.7889	13.57	0.00	20258174				



Quantitation Results Report (Not Reviewed)

Data File	GC06_102422024.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	10/24/2022 8:25:35 PM
Sample Name	ICV, S17235	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	102422_PCB cal.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



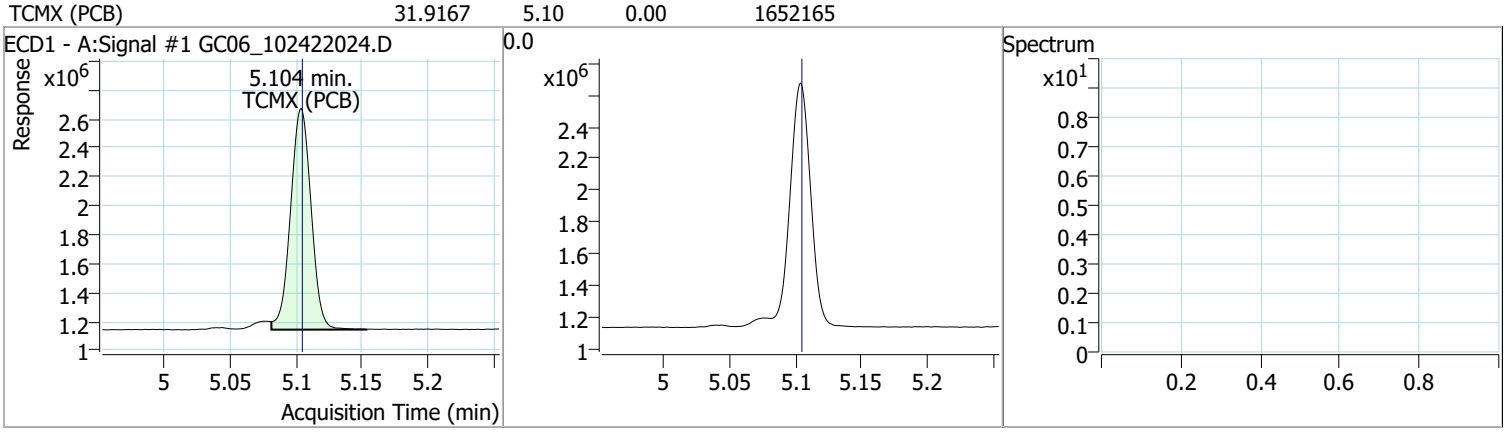


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.326	0.0	1076682.196	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.562	0.0	4397148.902	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	5.104	0.0	1652164.770	31.9167	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.58%		*	
S TCMX (PCB) #2	5.503	0.0	6722893.316	31.8363	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 159.18%		*	
S Decachlorobiphenyl (PCB)	12.132	0.0	2466843.073	33.4800	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 167.40%		*	
S Decachlorobiphenyl (PCB) #2	13.575	0.0	8011248.396	33.7063	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.53%		*	
Target Compounds							QValue

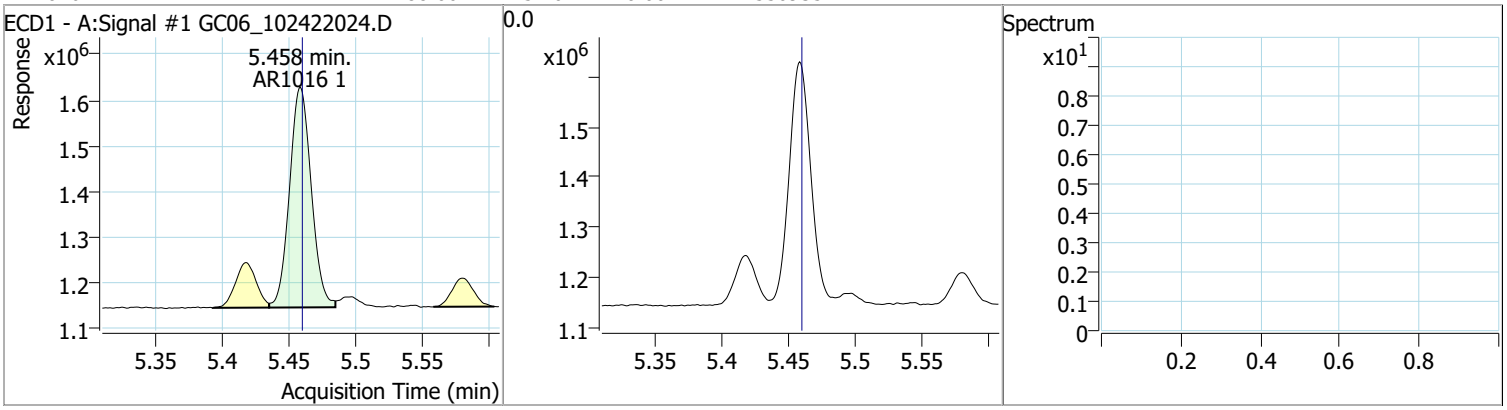
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.458	0.0	550935.426	488.0614	ng/ml		100
T AR1016 2	5.803	0.0	1189862.282	514.7354	ng/ml		100
T AR1016 1 #2	6.003	0.0	2242477.144	490.6896	ng/ml		100
T AR1016 3	6.285	0.0	1389465.420	485.4831	ng/ml		100
T AR1016 4	6.430	0.0	1046664.270	480.8388	ng/ml		100
T AR1016 2 #2	6.448	0.0	3255640.126	493.4972	ng/ml	m	100
T AR1016 5	6.908	0.0	816413.877	465.6509	ng/ml		100
T AR1016 3 #2	7.033	0.0	5620148.290	468.8558	ng/ml		100
T AR1016 4 #2	7.223	0.0	4113157.293	480.6445	ng/ml		100
T AR1016 5 #2	7.966	0.0	3287720.462	472.6461	ng/ml		100
T AR1260 1	8.880	0.0	1666464.315	457.7841	ng/ml		100
T AR1260 2	9.340	0.0	2597140.258	468.0849	ng/ml		100
T AR1260 3	9.752	0.0	2770140.676	477.6656	ng/ml		100
T AR1260 1 #2	10.088	0.0	6115733.850	467.3543	ng/ml		100
T AR1260 4	10.219	0.0	1373500.840	432.9684	ng/ml		100
T AR1260 2 #2	10.343	0.0	7171316.093	456.1048	ng/ml		100
T AR1260 5	10.581	0.0	2835639.223	421.1135	ng/ml		100
T AR1260 3 #2	10.763	0.0	9458173.779	475.2419	ng/ml		100
T AR1260 4 #2	11.178	0.0	5106288.877	443.8244	ng/ml		100
T AR1260 5 #2	11.878	0.0	7482914.204	433.7764	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

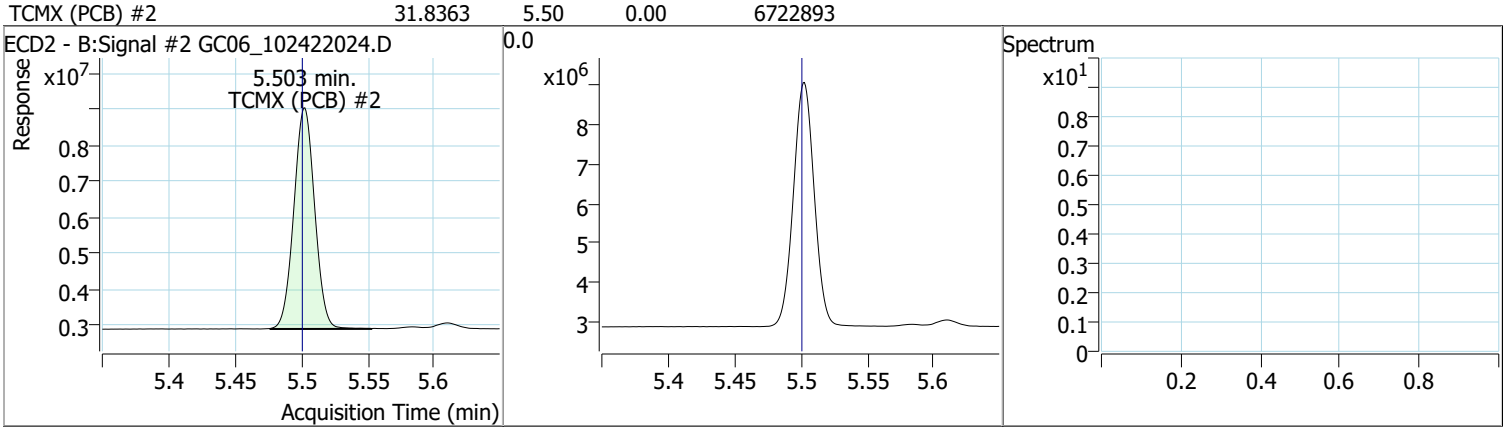
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.9167	5.10	0.00	1652165				



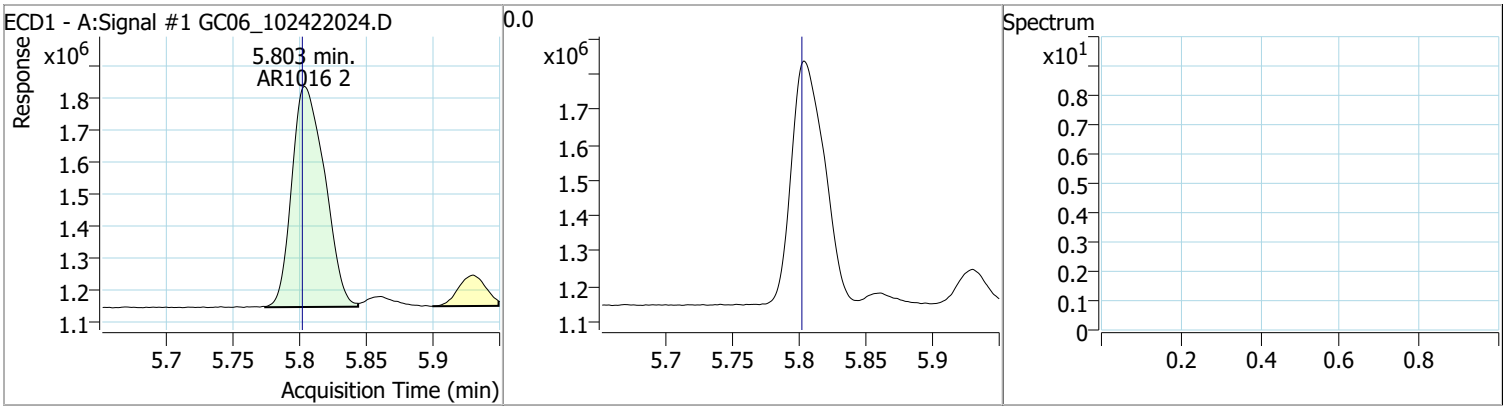
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	488.0614	5.46	0.00	550935				



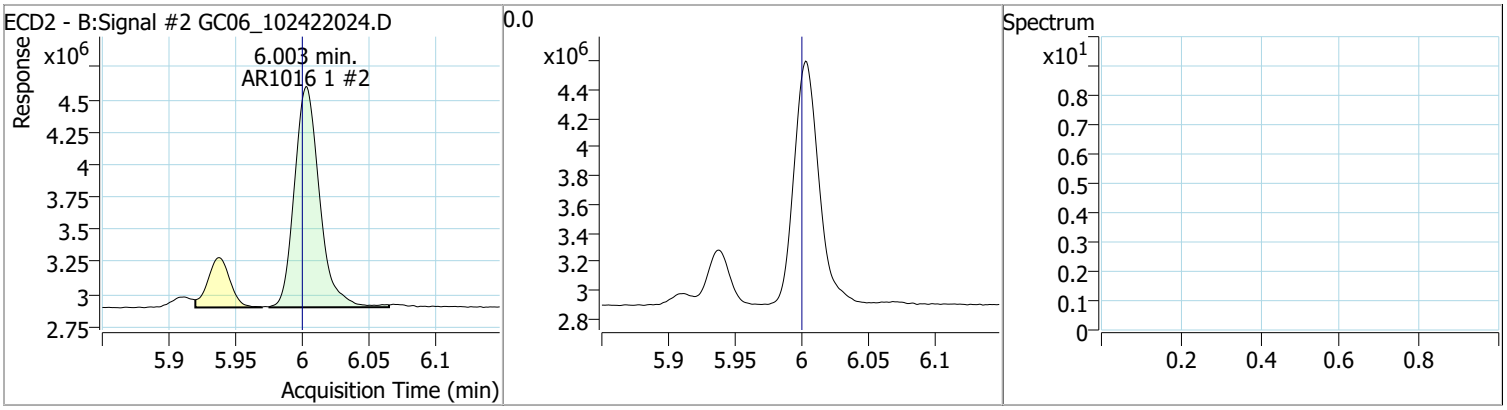
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	31.8363	5.50	0.00	6722893				



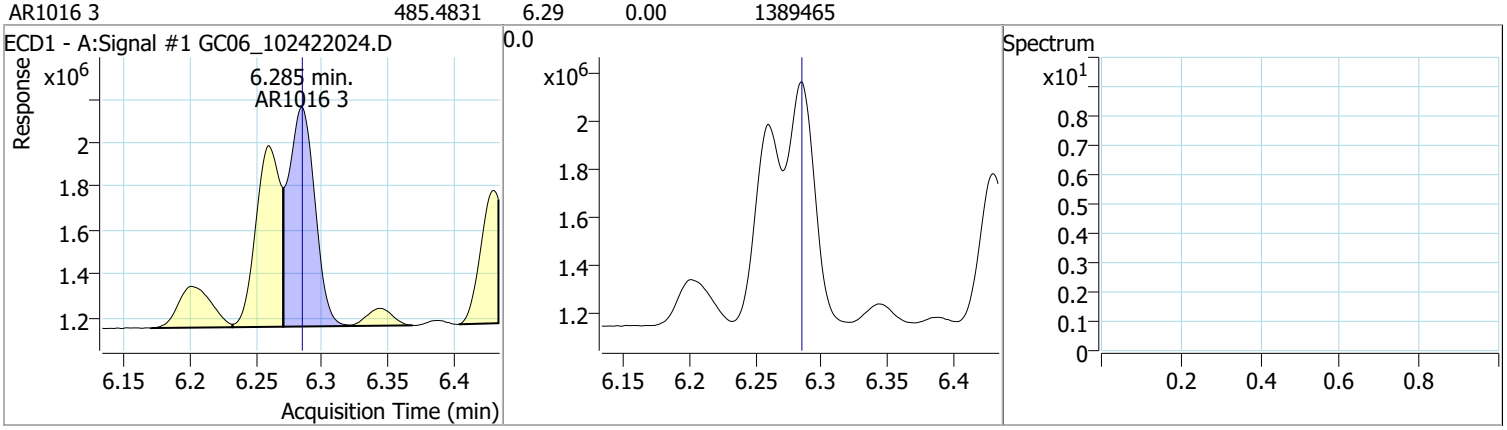
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	514.7354	5.80	0.00	1189862				



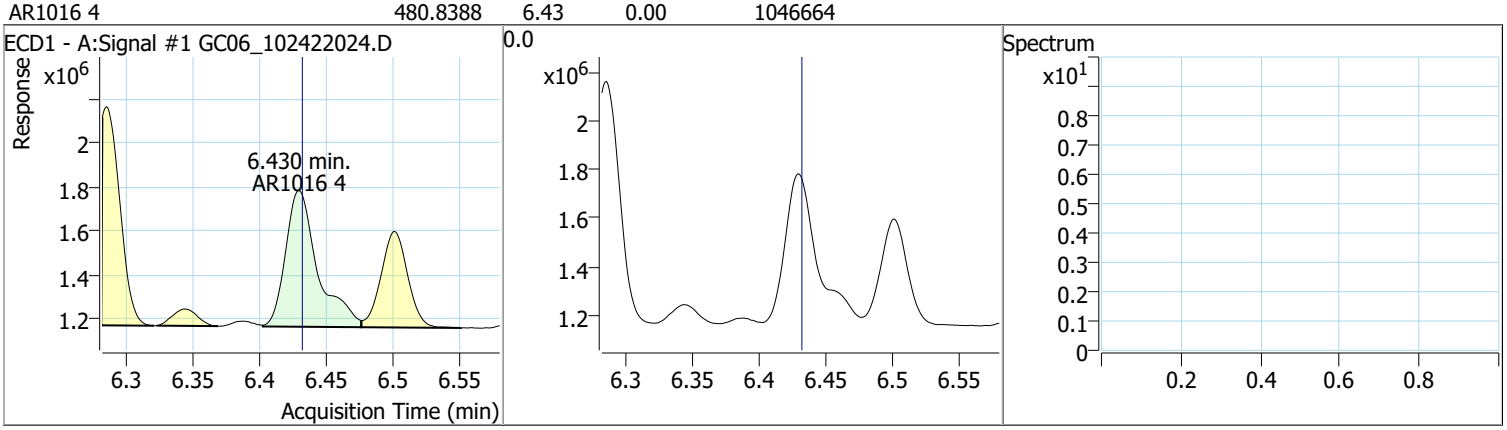
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	490.6896	6.00	0.00	2242477				



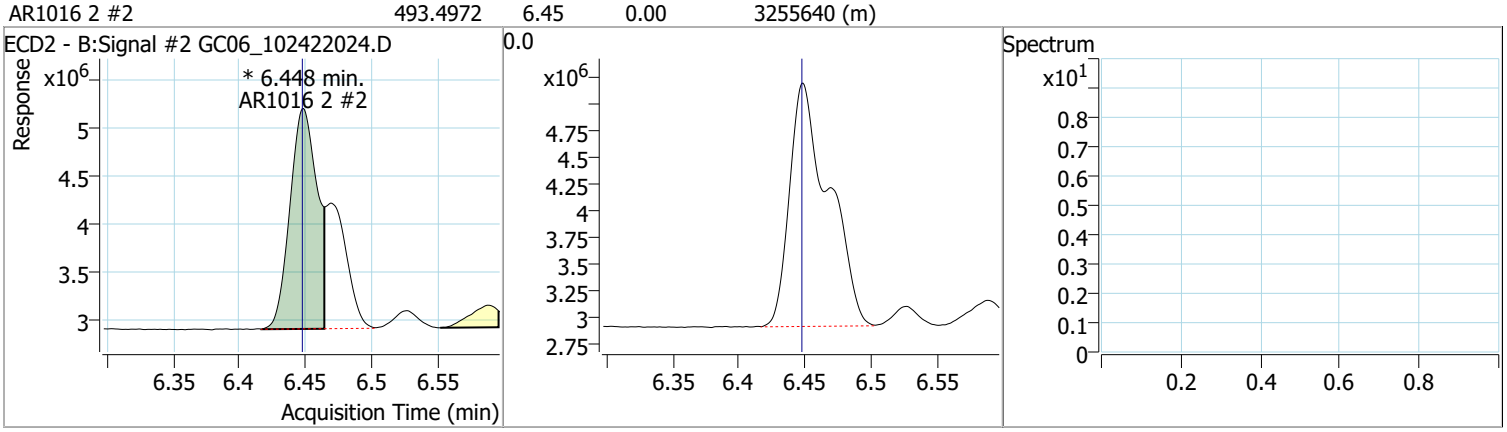
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	485.4831	6.29	0.00	1389465				



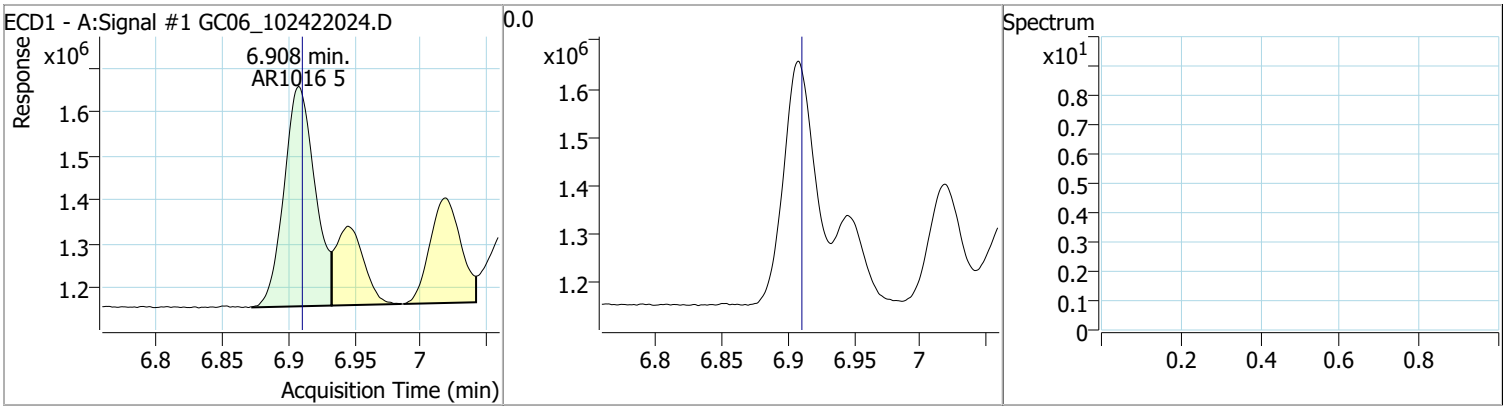
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	480.8388	6.43	0.00	1046664				



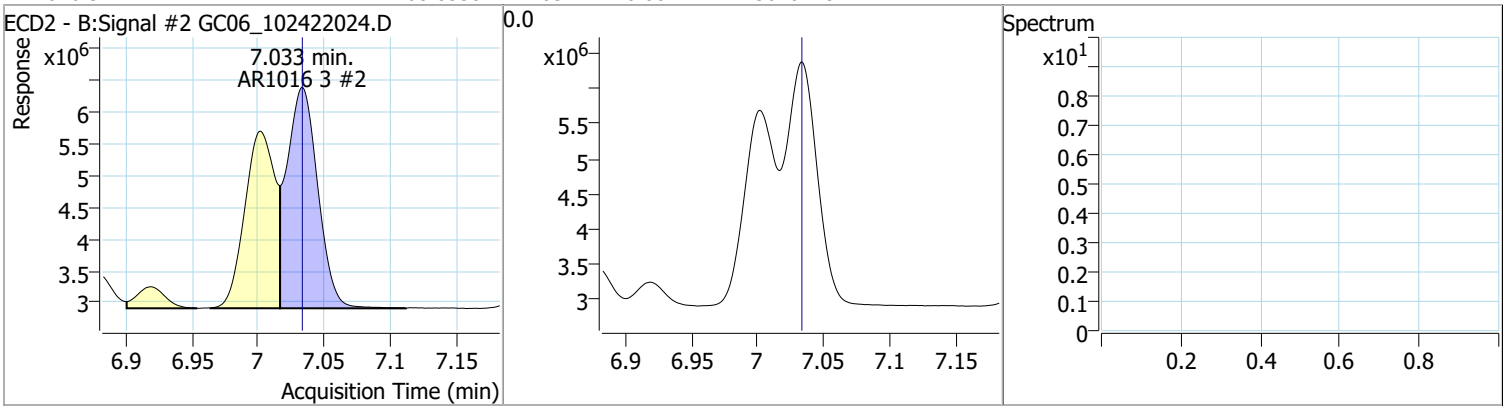
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	493.4972	6.45	0.00	3255640 (m)				



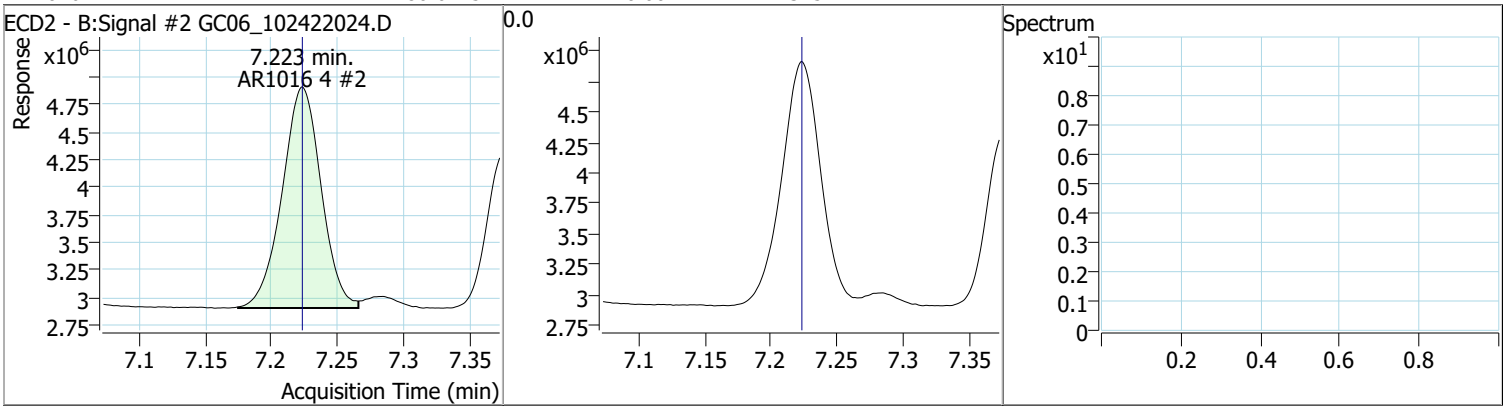
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	465.6509	6.91	0.00	816414				



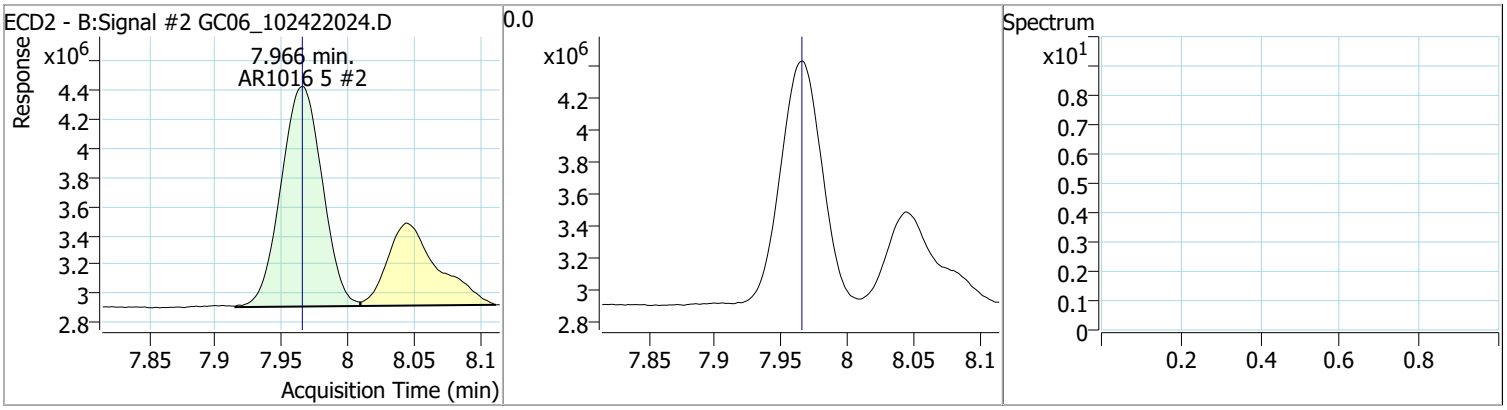
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	468.8558	7.03	0.00	5620148				



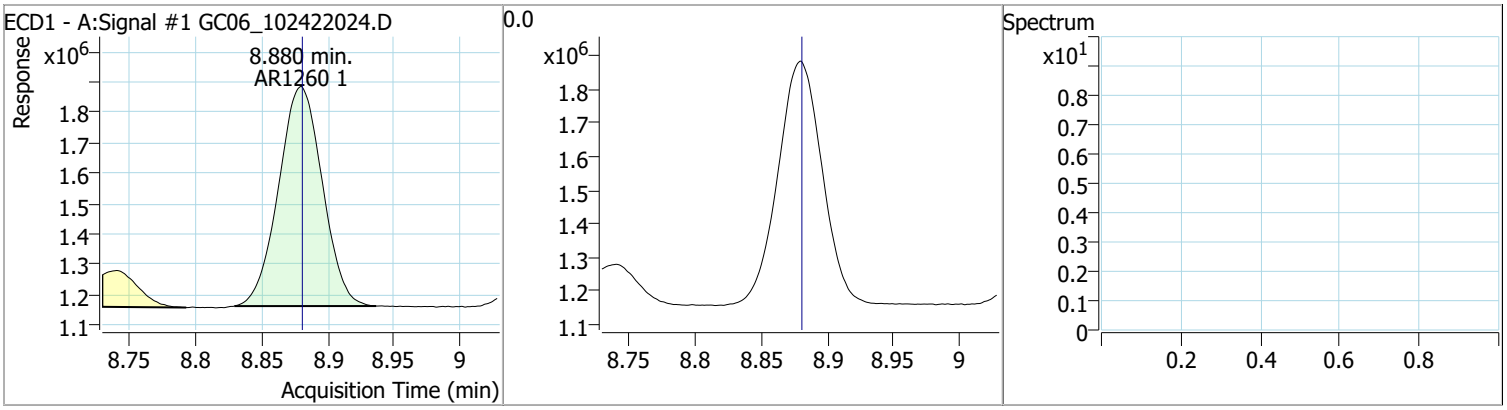
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	480.6445	7.22	0.00	4113157				



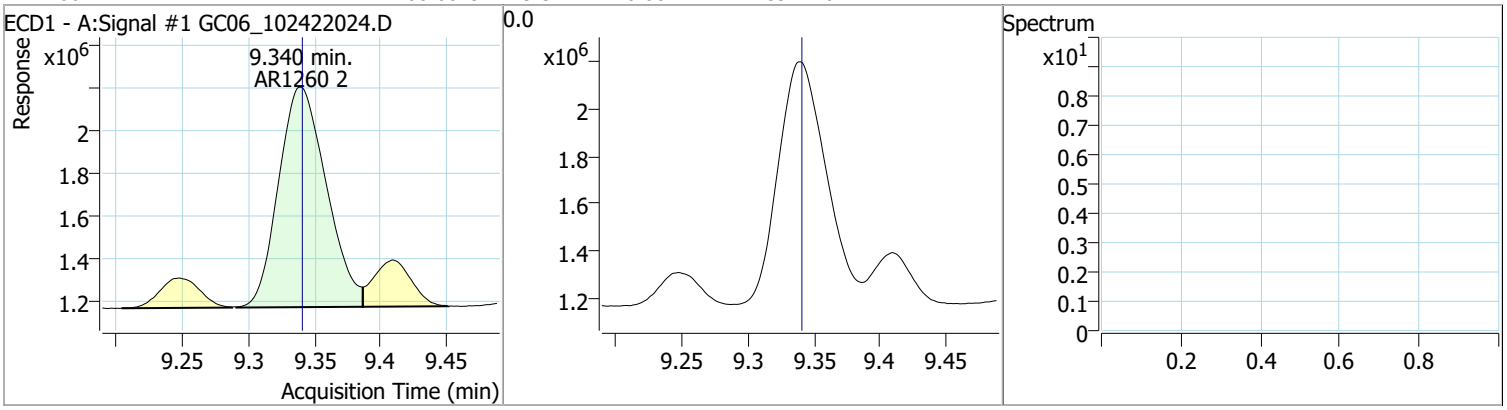
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	472.6461	7.97	0.00	3287720				



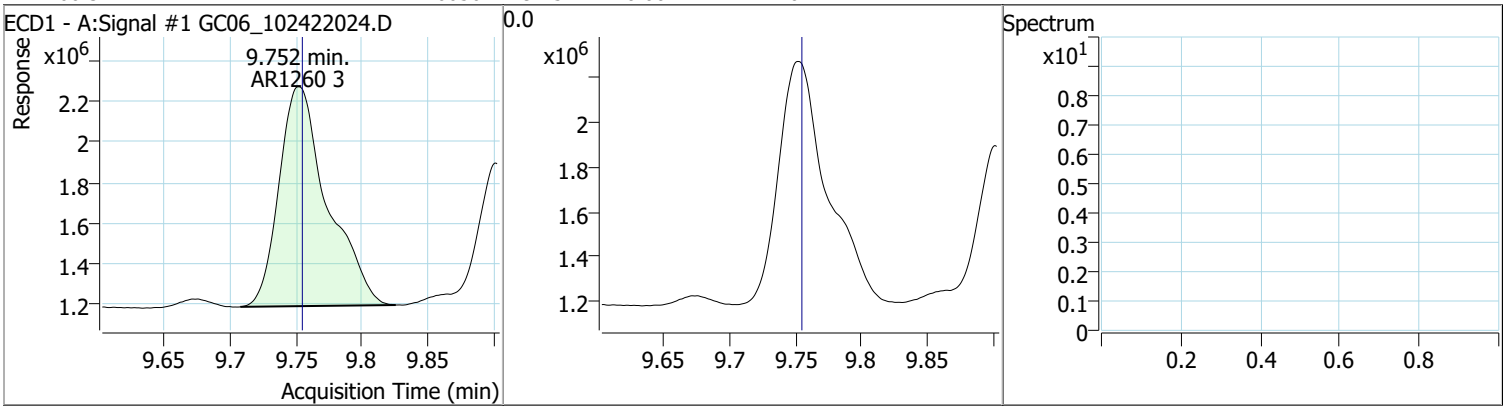
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	457.7841	8.88	0.00	1666464				



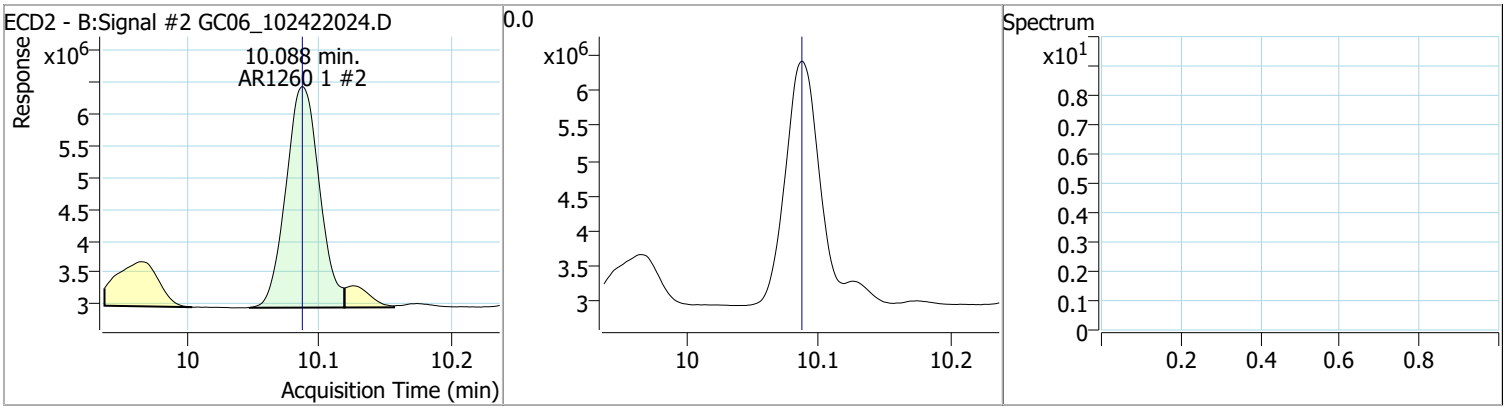
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	468.0849	9.34	0.00	2597140				



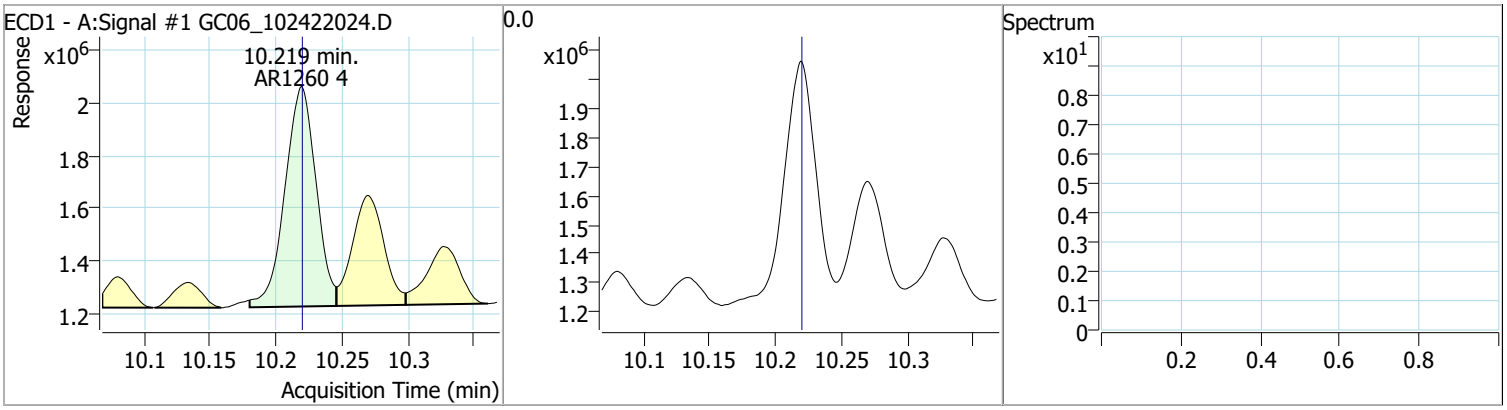
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	477.6656	9.75	0.00	2770141				



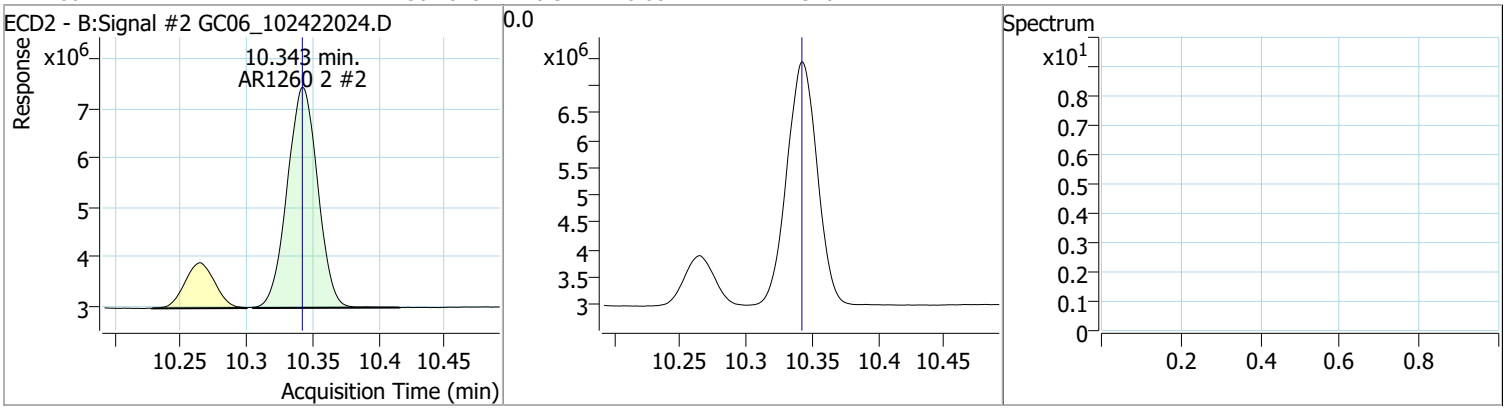
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	467.3543	10.09	0.00	6115734				



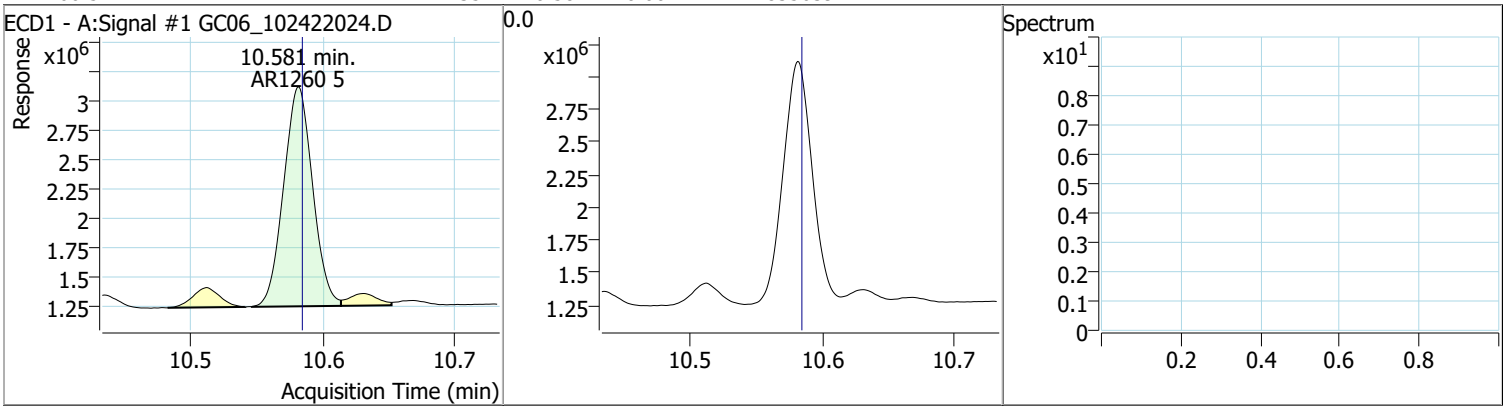
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	432.9684	10.22	0.00	1373501				



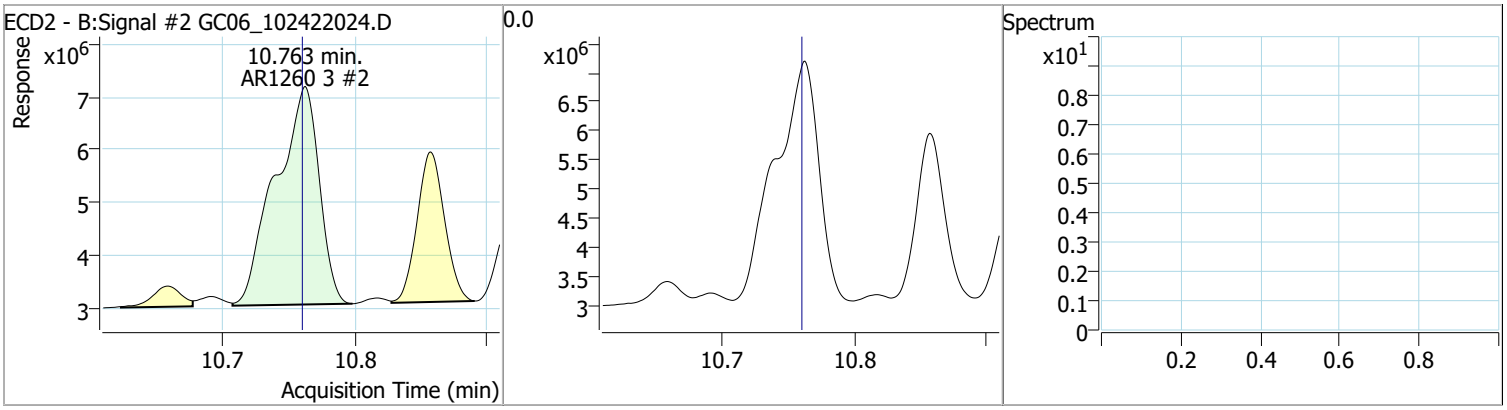
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	456.1048	10.34	0.00	7171316				



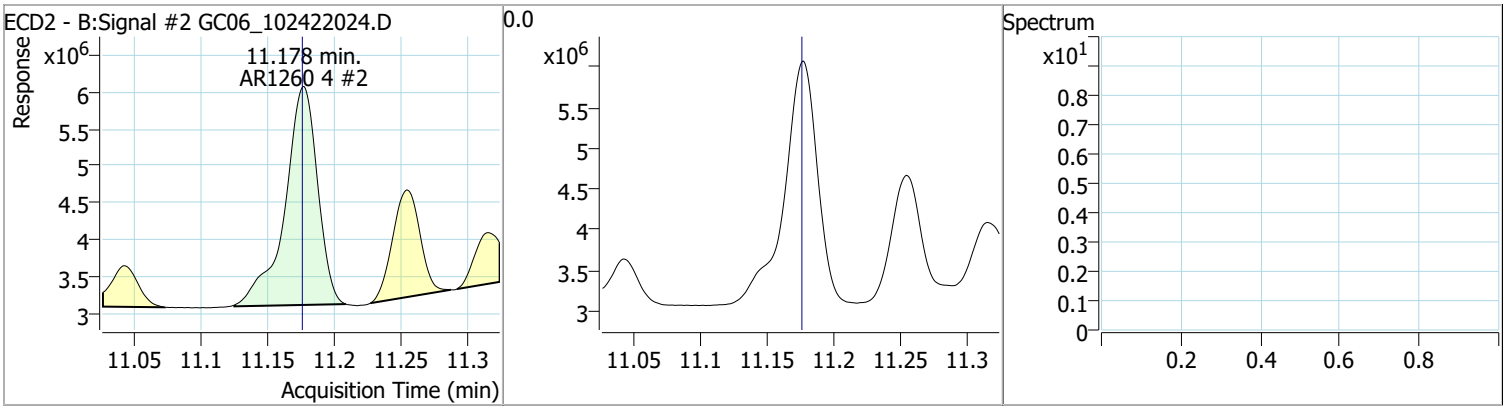
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	421.1135	10.58	0.00	2835639				



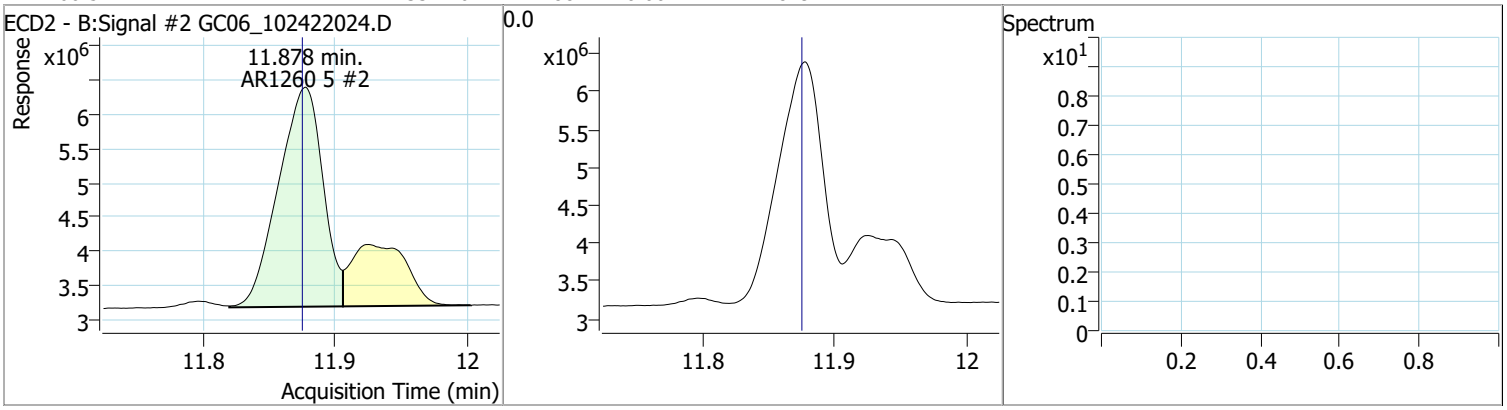
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	475.2419	10.76	0.00	9458174				



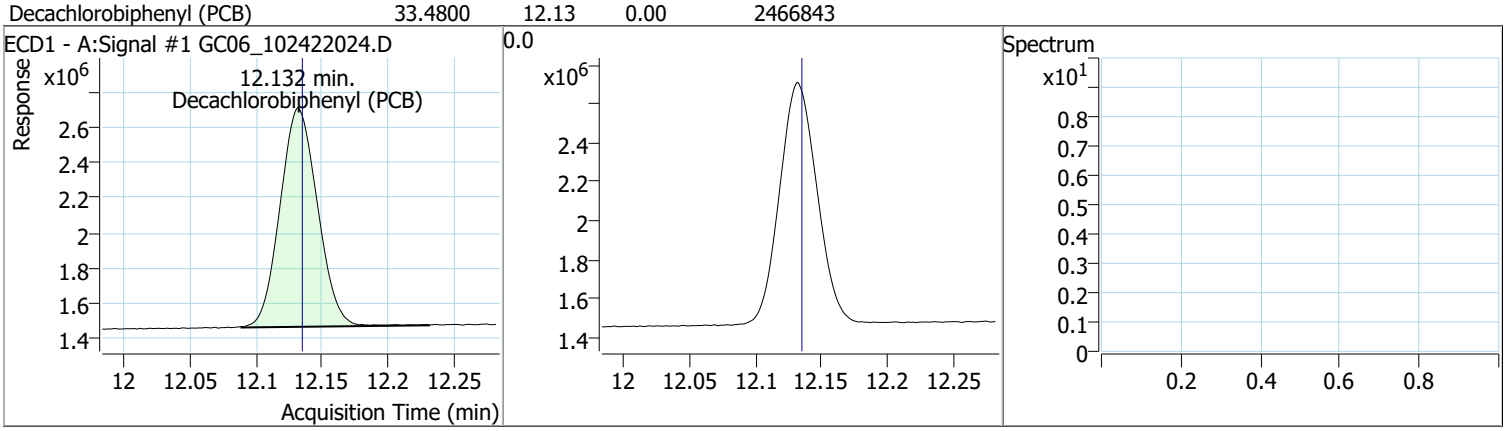
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	443.8244	11.18	0.00	5106289				



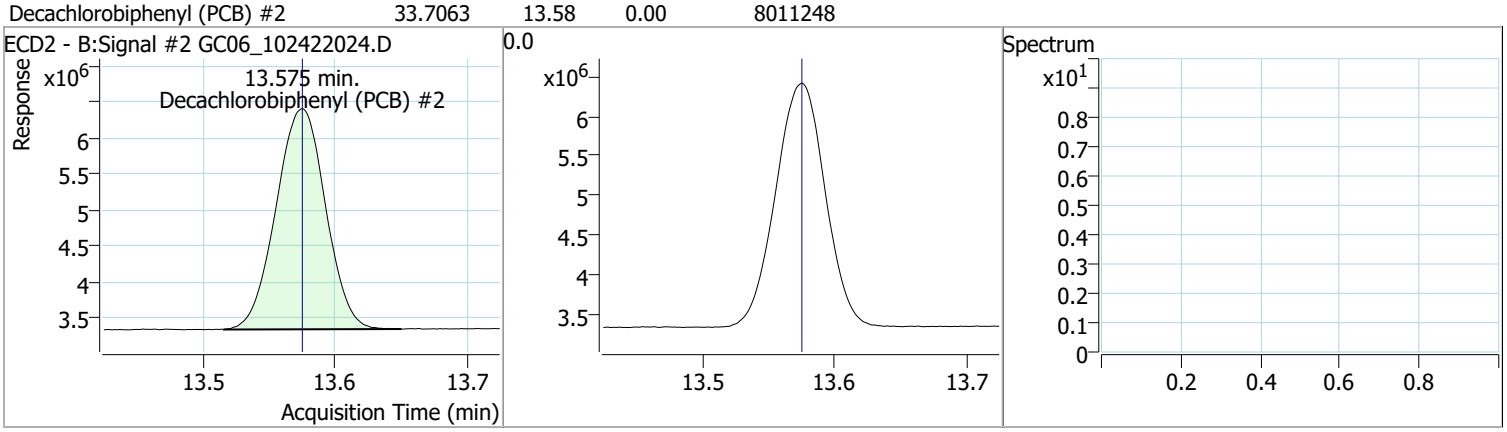
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	433.7764	11.88	0.00	7482914				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	33.4800	12.13	0.00	2466843				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	33.7063	13.58	0.00	8011248				



ENTHALPY INITIAL CALIBRATION FOR 473364 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	AR1268_120622_1
Calibration #:	452490110001	Date:	06-DEC-2022 09:48
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_120622005	452490110005		06-DEC-2022 09:48	S17467

Analyte	Ch	L1 RF	Type	a0	a1	a2	Avg RF	%RSD	Min r^2	Max %RSD	Flags
Aroclor-1268 Peak # 1	A	0.0325	AVRG		30.7781		0.0325	0	.99	20	
Aroclor-1268 Peak # 2	A	0.0423	AVRG		23.6558		0.0423	0	.99	20	
Aroclor-1268 Peak # 3	A	0.1651	AVRG		6.05651		0.1651	0	.99	20	
Aroclor-1268 Peak # 4	A	0.1306	AVRG		7.65768		0.1306	0	.99	20	
Aroclor-1268 Peak # 5	A	0.4491	AVRG		2.22665		0.4491	0	.99	20	
Aroclor-1268 Peak # 1	B	0.0242	AVRG		41.3563		0.0242	0	.99	20	
Aroclor-1268 Peak # 2	B	0.0297	AVRG		33.7219		0.0297	0	.99	20	
Aroclor-1268 Peak # 3	B	0.1170	AVRG		8.55004		0.1170	0	.99	20	
Aroclor-1268 Peak # 4	B	0.0949	AVRG		10.5329		0.0949	0	.99	20	
Aroclor-1268 Peak # 5	B	0.3210	AVRG		3.11494		0.3210	0	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

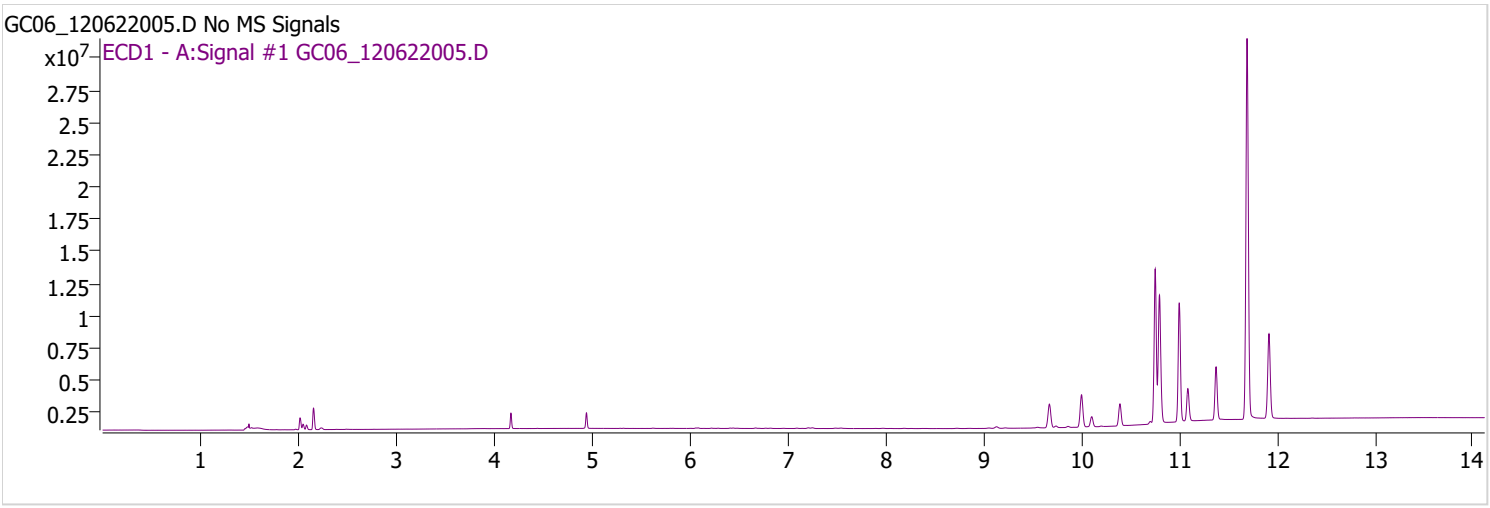
Spiked Amounts / Drifts	Ch	L1	%D
Aroclor-1268 Peak # 1	A	2000.0	0
Aroclor-1268 Peak # 2	A	2000.0	0
Aroclor-1268 Peak # 3	A	2000.0	0
Aroclor-1268 Peak # 4	A	2000.0	0
Aroclor-1268 Peak # 5	A	2000.0	0
Aroclor-1268 Peak # 1	B	2000.0	0
Aroclor-1268 Peak # 2	B	2000.0	0
Aroclor-1268 Peak # 3	B	2000.0	0
Aroclor-1268 Peak # 4	B	2000.0	0
Aroclor-1268 Peak # 5	B	2000.0	0

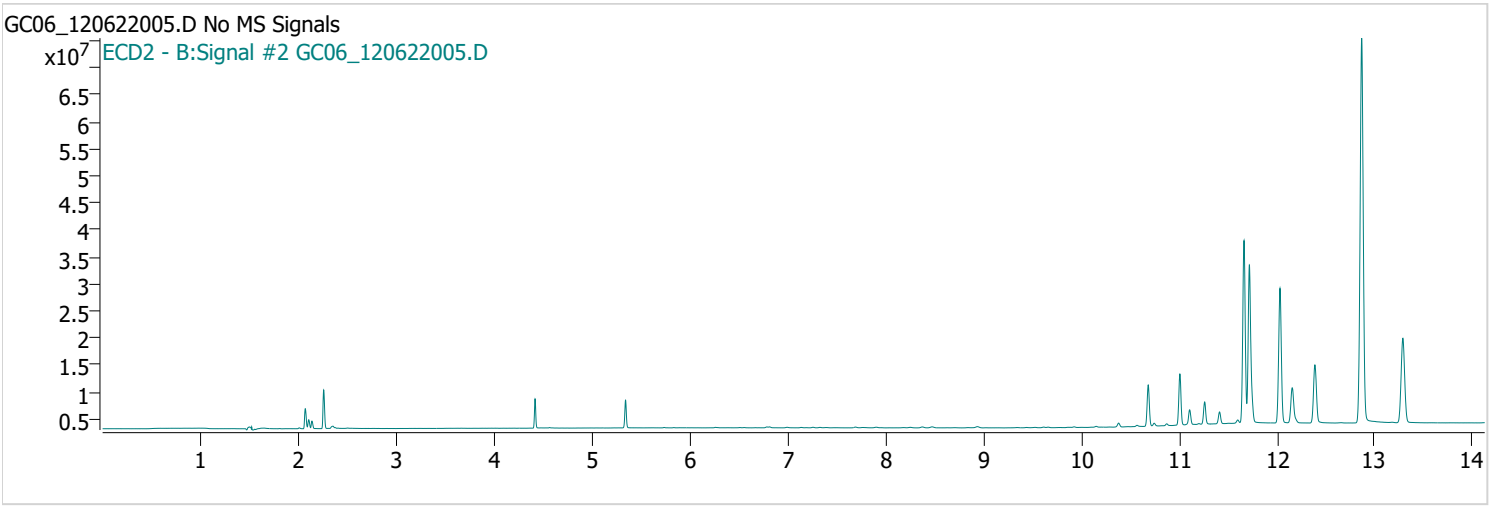
Analyst: TJW 12/08/22

Reviewer: LW 12/08/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_120622005.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 9:48:18 AM
Sample Name	ICAL, S17467	Instrument	SVOA-GC06
Vial	150	Multiplier	1.00
DA Method File	PCB_AR1268_120622_GC06_1.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_AR1268.batch.bin	Last Calib Update	12/6/2022 3:56:13 PM
Ref Library			



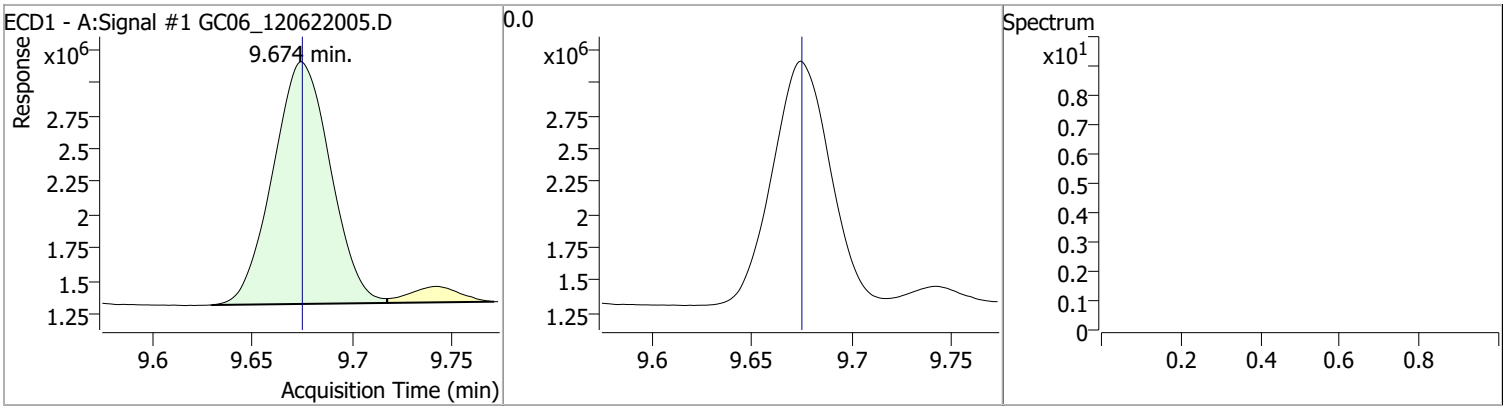


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (1268)	4.173	0.0	1140077.280	20.0000	ng/ml	0.000
M 1-bromo-2-nitrobenzene (1268) #2	4.419	0.0	4929107.138	20.0000	ng/ml	0.000
System Monitoring Compounds						
Target Compounds						**QValue**
T AR1268 1	9.674	0.0	3704182.148	2000.0000	ng/ml	100
T AR1268 2	10.003	0.0	4819450.145	2000.0000	ng/ml	100
T Aroclor-1268	10.626	0.0	18687436.736	2000.0000	ng/ml	
T AR1268 1 #2	10.685	0.0	11918643.740	2000.0000	ng/ml	100
T AR1268 3	10.756	0.0	18823988.265	2000.0000	ng/ml	100
T AR1268 4	11.001	0.0	14888027.009	2000.0000	ng/ml	100

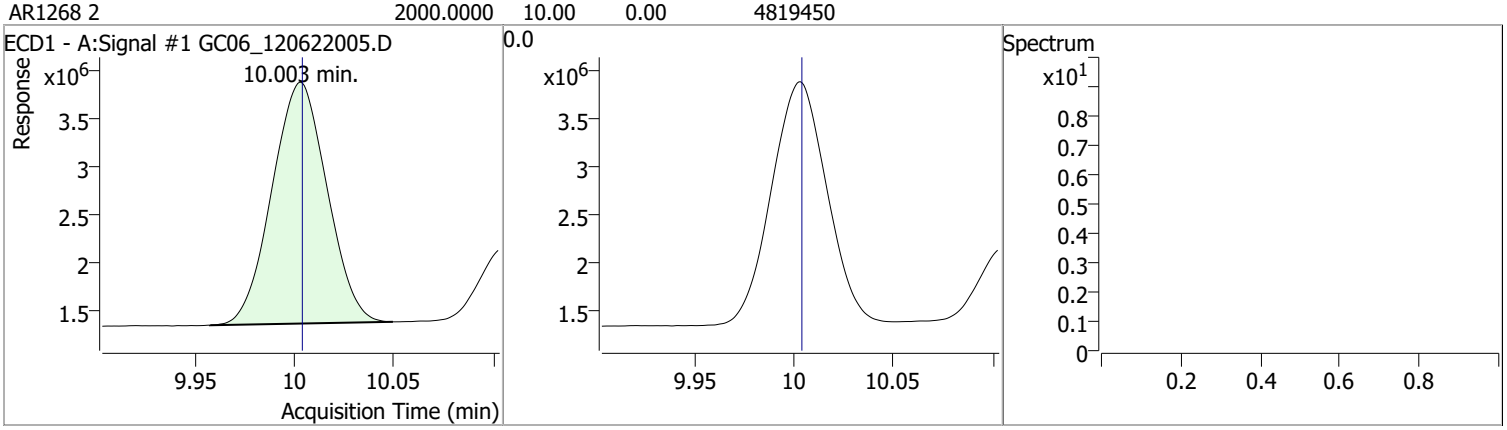
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1268 2 #2	11.008	0.0	14616932.463	2000.0000	ng/ml	100
T AR1268 3 #2	11.664	0.0	57650123.799	2000.0000	ng/ml	100
T AR1268 5	11.694	0.0	51201536.112	2000.0000	ng/ml	100
T Aroclor-1268 #2	11.651	0.0	57844746.658	2000.0000	ng/ml	
T AR1268 4 #2	12.032	0.0	46797206.967	2000.0000	ng/ml	100
T AR1268 5 #2	12.867	0.0	158240826.320	2000.0000	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

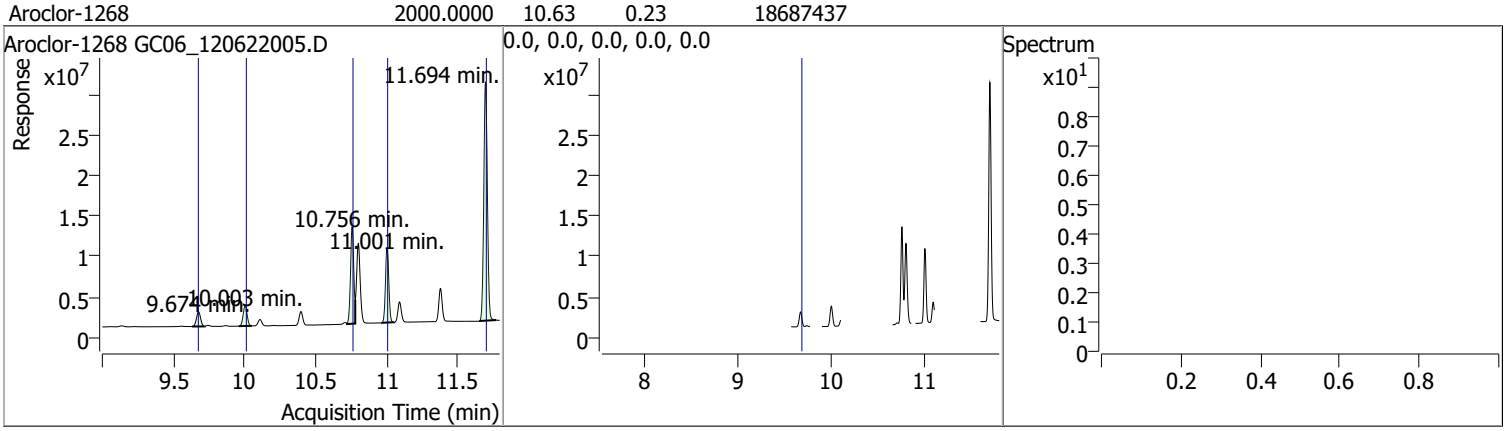
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1	2000.0000	9.67	0.00	3704182				



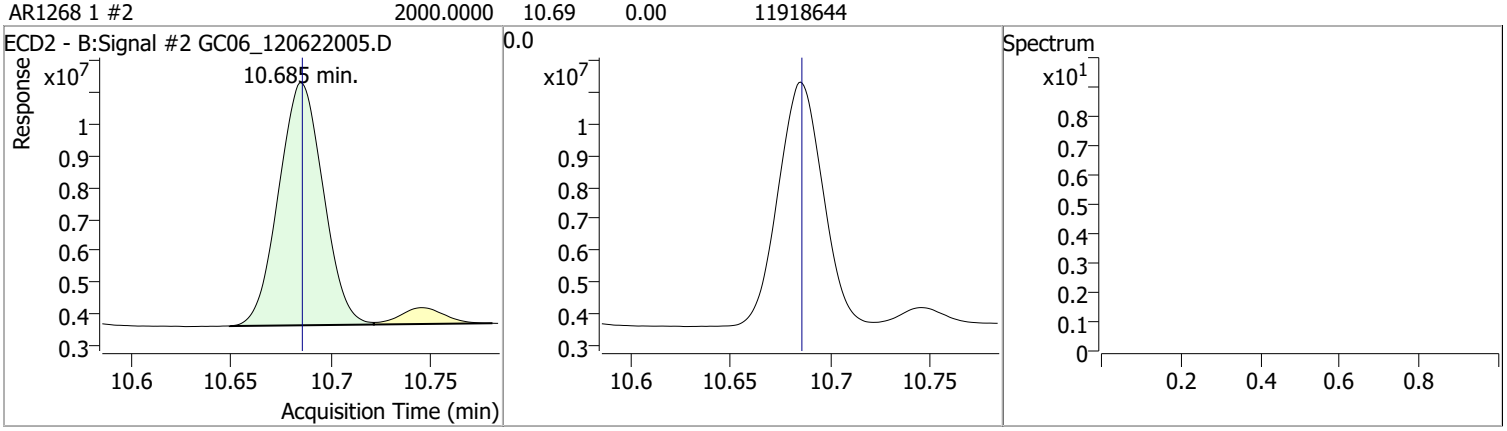
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2	2000.0000	10.00	0.00	4819450				



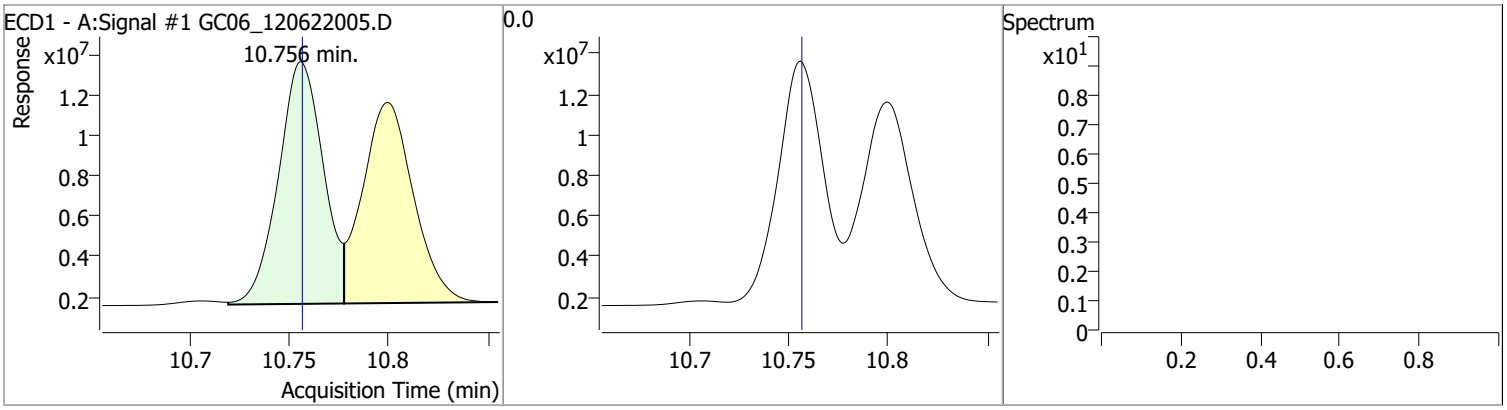
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268	2000.0000	10.63	0.23	18687437				



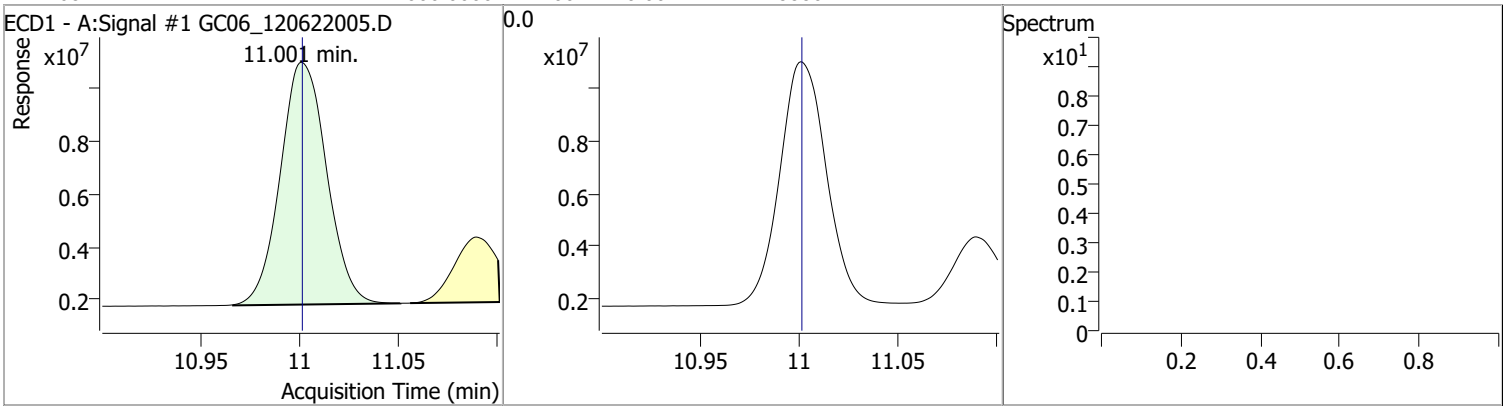
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 1 #2	2000.0000	10.69	0.00	11918644				



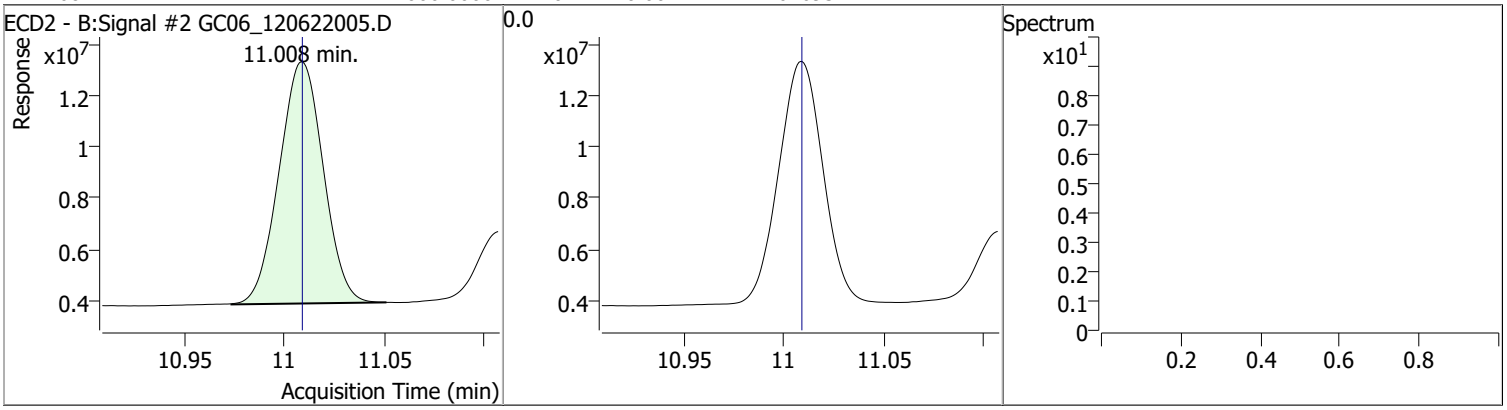
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3	2000.0000	10.76	0.00	18823988				



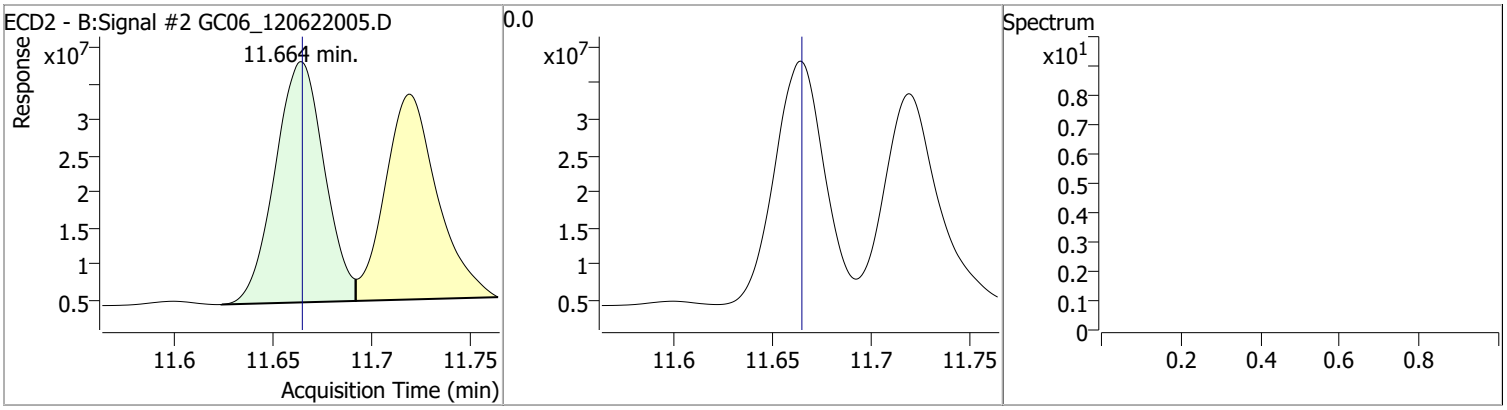
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4	2000.0000	11.00	0.00	14888027				



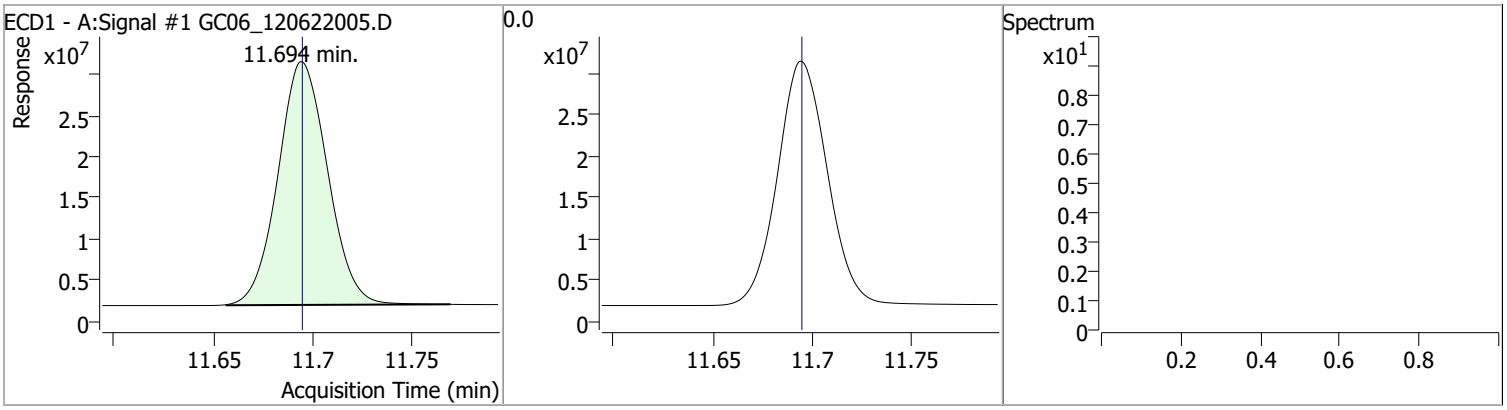
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 2 #2	2000.0000	11.01	0.00	14616932				



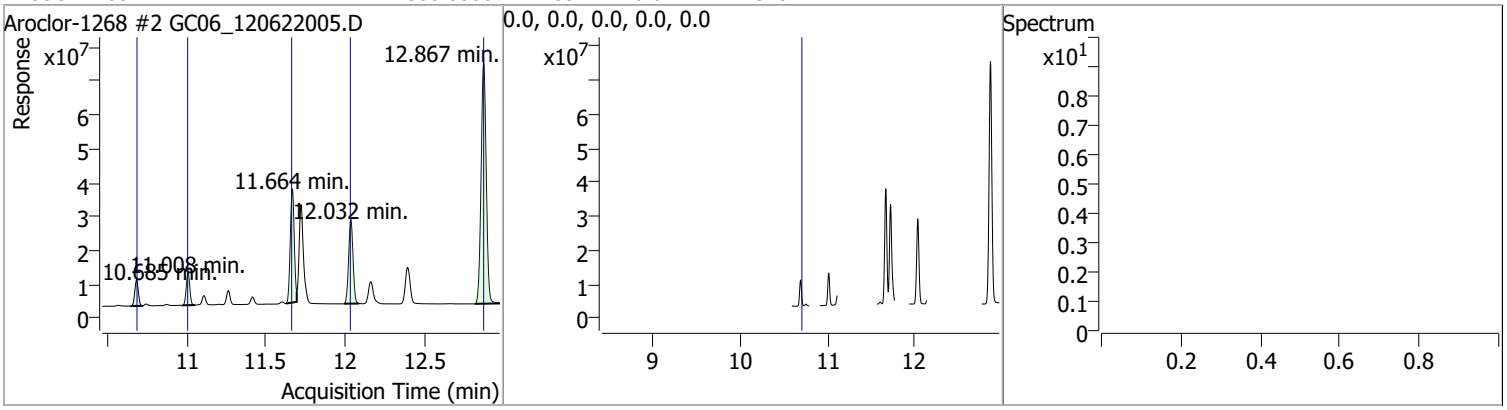
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 3 #2	2000.0000	11.66	0.00	57650124				



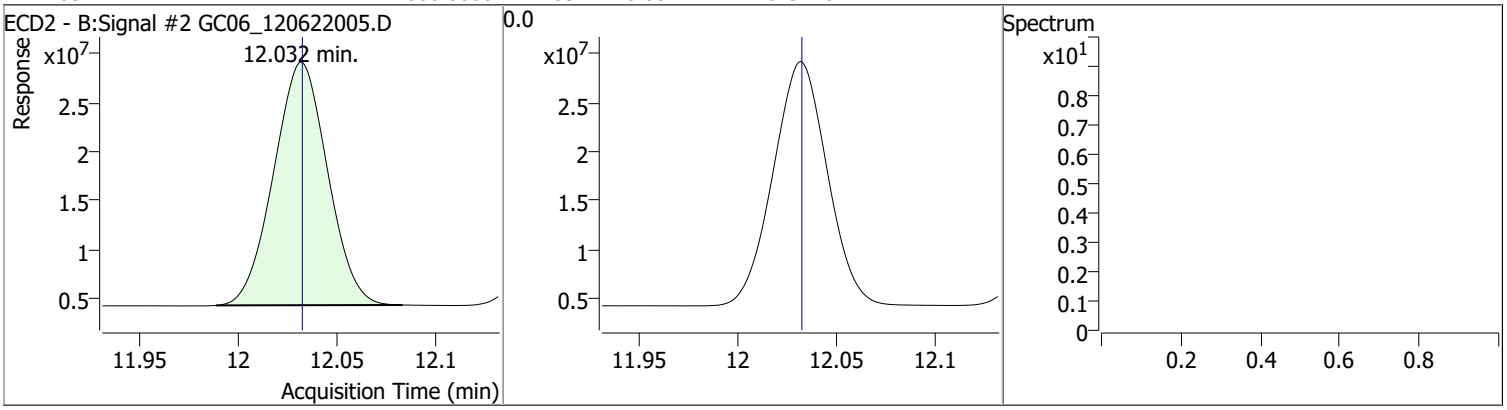
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5	2000.0000	11.69	0.00	51201536				



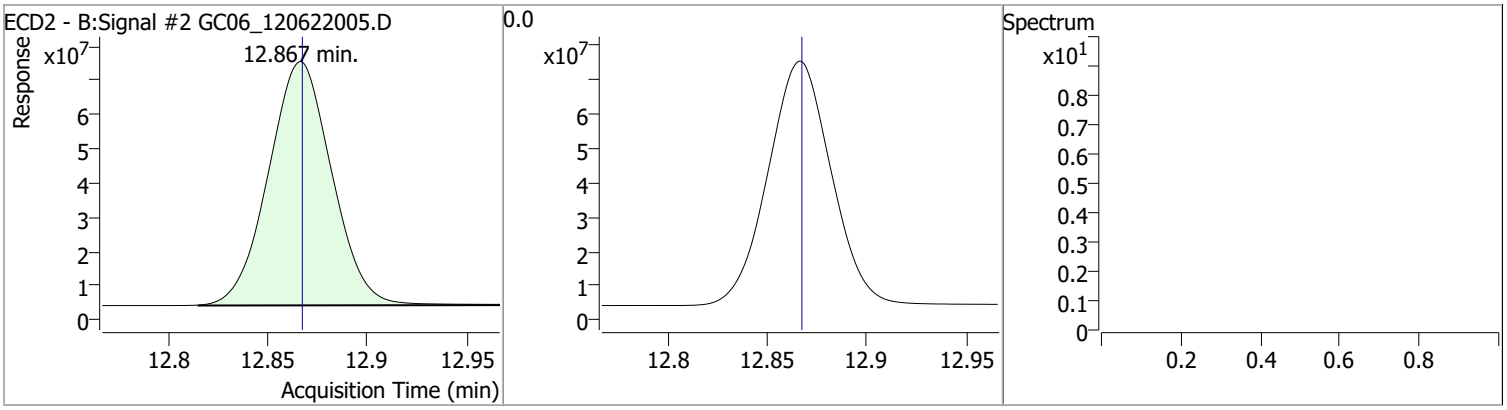
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Aroclor-1268 #2	2000.0000	11.65	-0.07	57844747				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 4 #2	2000.0000	12.03	0.00	46797207				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1268 5 #2	2000.0000	12.87	0.00	158240826				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 473364 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	452490110001	File:	gc06_120622001	Time:	06-DEC-2022 08:30
Cal:	452428510002	Caldate:	24-OCT-2022		

Standards: S17386

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	539.1	ug/L	8	15	0.0000	
Aroclor-1260	A			500.0	502.5	ug/L	0	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.4080	1.3107	40.00	38.93	ug/L	-3	15	0.0000	
TCMX (PCB)	A	0.9616	0.9654	40.00	40.16	ug/L	0	15	0.0000	
Aroclor-1016	B			500.0	544.9	ug/L	9	15	0.0000	
Aroclor-1260	B			500.0	467.7	ug/L	-6	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.2084	1.0251	40.00	38.19	ug/L	-5	15	0.0000	
TCMX (PCB)	B	0.9605	0.9813	40.00	40.87	ug/L	2	15	0.0000	

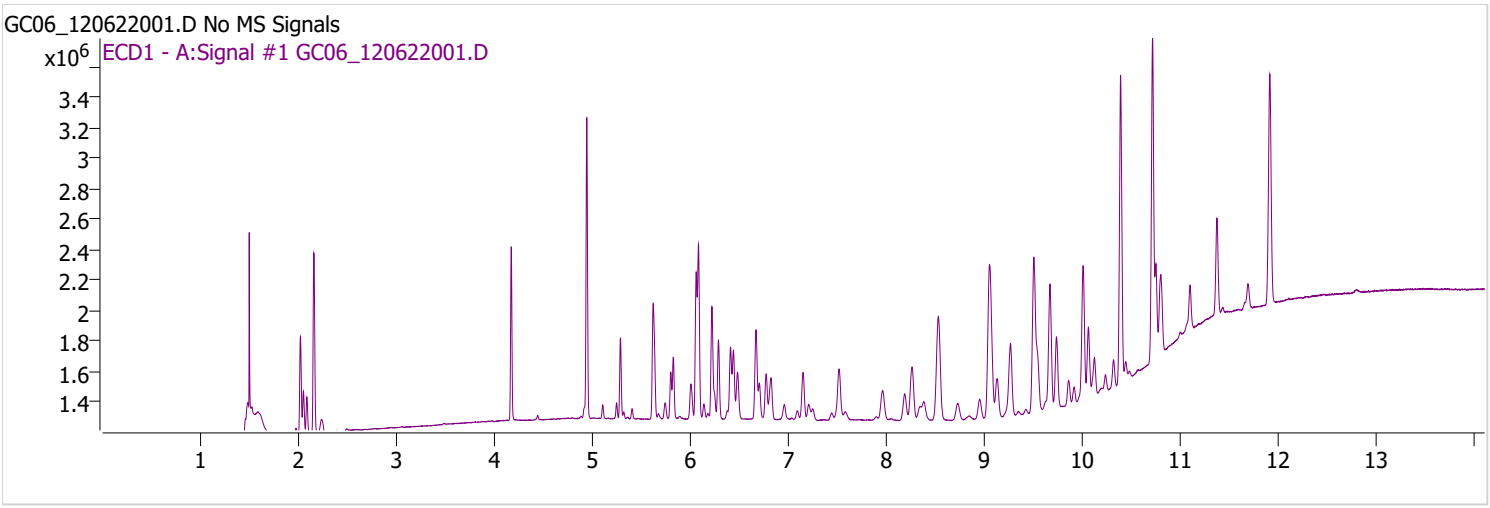
ISTD (ICAL gc06_102422015)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	4414084	4549134	3.06
1-bromo-2-nitrobenzene (PCB)	A	1096423	1091103	-0.49

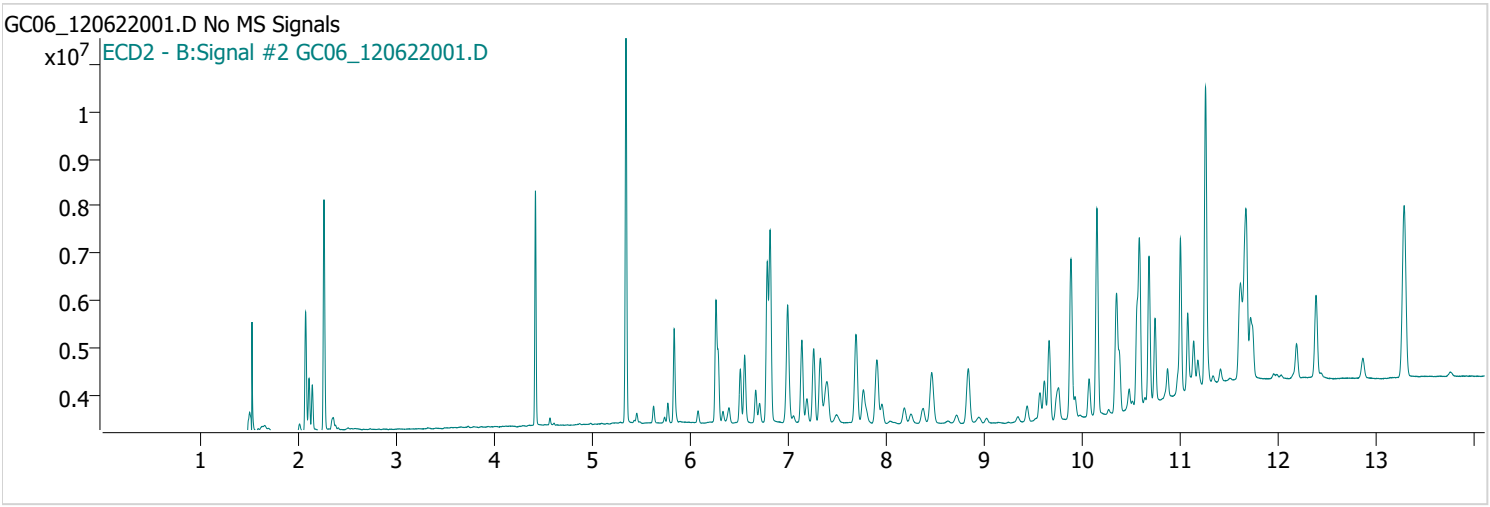
TJW 12/07/22 : Manually integrated due to baseline corrections for Ch. B

Analyst: TJW 12/07/22 **Reviewer:** LW 12/08/22

Quantitation Results Report (Not Reviewed)

Data File	GC06_120622001.D	Operator	MTS
Acq. Method	Acq_Pesticide_122221_2	Acq. Date-Time	12/6/2022 8:30:10 AM
Sample Name	CCV, S17386	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_102422_GC06_9.m	Comment	
Tune File	ATUNE.U	Tune Date	
Batch Name	120622_PCB.batch.bin	Last Calib Update	10/26/2022 9:58:00 AM
Ref Library			



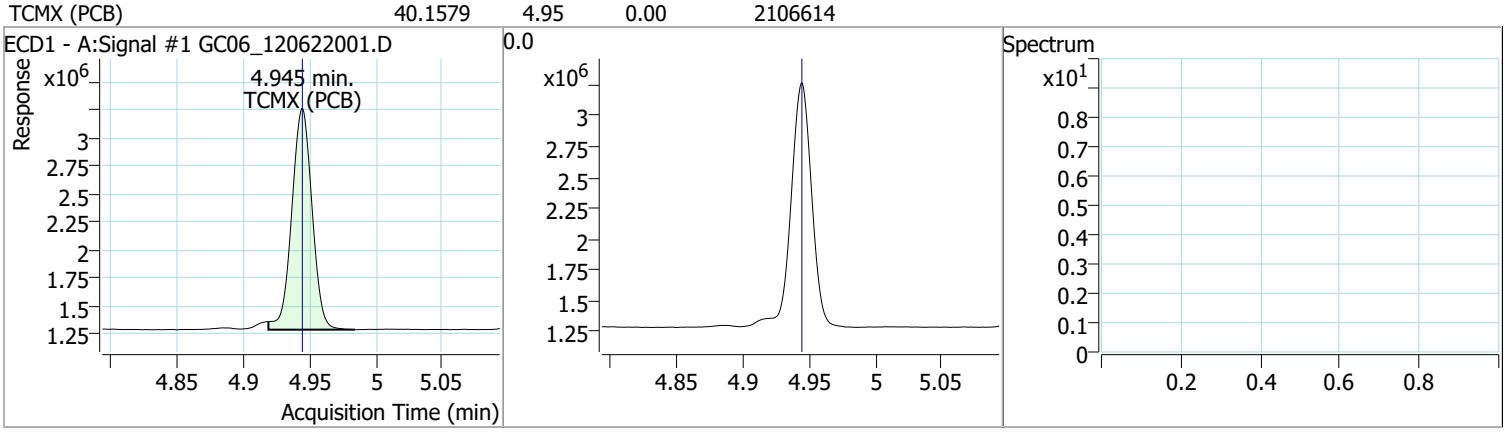


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	4.173	0.0	1091102.801	20.0000	ng/ml		-0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.420	0.0	4549134.393	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.945	0.0	2106613.536	40.1579	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 200.79%		*	
S TCMX (PCB) #2	5.345	0.0	8928137.132	40.8666	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 204.33%		*	
S Decachlorobiphenyl (PCB)	11.920	0.0	2860179.877	38.9283	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.64%		*	
S Decachlorobiphenyl (PCB) #2	13.292	0.0	9326520.044	38.1939	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 190.97%		*	
Target Compounds							QValue

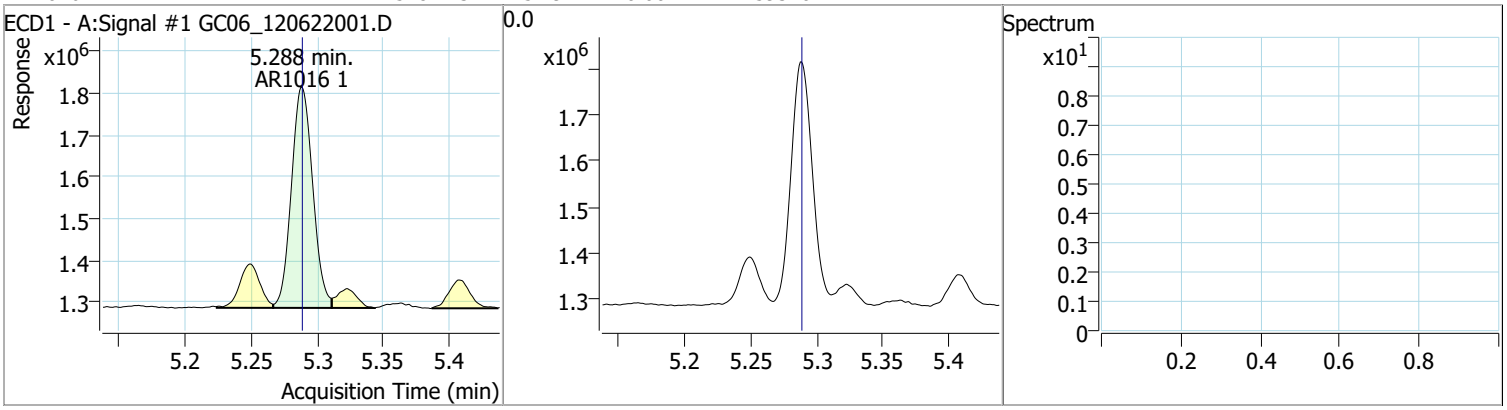
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	5.288	0.0	593103.711	518.4732	ng/ml		100
T AR1016 2	5.623	0.0	1287483.845	550.6479	ng/ml		100
T AR1016 1 #2	5.837	0.0	2527891.726	534.6625	ng/ml		100
T AR1016 3	6.085	0.0	1567308.236	540.3842	ng/ml		100
T AR1016 4	6.223	0.0	1202212.294	544.9983	ng/ml		100
T AR1016 2 #2	6.264	0.0	3719392.113	544.9576	ng/ml	m	100
T AR1016 5	6.673	0.0	961300.263	541.0421	ng/ml		100
T AR1016 3 #2	6.817	0.0	6736889.114	543.2420	ng/ml		100
T AR1016 4 #2	6.996	0.0	4894525.490	552.8428	ng/ml		100
T AR1016 5 #2	7.693	0.0	3948855.887	548.7252	ng/ml		100
T AR1260 1	8.535	0.0	1869441.224	506.7553	ng/ml		100
T AR1260 2	9.058	0.0	2797648.385	497.5586	ng/ml		100
T AR1260 3	9.511	0.0	2853572.493	485.5489	ng/ml		100
T AR1260 1 #2	9.889	0.0	6427431.296	474.7638	ng/ml		100
T AR1260 4	10.013	0.0	1684067.074	527.0929	ng/ml		100
T AR1260 2 #2	10.154	0.0	7494549.630	460.7377	ng/ml		100
T AR1260 5	10.396	0.0	3359786.295	495.4209	ng/ml		100
T AR1260 3 #2	10.588	0.0	8752408.794	425.0866	ng/ml		100
T AR1260 4 #2	11.007	0.0	5062605.317	424.3405	ng/ml		100
T AR1260 5 #2	11.675	0.0	9790129.105	553.4997	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

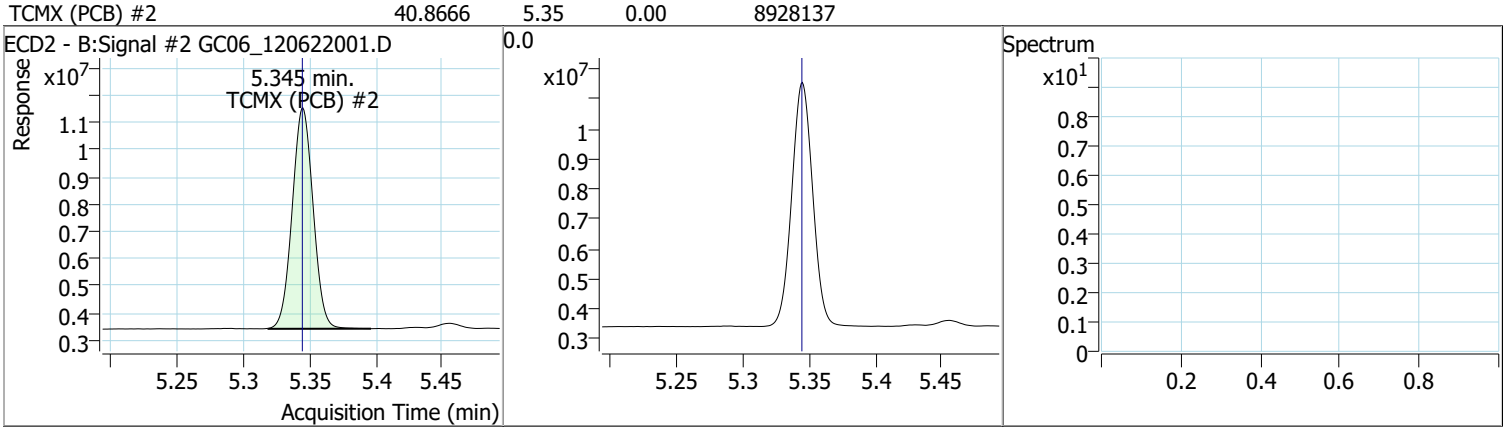
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	40.1579	4.95	0.00	2106614				



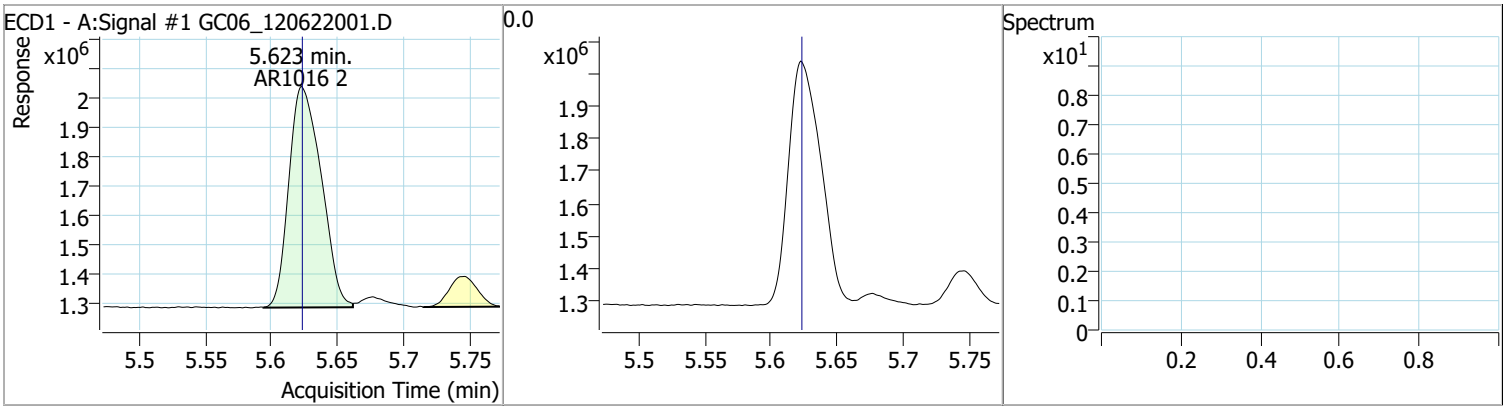
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	518.4732	5.29	0.00	593104				



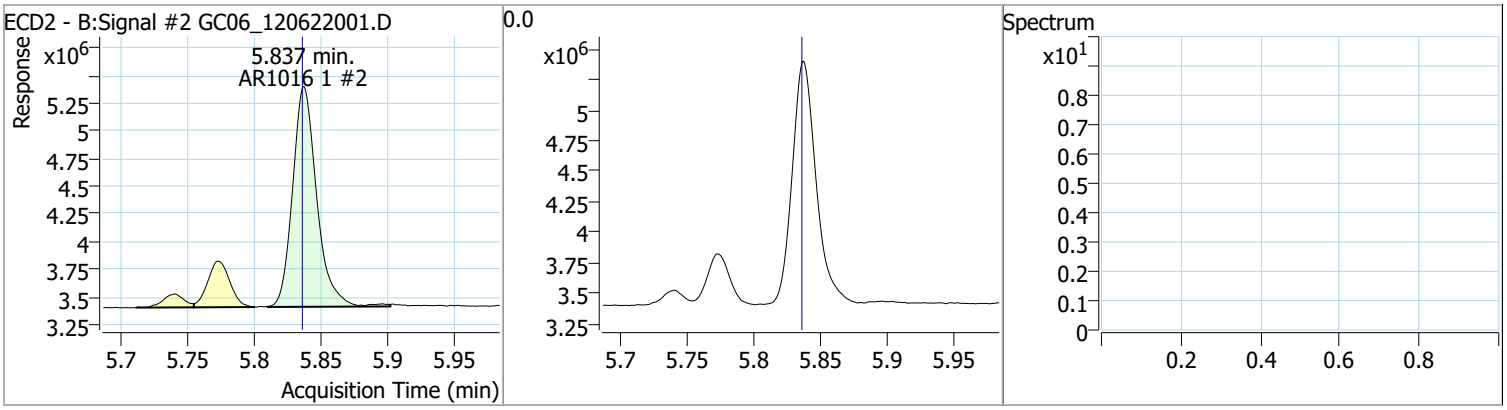
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.8666	5.35	0.00	8928137				



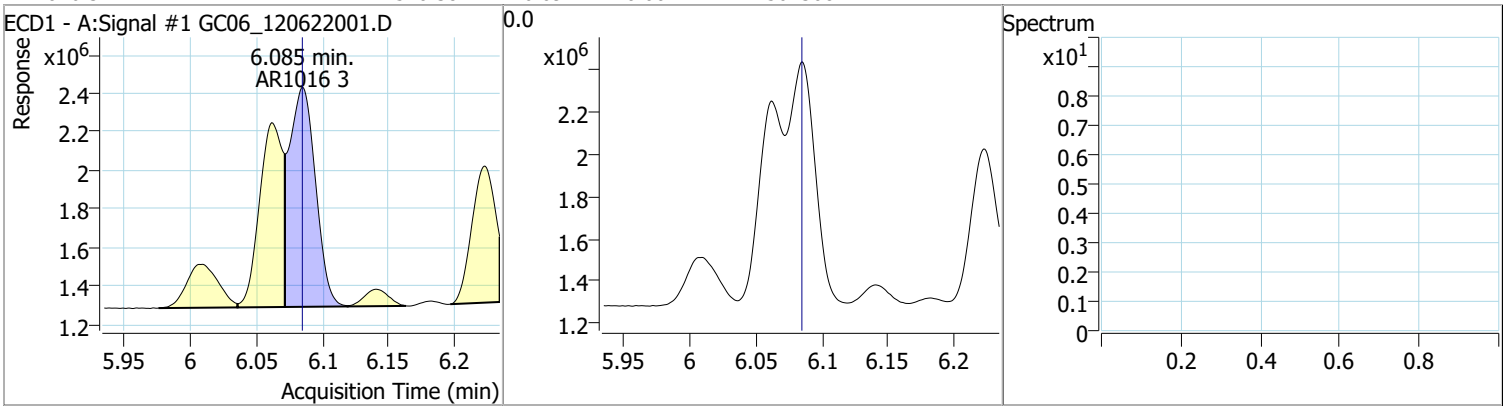
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	550.6479	5.62	0.00	1287484				



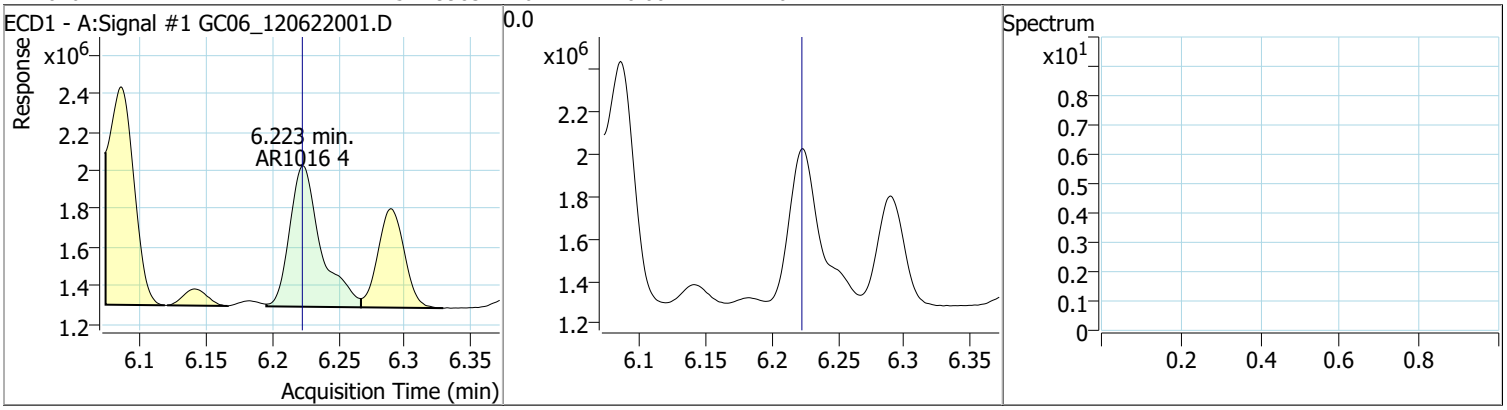
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	534.6625	5.84	0.00	2527892				



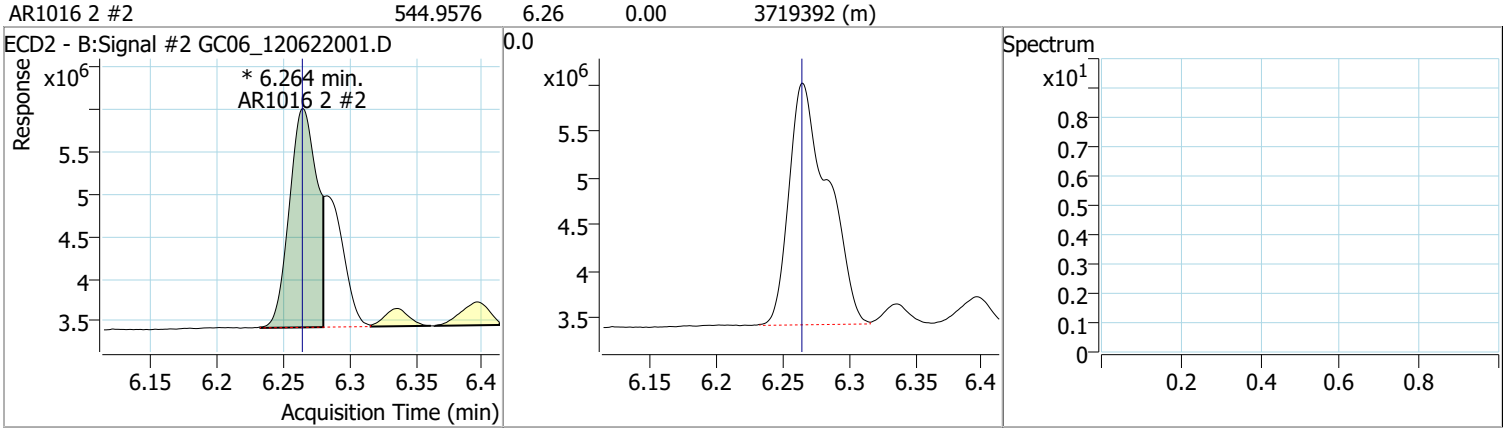
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	540.3842	6.09	0.00	1567308				



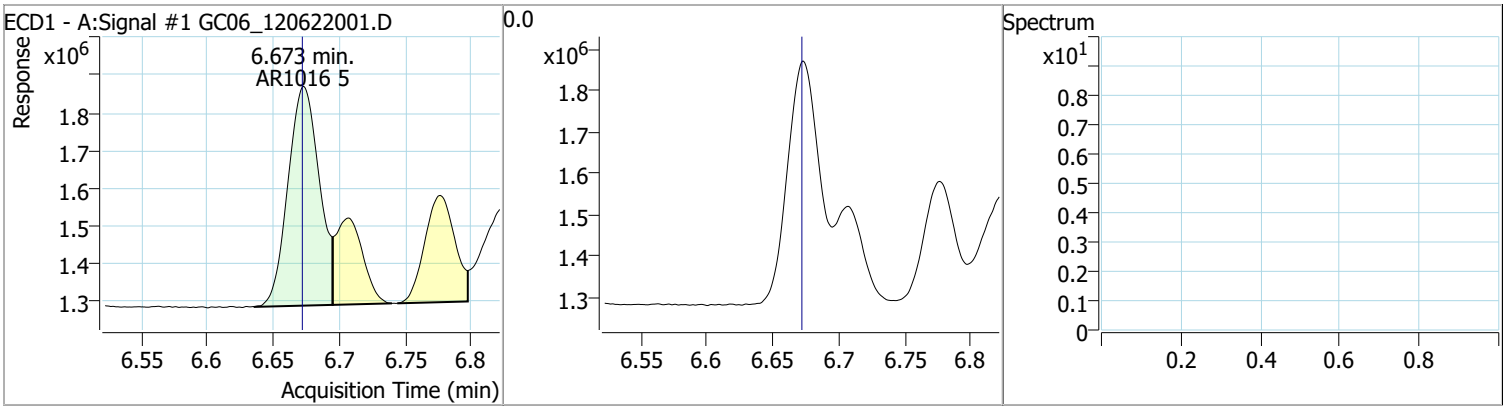
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	544.9983	6.22	0.00	1202212				



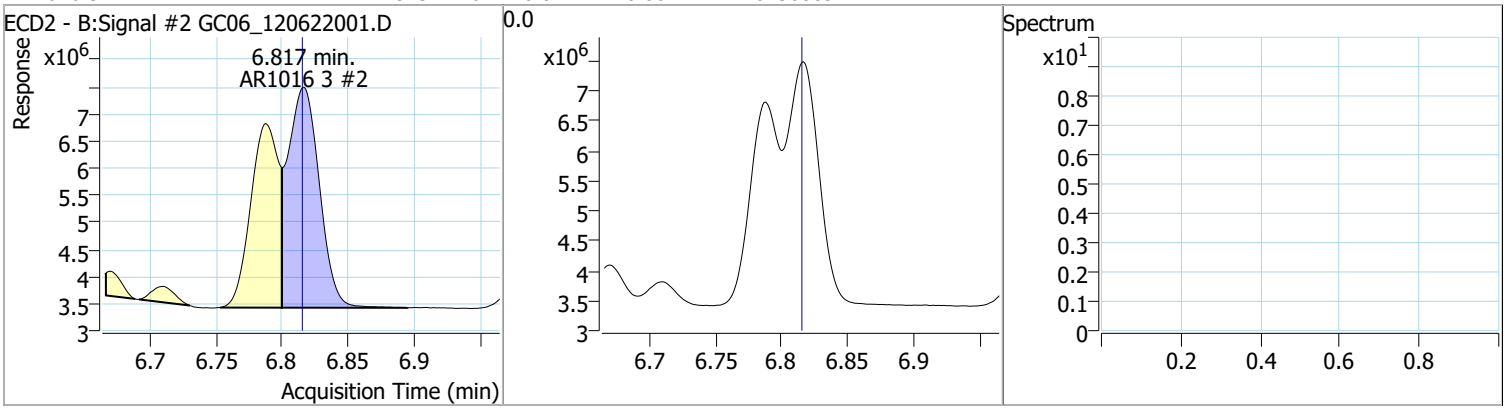
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	544.9576	6.26	0.00	3719392 (m)				



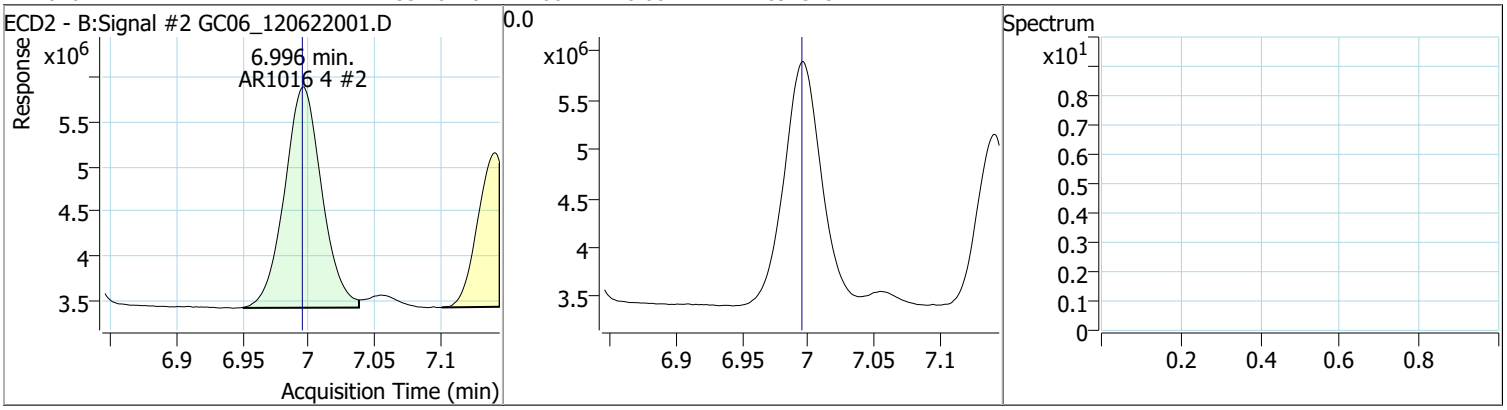
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	541.0421	6.67	0.00	961300				



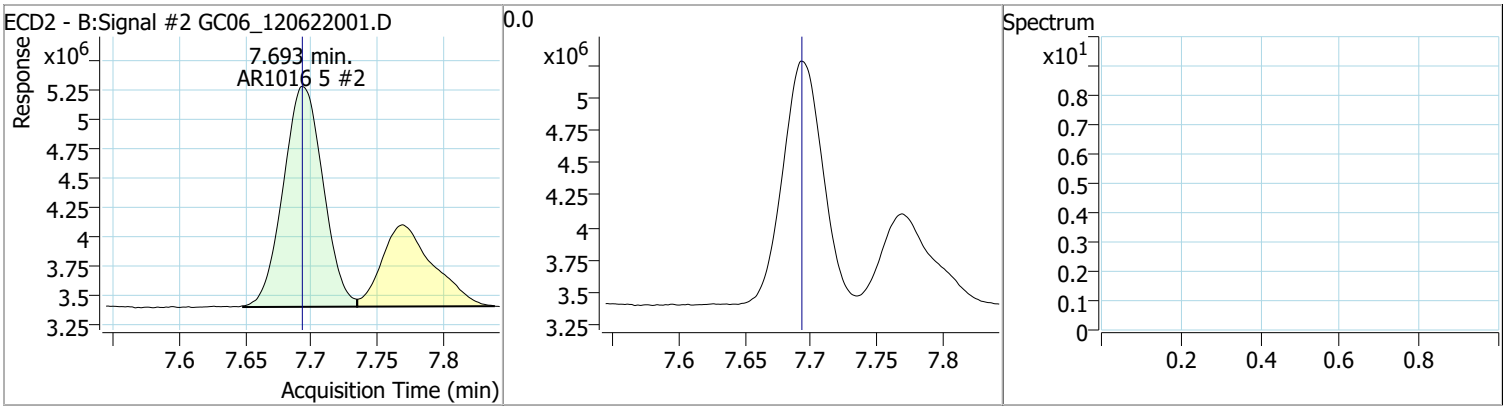
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	543.2420	6.82	0.00	6736889				



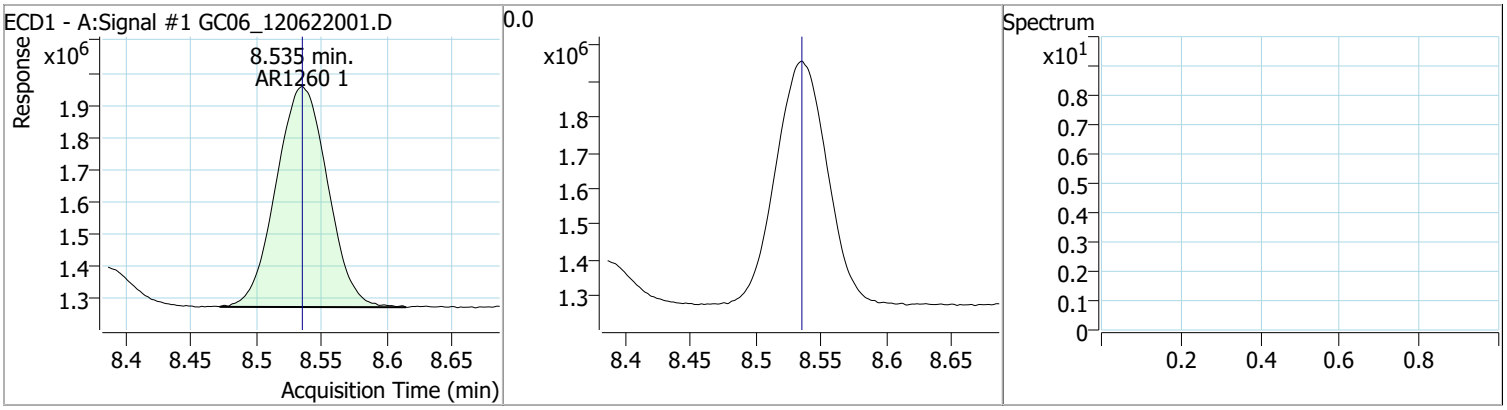
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AR1016 4 #2	552.8428	7.00	0.00	4894525				



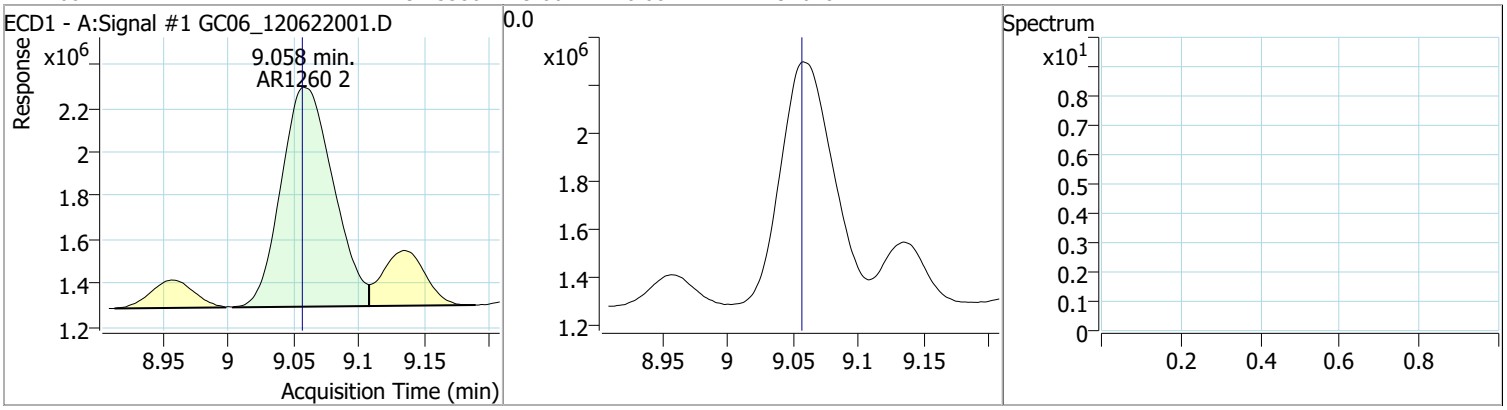
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AR1016 5 #2	548.7252	7.69	0.00	3948856				



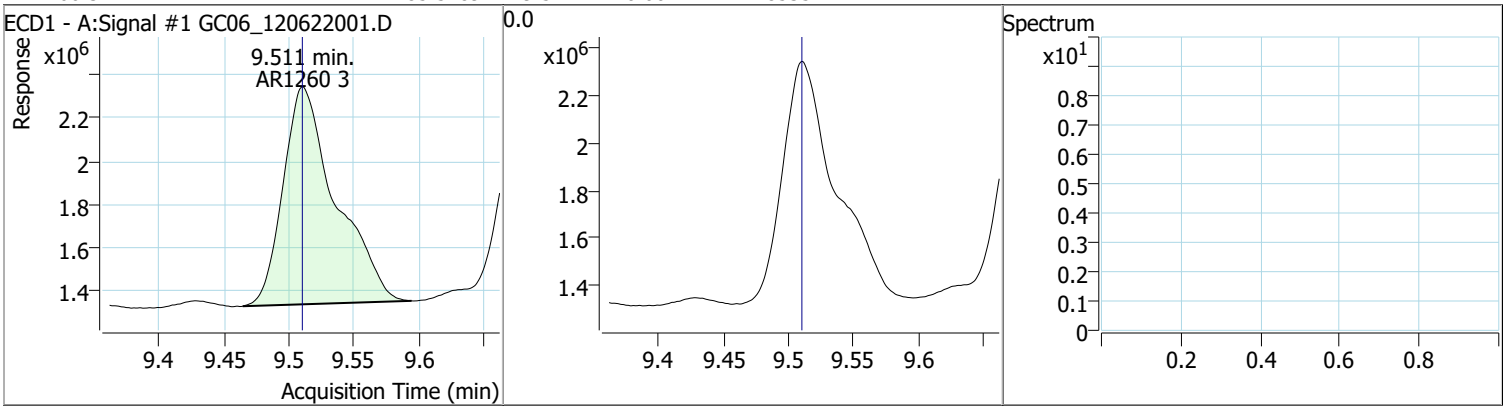
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	506.7553	8.54	0.00	1869441				



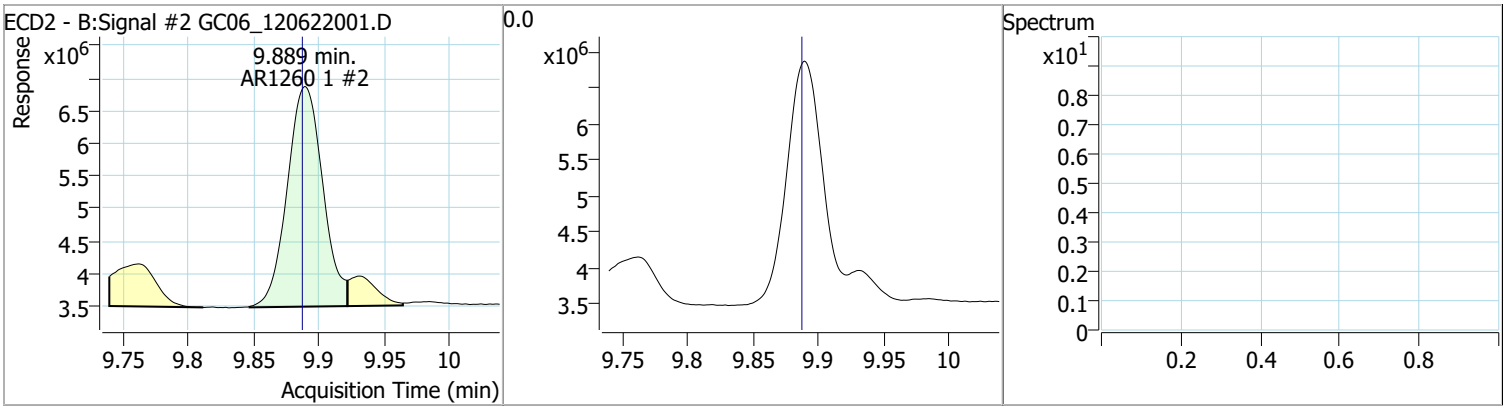
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	497.5586	9.06	0.00	2797648				



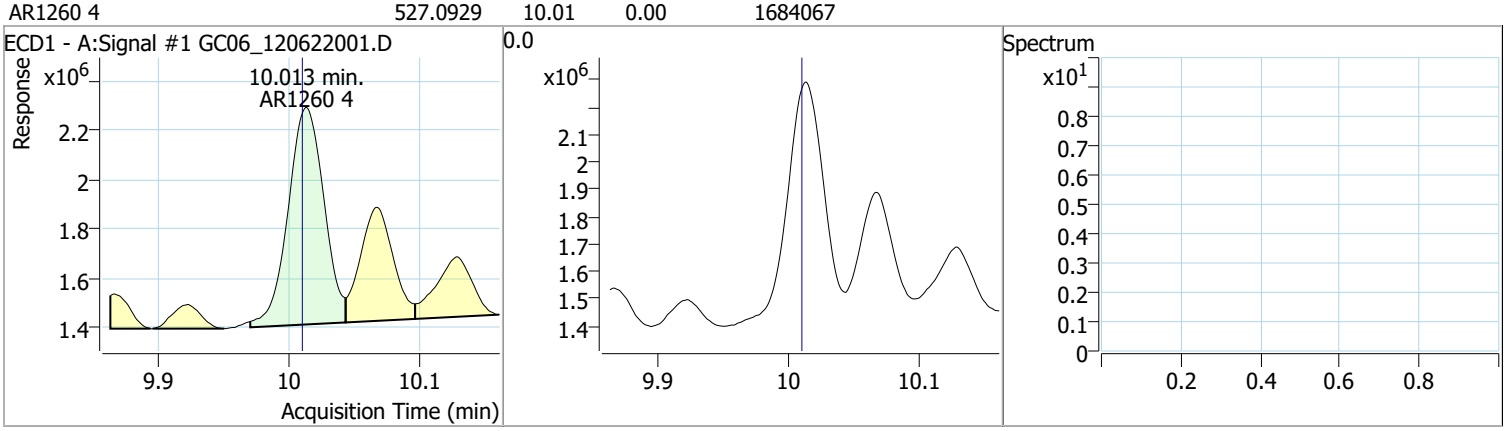
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	485.5489	9.51	0.00	2853572				



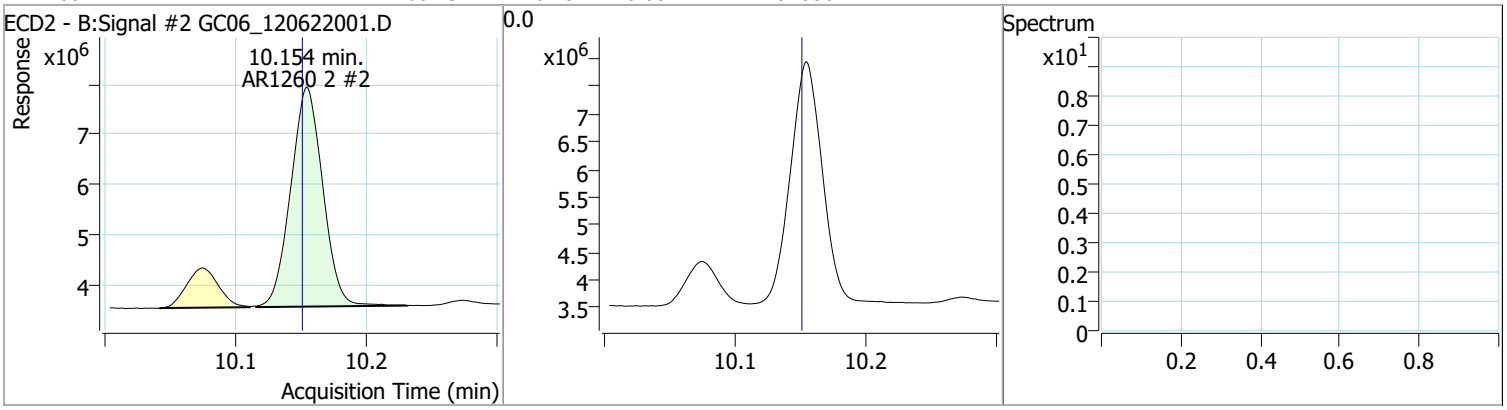
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	474.7638	9.89	0.00	6427431				



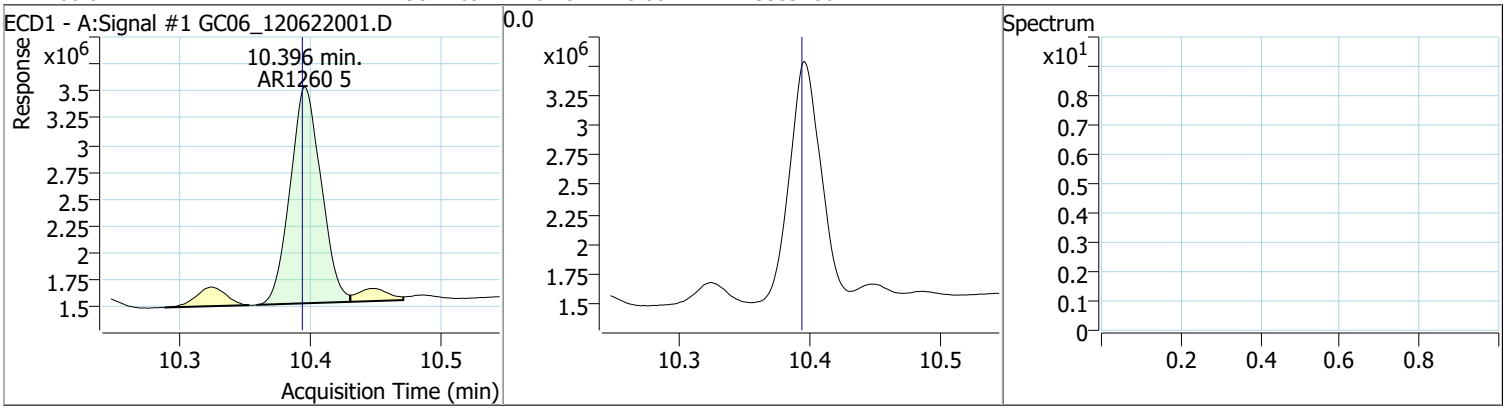
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	527.0929	10.01	0.00	1684067				



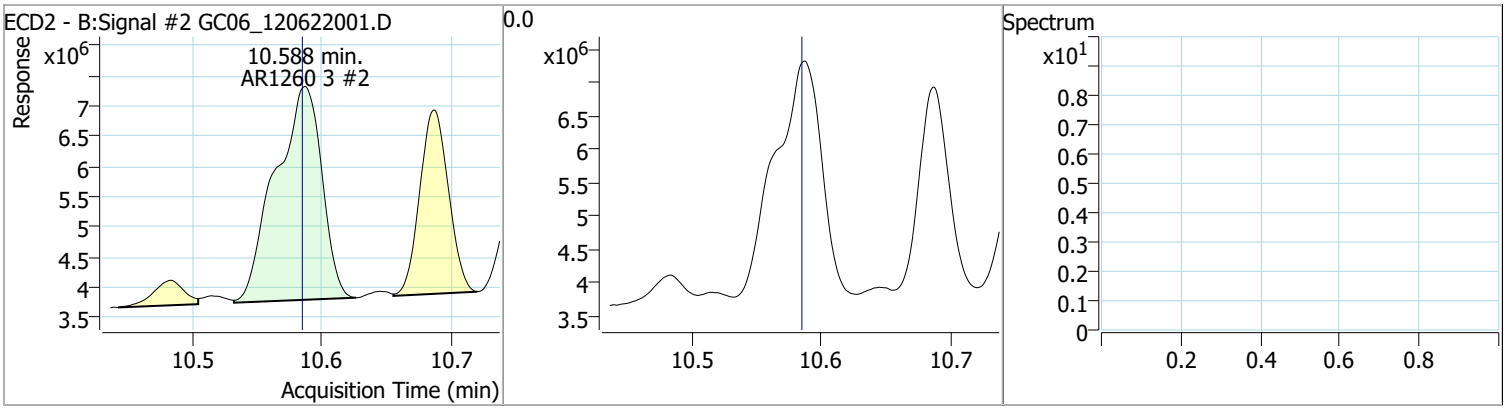
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	460.7377	10.15	0.00	7494550				



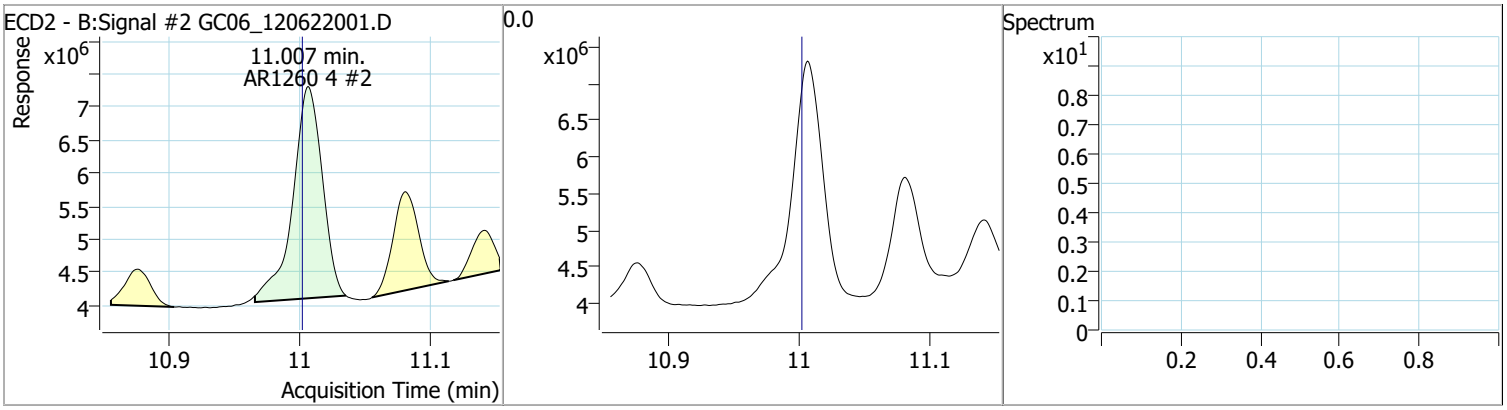
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	495.4209	10.40	0.00	3359786				



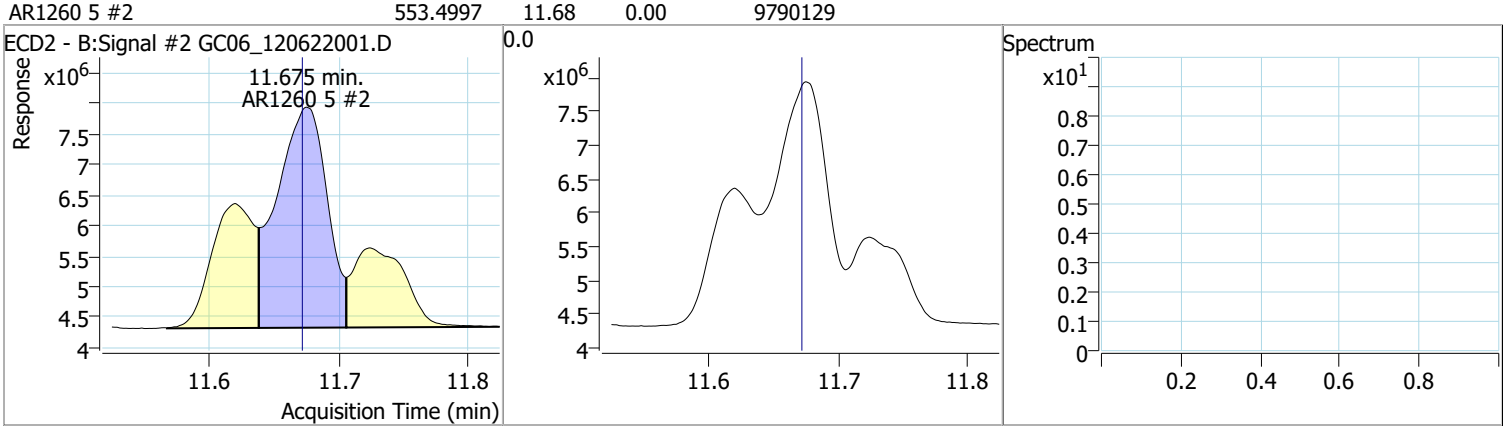
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	425.0866	10.59	0.00	8752409				



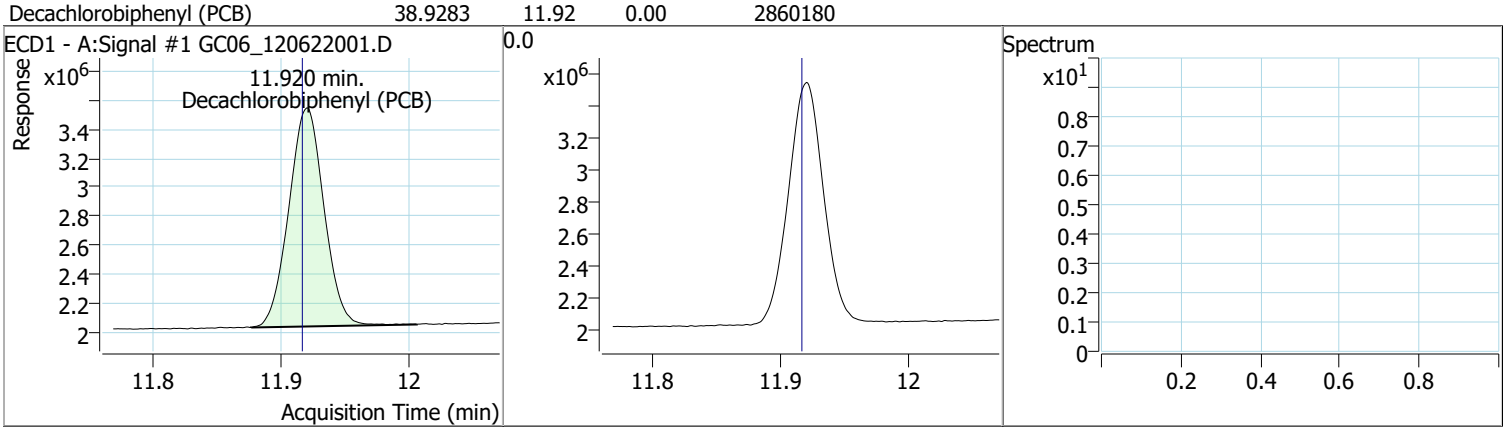
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	424.3405	11.01	0.00	5062605				



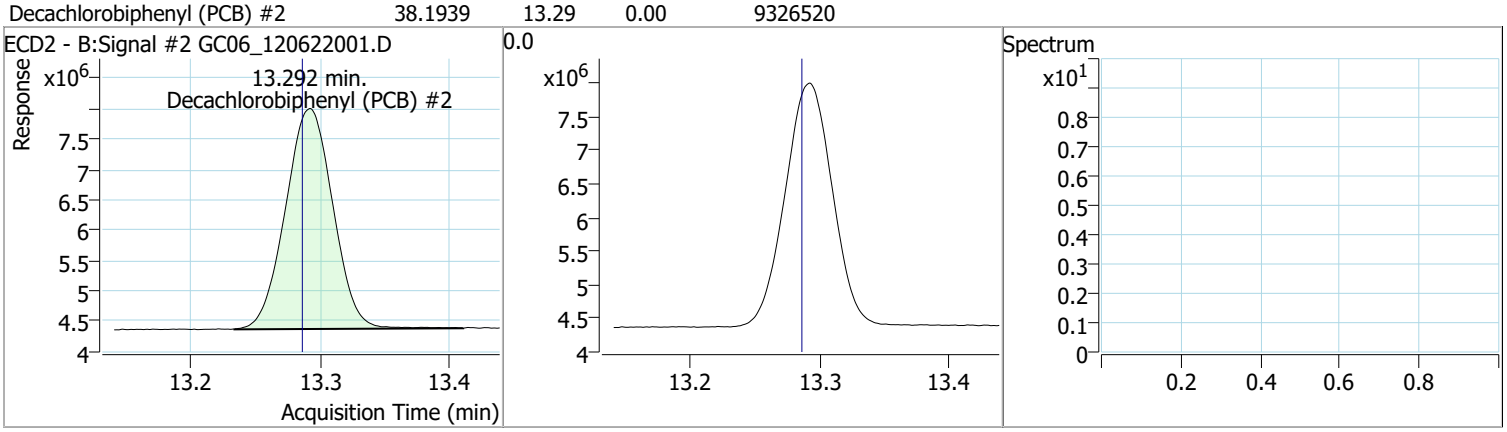
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	553.4997	11.68	0.00	9790129				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	38.9283	11.92	0.00	2860180				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	38.1939	13.29	0.00	9326520				



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

enthalpy.com

Lab Job Number: 473364
Report Level: IV
Report Date: 01/24/2023

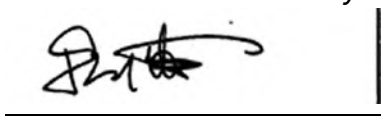
Metals

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 #:	473364
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	11/17/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-L-LA	473364-003	11/16/22 13:37	Wipe
AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-L-WF	473364-005	11/16/22 14:05	Wipe
AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-L-DUP-WF	473364-006	11/16/22 14:05	Wipe
AFRAME-C1W-MED-L3-UP-C1.2-VS-221116-L-LA	473364-008	11/16/22 13:17	Wipe
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA-SL6	473364-010	11/16/22 13:55	Wipe
AFRAME-C1W-LAT-L3-DN-C1.2-DG-221116-L-LA	473364-012	11/16/22 14:22	Wipe

ENTHALPY ANALYTICAL

Case Narrative

METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 473364 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 11/17/22

This data package contains sample and QC results for six wipe samples, requested for the above referenced project on 11/18/22. See attached cooler receipt form for any sample receipt problems or discrepancies.

Metals (EPA 6010B):

No analytical problems were encountered.

Chain of Custody

473364

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.		
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	AFRAME-C2W-LAT-L3-UP-C2.5-DG-2211**16**-P-LA	11/16/2022	1337	WP	1		X		
2	AFRAME-C2W-LAT-L3-UP-C2.5-DG-2211**16**-P-DUP-LA	11/16/2022	1337	WP	1		X		
3	AFRAME-C2W-LAT-L3-UP-C2.5-DG-2211**16**-L-LA	11/16/2022	1337	WP	1			X	
4	AFRAME-C2W-LAT-L3-EXT-1 TO 2-2211**16**-P-WF	11/16/2022	1405	WP	1		X		
5	AFRAME-C2W-LAT-L3-EXT-1 TO 2-2211**16**-L-WF	11/16/2022	1405	WP	1			X	
6	AFRAME-C2W-LAT-L3-EXT-1 TO 2-2211**16**-L-DUP-WF	11/16/2022	1405	WP	1			X	
7	AFRAME-C1W-MED-L3-UP-C1.2-VS-2211**16**-P-LA	11/16/2022	1317	WP	1		X		
8	AFRAME-C1W-MED-L3-UP-C1.2-VS-2211**16**-L-LA	11/16/2022	1317	WP	1			X	
9	AFRAME-C2W-MED-L3-DN-C2.4-DG-2211**16**-P-LA	11/16/2022	1355	WP	1		X		
10	AFRAME-C2W-MED-L3-DN-C2.4-DG-2211**16**-L-LA	11/16/2022	1355	WP	1			X	
11	AFRAME-C1W-LAT-L3-DN-C1.2-DG-2211**16**-P-LA	11/16/2022	1422	WP	1		X		
12	AFRAME-C1W-LAT-L3-DN-C1.2-DG-2211**16**-L-LA	11/16/2022	1422	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

Use extraction Method 3546 for PCBs

Wipe samples collected from Zone 2 Enclosure D

MK

1xRivet Type2 = ~~0.0100~~ 9.273 µg/cm²

2xRivet Type2 = 0.0200 µg/cm²

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	T Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	11/17/22 / 1137
1 Received By:	Audrey Hudson	Audrey Hudson	ENTHALPY	11/17/22 13:45
2 Relinquished By:	Audrey Hudson	"	"	11/17/22 17:00
2 Received By:		Rincon will ship	BA	11/17/22 17:00
3 Relinquished By:		Lisa Fung	BA	11/17/22 17:4
3 Received By:		FedEx	CM	11/18/22 0730

1.8/3.5

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 473364 Client: RINCON

Date Received: 11.17.22 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 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)** _____

ENTHALPY ANALYTICAL

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

[EXTERNAL] Lab Report/EDD 473364 & 473365 Re-Issue

Austin Moore <amoore@rinconconsultants.com> Wed, Dec 14, 2022 at 1:58 PM
To: John Goyette <john.goyette@enthalpy.com>
Cc: Lindsay Parker <lparker@rinconconsultants.com>, Kerry Campbell <kcampbell@rinconconsultants.com>

Good Afternoon John,

During our data validation review, we discovered duplicate sample IDs were used between lab reports **473364** and **473365**. We will need the following sample IDs revised, as well as the official re-issued lab reports (and EDD's) that reflect the new IDs:

473364:

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA**-SL6**

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA**-SL6**

473365:

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA**-SL5**

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-DUP**-SL5**

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA**-SL5**

Note that the sample IDs should be revised to include either -SL5 (sample IDs in lab report 473365) or -SL6 (sample IDs in lab report 473364) at the end of their original names

Lastly, LDC is requesting if it is possible to include the sample times within the EDDs? If so, can we please include the sample times in **ALL** EDD's moving forward?

As always, I truly appreciate your time and help.

Thank you John,

Austin Moore

Austin Moore, Environmental Scientist III

Rincon Consultants, Inc.

Environmental Scientists | Planners | Engineers

909-253-0705

951-902-9896 Mobile

rinconconsultants.com

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 473364 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-L-LA **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473364-003 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Dln Fac: 1.000 **Analyzed:** 11/21/22

473364-003 Analyte	Result	RL	Units
Lead	**140**	0.25	ug/ft2

Field ID: AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-L-WF **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473364-005 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Dln Fac: 1.000 **Analyzed:** 11/21/22

473364-005 Analyte	Result	RL	Units
Lead	**20**	0.25	ug/ft2

Field ID: AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-L-DUP-WF **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473364-006 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Dln Fac: 1.000 **Analyzed:** 11/21/22

473364-006 Analyte	Result	RL	Units
Lead	**17**	0.25	ug/ft2

Field ID: AFRAME-C1W-MED-L3-UP-C1.2-VS-221116-L-LA **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473364-008 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Dln Fac: 1.000 **Analyzed:** 11/21/22

473364-008 Analyte	Result	RL	Units
Lead	**59**	0.25	ug/ft2

Field ID: AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA-SL6 **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473364-010 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Dln Fac: 1.000 **Analyzed:** 11/21/22

473364-010 Analyte	Result	RL	Units
Lead	**70**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 473364 **Project#:** 20-10491

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

Field ID:	AFRAME-C1W-LAT-L3-DN-C1.2-DG-221116-L-LA	**Batch#:**	301526	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	11/16/22	**Analysis:**	EPA 6010B
Lab ID:	473364-012	**Received:**	11/17/22	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	11/19/22		
DiIn Fac:	1.000	**Analyzed:**	11/21/22		

473364-012 Analyte	Result	RL	Units
Lead	**69**	0.25	ug/ft2

Type:	BLANK	**Batch#:**	301526	**Analysis:**	EPA 6010B
Lab ID:	QC1027000	**Prepared:**	11/19/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	11/21/22		
DiIn Fac:	1.000	**Prep:**	EPA 3050B		

QC1027000 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 473364 **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

REPORTING SUMMARY FOR 473364 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB	
473364-003	MET06	11/21/22 12:08	1.0		
473364-003	MET06	11/21/22 14:19	1.0	+	
473364-005	MET06	11/21/22 12:11	1.0		
473364-005	MET06	11/21/22 14:22	1.0	+	
473364-006	MET06	11/21/22 12:14	1.0		
473364-006	MET06	11/21/22 14:26	1.0	+	
473364-008	MET06	11/21/22 12:17	1.0		
473364-008	MET06	11/21/22 14:29	1.0	+	
473364-010	MET06	11/21/22 12:21	1.0		
473364-010	MET06	11/21/22 14:32	1.0	+	
473364-012	MET06	11/21/22 12:30	1.0		
473364-012	MET06	11/21/22 14:42	1.0	+	
QC1027000	MET06	11/21/22 11:51	1.0		
QC1027000	MET06	11/21/22 14:03	1.0	+	
QC1027001	MET06	11/21/22 11:55	1.0		
QC1027001	MET06	11/21/22 14:06	1.0	+	
QC1027002	MET06	11/21/22 11:58	1.0		
QC1027002	MET06	11/21/22 14:09	1.0	+	

Enthalpy Sequence Summary for Sequence 482468627

Instrument: MET06 Begun: 11/21/22 10:27
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			11/21/22 10:27	1.0	1	
002	met06_master	ICAL	L1			11/21/22 10:30	1.0	2 1	
003	met06_master	ICAL	L2			11/21/22 10:33	1.0	3 1	
004	met06_master	ICAL	L3			11/21/22 10:36	1.0	4 1	
005	met06_master	ICAL	L4			11/21/22 10:40	1.0	5 1	
006	met06_master	ICAL	L5			11/21/22 10:43	1.0	6 1	
007	met06_master	ICAL	L6			11/21/22 10:46	1.0	7 1	
008	met06_master	ICAL	L7			11/21/22 10:50	1.0	8 1	
009	met06_master	ICAL	L8			11/21/22 10:53	1.0	9 1	
010	met06_master	XICV				11/21/22 10:56	1.0	10 1	
011	met06_master	ICV				11/21/22 11:03	1.0	10 1	
012	met06_master	CRI				11/21/22 11:06	1.0	11 1	
013	met06_master	ICB				11/21/22 11:10	1.0	1	
014	met06_master	ICSA				11/21/22 11:13	1.0	12 1	5:MGASMGCO3=1500
015	met06_master	ICSAB				11/21/22 11:16	1.0	13 1	5:MGASMGCO3=1500
016	met06_master	ICSA				11/21/22 11:20	1.0	12 1	5:MGASMGCO3=1400
017	met06_master	BLANK	QC1027000	Wipe	301526	11/21/22 11:51	1.0	1	
018	met06_master	BS	QC1027001	Wipe	301526	11/21/22 11:55	1.0	1	
019	met06_master	BSD	QC1027002	Wipe	301526	11/21/22 11:58	1.0	1	
020	met06_master	SAMPLE	473361-002	Wipe	301526	11/21/22 12:01	1.0	1	
021	met06_master	SAMPLE	473361-004	Wipe	301526	11/21/22 12:04	1.0	1	
022	met06_master	SAMPLE	473364-003	Wipe	301526	11/21/22 12:08	1.0	1	
023	met06_master	SAMPLE	473364-005	Wipe	301526	11/21/22 12:11	1.0	1	
024	met06_master	SAMPLE	473364-006	Wipe	301526	11/21/22 12:14	1.0	1	
025	met06_master	SAMPLE	473364-008	Wipe	301526	11/21/22 12:17	1.0	1	
026	met06_master	SAMPLE	473364-010	Wipe	301526	11/21/22 12:21	1.0	1	

Instrument: MET06 Begun: 11/21/22 10:27
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
027	met06_master	CCV				11/21/22 12:24	1.0	10 1	
028	met06_master	CCB				11/21/22 12:27	1.0	1	
029	met06_master	SAMPLE	473364-012	Wipe	301526	11/21/22 12:30	1.0	1	
030	met06_master	SAMPLE	473365-002	Wipe	301526	11/21/22 12:34	1.0	1	
031	met06_master	SAMPLE	473365-005	Wipe	301526	11/21/22 12:37	1.0	1	
032	met06_master	SAMPLE	473365-007	Wipe	301526	11/21/22 12:40	1.0	1	
033	met06_master	SAMPLE	473365-009	Wipe	301526	11/21/22 12:43	1.0	1	
034	met06_master	SAMPLE	473365-010	Wipe	301526	11/21/22 12:47	1.0	1	
035	met06_master	SAMPLE	473365-012	Wipe	301526	11/21/22 12:50	1.0	1	
036	met06_master	SAMPLE	473365-014	Wipe	301526	11/21/22 12:53	1.0	1	
037	met06_master	SAMPLE	473365-016	Wipe	301526	11/21/22 12:56	1.0	1	
038	met06_master	SAMPLE	473365-018	Wipe	301526	11/21/22 13:00	1.0	1	
039	met06_master	CCV				11/21/22 13:03	1.0	10 1	
040	met06_master	CCB				11/21/22 13:06	1.0	1	1:MGASMGCO3=1200
041	met06_master	SAMPLE	473365-020	Wipe	301526	11/21/22 13:09	1.0	1	
042	met06_master	SAMPLE	473365-022	Wipe	301526	11/21/22 13:13	1.0	1	
043	met06_master	SAMPLE	473365-024	Wipe	301526	11/21/22 13:18	1.0	1	
044	met06_master	BLANK	QC1027003	Wipe	301527	11/21/22 13:21	1.0	1	
045	met06_master	BS	QC1027004	Wipe	301527	11/21/22 13:25	1.0	1	
046	met06_master	BSD	QC1027005	Wipe	301527	11/21/22 13:28	1.0	1	
047	met06_master	SAMPLE	473365-026	Wipe	301527	11/21/22 13:31	1.0	1	
048	met06_master	SAMPLE	473365-027	Wipe	301527	11/21/22 13:34	1.0	1	
049	met06_master	SAMPLE	473365-029	Wipe	301527	11/21/22 13:38	1.0	1	
050	met06_master	SAMPLE	473365-031	Wipe	301527	11/21/22 13:41	1.0	1	
051	met06_master	CCV				11/21/22 13:44	1.0	10 1	
052	met06_master	CCB				11/21/22 13:47	1.0	1	

Enthalpy Sequence Summary for Sequence 482468627

Instrument: MET06 Begun: 11/21/22 10:27
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	CCV				11/21/22 13:56	1.0	10 1	
054	met06_master	CCB				11/21/22 14:00	1.0	1	
055	met06_master	BLANK	QC1027000	Wipe	301526	11/21/22 14:03	1.0	1	
056	met06_master	BS	QC1027001	Wipe	301526	11/21/22 14:06	1.0	1	
057	met06_master	BSD	QC1027002	Wipe	301526	11/21/22 14:09	1.0	1	
058	met06_master	SAMPLE	473361-002	Wipe	301526	11/21/22 14:13	1.0	1	
059	met06_master	SAMPLE	473361-004	Wipe	301526	11/21/22 14:16	1.0	1	
060	met06_master	SAMPLE	473364-003	Wipe	301526	11/21/22 14:19	1.0	1	
061	met06_master	SAMPLE	473364-005	Wipe	301526	11/21/22 14:22	1.0	1	
062	met06_master	SAMPLE	473364-006	Wipe	301526	11/21/22 14:26	1.0	1	
063	met06_master	SAMPLE	473364-008	Wipe	301526	11/21/22 14:29	1.0	1	
064	met06_master	SAMPLE	473364-010	Wipe	301526	11/21/22 14:32	1.0	1	
065	met06_master	CCV				11/21/22 14:35	1.0	10 1	
066	met06_master	CCB				11/21/22 14:39	1.0	1	
067	met06_master	SAMPLE	473364-012	Wipe	301526	11/21/22 14:42	1.0	1	
068	met06_master	SAMPLE	473365-002	Wipe	301526	11/21/22 14:45	1.0	1	
069	met06_master	SAMPLE	473365-005	Wipe	301526	11/21/22 14:48	1.0	1	1:ZN=310
070	met06_master	SAMPLE	473365-007	Wipe	301526	11/21/22 14:52	1.0	1	
071	met06_master	SAMPLE	473365-009	Wipe	301526	11/21/22 14:55	1.0	1	
072	met06_master	SAMPLE	473365-010	Wipe	301526	11/21/22 14:58	1.0	1	
073	met06_master	SAMPLE	473365-012	Wipe	301526	11/21/22 15:02	1.0	1	
074	met06_master	SAMPLE	473365-014	Wipe	301526	11/21/22 15:05	1.0	1	
075	met06_master	SAMPLE	473365-016	Wipe	301526	11/21/22 15:08	1.0	1	
076	met06_master	SAMPLE	473365-018	Wipe	301526	11/21/22 15:11	1.0	1	
077	met06_master	CCV				11/21/22 15:15	1.0	10 1	
078	met06_master	CCB				11/21/22 15:18	1.0	1	

Instrument: MET06 Begun: 11/21/22 10:27
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
079	met06_master	SAMPLE	473365-020	Wipe	301526	11/21/22 15:21	1.0	1	
080	met06_master	SAMPLE	473365-022	Wipe	301526	11/21/22 15:24	1.0	1	
081	met06_master	SAMPLE	473365-024	Wipe	301526	11/21/22 15:28	1.0	1	
082	met06_master	BLANK	QC1027003	Wipe	301527	11/21/22 15:31	1.0	1	
083	met06_master	BS	QC1027004	Wipe	301527	11/21/22 15:34	1.0	1	
084	met06_master	BSD	QC1027005	Wipe	301527	11/21/22 15:37	1.0	1	
085	met06_master	SAMPLE	473365-026	Wipe	301527	11/21/22 15:41	1.0	1	
086	met06_master	SAMPLE	473365-027	Wipe	301527	11/21/22 15:44	1.0	1	
087	met06_master	SAMPLE	473365-029	Wipe	301527	11/21/22 15:47	1.0	1	
088	met06_master	SAMPLE	473365-031	Wipe	301527	11/21/22 15:50	1.0	1	
089	met06_master	CCV				11/21/22 15:54	1.0	10 1	
090	met06_master	CCB				11/21/22 15:57	1.0	1	
091	met06_master	SAMPLE	473365-034	Wipe	301527	11/21/22 16:00	1.0	1	
092	met06_master	SAMPLE	473365-036	Wipe	301527	11/21/22 16:03	1.0	1	
093	met06_master	SAMPLE	473365-038	Wipe	301527	11/21/22 16:07	1.0	1	
094	met06_master	SAMPLE	473365-040	Wipe	301527	11/21/22 16:10	1.0	1	
095	met06_master	SAMPLE	473365-042	Wipe	301527	11/21/22 16:13	1.0	1	
096	met06_master	SAMPLE	473365-044	Wipe	301527	11/21/22 16:16	1.0	1	
097	met06_master	SAMPLE	473365-046	Wipe	301527	11/21/22 16:20	1.0	1	
098	met06_master	SAMPLE	473365-048	Wipe	301527	11/21/22 16:23	1.0	1	
099	met06_master	SAMPLE	473365-050	Wipe	301527	11/21/22 16:26	1.0	1	
100	met06_master	BLANK	QC1026582	TCLP Leachate	301399	11/21/22 16:29	1.0	1	
101	met06_master	CCV				11/21/22 16:33	1.0	10 1	
102	met06_master	CCB				11/21/22 16:36	1.0	1	
103	met06_master	LCS	QC1026583	TCLP Leachate	301399	11/21/22 16:40	1.0	1	
104	met06_master	MSS	472886-001	TCLP Leachate	301399	11/21/22 16:43	1.0	1	1:SULFUR=800

Enthalpy Sequence Summary for Sequence 482468627

Instrument: MET06 Begun: 11/21/22 10:27
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	MS	QC1026584	TCLP Leachate	301399	11/21/22 16:47	1.0	1	1:SULFUR=770
106	met06_master	MSD	QC1026585	TCLP Leachate	301399	11/21/22 16:50	1.0	1	1:SULFUR=780
107	met06_master	BLANK	QC1026734	WET Leachate	301449	11/21/22 16:59	1.0	1	
108	met06_master	BS	QC1026735	WET Leachate	301449	11/21/22 17:02	1.0	1	
109	met06_master	BSD	QC1026736	WET Leachate	301449	11/21/22 17:07	1.0	1	
110	met06_master	SAMPLE	472764-001	WET Leachate	301449	11/21/22 17:10	1.0	1	

Standards Used:
1=S13369 2=S17470 3=S17469 4=S17466 5=S17429 6=S17316 7=S17333 8=S17334 9=S17210 10=S17413 11=S17318 12=S17207 13=S17208

Enthalpy Internal Standard Summary for Sequence 482468627

Date: 11/21/22 Reference: met06_master

Sequence: MET06 11/21/22 Analyzed: 11/21/22 10:27

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	29007000	893080	179033
		LOWER LIMIT	8702100	267924	53710
		UPPER LIMIT	58014000	1786160	358066
013	ICB		29984100	897680	180838
014	ICSA		25969000	832179	175569
015	ICSAB		25930700	831214	173833
016	ICSA		26072200	816676	175464
040	CCB		36083 *	4969 *	224 *
053	CCV		26359800	829129	168480
054	CCB		28980800	891755	168546
055	BLANK	QC1027000	28284200	858334	162384
056	BS	QC1027001	26999100	842489	161731
057	BSD	QC1027002	27331700	851304	163692
058	SAMPLE	473361-002	27119600	831545	160804
059	SAMPLE	473361-004	26597100	805703	161158
060	SAMPLE	473364-003	27921400	872875	168068
061	SAMPLE	473364-005	27976400	866975	164145
062	SAMPLE	473364-006	27600600	844800	167402
063	SAMPLE	473364-008	28085700	861662	166012
064	SAMPLE	473364-010	28354100	873187	164994
065	CCV		27546600	881843	176092
066	CCB		29996400	931147	174071
067	SAMPLE	473364-012	28056900	863727	162869
068	SAMPLE	473365-002	27505600	847703	163707
069	SAMPLE	473365-005	26776800	829273	163015
070	SAMPLE	473365-007	27954100	875756	165724
071	SAMPLE	473365-009	28040300	873127	166481
072	SAMPLE	473365-010	28453500	865289	164513
073	SAMPLE	473365-012	28736300	888437	168109
074	SAMPLE	473365-014	27749000	860408	164475
075	SAMPLE	473365-016	28219100	882575	167691
076	SAMPLE	473365-018	27989900	871902	165662
077	CCV		28013700	900268	177248
078	CCB		30055800	951642	174647
079	SAMPLE	473365-020	28584000	896531	169819
080	SAMPLE	473365-022	28443900	889479	168770
081	SAMPLE	473365-024	28505200	884393	168522
082	BLANK	QC1027003	30260600	931894	174110
083	BS	QC1027004	28487800	900894	166782
084	BSD	QC1027005	28842200	911464	171504
085	SAMPLE	473365-026	28978200	909573	171690
086	SAMPLE	473365-027	28475900	888266	168477
087	SAMPLE	473365-029	28170800	877731	165722
088	SAMPLE	473365-031	28061500	875559	164955
089	CCV		27568300	887697	173205
090	CCB		30171600	943445	171070
091	SAMPLE	473365-034	27884500	867377	165261
092	SAMPLE	473365-036	28646700	889261	167217
093	SAMPLE	473365-038	28084100	875538	168928
094	SAMPLE	473365-040	28632300	890644	165146
095	SAMPLE	473365-042	28365200	904881	168038

Enthalpy Internal Standard Summary for Sequence 482468627

Date:	11/21/22	Reference:	met06_master
Sequence:	MET06 11/21/22	Analyzed:	11/21/22 10:27

#	Type	Sample ID	Y H	Y A	Y R
096	SAMPLE	473365-044	28778700	915600	168904
097	SAMPLE	473365-046	29163700	912458	165567
098	SAMPLE	473365-048	27599700	879288	163377
099	SAMPLE	473365-050	28845800	913724	169806
100	BLANK	QC1026582	30706100	971547	175082
101	CCV		27889300	907866	174881
102	CCB		30389800	971782	174380
103	LCS	QC1026583	29465700	953512	171840
104	MSS	472886-001	28229500	915900	171681
105	MS	QC1026584	28357200	922174	173228
106	MSD	QC1026585	28194700	916595	172313
107	BLANK	QC1026734	29157200	949893	175049
108	BS	QC1026735	29003200	953586	177315
109	BSD	QC1026736	29178300	957383	176072
110	SAMPLE	472764-001	28569300	941232	176210

ENTHALPY INITIAL CALIBRATION FOR 473364 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482468627001	Date:	21-NOV-2022 10:27
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482468627002	L1	21-NOV-2022 10:30	S17470, S13369 (100X)
L2	met06_master	482468627003	L2	21-NOV-2022 10:33	S17469, S13369 (100X)
L3	met06_master	482468627004	L3	21-NOV-2022 10:36	S17466, S13369 (100X)
L4	met06_master	482468627005	L4	21-NOV-2022 10:40	S17429, 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	0.0035	0.0344	0.0332	0.0315	WB1K	0.00286	31.7335		0.0256	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	-3	0.1000	12	1.0000	6	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06		
Calnum:	482468627001	Cal Date:	21-NOV-2022

- ICV 482468627011 (21-NOV-2022) stds: S17413, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.012	mg/l	1	

ENTHALPY INSTRUMENT BLANK FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627013	File:	met06_master	Time:	21-NOV-2022 11:10
Cal:	482468627001	Caldate:	21-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	H	29007000	29984100	3.37
Yttrium	A	893080	897680	0.52
Yttrium	R	179033	180838	1.01

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627015	File:	met06_master	Time:	21-NOV-2022 11:16
Cal:	482468627001	Caldate:	21-NOV-2022		

Standards: S17208, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9873	mg/l	-1	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29007000	25930700	-10.61
Yttrium	A	893080	831214	-6.93
Yttrium	R	179033	173833	-2.90

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627016	File:	met06_master	Time:	21-NOV-2022 11:20
Cal:	482468627001	Caldate:	21-NOV-2022		

Standards: S17207, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.009171]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	140.9	mg/l	88	
Aluminum	R	400.0	402.5	mg/l	101	
Calcium	R	400.0	403.1	mg/l	101	
Magnesium	R	400.0	409.3	mg/l	102	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29007000	26072200	-10.12
Yttrium	A	893080	816676	-8.56
Yttrium	R	179033	175464	-1.99

-=low bias a=ICSA

ENTHALPY CONTINUING CALIBRATION FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627053	File:	met06_master	Time:	21-NOV-2022 13:56
Cal:	482468627001	Caldate:	21-NOV-2022		

Standards: S17413, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0256	0.0335	1.000	1.066	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29007000	26359800	-9.13
Yttrium	A	893080	829129	-7.16
Yttrium	R	179033	168480	-5.89

ENTHALPY INSTRUMENT BLANK FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627054	File:	met06_master	Time:	21-NOV-2022 14:00
Cal:	482468627001	Caldate:	21-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	H	29007000	28980800	-0.09
Yttrium	A	893080	891755	-0.15
Yttrium	R	179033	168546	-5.86

ENTHALPY CONTINUING CALIBRATION FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627065	File:	met06_master	Time:	21-NOV-2022 14:35
Cal:	482468627001	Caldate:	21-NOV-2022		

Standards: S17413, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0256	0.0328	1.000	1.042	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29007000	27546600	-5.03
Yttrium	A	893080	881843	-1.26
Yttrium	R	179033	176092	-1.64

ENTHALPY INSTRUMENT BLANK FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627066	File:	met06_master	Time:	21-NOV-2022 14:39
Cal:	482468627001	Caldate:	21-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	H	29007000	29996400	3.41
Yttrium	A	893080	931147	4.26
Yttrium	R	179033	174071	-2.77

ENTHALPY CONTINUING CALIBRATION FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627077	File:	met06_master	Time:	21-NOV-2022 15:15
Cal:	482468627001	Caldate:	21-NOV-2022		

Standards: S17413, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0256	0.0319	1.000	1.016	mg/l	2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29007000	28013700	-3.42
Yttrium	A	893080	900268	0.80
Yttrium	R	179033	177248	-1.00

ENTHALPY INSTRUMENT BLANK FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627078	File:	met06_master	Time:	21-NOV-2022 15:18
Cal:	482468627001	Caldate:	21-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	H	29007000	30055800	3.62
Yttrium	A	893080	951642	6.56
Yttrium	R	179033	174647	-2.45

SAMPLE PREPARATION SUMMARY

Batch # : 301526 Analysis : ICP
Started By : DLS Prep Date : 19-NOV-2022 10:30 Finished By : DLS
Method : 3050B Units : ft2
Spike #1 ID : S17422 Spike #2 ID : S17423

Sample	Stype	Matrix	Initial	Final	Clean DF	Prep DF	pH	Sp 1 Vol	Sp 2 Vol	Sp 3 Vol	Clean Method	Analysis	Comments
473361-002		Wipe	1.03	50	1	48.54						6010	
473361-004		Wipe	1	50	1	50.0						6010	
473364-003		Wipe	1	50	1	50.0						6010	
473364-005		Wipe	1	50	1	50.0						6010	
473364-006		Wipe	1	50	1	50.0						6010	
473364-008		Wipe	1.02	50	1	49.02						6010	
473364-010		Wipe	1	50	1	50.0						6010	
473364-012		Wipe	1	50	1	50.0						6010	
473365-002		Wipe	1	50	1	50.0						6010	
473365-005		Wipe	1	50	1	50.0						6010	
473365-007		Wipe	1	50	1	50.0						6010	
473365-009		Wipe	1	50	1	50.0						6010	
473365-010		Wipe	1	50	1	50.0						6010	
473365-012		Wipe	1	50	1	50.0						6010	
473365-014		Wipe	1	50	1	50.0						6010	
473365-016		Wipe	1	50	1	50.0						6010	
473365-018		Wipe	1	50	1	50.0						6010	
473365-020		Wipe	1	50	1	50.0						6010	
473365-022		Wipe	1	50	1	50.0						6010	
473365-024		Wipe	1	50	1	50.0						6010	
QC1027000	BLANK	Wipe	1	50	1	50.0						ICP	
QC1027001	BS	Wipe	1	50	1	50.0		1	1			ICP	
QC1027002	BSD	Wipe	1	50	1	50.0		1	1			ICP	

Analyst: SBW Date: 11/21/22 Reviewer: _____ Date: _____

ICP Prep Log

Initials: DS Prep Method: (3050B) / 3010A / 200.7 / STLC QC Batch #: 301526 Thermometer ID: 763748

Prep Start, Date/Time: 11/19/22 10:30 Prep End, Date/Time: 11/19/22 12:43 HotBlock Temperature, °C: 96.5

HotBlock ID: 4

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	50	220805	
LCS	-----	-----	-----	↓	↓	↓	↓	
LCSD	—	—	—	↓	↓	↓	↓	
473361-2	A	NA	W;po	1 wpo	↓	↓	↓	
-4	A	↓	↓	↓	↓	↓	↓	
473364-3	A	↓	↓	↓	↓	↓	↓	
-5	A	↓	↓	↓	↓	↓	↓	
-6	A	↓	↓	↓	↓	↓	↓	
-8	A	↓	↓	↓	↓	↓	↓	
-10	A	↓	↓	↓	↓	↓	↓	
-12	A	↓	↓	↓	↓	↓	↓	
473365-2	A	↓	↓	↓	↓	↓	↓	
-5	A	↓	↓	↓	↓	↓	↓	
-7	A	↓	↓	↓	↓	↓	↓	
-9	A	↓	↓	↓	↓	↓	↓	
-10	A	↓	↓	↓	↓	↓	↓	
-12	A	↓	↓	↓	↓	↓	↓	
-14	A	↓	↓	↓	↓	↓	↓	
-16	A	↓	↓	↓	↓	↓	↓	
-18	A	↓	↓	↓	↓	↓	↓	
-20	A	↓	↓	↓	↓	↓	↓	
-22	A	↓	↓	↓	↓	↓	↓	
-24	A	↓	↓	↓	↓	↓	↓	
								DS 11/19/22
								DS 11/19/22

Hydrochloric Acid ID: 10mV-

Nitric Acid ID: 10mV-

H_2O_2 ID: 3mL-

LCS Spike ID: 1mL-S17422/S17423

MS/MSD Spike ID: NA

ICP Prep Log

Initials: DS Prep Method: (3050B) / 3010A / 200.7 / STLC QC Batch #: 301526 Thermometer ID: 763746

Prep Start, Date/Time: 11/19/22 10:30 Prep End, Date/Time: 11/19/22 1245 HotBlock Temperature, °C: 96.5

HotBlock ID: 4

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	50	2208065	
LCS	-----	-----	-----	↓	↓	↓	↓	
LCSD	—	—	—	↓	↓	↓	↓	
473361-2	A	NA	Wipe	1 wipe	↓	↓	↓	
↓ -4	A	↓	↓	↓	↓	↓	↓	
473364-3	A	↓	↓	↓	↓	↓	↓	
↑ -5	A	↓	↓	↓	↓	↓	↓	
-6	A	↓	↓	↓	↓	↓	↓	
-8	A	↓	↓	↓	↓	↓	↓	
-10	A	↓	↓	↓	↓	↓	↓	
↓ -12	A	↓	↓	↓	↓	↓	↓	
473365-2	A	↓	↓	↓	↓	↓	↓	
↓ -5	A	↓	↓	↓	↓	↓	↓	
-7	A	↓	↓	↓	↓	↓	↓	
-9	A	↓	↓	↓	↓	↓	↓	
-10	A	↓	↓	↓	↓	↓	↓	
-12	A	↓	↓	↓	↓	↓	↓	
-14	A	↓	↓	↓	↓	↓	↓	
-16	A	↓	↓	↓	↓	↓	↓	
-18	A	↓	↓	↓	↓	↓	↓	
-20	A	↓	↓	↓	↓	↓	↓	
-22	A	↓	↓	↓	↓	↓	↓	
-24	A	↓	↓	↓	↓	↓	↓	DS 11/19/22
								DS 11/19/22

DS 11/19/22

Hydrochloric Acid ID: 10mV - 2231016 8

Nitric Acid ID: 10mV - 20220906 45

H_2O_2 ID: 3mL - 22340)

LCS Spike ID: 1mL - S17422 / S17423

MS/MSD Spike ID: NA

ICP Raw Data

Enthalpy Sequence Summary for Sequence 482468627

Instrument: MET06 Begun: 11/21/22 10:27
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master	ICALBLK	CALBLANK			11/21/22 10:27	1.0	1	
002	met06_master	ICAL	L1			11/21/22 10:30	1.0	2 1	
003	met06_master	ICAL	L2			11/21/22 10:33	1.0	3 1	
004	met06_master	ICAL	L3			11/21/22 10:36	1.0	4 1	
005	met06_master	ICAL	L4			11/21/22 10:40	1.0	5 1	
006	met06_master	ICAL	L5			11/21/22 10:43	1.0	6 1	
007	met06_master	ICAL	L6			11/21/22 10:46	1.0	7 1	
008	met06_master	ICAL	L7			11/21/22 10:50	1.0	8 1	
009	met06_master	ICAL	L8			11/21/22 10:53	1.0	9 1	
010	met06_master	XICV				11/21/22 10:56	1.0	10 1	
011	met06_master	ICV				11/21/22 11:03	1.0	10 1	
012	met06_master	CRI				11/21/22 11:06	1.0	11 1	
013	met06_master	ICB				11/21/22 11:10	1.0	1	
014	met06_master	ICSA				11/21/22 11:13	1.0	12 1	5:MGASMGCO3=1500
015	met06_master	ICSAB				11/21/22 11:16	1.0	13 1	5:MGASMGCO3=1500
016	met06_master	ICSA				11/21/22 11:20	1.0	12 1	5:MGASMGCO3=1400
017	met06_master	BLANK	QC1027000	Wipe	301526	11/21/22 11:51	1.0	1	
018	met06_master	BS	QC1027001	Wipe	301526	11/21/22 11:55	1.0	1	
019	met06_master	BSD	QC1027002	Wipe	301526	11/21/22 11:58	1.0	1	
020	met06_master	SAMPLE	473361-002	Wipe	301526	11/21/22 12:01	1.0	1	
021	met06_master	SAMPLE	473361-004	Wipe	301526	11/21/22 12:04	1.0	1	
022	met06_master	SAMPLE	473364-003	Wipe	301526	11/21/22 12:08	1.0	1	
023	met06_master	SAMPLE	473364-005	Wipe	301526	11/21/22 12:11	1.0	1	
024	met06_master	SAMPLE	473364-006	Wipe	301526	11/21/22 12:14	1.0	1	
025	met06_master	SAMPLE	473364-008	Wipe	301526	11/21/22 12:17	1.0	1	
026	met06_master	SAMPLE	473364-010	Wipe	301526	11/21/22 12:21	1.0	1	

Instrument: MET06 Begun: 11/21/22 10:27
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
027	met06_master	CCV				11/21/22 12:24	1.0	10 1	
028	met06_master	CCB				11/21/22 12:27	1.0	1	
029	met06_master	SAMPLE	473364-012	Wipe	301526	11/21/22 12:30	1.0	1	
030	met06_master	SAMPLE	473365-002	Wipe	301526	11/21/22 12:34	1.0	1	
031	met06_master	SAMPLE	473365-005	Wipe	301526	11/21/22 12:37	1.0	1	
032	met06_master	SAMPLE	473365-007	Wipe	301526	11/21/22 12:40	1.0	1	
033	met06_master	SAMPLE	473365-009	Wipe	301526	11/21/22 12:43	1.0	1	
034	met06_master	SAMPLE	473365-010	Wipe	301526	11/21/22 12:47	1.0	1	
035	met06_master	SAMPLE	473365-012	Wipe	301526	11/21/22 12:50	1.0	1	
036	met06_master	SAMPLE	473365-014	Wipe	301526	11/21/22 12:53	1.0	1	
037	met06_master	SAMPLE	473365-016	Wipe	301526	11/21/22 12:56	1.0	1	
038	met06_master	SAMPLE	473365-018	Wipe	301526	11/21/22 13:00	1.0	1	
039	met06_master	CCV				11/21/22 13:03	1.0	10 1	
040	met06_master	CCB				11/21/22 13:06	1.0	1	1:MGASMGCO3=1200
041	met06_master	SAMPLE	473365-020	Wipe	301526	11/21/22 13:09	1.0	1	
042	met06_master	SAMPLE	473365-022	Wipe	301526	11/21/22 13:13	1.0	1	
043	met06_master	SAMPLE	473365-024	Wipe	301526	11/21/22 13:18	1.0	1	
044	met06_master	BLANK	QC1027003	Wipe	301527	11/21/22 13:21	1.0	1	
045	met06_master	BS	QC1027004	Wipe	301527	11/21/22 13:25	1.0	1	
046	met06_master	BSD	QC1027005	Wipe	301527	11/21/22 13:28	1.0	1	
047	met06_master	SAMPLE	473365-026	Wipe	301527	11/21/22 13:31	1.0	1	
048	met06_master	SAMPLE	473365-027	Wipe	301527	11/21/22 13:34	1.0	1	
049	met06_master	SAMPLE	473365-029	Wipe	301527	11/21/22 13:38	1.0	1	
050	met06_master	SAMPLE	473365-031	Wipe	301527	11/21/22 13:41	1.0	1	
051	met06_master	CCV				11/21/22 13:44	1.0	10 1	
052	met06_master	CCB				11/21/22 13:47	1.0	1	

Enthalpy Sequence Summary for Sequence 482468627

Instrument: MET06 Begun: 11/21/22 10:27
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
053	met06_master	CCV				11/21/22 13:56	1.0	10 1	
054	met06_master	CCB				11/21/22 14:00	1.0	1	
055	met06_master	BLANK	QC1027000	Wipe	301526	11/21/22 14:03	1.0	1	
056	met06_master	BS	QC1027001	Wipe	301526	11/21/22 14:06	1.0	1	
057	met06_master	BSD	QC1027002	Wipe	301526	11/21/22 14:09	1.0	1	
058	met06_master	SAMPLE	473361-002	Wipe	301526	11/21/22 14:13	1.0	1	
059	met06_master	SAMPLE	473361-004	Wipe	301526	11/21/22 14:16	1.0	1	
060	met06_master	SAMPLE	473364-003	Wipe	301526	11/21/22 14:19	1.0	1	
061	met06_master	SAMPLE	473364-005	Wipe	301526	11/21/22 14:22	1.0	1	
062	met06_master	SAMPLE	473364-006	Wipe	301526	11/21/22 14:26	1.0	1	
063	met06_master	SAMPLE	473364-008	Wipe	301526	11/21/22 14:29	1.0	1	
064	met06_master	SAMPLE	473364-010	Wipe	301526	11/21/22 14:32	1.0	1	
065	met06_master	CCV				11/21/22 14:35	1.0	10 1	
066	met06_master	CCB				11/21/22 14:39	1.0	1	
067	met06_master	SAMPLE	473364-012	Wipe	301526	11/21/22 14:42	1.0	1	
068	met06_master	SAMPLE	473365-002	Wipe	301526	11/21/22 14:45	1.0	1	
069	met06_master	SAMPLE	473365-005	Wipe	301526	11/21/22 14:48	1.0	1	1:ZN=310
070	met06_master	SAMPLE	473365-007	Wipe	301526	11/21/22 14:52	1.0	1	
071	met06_master	SAMPLE	473365-009	Wipe	301526	11/21/22 14:55	1.0	1	
072	met06_master	SAMPLE	473365-010	Wipe	301526	11/21/22 14:58	1.0	1	
073	met06_master	SAMPLE	473365-012	Wipe	301526	11/21/22 15:02	1.0	1	
074	met06_master	SAMPLE	473365-014	Wipe	301526	11/21/22 15:05	1.0	1	
075	met06_master	SAMPLE	473365-016	Wipe	301526	11/21/22 15:08	1.0	1	
076	met06_master	SAMPLE	473365-018	Wipe	301526	11/21/22 15:11	1.0	1	
077	met06_master	CCV				11/21/22 15:15	1.0	10 1	
078	met06_master	CCB				11/21/22 15:18	1.0	1	

Instrument: MET06 Begun: 11/21/22 10:27
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
079	met06_master	SAMPLE	473365-020	Wipe	301526	11/21/22 15:21	1.0	1	
080	met06_master	SAMPLE	473365-022	Wipe	301526	11/21/22 15:24	1.0	1	
081	met06_master	SAMPLE	473365-024	Wipe	301526	11/21/22 15:28	1.0	1	
082	met06_master	BLANK	QC1027003	Wipe	301527	11/21/22 15:31	1.0	1	
083	met06_master	BS	QC1027004	Wipe	301527	11/21/22 15:34	1.0	1	
084	met06_master	BSD	QC1027005	Wipe	301527	11/21/22 15:37	1.0	1	
085	met06_master	SAMPLE	473365-026	Wipe	301527	11/21/22 15:41	1.0	1	
086	met06_master	SAMPLE	473365-027	Wipe	301527	11/21/22 15:44	1.0	1	
087	met06_master	SAMPLE	473365-029	Wipe	301527	11/21/22 15:47	1.0	1	
088	met06_master	SAMPLE	473365-031	Wipe	301527	11/21/22 15:50	1.0	1	
089	met06_master	CCV				11/21/22 15:54	1.0	10 1	
090	met06_master	CCB				11/21/22 15:57	1.0	1	
091	met06_master	SAMPLE	473365-034	Wipe	301527	11/21/22 16:00	1.0	1	
092	met06_master	SAMPLE	473365-036	Wipe	301527	11/21/22 16:03	1.0	1	
093	met06_master	SAMPLE	473365-038	Wipe	301527	11/21/22 16:07	1.0	1	
094	met06_master	SAMPLE	473365-040	Wipe	301527	11/21/22 16:10	1.0	1	
095	met06_master	SAMPLE	473365-042	Wipe	301527	11/21/22 16:13	1.0	1	
096	met06_master	SAMPLE	473365-044	Wipe	301527	11/21/22 16:16	1.0	1	
097	met06_master	SAMPLE	473365-046	Wipe	301527	11/21/22 16:20	1.0	1	
098	met06_master	SAMPLE	473365-048	Wipe	301527	11/21/22 16:23	1.0	1	
099	met06_master	SAMPLE	473365-050	Wipe	301527	11/21/22 16:26	1.0	1	
100	met06_master	BLANK	QC1026582	TCLP Leachate	301399	11/21/22 16:29	1.0	1	
101	met06_master	CCV				11/21/22 16:33	1.0	10 1	
102	met06_master	CCB				11/21/22 16:36	1.0	1	
103	met06_master	LCS	QC1026583	TCLP Leachate	301399	11/21/22 16:40	1.0	1	
104	met06_master	MSS	472886-001	TCLP Leachate	301399	11/21/22 16:43	1.0	1	1:SULFUR=800

Enthalpy Sequence Summary for Sequence 482468627

Instrument: MET06 Begun: 11/21/22 10:27
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
105	met06_master	MS	QC1026584	TCLP Leachate	301399	11/21/22 16:47	1.0	1	1:SULFUR=770
106	met06_master	MSD	QC1026585	TCLP Leachate	301399	11/21/22 16:50	1.0	1	1:SULFUR=780
107	met06_master	BLANK	QC1026734	WET Leachate	301449	11/21/22 16:59	1.0	1	
108	met06_master	BS	QC1026735	WET Leachate	301449	11/21/22 17:02	1.0	1	
109	met06_master	BSD	QC1026736	WET Leachate	301449	11/21/22 17:07	1.0	1	
110	met06_master	SAMPLE	472764-001	WET Leachate	301449	11/21/22 17:10	1.0	1	

Standards Used:
1=S13369 2=S17470 3=S17469 4=S17466 5=S17429 6=S17316 7=S17333 8=S17334 9=S17210 10=S17413 11=S17318 12=S17207 13=S17208

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	473364-003	Client ID:	AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-L-LA
Seqnum:	482468627060	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master	Batch:	301526	Time:	21-NOV-2022 14:19
Cal:	482468627001	Caldate:	21-NOV-2022		
IDF:	1.0	Raw Units:	mg/l	Units:	ug/ft2

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	2.781	140	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	893080	872875	-2.26

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 473364-003,301526			Sample Type: Unknown Sample
Measure Date: 2022-11-21 14:19:37	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	32163.10000000	7382.76000000	3501.47000000	6131.31000000	9213.50000000	19602.90000000	6621.65000000
Int RSD	*0.68540968*	*1.43527624*	*0.43492876*	*1.15734810*	*1.43506811*	*1.67534906*	*0.35115568*
Int SD	*220.44900000*	*105.96300000*	*15.22890000*	*70.96060000*	*132.22000000*	*328.41700000*	*23.25230000*
RelInt Mean	0.00002055	0.04142110	-0.00031485	0.00132913	0.00482677	0.11650000	0.00221594
RelInt RSD	*42.43403928*	*2.47530848*	*4.37777510*	*7.65154650*	*3.05686826*	*3.07658369*	*0.74238923*
RelInt SD	*0.00000872*	*0.00102530*	*0.00001378*	*0.00010170*	*0.00014755*	*0.00358422*	*0.00001645*
Conc Mean	<-0.00023745[mg/l]	3.22194000[mg/l]	<-0.01208110[mg/l]	0.01157620[mg/l]	0.01399280[mg/l]	9.60361000[mg/l]	0.01306720[mg/l]
Conc RSD	*144.58019061*	*2.60416395*	*6.09221842*	*10.47554465*	*3.15855297*	*3.09647101*	*0.73704160*
Conc SD	*0.00034331[mg/l]*	*0.08390460[mg/l]*	*0.00073601[mg/l]*	*0.00121267[mg/l]*	*0.00044197[mg/l]*	*0.29737300[mg/l]*	*0.00009631[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	11592.00000000	225296	20630900	4076.40000000	3916.92000000	753135	4108.30000000
Int RSD	*1.01168047*	*1.72852603*	*0.22300627*	*8.10536257*	*2.68831122*	*0.35609154*	*1.48518365*
Int SD	*117.27400000*	*3894.30000000*	*46008.20000000*	*330.40700000*	*105.29900000*	*2681.85000000*	*61.01580000*
RelInt Mean	0.00784838	0.00699707	23.79770000	0.02480770	0.01973440	0.86173400	0.00021741
RelInt RSD	*1.46891460*	*1.75267648*	*0.06912769*	*9.80014270*	*5.93942557*	*0.18285805*	*27.52203190*
RelInt SD	*0.00011529*	*0.00012264*	*0.01645080*	*0.00243119*	*0.00117211*	*0.00157575*	*0.00005984*
Conc Mean	0.05280720[mg/l]	0.20654900[mg/l]	75.18070000[mg/l]	2.02629000[mg/l]	4.08483000[mg/l]	0.48972700[mg/l]	<-0.00005108[mg/l]
Conc RSD	*1.47411527*	*1.80491796*	*0.06917826*	*9.45634633*	*5.81108639*	*0.18290762*	*839.12618717*
Conc SD	*0.00077844[mg/l]*	*0.00372804[mg/l]*	*0.05200870[mg/l]*	*0.19161300[mg/l]*	*0.23737300[mg/l]*	*0.00089575[mg/l]*	*0.00042860[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	97034.30000000	33834.60000000	80968.10000000	4099.05000000	3947.84000000	6129.86000000	2745.94000000
Int RSD	*1.09938444*	*0.69713252*	*0.69627545*	*0.26390749*	*0.55761632*	*1.39553106*	*6.90812618*
Int SD	*1066.78000000*	*235.87200000*	*563.76100000*	*10.81770000*	*22.01380000*	*85.54410000*	*189.69300000*
RelInt Mean	0.55322500	0.03315390	0.08758500	0.00028344	0.00057553	0.00176005	0.01466470
RelInt RSD	*2.17177459*	*0.68845596*	*0.56015642*	*7.83704258*	*5.96777585*	*4.80551121*	*9.96263135*
RelInt SD	*0.01201480*	*0.00022825*	*0.00049061*	*0.00002221*	*0.00003435*	*0.00008458*	*0.00146099*
Conc Mean	5.99895000[mg/l]	0.32628200[mg/l]	2.78148000[mg/l]	0.01692390[mg/l]	0.03779370[mg/l]	0.03210150[mg/l]	0.01357070[mg/l]
Conc RSD	*2.20406905*	*0.69291288*	*0.55913758*	*7.03041261*	*6.18724814*	*4.81189353*	*9.37895613*
Conc SD	*0.13222100[mg/l]*	*0.00226085[mg/l]*	*0.01555230[mg/l]*	*0.00118982[mg/l]*	*0.00233839[mg/l]*	*0.00154469[mg/l]*	*0.00127279[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	560222	3358.30000000	9065.16000000	872875	27921400	168068	802418
Int RSD	*2.68343621*	*0.48335467*	*0.74664871*	*0.20369927*	*0.20227961*	*1.70282267*	*0.64864821*
Int SD	*15033.20000000*	*16.23250000*	*67.68490000*	*1778.04000000*	*56479.30000000*	*2861.90000000*	*5204.87000000*
RelInt Mean	0.01884320	-0.00069618	0.00007103	---	---	---	0.92154700
RelInt RSD	*2.65711238*	*1.01723982*	*6.51992618*	---	---	---	*0.73620336*
RelInt SD	*0.00050069*	*0.00000708*	*0.00000463*	---	---	---	*0.00678446*
Conc Mean	0.16684600[mg/l]	<-0.02737820[mg/l]	0.00821741[mg/l]	866582	27868500	167749	>3.76346000[mg/l]
Conc RSD	*2.66967743*	*1.15977676*	*9.86269396*	---	---	---	*0.73641543*
Conc SD	*0.00445425[mg/l]*	*0.00031753[mg/l]*	*0.00081046[mg/l]*	*1764.98000000*	*56434.20000000*	*2820.70000000*	*0.02771470[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	3.91343000	2818.30000000	281725	17960.10000000	4951.70000000	30724.80000000	
Int RSD	*1205.11673902*	*4.51619771*	*0.59892803*	*0.29612363*	*0.28846861*	*1.06481735*	
Int SD	*47.16140000*	*127.28000000*	*1687.33000000*	*53.18410000*	*14.28410000*	*327.16300000*	
RelInt Mean	-0.00068029	0.00199992	0.31866100	0.01592420	-0.00010895	0.03066850	
RelInt RSD	*98.98278974*	*19.39157566*	*0.42437261*	*0.23449969*	*48.63908801*	*0.96442604*	
RelInt SD	*0.00067337*	*0.00038782*	*0.00135231*	*0.00003734*	*0.00005299*	*0.00029578*	
Conc Mean	<-0.00093007[mg/l]	0.00219430[mg/l]	4.87482000[mg/l]	0.56876900[mg/l]	<-0.00071661[mg/l]	3.00000000[mg/l]	
Conc RSD	*293.33288892*	*27.55138313*	*0.42626394*	*0.24439975*	*28.74890981*	*0.96198000*	
Conc SD	*0.00272821[mg/l]*	*0.00060456[mg/l]*	*0.02077960[mg/l]*	*0.00139007[mg/l]*	*0.00020602[mg/l]*	*0.02885940[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	473364-005	Client ID:	AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-L-WF
Seqnum:	482468627061	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master	Batch:	301526	Time:	21-NOV-2022 14:22
Cal:	482468627001	Caldate:	21-NOV-2022		
IDF:	1.0	Raw Units:	mg/l	Units:	ug/ft2

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.4087	20	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	893080	866975	-2.92

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 473364-005,301526			Sample Type: Unknown Sample
Measure Date: 2022-11-21 14:22:53	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	31277.40000000	10637.80000000	3685.04000000	6927.01000000	8781.97000000	22308.40000000	9699.64000000
Int RSD	*0.62861363*	*3.32681569*	*0.71378601*	*0.81531714*	*0.40816013*	*0.64137276*	*2.34332408*
Int SD	*196.61400000*	*353.90000000*	*26.30330000*	*56.47710000*	*35.84450000*	*143.08000000*	*227.29400000*
RelInt Mean	0.00001853	0.06240190	-0.00046768	0.00174177	0.00417206	0.13585300	0.00566613
RelInt RSD	*37.72990708*	*3.16661832*	*4.75725664*	*8.29196737*	*0.91057176*	*0.92147395*	*4.35925402*
RelInt SD	*0.00000699*	*0.00197603*	*0.00002225*	*0.00014443*	*0.00003799*	*0.00125185*	*0.00024700*
Conc Mean	<-0.00031706[mg/l]	4.93900000[mg/l]	<-0.02024310[mg/l]	0.01649670[mg/l]	0.01203440[mg/l]	11.20930000[mg/l]	0.03394030[mg/l]
Conc RSD	*86.80249795*	*3.27420530*	*5.86170102*	*10.43966369*	*0.95890946*	*0.92675725*	*4.42341405*
Conc SD	*0.00027522[mg/l]*	*0.16171300[mg/l]*	*0.00118659[mg/l]*	*0.00172220[mg/l]*	*0.00011540[mg/l]*	*0.10388300[mg/l]*	*0.00150132[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	13168.10000000	334227	34929700	6321.03000000	5394.63000000	1740700	4509.79000000
Int RSD	*0.44016145*	*2.03587681*	*0.15314131*	*3.95399168*	*4.10072609*	*0.54803298*	*1.78337794*
Int SD	*57.96090000*	*6804.45000000*	*53491.80000000*	*249.93300000*	*221.21900000*	*9539.61000000*	*80.42660000*
RelInt Mean	0.00925256	0.01088620	40.58620000	0.03877250	0.02923310	2.01472000	0.00032627
RelInt RSD	*0.83760602*	*1.22513825*	*0.34245384*	*4.18544071*	*4.27371712*	*0.74452529*	*25.48455713*
RelInt SD	*0.00007750*	*0.00013337*	*0.13898900*	*0.00162280*	*0.00124934*	*0.01500010*	*0.00008315*
Conc Mean	0.06228850[mg/l]	0.32478400[mg/l]	>128.22400000[mg/l]	3.12692000[mg/l]	6.00850000[mg/l]	1.14501000[mg/l]	<0.00072864[mg/l]
Conc RSD	*0.84018719*	*1.24809412*	*0.34255288*	*4.09038287*	*4.21075144*	*0.74435507*	*81.73878076*
Conc SD	*0.00052334[mg/l]*	*0.00405361[mg/l]*	*0.43923500[mg/l]*	*0.12790300[mg/l]*	*0.25300300[mg/l]*	*0.00852294[mg/l]*	*0.00059558[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	113102	12934.40000000	16066.80000000	4158.34000000	4310.34000000	6605.54000000	2970.89000000
Int RSD	*0.83935032*	*0.41889690*	*0.65322902*	*0.16910762*	*0.95284131*	*0.51042004*	*6.02028348*
Int SD	*949.32200000*	*54.18180000*	*104.95300000*	*7.03207000*	*41.07070000*	*33.71600000*	*178.85600000*
RelInt Mean	0.66396000	0.00893286	0.01282020	0.00023745	0.00057577	0.00179830	0.01652370
RelInt RSD	*0.87181607*	*0.39336338*	*1.42034446*	*6.68723283*	*10.82809827*	*2.61251182*	*3.98700654*
RelInt SD	*0.00578851*	*0.00003514*	*0.00018209*	*0.00001588*	*0.00006234*	*0.00004698*	*0.00065880*
Conc Mean	7.21753000[mg/l]	0.08640030[mg/l]	0.40867700[mg/l]	0.01439860[mg/l]	0.03780960[mg/l]	0.03280010[mg/l]	0.01519020[mg/l]
Conc RSD	*0.88258726*	*0.40280068*	*1.41346344*	*5.94160543*	*11.22614362*	*2.61586093*	*3.77851510*
Conc SD	*0.06370100[mg/l]*	*0.00034802[mg/l]*	*0.00577650[mg/l]*	*0.00085551[mg/l]*	*0.00424456[mg/l]*	*0.00085801[mg/l]*	*0.00057396[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	729985	3618.61000000	10199.90000000	866975	27976400	164145	395324
Int RSD	*2.36318554*	*0.70702563*	*0.35479760*	*0.33800052*	*1.02688337*	*0.32087362*	*0.70865417*
Int SD	*17250.90000000*	*25.58450000*	*36.18900000*	*2930.38000000*	*287285*	*526.69800000*	*2801.48000000*
RelInt Mean	0.02491740	-0.00081049	0.00010924	---	---	---	0.45513800
RelInt RSD	*1.46314624*	*3.27945228*	*0.89333285*	---	---	---	*0.80590063*
RelInt SD	*0.00036458*	*0.00002658*	*0.00000098*	---	---	---	*0.00366796*
Conc Mean	0.22088300[mg/l]	<-0.03272490[mg/l]	0.01490080[mg/l]	860398	27923700	163885	1.85825000[mg/l]
Conc RSD	*1.46812566*	*3.68673395*	*1.14503919*	---	---	---	*0.80637159*
Conc SD	*0.00324284[mg/l]*	*0.00120648[mg/l]*	*0.00017062[mg/l]*	*2926.50000000*	*287172*	*536.77000000*	*0.01498440[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-96.22390000	2942.80000000	336344	20313.40000000	5072.36000000	38152.10000000	
Int RSD	*63.69249220*	*3.94607177*	*0.26487792*	*0.40320872*	*0.47646855*	*0.73464370*	
Int SD	*61.28740000*	*116.12500000*	*890.90100000*	*81.90540000*	*24.16820000*	*280.28200000*	
RelInt Mean	-0.00121180	0.00301729	0.38370200	0.01837190	-0.00038810	0.03918430	
RelInt RSD	*43.33908236*	*17.41996958*	*0.59446133*	*0.65082545*	*15.09685748*	*0.43775696*	
RelInt SD	*0.00052518*	*0.00052561*	*0.00228096*	*0.00011957*	*0.00005859*	*0.00017153*	
Conc Mean	<-0.00308348[mg/l]	0.00378028[mg/l]	5.87403000[mg/l]	0.65979400[mg/l]	<-0.00176956[mg/l]	3.83099000[mg/l]	
Conc RSD	*69.00644726*	*21.67482303*	*0.59670618*	*0.67383001*	*12.92066954*	*0.43681137*	
Conc SD	*0.00212780[mg/l]*	*0.00081937[mg/l]*	*0.03505070[mg/l]*	*0.00444589[mg/l]*	*0.00022864[mg/l]*	*0.01673420[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	473364-006	Client ID:	AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-L-DUP-WF
Seqnum:	482468627062	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master	Batch:	301526	Time:	21-NOV-2022 14:26
Cal:	482468627001	Caldate:	21-NOV-2022		
IDF:	1.0	Raw Units:	mg/l	Units:	ug/ft2

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	0.3368	17	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	893080	844800	-5.41

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 473364-006,301526			Sample Type: Unknown Sample
Measure Date: 2022-11-21 14:26:08	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	30718.70000000	5486.33000000	3355.95000000	6296.78000000	9573.58000000	19904.20000000	8079.78000000
Int RSD	*0.98620710*	*1.18154030*	*0.59303923*	*1.45183094*	*1.32635858*	*1.72244551*	*1.19827396*
Int SD	*302.95000000*	*64.82320000*	*19.90210000*	*91.41860000*	*126.98000000*	*342.83900000*	*96.81790000*
RelInt Mean	0.00001993	0.03028370	-0.00056455	0.00143687	0.00544034	0.11869500	0.00406810
RelInt RSD	*34.06566442*	*0.80894673*	*6.98776379*	*1.67892711*	*1.94210288*	*2.29125068*	*1.95826553*
RelInt SD	*0.00000679*	*0.00024498*	*0.00003945*	*0.00002412*	*0.00010566*	*0.00271960*	*0.00007966*
Conc Mean	<-0.00026206[mg/l]	2.31046000[mg/l]	<-0.02539810[mg/l]	0.01286090[mg/l]	0.01581850[mg/l]	9.78577000[mg/l]	0.02439530[mg/l]
Conc RSD	*101.96860309*	*0.86759779*	*8.28750970*	*2.23695076*	*2.00895154*	*2.30613432*	*1.97573713*
Conc SD	*0.00026722[mg/l]*	*0.02004550[mg/l]*	*0.00210487[mg/l]*	*0.00028769[mg/l]*	*0.00031779[mg/l]*	*0.22567300[mg/l]*	*0.00048199[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	10680.40000000	258040	27169400	6075.42000000	3634.81000000	1273850	4445.69000000
Int RSD	*0.57105071*	*1.71585413*	*1.21172716*	*3.59925734*	*0.85062218*	*1.10597009*	*0.77654537*
Int SD	*60.99050000*	*4427.59000000*	*329219*	*218.67000000*	*30.91850000*	*14088.40000000*	*34.52280000*
RelInt Mean	0.00692051	0.00830783	32.39810000	0.03664750	0.01814570	1.51157000	0.00048493
RelInt RSD	*0.52512170*	*1.72981392*	*0.63569160*	*2.50462651*	*0.90576831*	*0.69172450*	*17.02006694*
RelInt SD	*0.00003634*	*0.00014371*	*0.20595200*	*0.00091788*	*0.00016436*	*0.01045590*	*0.00008253*
Conc Mean	0.04654210[mg/l]	0.24639800[mg/l]	>102.35400000[mg/l]	2.95944000[mg/l]	3.76309000[mg/l]	0.85905800[mg/l]	0.00186511[mg/l]
Conc RSD	*0.52717217*	*1.77301764*	*0.63563124*	*2.44445571*	*0.88429190*	*0.69197190*	*31.69705808*
Conc SD	*0.00024536[mg/l]*	*0.00436868[mg/l]*	*0.65059400[mg/l]*	*0.07234220[mg/l]*	*0.03327670[mg/l]*	*0.00594444[mg/l]*	*0.00059119[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	106289	10168.10000000	13846.70000000	3951.97000000	3998.94000000	5691.25000000	2305.68000000
Int RSD	*1.54062979*	*0.97294972*	*0.67590401*	*1.34735841*	*0.89943085*	*0.70906391*	*2.45115541*
Int SD	*1637.52000000*	*98.93050000*	*93.59040000*	*53.24720000*	*35.96770000*	*40.35460000*	*56.51580000*
RelInt Mean	0.61149100	0.00611012	0.01053830	0.00017632	0.00051887	0.00131334	0.01248680
RelInt RSD	*1.10031382*	*0.52140220*	*1.51728457*	*4.08567329*	*9.97912784*	*4.67669453*	*4.49760547*
RelInt SD	*0.00672832*	*0.00003186*	*0.00015990*	*0.00000720*	*0.00005178*	*0.00006142*	*0.00056161*
Conc Mean	6.64013000[mg/l]	0.05844430[mg/l]	0.33679000[mg/l]	0.01120870[mg/l]	0.03393630[mg/l]	0.02394310[mg/l]	0.01167340[mg/l]
Conc RSD	*1.11504443*	*0.53981997*	*1.50540990*	*3.44005995*	*10.38787375*	*4.68539997*	*4.19077561*
Conc SD	*0.07404040[mg/l]*	*0.00031549[mg/l]*	*0.00507007[mg/l]*	*0.00038559[mg/l]*	*0.00352526[mg/l]*	*0.00112183[mg/l]*	*0.00048921[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	420687	3383.57000000	8776.31000000	844800	27600600	167402	351036
Int RSD	*1.91259773*	*1.23027749*	*0.64148942*	*0.57706203*	*0.06380876*	*0.76088697*	*0.28468419*
Int SD	*8046.05000000*	*41.62730000*	*56.29910000*	*4875.02000000*	*17611.60000000*	*1273.74000000*	*999.34400000*
RelInt Mean	0.01405880	-0.00079932	0.00006998	---	---	---	0.41446100
RelInt RSD	*2.02747034*	*2.99096112*	*7.84309943*	---	---	---	*0.45492821*
RelInt SD	*0.00028504*	*0.00002391*	*0.00000549*	---	---	---	*0.00188550*
Conc Mean	0.12428400[mg/l]	<-0.03197520[mg/l]	0.00803158[mg/l]	838318	27549600	167105	1.69210000[mg/l]
Conc RSD	*2.04045573*	*3.41130001*	*11.95712425*	---	---	---	*0.45505585*
Conc SD	*0.00253596[mg/l]*	*0.00109077[mg/l]*	*0.00096035[mg/l]*	*4869.93000000*	*16981.60000000*	*1332.79000000*	*0.00770000[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	9.16120000	2737.28000000	228515	16401.40000000	4910.54000000	34979.70000000	
Int RSD	*606.11710256*	*2.21915917*	*0.54515021*	*0.32606790*	*1.19025606*	*0.87124818*	
Int SD	*55.52760000*	*60.74460000*	*1245.75000000*	*53.47970000*	*58.44800000*	*304.76000000*	
RelInt Mean	-0.00095068	0.00262786	0.26581700	0.01462600	-0.00022972	0.03674220	
RelInt RSD	*27.89825345*	*1.18198839*	*0.04883698*	*0.96593053*	*24.91711793*	*0.90400684*	
RelInt SD	*0.00026522*	*0.00003106*	*0.00012982*	*0.00014128*	*0.00005724*	*0.00033215*	
Conc Mean	<-0.00202554[mg/l]	0.00317320[mg/l]	4.06293000[mg/l]	0.52049600[mg/l]	<-0.00113657[mg/l]	3.59268000[mg/l]	
Conc RSD	*53.05054455*	*1.52582882*	*0.04888295*	*1.00919315*	*20.19831599*	*0.90210651*	
Conc SD	*0.00107456[mg/l]*	*0.00004842[mg/l]*	*0.00198608[mg/l]*	*0.00525281[mg/l]*	*0.00022957[mg/l]*	*0.03240980[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	473364-008	Client ID:	AFRAME-C1W-MED-L3-UP-C1.2-VS-221116-L-LA
Seqnum:	482468627063	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master	Batch:	301526	Time:	21-NOV-2022 14:29
Cal:	482468627001	Caldate:	21-NOV-2022		
IDF:	1.0	Raw Units:	mg/l	Units:	ug/ft2

- 1.02 ft2 ⇨ 50.0 ml = 49.02 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.210	59	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	893080	861662	-3.52

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 473364-008,301526			Sample Type: Unknown Sample
Measure Date: 2022-11-21 14:29:23	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	29294.30000000	4490.09000000	3936.54000000	6006.39000000	8653.43000000	26583.10000000	6025.11000000
Int RSD	*0.37559525*	*2.33585518*	*1.17156183*	*0.97321852*	*0.65194380*	*0.08579925*	*0.66202775*
Int SD	*110.02800000*	*104.88200000*	*46.11900000*	*58.45530000*	*56.41550000*	*22.80810000*	*39.88790000*
RelInt Mean	0.00002273	0.02432780	-0.00056530	0.00147329	0.00444070	0.16015300	0.00177120
RelInt RSD	*21.41690680*	*2.86746849*	*1.61057452*	*6.65429752*	*2.88227081*	*0.96503344*	*1.28153794*
RelInt SD	*0.00000487*	*0.00069759*	*0.00000910*	*0.00009804*	*0.00012799*	*0.00154553*	*0.00002270*
Conc Mean	<-0.00015178[mg/l]	1.82304000[mg/l]	<-0.02543440[mg/l]	0.01329530[mg/l]	0.01283750[mg/l]	13.22540000[mg/l]	0.01048660[mg/l]
Conc RSD	*126.25267666*	*3.13157693*	*1.91045592*	*8.79310734*	*2.95806816*	*0.96970224*	*1.34635630*
Conc SD	*0.00019162[mg/l]*	*0.05708990[mg/l]*	*0.00048591[mg/l]*	*0.00116907[mg/l]*	*0.00037974[mg/l]*	*0.12824700[mg/l]*	*0.00014119[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	9897.41000000	385719	17609100	7497.16000000	3785.97000000	642599	4328.37000000
Int RSD	*0.21392970*	*1.48431890*	*0.75513797*	*2.71869615*	*2.92992285*	*0.16344408*	*1.57617302*
Int SD	*21.17350000*	*5725.30000000*	*132973*	*203.82500000*	*110.92600000*	*1050.29000000*	*68.22260000*
RelInt Mean	0.00631778	0.01276090	20.57450000	0.04576310	0.01945070	0.74421600	0.00029752
RelInt RSD	*1.37605140*	*1.33912969*	*1.05938419*	*2.31605813*	*2.72500733*	*0.56260951*	*45.71548609*
RelInt SD	*0.00008694*	*0.00017089*	*0.21796300*	*0.00105990*	*0.00053003*	*0.00418703*	*0.00013601*
Conc Mean	0.04247240[mg/l]	0.38177600[mg/l]	64.99680000[mg/l]	3.67788000[mg/l]	4.02739000[mg/l]	0.42293600[mg/l]	<0.00052276[mg/l]
Conc RSD	*1.38205517*	*1.36103370*	*1.05955062*	*2.27134110*	*2.66554766*	*0.56265723*	*186.36688831*
Conc SD	*0.00058699[mg/l]*	*0.00519610[mg/l]*	*0.68867400[mg/l]*	*0.08353720[mg/l]*	*0.10735200[mg/l]*	*0.00237968[mg/l]*	*0.00097426[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	122272	12869.50000000	37472.90000000	4104.12000000	4488.50000000	7854.77000000	3198.88000000
Int RSD	*0.58167201*	*0.86697230*	*0.08835932*	*1.80087083*	*0.80718280*	*0.13694863*	*2.93453959*
Int SD	*711.22200000*	*111.57500000*	*33.11080000*	*73.90990000*	*36.23040000*	*10.75700000*	*93.87240000*
RelInt Mean	0.71306400	0.00934767	0.03806720	0.00023395	0.00088254	0.00259263	0.01806400
RelInt RSD	*1.30597674*	*0.53443478*	*0.69982294*	*20.96890842*	*2.87921708*	*2.77752321*	*3.55377547*
RelInt SD	*0.00931245*	*0.00004996*	*0.00026640*	*0.00004906*	*0.00002541*	*0.00007201*	*0.00064195*
Conc Mean	7.75791000[mg/l]	0.09050850[mg/l]	1.21045000[mg/l]	0.01432740[mg/l]	0.05869580[mg/l]	0.04730700[mg/l]	0.01653210[mg/l]
Conc RSD	*1.32100011*	*0.54666247*	*0.69788839*	*18.40403702*	*2.94736591*	*2.77996914*	*3.38292171*
Conc SD	*0.10248200[mg/l]*	*0.00049478[mg/l]*	*0.00844759[mg/l]*	*0.00263682[mg/l]*	*0.00172998[mg/l]*	*0.00131512[mg/l]*	*0.00055927[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	336295	3755.72000000	7885.63000000	861662	28085700	166012	634416
Int RSD	*2.11433414*	*1.29650240*	*1.59525618*	*0.71616713*	*0.23765083*	*1.08874057*	*0.90789009*
Int SD	*7110.40000000*	*48.69300000*	*125.79600000*	*6170.94000000*	*66745.90000000*	*1807.44000000*	*5759.80000000*
RelInt Mean	0.01085890	-0.00103612	0.00005463	---	---	---	0.73732600
RelInt RSD	*2.09870245*	*0.31414122*	*3.43036283*	---	---	---	*0.29471903*
RelInt SD	*0.00022790*	*0.00000325*	*0.00000187*	---	---	---	*0.00217304*
Conc Mean	0.09581680[mg/l]	<-0.04268800[mg/l]	0.00534639[mg/l]	855398	28036100	165729	3.01095000[mg/l]
Conc RSD	*2.11598592*	*0.34559361*	*6.13896480*	---	---	---	*0.29476311*
Conc SD	*0.00202747[mg/l]*	*0.00014753[mg/l]*	*0.00032821[mg/l]*	*6109.98000000*	*66597.40000000*	*1799.62000000*	*0.00887517[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	32.90830000	2715.29000000	203415	19709.30000000	4768.02000000	40960.70000000	
Int RSD	*195.02982530*	*5.08148301*	*0.51146179*	*0.43081033*	*1.28912421*	*0.56157976*	
Int SD	*64.18100000*	*137.97700000*	*1040.39000000*	*84.90970000*	*61.46570000*	*230.02700000*	
RelInt Mean	-0.00077582	0.00256198	0.23173400	0.01725280	-0.00001381	0.04227680	
RelInt RSD	*30.45418982*	*8.79323804*	*0.31759431*	*0.57369586*	*325.36665171*	*1.20536086*	
RelInt SD	*0.00023627*	*0.00022528*	*0.00073597*	*0.00009898*	*0.00004495*	*0.00050959*	
Conc Mean	<-0.00131711[mg/l]	0.00307049[mg/l]	3.53932000[mg/l]	0.61817700[mg/l]	<-0.00029907[mg/l]	4.13276000[mg/l]	
Conc RSD	*72.67889546*	*11.43749043*	*0.31903303*	*0.59526640*	*57.82478291*	*1.20309188*	
Conc SD	*0.00095726[mg/l]*	*0.00035119[mg/l]*	*0.01129160[mg/l]*	*0.00367980[mg/l]*	*0.00017294[mg/l]*	*0.04972090[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	473364-010	Client ID:	AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA
Seqnum:	482468627064	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master	Batch:	301526	Time:	21-NOV-2022 14:32
Cal:	482468627001	Caldate:	21-NOV-2022		
IDF:	1.0	Raw Units:	mg/l	Units:	ug/ft2

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.404	70	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	893080	873187	-2.23

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 473364-010,301526			Sample Type: Unknown Sample
Measure Date: 2022-11-21 14:32:40	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	31615.30000000	9707.84000000	4104.18000000	7000.87000000	9001.17000000	28324.70000000	7467.23000000
Int RSD	*0.32653177*	*2.49703333*	*1.07611265*	*0.57690687*	*1.57082913*	*1.19807800*	*0.43076482*
Int SD	*103.23400000*	*242.40800000*	*44.16560000*	*40.38850000*	*141.39300000*	*339.35200000*	*32.16620000*
RelInt Mean	0.00002325	0.05595930	-0.00002745	0.00175586	0.00436140	0.17182000	0.00303390
RelInt RSD	*6.35533632*	*2.48205392*	*189.05252268*	*2.03978677*	*3.41874169*	*0.61506809*	*0.59002604*
RelInt SD	*0.00000148*	*0.00138894*	*0.00005190*	*0.00003582*	*0.00014910*	*0.00105681*	*0.00001790*
Conc Mean	<-0.00013121[mg/l]	4.41174000[mg/l]	<0.00321562[mg/l]	0.01666480[mg/l]	0.01259930[mg/l]	14.19340000[mg/l]	0.01790270[mg/l]
Conc RSD	*44.33302086*	*2.57662510*	*86.14233025*	*2.56262901*	*3.53652187*	*0.61785548*	*0.66801097*
Conc SD	*0.00005817[mg/l]*	*0.11367400[mg/l]*	*0.00277001[mg/l]*	*0.00042706[mg/l]*	*0.00044558[mg/l]*	*0.08769470[mg/l]*	*0.00011959[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	17487.30000000	1275970	36920300	8551.51000000	5407.90000000	1357220	4604.86000000
Int RSD	*0.74333945*	*1.93588407*	*0.43400243*	*2.88109351*	*5.49867786*	*0.81783351*	*2.27885321*
Int SD	*129.99000000*	*24701.30000000*	*160235*	*246.37700000*	*297.36300000*	*11099.80000000*	*104.93800000*
RelInt Mean	0.01412080	0.04392550	42.59600000	0.05225250	0.02904240	1.55789000	0.00035175
RelInt RSD	*1.06408277*	*1.56130494*	*0.36533008*	*3.77136022*	*4.63601493*	*0.25609125*	*23.65051883*
RelInt SD	*0.00015026*	*0.00068581*	*0.15561600*	*0.00197063*	*0.00134641*	*0.00398962*	*0.00008319*
Conc Mean	0.09515960[mg/l]	1.32922000[mg/l]	>134.57400000[mg/l]	4.18935000[mg/l]	5.96988000[mg/l]	0.88537800[mg/l]	<0.00091117[mg/l]
Conc RSD	*1.06639793*	*1.56864928*	*0.36526521*	*3.70742478*	*4.56744524*	*0.25597090*	*65.39745602*
Conc SD	*0.00101478[mg/l]*	*0.02085080[mg/l]*	*0.49155200[mg/l]*	*0.15531700[mg/l]*	*0.27267100[mg/l]*	*0.00226631[mg/l]*	*0.00059588[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	117692	20070.10000000	43416.10000000	4427.49000000	4369.60000000	11777.10000000	3753.89000000
Int RSD	*0.80230092*	*0.53280751*	*1.27247265*	*0.39367904*	*1.10775815*	*0.72386751*	*3.61076110*
Int SD	*944.24400000*	*106.93500000*	*552.45800000*	*17.43010000*	*48.40460000*	*85.25060000*	*135.54400000*
RelInt Mean	0.68845800	0.01708220	0.04417150	0.00048221	0.00060407	0.00769991	0.02114820
RelInt RSD	*1.00660752*	*0.36801056*	*1.18443793*	*15.47017055*	*14.79428675*	*1.79420279*	*4.50461505*
RelInt SD	*0.00693007*	*0.00006286*	*0.00052318*	*0.00007460*	*0.00008937*	*0.00013815*	*0.00095265*
Conc Mean	7.48713000[mg/l]	0.16711000[mg/l]	1.40363000[mg/l]	0.02734930[mg/l]	0.03973660[mg/l]	0.14058200[mg/l]	0.01921890[mg/l]
Conc RSD	*1.01861461*	*0.37255221*	*1.18135121*	*14.65415934*	*15.31187872*	*1.79452561*	*4.31853540*
Conc SD	*0.07626500[mg/l]*	*0.00062257[mg/l]*	*0.01658180[mg/l]*	*0.00400781[mg/l]*	*0.00608442[mg/l]*	*0.00252278[mg/l]*	*0.00082997[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	817790	3642.18000000	9838.93000000	873187	28354100	164994	913331
Int RSD	*3.11581213*	*0.61243816*	*0.65530703*	*0.56422622*	*0.47206930*	*1.30585961*	*1.01572048*
Int SD	*25480.80000000*	*22.30610000*	*64.47520000*	*4926.75000000*	*133851*	*2154.59000000*	*9276.89000000*
RelInt Mean	0.02768290	-0.00084188	0.00009142	---	---	---	1.04942000
RelInt RSD	*2.77374119*	*5.14277603*	*3.99750610*	---	---	---	*0.48788760*
RelInt SD	*0.00076785*	*0.00004330*	*0.00000365*	---	---	---	*0.00511999*
Conc Mean	0.24548500[mg/l]	<-0.03421770[mg/l]	0.01178410[mg/l]	866531	28299800	164700	>4.28578000[mg/l]
Conc RSD	*2.78245107*	*5.81158289*	*5.42472484*	---	---	---	*0.48782485*
Conc SD	*0.00683050[mg/l]*	*0.00198859[mg/l]*	*0.00063926[mg/l]*	*4931.01000000*	*132646*	*2134.60000000*	*0.02090710[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	28.57100000	3025.31000000	344314	21629.40000000	5103.20000000	44293.40000000	
Int RSD	*173.91690875*	*5.16390056*	*0.48862085*	*1.15718420*	*0.30688196*	*0.68576808*	
Int SD	*49.68980000*	*156.22400000*	*1682.39000000*	*250.29200000*	*15.66080000*	*303.75000000*	
RelInt Mean	-0.00052974	0.00312317	0.39010600	0.01973580	-0.00035301	0.04595070	
RelInt RSD	*95.86870466*	*7.27574868*	*0.26102393*	*1.06986796*	*5.31116594*	*0.64634489*	
RelInt SD	*0.00050785*	*0.00022723*	*0.00101827*	*0.00021115*	*0.00001875*	*0.00029700*	
Conc Mean	<-0.00032009[mg/l]	0.00394533[mg/l]	5.97242000[mg/l]	0.71051300[mg/l]	<-0.00171883[mg/l]	4.49126000[mg/l]	
Conc RSD	*642.82009947*	*8.97871661*	*0.26215002*	*1.10499175*	*4.81678816*	*0.64538682*	
Conc SD	*0.00205759[mg/l]*	*0.00035424[mg/l]*	*0.01565670[mg/l]*	*0.00785111[mg/l]*	*0.00008279[mg/l]*	*0.02898600[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	473364-012	Client ID:	AFRAME-C1W-LAT-L3-DN-C1.2-DG-221116-L-LA
Seqnum:	482468627067	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master	Batch:	301526	Time:	21-NOV-2022 14:42
Cal:	482468627001	Caldate:	21-NOV-2022		
IDF:	1.0	Raw Units:	mg/l	Units:	ug/ft2

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	1.388	69	0.25		!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	893080	863727	-3.29

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: 473364-012,301526			Sample Type: Unknown Sample
Measure Date: 2022-11-21 14:42:25	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	30211.30000000	10423.20000000	3716.85000000	6617.56000000	8616.07000000	28132.50000000	7116.51000000
Int RSD	*0.87437151*	*1.33722849*	*1.35591428*	*0.54992928*	*0.03589572*	*0.52169910*	*0.52940276*
Int SD	*264.15900000*	*139.38200000*	*50.39730000*	*36.39190000*	*3.09280000*	*146.76700000*	*37.67500000*
RelInt Mean	0.00002472	0.06102420	-0.00029900	0.00177259	0.00430136	0.17265000	0.00297088
RelInt RSD	*47.70618817*	*1.77016659*	*17.49005010*	*5.10798888*	*1.27714955*	*0.20781350*	*1.32029230*
RelInt SD	*0.00001179*	*0.00108023*	*0.00005229*	*0.00009054*	*0.00005493*	*0.00035879*	*0.00003922*
Conc Mean	<-0.00007360[mg/l]	4.82626000[mg/l]	<-0.01123830[mg/l]	0.01686430[mg/l]	0.01241380[mg/l]	14.26240000[mg/l]	0.01752910[mg/l]
Conc RSD	*630.58178098*	*1.83177243*	*24.82831033*	*6.40210385*	*1.33480481*	*0.20860374*	*1.42038667*
Conc SD	*0.00046413[mg/l]*	*0.08840610[mg/l]*	*0.00279028[mg/l]*	*0.00107967[mg/l]*	*0.00016570[mg/l]*	*0.02975190[mg/l]*	*0.00024898[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	12026.40000000	370870	28077100	6683.63000000	5414.30000000	1038010	4553.82000000
Int RSD	*0.77796099*	*1.79315663*	*0.85567954*	*3.77598700*	*2.01994718*	*1.21646227*	*2.48294838*
Int SD	*93.56070000*	*6650.28000000*	*240250*	*252.37300000*	*109.36600000*	*12627.00000000*	*113.06900000*
RelInt Mean	0.00839685	0.01220280	32.73540000	0.04168470	0.02923610	1.20288000	0.00058546
RelInt RSD	*0.46411571*	*1.70991903*	*0.60489867*	*2.98754699*	*2.29692059*	*0.37697027*	*28.40789332*
RelInt SD	*0.00003897*	*0.00020866*	*0.19801600*	*0.00124535*	*0.00067153*	*0.00453450*	*0.00016632*
Conc Mean	0.05651060[mg/l]	0.36480800[mg/l]	>103.41900000[mg/l]	3.35645000[mg/l]	6.00910000[mg/l]	0.68361600[mg/l]	0.00258519[mg/l]
Conc RSD	*0.46573209*	*1.73897776*	*0.60486854*	*2.92444994*	*2.26315089*	*0.37676415*	*46.08171933*
Conc SD	*0.00026319[mg/l]*	*0.00634393[mg/l]*	*0.62554900[mg/l]*	*0.09815770[mg/l]*	*0.13599500[mg/l]*	*0.00257562[mg/l]*	*0.00119130[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	106915	16261.00000000	42330.10000000	4099.35000000	4145.79000000	7051.58000000	3278.26000000
Int RSD	*0.39744189*	*0.23743743*	*0.95991977*	*1.48791150*	*0.73660026*	*1.49494156*	*4.31137250*
Int SD	*424.92500000*	*38.60970000*	*406.33500000*	*60.99470000*	*30.53790000*	*105.41700000*	*141.33800000*
RelInt Mean	0.63130100	0.01316850	0.04366590	0.00025358	0.00054935	0.00239143	0.01849960
RelInt RSD	*1.15567851*	*0.91854805*	*1.39894517*	*20.02109804*	*5.92121191*	*3.93118343*	*6.03094121*
RelInt SD	*0.00729581*	*0.00012096*	*0.00061086*	*0.00005077*	*0.00003253*	*0.00009401*	*0.00111570*
Conc Mean	6.85814000[mg/l]	0.12835000[mg/l]	1.38750000[mg/l]	0.01529880[mg/l]	0.03601110[mg/l]	0.04363240[mg/l]	0.01691160[mg/l]
Conc RSD	*1.17071101*	*0.93386833*	*1.39610811*	*17.82976443*	*6.14977049*	*3.93487408*	*5.74702571*
Conc SD	*0.08028900[mg/l]*	*0.00119862[mg/l]*	*0.01937100[mg/l]*	*0.00272774[mg/l]*	*0.00221460[mg/l]*	*0.00171688[mg/l]*	*0.00097191[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	791368	3497.99000000	9602.27000000	863727	28056900	162869	979082
Int RSD	*3.42149291*	*0.05525459*	*1.08489972*	*1.42756913*	*0.55498647*	*0.64680203*	*1.15841165*
Int SD	*27076.60000000*	*1.93280000*	*104.17500000*	*12330.30000000*	*155712*	*1053.44000000*	*11341.80000000*
RelInt Mean	0.02707500	-0.00084589	0.00010467	---	---	---	1.13737000
RelInt RSD	*3.57175623*	*2.76161079*	*4.32353391*	---	---	---	*0.42788538*
RelInt SD	*0.00096705*	*0.00002336*	*0.00000453*	---	---	---	*0.00486664*
Conc Mean	0.24007800[mg/l]	<-0.03439140[mg/l]	0.01410030[mg/l]	857482	28005900	162543	>4.64507000[mg/l]
Conc RSD	*3.58350619*	*3.06471967*	*5.61829890*	---	---	---	*0.42829494*
Conc SD	*0.00860321[mg/l]*	*0.00105400[mg/l]*	*0.00079220[mg/l]*	*12343.80000000*	*155414*	*1074.50000000*	*0.01989460[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-45.27070000	2997.53000000	340104	20421.60000000	4849.00000000	42058.20000000	
Int RSD	*106.32086537*	*2.61731826*	*1.57629137*	*0.60975144*	*1.33840586*	*1.17964154*	
Int SD	*48.13220000*	*78.45490000*	*5361.03000000*	*124.52100000*	*64.89930000*	*496.13600000*	
RelInt Mean	-0.00115321	0.00310802	0.38978200	0.01865820	-0.00026658	0.04398860	
RelInt RSD	*28.34271295*	*21.14716122*	*0.45362023*	*0.87282803*	*10.76085122*	*0.59615446*	
RelInt SD	*0.00032685*	*0.00065726*	*0.00176813*	*0.00016285*	*0.00002869*	*0.00026224*	
Conc Mean	<-0.00284613[mg/l]	0.00392172[mg/l]	5.96740000[mg/l]	0.67043800[mg/l]	<-0.00133104[mg/l]	4.29980000[mg/l]	
Conc RSD	*46.52809253*	*26.12603653*	*0.45519154*	*0.90312900*	*8.24858757*	*0.59507419*	
Conc SD	*0.00132425[mg/l]*	*0.00102459[mg/l]*	*0.02716310[mg/l]*	*0.00605492[mg/l]*	*0.00010979[mg/l]*	*0.02558700[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06	Lab ID:	QC1027000		
Seqnum:	482468627055.2	Matrix:	Wipe		
File:	met06_master	Batch:	301526	Time:	21-NOV-2022 14:03
Cal:	482468627001	Caldate:	21-NOV-2022		
IDF:	1.0	Raw Units:	mg/l	Units:	ug/ft2

- 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Flags
Lead	A	-0.002028	ND	0.25	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	893080	858334	-3.89

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BLANK,QC1027000,301526			Sample Type: Unknown Sample
Measure Date: 2022-11-21 14:03:20	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	31006.80000000	825.91500000	2001.40000000	4344.69000000	4546.37000000	58.65670000	4206.42000000
Int RSD	*1.75651470*	*6.05580477*	*0.95646048*	*0.57344713*	*0.68138317*	*69.55573703*	*1.24318542*
Int SD	*544.63900000*	*50.01580000*	*19.14260000*	*24.91450000*	*30.97820000*	*40.79910000*	*52.29360000*
RelInt Mean	0.00002925	0.00320441	-0.00018266	0.00014398	0.00016128	-0.00005213	-0.00000569
RelInt RSD	*16.74349280*	*20.09380822*	*3.15949590*	*20.65718830*	*23.67668213*	*943.07414577*	*652.52851945*
RelInt SD	*0.00000490*	*0.00064389*	*0.00000577*	*0.00002974*	*0.00003819*	*0.00049158*	*0.00003712*
Conc Mean	<0.00010493[mg/l]	0.09430290[mg/l]	<-0.00498195[mg/l]	<-0.00255619[mg/l]	<0.00003903[mg/l]	<-0.06657460[mg/l]	<-0.00014914[mg/l]
Conc RSD	*183.72946289*	*55.87908749*	*6.18370317*	*13.87432077*	*290.69338484*	*61.26420587*	*151.18276542*
Conc SD	*0.00019279[mg/l]*	*0.05269560[mg/l]*	*0.00030807[mg/l]*	*0.00035465[mg/l]*	*0.00011347[mg/l]*	*0.04078640[mg/l]*	*0.00022548[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	4200.71000000	33877.10000000	17826.20000000	-163.46000000	536.31700000	5251.81000000	3535.76000000
Int RSD	*0.78417220*	*1.65189464*	*3.77963896*	*36.49767527*	*13.50841014*	*1.17874028*	*2.73985225*
Int SD	*32.94080000*	*559.61400000*	*673.76600000*	*59.65910000*	*72.44790000*	*61.90520000*	*96.87460000*
RelInt Mean	0.00010941	0.00022008	0.01493700	-0.00057172	-0.00090827	0.00020811	0.00091301
RelInt RSD	*35.03139481*	*0.46382047*	*5.72985874*	*67.84498033*	*22.64757532*	*21.08787576*	*13.07196988*
RelInt SD	*0.00003833*	*0.00000102*	*0.00085587*	*0.00038788*	*0.00020570*	*0.00004389*	*0.00011935*
Conc Mean	<0.00055239[mg/l]	<0.00051996[mg/l]	0.03860250[mg/l]	0.02602510[mg/l]	<-0.09567320[mg/l]	0.00008572[mg/l]	0.00493138[mg/l]
Conc RSD	*46.85169228*	*5.96680514*	*7.00537530*	*117.46698380*	*43.54176509*	*29.09725957*	*17.33537063*
Conc SD	*0.00025881[mg/l]*	*0.00003103[mg/l]*	*0.00270425[mg/l]*	*0.03057090[mg/l]*	*0.04165780[mg/l]*	*0.00002494[mg/l]*	*0.00085487[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	4863.66000000	4698.25000000	4389.78000000	3078.04000000	2297.08000000	2282.95000000	103.86600000
Int RSD	*2.81693210*	*0.57635715*	*0.51757719*	*0.75115983*	*1.38475804*	*3.39346460*	*88.50287871*
Int SD	*137.00600000*	*27.07870000*	*22.72050000*	*23.12100000*	*31.80900000*	*77.47110000*	*91.92440000*
RelInt Mean	0.00343569	0.00026862	-0.00015307	0.00006734	0.00001853	0.00028495	-0.00134596
RelInt RSD	*20.14253323*	*14.64589383*	*29.80466326*	*36.82941934*	*154.39946019*	*40.15855525*	*38.96891438*
RelInt SD	*0.00069204*	*0.00003934*	*0.00004562*	*0.00002480*	*0.00002860*	*0.00011443*	*0.00052451*
Conc Mean	<-0.05126760[mg/l]	<0.00059100[mg/l]	<-0.00202844[mg/l]	0.00562608[mg/l]	<-0.00012865[mg/l]	0.00516161[mg/l]	<-0.00037729[mg/l]
Conc RSD	*14.85448899*	*65.92836875*	*71.84190807*	*23.64861502*	*1513.66498251*	*40.48852974*	*121.10890533*
Conc SD	*0.00761554[mg/l]*	*0.00038964[mg/l]*	*0.00145727[mg/l]*	*0.00133049[mg/l]*	*0.00194733[mg/l]*	*0.00208986[mg/l]*	*0.00045693[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	40917.20000000	2094.71000000	6963.28000000	858334	28284200	162384	3017.70000000
Int RSD	*2.22106351*	*1.24827780*	*4.31795074*	*0.42771462*	*0.69983595*	*0.82838826*	*0.29789475*
Int SD	*908.79700000*	*26.14780000*	*300.67100000*	*3671.22000000*	*197943*	*1345.17000000*	*8.98957000*
RelInt Mean	0.00026465	-0.00017388	0.00002540	---	---	---	0.00019130
RelInt RSD	*4.73380137*	*16.44810849*	*26.88655475*	---	---	---	*12.37266340*
RelInt SD	*0.00001253*	*0.00002860*	*0.00000683*	---	---	---	*0.00002367*
Conc Mean	0.00156888[mg/l]	<-0.00317773[mg/l]	<0.00023154[mg/l]	852640	28234000	162056	<-0.00009354[mg/l]
Conc RSD	*7.10392127*	*41.02047688*	*516.15243755*	---	---	---	*103.27999239*
Conc SD	*0.00011145[mg/l]*	*0.00130352[mg/l]*	*0.00119512[mg/l]*	*3664.06000000*	*197599*	*1395.64000000*	*0.00009661[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-25.97350000	2887.77000000	6502.39000000	4109.61000000	4282.00000000	2717.27000000	
Int RSD	*415.56971529*	*6.43666220*	*0.36375087*	*2.52060414*	*0.55197805*	*0.06298380*	
Int SD	*107.93800000*	*185.87600000*	*23.65250000*	*103.58700000*	*23.63570000*	*1.71144000*	
RelInt Mean	-0.00099536	0.00144605	0.00238621	0.00230268	0.00013992	0.00023313	
RelInt RSD	*72.49675745*	*12.42695619*	*2.53343587*	*5.00812097*	*32.25331075*	*15.83456299*	
RelInt SD	*0.00072160*	*0.00017970*	*0.00006045*	*0.00011532*	*0.00004513*	*0.00003691*	
Conc Mean	<-0.00220659[mg/l]	<0.00133089[mg/l]	0.01570550[mg/l]	0.06222790[mg/l]	<0.00022277[mg/l]	0.03004910[mg/l]	
Conc RSD	*132.49493562*	*21.04809564*	*5.81542772*	*6.89126581*	*78.15335030*	*11.98781328*	
Conc SD	*0.00292362[mg/l]*	*0.00028013[mg/l]*	*0.00091334[mg/l]*	*0.00428829[mg/l]*	*0.00017410[mg/l]*	*0.00360223[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 473364 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET06	Inst:	MET06
Seqnum:	482468627056.2	Seqnum:	482468627057.2
File:	met06_master	File:	met06_master
IDF:	1.0	IDF:	1.0
Lab ID:	QC1027001	Lab ID:	QC1027002
Matrix:	Wipe	Matrix:	Wipe
Batch:	301526	Batch:	301526
Time:	21-NOV-2022 14:06	Time:	21-NOV-2022 14:09
Cal:	482468627001	Cal:	482468627001
Units:	ug/ft2		

- BS: 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF
- BSD: 1.00 ft2 ⇨ 50.0 ml = 50.0 ml/ft2 PDF

Analyte	Spiked	BS Raw	BS Result	Ch	%Rec	BSD Raw	BSD Result	Ch	%Rec	Limits	RPD	Lim	Flags
Lead	100.0	2.116	105.8	A	106	2.135	106.7	A	107	80-120	1	20	!<a- u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	893080	842489	-5.66

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	893080	851304	-4.68

!=warning -=low bias <=opening a=ICSA u=use

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BS,QC1027001,301526			Sample Type: Unknown Sample
Measure Date: 2022-11-21 14:06:36	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	684585	4611.05000000	34320.20000000	135257	600243	3693.43000000	304842
Int RSD	*1.00244528*	*2.51003568*	*0.18717111*	*0.70846980*	*0.74173127*	*3.54099035*	*0.59182134*
Int SD	*6862.59000000*	*115.73900000*	*64.23750000*	*958.25500000*	*4452.19000000*	*130.78400000*	*1804.12000000*
RelInt Mean	0.02414340	0.02627620	0.03818860	0.15634800	0.71150300	0.02251710	0.35843600
RelInt RSD	*0.69691510*	*2.79136253*	*0.57194294*	*0.60032428*	*0.39678821*	*3.00455210*	*0.28345925*
RelInt SD	*0.00016826*	*0.00073346*	*0.00021842*	*0.00093859*	*0.00282316*	*0.00067654*	*0.00101602*
Conc Mean	0.94928800[mg/l]	1.98249000[mg/l]	2.04038000[mg/l]	1.86010000[mg/l]	2.11684000[mg/l]	1.80597000[mg/l]	2.17429000[mg/l]
Conc RSD	*0.69784723*	*3.02775298*	*0.57157980*	*0.60202677*	*0.39760917*	*3.10806935*	*0.28382506*
Conc SD	*0.00662458[mg/l]*	*0.06002490[mg/l]*	*0.01166240[mg/l]*	*0.01119830[mg/l]*	*0.00841675[mg/l]*	*0.05613080[mg/l]*	*0.00617118[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	273517	1829680	588372	27553.00000000	2057.82000000	3232300	256853
Int RSD	*0.99336787*	*1.12187377*	*0.72151292*	*2.89177222*	*4.33446074*	*0.57295115*	*0.63113921*
Int SD	*2717.03000000*	*20526.70000000*	*4245.18000000*	*796.77000000*	*89.19540000*	*18519.50000000*	*1621.10000000*
RelInt Mean	0.32106300	0.06660340	0.69673400	0.17097400	0.00894438	3.85669000	0.30329200
RelInt RSD	*0.58215054*	*0.74990616*	*0.30050062*	*2.99291705*	*4.27179972*	*0.14360293*	*0.24155830*
RelInt SD	*0.00186907*	*0.00049946*	*0.00209369*	*0.00511711*	*0.00038209*	*0.00553832*	*0.00073263*
Conc Mean	2.16769000[mg/l]	2.01866000[mg/l]	2.19275000[mg/l]	13.54630000[mg/l]	1.89967000[mg/l]	2.19188000[mg/l]	2.17083000[mg/l]
Conc RSD	*0.58215889*	*0.75213260*	*0.30167415*	*2.97737390*	*4.07342854*	*0.14382357*	*0.24181350*
Conc SD	*0.01261940[mg/l]*	*0.01518300[mg/l]*	*0.00661496[mg/l]*	*0.40332400[mg/l]*	*0.07738170[mg/l]*	*0.00315244[mg/l]*	*0.00524936[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	29383.50000000	184009	60662.90000000	34506.50000000	23129.70000000	2355.17000000	389206
Int RSD	*1.47362295*	*0.92430805*	*0.20707385*	*0.44882848*	*1.13554434*	*1.64389407*	*0.36862998*
Int SD	*433.00200000*	*1700.81000000*	*125.61700000*	*154.87500000*	*262.64800000*	*38.71650000*	*1434.73000000*
RelInt Mean	0.15508600	0.21381200	0.06660360	0.03726850	0.02471280	0.00009448	2.40911000
RelInt RSD	*1.85721471*	*0.53570426*	*0.20394243*	*0.22051464*	*0.87453870*	*40.80079845*	*0.66867017*
RelInt SD	*0.00288028*	*0.00114540*	*0.00013583*	*0.00008218*	*0.00021612*	*0.00003855*	*0.01610900*
Conc Mean	1.61758000[mg/l]	2.11550000[mg/l]	2.11594000[mg/l]	1.99058000[mg/l]	1.68112000[mg/l]	<0.00168313[mg/l]	2.09954000[mg/l]
Conc RSD	*1.95949505*	*0.53622312*	*0.20391741*	*0.22342584*	*0.87551156*	*41.82938929*	*0.66826543*
Conc SD	*0.03169640[mg/l]*	*0.01134380[mg/l]*	*0.00431477[mg/l]*	*0.00444747[mg/l]*	*0.01471840[mg/l]*	*0.00070404[mg/l]*	*0.01403050[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	6592730	41964.40000000	336937	842489	26999100	161731	431259
Int RSD	*1.52103908*	*0.48415085*	*1.85356906*	*0.43551785*	*0.54769233*	*1.01240949*	*0.95207057*
Int SD	*100278*	*203.17100000*	*6245.36000000*	*3669.19000000*	*147872*	*1637.38000000*	*4105.89000000*
RelInt Mean	0.24297000	0.04706230	0.01223030	---	---	---	0.51137300
RelInt RSD	*1.12508540*	*0.24799680*	*1.58642061*	---	---	---	*0.52057305*
RelInt SD	*0.00273362*	*0.00011671*	*0.00019402*	---	---	---	*0.00266207*
Conc Mean	2.16071000[mg/l]	2.13771000[mg/l]	2.13470000[mg/l]	836508	26947600	161417	2.08690000[mg/l]
Conc RSD	*1.12557446*	*0.24644035*	*1.59048578*	---	---	---	*0.52087786*
Conc SD	*0.02432040[mg/l]*	*0.00526818[mg/l]*	*0.03395210[mg/l]*	*3649.83000000*	*147505*	*1644.92000000*	*0.01087020[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	83955.90000000	202699	357002	5706.85000000	428273	3077.67000000	
Int RSD	*0.60037353*	*0.89929403*	*1.15153417*	*1.56223311*	*0.62048740*	*0.88262224*	
Int SD	*504.04900000*	*1822.86000000*	*4111.00000000*	*89.15430000*	*2657.38000000*	*27.16420000*	
RelInt Mean	0.51906000	1.23088000	0.42047200	0.00398319	0.50548300	0.00042964	
RelInt RSD	*1.01407544*	*1.93911673*	*0.73108554*	*2.77825060*	*0.19463978*	*6.56205922*	
RelInt SD	*0.00526366*	*0.02386820*	*0.00307401*	*0.00011066*	*0.00098387*	*0.00002819*	
Conc Mean	2.10483000[mg/l]	1.91787000[mg/l]	6.39011000[mg/l]	0.12472100[mg/l]	1.95268000[mg/l]	0.04922500[mg/l]	
Conc RSD	*1.01330274*	*1.93990208*	*0.73797008*	*3.29968490*	*0.19759766*	*5.58894870*	
Conc SD	*0.02132830[mg/l]*	*0.03720480[mg/l]*	*0.04715710[mg/l]*	*0.00411540[mg/l]*	*0.00385845[mg/l]*	*0.00275116[mg/l]*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: BSD,QC1027002,301526			Sample Type: Unknown Sample
Measure Date: 2022-11-21 14:09:52	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	697190	4784.11000000	34729.50000000	138250	611522	3912.52000000	308227
Int RSD	*1.65432665*	*2.98398239*	*0.38080018*	*0.76526582*	*0.47587658*	*6.13103575*	*0.46865135*
Int SD	*11533.80000000*	*142.75700000*	*132.25000000*	*1057.98000000*	*2910.09000000*	*239.87800000*	*1444.51000000*
RelInt Mean	0.02431280	0.02688840	0.03828060	0.15821400	0.71748600	0.02368970	0.35870600
RelInt RSD	*1.60237817*	*5.42412341*	*1.07906877*	*0.31716157*	*0.24342496*	*6.41109849*	*0.23636683*
RelInt SD	*0.00038958*	*0.00145846*	*0.00041307*	*0.00050179*	*0.00174654*	*0.00151877*	*0.00084786*
Conc Mean	0.95595600[mg/l]	2.03259000[mg/l]	2.04528000[mg/l]	1.88235000[mg/l]	2.13466000[mg/l]	1.90326000[mg/l]	2.17591000[mg/l]
Conc RSD	*1.60412195*	*5.87211390*	*1.07731949*	*0.31805137*	*0.24324998*	*6.62069292*	*0.23673589*
Conc SD	*0.01533470[mg/l]*	*0.11935600[mg/l]*	*0.02203420[mg/l]*	*0.00598684[mg/l]*	*0.00519256[mg/l]*	*0.12600900[mg/l]*	*0.00515116[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	276250	1844810	593956	27808.30000000	2254.28000000	3258670	260854
Int RSD	*0.37847240*	*1.63799524*	*0.33276707*	*1.82319308*	*3.96810068*	*0.74122571*	*0.46016546*
Int SD	*1045.53000000*	*30217.90000000*	*1976.49000000*	*506.99900000*	*89.45210000*	*24154.10000000*	*1200.36000000*
RelInt Mean	0.32092500	0.06634090	0.69606500	0.17059900	0.00950078	3.84777000	0.30488100
RelInt RSD	*0.31431955*	*1.47524076*	*0.36412548*	*2.21781488*	*9.23651532*	*0.04088992*	*0.25981842*
RelInt SD	*0.00100873*	*0.00097869*	*0.00253455*	*0.00378357*	*0.00087754*	*0.00157335*	*0.00079214*
Conc Mean	2.16675000[mg/l]	2.01068000[mg/l]	2.19064000[mg/l]	13.51680000[mg/l]	2.01234000[mg/l]	2.18682000[mg/l]	2.18222000[mg/l]
Conc RSD	*0.31446360*	*1.47960392*	*0.36570819*	*2.20600290*	*8.83150959*	*0.04092468*	*0.26014563*
Conc SD	*0.00681364[mg/l]*	*0.02975010[mg/l]*	*0.00801135[mg/l]*	*0.29818100[mg/l]*	*0.17772000[mg/l]*	*0.00089495[mg/l]*	*0.00567695[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	29928.40000000	186814	61777.60000000	35101.10000000	23360.00000000	2303.62000000	392849
Int RSD	*0.84597573*	*0.60314537*	*0.24779855*	*0.22550775*	*0.61861301*	*3.31481755*	*0.53483909*
Int SD	*253.18700000*	*1126.76000000*	*153.08400000*	*79.15570000*	*144.50800000*	*76.36080000*	*2101.11000000*
RelInt Mean	0.15575600	0.21483700	0.06719780	0.03758260	0.02471660	0.00003095	2.40256000
RelInt RSD	*0.62910000*	*0.24930203*	*0.39580016*	*0.58413468*	*1.11364023*	*277.57619223*	*0.40409688*
RelInt SD	*0.00097986*	*0.00053559*	*0.00026597*	*0.00021953*	*0.00027525*	*0.00008592*	*0.00970867*
Conc Mean	1.62495000[mg/l]	2.12564000[mg/l]	2.13478000[mg/l]	2.00745000[mg/l]	1.68137000[mg/l]	<0.00052290[mg/l]	2.09384000[mg/l]
Conc RSD	*0.66350965*	*0.24947875*	*0.39612372*	*0.58538444*	*1.11442455*	*300.09753299*	*0.40383172*
Conc SD	*0.01078170[mg/l]*	*0.00530302[mg/l]*	*0.00845637[mg/l]*	*0.01175130[mg/l]*	*0.01873760[mg/l]*	*0.00156921[mg/l]*	*0.00845559[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	6696870	42605.80000000	340434	851304	27331700	163692	437852
Int RSD	*1.81496729*	*0.07387961*	*1.97877122*	*0.69634467*	*0.31536750*	*0.91630623*	*0.43172350*
Int SD	*121546*	*31.47700000*	*6736.41000000*	*5928.01000000*	*86195.30000000*	*1499.92000000*	*1890.31000000*
RelInt Mean	0.24382100	0.04738620	0.01220770	---	---	---	0.51387700
RelInt RSD	*1.61297837*	*0.67211129*	*1.88512988*	---	---	---	*0.30538242*
RelInt SD	*0.00393278*	*0.00031849*	*0.00023013*	---	---	---	*0.00156929*
Conc Mean	2.16828000[mg/l]	2.15242000[mg/l]	2.13075000[mg/l]	845303	27279900	163357	2.09713000[mg/l]
Conc RSD	*1.61332024*	*0.67394375*	*1.88939575*	---	---	---	*0.30550514*
Conc SD	*0.03498130[mg/l]*	*0.01450610[mg/l]*	*0.04025830[mg/l]*	*5916.37000000*	*85896.50000000*	*1521.31000000*	*0.00640684[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	85069.90000000	200042	314402	5757.15000000	435336	3008.92000000	
Int RSD	*0.63241523*	*0.30163016*	*0.73443553*	*2.94677054*	*0.54425547*	*0.93859591*	
Int SD	*537.99500000*	*603.38700000*	*2309.08000000*	*169.65000000*	*2369.34000000*	*28.24160000*	
RelInt Mean	0.51976700	1.19949000	0.36586300	0.00398733	0.50852500	0.00032799	
RelInt RSD	*0.92823708*	*0.60765409*	*0.11637635*	*4.90052240*	*0.37390689*	*14.04295928*	
RelInt SD	*0.00482467*	*0.00728875*	*0.00042578*	*0.00019540*	*0.00190141*	*0.00004606*	
Conc Mean	2.10769000[mg/l]	1.86895000[mg/l]	5.55088000[mg/l]	0.12487500[mg/l]	1.96446000[mg/l]	0.03930550[mg/l]	
Conc RSD	*0.92734226*	*0.60765671*	*0.11717620*	*5.81880280*	*0.37308828*	*11.43478648*	
Conc SD	*0.01954550[mg/l]*	*0.01135680[mg/l]*	*0.00650431[mg/l]*	*0.00726623[mg/l]*	*0.00732917[mg/l]*	*0.00449450[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 473364 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	482468627001	Date:	21-NOV-2022 10:27
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master	482468627002	L1	21-NOV-2022 10:30	S17470, S13369 (100X)
L2	met06_master	482468627003	L2	21-NOV-2022 10:33	S17469, S13369 (100X)
L3	met06_master	482468627004	L3	21-NOV-2022 10:36	S17466, S13369 (100X)
L4	met06_master	482468627005	L4	21-NOV-2022 10:40	S17429, 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	0.0035	0.0344	0.0332	0.0315	WB1K	0.00286	31.7335		0.0256	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	-3	0.1000	12	1.0000	6	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06		
Calnum:	482468627001	Cal Date:	21-NOV-2022

- ICV 482468627011 (21-NOV-2022) stds: S17413, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Flags
Lead	A	1.000	1.012	mg/l	1	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2022-11-21 10:27:02	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	29942.70000000	760.97100000	1863.03000000	4294.77000000	4282.01000000	181.55800000	4022.15000000
Int RSD	*1.96997265*	*3.89481334*	*0.49855182*	*0.59045770*	*0.88255516*	*52.88684608*	*1.39358055*
Int SD	*589.86300000*	*29.63840000*	*9.28817000*	*25.35880000*	*37.79110000*	*96.02030000*	*56.05190000*
RelInt Mean	0.00002659	0.00205463	-0.00008972	0.00035956	0.00013600	0.00074549	0.00001603
RelInt RSD	*6.03022598*	*14.26334669*	*12.07489172*	*2.78587262*	*23.66149027*	*70.87683386*	*287.11211227*
RelInt SD	*0.00000160*	*0.00029306*	*0.00001083*	*0.00001002*	*0.00003218*	*0.00052838*	*0.00004601*

	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	3937.67000000	32796.90000000	7257.23000000	-153.67800000	679.13700000	4777.73000000	2701.58000000
Int RSD	*0.50705620*	*1.78255567*	*6.43930260*	*38.75050430*	*8.85211673*	*0.53426627*	*0.96289209*
Int SD	*19.96620000*	*584.62300000*	*467.31500000*	*59.55100000*	*60.11800000*	*25.52580000*	*26.01330000*
RelInt Mean	0.00002509	0.00020338	0.00269951	-0.00090193	-0.00044036	-0.00003888	0.00022536
RelInt RSD	*136.41245201*	*4.31626512*	*20.78488318*	*39.45071003*	*83.82304518*	*102.62248780*	*14.86572476*
RelInt SD	*0.00003422*	*0.00000878*	*0.00056109*	*0.00035582*	*0.00036912*	*0.00003989*	*0.00003350*

	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	6593.35000000	4464.82000000	4140.90000000	2762.50000000	2083.69000000	1870.03000000	214.45900000
Int RSD	*1.12639402*	*0.92646960*	*0.96618609*	*0.62122715*	*1.22115094*	*0.83437699*	*40.23500996*
Int SD	*74.26710000*	*41.36520000*	*40.00880000*	*17.16140000*	*25.44500000*	*15.60310000*	*86.28760000*
RelInt Mean	0.00858397	0.00020589	-0.00009210	-0.00003750	0.00002049	0.00000155	-0.00092234
RelInt RSD	*2.66839236*	*10.59527510*	*46.80419983*	*42.85032297*	*49.10273742*	*655.24567367*	*45.85568150*
RelInt SD	*0.00022905*	*0.00002181*	*0.00004311*	*0.00001607*	*0.00001006*	*0.00001018*	*0.00042294*

	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	34766.70000000	1858.49000000	6680.94000000	893080	29007000	179033	2831.24000000
Int RSD	*2.68118343*	*0.66248944*	*3.20505797*	*0.26708134*	*0.24978902*	*0.33759530*	*0.03782795*
Int SD	*932.15900000*	*12.31230000*	*214.12800000*	*2385.25000000*	*72456.30000000*	*604.40700000*	*1.07100000*
RelInt Mean	0.00009086	-0.00010726	0.00002410	---	---	---	0.00021250
RelInt RSD	*11.71618070*	*8.62066586*	*2.49900836*	---	---	---	*20.00484713*
RelInt SD	*0.00001064*	*0.00000925*	*0.00000060*	---	---	---	*0.00004251*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	107.39200000	3283.10000000	5405.02000000	2583.33000000	4067.15000000	2355.05000000	
Int RSD	*104.62883641*	*1.97666230*	*4.09630307*	*1.42752184*	*0.52519332*	*0.40834717*	
Int SD	*112.36300000*	*64.89580000*	*221.40600000*	*36.87760000*	*21.36040000*	*9.61678000*	
RelInt Mean	-0.00045073	0.00065253	0.00135670	0.00062930	0.00008590	-0.00007481	
RelInt RSD	*112.26446281*	*53.12067552*	*21.46642589*	*2.31755551*	*31.76802301*	*9.72431161*	
RelInt SD	*0.00050600*	*0.00034663*	*0.00029124*	*0.00001458*	*0.00002729*	*0.00000727*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L1,S17470			Sample Type: Calibration Sample
Measure Date: 2022-11-21 10:30:19	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	30572.40000000	774.18800000	1982.26000000	4551.18000000	5456.19000000	278.85000000	4377.96000000
Int RSD	*1.25269524*	*3.67548967*	*0.26532544*	*1.61700922*	*0.61821161*	*60.01326878*	*0.05752542*
Int SD	*382.97900000*	*28.45520000*	*5.25944000*	*73.59300000*	*33.73080000*	*167.34700000*	*2.51844000*
RelInt Mean	0.00003610	0.00178821	-0.00000206	0.00054559	0.00133399	0.00104568	0.00032792
RelInt RSD	*3.19366840*	*12.81734248*	*1007.40341577*	*12.58848629*	*2.36321861*	*58.06432178*	*3.95393375*
RelInt SD	*0.00000115*	*0.00022920*	*0.00002075*	*0.00006868*	*0.00003153*	*0.00060717*	*0.00001297*

	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	4527.12000000	36028.00000000	8374.80000000	83.54560000	803.36400000	10468.00000000	3182.27000000
Int RSD	*0.33107362*	*0.56166315*	*1.80644314*	*41.52079822*	*3.73880333*	*0.61315246*	*1.10083368*
Int SD	*14.98810000*	*202.35600000*	*151.28600000*	*34.68880000*	*30.03620000*	*64.18480000*	*35.03150000*
RelInt Mean	0.00060402	0.00030016	0.00380846	0.00055797	0.00015694	0.00620650	0.00069432
RelInt RSD	*6.46706478*	*1.86404539*	*3.84071252*	*54.58468796*	*180.37760135*	*1.07388383*	*6.58481715*
RelInt SD	*0.00003906*	*0.00000560*	*0.00014627*	*0.00030456*	*0.00028308*	*0.00006665*	*0.00004572*

	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	12745.10000000	4860.72000000	4305.93000000	3001.63000000	2255.07000000	2094.97000000	3359.77000000
Int RSD	*0.94687370*	*1.09460944*	*0.45349321*	*0.52311577*	*1.09858231*	*0.82967775*	*4.29145447*
Int SD	*120.68000000*	*53.20590000*	*19.52710000*	*15.70200000*	*24.77380000*	*17.38150000*	*144.18300000*
RelInt Mean	0.04341490	0.00052417	0.00001157	0.00014887	0.00015247	0.00019670	0.01669810
RelInt RSD	*0.82563129*	*9.07385185*	*114.07216673*	*16.44898233*	*17.47222477*	*8.02487087*	*4.34772818*
RelInt SD	*0.00035845*	*0.00004756*	*0.00001320*	*0.00002449*	*0.00002664*	*0.00001578*	*0.00072599*

	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	44979.40000000	2109.81000000	7004.43000000	901729	29109300	179117	5276.95000000
Int RSD	*1.22594566*	*0.76040971*	*0.68984771*	*0.54200320*	*0.32164600*	*1.87022449*	*0.07142497*
Int SD	*551.42300000*	*16.04320000*	*48.31990000*	*4887.40000000*	*93628.90000000*	*3349.89000000*	*3.76906000*
RelInt Mean	0.00042565	0.00013649	0.00003420	---	---	---	0.00286096
RelInt RSD	*1.98872537*	*4.22225397*	*12.87954242*	---	---	---	*1.05584140*
RelInt SD	*0.00000846*	*0.00000576*	*0.00000440*	---	---	---	*0.00003021*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-48.98860000	3610.98000000	10424.10000000	27208.50000000	4565.50000000	11865.50000000	
Int RSD	*208.84858926*	*3.02552216*	*0.54550033*	*0.50373229*	*0.89603548*	*0.14107707*	
Int SD	*102.31200000*	*109.25100000*	*56.86350000*	*137.05800000*	*40.90850000*	*16.73950000*	
RelInt Mean	-0.00127255	0.00239426	0.00682441	0.02801020	0.00056823	0.01046260	
RelInt RSD	*28.91391301*	*20.07129552*	*0.94811127*	*0.98662987*	*6.75501164*	*0.69631831*	
RelInt SD	*0.00036794*	*0.00048056*	*0.00006470*	*0.00027636*	*0.00003838*	*0.00007285*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L2,S17469			Sample Type: Calibration Sample
Measure Date: 2022-11-21 10:33:36	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	31043.60000000	1042.22000000	3637.06000000	11469.30000000	35864.80000000	213.88400000	12035.10000000
Int RSD	*0.63281320*	*4.97669398*	*0.79231027*	*1.29040133*	*0.73136334*	*13.61120981*	*0.79030669*
Int SD	*196.44800000*	*51.86810000*	*28.81680000*	*148.00000000*	*262.30200000*	*29.11220000*	*95.11420000*
RelInt Mean	0.00002974	0.00367351	0.00182955	0.00815343	0.03475920	0.00060072	0.00875945
RelInt RSD	*10.51894201*	*12.06350330*	*2.14388238*	*1.49071004*	*0.91301008*	*68.28122919*	*0.84381896*
RelInt SD	*0.00000313*	*0.00044315*	*0.00003922*	*0.00012154*	*0.00031736*	*0.00041018*	*0.00007391*

	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	18165.80000000	127210	65140.90000000	-181.45600000	538.43000000	175698	15158.20000000
Int RSD	*0.35293684*	*0.95288106*	*0.72927147*	*39.62944185*	*3.01781104*	*0.20070917*	*1.06133974*
Int SD	*64.11380000*	*1212.16000000*	*475.05400000*	*71.91000000*	*16.24880000*	*352.64200000*	*160.88000000*
RelInt Mean	0.01554820	0.00335796	0.06609510	-0.00080509	-0.00095216	0.18751000	0.01387130
RelInt RSD	*0.74251682*	*1.03553646*	*0.52430513*	*64.15398068*	*8.96047933*	*0.26749560*	*0.86753224*
RelInt SD	*0.00011545*	*0.00003477*	*0.00034654*	*0.00051650*	*0.00008532*	*0.00050158*	*0.00012034*

	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	6149.40000000	13999.00000000	7394.13000000	7140.63000000	6041.26000000	6644.65000000	109082
Int RSD	*1.41492341*	*1.17619116*	*0.24577334*	*2.60748701*	*0.81026971*	*1.20480988*	*1.57952733*
Int SD	*87.00930000*	*164.65500000*	*18.17280000*	*186.19100000*	*48.95050000*	*80.05540000*	*1722.98000000*
RelInt Mean	0.00846493	0.01063050	0.00343624	0.00473905	0.00434318	0.00522160	0.58257300
RelInt RSD	*5.83189702*	*1.58025493*	*0.61111855*	*3.70709319*	*1.03352382*	*1.81491497*	*0.34422296*
RelInt SD	*0.00049367*	*0.00016799*	*0.00002100*	*0.00017568*	*0.00004489*	*0.00009477*	*0.00200535*

	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	355978	8359.03000000	15154.30000000	915884	29553300	187086	71446.90000000
Int RSD	*0.95665182*	*0.46606365*	*1.09978026*	*0.22086203*	*0.40242883*	*1.58441572*	*0.83561358*
Int SD	*3405.47000000*	*38.95840000*	*166.66400000*	*2022.84000000*	*118931*	*2964.22000000*	*597.02000000*
RelInt Mean	0.01092440	0.00704191	0.00030442	---	---	---	0.07548270
RelInt RSD	*1.18439457*	*0.53860103*	*2.14902388*	---	---	---	*0.62692643*
RelInt SD	*0.00012939*	*0.00003793*	*0.00000654*	---	---	---	*0.00047322*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	1066.49000000	14035.40000000	4893.57000000	2453.26000000	16236.10000000	2388.38000000	
Int RSD	*4.26891954*	*3.61342035*	*1.14594458*	*3.83877779*	*0.81344042*	*0.63785076*	
Int SD	*45.52760000*	*507.15800000*	*56.07760000*	*94.17520000*	*132.07100000*	*15.23430000*	
RelInt Mean	0.00494629	0.05930080	0.00066595	0.00048221	0.01335070	-0.00006763	
RelInt RSD	*9.85289985*	*2.89174851*	*9.61774908*	*21.20448598*	*0.86131064*	*29.31240713*	
RelInt SD	*0.00048735*	*0.00171483*	*0.00006405*	*0.00010225*	*0.00011499*	*0.00001983*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L3,S17466			Sample Type: Calibration Sample
Measure Date: 2022-11-21 10:36:53	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	30133.80000000	4843.44000000	19485.80000000	80284.60000000	315619	177.96700000	81260.40000000
Int RSD	*0.58276420*	*0.98736229*	*0.60293137*	*0.47128465*	*0.36277601*	*61.66817444*	*0.70237902*
Int SD	*175.60900000*	*47.82230000*	*117.48600000*	*378.36900000*	*1144.99000000*	*109.74900000*	*570.75600000*
RelInt Mean	0.00002176	0.02462650	0.01910560	0.08351990	0.34054200	0.00050013	0.08439190
RelInt RSD	*24.49193119*	*3.08643940*	*0.76583829*	*0.26769069*	*0.20930957*	*100.55365384*	*0.28635924*
RelInt SD	*0.00000533*	*0.00076008*	*0.00014632*	*0.00022358*	*0.00071279*	*0.00050290*	*0.00024166*

	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	141325	1004220	606078	-101.94700000	506.44400000	1700400	129948
Int RSD	*0.70420591*	*1.07796100*	*0.24297038*	*40.23728016*	*6.86790642*	*0.24137615*	*0.71114754*
Int SD	*995.21900000*	*10825.10000000*	*1472.59000000*	*41.02070000*	*34.78210000*	*4104.36000000*	*924.12200000*
RelInt Mean	0.15014800	0.03279920	0.65756400	-0.00035948	-0.00063095	1.85434000	0.13927300
RelInt RSD	*0.23708541*	*1.12154260*	*0.25810415*	*46.04520481*	*68.62926897*	*0.25509507*	*0.23686716*
RelInt SD	*0.00035598*	*0.00036786*	*0.00169720*	*0.00016552*	*0.00043301*	*0.00473033*	*0.00032989*

	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	5186.54000000	99749.70000000	34666.20000000	54378.90000000	42434.00000000	53058.40000000	1050580
Int RSD	*2.01697085*	*0.63232571*	*0.76372951*	*0.23881873*	*0.56443889*	*0.58105974*	*0.86146605*
Int SD	*104.61100000*	*630.74300000*	*264.75600000*	*129.86700000*	*239.51400000*	*308.30100000*	*9050.39000000*
RelInt Mean	0.00408735	0.10423100	0.03324850	0.05622870	0.04409280	0.05589750	5.73752000
RelInt RSD	*4.53707170*	*0.19321603*	*0.48851226*	*0.29011875*	*0.47567857*	*0.74501006*	*0.16370261*
RelInt SD	*0.00018545*	*0.00020139*	*0.00016242*	*0.00016313*	*0.00020974*	*0.00041644*	*0.00939247*

	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	3307990	64905.20000000	90794.60000000	919457	29756200	183388	674515
Int RSD	*1.00363665*	*0.67417557*	*1.60723215*	*0.49104961*	*0.33344883*	*0.78803957*	*0.25033246*
Int SD	*33200.20000000*	*437.57500000*	*1459.28000000*	*4514.99000000*	*99221.70000000*	*1445.17000000*	*1688.53000000*
RelInt Mean	0.11010300	0.06865340	0.00284899	---	---	---	0.73445300
RelInt RSD	*1.02093494*	*0.41634646*	*1.73611350*	---	---	---	*0.25070631*
RelInt SD	*0.00112408*	*0.00028584*	*0.00004946*	---	---	---	*0.00184132*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	22290.50000000	110014	6666.37000000	3307.15000000	123057	2551.44000000	
Int RSD	*1.91892510*	*0.49961641*	*0.27035553*	*2.34933704*	*0.17512454*	*0.67602609*	
Int SD	*427.73800000*	*549.64800000*	*18.02290000*	*77.69610000*	*215.50300000*	*17.24840000*	
RelInt Mean	0.12106600	0.58178100	0.00274779	0.00130315	0.12999700	0.00006747	
RelInt RSD	*2.25729767*	*0.95923380*	*0.78847001*	*5.72076891*	*0.30308930*	*32.52832761*	
RelInt SD	*0.00273282*	*0.00558064*	*0.00002167*	*0.00007455*	*0.00039401*	*0.00002195*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L4,S17429			Sample Type: Calibration Sample
Measure Date: 2022-11-21 10:40:11	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	36127.70000000	45007.60000000	172766	764518	3037010	182.64300000	750791
Int RSD	*0.63294093*	*1.20022841*	*0.06656229*	*0.42554525*	*0.15869194*	*68.67933619*	*0.37944914*
Int SD	*228.66700000*	*540.19400000*	*114.99700000*	*3253.37000000*	*4819.49000000*	*125.43800000*	*2848.87000000*
RelInt Mean	-0.00004472	0.24661000	0.18729000	0.83904200	3.34747000	0.00090858	0.82261300
RelInt RSD	*29.24354264*	*1.14938161*	*0.21434834*	*0.43540609*	*0.07830361*	*95.91318771*	*0.16419629*
RelInt SD	*0.00001308*	*0.00283449*	*0.00040145*	*0.00365324*	*0.00262119*	*0.00087145*	*0.00135070*

	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	1347860	9539890	5738810	-109.86400000	574.75300000	15930700	1268640
Int RSD	*0.14755835*	*1.02991229*	*0.16811290*	*55.21171630*	*14.44324780*	*0.53075697*	*0.31615352*
Int SD	*1988.88000000*	*98252.50000000*	*9647.68000000*	*60.65780000*	*83.01300000*	*84553.30000000*	*4010.85000000*
RelInt Mean	1.48082000	0.32916700	6.33054000	-0.00039375	-0.00054766	17.58500000	1.39637000
RelInt RSD	*0.18392040*	*1.14925555*	*0.07086536*	*71.36852638*	*73.86278978*	*0.59704293*	*0.36297615*
RelInt SD	*0.00272353*	*0.00378297*	*0.00448616*	*0.00028102*	*0.00040451*	*0.10499000*	*0.00506849*

	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	4734.87000000	920967	291059	510793	3034.20000000	498778	9769600
Int RSD	*2.52473669*	*0.39541916*	*0.14915533*	*0.29404279*	*0.14196164*	*0.20320263*	*0.55247093*
Int SD	*119.54300000*	*3641.68000000*	*434.13000000*	*1501.95000000*	*4.30740000*	*1013.53000000*	*53974.20000000*
RelInt Mean	0.00200857	1.00960000	0.31484800	0.55860000	0.00008179	0.54744100	54.05240000
RelInt RSD	*43.16887139*	*0.29813193*	*0.09655739*	*0.28868242*	*44.48170922*	*0.34344340*	*1.15687185*
RelInt SD	*0.00086708*	*0.00300994*	*0.00030401*	*0.00161258*	*0.00003638*	*0.00188015*	*0.62531700*

	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	32471300	600093	832925	911646	28853100	181065	6536360
Int RSD	*0.96440549*	*0.12931912*	*1.40977879*	*0.22988858*	*0.10983395*	*0.86222075*	*0.56119002*
Int SD	*313155*	*776.03500000*	*11742.40000000*	*2095.77000000*	*31690.50000000*	*1561.18000000*	*36681.40000000*
RelInt Mean	1.12441000	0.65804900	0.02860600	---	---	---	7.21098000
RelInt RSD	*1.07633337*	*0.15750043*	*1.52280990*	---	---	---	*0.50751216*
RelInt SD	*0.01210240*	*0.00103643*	*0.00043561*	---	---	---	*0.03659660*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	223233	1171970	25640.60000000	10684.40000000	1174970	4486.40000000	
Int RSD	*0.68427607*	*1.30323302*	*0.37205136*	*0.87415859*	*0.11409738*	*0.43593527*	
Int SD	*1527.53000000*	*15273.50000000*	*95.39620000*	*93.39860000*	*1340.61000000*	*19.55780000*	
RelInt Mean	1.23386000	6.42093000	0.02296260	0.00833530	1.28919000	0.00122811	
RelInt RSD	*0.30262915*	*1.87225215*	*0.42460436*	*0.93221360*	*0.13348226*	*0.09462670*	
RelInt SD	*0.00373402*	*0.12021600*	*0.00009750*	*0.00007770*	*0.00172084*	*0.00000116*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L5,S17316			Sample Type: Calibration Sample
Measure Date: 2022-11-21 10:43:27	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	1562230	858.28800000	1973.84000000	4617.28000000	4843.03000000	159.88100000	4056.12000000
Int RSD	*1.22856430*	*10.69523284*	*1.85251084*	*2.61082282*	*11.66598183*	*58.52953134*	*3.03030975*
Int SD	*19193.00000000*	*91.79590000*	*36.56560000*	*120.54900000*	*564.98700000*	*93.57760000*	*122.91300000*
RelInt Mean	0.05083690	0.00287483	0.00001069	0.00075291	0.00077269	0.00054612	0.00008356
RelInt RSD	*1.26903686*	*17.31469339*	*320.01740155*	*15.27151500*	*80.44757808*	*123.68838351*	*164.25759045*
RelInt SD	*0.00064514*	*0.00049777*	*0.00003421*	*0.00011498*	*0.00062161*	*0.00067549*	*0.00013725*

	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	4306.45000000	56037.70000000	13190.60000000	-132.93200000	594.00800000	6597.31000000	7965.74000000
Int RSD	*11.39017056*	*26.17666321*	*32.01052264*	*39.49929287*	*15.20804434*	*30.76420541*	*23.67200034*
Int SD	*490.51200000*	*14668.80000000*	*4222.38000000*	*52.50720000*	*90.33700000*	*2029.61000000*	*1885.65000000*
RelInt Mean	0.00049227	0.00097166	0.00925942	-0.00049940	-0.00067983	0.00203412	0.00602269
RelInt RSD	*108.36722422*	*49.77574414*	*50.42076070*	*63.86469309*	*48.54037897*	*110.86120780*	*34.83924957*
RelInt SD	*0.00053346*	*0.00048365*	*0.00466867*	*0.00031894*	*0.00032999*	*0.00225505*	*0.00209826*

	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	5009.17000000	4549.77000000	4152.95000000	3472.18000000	2096.63000000	3472.61000000	209.37400000
Int RSD	*5.65197428*	*3.03938441*	*1.44652837*	*6.89345022*	*0.91732447*	*20.35653298*	*17.49801790*
Int SD	*283.11700000*	*138.28500000*	*60.07360000*	*239.35300000*	*19.23290000*	*706.90300000*	*36.63630000*
RelInt Mean	0.00277061	0.00032107	-0.00003018	0.00076165	0.00003117	0.00176189	-0.00071510
RelInt RSD	*8.17235194*	*50.89980378*	*240.93624409*	*32.29672830*	*25.91225656*	*43.92476261*	*54.62681600*
RelInt SD	*0.00022642*	*0.00016342*	*0.00007272*	*0.00024599*	*0.00000808*	*0.00077391*	*0.00039064*

	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	185122	4418.01000000	9464.93000000	911054	30158400	180048	3836.65000000
Int RSD	*19.48169315*	*39.30932705*	*14.36101482*	*0.29944218*	*0.28766745*	*0.65804119*	*24.50460688*
Int SD	*36064.90000000*	*1736.69000000*	*1359.26000000*	*2728.08000000*	*86755.90000000*	*1184.79000000*	*940.15600000*
RelInt Mean	0.00507809	0.00275631	0.00011953	---	---	---	0.00132777
RelInt RSD	*23.41470907*	*69.98160584*	*37.73271087*	---	---	---	*77.92840628*
RelInt SD	*0.00118902*	*0.00192891*	*0.00004510*	---	---	---	*0.00103471*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-52.98470000	2980.06000000	4890.66000000	2608.74000000	4138.38000000	2359.69000000	
Int RSD	*52.04143838*	*5.96293363*	*1.14480663*	*0.72335687*	*2.59454183*	*1.01385351*	
Int SD	*27.57400000*	*177.69900000*	*55.98860000*	*18.87050000*	*107.37200000*	*23.92380000*	
RelInt Mean	-0.00112487	0.00120972	0.00079963	0.00063186	0.00017132	-0.00006732	
RelInt RSD	*16.11181737*	*7.14937341*	*3.96459354*	*4.80876393*	*79.68608635*	*65.17913243*	
RelInt SD	*0.00018124*	*0.00008649*	*0.00003170*	*0.00003038*	*0.00013652*	*0.00004388*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L6,S17333			Sample Type: Calibration Sample
Measure Date: 2022-11-21 10:46:44	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	30606.30000000	950.74900000	1982.39000000	4473.95000000	4462.23000000	22877.30000000	4117.53000000
Int RSD	*1.70758308*	*2.06501400*	*0.14756985*	*0.39976307*	*0.48662216*	*1.79715701*	*0.78776111*
Int SD	*522.62800000*	*19.63310000*	*2.92541000*	*17.88520000*	*21.71420000*	*411.14100000*	*32.43630000*
RelInt Mean	0.00004997	0.00232061	-0.00007798	0.00040183	0.00016229	0.12632800	-0.00001546
RelInt RSD	*32.86467557*	*15.32260914*	*25.10213555*	*2.57544235*	*16.60550006*	*1.87790514*	*192.21666085*
RelInt SD	*0.00001642*	*0.00035558*	*0.00001958*	*0.00001035*	*0.00002695*	*0.00237232*	*0.00002972*

	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	4079.57000000	33084.80000000	6170.66000000	96524.20000000	10242.70000000	4929.95000000	3390.52000000
Int RSD	*0.75572916*	*0.36003542*	*0.48267284*	*1.40564750*	*1.80123405*	*0.43490705*	*4.52821396*
Int SD	*30.83050000*	*119.11700000*	*29.78410000*	*1356.79000000*	*184.49500000*	*21.44070000*	*153.53000000*
RelInt Mean	0.00008508	0.00021422	0.00137429	0.53401800	0.05269010	-0.00001252	0.00089776
RelInt RSD	*22.56252284*	*2.36647154*	*3.36851756*	*1.88276425*	*2.46338496*	*129.82271203*	*18.68066749*
RelInt SD	*0.00001920*	*0.00000507*	*0.00004629*	*0.01005430*	*0.00129796*	*0.00001626*	*0.00016771*

	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	715692	4556.83000000	4248.55000000	2993.26000000	2150.50000000	2153.77000000	249.45700000
Int RSD	*0.58327744*	*0.65572558*	*0.31563710*	*1.25321890*	*2.69856777*	*1.88164474*	*14.71888943*
Int SD	*4174.47000000*	*29.88030000*	*13.41000000*	*37.51210000*	*58.03270000*	*40.52630000*	*36.71730000*
RelInt Mean	3.92872000	0.00018034	-0.00010396	0.00008688	0.00001067	0.00020358	-0.00027504
RelInt RSD	*0.75086288*	*7.14402160*	*14.25468676*	*30.02120102*	*382.64224174*	*22.83849101*	*130.60139687*
RelInt SD	*0.02949930*	*0.00001288*	*0.00001482*	*0.00002608*	*0.00004082*	*0.00004649*	*0.00035921*

	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	67055.90000000	1990.11000000	6792.90000000	883280	28604400	180898	3215.81000000
Int RSD	*1.70672528*	*0.19240293*	*1.91364513*	*0.38398469*	*0.71230650*	*0.52583058*	*0.60225884*
Int SD	*1144.46000000*	*3.82903000*	*129.99200000*	*3391.66000000*	*203751*	*951.21700000*	*19.36750000*
RelInt Mean	0.00121627	-0.00000486	0.00002424	---	---	---	0.00056101
RelInt RSD	*4.20926275*	*409.65873432*	*20.19568204*	---	---	---	*6.19505213*
RelInt SD	*0.00005120*	*0.00001991*	*0.00000490*	---	---	---	*0.00003475*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-125.75900000	2965.38000000	577965	2674.46000000	4148.54000000	2442.26000000	
Int RSD	*29.33229431*	*3.18073232*	*0.12304967*	*3.32616304*	*0.31064423*	*1.50992933*	
Int SD	*36.88800000*	*94.32080000*	*711.18400000*	*88.95690000*	*12.88720000*	*36.87640000*	
RelInt Mean	-0.00155358	0.00091284	0.65226200	0.00062330	0.00005564	-0.00009970	
RelInt RSD	*25.80208293*	*56.74781233*	*0.32102591*	*18.54124117*	*21.36225971*	*29.44459992*	
RelInt SD	*0.00040086*	*0.00051802*	*0.00209393*	*0.00011557*	*0.00001189*	*0.00002935*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L7,S17334			Sample Type: Calibration Sample
Measure Date: 2022-11-21 10:50:01	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	30275.20000000	810.34400000	1914.87000000	4257.56000000	4297.77000000	170.83000000	4013.71000000
Int RSD	*0.38715516*	*3.88117886*	*0.98739340*	*0.43051654*	*1.30372030*	*33.93291576*	*0.48922568*
Int SD	*117.21200000*	*31.45090000*	*18.90730000*	*18.32950000*	*56.03090000*	*57.96760000*	*19.63610000*
RelInt Mean	0.00003141	0.00237518	-0.00004494	0.00030997	0.00015014	0.00048601	0.00000918
RelInt RSD	*15.78315861*	*11.58446939*	*20.94463063*	*17.10053101*	*12.66632920*	*45.99685188*	*518.28757582*
RelInt SD	*0.00000496*	*0.00027515*	*0.00000941*	*0.00005301*	*0.00001902*	*0.00022355*	*0.00004759*

	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	3987.51000000	33112.80000000	5937.31000000	-88.71130000	620.76500000	4858.86000000	2896.70000000
Int RSD	*1.03576417*	*0.59312713*	*0.58649793*	*90.55035830*	*6.53846464*	*0.25759952*	*3.89246384*
Int SD	*41.30120000*	*196.40100000*	*34.82220000*	*80.32840000*	*40.58850000*	*12.51640000*	*112.75300000*
RelInt Mean	0.00012232	0.00019788	0.00119678	-0.00049332	-0.00021001	0.00006027	0.00040947
RelInt RSD	*22.46034861*	*1.76806650*	*4.84667190*	*40.71786493*	*189.19469734*	*67.38246059*	*35.01997695*
RelInt SD	*0.00002747*	*0.00000350*	*0.00005800*	*0.00020087*	*0.00039732*	*0.00004061*	*0.00014340*

	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	5364.88000000	4537.75000000	4173.64000000	2835.39000000	2063.89000000	1983.55000000	238.31800000
Int RSD	*2.62447622*	*2.83737535*	*0.60157560*	*0.90311386*	*0.79701438*	*2.46664314*	*21.87560319*
Int SD	*140.80000000*	*128.75300000*	*25.10760000*	*25.60680000*	*16.44950000*	*48.92710000*	*52.13350000*
RelInt Mean	0.00407532	0.00028132	-0.00005069	0.00005376	-0.00002939	0.00010553	-0.00039654
RelInt RSD	*9.88918662*	*54.96377765*	*57.71954814*	*72.65122145*	*22.89611220*	*62.54444150*	*96.45305116*
RelInt SD	*0.00040302*	*0.00015462*	*0.00002926*	*0.00003905*	*0.00000673*	*0.00006600*	*0.00038247*

	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	36286.90000000	1894.48000000	6675.83000000	924620	30530400	184946	2986.66000000
Int RSD	*4.22786185*	*0.35239855*	*2.39081882*	*0.23648201*	*0.58515119*	*0.26166935*	*0.79172387*
Int SD	*1534.16000000*	*6.67612000*	*159.60700000*	*2186.56000000*	*178649*	*483.94700000*	*23.64610000*
RelInt Mean	0.00013031	-0.00005039	0.00002304	---	---	---	0.00035312
RelInt RSD	*34.11445104*	*37.71372547*	*25.33396710*	---	---	---	*1.42929517*
RelInt SD	*0.00004445*	*0.00001900*	*0.00000584*	---	---	---	*0.00000505*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-27.53640000	3078.21000000	5096.98000000	250349	4052.11000000	96756.40000000	
Int RSD	*426.78418384*	*5.77868307*	*5.20223740*	*0.40719556*	*1.18445205*	*0.68919059*	
Int SD	*117.52100000*	*177.88000000*	*265.15700000*	*1019.41000000*	*47.99530000*	*666.83600000*	
RelInt Mean	-0.00091099	0.00111251	0.00095146	0.26954100	0.00007860	0.10240300	
RelInt RSD	*57.87404211*	*30.17438046*	*32.48544342*	*0.19903132*	*19.91724685*	*0.49194653*	
RelInt SD	*0.00052723*	*0.00033569*	*0.00030909*	*0.00053647*	*0.00001565*	*0.00050377*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICAL,L8,S17210			Sample Type: Calibration Sample
Measure Date: 2022-11-21 10:53:17	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	30779.70000000	2618.29000000	2448.48000000	5129.93000000	5094.75000000	438136	4666.65000000
Int RSD	*0.50299386*	*4.94674005*	*1.15190240*	*1.15152448*	*0.57701359*	*0.54145973*	*0.26113808*
Int SD	*154.82000000*	*129.52000000*	*28.20410000*	*59.07240000*	*29.39740000*	*2372.33000000*	*12.18640000*
RelInt Mean	0.00003447	0.00168792	-0.00004865	0.00030728	0.00030334	2.41103000	0.00001590
RelInt RSD	*10.54867806*	*35.87995877*	*78.76388675*	*23.08065062*	*4.04256652*	*0.29272095*	*166.58218614*
RelInt SD	*0.00000364*	*0.00060562*	*0.00003832*	*0.00007092*	*0.00001226*	*0.00705759*	*0.00002649*

	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	4924.96000000	34416.20000000	8701.62000000	462829	180459	6834.13000000	3202.02000000
Int RSD	*2.43561369*	*0.81920142*	*40.82975354*	*0.70186397*	*0.84480131*	*10.03731272*	*2.51889120*
Int SD	*119.95300000*	*281.93800000*	*3552.85000000*	*3248.43000000*	*1524.52000000*	*685.96300000*	*80.65540000*
RelInt Mean	0.00019913	0.00023322	0.00358865	2.53670000	0.98692700	0.00133446	0.00025666
RelInt RSD	*89.44202000*	*2.01174428*	*123.32409123*	*1.36597548*	*0.81942231*	*66.56160544*	*25.79376768*
RelInt SD	*0.00017811*	*0.00000469*	*0.00442567*	*0.03465070*	*0.00808710*	*0.00088824*	*0.00006620*

	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	3341740	5393.00000000	4814.96000000	3280.31000000	2487.43000000	2359.97000000	518.75000000
Int RSD	*0.34707069*	*2.53758576*	*1.22038397*	*0.86455853*	*0.48448399*	*0.49031979*	*14.00879036*
Int SD	*11598.20000000*	*136.85200000*	*58.76100000*	*28.36020000*	*12.05120000*	*11.57140000*	*72.67060000*
RelInt Mean	18.31570000	0.00049437	-0.00001153	-0.00000507	0.00002044	0.00006803	0.00093163
RelInt RSD	*1.00745262*	*37.72602136*	*356.83743270*	*545.09708709*	*162.20401174*	*29.60437244*	*24.11601552*
RelInt SD	*0.18452200*	*0.00018651*	*0.00004116*	*0.00002762*	*0.00003315*	*0.00002014*	*0.00022467*

	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	38027.60000000	2297.17000000	8142.75000000	816744	26221000	181995	3616.51000000
Int RSD	*0.27310953*	*0.62102065*	*0.61553529*	*0.30919603*	*0.40676557*	*0.68513421*	*1.11800050*
Int SD	*103.85700000*	*14.26590000*	*50.12150000*	*2525.34000000*	*106658*	*1246.91000000*	*40.43260000*
RelInt Mean	0.00013268	-0.00000363	0.00002786	---	---	---	0.00065455
RelInt RSD	*5.86712038*	*657.63944360*	*7.60410534*	---	---	---	*6.88312680*
RelInt SD	*0.00000778*	*0.00002388*	*0.00000212*	---	---	---	*0.00004505*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	46.61750000	2874.21000000	5772.28000000	2932.56000000	4718.53000000	2915.73000000	
Int RSD	*81.52045906*	*7.36758970*	*0.40928714*	*1.12477494*	*0.60132923*	*1.98459048*	
Int SD	*38.00280000*	*211.76000000*	*23.62520000*	*32.98470000*	*28.37390000*	*57.86530000*	
RelInt Mean	-0.00076738	0.00041660	0.00084775	0.00058986	0.00008716	-0.00008039	
RelInt RSD	*56.91860617*	*161.03312530*	*5.49402420*	*10.12970962*	*40.50505549*	*73.32323255*	
RelInt SD	*0.00043678*	*0.00067086*	*0.00004658*	*0.00005975*	*0.00003531*	*0.00005894*	

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICV,S17413	Sample Type: Control Sample		
Measure Date: 2022-11-21 11:03:33	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	374999	3919.26000000	19463.60000000	80746.60000000	286087	209827	142996
Int RSD	*0.85123694*	*2.91121283*	*0.95545531*	*0.10926900*	*0.24757818*	*0.07335186*	*0.20530784*
Int SD	*3192.13000000*	*114.09800000*	*185.96600000*	*88.23100000*	*708.28900000*	*153.91200000*	*293.58200000*
RelInt Mean	0.01261980	0.01450040	0.02058460	0.09189680	0.33967600	1.16315000	0.16690200
RelInt RSD	*1.05646682*	*3.70799426*	*1.04761326*	*0.37771827*	*0.46674772*	*0.55181705*	*0.28834705*
RelInt SD	*0.00013332*	*0.00053767*	*0.00021565*	*0.00034711*	*0.00158543*	*0.00641846*	*0.00048126*
Conc Mean	0.49569400[mg/l]	1.01876000[mg/l]	1.10215000[mg/l]	1.09155000[mg/l]	1.01028000[mg/l]	96.44260000[mg/l]	1.01233000[mg/l]
Conc RSD	*1.05888512*	*4.31935883*	*1.04425895*	*0.37892447*	*0.46719721*	*0.55197392*	*0.28763052*
Conc SD	*0.00524883[mg/l]*	*0.04400390[mg/l]*	*0.01150930[mg/l]*	*0.00413615[mg/l]*	*0.00472000[mg/l]*	*0.53233800[mg/l]*	*0.00291177[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	128575	924049	279185	237763	91490.60000000	1503280	125867
Int RSD	*0.39665643*	*1.09601331*	*0.19078890*	*1.88612610*	*0.17545190*	*0.69737507*	*0.21179737*
Int SD	*510.00100000*	*10127.70000000*	*532.65400000*	*4484.51000000*	*160.52200000*	*10483.50000000*	*266.58300000*
RelInt Mean	0.14943300	0.03278790	0.33040700	1.31549000	0.50243900	1.80880000	0.14840500
RelInt RSD	*0.76760153*	*1.23372037*	*0.54670452*	*1.42155395*	*0.72522237*	*0.42187085*	*0.38028705*
RelInt SD	*0.00114705*	*0.00040451*	*0.00180635*	*0.01870040*	*0.00364380*	*0.00763080*	*0.00056437*
Conc Mean	1.00881000[mg/l]	0.99062300[mg/l]	1.03534000[mg/l]	103.75100000[mg/l]	101.84100000[mg/l]	1.02798000[mg/l]	1.06140000[mg/l]
Conc RSD	*0.76793351*	*1.24139052*	*0.55123534*	*1.42029474*	*0.72467277*	*0.42196152*	*0.38048238*
Conc SD	*0.00774699[mg/l]*	*0.01229750[mg/l]*	*0.00570716[mg/l]*	*1.47357000[mg/l]*	*0.73801400[mg/l]*	*0.00433768[mg/l]*	*0.00403844[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	1426970	87318.70000000	31141.70000000	19870.00000000	14766.10000000	233418	212568
Int RSD	*1.74397500*	*0.14673947*	*0.62254148*	*0.57904378*	*0.99078971*	*0.21296601*	*0.38263238*
Int SD	*24886.00000000*	*128.13100000*	*193.87000000*	*115.05600000*	*146.30100000*	*497.10100000*	*813.35400000*
RelInt Mean	7.86417000	0.09934090	0.03179490	0.02004720	0.01489490	0.27917500	1.17688000
RelInt RSD	*2.25988248*	*0.47370519*	*0.44695218*	*1.01789277*	*1.35995542*	*0.43725978*	*0.23473421*
RelInt SD	*0.17772100*	*0.00047058*	*0.00014211*	*0.00020406*	*0.00020256*	*0.00122072*	*0.00276254*
Conc Mean	86.45290000[mg/l]	0.98178700[mg/l]	1.01157000[mg/l]	1.07261000[mg/l]	1.01269000[mg/l]	5.09856000[mg/l]	1.02606000[mg/l]
Conc RSD	*2.26221445*	*0.47471295*	*0.44551539*	*1.01847829*	*1.36171978*	*0.43731171*	*0.23431183*
Conc SD	*1.95575000[mg/l]*	*0.00466067[mg/l]*	*0.00450670[mg/l]*	*0.01092430[mg/l]*	*0.01379000[mg/l]*	*0.02229660[mg/l]*	*0.00240418[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	3206380	21395.30000000	166821	833602	27281300	180712	207826
Int RSD	*0.83011995*	*0.16297271*	*1.05702519*	*0.35831848*	*0.10130529*	*0.56364270*	*0.15162684*
Int SD	*26616.80000000*	*34.86850000*	*1763.34000000*	*2986.95000000*	*27637.40000000*	*1018.57000000*	*315.12000000*
RelInt Mean	0.11632500	0.02297190	0.00585742	---	---	---	0.24714400
RelInt RSD	*0.93453686*	*0.39657799*	*1.24294826*	---	---	---	*0.38244020*
RelInt SD	*0.00108710*	*0.00009110*	*0.00007280*	---	---	---	*0.00094518*
Conc Mean	1.03406000[mg/l]	1.04594000[mg/l]	1.02016000[mg/l]	827864	27228000	180287	1.00815000[mg/l]
Conc RSD	*0.93513819*	*0.39431421*	*1.24852964*	---	---	---	*0.38262263*
Conc SD	*0.00966989[mg/l]*	*0.00412429[mg/l]*	*0.01273700[mg/l]*	*3005.69000000*	*27727.30000000*	*1040.64000000*	*0.00385741[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	46005.30000000	144810	306092	128340	225664	51119.80000000	
Int RSD	*0.14128850*	*1.45704717*	*0.23040622*	*0.09743260*	*0.15337316*	*0.75973498*	
Int SD	*65.00020000*	*2109.95000000*	*705.25500000*	*125.04500000*	*346.10800000*	*388.37500000*	
RelInt Mean	0.25409300	0.78172400	0.36338100	0.15170000	0.26656600	0.05813960	
RelInt RSD	*0.65331591*	*1.20011539*	*0.54363327*	*0.46015953*	*0.46645484*	*0.72358083*	
RelInt SD	*0.00166003*	*0.00938159*	*0.00197546*	*0.00069806*	*0.00124341*	*0.00042069*	
Conc Mean	1.03130000[mg/l]	1.21770000[mg/l]	5.53797000[mg/l]	5.61785000[mg/l]	1.02949000[mg/l]	5.68068000[mg/l]	
Conc RSD	*0.65255503*	*1.20124825*	*0.54636627*	*0.46220351*	*0.46824059*	*0.72257371*	
Conc SD	*0.00672980[mg/l]*	*0.01462760[mg/l]*	*0.03025760[mg/l]*	*0.02596590[mg/l]*	*0.00482049[mg/l]*	*0.04104710[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627013	File:	met06_master	Time:	21-NOV-2022 11:10
Cal:	482468627001	Caldate:	21-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	H	29007000	29984100	3.37
Yttrium	A	893080	897680	0.52
Yttrium	R	179033	180838	1.01

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2022-11-21 11:10:05	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	30584.70000000	864.64100000	1903.33000000	4186.00000000	4339.98000000	198.73200000	4025.30000000
Int RSD	*0.77626395*	*9.24819665*	*2.38642800*	*0.61391543*	*0.84105687*	*39.36366564*	*0.49482026*
Int SD	*237.41800000*	*79.96370000*	*45.42160000*	*25.69850000*	*36.50170000*	*78.22820000*	*19.91800000*
RelInt Mean	0.00003674	0.00275134	-0.00007343	0.00025222	0.00020014	0.00044328	0.00002221
RelInt RSD	*15.75945371*	*20.36985614*	*58.74032734*	*18.70229916*	*23.06234105*	*85.55418197*	*122.11632828*
RelInt SD	*0.00000579*	*0.00056044*	*0.00004313*	*0.00004717*	*0.00004616*	*0.00037925*	*0.00002713*
Conc Mean	<0.00039976[mg/l]	<0.05722350[mg/l]	<0.00084640[mg/l]	<-0.00126541[mg/l]	<0.00016819[mg/l]	<-0.02547080[mg/l]	<0.00002248[mg/l]
Conc RSD	*57.01477902*	*80.15325871*	*271.88090737*	*44.45175872*	*81.03680978*	*123.53675581*	*733.47155238*
Conc SD	*0.00022792[mg/l]*	*0.04586650[mg/l]*	*0.00230120[mg/l]*	*0.00056250[mg/l]*	*0.00013630[mg/l]*	*0.03146580[mg/l]*	*0.00016486[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	3973.89000000	33445.70000000	6644.22000000	-82.64160000	612.62500000	4911.79000000	2907.34000000
Int RSD	*0.60472484*	*0.44255315*	*0.56416254*	*79.73599253*	*6.02613344*	*0.62552552*	*2.88746414*
Int SD	*24.03110000*	*148.01500000*	*37.48420000*	*65.89510000*	*36.91760000*	*30.72450000*	*83.94840000*
RelInt Mean	0.00007356	0.00020440	0.00200228	-0.00028859	-0.00046243	0.00012270	0.00041422
RelInt RSD	*33.67926080*	*4.60577596*	*1.08535270*	*100.53467412*	*38.60920450*	*40.75871062*	*16.41891827*
RelInt SD	*0.00002477*	*0.00000941*	*0.00002173*	*0.00029013*	*0.00017854*	*0.00005001*	*0.00006801*
Conc Mean	<0.00031031[mg/l]	<0.00004317[mg/l]	<-0.00226502[mg/l]	0.04834020[mg/l]	<-0.00538283[mg/l]	<0.00003717[mg/l]	0.00135867[mg/l]
Conc RSD	*53.90785373*	*663.02874736*	*3.03120061*	*47.30327967*	*671.71915145*	*76.45631525*	*35.85550575*
Conc SD	*0.00016728[mg/l]*	*0.00028620[mg/l]*	*0.00006866[mg/l]*	*0.02286650[mg/l]*	*0.03615750[mg/l]*	*0.00002842[mg/l]*	*0.00048716[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	5119.14000000	4455.91000000	4171.69000000	2830.59000000	2101.22000000	2073.68000000	194.28700000
Int RSD	*4.73022812*	*1.37003440*	*0.64079546*	*0.73900848*	*0.79442419*	*0.87067918*	*28.54915666*
Int SD	*242.14700000*	*61.04750000*	*26.73200000*	*20.91830000*	*16.69260000*	*18.05510000*	*55.46730000*
RelInt Mean	0.00297958	0.00018311	-0.00007746	0.00002716	0.00003611	0.00020712	-0.00096551
RelInt RSD	*9.84316582*	*52.04534905*	*27.49783100*	*69.33282776*	*88.85935328*	*13.26482133*	*57.74027766*
RelInt SD	*0.00029329*	*0.00009530*	*0.00002130*	*0.00001883*	*0.00003209*	*0.00002747*	*0.00055749*
Conc Mean	<-0.05628680[mg/l]	<-0.00025585[mg/l]	<0.00037836[mg/l]	0.00347033[mg/l]	<0.00106889[mg/l]	0.00374016[mg/l]	<-0.00004585[mg/l]
Conc RSD	*5.73390209*	*368.91161940*	*176.24430443*	*29.12172618*	*204.40363368*	*13.41522823*	*1059.32610052*
Conc SD	*0.00322743[mg/l]*	*0.00094385[mg/l]*	*0.00066685[mg/l]*	*0.00101062[mg/l]*	*0.00218485[mg/l]*	*0.00050175[mg/l]*	*0.00048567[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	36532.90000000	1889.04000000	6796.95000000	897680	29984100	180838	3133.28000000
Int RSD	*0.90682645*	*0.79554694*	*2.83656640*	*0.23272324*	*0.33796579*	*0.19641005*	*0.42016673*
Int SD	*331.29000000*	*15.02820000*	*192.80000000*	*2089.11000000*	*101336*	*355.18400000*	*13.16500000*
RelInt Mean	0.00012943	-0.00005904	0.00002560	---	---	---	0.00052478
RelInt RSD	*6.00003863*	*14.91751858*	*9.63726765*	---	---	---	*1.30790881*
RelInt SD	*0.00000777*	*0.00000881*	*0.00000247*	---	---	---	*0.00000686*
Conc Mean	<0.00036589[mg/l]	<0.00206692[mg/l]	<0.00026831[mg/l]	892344	29933100	180423	0.00126878[mg/l]
Conc RSD	*18.88152788*	*19.36214271*	*160.91492209*	---	---	---	*2.20339224*
Conc SD	*0.00006909[mg/l]*	*0.00040020[mg/l]*	*0.00043175[mg/l]*	*2058.81000000*	*100959*	*376.58600000*	*0.00002796[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-40.81050000	2987.05000000	5037.37000000	2626.73000000	4065.51000000	2440.67000000	
Int RSD	*265.77473934*	*3.54530390*	*0.91319081*	*2.16116616*	*0.76239881*	*1.33000774*	
Int SD	*108.46400000*	*105.90000000*	*46.00080000*	*56.76800000*	*30.99540000*	*32.46110000*	
RelInt Mean	-0.00126213	0.00078827	0.00094934	0.00062370	0.00008633	-0.00000648	
RelInt RSD	*48.11152575*	*53.59743945*	*9.40688018*	*9.13341072*	*20.96123995*	*714.56697473*	
RelInt SD	*0.00060723*	*0.00042249*	*0.00008930*	*0.00005696*	*0.00001810*	*0.00004628*	
Conc Mean	<-0.00328744[mg/l]	<0.00030548[mg/l]	<-0.00628902[mg/l]	<-0.00020837[mg/l]	<-0.00000630[mg/l]	<0.00666810[mg/l]	
Conc RSD	*74.83725939*	*215.60074506*	*21.95874715*	*1016.62427413*	*1232.71814450*	*67.71989022*	
Conc SD	*0.00246023[mg/l]*	*0.00065861[mg/l]*	*0.00138099[mg/l]*	*0.00211834[mg/l]*	*0.00007769[mg/l]*	*0.00451563[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627015	File:	met06_master	Time:	21-NOV-2022 11:16
Cal:	482468627001	Caldate:	21-NOV-2022		

Standards: S17208, S13369 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	0.9873	mg/l	-1	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29007000	25930700	-10.61
Yttrium	A	893080	831214	-6.93
Yttrium	R	179033	173833	-2.90

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSAB,S17208			Sample Type: Control Sample
Measure Date: 2022-11-21 11:16:37	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	750210	902510	8883.34000000	7840.10000000	146009	881281	71075.80000000
Int RSD	*1.52935845*	*0.49707593*	*0.13915149*	*1.08847209*	*0.23765932*	*0.25335166*	*0.36683231*
Int SD	*11473.40000000*	*4486.16000000*	*12.36130000*	*85.33730000*	*347.00400000*	*2232.74000000*	*260.72900000*
RelInt Mean	0.02768660	5.15470000	-0.00008941	0.00114678	0.16993200	5.08000000	0.07903720
RelInt RSD	*1.15587685*	*0.02545153*	*38.92400816*	*9.14020126*	*0.24231575*	*0.30011811*	*0.26986280*
RelInt SD	*0.00032002*	*0.00131195*	*0.00003480*	*0.00010482*	*0.00041177*	*0.01524600*	*0.00021329*
Conc Mean	1.08876000[mg/l]	>421.69100000[mg/l]	<-0.00045061[mg/l]	0.00940180[mg/l]	0.50717300[mg/l]	>421.42000000[mg/l]	0.48017100[mg/l]
Conc RSD	*1.15705022*	*0.02545395*	*412.18074046*	*13.29479461*	*0.24201407*	*0.30027289*	*0.26988302*
Conc SD	*0.01259750[mg/l]*	*0.10733700[mg/l]*	*0.00185734[mg/l]*	*0.00124995[mg/l]*	*0.00122743[mg/l]*	*1.26541000[mg/l]*	*0.00129590[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	68030.80000000	507580	37321900	-150.52800000	369464	744702	13357.90000000
Int RSD	*0.47610935*	*1.59568147*	*0.53982514*	*50.19385098*	*0.20262651*	*0.25011615*	*0.98437629*
Int SD	*323.90100000*	*8099.36000000*	*201473*	*75.55580000*	*748.63200000*	*1862.62000000*	*131.49200000*
RelInt Mean	0.07457560	0.01831340	45.28480000	-0.00051878	2.12053000	0.89231700	-0.00052830
RelInt RSD	*0.57350393*	*1.15089497*	*0.37894834*	*59.41362427*	*0.31753571*	*0.24491745*	*39.04558558*
RelInt SD	*0.00042769*	*0.00021077*	*0.17160600*	*0.00030823*	*0.00673344*	*0.00218544*	*0.00020628*
Conc Mean	0.50336100[mg/l]	0.55057900[mg/l]	>143.07000000[mg/l]	0.03019770[mg/l]	>429.53500000[mg/l]	0.50710800[mg/l]	<-0.00539254[mg/l]
Conc RSD	*0.57377111*	*1.16396012*	*0.37889355*	*80.44553062*	*0.31761323*	*0.24488472*	*27.39988948*
Conc SD	*0.00288814[mg/l]*	*0.00640852[mg/l]*	*0.54208300[mg/l]*	*0.02429270[mg/l]*	*1.36426000[mg/l]*	*0.00124183[mg/l]*	*0.00147755[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	6185.86000000	84853.40000000	39370.10000000	15688.00000000	10411.40000000	9026.95000000	3799.22000000
Int RSD	*1.15909348*	*0.42085644*	*0.37445676*	*1.06842810*	*1.51779780*	*0.43613181*	*5.42545575*
Int SD	*71.69990000*	*357.11100000*	*147.42400000*	*167.61500000*	*158.02400000*	*39.36940000*	*206.12500000*
RelInt Mean	0.01125790	0.09525690	0.03367580	0.00008677	-0.00050563	0.00016269	0.01994750
RelInt RSD	*3.73916094*	*0.35152624*	*0.86487032*	*180.30818168*	*29.01195136*	*38.59917635*	*5.82353678*
RelInt SD	*0.00042095*	*0.00033485*	*0.00029125*	*0.00015645*	*0.00014669*	*0.00006280*	*0.00116165*
Conc Mean	0.03481290[mg/l]	0.94134000[mg/l]	0.98725700[mg/l]	<0.00371996[mg/l]	<-0.03581470[mg/l]	0.00292880[mg/l]	0.01817290[mg/l]
Conc RSD	*13.30756702*	*0.35228398*	*0.93764542*	*225.41747761*	*27.88600770*	*39.15835837*	*5.56862141*
Conc SD	*0.00463275[mg/l]*	*0.00331619[mg/l]*	*0.00925697[mg/l]*	*0.00838544[mg/l]*	*0.00998729[mg/l]*	*0.00114687[mg/l]*	*0.00101198[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	44576.80000000	9115.57000000	89142.80000000	831214	25930700	173833	206184
Int RSD	*0.43755047*	*1.45001355*	*1.41791597*	*0.16176701*	*0.63487681*	*0.52310206*	*0.12080520*
Int SD	*195.04600000*	*132.17700000*	*1263.97000000*	*1344.63000000*	*164628*	*909.32400000*	*249.08100000*
RelInt Mean	0.00026427	0.00001225	0.00306124	---	---	---	0.23232800
RelInt RSD	*0.89176016*	*1036.89669253*	*1.04368491*	---	---	---	*0.16470464*
RelInt SD	*0.00000236*	*0.00012697*	*0.00003195*	---	---	---	*0.00038266*
Conc Mean	0.00156545[mg/l]	<0.00532980[mg/l]	0.53137400[mg/l]	823903	25865600	173414	0.94789000[mg/l]
Conc RSD	*1.33951899*	*108.51851852*	*1.05187495*	---	---	---	*0.16496323*
Conc SD	*0.00002097[mg/l]*	*0.00578382[mg/l]*	*0.00558939[mg/l]*	*1332.38000000*	*164404*	*899.77700000*	*0.00156367[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	22737.40000000	2826.73000000	8698.23000000	7588.06000000	230989	8160.94000000	
Int RSD	*1.91348615*	*0.46966990*	*0.84664351*	*1.12280477*	*0.36545636*	*0.27999838*	
Int SD	*435.07700000*	*13.27630000*	*73.64300000*	*85.19910000*	*844.16400000*	*22.85050000*	
RelInt Mean	0.13000900	0.00130495	0.00196561	0.00082810	0.27177200	-0.00013635	
RelInt RSD	*1.94001185*	*68.91459443*	*7.60420429*	*11.37505842*	*0.46184670*	*34.09459271*	
RelInt SD	*0.00252219*	*0.00089930*	*0.00014947*	*0.00009420*	*0.00125517*	*0.00004649*	
Conc Mean	0.52856400[mg/l]	<0.00111094[mg/l]	<0.00947620[mg/l]	<0.00739283[mg/l]	1.05369000[mg/l]	<-0.00600555[mg/l]	
Conc RSD	*1.93350285*	*126.19133347*	*24.26352335*	*47.38266672*	*0.46233237*	*75.53846026*	
Conc SD	*0.01021980[mg/l]*	*0.00140191[mg/l]*	*0.00229926[mg/l]*	*0.00350292[mg/l]*	*0.00487155[mg/l]*	*0.00453650[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627016	File:	met06_master	Time:	21-NOV-2022 11:20
Cal:	482468627001	Caldate:	21-NOV-2022		

Standards: S17207, S13369 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[-0.009171]	0.003333	mg/l	a- ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	140.9	mg/l	88	
Aluminum	R	400.0	402.5	mg/l	101	
Calcium	R	400.0	403.1	mg/l	101	
Magnesium	R	400.0	409.3	mg/l	102	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29007000	26072200	-10.12
Yttrium	A	893080	816676	-8.56
Yttrium	R	179033	175464	-1.99

-=low bias a=ICSA

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: ICSA,S17207			Sample Type: Control Sample
Measure Date: 2022-11-21 11:20:23	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	33208.20000000	870185	8609.36000000	7565.20000000	6197.27000000	851120	5929.31000000
Int RSD	*0.69518673*	*1.26505283*	*0.57770729*	*1.49407815*	*0.55515090*	*1.30350597*	*0.25116751*
Int SD	*230.85900000*	*11008.30000000*	*49.73690000*	*113.03000000*	*34.40420000*	*11094.40000000*	*14.89250000*
RelInt Mean	0.00002319	4.92043000	-0.00019139	0.00088221	0.00033068	4.85899000	0.00022461
RelInt RSD	*57.63695470*	*0.24087732*	*29.30215061*	*19.75935435*	*17.61815191*	*0.25771611*	*14.64997106*
RelInt SD	*0.00001337*	*0.01185220*	*0.00005608*	*0.00017432*	*0.00005826*	*0.01252240*	*0.00003291*
Conc Mean	<-0.00013354[mg/l]	>402.51800000[mg/l]	<-0.00544237[mg/l]	0.00624685[mg/l]	0.00058497[mg/l]	>403.08300000[mg/l]	<0.00125087[mg/l]
Conc RSD	*394.04069223*	*0.24096984*	*54.97807022*	*33.27517069*	*30.01259892*	*0.25786997*	*15.98751269*
Conc SD	*0.00052620[mg/l]*	*0.96994700[mg/l]*	*0.00299211[mg/l]*	*0.00207865[mg/l]*	*0.00017557[mg/l]*	*1.03943000[mg/l]*	*0.00019998[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	5845.44000000	38846.80000000	36101200	-98.57170000	355525	11809.80000000	12919.70000000
Int RSD	*0.72071906*	*1.36370306*	*0.22431914*	*58.19388323*	*1.27859925*	*2.50412369*	*0.41986037*
Int SD	*42.12920000*	*529.75500000*	*80981.90000000*	*57.36270000*	*4545.74000000*	*295.73200000*	*54.24470000*
RelInt Mean	-0.00074263	0.00023561	44.60640000	-0.00023577	2.02081000	0.00305553	-0.00061017
RelInt RSD	*2.64793132*	*11.37534698*	*2.58765558*	*49.63672685*	*0.39402715*	*14.58359106*	*13.71094333*
RelInt SD	*0.00001966*	*0.00002680*	*1.15426000*	*0.00011703*	*0.00796254*	*0.00044561*	*0.00008366*
Conc Mean	<-0.00520072[mg/l]	<0.00099189[mg/l]	>140.92600000[mg/l]	0.05250270[mg/l]	>409.33800000[mg/l]	0.00170403[mg/l]	<-0.00597895[mg/l]
Conc RSD	*2.55303112*	*82.14415337*	*2.58808169*	*17.56802983*	*0.39402890*	*14.86235571*	*10.02261267*
Conc SD	*0.00013278[mg/l]*	*0.00081478[mg/l]*	*3.64728000[mg/l]*	*0.00922369[mg/l]*	*1.61291000[mg/l]*	*0.00025326[mg/l]*	*0.00059925[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	5766.98000000	6038.17000000	13555.40000000	15340.20000000	10202.30000000	8828.08000000	3638.88000000
Int RSD	*3.39839916*	*0.38465959*	*1.10436431*	*0.37066857*	*0.55498172*	*0.83767252*	*2.89028492*
Int SD	*195.98500000*	*23.22640000*	*149.70100000*	*56.86130000*	*56.62090000*	*73.95040000*	*105.17400000*
RelInt Mean	0.00927374	-0.00025726	0.00215416	0.00006311	-0.00044467	0.00007958	0.01881210
RelInt RSD	*6.50048416*	*9.67954598*	*11.42654213*	*165.05634285*	*9.68536359*	*120.47064796*	*2.83513271*
RelInt SD	*0.00060284*	*0.00002490*	*0.00024615*	*0.00010417*	*0.00004307*	*0.00009587*	*0.00053335*
Conc Mean	<0.01297780[mg/l]	<-0.00461723[mg/l]	<-0.00917059[mg/l]	<0.00543312[mg/l]	<-0.03166430[mg/l]	<0.00141087[mg/l]	0.01718380[mg/l]
Conc RSD	*51.11767788*	*5.34134102*	*84.22685999*	*102.94618930*	*9.26020787*	*124.09364435*	*2.70415740*
Conc SD	*0.00663395[mg/l]*	*0.00024662[mg/l]*	*0.00772410[mg/l]*	*0.00559319[mg/l]*	*0.00293218[mg/l]*	*0.00175080[mg/l]*	*0.00046468[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	43852.00000000	8788.64000000	10077.10000000	816676	26072200	175464	15035.90000000
Int RSD	*0.24571513*	*1.03556637*	*1.03857261*	*2.34627931*	*0.34127308*	*1.09432134*	*1.48692795*
Int SD	*107.75100000*	*91.01220000*	*104.65800000*	*19161.50000000*	*88977.40000000*	*1920.14000000*	*223.57300000*
RelInt Mean	0.00022837	-0.00007028	0.00001245	---	---	---	0.00078144
RelInt RSD	*2.06803841*	*229.59748446*	*8.80507440*	---	---	---	*30.06601940*
RelInt SD	*0.00000472*	*0.00016137*	*0.00000110*	---	---	---	*0.00023495*
Conc Mean	0.00124612[mg/l]	<0.00157216[mg/l]	<-0.00203056[mg/l]	809404	26007300	175109	0.00231995[mg/l]
Conc RSD	*3.37165763*	*467.57581926*	*9.44995469*	---	---	---	*41.37007263*
Conc SD	*0.00004201[mg/l]*	*0.00735104[mg/l]*	*0.00019189[mg/l]*	*19145.50000000*	*88470.40000000*	*1859.39000000*	*0.00095977[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-52.40380000	2761.70000000	8390.92000000	7147.27000000	6182.36000000	7975.33000000	
Int RSD	*306.38236158*	*2.60950502*	*2.45327092*	*1.09345666*	*0.29551175*	*0.36315362*	
Int SD	*160.55600000*	*72.06670000*	*205.85200000*	*78.15230000*	*18.26960000*	*28.96270000*	
RelInt Mean	-0.00115065	0.00131723	0.00160538	0.00041074	-0.00053874	-0.00021774	
RelInt RSD	*52.28253596*	*41.19273020*	*20.94999315*	*16.68129075*	*7.88889673*	*25.06806283*	
RelInt SD	*0.00060159*	*0.00054260*	*0.00033633*	*0.00006852*	*0.00004250*	*0.00005458*	
Conc Mean	<-0.00283576[mg/l]	<0.00113007[mg/l]	<0.00395510[mg/l]	<-0.00812766[mg/l]	<-0.00240766[mg/l]	<-0.01394750[mg/l]	
Conc RSD	*85.95085621*	*74.84996505*	*130.97873632*	*31.34838318*	*7.28836297*	*38.18877935*	
Conc SD	*0.00243736[mg/l]*	*0.00084586[mg/l]*	*0.00518034[mg/l]*	*0.00254789[mg/l]*	*0.00017548[mg/l]*	*0.00532638[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627053	File:	met06_master	Time:	21-NOV-2022 13:56
Cal:	482468627001	Caldate:	21-NOV-2022		

Standards: S17413, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0256	0.0335	1.000	1.066	mg/l	7	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29007000	26359800	-9.13
Yttrium	A	893080	829129	-7.16
Yttrium	R	179033	168480	-5.89

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17413			Sample Type: Control Sample
Measure Date: 2022-11-21 13:56:49	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	379747	3866.88000000	20308.90000000	81152.90000000	298300	202756	148890
Int RSD	*1.46370347*	*3.07237359*	*0.25366071*	*0.33356171*	*0.43039557*	*0.63920180*	*0.32109477*
Int SD	*5558.37000000*	*118.80500000*	*51.51570000*	*270.69500000*	*1283.87000000*	*1296.02000000*	*478.07800000*
RelInt Mean	0.01316210	0.01543780	0.02153440	0.09244260	0.35600600	1.20522000	0.17454500
RelInt RSD	*2.10719414*	*2.97575432*	*0.27759120*	*0.35649473*	*0.21256439*	*0.38381374*	*0.14995674*
RelInt SD	*0.00027735*	*0.00045939*	*0.00005978*	*0.00032955*	*0.00075674*	*0.00462580*	*0.00026174*
Conc Mean	0.51704300[mg/l]	1.09548000[mg/l]	1.15279000[mg/l]	1.09806000[mg/l]	1.05890000[mg/l]	99.93350000[mg/l]	1.05871000[mg/l]
Conc RSD	*2.11164255*	*3.43176507*	*0.27665490*	*0.35831193*	*0.21444612*	*0.38419149*	*0.15334322*
Conc SD	*0.01091810[mg/l]*	*0.03759430[mg/l]*	*0.00318925[mg/l]*	*0.00393448[mg/l]*	*0.00227077[mg/l]*	*0.38393600[mg/l]*	*0.00162346[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	133591	910273	292193	228673	88565.10000000	1547050	130203
Int RSD	*0.10371282*	*1.90538443*	*0.36868440*	*1.52134270*	*0.87006281*	*0.30047962*	*0.83494236*
Int SD	*138.55100000*	*17344.20000000*	*1077.27000000*	*3478.90000000*	*770.57200000*	*4648.57000000*	*1087.12000000*
RelInt Mean	0.15603500	0.03335240	0.34764800	1.35712000	0.52101000	1.87231000	0.15423200
RelInt RSD	*0.32650046*	*2.38945023*	*0.46660990*	*1.25893805*	*0.49318823*	*0.68554353*	*0.42988096*
RelInt SD	*0.00050946*	*0.00079694*	*0.00162216*	*0.01708530*	*0.00256956*	*0.01283550*	*0.00066301*
Conc Mean	1.05339000[mg/l]	1.00779000[mg/l]	1.08981000[mg/l]	107.03200000[mg/l]	105.60200000[mg/l]	1.06408000[mg/l]	1.10314000[mg/l]
Conc RSD	*0.32680868*	*2.40424096*	*0.47007552*	*1.25789484*	*0.49282684*	*0.68537046*	*0.43044672*
Conc SD	*0.00344257[mg/l]*	*0.02422970[mg/l]*	*0.00512293[mg/l]*	*1.34635000[mg/l]*	*0.52043500[mg/l]*	*0.00729289[mg/l]*	*0.00474843[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	1355560	91285.30000000	32801.90000000	20395.60000000	15122.10000000	243879	204083
Int RSD	*0.47822302*	*0.55395666*	*0.36704276*	*0.40132529*	*1.28673266*	*0.46657154*	*0.67849355*
Int SD	*6482.60000000*	*505.68100000*	*120.39700000*	*81.85270000*	*194.58100000*	*1137.87000000*	*1384.69000000*
RelInt Mean	8.01182000	0.10420300	0.03350350	0.02043560	0.01513560	0.29331400	1.21183000
RelInt RSD	*0.86770422*	*0.41787664*	*0.38162282*	*0.36606314*	*1.10826132*	*0.09076110*	*0.54745550*
RelInt SD	*0.06951890*	*0.00043544*	*0.00012786*	*0.00007481*	*0.00016774*	*0.00026621*	*0.00663423*
Conc Mean	88.07780000[mg/l]	1.02994000[mg/l]	1.06577000[mg/l]	1.09320000[mg/l]	1.02908000[mg/l]	5.35678000[mg/l]	1.05650000[mg/l]
Conc RSD	*0.86861956*	*0.41833990*	*0.37994595*	*0.36746615*	*1.10977767*	*0.09067313*	*0.54748225*
Conc SD	*0.76506100[mg/l]*	*0.00430865[mg/l]*	*0.00404935[mg/l]*	*0.00401714[mg/l]*	*0.01142050[mg/l]*	*0.00485716[mg/l]*	*0.00578415[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	3210120	22095.60000000	169291	829129	26359800	168480	220294
Int RSD	*1.76546360*	*0.20959105*	*1.58052111*	*0.45215160*	*0.66465224*	*0.37477505*	*0.49905581*
Int SD	*56673.50000000*	*46.31040000*	*2675.68000000*	*3748.92000000*	*175201*	*631.42100000*	*1099.39000000*
RelInt Mean	0.12046700	0.02373770	0.00613567	---	---	---	0.26338700
RelInt RSD	*2.29497705*	*0.35208761*	*2.08053888*	---	---	---	*0.37998079*
RelInt SD	*0.00276469*	*0.00008358*	*0.00012765*	---	---	---	*0.00100082*
Conc Mean	1.07090000[mg/l]	1.08062000[mg/l]	1.06883000[mg/l]	822933	26304600	168098	1.07448000[mg/l]
Conc RSD	*2.29625549*	*0.35282801*	*2.08933132*	---	---	---	*0.38078978*
Conc SD	*0.02459060[mg/l]*	*0.00381273[mg/l]*	*0.02233140[mg/l]*	*3716.15000000*	*175670*	*656.63100000*	*0.00409151[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	42716.50000000	135805	315683	133738	233578	52548.30000000	
Int RSD	*0.79593131*	*1.16938993*	*0.41813465*	*0.44834079*	*0.33577220*	*0.74344555*	
Int SD	*339.99400000*	*1588.09000000*	*1319.98000000*	*599.60200000*	*784.29000000*	*390.66800000*	
RelInt Mean	0.25315600	0.78570700	0.37674000	0.15899300	0.27727800	0.06003560	
RelInt RSD	*0.73486309*	*0.91803688*	*0.19939667*	*0.01667627*	*0.12754131*	*0.42234441*	
RelInt SD	*0.00186035*	*0.00721308*	*0.00075121*	*0.00002651*	*0.00035364*	*0.00025356*	
Conc Mean	1.02750000[mg/l]	1.22391000[mg/l]	5.74226000[mg/l]	5.88906000[mg/l]	1.07085000[mg/l]	5.86570000[mg/l]	
Conc RSD	*0.73366910*	*0.91873585*	*0.20244120*	*0.01673462*	*0.12727086*	*0.42176040*	
Conc SD	*0.00753845[mg/l]*	*0.01124450[mg/l]*	*0.01162470[mg/l]*	*0.00098551[mg/l]*	*0.00136288[mg/l]*	*0.02473920[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627054	File:	met06_master	Time:	21-NOV-2022 14:00
Cal:	482468627001	Caldate:	21-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	H	29007000	28980800	-0.09
Yttrium	A	893080	891755	-0.15
Yttrium	R	179033	168546	-5.86

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-11-21 14:00:04	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	32516.10000000	823.01000000	2085.95000000	4629.28000000	4930.87000000	164.31500000	4480.54000000
Int RSD	*0.48173366*	*12.79899394*	*1.46957981*	*0.40739381*	*1.80385409*	*121.88844597*	*0.35447513*
Int SD	*156.64100000*	*105.33700000*	*30.65470000*	*18.85940000*	*88.94570000*	*200.28100000*	*15.88240000*
RelInt Mean	0.00003547	0.00309606	-0.00010595	0.00024035	0.00033604	0.00041597	0.00002084
RelInt RSD	*9.82141296*	*32.20221830*	*18.50992940*	*5.76506370*	*33.32311639*	*109.70336732*	*110.88546015*
RelInt SD	*0.00000348*	*0.00099700*	*0.00001961*	*0.00001386*	*0.00011198*	*0.00045633*	*0.00002311*
Conc Mean	<0.00034957[mg/l]	<0.08543530[mg/l]	<-0.00088904[mg/l]	<-0.00140704[mg/l]	<0.00055388[mg/l]	<-0.02773710[mg/l]	<0.00000197[mg/l]
Conc RSD	*39.22344373*	*95.50396616*	*117.68298650*	*11.74344724*	*58.25068833*	*136.50057144*	*7017.22905674*
Conc SD	*0.00013711[mg/l]*	*0.08159410[mg/l]*	*0.00104625[mg/l]*	*0.00016523[mg/l]*	*0.00032264[mg/l]*	*0.03786130[mg/l]*	*0.00013844[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	4402.89000000	38159.70000000	8636.90000000	-89.99850000	543.51700000	5652.22000000	3872.74000000
Int RSD	*0.84025947*	*5.29105313*	*7.36051129*	*72.21664806*	*6.37087708*	*3.71779584*	*9.52271518*
Int SD	*36.99570000*	*2019.05000000*	*635.72000000*	*64.99390000*	*34.62680000*	*210.13800000*	*368.79000000*
RelInt Mean	0.00013842	0.00031677	0.00370275	-0.00035967	-0.00070471	0.00043302	0.00118557
RelInt RSD	*30.93767384*	*23.94832877*	*19.34567551*	*63.05960397*	*29.58046275*	*56.81198847*	*38.08783960*
RelInt SD	*0.00004282*	*0.00007586*	*0.00071632*	*0.00022681*	*0.00020846*	*0.00024600*	*0.00045156*
Conc Mean	0.00074823[mg/l]	<0.00345945[mg/l]	<0.00310767[mg/l]	0.04273750[mg/l]	<-0.05444850[mg/l]	0.00021354[mg/l]	0.00688371[mg/l]
Conc RSD	*38.64379325*	*66.66637760*	*72.82723069*	*41.82720094*	*77.53363270*	*65.47393265*	*46.98759826*
Conc SD	*0.00028915[mg/l]*	*0.00230629[mg/l]*	*0.00226323[mg/l]*	*0.01787590[mg/l]*	*0.04221590[mg/l]*	*0.00013982[mg/l]*	*0.00323449[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	4829.75000000	4921.32000000	4630.91000000	3219.95000000	2347.91000000	2875.27000000	196.98400000
Int RSD	*2.54348569*	*0.66740427*	*1.13440771*	*2.73433438*	*0.73235771*	*9.92052920*	*43.73304431*
Int SD	*122.84400000*	*32.84510000*	*52.53340000*	*88.04420000*	*17.19510000*	*285.24200000*	*86.14710000*
RelInt Mean	0.00256110	0.00018383	-0.00006947	0.00010689	0.00000912	0.00088012	-0.00061106
RelInt RSD	*8.94529694*	*20.33258989*	*92.99785245*	*106.69024297*	*470.73970500*	*36.52757137*	*66.37378715*
RelInt SD	*0.00022910*	*0.00003738*	*0.00006461*	*0.00011404*	*0.00004292*	*0.00032149*	*0.00040558*
Conc Mean	<-0.06089210[mg/l]	<-0.00024874[mg/l]	<0.00062597[mg/l]	<0.00774881[mg/l]	<-0.00076907[mg/l]	0.01603120[mg/l]	<0.00026294[mg/l]
Conc RSD	*4.14037289*	*148.81966053*	*327.98913695*	*79.01019640*	*379.99141821*	*36.62439493*	*134.37933802*
Conc SD	*0.00252116[mg/l]*	*0.00037018[mg/l]*	*0.00205313[mg/l]*	*0.00612235[mg/l]*	*0.00292240[mg/l]*	*0.00587133[mg/l]*	*0.00035333[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	61678.80000000	2175.97000000	8077.53000000	891755	28980800	168546	3603.51000000
Int RSD	*8.17598591*	*2.24531588*	*5.76959788*	*0.14754389*	*0.12093662*	*0.99824380*	*1.63725645*
Int SD	*5042.85000000*	*48.85740000*	*466.04100000*	*1315.73000000*	*35048.40000000*	*1682.50000000*	*58.99870000*
RelInt Mean	0.00092683	0.00003605	0.00005296	---	---	---	0.00072016
RelInt RSD	*19.42468476*	*128.04398665*	*34.23555092*	---	---	---	*6.81790221*
RelInt SD	*0.00018003*	*0.00004616*	*0.00001813*	---	---	---	*0.00004910*
Conc Mean	0.00745973[mg/l]	0.00636668[mg/l]	<0.00505214[mg/l]	885956	28927700	168176	0.00206663[mg/l]
Conc RSD	*21.47021407*	*32.83548097*	*62.76172078*	---	---	---	*9.69772044*
Conc SD	*0.00160162[mg/l]*	*0.00209053[mg/l]*	*0.00317081[mg/l]*	*1297.46000000*	*35107.40000000*	*1687.80000000*	*0.00020042[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	-9.76427000	2926.50000000	5484.76000000	2688.21000000	4536.43000000	2595.47000000	
Int RSD	*270.00994442*	*1.95259525*	*0.37351680*	*3.26150487*	*0.45288255*	*1.14075678*	
Int SD	*26.36450000*	*57.14270000*	*20.48650000*	*87.67610000*	*20.54470000*	*29.60800000*	
RelInt Mean	-0.00090900	0.00154398	0.00093322	0.00056639	0.00010597	-0.00000903	
RelInt RSD	*9.17931883*	*34.21346131*	*6.40550393*	*18.74949240*	*16.67182531*	*456.07598147*	
RelInt SD	*0.00008344*	*0.00052825*	*0.00005978*	*0.00010620*	*0.00001767*	*0.00004118*	
Conc Mean	<-0.00185670[mg/l]	<0.00148354[mg/l]	<-0.00666088[mg/l]	<-0.00233932[mg/l]	<0.00007620[mg/l]	<0.00641891[mg/l]	
Conc RSD	*18.20843432*	*55.50783936*	*13.00039935*	*168.81315938*	*89.55366469*	*62.60580067*	
Conc SD	*0.00033808[mg/l]*	*0.00082348[mg/l]*	*0.00086594[mg/l]*	*0.00394908[mg/l]*	*0.00006824[mg/l]*	*0.00401861[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627065	File:	met06_master	Time:	21-NOV-2022 14:35
Cal:	482468627001	Caldate:	21-NOV-2022		

Standards: S17413, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0256	0.0328	1.000	1.042	mg/l	4	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29007000	27546600	-5.03
Yttrium	A	893080	881843	-1.26
Yttrium	R	179033	176092	-1.64

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17413	Sample Type: Control Sample		
Measure Date: 2022-11-21 14:35:56	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	390147	3901.36000000	21074.90000000	83766.70000000	308259	207944	153975
Int RSD	*1.34717940*	*3.55191523*	*0.43339565*	*0.08744143*	*0.19493348*	*0.37940551*	*0.12481247*
Int SD	*5255.98000000*	*138.57300000*	*91.33770000*	*73.24680000*	*600.90000000*	*788.95100000*	*192.18000000*
RelInt Mean	0.01296850	0.01484860	0.02108460	0.08989320	0.34595600	1.18259000	0.16987800
RelInt RSD	*1.56238578*	*6.48531175*	*0.35638475*	*0.36762180*	*0.25770214*	*0.64012972*	*0.56808180*
RelInt SD	*0.00020262*	*0.00096298*	*0.00007514*	*0.00033047*	*0.00089154*	*0.00757011*	*0.00096505*
Conc Mean	0.50942100[mg/l]	1.04726000[mg/l]	1.12882000[mg/l]	1.06766000[mg/l]	1.02899000[mg/l]	98.05560000[mg/l]	1.03038000[mg/l]
Conc RSD	*1.56564610*	*7.52515135*	*0.35508584*	*0.36878501*	*0.25914635*	*0.64028572*	*0.56942875*
Conc SD	*0.00797573[mg/l]*	*0.07880790[mg/l]*	*0.00400828[mg/l]*	*0.00393737[mg/l]*	*0.00266659[mg/l]*	*0.62783600[mg/l]*	*0.00586728[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	137191	937993	305810	233583	90823.00000000	1610190	134756
Int RSD	*0.24668455*	*1.59384985*	*0.67220169*	*0.43418399*	*0.50453630*	*0.18069793*	*0.54320476*
Int SD	*338.42900000*	*14950.20000000*	*2055.66000000*	*1014.18000000*	*458.23500000*	*2909.58000000*	*732.00100000*
RelInt Mean	0.15071100	0.03290990	0.34229700	1.32637000	0.51179200	1.83179000	0.15014400
RelInt RSD	*0.23985243*	*1.69306197*	*0.81622977*	*0.92455348*	*1.32060290*	*0.44826372*	*0.30353927*
RelInt SD	*0.00036148*	*0.00055719*	*0.00279393*	*0.01226300*	*0.00675874*	*0.00821125*	*0.00045575*
Conc Mean	1.01744000[mg/l]	0.99433100[mg/l]	1.07290000[mg/l]	104.60800000[mg/l]	103.73500000[mg/l]	1.04105000[mg/l]	1.07386000[mg/l]
Conc RSD	*0.23967703*	*1.70333621*	*0.82277006*	*0.92435569*	*1.31933292*	*0.44797656*	*0.30454249*
Conc SD	*0.00243857[mg/l]*	*0.01693680[mg/l]*	*0.00882750[mg/l]*	*0.96695000[mg/l]*	*1.36861000[mg/l]*	*0.00466366[mg/l]*	*0.00327036[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	1389170	94715.10000000	33936.60000000	21102.90000000	15841.90000000	252008	210131
Int RSD	*1.80052117*	*0.27094729*	*1.29161436*	*0.29722408*	*0.91154470*	*0.44560093*	*0.55112287*
Int SD	*25012.30000000*	*256.62800000*	*438.33000000*	*62.72290000*	*144.40600000*	*1122.95000000*	*1158.08000000*
RelInt Mean	7.85491000	0.10187000	0.03276310	0.02000650	0.01504170	0.28495300	1.19398000
RelInt RSD	*1.97275335*	*0.64654756*	*1.45830828*	*0.80878215*	*1.53591682*	*0.16836917*	*0.69548066*
RelInt SD	*0.15495800*	*0.00065864*	*0.00047779*	*0.00016181*	*0.00023103*	*0.00047977*	*0.00830390*
Conc Mean	86.35100000[mg/l]	1.00684000[mg/l]	1.04229000[mg/l]	1.07037000[mg/l]	1.02268000[mg/l]	5.20408000[mg/l]	1.04096000[mg/l]
Conc RSD	*1.97487001*	*0.64817647*	*1.45621660*	*0.81098499*	*1.53776352*	*0.16838788*	*0.69506129*
Conc SD	*1.70532000[mg/l]*	*0.00652610[mg/l]*	*0.01517800[mg/l]*	*0.00868054[mg/l]*	*0.01572640[mg/l]*	*0.00876304[mg/l]*	*0.00723531[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	3300240	22649.30000000	173999	881843	27546600	176092	227858
Int RSD	*2.13267217*	*0.15203516*	*1.88183265*	*0.44597961*	*0.18210923*	*0.95092338*	*0.26901447*
Int SD	*70383.30000000*	*34.43490000*	*3274.37000000*	*3932.84000000*	*50164.90000000*	*1674.50000000*	*612.97100000*
RelInt Mean	0.11853100	0.02291310	0.00604469	---	---	---	0.25620300
RelInt RSD	*2.26661380*	*0.30225548*	*2.07272830*	---	---	---	*0.17029153*
RelInt SD	*0.00268664*	*0.00006926*	*0.00012529*	---	---	---	*0.00043629*
Conc Mean	1.05369000[mg/l]	1.04318000[mg/l]	1.05292000[mg/l]	875601	27490400	175737	1.04516000[mg/l]
Conc RSD	*2.26860841*	*0.30275216*	*2.08165863*	---	---	---	*0.17037104*
Conc SD	*0.02390410[mg/l]*	*0.00315825[mg/l]*	*0.02191820[mg/l]*	*3914.00000000*	*50282.40000000*	*1709.39000000*	*0.00178065[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	43699.10000000	139816	330551	138351	241572	54976.50000000	
Int RSD	*0.94414988*	*0.90432425*	*0.56190724*	*0.23346777*	*0.23012684*	*0.61956109*	
Int SD	*412.58500000*	*1264.39000000*	*1857.39000000*	*323.00500000*	*555.92200000*	*340.61300000*	
RelInt Mean	0.24742900	0.77533000	0.37089600	0.15466800	0.26970600	0.05920680	
RelInt RSD	*1.13828613*	*1.56333432*	*0.46965457*	*0.24063219*	*0.24034171*	*0.81743482*	
RelInt SD	*0.00281645*	*0.01212100*	*0.00174193*	*0.00037218*	*0.00064822*	*0.00048398*	
Conc Mean	1.00430000[mg/l]	1.20773000[mg/l]	5.65314000[mg/l]	5.72823000[mg/l]	1.04157000[mg/l]	5.78482000[mg/l]	
Conc RSD	*1.13645325*	*1.56421551*	*0.47477508*	*0.24147599*	*0.24083163*	*0.81637458*	
Conc SD	*0.01141340[mg/l]*	*0.01889150[mg/l]*	*0.02683970[mg/l]*	*0.01383230[mg/l]*	*0.00250843[mg/l]*	*0.04722580[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627066	File:	met06_master	Time:	21-NOV-2022 14:39
Cal:	482468627001	Caldate:	21-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	H	29007000	29996400	3.41
Yttrium	A	893080	931147	4.26
Yttrium	R	179033	174071	-2.77

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1	Sample Type: Control Sample		
Measure Date: 2022-11-21 14:39:10	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	32258.50000000	750.39100000	2062.33000000	4486.75000000	4844.99000000	155.99500000	4422.59000000
Int RSD	*0.83021219*	*3.52366966*	*0.62805177*	*1.44957932*	*2.12830161*	*71.47729094*	*1.03069921*
Int SD	*267.81400000*	*26.44130000*	*12.95250000*	*65.03900000*	*103.11600000*	*111.50100000*	*45.58360000*
RelInt Mean	0.00004034	0.00244866	-0.00007991	0.00016818	0.00032550	0.00024946	0.00005640
RelInt RSD	*10.02748955*	*7.89068307*	*12.02490746*	*42.45084224*	*41.69866852*	*222.00085784*	*58.30713611*
RelInt SD	*0.00000405*	*0.00019322*	*0.00000961*	*0.00007140*	*0.00013573*	*0.00055381*	*0.00003288*
Conc Mean	<0.00054148[mg/l]	<0.03245220[mg/l]	<0.00050018[mg/l]	<-0.00226755[mg/l]	<0.00051927[mg/l]	<-0.04155190[mg/l]	<0.00021720[mg/l]
Conc RSD	*29.40745187*	*48.72551013*	*102.43350447*	*37.54501555*	*75.42507198*	*110.58218758*	*92.03740280*
Conc SD	*0.00015923[mg/l]*	*0.01581250[mg/l]*	*0.00051236[mg/l]*	*0.00085135[mg/l]*	*0.00039166[mg/l]*	*0.04594900[mg/l]*	*0.00019991[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	4315.39000000	39251.20000000	9079.65000000	-193.94400000	458.56400000	5601.53000000	3938.37000000
Int RSD	*1.30815291*	*7.97802360*	*8.39153492*	*24.17909293*	*23.48592563*	*5.13159797*	*11.92970696*
Int SD	*56.45190000*	*3131.47000000*	*761.92200000*	*46.89390000*	*107.69800000*	*287.44800000*	*469.83600000*
RelInt Mean	0.00012584	0.00034966	0.00415726	-0.00052763	-0.00059945	0.00046085	0.00130463
RelInt RSD	*59.37117564*	*29.66876773*	*20.63888234*	*44.93019783*	*124.73317207*	*67.30258889*	*40.20887148*
RelInt SD	*0.00007471*	*0.00010374*	*0.00085801*	*0.00023707*	*0.00074771*	*0.00031017*	*0.00052458*
Conc Mean	<0.00066329[mg/l]	<0.00445939[mg/l]	<0.00454368[mg/l]	0.02949980[mg/l]	<-0.03313250[mg/l]	0.00022936[mg/l]	0.00773654[mg/l]
Conc RSD	*76.05432290*	*70.72424704*	*59.66309247*	*63.33703957*	*457.02859730*	*76.85600181*	*48.56822300*
Conc SD	*0.00050446[mg/l]*	*0.00315387[mg/l]*	*0.00271090[mg/l]*	*0.01868430[mg/l]*	*0.15142500[mg/l]*	*0.00017628[mg/l]*	*0.00375750[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	4753.98000000	4885.65000000	4545.72000000	3160.55000000	2324.81000000	2949.39000000	202.21800000
Int RSD	*4.97086652*	*0.18628719*	*0.29429661*	*0.92986980*	*1.23770545*	*11.78148702*	*17.99276029*
Int SD	*236.31400000*	*9.10134000*	*13.37790000*	*29.38900000*	*28.77430000*	*347.48200000*	*36.38460000*
RelInt Mean	0.00305763	0.00025186	-0.00006112	0.00008972	0.00004488	0.00095185	-0.00049222
RelInt RSD	*13.04503815*	*5.15004129*	*18.94871187*	*43.55481746*	*72.82620078*	*39.71701394*	*85.13475627*
RelInt SD	*0.00039887*	*0.00001297*	*0.00001158*	*0.00003908*	*0.00003269*	*0.00037805*	*0.00041905*
Conc Mean	<-0.05542800[mg/l]	<0.00042505[mg/l]	<0.00090180[mg/l]	0.00682749[mg/l]	<0.00166574[mg/l]	0.01734120[mg/l]	<0.00036646[mg/l]
Conc RSD	*7.91915638*	*30.22343201*	*40.65366826*	*30.71026102*	*133.59167697*	*39.81396904*	*99.61797170*
Conc SD	*0.00438943[mg/l]*	*0.00012847[mg/l]*	*0.00036662[mg/l]*	*0.00209674[mg/l]*	*0.00222529[mg/l]*	*0.00690422[mg/l]*	*0.00036506[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	63774.00000000	2154.60000000	8266.43000000	931147	29996400	174071	3737.40000000
Int RSD	*10.26372817*	*2.72546644*	*6.47921775*	*0.42403509*	*0.89833447*	*0.20192106*	*0.50985712*
Int SD	*6545.59000000*	*58.72290000*	*535.60000000*	*3948.39000000*	*269468*	*351.48600000*	*19.05540000*
RelInt Mean	0.00098121	0.00003304	0.00006030	---	---	---	0.00087695
RelInt RSD	*22.78139405*	*197.03482424*	*36.24611302*	---	---	---	*2.63341186*
RelInt SD	*0.00022353*	*0.00006510*	*0.00002186*	---	---	---	*0.00002309*
Conc Mean	0.00794352[mg/l]	0.00622619[mg/l]	0.00633581[mg/l]	925444	29943400	173742	0.00270713[mg/l]
Conc RSD	*25.03424175*	*47.39784684*	*60.33072330*	---	---	---	*3.47841810*
Conc SD	*0.00198860[mg/l]*	*0.00295108[mg/l]*	*0.00382244[mg/l]*	*3946.06000000*	*269416*	*307.19800000*	*0.00009417[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	83.48970000	2697.36000000	5401.98000000	2691.19000000	4432.55000000	2552.64000000	
Int RSD	*143.29432253*	*4.63753448*	*0.51235843*	*1.18641196*	*0.52538381*	*0.94882945*	
Int SD	*119.63600000*	*125.09100000*	*27.67750000*	*31.92860000*	*23.28790000*	*24.22020000*	
RelInt Mean	-0.00055277	0.00117381	0.00090662	0.00056103	0.00009661	-0.00002014	
RelInt RSD	*110.37543848*	*28.69075915*	*1.67663594*	*7.99258864*	*22.40032460*	*252.48458613*	
RelInt SD	*0.00061012*	*0.00033677*	*0.00001520*	*0.00004484*	*0.00002164*	*0.00005086*	
Conc Mean	<-0.00041339[mg/l]	<0.00090650[mg/l]	<-0.00708882[mg/l]	<-0.00253876[mg/l]	<0.00003485[mg/l]	<0.00533431[mg/l]	
Conc RSD	*597.96318247*	*57.91454127*	*3.73591091*	*65.68167137*	*236.28991064*	*93.04127432*	
Conc SD	*0.00247192[mg/l]*	*0.00052499[mg/l]*	*0.00026483[mg/l]*	*0.00166750[mg/l]*	*0.00008234[mg/l]*	*0.00496311[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627077	File:	met06_master	Time:	21-NOV-2022 15:15
Cal:	482468627001	Caldate:	21-NOV-2022		

Standards: S17413, S13369 (100X)

Analyte	Ch	Avg RF/CF	RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0256	0.0319	1.000	1.016	mg/l	2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	29007000	28013700	-3.42
Yttrium	A	893080	900268	0.80
Yttrium	R	179033	177248	-1.00

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCV,S17413	Sample Type: Control Sample		
Measure Date: 2022-11-21 15:15:03	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	387459	3816.22000000	20782.10000000	83526.10000000	309225	205248	154198
Int RSD	*0.91185906*	*1.68595364*	*0.46199999*	*0.49874949*	*0.27121772*	*0.79438046*	*0.40462068*
Int SD	*3533.08000000*	*64.33970000*	*96.01330000*	*416.58600000*	*838.67300000*	*1630.45000000*	*623.91700000*
RelInt Mean	0.01263390	0.01491350	0.02031340	0.08768030	0.33986900	1.16001000	0.16654300
RelInt RSD	*2.09109618*	*3.56739196*	*0.70995993*	*0.42258181*	*0.13571700*	*0.23208765*	*0.19196124*
RelInt SD	*0.00026419*	*0.00053202*	*0.00014422*	*0.00037052*	*0.00046126*	*0.00269224*	*0.00031970*
Conc Mean	0.49625000[mg/l]	1.05256000[mg/l]	1.08769000[mg/l]	1.04127000[mg/l]	1.01089000[mg/l]	96.18310000[mg/l]	1.01016000[mg/l]
Conc RSD	*2.09543577*	*4.13667629*	*0.70690454*	*0.42416088*	*0.13287103*	*0.23235475*	*0.18913439*
Conc SD	*0.01039860[mg/l]*	*0.04354100[mg/l]*	*0.00768893[mg/l]*	*0.00441666[mg/l]*	*0.00134318[mg/l]*	*0.22348600[mg/l]*	*0.00191056[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	137288	923982	300597	224182	89006.80000000	1597550	134916
Int RSD	*0.24315308*	*1.28867229*	*0.49011800*	*0.86146078*	*0.72995771*	*0.60510469*	*0.43834460*
Int SD	*333.82000000*	*11907.10000000*	*1473.28000000*	*1931.24000000*	*649.71200000*	*9666.85000000*	*591.39700000*
RelInt Mean	0.14761800	0.03184830	0.32932000	1.26466000	0.49804700	1.77998000	0.14721400
RelInt RSD	*0.58628284*	*2.42290169*	*0.18968359*	*0.54143643*	*1.48469120*	*0.37918965*	*0.86054995*
RelInt SD	*0.00086546*	*0.00077165*	*0.00062467*	*0.00684733*	*0.00739446*	*0.00674950*	*0.00126685*
Conc Mean	0.99655700[mg/l]	0.96205700[mg/l]	1.03190000[mg/l]	99.74460000[mg/l]	100.95200000[mg/l]	1.01161000[mg/l]	1.05287000[mg/l]
Conc RSD	*0.58663478*	*2.43848337*	*0.19138870*	*0.54113305*	*1.48355654*	*0.37929736*	*0.86195352*
Conc SD	*0.00584615[mg/l]*	*0.02345960[mg/l]*	*0.00197494[mg/l]*	*0.53975100[mg/l]*	*1.49768000[mg/l]*	*0.00383701[mg/l]*	*0.00907525[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	1306610	94749.20000000	33871.30000000	21059.10000000	15806.10000000	253365	207035
Int RSD	*2.30059467*	*0.54299772*	*0.10741099*	*0.38470732*	*0.09762813*	*0.20836461*	*0.42976453*
Int SD	*30059.80000000*	*514.48600000*	*36.38150000*	*81.01590000*	*15.43120000*	*527.92300000*	*889.76300000*
RelInt Mean	7.33406000	0.09972420	0.03194430	0.01948160	0.01464110	0.28060500	1.16896000
RelInt RSD	*2.46066981*	*0.89170231*	*0.51600442*	*0.63646210*	*0.35313125*	*0.47810980*	*0.42067650*
RelInt SD	*0.18046700*	*0.00088924*	*0.00016483*	*0.00012399*	*0.00005170*	*0.00134160*	*0.00491754*
Conc Mean	80.61930000[mg/l]	0.98558200[mg/l]	1.01630000[mg/l]	1.04231000[mg/l]	0.99541300[mg/l]	5.12467000[mg/l]	1.01915000[mg/l]
Conc RSD	*2.46333074*	*0.89336453*	*0.51466201*	*0.63719719*	*0.35383906*	*0.47824543*	*0.42009910*
Conc SD	*1.98592000[mg/l]*	*0.00880484[mg/l]*	*0.00523051[mg/l]*	*0.00664157[mg/l]*	*0.00352216[mg/l]*	*0.02450850[mg/l]*	*0.00428144[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	3272020	22471.20000000	172803	900268	28013700	177248	229842
Int RSD	*1.21567105*	*0.25262781*	*1.37622032*	*0.40012974*	*1.20675955*	*0.86938075*	*0.52048364*
Int SD	*39777.00000000*	*56.76850000*	*2378.15000000*	*3602.24000000*	*338058*	*1540.96000000*	*1196.29000000*
RelInt Mean	0.11554000	0.02220310	0.00589310	---	---	---	0.25312200
RelInt RSD	*2.16782932*	*0.41150965*	*2.51626478*	---	---	---	*0.44386501*
RelInt SD	*0.00250471*	*0.00009137*	*0.00014829*	---	---	---	*0.00112352*
Conc Mean	1.02708000[mg/l]	1.01095000[mg/l]	1.02641000[mg/l]	893915	27956500	176840	1.03258000[mg/l]
Conc RSD	*2.17011333*	*0.40781443*	*2.52711879*	---	---	---	*0.44472002*
Conc SD	*0.02228880[mg/l]*	*0.00412280[mg/l]*	*0.02593860[mg/l]*	*3597.58000000*	*338240*	*1518.81000000*	*0.00459209[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	42968.70000000	133806	328448	139194	242354	54725.90000000	
Int RSD	*0.48683577*	*0.92888211*	*0.39462868*	*0.80083193*	*0.25010233*	*0.40882288*	
Int SD	*209.18700000*	*1242.90000000*	*1296.15000000*	*1114.71000000*	*606.13300000*	*223.73200000*	
RelInt Mean	0.24220800	0.73632700	0.36089500	0.15244800	0.26496300	0.05766250	
RelInt RSD	*0.91233568*	*0.07717359*	*0.10377644*	*0.51721308*	*0.28653661*	*0.75313245*	
RelInt SD	*0.00220975*	*0.00056825*	*0.00037452*	*0.00078848*	*0.00075922*	*0.00043428*	
Conc Mean	0.98314500[mg/l]	1.14693000[mg/l]	5.49997000[mg/l]	5.64565000[mg/l]	1.02333000[mg/l]	5.63413000[mg/l]	
Conc RSD	*0.91063983*	*0.07716617*	*0.10507312*	*0.51956285*	*0.28503513*	*0.75211612*	
Conc SD	*0.00895291[mg/l]*	*0.00088504[mg/l]*	*0.00577899[mg/l]*	*0.02933270[mg/l]*	*0.00291685[mg/l]*	*0.04237520[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 473364 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	482468627078	File:	met06_master	Time:	21-NOV-2022 15:18
Cal:	482468627001	Caldate:	21-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	H	29007000	30055800	3.62
Yttrium	A	893080	951642	6.56
Yttrium	R	179033	174647	-2.45

Method Name: MET06_MASTER Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2022-11-21 15:18:17	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	32639.50000000	855.88100000	2091.49000000	4594.82000000	4910.52000000	222.38900000	4512.71000000
Int RSD	*0.80157172*	*6.77393236*	*1.29851446*	*1.54547295*	*2.97157938*	*55.59672466*	*1.39950274*
Int SD	*261.62900000*	*57.97680000*	*27.15830000*	*71.01170000*	*145.92000000*	*123.64100000*	*63.15550000*
RelInt Mean	0.00003791	0.00295707	-0.00007409	0.00017919	0.00030371	0.00097149	0.00006190
RelInt RSD	*16.34849880*	*7.16665483*	*45.53403929*	*37.57722207*	*54.12917140*	*48.56252329*	*91.88219006*
RelInt SD	*0.00000620*	*0.00021192*	*0.00003374*	*0.00006734*	*0.00016439*	*0.00047178*	*0.00005687*
Conc Mean	<0.00044584[mg/l]	0.07406040[mg/l]	<0.00081065[mg/l]	<-0.00213629[mg/l]	<0.00045750[mg/l]	<0.01835400[mg/l]	<0.00025007[mg/l]
Conc RSD	*54.72246583*	*23.41791295*	*222.01826940*	*37.58562742*	*104.64916000*	*213.26686281*	*137.70854328*
Conc SD	*0.00024397[mg/l]*	*0.01734340[mg/l]*	*0.00179978[mg/l]*	*0.00080294[mg/l]*	*0.00047877[mg/l]*	*0.03914300[mg/l]*	*0.00034437[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	4414.25000000	39723.80000000	8634.83000000	-187.84300000	493.15800000	5728.76000000	3890.04000000
Int RSD	*1.10487172*	*7.37852371*	*7.89555787*	*15.61261266*	*8.66691811*	*4.96667691*	*11.51229807*
Int SD	*48.77180000*	*2931.03000000*	*681.76800000*	*29.32720000*	*42.74160000*	*284.52900000*	*447.83300000*
RelInt Mean	0.00011660	0.00035217	0.00348192	-0.00062719	-0.00106227	0.00047344	0.00117735
RelInt RSD	*43.38896560*	*27.92625132*	*20.78149412*	*13.20265054*	*35.16846000*	*60.45746319*	*39.72191787*
RelInt SD	*0.00005059*	*0.00009835*	*0.00072360*	*0.00008281*	*0.00037358*	*0.00028623*	*0.00046767*
Conc Mean	<0.00060092[mg/l]	<0.00453556[mg/l]	<0.00240996[mg/l]	0.02165310[mg/l]	<-0.12686200[mg/l]	0.00023652[mg/l]	0.00682483[mg/l]
Conc RSD	*56.84661942*	*65.92085652*	*94.86547495*	*30.14044178*	*59.63787423*	*68.77970201*	*49.08298082*
Conc SD	*0.00034160[mg/l]*	*0.00298988[mg/l]*	*0.00228622[mg/l]*	*0.00652634[mg/l]*	*0.07565780[mg/l]*	*0.00016267[mg/l]*	*0.00334983[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	4802.04000000	4953.23000000	4574.50000000	3250.56000000	2330.73000000	3023.71000000	205.31100000
Int RSD	*2.60485127*	*0.60460548*	*0.57803913*	*2.91734347*	*1.02484200*	*12.40892810*	*39.28240572*
Int SD	*125.08600000*	*29.94750000*	*26.44240000*	*94.83000000*	*23.88630000*	*375.21000000*	*80.65110000*
RelInt Mean	0.00320462	0.00021172	-0.00009051	0.00014339	0.00001382	0.00099234	-0.00045411
RelInt RSD	*3.15447697*	*10.00486498*	*38.36724953*	*49.51503232*	*91.08196864*	*40.15166096*	*83.51196073*
RelInt SD	*0.00010109*	*0.00002118*	*0.00003473*	*0.00007100*	*0.00001259*	*0.00039844*	*0.00037924*
Conc Mean	<-0.05381050[mg/l]	<0.00002744[mg/l]	<-0.00003918[mg/l]	0.00970988[mg/l]	<-0.00044866[mg/l]	0.01808090[mg/l]	<0.00039967[mg/l]
Conc RSD	*2.06738462*	*764.47094150*	*2817.67603297*	*39.24631406*	*191.07743057*	*40.24600545*	*82.66381763*
Conc SD	*0.00111247[mg/l]*	*0.00020978[mg/l]*	*0.00110405[mg/l]*	*0.00381077[mg/l]*	*0.00085729[mg/l]*	*0.00727684[mg/l]*	*0.00033038[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	65322.20000000	2172.96000000	8422.81000000	951642	30055800	174647	3841.24000000
Int RSD	*9.37900132*	*3.10375709*	*5.48649441*	*0.36145210*	*1.05887050*	*1.06876156*	*2.37422811*
Int SD	*6126.57000000*	*67.44340000*	*462.11700000*	*3439.73000000*	*318252*	*1866.56000000*	*91.19980000*
RelInt Mean	0.00101800	0.00003356	0.00006028	---	---	---	0.00093760
RelInt RSD	*19.56355599*	*188.82950039*	*23.84533972*	---	---	---	*11.12490521*
RelInt SD	*0.00019916*	*0.00006338*	*0.00001437*	---	---	---	*0.00010431*
Conc Mean	0.00827080[mg/l]	0.00625166[mg/l]	0.00633343[mg/l]	945802	30002400	174257	0.00295491[mg/l]
Conc RSD	*21.42162790*	*45.98074751*	*39.68734161*	---	---	---	*14.41326470*
Conc SD	*0.00177174[mg/l]*	*0.00287456[mg/l]*	*0.00251357[mg/l]*	*3456.24000000*	*318283*	*1839.93000000*	*0.00042590[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	39.07290000	2837.86000000	5528.61000000	2817.90000000	4553.27000000	2590.47000000	
Int RSD	*218.91234078*	*1.93137787*	*0.42882931*	*3.25280528*	*0.83418071*	*1.10363756*	
Int SD	*85.53540000*	*54.80980000*	*23.70830000*	*91.66080000*	*37.98250000*	*28.58940000*	
RelInt Mean	-0.00058029	0.00119448	0.00093811	0.00066426	0.00011821	-0.00002304	
RelInt RSD	*121.35679734*	*56.44548255*	*2.90399400*	*13.58965288*	*24.54720796*	*155.21643848*	
RelInt SD	*0.00070423*	*0.00067423*	*0.00002724*	*0.00009027*	*0.00002902*	*0.00003577*	
Conc Mean	<-0.00052492[mg/l]	<0.00093871[mg/l]	<-0.00658453[mg/l]	<0.00130011[mg/l]	<0.00011749[mg/l]	<0.00505140[mg/l]	
Conc RSD	*543.54829184*	*111.96701019*	*5.34290223*	*258.20122913*	*93.35517916*	*69.09450845*	
Conc SD	*0.00285321[mg/l]*	*0.00105105[mg/l]*	*0.00035181[mg/l]*	*0.00335690[mg/l]*	*0.00010968[mg/l]*	*0.00349024[mg/l]*	

Enthalpy Analytical
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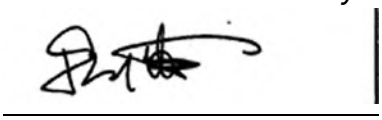
Lab Job Number: 473365
Report Level: II
Report Date: 12/27/2022

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 #:	473365
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	11/17/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C2W-LAT-L3-DN-C2.1-DG-221116-P-LA	473365-001	11/16/22 14:42	Wipe
AFRAME-C2W-LAT-L3-DN-C2.1-DG-221116-L-LA	473365-002	11/16/22 14:42	Wipe
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA-SL5	473365-003	11/16/22 12:41	Wipe
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-DUP-SL5	473365-004	11/16/22 12:41	Wipe
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA-SL5	473365-005	11/16/22 12:41	Wipe
AFRAME-C2W-MED-L2-UP-C2.2-VS-221116-P-LA	473365-006	11/16/22 13:00	Wipe
AFRAME-C2W-MED-L2-UP-C2.2-VS-221116-L-LA	473365-007	11/16/22 13:00	Wipe
AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-P-FB	473365-008	11/16/22 13:32	Wipe
AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-L-FB	473365-009	11/16/22 13:32	Wipe
AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-L-DUP-FB	473365-010	11/16/22 13:32	Wipe
AFRAME-C1W-LAT-L2-UP-C1.4-DG-221116-P-LA	473365-011	11/16/22 13:16	Wipe
AFRAME-C1W-LAT-L2-UP-C1.4-DG-221116-L-LA	473365-012	11/16/22 13:16	Wipe
AFRAME-C2W-LAT-L1-UP-C2.1-VS-221116-P-I	473365-013	11/16/22 14:47	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	473365
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	11/17/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C2W-LAT-L1-UP-C2.1-VS-221116-L-I	473365-014	11/16/22 14:47	Wipe
AFRAME-C2W-LAT-L1-HS-3-221116-P-G	473365-015	11/16/22 14:37	Wipe
AFRAME-C2W-LAT-L1-HS-3-221116-L-G	473365-016	11/16/22 14:37	Wipe
AFRAME-C2W-MED-L1-EXT-2 TO 3-221116-P-WF	473365-017	11/16/22 15:00	Wipe
AFRAME-C2W-MED-L1-EXT-2 TO 3-221116-L-WF	473365-018	11/16/22 15:00	Wipe
AFRAME-C1W-LAT-L1-UP-C1.3-HM-221117-P-CB	473365-019	11/17/22 08:27	Wipe
AFRAME-C1W-LAT-L1-UP-C1.3-HM-221117-L-CB	473365-020	11/17/22 08:27	Wipe
AFRAME-C2W-MED-L1-C2.5-DG-221116-P-SS	473365-021	11/16/22 14:22	Wipe
AFRAME-C2W-MED-L1-C2.5-DG-221116-L-SS	473365-022	11/16/22 14:22	Wipe
AFRAME-C2W-MED-L1-HS-3-221117-P-A	473365-023	11/17/22 07:54	Wipe
AFRAME-C2W-MED-L1-HS-3-221117-L-A	473365-024	11/17/22 07:54	Wipe
AFRAME-C2W-LAT-L1-HS-3-221117-P-A	473365-025	11/17/22 08:04	Wipe
AFRAME-C2W-LAT-L1-HS-3-221117-L-A	473365-026	11/17/22 08:04	Wipe
AFRAME-C2W-LAT-L1-HS-3-221117-L-DUP-A	473365-027	11/17/22 08:04	Wipe
AFRAME-C1W-LAT-L1-UP-C1.6-VS-221117-P-LA	473365-028	11/17/22 08:44	Wipe
AFRAME-C1W-LAT-L1-UP-C1.6-VS-221117-L-LA	473365-029	11/17/22 08:44	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	473365
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	11/17/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C2W-LAT-L1-UP-C2W-HS-221117-P-LA	473365-030	11/17/22 09:08	Wipe
AFRAME-C2W-LAT-L1-UP-C2W-HS-221117-L-LA	473365-031	11/17/22 09:08	Wipe
AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-P-FB	473365-032	11/17/22 09:21	Wipe
AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-P-DUP-FB	473365-033	11/17/22 09:21	Wipe
AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-L-FB	473365-034	11/17/22 09:21	Wipe
AFRAME-C1W-MED-L1-UP-C1.6-DG-221117-P-LA	473365-035	11/17/22 07:36	Wipe
AFRAME-C1W-MED-L1-UP-C1.6-DG-221117-L-LA	473365-036	11/17/22 07:36	Wipe
AFRAME-C2W-LAT-L1-DN-DG-C2W-221117-P-CB	473365-037	11/17/22 07:56	Wipe
AFRAME-C2W-LAT-L1-DN-DG-C2W-221117-L-CB	473365-038	11/17/22 07:56	Wipe
AFRAME-C2W-LAT-L1-INT-0 TO 1-221117-P-FB	473365-039	11/17/22 08:09	Wipe
AFRAME-C2W-LAT-L1-INT-0 TO 1-221117-L-FB	473365-040	11/17/22 08:09	Wipe
AFRAME-C2W-MED-L1-EXT-0 TO 1-221117-P-WF	473365-041	11/17/22 08:20	Wipe
AFRAME-C2W-MED-L1-EXT-0 TO 1-221117-L-WF	473365-042	11/17/22 08:20	Wipe

ENTHALPY ANALYTICAL

Sample Summary

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

Lab Job #:	473365
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	11/17/22

Sample ID	Lab ID	Collected	Matrix
AFRAME-C1W-MED-L1-DN-C1.6-DG-221117-P-SS	473365-043	11/17/22 08:35	Wipe
AFRAME-C1W-MED-L1-DN-C1.6-DG-221117-L-SS	473365-044	11/17/22 08:35	Wipe
221116-P-MEDBLANK2	473365-045	11/16/22 15:15	Wipe
221116-L-MEDBLANK2	473365-046	11/16/22 15:15	Wipe
221117-P-MEDBLANK3	473365-047	11/17/22 08:45	Wipe
221117-L-MEDBLANK3	473365-048	11/17/22 08:45	Wipe
AFRAME-C1W-MED-L3-DN-C1.4-DG-221116-P-LA	473365-049	11/16/22 15:05	Wipe
AFRAME-C1W-MED-L3-DN-C1.4-DG-221116-L-LA	473365-050	11/16/22 15:05	Wipe

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Lindsay Parker	Lab Job Number: 473365 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 11/17/22

This data package contains sample and QC results for fifty wipe samples, requested for the above referenced project on 11/18/22. The samples were received cold and intact.

PCBs (EPA 8082):

- Low recoveries were observed for Aroclor-1016 and Aroclor-1260 in the BS/BSD for batch 302486; the associated RPDs were within limits.
- No other analytical problems were encountered.

Metals (EPA 6010B):

No analytical problems were encountered.

473365

ENTHALPY ANALYTICAL

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.	[redacted]	[redacted]
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 + McKim

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 8082	Lead - EPA Method 3050/6010B	HOLD
1	AFRAME-C2W-LAT-~~L2-UP~~-C2.1-~~HM~~-2211 16 -P- LA (L3-DN- DG)	11/16/2022	1442	WP	1		X		
2	AFRAME-C2W-LAT-~~L2-UP~~-C2.1-~~HM~~-2211 16 -L- LA (L3-DN DG)	11/16/2022	1442	WP	1			X	
~~3~~	~~AFRAME-C2W-MED-L2-HS-1-2211 -P-~~	~~11/ /2022~~		WP	1		X		
~~4~~	~~AFRAME-C2W-MED-L2-HS-1-2211 -L-~~	~~11/ /2022~~		WP	1			X	
5	AFRAME-C2W-MED-L3-DN-C2.4-DG-2211 16 -P- LA	11/16/2022	1241	WP	1		X		
6	AFRAME-C2W-MED-L3-DN-C2.4-DG-2211 16 -P-DUP- LA	11/16/2022	1241	WP	1		X		
7	AFRAME-C2W-MED-L3-DN-C2.4-DG-2211 16 -L- LA	11/16/2022	1241	WP	1			X	
8	AFRAME-C2W-MED-L2-UP-C2.2-VS-2211 16 -P- LA	11/16/2022	1300	WP	1		X		
9	AFRAME-C2W-MED-L2-UP-C2.2-VS-2211 16 -L- LA	11/16/2022	1300	WP	1			X	
10	AFRAME-C2W-MED-L2-INT-0 TO 0.5-2211 16 -P- FB	11/16/2022	1332	WP	1		X		
11	AFRAME-C2W-MED-L2-INT-0 TO 0.5-2211 16 -L- FB	11/16/2022	1332	WP	1			X	
12	AFRAME-C2W-MED-L2-INT-0 TO 0.5-2211 16 -L-DUP FB	11/16/2022	1332	WP	1			X	
13	AFRAME-C1W-LAT-L2-UP-C1.4-DG-2211 16 -P- LA	11/16/2022	1316	WP	1		X		
14	AFRAME-C1W-LAT-L2-UP-C1.4-DG-2211 16 -L- LA	11/16/2022	1316	WP	1			X	
15	AFRAME-C2W-LAT-L1-UP-C2.6-VS-2211 16 -P- I (2.1)	11/16/2022	1447	WP	1		X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:	[signature]	Tyler Sinnott	Rincon / Envi. Scientist	11/17/22 / 1137
1 Received By:	[signature]	Audrey Hudson	ENTHALPY	11/17/22 13:45
2 Relinquished By:	[signature]	"	"	11/17/22 17:00
2 Received By:	[signature]	[illegible]	[illegible]	11/17/22 17:00
3 Relinquished By:	[signature]	[illegible]	[illegible]	11/17/22 17:52
3 Received By:	[signature]	[illegible]	[illegible]	11/18/22 0730

1.8/3.5

473365

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 = 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.	[redacted]	[redacted]
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

Analysis Request

#	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	AFRAME-C2W-LAT-L1-UP-C2.6-VS-2211~~1~~16-L-I	11/16/2022	1447	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 Use extraction Method 3546 for PCBs. Wipe samples collected from Zone 2 Enclosure D
17	AFRAME-C2W-LAT-L1-HS-3-2211~~1~~16-P-GT	11/16/2022	1437	WP	1		X			
18	AFRAME-C2W-LAT-L1-HS-3-2211~~1~~16-L-GT	11/16/2022	1437	WP	1			X		
19	AFRAME-C2W-MED-L1-EXT-2 TO 3-2211~~1~~16-P-WF	11/16/2022	1500	WP	1		X			
20	AFRAME-C2W-MED-L1-EXT-2 TO 3-2211~~1~~16-L-WF	11/16/2022	1500	WP	1			X		
21	AFRAME-C1W-LAT-L1-UP-~~C1.1-VS~~C1.3-HM-2211~~1~~17-P-CB	11/17/2022	0827	WP	1		X			
22	AFRAME-C1W-LAT-L1-UP-~~C1.1-VS~~C1.3-HM-2211~~1~~17-L-CB	11/17/2022	0827	WP	1			X		
23	AFRAME-C2W-MED-L1-C2,5-DG-2211~~1~~16-P-SS	11/16/2022	1422	WP	1		X			
24	AFRAME-C2W-MED-L1-C2,5-DG-2211~~1~~16-L-SS	11/16/2022	1422	WP	1			X		
25	AFRAME-C2W-MED-L1-HS-3-2211~~1~~17-P-A	11/17/2022	0754	WP	1		X			
26	AFRAME-C2W-MED-L1-HS-3-2211~~1~~17-L-A	11/17/2022	0754	WP	1			X		
27	AFRAME-C2W-LAT-L1-HS-3-2211~~1~~17-P-A	11/17/2022	0804	WP	1		X			
28	AFRAME-C2W-LAT-L1-HS-3-2211~~1~~17-L-A	11/17/2022	0804	WP	1			X		
29	AFRAME-C2W-LAT-L1-HS-3-2211~~1~~17-L-DUP-A	11/17/2022	0804	WP	1			X		
30	AFRAME-C1W-LAT-L1-UP-C1.6-VS-2211~~1~~17-P-LA	11/17/2022	0844	WP	1		X			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	T Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	11/17/22 1137
[1] Received By:	Audrey Hudson	Aubrey Hudson	Enthalpy	11/17/22 13:45
[2] Relinquished By:	Audrey Hudson	" "	" "	11/17/22 17:00
[2] Received By:				11/17/22 17:00
[3] Relinquished By:				11/17/22 17:22
[3] Received By:				11/18/22 0730

473365

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 S = NaOH 6 = Other

Report: Level II data validation

Sample Receipt Temp: (lab use only)

CUSTOMER INFORMATION		PROJECT INFORMATION	
Company:	Rincon Consultants, Inc.	[redacted]	
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	Test Instructions / Comments
31	AFRAME-C1W-LAT-L1-UP-C1.6-VS-221117-L-LA	11/17/2022	0844	WP	1			X		2x Rivet Type 2 = 0.0700ft2
32	AFRAME-C2W-LAT-L1-UP-C2W-HS-221117-P-LA	11/17/2022	0908	WP	1		X			
33	AFRAME-C2W-LAT-L1-UP-C2W-HS-221117-L-LA	11/17/2022	0908	WP	1			X		2x Rivet Type 2 = 0.0700ft2
34	AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-P-FB	11/17/2022	0921	WP	1		X			
35	AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-P-DUP-FB	11/17/2022	0921	WP	1		X			
36	AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-L-FB	11/17/2022	0921	WP	1			X		
37	AFRAME-C1W-MED-L1-UP-C1.6-DG-221117-P-LA	11/17/2022	0736	WP	1		X			
38	AFRAME-C1W-MED-L1-UP-C1.6-DG-221117-L-LA	11/17/2022	0736	WP	1			X		2x Rivet Type 2 = 0.0700ft2
39	AFRAME-C2W-LAT-L1-DN-DG-C2W-221117-P-CB	11/17/2022	0756	WP	1		X			
40	AFRAME-C2W-LAT-L1-DN-DG-C2W-221117-L-CB	11/17/2022	0756	WP	1			X		
41	AFRAME-C2W-LAT-L1-~~EXT~~INT-0 TO 1-221117-P-FB	11/17/2022	0809	WP	1		X			
42	AFRAME-C2W-LAT-L1-~~EXT~~INT-0 TO 1-221117-L-FB	11/17/2022	0809	WP	1			X		
43	AFRAME-C2W-MED-L1-~~INT~~EXT-0 TO 1-221117-P-WF	11/17/2022	0820	WP	1		X			
44	AFRAME-C2W-MED-L1-~~INT~~EXT-0 TO 1-221117-L-WF	11/17/2022	0820	WP	1			X		
45	AFRAME-C1W-MED-L1-DN-C1.6-DG-221117-P-SS	11/17/2022	0835	WP	1		X			

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	[signature]	Tyler Sinnott	Rincon / Envi. Scientist	11/17/22 / 1137
[1] Received By:	[signature]	Audrey Hudson	ENTHALPY	11/17/22 1345
[2] Relinquished By:	[signature]	Audrey Hudson	" "	11/17/22 17:00
[2] Received By:	[signature]	Marcus Kim	BA	11/17/22 17:00
[3] Relinquished By:	[signature]	Marcus Kim	BA	11/17/22 17:57

FPDuvs EM 11/18/20 0730

473365

[3] Received By:				

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.		
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	Test Instructions / Comments
46	AFRAME-C1W-MED-L1-DN-C1.6-DG-221117-L-SS	11/17/2022	0835	WP	1			X		
47	221116-P-MEDBLANK2	11/16/2022	1515	WP	1		X			Collected from High Occupancy zone of Hangar 1
48	221116-L-MEDBLANK2	11/16/2022	1515	WP	1			X		Collected from High Occupancy zone of Hangar 1
49	221117-P-MEDBLANK3	11/17/2022	0845	WP	1		X			Collected from High Occupancy zone of Hangar 1
50	221117-L-MEDBLANK3	11/17/2022	0845	WP	1			X		Collected from High Occupancy zone of Hangar 1
51	AFRAME-C1W-MED-L3-DN-	11/16/22	1505	WP	1		X			
52	C1.4-DG-221116-P-LA	HHMK								
53	AFRAME-C1W-MED-L3-DN-	11/16/22	1505	WP	1			X		
54	C1.4-DG-221116-L-LA									
55										
56										
57										
58										
59										
60										

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
Use extraction Method 3546 for PCBs.
Wipe samples collected from Zone 2 Enclosure D

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:	T Sinnott	Tyler Sinnott	Rincon / Envi. Scientist	11/17/22 / 1137
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	11/17/22 13:45
[2] Relinquished By:	Audrey Hudson	"	"	11/17/22 17:00
[2] Received By:		MRCUMM 4/6 MARTINEZ 4/6 FRSWS	FA FA EM	11/17/22 17:00 11/17/22 17:52 11/18/22 0730

SAMPLE RECEIPT CHECKLIST

Section 1: Login # 473365 Client: RINCON

Date Received: 11.17.22 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 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)** _____

ENTHALPY ANALYTICAL

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) (Na Caaler) :_____

Sample Temp (°C), One from each cooler: #1: 3.5 #2: _____ #3: _____ #4: _____

(Acceptance range is < 6°C but nat frazen (far Micrabialagy samples, acceptance range is < 10°C but nat frazen). It is acceptable far samples callected the same day as sample receipt ta have a higher temperature as lang as there is evidence that caaling 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

[EXTERNAL] Lab Report/EDD 473364 & 473365 Re-Issue

Austin Moore <amoore@rinconconsultants.com> Wed, Dec 14, 2022 at 1:58 PM
To: John Goyette <john.goyette@enthalpy.com>
Cc: Lindsay Parker <lparker@rinconconsultants.com>, Kerry Campbell <kcampbell@rinconconsultants.com>

Good Afternoon John,

During our data validation review, we discovered duplicate sample IDs were used between lab reports **473364** and **473365**. We will need the following sample IDs revised, as well as the official re-issued lab reports (and EDD's) that reflect the new IDs:

473364:

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA**-SL6**

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA**-SL6**

473365:

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA**-SL5**

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-DUP**-SL5**

AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA**-SL5**

Note that the sample IDs should be revised to include either -SL5 (sample IDs in lab report 473365) or -SL6 (sample IDs in lab report 473364) at the end of their original names

Lastly, LDC is requesting if it is possible to include the sample times within the EDDs? If so, can we please include the sample times in **ALL** EDD's moving forward?

As always, I truly appreciate your time and help.

Thank you John,

Austin Moore

Austin Moore, Environmental Scientist III

Rincon Consultants, Inc.

Environmental Scientists | Planners | Engineers

909-253-0705

951-902-9896 Mobile

rinconconsultants.com

Enthalpy Analytical - Orange Analytical Report

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-LAT-L3-DN-C2.1-DG-221116-P-LA **Batch#:** 302486 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473365-001 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473365-001 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

473365-001 Surrogate	%REC	Limits
TCMX (PCB)	73	19-121
Decachlorobiphenyl (PCB)	64	19-121

Field ID: AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-LA-SL5 **Batch#:** 302486 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473365-003 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473365-003 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

473365-003 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	60	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-DUP-SL5 **Batch#:** 302486 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473365-004 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473365-004 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

473365-004 Surrogate	%REC	Limits
TCMX (PCB)	72	19-121
Decachlorobiphenyl (PCB)	55	19-121

Field ID: AFRAME-C2W-MED-L2-UP-C2.2-VS-221116-P-LA **Batch#:** 302486 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473365-006 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473365-006 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

473365-006 Surrogate	%REC	Limits
TCMX (PCB)	70	19-121
Decachlorobiphenyl (PCB)	57	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-P-FB **Batch#:** 302486 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473365-008 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-008 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

473365-008 Surrogate	%REC	Limits
TCMX (PCB)	68	19-121
Decachlorobiphenyl (PCB)	55	19-121

Field ID: AFRAME-C1W-LAT-L2-UP-C1.4-DG-221116-P-LA **Batch#:** 302486 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473365-011 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-011 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

473365-011 Surrogate	%REC	Limits
TCMX (PCB)	70	19-121
Decachlorobiphenyl (PCB)	56	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-LAT-L1-UP-C2.1-VS-221116-P-I **Batch#:** 302486 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473365-013 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-013 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	0.50	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

473365-013 Surrogate	%REC	Limits
TCMX (PCB)	57	19-121
Decachlorobiphenyl (PCB)	56	19-121

Field ID: AFRAME-C2W-LAT-L1-HS-3-221116-P-G **Batch#:** 302486 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473365-015 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-015 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

473365-015 Surrogate	%REC	Limits
TCMX (PCB)	74	19-121
Decachlorobiphenyl (PCB)	72	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-MED-L1-EXT-2 TO 3-221116-P-WF **Batch#:** 302486 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473365-017 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-017 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

473365-017 Surrogate	%REC	Limits
TCMX (PCB)	68	19-121
Decachlorobiphenyl (PCB)	58	19-121

Field ID: AFRAME-C1W-LAT-L1-UP-C1.3-HM-221117-P-CB **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 8082

Lab ID: 473365-019 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-019 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

473365-019 Surrogate	%REC	Limits
TCMX (PCB)	89	19-121
Decachlorobiphenyl (PCB)	73	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-MED-L1-C2.5-DG-221116-P-SS **Batch#:** 302486 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473365-021 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473365-021 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

473365-021 Surrogate	%REC	Limits
TCMX (PCB)	69	19-121
Decachlorobiphenyl (PCB)	55	19-121

Field ID: AFRAME-C2W-MED-L1-HS-3-221117-P-A **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 8082

Lab ID: 473365-023 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473365-023 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

473365-023 Surrogate	%REC	Limits
TCMX (PCB)	81	19-121
Decachlorobiphenyl (PCB)	61	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-LAT-L1-HS-3-221117-P-A **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 8082

Lab ID: 473365-025 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-025 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

473365-025 Surrogate	%REC	Limits
TCMX (PCB)	80	19-121
Decachlorobiphenyl (PCB)	63	19-121

Field ID: AFRAME-C1W-LAT-L1-UP-C1.6-VS-221117-P-LA **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 8082

Lab ID: 473365-028 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-028 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

473365-028 Surrogate	%REC	Limits
TCMX (PCB)	80	19-121
Decachlorobiphenyl (PCB)	62	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-LAT-L1-UP-C2W-HS-221117-P-LA **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 8082

Lab ID: 473365-030 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-030 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

473365-030 Surrogate	%REC	Limits
TCMX (PCB)	80	19-121
Decachlorobiphenyl (PCB)	59	19-121

Field ID: AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-P-FB **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 8082

Lab ID: 473365-032 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-032 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

473365-032 Surrogate	%REC	Limits
TCMX (PCB)	88	19-121
Decachlorobiphenyl (PCB)	67	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-P-DUP-FB **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 8082

Lab ID: 473365-033 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473365-033 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

473365-033 Surrogate	%REC	Limits
TCMX (PCB)	52	19-121
Decachlorobiphenyl (PCB)	52	19-121

Field ID: AFRAME-C1W-MED-L1-UP-C1.6-DG-221117-P-LA **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 8082

Lab ID: 473365-035 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473365-035 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

473365-035 Surrogate	%REC	Limits
TCMX (PCB)	54	19-121
Decachlorobiphenyl (PCB)	52	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-LAT-L1-DN-DG-C2W-221117-P-CB **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 8082

Lab ID: 473365-037 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-037 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

473365-037 Surrogate	%REC	Limits
TCMX (PCB)	69	19-121
Decachlorobiphenyl (PCB)	53	19-121

Field ID: AFRAME-C2W-LAT-L1-INT-0 TO 1-221117-P-FB **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 8082

Lab ID: 473365-039 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-039 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

473365-039 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	51	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-MED-L1-EXT-0 TO 1-221117-P-WF **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 8082

Lab ID: 473365-041 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-041 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

473365-041 Surrogate	%REC	Limits
TCMX (PCB)	57	19-121
Decachlorobiphenyl (PCB)	58	19-121

Field ID: AFRAME-C1W-MED-L1-DN-C1.6-DG-221117-P-SS **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 8082

Lab ID: 473365-043 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-043 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

473365-043 Surrogate	%REC	Limits
TCMX (PCB)	50	19-121
Decachlorobiphenyl (PCB)	49	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473365 **Project#:** 20-10491

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

Field ID: 221116-P-MEDBLANK2 **Batch#:** 302486 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473365-045 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473365-045 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

473365-045 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	55	19-121

Field ID: 221117-P-MEDBLANK3 **Batch#:** 302518 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 8082

Lab ID: 473365-047 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/06/22

Diln Fac: 1.000 **Analyzed:** 12/06/22

473365-047 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

473365-047 Surrogate	%REC	Limits
TCMX (PCB)	55	19-121
Decachlorobiphenyl (PCB)	41	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C1W-MED-L3-DN-C1.4-DG-221116-P-LA **Batch#:** 302486 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 8082

Lab ID: 473365-049 **Received:** 11/17/22 **Analyst:** TJW

Matrix: Wipe **Prepared:** 12/05/22

DiIn Fac: 1.000 **Analyzed:** 12/06/22

473365-049 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

473365-049 Surrogate	%REC	Limits
TCMX (PCB)	66	19-121
Decachlorobiphenyl (PCB)	55	19-121

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 3546

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)	66	19-121
Decachlorobiphenyl (PCB)	67	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 473365 **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 #: 473365 **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

Diln Fac: 1.000 **Prep:** EPA 3546

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

Diln Fac: 1.000 **Prep:** EPA 3546

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 - Orange Analytical Report: Batch QC

Lab #: 473365 **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 #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-LAT-L3-DN-C2.1-DG-221116-L-LA **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473365-002 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-002 Analyte	Result	RL	Units
Lead	**93**	0.25	ug/ft2

Field ID: AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-L-LA-SL5 **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473365-005 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-005 Analyte	Result	RL	Units
Lead	**340**	0.25	ug/ft2

Field ID: AFRAME-C2W-MED-L2-UP-C2.2-VS-221116-L-LA **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473365-007 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-007 Analyte	Result	RL	Units
Lead	**51**	0.25	ug/ft2

Field ID: AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-L-FB **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473365-009 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-009 Analyte	Result	RL	Units
Lead	**360**	0.25	ug/ft2

Field ID: AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-L-DUP-FB **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473365-010 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-010 Analyte	Result	RL	Units
Lead	**470**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C1W-LAT-L2-UP-C1.4-DG-221116-L-LA **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473365-012 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-012 Analyte	Result	RL	Units
Lead	**130**	0.25	ug/ft2

Field ID: AFRAME-C2W-LAT-L1-UP-C2.1-VS-221116-L-I **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473365-014 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-014 Analyte	Result	RL	Units
Lead	**110**	0.25	ug/ft2

Field ID: AFRAME-C2W-LAT-L1-HS-3-221116-L-G **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473365-016 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-016 Analyte	Result	RL	Units
Lead	**76**	0.25	ug/ft2

Field ID: AFRAME-C2W-MED-L1-EXT-2 TO 3-221116-L-WF **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473365-018 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-018 Analyte	Result	RL	Units
Lead	**140**	0.25	ug/ft2

Field ID: AFRAME-C1W-LAT-L1-UP-C1.3-HM-221117-L-CB **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 6010B
Lab ID: 473365-020 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-020 Analyte	Result	RL	Units
Lead	**73**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-MED-L1-C2.5-DG-221116-L-SS **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473365-022 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-022 Analyte	Result	RL	Units
Lead	**150**	0.25	ug/ft2

Field ID: AFRAME-C2W-MED-L1-HS-3-221117-L-A **Batch#:** 301526 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 6010B
Lab ID: 473365-024 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-024 Analyte	Result	RL	Units
Lead	**130**	0.25	ug/ft2

Field ID: AFRAME-C2W-LAT-L1-HS-3-221117-L-A **Batch#:** 301527 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 6010B
Lab ID: 473365-026 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-026 Analyte	Result	RL	Units
Lead	**160**	0.25	ug/ft2

Field ID: AFRAME-C2W-LAT-L1-HS-3-221117-L-DUP-A **Batch#:** 301527 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 6010B
Lab ID: 473365-027 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-027 Analyte	Result	RL	Units
Lead	**140**	0.25	ug/ft2

Field ID: AFRAME-C1W-LAT-L1-UP-C1.6-VS-221117-L-LA **Batch#:** 301527 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 6010B
Lab ID: 473365-029 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-029 Analyte	Result	RL	Units
Lead	**160**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-LAT-L1-UP-C2W-HS-221117-L-LA **Batch#:** 301527 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 6010B
Lab ID: 473365-031 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-031 Analyte	Result	RL	Units
Lead	**170**	0.25	ug/ft2

Field ID: AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-L-FB **Batch#:** 301527 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 6010B
Lab ID: 473365-034 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-034 Analyte	Result	RL	Units
Lead	**110**	0.25	ug/ft2

Field ID: AFRAME-C1W-MED-L1-UP-C1.6-DG-221117-L-LA **Batch#:** 301527 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 6010B
Lab ID: 473365-036 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-036 Analyte	Result	RL	Units
Lead	**55**	0.25	ug/ft2

Field ID: AFRAME-C2W-LAT-L1-DN-DG-C2W-221117-L-CB **Batch#:** 301527 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 6010B
Lab ID: 473365-038 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-038 Analyte	Result	RL	Units
Lead	**46**	0.25	ug/ft2

Field ID: AFRAME-C2W-LAT-L1-INT-0 TO 1-221117-L-FB **Batch#:** 301527 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 6010B
Lab ID: 473365-040 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Diln Fac: 1.000 **Analyzed:** 11/21/22

473365-040 Analyte	Result	RL	Units
Lead	**35**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 473365 **Project#:** 20-10491

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

Field ID: AFRAME-C2W-MED-L1-EXT-0 TO 1-221117-L-WF **Batch#:** 301527 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 6010B
Lab ID: 473365-042 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Dln Fac: 1.000 **Analyzed:** 11/21/22

473365-042 Analyte	Result	RL	Units
Lead	**54**	0.25	ug/ft2

Field ID: AFRAME-C1W-MED-L1-DN-C1.6-DG-221117-L-SS **Batch#:** 301527 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 6010B
Lab ID: 473365-044 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Dln Fac: 1.000 **Analyzed:** 11/21/22

473365-044 Analyte	Result	RL	Units
Lead	**140**	0.25	ug/ft2

Field ID: 221116-L-MEDBLANK2 **Batch#:** 301527 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473365-046 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Dln Fac: 1.000 **Analyzed:** 11/21/22

473365-046 Analyte	Result	RL	Units
Lead	**2.0**	0.25	ug/ft2

Field ID: 221117-L-MEDBLANK3 **Batch#:** 301527 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/17/22 **Analysis:** EPA 6010B
Lab ID: 473365-048 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Dln Fac: 1.000 **Analyzed:** 11/21/22

473365-048 Analyte	Result	RL	Units
Lead	**1.1**	0.25	ug/ft2

Field ID: AFRAME-C1W-MED-L3-DN-C1.4-DG-221116-L-LA **Batch#:** 301527 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 11/16/22 **Analysis:** EPA 6010B
Lab ID: 473365-050 **Received:** 11/17/22 **Analyst:** SBW
Matrix: Wipe **Prepared:** 11/19/22
Dln Fac: 1.000 **Analyzed:** 11/21/22

473365-050 Analyte	Result	RL	Units
Lead	**110**	0.25	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 473365 **Project#:** 20-10491

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

Type:	BLANK	**Batch#:**	301526	**Analysis:**	EPA 6010B
Lab ID:	QC1027000	**Prepared:**	11/19/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	11/21/22		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1027000 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Type:	BLANK	**Batch#:**	301527	**Analysis:**	EPA 6010B
Lab ID:	QC1027003	**Prepared:**	11/19/22	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	11/21/22		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1027003 Analyte	Result	RL	Units
Lead	ND	0.25	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 473365 **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
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1027001 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	105.8	106	80-120	ug/ft2

Type: BS **Batch#:** 301527 **Analysis:** EPA 6010B
Lab ID: QC1027004 **Prepared:** 11/19/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 11/21/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1027004 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	100.5	100	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
Dln 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

Type: BSD **Batch#:** 301527 **Analysis:** EPA 6010B
Lab ID: QC1027005 **Prepared:** 11/19/22 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 11/21/22
Dln Fac: 1.000 **Prep:** EPA 3050B

QC1027005 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	101.7	102	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 High Occupancy Area of Zone 2
ProUCL Lead Input File

Sample ID	LeadResults	d_LeadResults
AFRAME-C1E-MED-L3-UP-C1.2-VS-220915-LA	110	1
AFRAME-C1E-LAT-L3-DN-C1.3-DG-220915-LA	77	1
AFRAME-C2E-LAT-L3-UP-C2.5-DG-220915-LA	130	1
AFRAME-C2E-MED-L3-DN-C2.4-DG-220915-LA	140	1
AFRAME-C2E-MED-L3-EXT-1 TO 2-220915-DUP-WF	82	1
AFRAME-C1E-MED-L1-UP-C1.4-HM-220916	130	1
AFRAME-C1E-LAT-L1-UP-C1.6-VS-220916	190	1
AFRAME-C1E-MED-L1-UP-C1.6-HS-220916-LA	96	1
AFRAME-C1E-MED-L1-DN-C1.6-DG-220916-SS	92	1
AFRAME-C2E-MED-L2-UP-C2.2-VS-220916-LA	170	1
AFRAME-C2E-LAT-L1-UP-C2.6-VS-220916-I	160	1
AFRAME-C2E-MED-L1-UP-C2.5-DG-220916-SS	53	1
AFRAME-C2E-MED-L1-UP-C2E-HS-220916-LA	74	1
AFRAME-C2E-MED-L2-INT-0.5 TO 1-220916-FB	190	1
AFRAME-C2E-LAT-L2-EXT-0 TO 1-220916-WF	230	1
AFRAME-C2E-LAT-L1-INT-2 TO 3-220916-DUP-FB	460	1
AFRAME-C2E-MED-L1-EXT-2 TO 3-220916-WF	230	1
AFRAME-C2E-MED-L1-HS-3-220916-DUP-A	150	1
AFRAME-C2E-LAT-L1-HS-3-220916-A	100	1
AFRAME-C2E-MED-L1-INT-1 TO 2-220916-FB	83	1
AFRAME-C2E-LAT-L1-EXT-1 TO 2-220916-WF	49	1
AFRAME-C2E-LAT-L1-INT-0 TO 1-220916-FB	93	1
AFRAME-C1E-MED-L2-UP-C1.3-HM-220915-CB	230	1
AFRAME-C1E-LAT-L2-UP-C1.4-DG-220915-CB	79	1
AFRAME-C2E-LAT-L2-UP-C2.1-HM-220915-CB	75	1
AFRAME-C2E-MED-L2-HS-1-220915-G	75	1
AFRAME-C2W-LAT-L3-UP-C2.5-DG-221116-LA	140	1
AFRAME-C2W-LAT-L3-EXT-1 TO 2-221116-WF	20	1
AFRAME-C1W-MED-L3-UP-C1.2-VS-221116-LA	59	1
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-LA-SL6	70	1
AFRAME-C1W-LAT-L3-DN-C1.2-DG-221116-LA	69	1
AFRAME-C2W-LAT-L3-DN-C2.1-DG-221116-LA	93	1
AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-LA-SL5	340	1
AFRAME-C2W-MED-L2-UP-C2.2-VS-221116-LA	51	1
AFRAME-C2W-MED-L2-INT-0 TO 0.5-VS-221116-DUP-FB	470	1
AFRAME-C1W-LAT-L2-UP-C1.4-DG-221116-LA	130	1
AFRAME-C2W-LAT-L1-UP-C2.1-VS-221116-I	110	1
AFRAME-C2W-LAT-L1-HS-3-221116-G	76	1
AFRAME-C2W-MED-L1-EXT-2 TO 3-221116-WF	140	1
AFRAME-C1W-LAT-L1-UP-C1.3-HM-221117-CB	73	1
AFRAME-C2W-MED-L1-C2.5-DG-221116-SS	150	1
AFRAME-C2W-MED-L1-HS-3-221117-A	130	1

AFRAME-C2W-LAT-L1-HS-3-221117-A	160	1
AFRAME-C1W-LAT-L1-UP-C1.6-VS-221117-LA	160	1
AFRAME-C2W-LAT-L1-UP-C2W-HS-221117-LA	170	1
AFRAME-C2W-LAT-L1-INT-1 TO 2-221117-FB	110	1
AFRAME-C1W-MED-L1-C1.6-DG-221117-LA	55	1
AFRAME-C2W-LAT-L1-DN-DG-C2W-221117-CB	46	1
AFRAME-C2W-LAT-L1-INT-0 TO 1-221117-FB	35	1
AFRAME-C2W-MED-L1-EXT-0 TO 1-221117-WF	54	1
AFRAME-C1W-MED-L1-DN-C1.6-DG-221117-SS	140	1
AFRAME-C1W-MED-L3-DN-C1.4-DG-221116-LA	110	1

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 2
ProUCL Output File

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 1/16/2023 1:13:50 PM
From File	Z2_HO_Lead_UCL_Input.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

LeadResults

General Statistics			
Total Number of Observations	52	Number of Distinct Observations	34
		Number of Missing Observations	0
Minimum	20	Mean	129
Maximum	470	Median	110
SD	90.38	Std. Error of Mean	12.53
Coefficient of Variation	0.701	Skewness	2.261

Normal GOF Test		
Shapiro Wilk Test Statistic	0.776	**Shapiro Wilk GOF Test**
1% Shapiro Wilk P Value	4.267E-10	Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.174	**Lilliefors GOF Test**
1% Lilliefors Critical Value	0.141	Data Not Normal at 1% Significance Level
Data Not Normal at 1% Significance Level		

Assuming Normal Distribution			
95% Normal UCL		**95% UCLs (Adjusted for Skewness)**	
95% Student's-t UCL	150	95% Adjusted-CLT UCL (Chen-1995)	153.8
		95% Modified-t UCL (Johnson-1978)	150.7

Gamma GOF Test		
A-D Test Statistic	0.721	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.758	Detected data appear Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.0937	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.124	Detected data appear Gamma Distributed at 5% Significance Level
Detected data appear Gamma Distributed at 5% Significance Level		

Gamma Statistics			
k hat (MLE)	2.849	k star (bias corrected MLE)	2.697
Theta hat (MLE)	45.29	Theta star (bias corrected MLE)	47.83
nu hat (MLE)	296.3	nu star (bias corrected)	280.5
MLE Mean (bias corrected)	129	MLE Sd (bias corrected)	78.56
		Approximate Chi Square Value (0.05)	242.7
Adjusted Level of Significance	0.0454	Adjusted Chi Square Value	241.7

Assuming Gamma Distribution

95% Approximate Gamma UCL	149.1	95% Adjusted Gamma UCL	149.7

Lognormal GOF Test			
Shapiro Wilk Test Statistic	0.982	**Shapiro Wilk Lognormal GOF Test**	
10% Shapiro Wilk P Value	0.805	Data appear Lognormal at 10% Significance Level	
Lilliefors Test Statistic	0.0697	**Lilliefors Lognormal GOF Test**	
10% Lilliefors Critical Value	0.112	Data appear Lognormal at 10% Significance Level	
Data appear Lognormal at 10% Significance Level			

Lognormal Statistics			
Minimum of Logged Data	2.996	Mean of logged Data	4.674
Maximum of Logged Data	6.153	SD of logged Data	0.607

Assuming Lognormal Distribution			
95% H-UCL	152.1	90% Chebyshev (MVUE) UCL	163.1
95% Chebyshev (MVUE) UCL	178.8	97.5% Chebyshev (MVUE) UCL	200.7
99% Chebyshev (MVUE) UCL	243.6		

Nonparametric Distribution Free UCL Statistics
Data appear to follow a Discernible Distribution

Nonparametric Distribution Free UCLs			
95% CLT UCL	149.6	95% BCA Bootstrap UCL	154.9
95% Standard Bootstrap UCL	149.7	95% Bootstrap-t UCL	157.1
95% Hall's Bootstrap UCL	159.3	95% Percentile Bootstrap UCL	150.8
90% Chebyshev(Mean, Sd) UCL	166.6	95% Chebyshev(Mean, Sd) UCL	183.7
97.5% Chebyshev(Mean, Sd) UCL	207.3	99% Chebyshev(Mean, Sd) UCL	253.7

Suggested UCL to Use			
95% Approximate Gamma UCL	149.1		

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.

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 2
ProUCL PCBs Output File

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 1/16/2023 1:15:43 PM
From File	Z2_HO_PCB_UCL_Input.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Aroclor 1268

General Statistics			
Total Number of Observations	52	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	52
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!

Aroclor 1221

General Statistics			
Total Number of Observations	52	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	52
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 1016

General Statistics			
Total Number of Observations	52	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	52
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 1232

General Statistics			
Total Number of Observations	52	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	52
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	52	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	52
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 1242 was not processed!

Aroclor 1254

General Statistics			
Total Number of Observations	52	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	52
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 1248

General Statistics			
Total Number of Observations	52	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	52

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 1260

General Statistics			
Total Number of Observations	52	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	52
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	52	Number of Distinct Observations	2
Number of Detects	0	Number of Non-Detects	52
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!

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

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 High 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 High 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 High 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

Crossed out Sample IDs not collected in the High 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: 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 High 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

Crossed out Sample IDs not collected in the High Occupancy Area of Zone 2

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

SDG #: 469257

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= 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-MEDBLANK1	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 F-7	11

Comments: _____

LDC #: 55048C3b

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= (A)(Fv)(Df) / (RF)(Vs 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 = 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	~~4.117~~ 4.225		
	1260-1			1260-1 = 430.1	
	11592177.2 / 6730008 91	(20.0) / (0.0801) =	430.1	2 = 419.9	
				3 = 424.4	
				4 = 415.4	
				5 = 422.7	
				422.1	

Comments: _____

LDC #: 55048C4b

SDG #: 469273

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 3

Date: 10/20/22

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	~~SW~~ N	~~FB=6~~ [Bq]
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

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 #: 55048C4b

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 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

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

Crossed out Sample IDs not collected in the High 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: 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

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

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

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

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

Crossed out Sample IDs not collected in the High 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-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

* 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

* 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

* 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

* 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

* 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

* 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

* 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

* 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

* 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/D
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 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** 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 #: 55624B3h

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

Page: 1 of 1

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 #: 55624B36

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 22450.05 (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: ATV
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 BN 2/23/23	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

METHOD: Metals (EPA Method 6010/6020/7000/200.7/200.8)

Analyte	Concentration (ug/ft2)		RPD	
	2	3		
Lead	20	17	16	

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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 (~~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	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 = ~~3/2~~ 17/16, 3/2 ~~1/16/23~~ 2/22/23
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~~ LS - Included 2/22/23	473365-003	Wipe	11/16/22
3	~~AFRAME-C2W-MED-L3-DN-C2.4-DG-221116-P-DUP-LA~~ LS	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:_____

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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

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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	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:

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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