

Hangar 1 Data Summary Submittal

High Occupancy Area of Zone 7

Former Naval Air Station Moffett Field, California

prepared on behalf of
Planetary Ventures, LLC

prepared by
Rincon Consultants, Inc.

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Table of Contents

Acronyms and Abbreviations iii

Executive Summary iv

1 Introduction 1

2 Attainment of Project Cleanup Goals 2
- 2.1 Visual Inspections 2
- 2.2 Confirmation Sampling Results 2
  - 2.2.1 Abatement and Sampling Efforts 3
  - 2.2.2 Evaluation of the Confirmation Wipe Sampling Data 3

3 Data Usability Assessment 4
- 3.1 Data Verification 4
- 3.2 Data Validation 5
- 3.3 Data Precision 5
  - 3.3.1 Laboratory Duplicate Samples 6
  - 3.3.2 Field Duplicate Samples 6
- 3.4 Data Accuracy/Bias 6
  - 3.4.1 Laboratory QC Samples 6
  - 3.4.2 Laboratory Surrogate Spikes 7
  - 3.4.3 Field QC Samples 7
- 3.5 Summary of Representativeness, Completeness, and Comparability 8
  - 3.5.1 Representativeness 8
  - 3.5.2 Completeness 8
  - 3.5.3 Comparability 9
- 3.6 Sensitivity 9

4 Conclusions 10

5 References 11

Tables

Table 1 95-Percent UCL for Confirmation Wipe Samples 3
Table 2 Lead Wipe Sample Summary 5
Table 3 PCB Wipe Sample Summary 5
Table 4 Laboratory Duplicate Sample Summary 6
Table 5 Field Duplicate Sample Summary 6
Table 6 Laboratory QC Sample Summary 7
Table 7 Field QC Sample Summary 7
Table 8 Completeness for Confirmation Wipe Samples 9
Table 9 Sensitivity Comparison for Confirmation Wipe Samples 9

Figures

Figure 1 Plan Map and Cross Section of Zone 7

Attachments

Attachment 1 NACE Inspection Forms

Attachment 2 Tabulated PCB and Lead Confirmation Wipe Sampling Analytical Results

Attachment 3 Confirmation Sampling Analytical Reports

Attachment 4 ProUCL Input and Output Files

Attachment 5 Data Validation Reports

Acronyms and Abbreviations

DCB	Decachlorobiphenyl
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
TCMX	Tetrachloro-m-xylene
UCL	Upper Confidence Limit
µg/100 cm^2	Micrograms per 100 Square Centimeters
µg/ft^2	Micrograms per Square Foot
UFP-QAPP	Uniform Federal Policy Quality Assurance Project Plan
U.S. EPA	United States Environmental Protection Agency
Water Board	San Francisco Bay Regional Water Quality Control Board
>	Greater than
<	Less than
≤	Less than or equal to

Executive Summary

Rincon Consultants, Inc. has prepared this Data Summary Submittal (DSS) on behalf of Planetary Ventures, LLC (PV) for the sampling and analytical activities associated with abatement activities within the High Occupancy Area of Zone 7 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 Project Cleanup Goals for the structural steel within the High Occupancy Area of Zone 7 within Hangar 1.

The National Association of Corrosion Engineers (NACE) inspection reports 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 indicates that the collected confirmation wipe sampling data are suitable for comparison against the numeric Cleanup Goals. The 95-percent upper confidence limit (UCL) for the mean lead concentration in the 59 wipe samples collected from within the High Occupancy Area of Zone 7 was approximately 132 micrograms per square foot (µg/ft^2), which is less than the numeric Cleanup Goal for lead (i.e., <250 µg/ft^2). The 95-percent UCL for the mean PCB concentration in the confirmation wipe samples could not be calculated because PCBs were not detected above the highest reported laboratory quantitation limit of 0.5 micrograms per 100 square centimeters (i.e., less than [<] 0.5 µg/100 cm^2), which is less than the High Occupancy Cleanup Goal for PCBs (i.e., ≤10 ug/100 cm^2), in any of the confirmation wipe samples collected from within the High Occupancy Area of Zone 7.

As indicated by the NACE inspection reports and the lead and PCB confirmation wipe sampling results, the High Occupancy Area of Zone 7 is suitable for unrestricted use. Based on the findings presented herein, PV requests that the United States Environmental Protection Agency and San Francisco Regional Water Quality Control Board provide concurrence that no further abatement is required for the High Occupancy Area of Zone 7.

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 Project Cleanup Goals within the High Occupancy Area[1] of Zone 7 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 providing 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 Project Cleanup Goals for the structural steel within the High Occupancy Area of Zone 7 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 the High and Low Occupancy Areas within Enclosure A/B and C/D of Zone 7 are included in the data summary submittal report prepared by Rincon for the Low Occupancy Area of Zone 7 (Rincon, 2024).

[1] The High Occupancy Area of Zone 7 includes the area below the arch pin (i.e., below 55-feet) in Enclosures A/B and C/D.

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

2 Attainment of Project Cleanup Goals

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

Substrate	Chemicals	Elements	Project 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)

To meet the numeric Cleanup Goals, the 95-percent UCL of the mean concentration of lead and PCBs in the confirmation wipe samples must be less than the indicated concentrations. In addition, the NTCRA Work Plan requires that no single confirmation wipe sample result exceeds 5-times the numeric Cleanup Goal and that no more than 10-percent of the confirmation wipe sample results exceed 3-times the numeric Cleanup Goal.

The visual inspections (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 7.

2.1 Visual Inspections

In accordance with the NTCRA Work Plan, following completion of abatement[3] and cleaning activities 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 7, 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.

2.2 Confirmation Sampling Results

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

[3] Abatement in both the High and Low Occupancy Areas of Zone 6 was completed on April 16, 2024.

2.2.1 Abatement and Sampling Efforts

A total of 94 confirmation wipe samples were collected from the High Occupancy Area of Zone 7, including QC samples (i.e., field blank samples and field duplicate samples). Of the 94 confirmation wipe samples,[4] and QC samples, 70 were lead wipe samples and 24 were PCB wipe samples:

- 56 lead confirmation wipe samples and 20 PCB confirmation wipe samples;
- Four lead media blanks;[5]
- Four lead field blank samples and two PCB field blank samples; and,
- Six lead duplicate confirmation wipe samples and two PCB duplicate confirmation wipe samples.

The tabulated confirmation wipe sampling and QC results, with both laboratory and data validation flags, as necessary, 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 usability assessment (Section 3), the validated confirmation sampling data (Attachment 2) are considered suitable for comparison to the numeric Cleanup Goals.

2.2.2 Evaluation of the Confirmation Wipe Sampling Data

Upon completion of confirmation wipe sampling activities within the High Occupancy Area of Zone 7, a total of seven of the lead confirmation wipe samples collected, or approximately 12-percent, exceeded the numeric Cleanup Goal of less than (<) 250 µg/ft^2; none of these exceedances were greater than 3-times or 5-times the numeric Cleanup Goal.

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 results for the field blank samples, media blank samples, and the lower of the duplicate sampling results[6] were not included in the calculation of the 95-percent UCL. As shown in Table 1, the 95-percent UCL of the mean lead concentration (i.e., approximately 134 µg/ft^2) is below the numeric Cleanup Goal. The Pro-UCL input and output files for lead confirmation wipe samples are included in Attachment 4.

All PCB confirmation wipe sample results were below 0.5 µg/100 cm^2, the highest reported laboratory quantitation limit (QL); therefore, none of the PCB sample results exceeded the numeric Cleanup Goal for the High Occupancy Area of less than or equal to (≤) 10 µg/100 cm^2. The 95-percent UCL could not be calculated for PCBs because PCBs were not detected above laboratory QLs in any of the confirmation wipe samples collected within the High Occupancy Area of Zone 7.

Table 1 95-Percent UCL for Confirmation Wipe Samples

Analyte	Method	Project Cleanup Goal	95% UCL
Lead	U.S. EPA Method 3050M/6010B	<250 µg/ft^2	134 µg/ft^2
PCB	U.S. EPA Method 8082	≤10 µg/100 cm^2	--[a]
Notes: [a] The 95-percent UCL could not be calculated for PCBs because all analytical results were below laboratory QLs.			

[4] PCB confirmation wipe samples were collected in accordance with the *PCB Wipe Sampling Reduction Memorandum* dated September 13, 2023 (Rincon, 2023b).

[5] As discussed further in Section 3.4.3, media blank samples were only analyzed for lead.

[6] If the concentration in the duplicate samples were the same, only one result was included in the ProUCL input file.

3 Data Usability Assessment

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

Based on this data usability assessment (DUA), the validated confirmation sampling data are considered suitable to assess whether the 95-percent UCL of the mean concentrations of lead and PCBs in the confirmation wipe samples are less than the numeric Cleanup Goals. However, as all PCB confirmation wipe sample results were below the highest reported laboratory QL (i.e., 0.5 µg/100 cm^2) a 95-percent UCL could not be calculated for PCBs.

3.1 Data Verification

At the end of each day of sampling, 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 at the end of each day of sampling 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 by Rincon's field manager, which included a review of the field sampling protocols, was conducted on May 2, 2024. 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.[7] 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.

While the total square footage of steel within the High Occupancy Area of Zone 7 was less than that which was estimated in note [b] in Worksheet #20-2,[8] the confirmation lead wipe sampling frequency (i.e., one sample per 991 square feet [ft^2] of abated steel) as well as the frequencies of the field duplicate, field blank, and media blank samples were consistent with, or greater than, the frequencies presented in the revised Worksheet #20-2. A summary of the total number of confirmation lead wipe samples and field QC samples is provided in Table 2.

The PCB confirmation wipe samples were collected in accordance with the frequency outlined in the Regulatory Agency approved *Reduction of Confirmation and Clearance Wipe Sample Collection for PCB Analysis in Zone 5 through Zone 8 Memorandum* (PCB Sampling Reduction Memo; Rincon, 2023c).

[7] When reviewing field documentation the week of April 30, 2024, the Project Team noticed that the field audit for 1st Quarter of 2024 had not been completed. The field audit conducted on May 2, 2024 was a make-up field audit for the missed field audit for 1st Quarter of 2024. For more information, please refer to the Biweekly Report for the period ending May 3, 2024. Copies of all field audits will be included in the NTCRA Completion Report.

[8] A revised Worksheet #20-2 was included as Attachment 2 of the *Lead Detections in Media Blank Samples* memorandum dated August 3, 2024 (Rincon, 2023b).

Table 3 provides a summary of the total number of confirmation wipe samples and field QC samples for PCBs within the High Occupancy Area of Zone 7.

Table 2 Lead Wipe Sample Summary

	No. of Lead Confirmation Wipe Samples	No. of Field Duplicates or Frequency	No. of Field Blanks or Frequency [b]	No. of Media Blanks or Frequency [b]
Required frequency per UFP-QAPP Worksheet #20-2	1 sample per every 1,000 ft^2 of abated steel	10%	5%	5%
Anticipated Number of Samples	80 [a]	8 [10%]	4 [5%]	4 [5%]
Actual Square Footage within the High Occupancy Area of Zone 3	55,500 ft^2			
Samples Collected	56	6	4	4
Actual Frequency	1 sample per every 991 ft^2 of abated steel	10%	7%	7%

Notes:
[a] Original sample counts outlined in the UFP-QAPP were based on an estimated surface area of 80,000 ft^2 of steel.
[b] As described in the *Lead Detections in Media Blank Samples Memorandum* dated August, 3 2023 (Rincon, 2023b), Rincon began collecting both field blank and media blank samples for lead on July 24, 2023.

Table 3 PCB Wipe Sample Summary

	No. of PCB Confirmation Wipe Samples	No. of Field Duplicates or Frequency	No. of Field Blanks or Frequency [a]
Required Frequency per Rincon, 2023c	10 samples per enclosure [b]	10%	5%
Anticipated Number of Samples	20	2	2
Samples Collected	20	2 [10%]	2 [10%]

Notes:
[a] Field blank samples are equivalent to media blank samples referenced in the UFP-QAPP.
[b] While the NTCRA Work Plan originally proposed reducing the confirmation sampling frequency to 10 samples plus one duplicate sample per enclosure, the Project Team opted to combine some of the enclosures together for Zone 7 (i.e., Enclosure A/B and Enclosure C/D). Therefore, to remain consistent with the overall number of samples per zone, the Project Team collected 40 confirmation samples plus 4 duplicate samples in Zone 7 (Rincon, 2023c). The remaining 20 PCB confirmation wipe samples were collected within the High Occupancy Area of Zone 7 and will therefore be described in the Data Summary Submittal for the High Occupancy Area of Zone 7.

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 46 samples and Stage 2A validation was conducted on the remaining 48 samples (Attachment 5).

Based on LDC's review of the analytical laboratory reports and their supporting data, none of the sample results were qualified and none of the analytical results were rejected.

3.3 Data Precision

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

3.3.1 Laboratory Duplicate Samples

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). As seen in Table 4, all lead and PCB duplicate laboratory sample pairs met the measurement performance criteria (MPC) outlined in the UFP-QAPP.

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	4	RPD ≤20%	0	0%
LCS/LCSD – PCB	2	RPD ≤20%	0	0%
Notes: LCS: Laboratory Control Spike LCSD: Laboratory Control Spike Duplicate				

3.3.2 Field Duplicate Samples

As seen in Table 5, all lead field duplicate samples met the MPC outlined in the UFP-QAPP (equal to or less than 100-percent); the agreement between sample and the duplicate sample results indicates that the cleaning procedures used prior to sampling were implemented consistently throughout the abated area and that the field sampling was conducted in a reproducible manner.

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

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	2	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.				

3.4 Data Accuracy/Bias

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

3.4.1 Laboratory QC Samples

As seen in Table 6, all laboratory QC samples for lead and PCB confirmation wipe samples met the MPC outlined in the UFP-QAPP.

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

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	8	%R 80-120%	0	0%
Lead Method Blank Samples	4	<QL	0	0%
PCB LCS and LCSD	4	%R 60-140%	0	0%
PCB Method Blank Samples	2	<QL	0	0%

Notes:
%R: Percent Recovery

3.4.2 Laboratory Surrogate Spikes

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

Recovery rates of TCMX and DCB in all PCB confirmation wipe samples and laboratory QC samples were within the laboratory defined limits as outlined in the UFP-QAPP.

3.4.3 Field QC Samples

A summary of the field 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 Field Blank Samples	4	<10 µg/ft^2	0%
Lead Media Blank Samples [a]	4	<QL	0%
PCB Field Blank Samples	2	<QL	0%

Notes:
[a] As described in the *Lead Detections in Media Blank Samples Memorandum* dated August 3, 2023 (Rincon, 2023b), media blank samples were only analyzed for lead.

In accordance with the corrective actions described in the *Lead Detections in Media Blank Samples (Zone 2 Data Summary Submittal) Memorandum* (Media Blank Memo; Rincon, 2023b), Rincon collected both lead field blank and lead media blank samples in the High Occupancy Area of Zone 7. Because PCBs have not been detected above the laboratory QLs in any field blank samples, media blank samples were only analyzed for lead. Field blank samples were analyzed for both lead and PCBs.

Lead was detected above the laboratory QL in three of the four field blank samples collected; however, the result did not exceed the MPC of <10 µg/ft^2 and the reported result for the field blank sample was more than 50 times lower than the Cleanup Goal for lead. As described in the DSS for the High Occupancy Area of Zone 1 (Rincon, 2023a), the lead reported in field blank samples is likely a result of low concentrations of lead dust that are known to be in the air following abatement and cleaning activities within the enclosures as opposed to lead contamination in the wipe sampling media.[10] Therefore, while lead in the enclosure may be impacting field blank samples, the same ambient lead

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

concentrations are likely impacting all the confirmation wipe samples and as a result are likely biasing the lead confirmation wipe sampling results high.

As the reported lead results in the confirmation wipe samples were more than 5-times greater than the reported lead concentration in the associated field blank sample, no flags were applied to the reported lead confirmation wipe sampling results. PCBs were not detected above the laboratory QLs in any of the field blank samples.

Lead was not detected above the laboratory QLs in any of the media blank samples associated with the High Occupancy Area of Zone 7.

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. The following were evaluated to assess the representativeness of the wipe sampling data collected from the High Occupancy Area of Zone 7:

- A field audit, which included a review of the field sampling protocols, was conducted on May 2, 2024. Sample collection was performed in compliance with the field SOPs included in the UFP-QAPP for the collection and analysis of lead and PCB confirmation wipe samples; and
- 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.[11]

Because the samples were collected in accordance with the procedures outlined in the UFP-QAPP, the samples are considered representative of the materials that were sampled.

3.5.2 Completeness

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

As seen in Table 8, the data validation process did not result in the rejection of any confirmation wipe sampling data and as a result the % completeness (i.e., 100%) exceeds the MPC.

[11] Rincon personnel and/or the laboratory provided courier deliver the confirmation wipe samples to the Enthalpy Analytical location in Berkeley, CA. Upon receipt of the confirmation wipe samples, the laboratory staff then complete a sample check-in form prior to shipping the samples to the Enthalpy Analytical location in Orange, CA. Upon receipt of the samples at the Enthalpy Analytical location in Orange, CA, a second sample check-in form is completed for the samples, resulting in two sample check-in forms being included in the laboratory analytical reports. However, if samples are shipped directly to Enthalpy Analytical in Orange, CA by Rincon personnel, only one sample check-in form is completed by laboratory staff upon receipt of the samples in Orange, CA, resulting in one sample check-in form being included in the laboratory analytical report.

Table 8 Completeness for Confirmation Wipe Samples

Analyte – Sample Type	Total No. of Samples	Usable Results (%)	Unusable Results (%)	% Completeness - Measurement Performance Criteria
Lead – Wipe	76	100%	0%	>90%
PCB – Wipe	20	100%	0%	>90%

3.5.3 Comparability

Comparability is a qualitative term that expresses the confidence with which a data set can be compared with another. Data are 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 7) 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 7, sample collection and analytical procedures adhered to the requirements outlined in the UFP-QAPP. Based on the field audit conducted on May 2, 2024, 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.

3.6 Sensitivity

Sensitivity is the capability of a method or instrument to discriminate among measurement responses representing different levels of the variable of interest. As seen in Table 9, the laboratory specific QLs outlined in the UFP-QAPP were 0.5 µg/ft^2 for lead and 0.5 µg/100 cm^2 for PCBs. The QLs for all the lead and PCB confirmation wipe samples met the laboratory specific QLs outlined in the UFP-QAPP.

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	0.50 µg/ft^2
PCB	U.S. EPA Method 8082	≤10 µg/100 cm^2	0.5 µg/100 cm^2	0.50 µg/100 cm^2

4 Conclusions

Based on the NACE inspections and the DUA (Section 3), 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 7 was approximately 134 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 could not be calculated because PCBs were not detected above the highest reported laboratory quantitation limit of 0.5 µg/100 cm^2 in any of the confirmation samples collected from within the High Occupancy Area of Zone 7.

Given that the 95-percent UCL for lead confirmation wipes is below the Cleanup Goal for lead and that PCBs were not detected in any of the confirmation wipe samples above a maximum analytical reporting limit of 0.5 µg/100 cm^2, the High Occupancy Area of Zone 7 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 7.

5 References

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

Rincon Consultants, Inc. (Rincon). 2024. *Hangar 1 Data Summary Submittal; Low Occupancy Area of Zone 7, Former Naval Air Station Moffett Field, California.* March 2024.

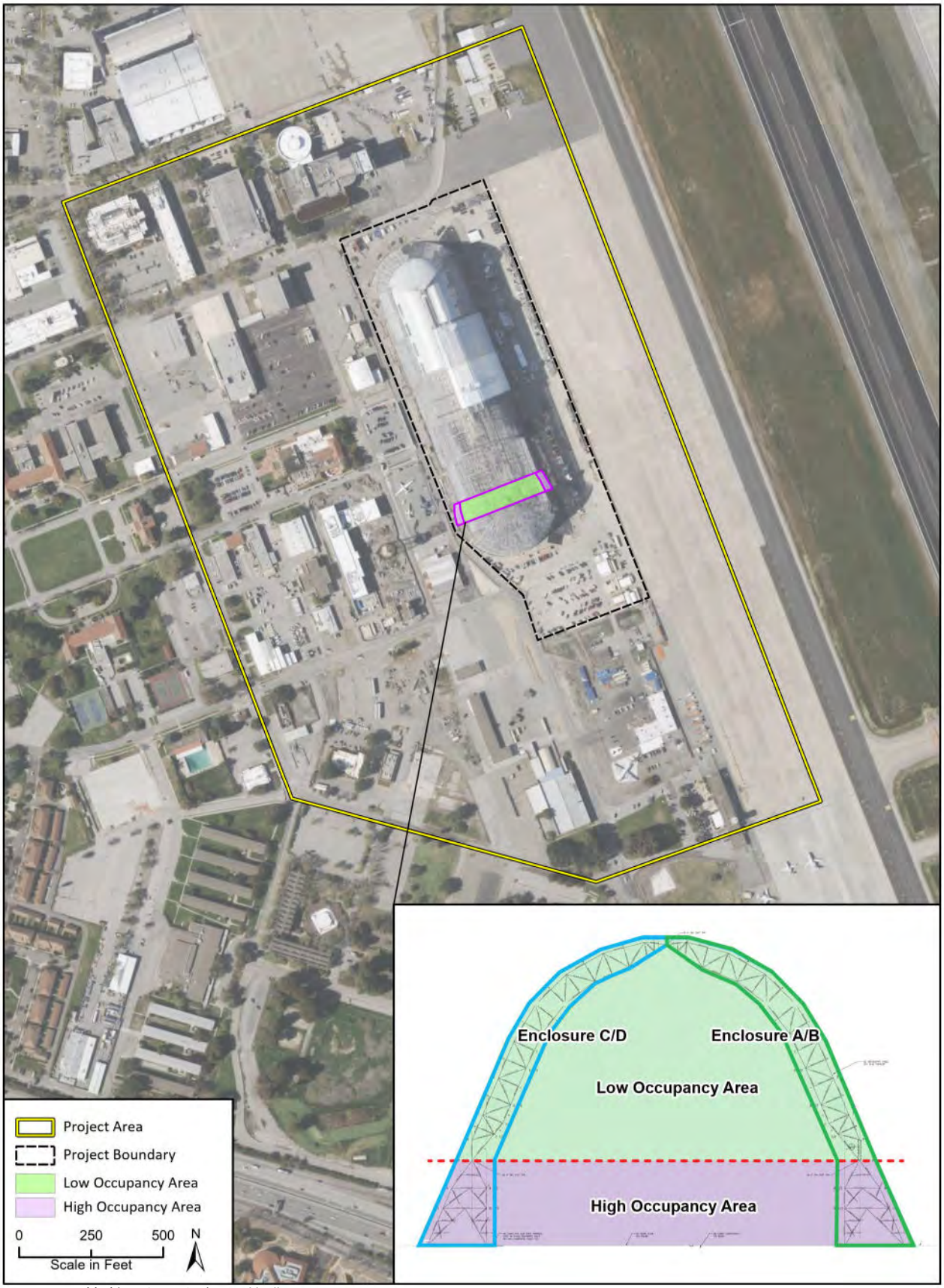
Rincon. 2023a. *Hangar 1 Data Summary Submittal; High Occupancy Area of Zone 1, Former Naval Air Station Moffett Field, California.* March 2023.

Rincon. 2023b. *Lead Detections in Media Blank Samples (Zone 2 Data Summary Submittal) Memorandum.* August 3, 2023.

Rincon. 2023c. *Reduction of Confirmation and Clearance Wipe Sample Collection for PCB Analysis in Zone 5 through Zone 8.* September 13, 2023.

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

Figures



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Plan Map and Cross Section of Zone 7

Figure 1

Attachment 1

NACE Inspection Forms

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

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 7 AREA C ABRASIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Wednesday, February 21, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	9:36AM	11:36AM	1:36PM	3:36PM					Specified Conditions
Time									
Dry Bulb	52.5 °F	57.8 °F	62.0 °F	65.0 °F					35-120 F
Wet Bulb	49.9 °F	53.7 °F	55.7 °F	57.2 °F					
Depression	2.6 °F	4.1 °F	6.3 °F	7.8 °F					
Relative Humidity	83.4%	76.0%	66.5%	60.3%					85%
Dew Point	46.6 °F	50.3 °F	50.7 °F	50.9 °F					
Steel temp	51.8 °F	57.2 °F	60.9 °F	64.0 °F					35-120 F
Difference	5.2 °F	6.9 °F	10.2 °F	13.1 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐

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



PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐
Paint mixed per manufacturer's instructions: YES ☐ NO ☐
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ 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: DAY #1 BLASTING ZONE 7C, 16 GUYS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 2/21/2024
QC Supervisor Signature: _____ Date: 2-26-24
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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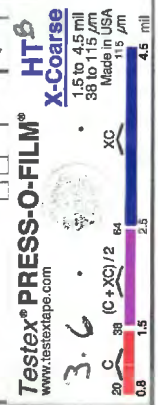
CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	NICK RODRIGUEZ-ISRAEL VILLALOBOS	Inspector:	TJ GARDNER
Work Location:	MOFFETT FIELD CA.	Date Worked:	Thursday, February 22, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ZONE 7 AREA C ABRASIVE BLASTING		MOFFETT FIELD CA.94305

Environmental Conditions:

									Specified Conditions
Time	6:36AM	10:36AM	12:36PM	4:36PM					
Dry Bulb	50.3 °F	54.8 °F	60.1 °F	69.2 °F					35-120 F
Wet Bulb	46.5 °F	51.3 °F	55.6 °F	59.7 °F					
Depression	3.8 °F	3.5 °F	4.5 °F	9.5 °F					
Relative Humidity	75.1%	78.6%	75.3%	55.2%					85%
Dew Point	42.7 °F	48.3 °F	52.3 °F	52.5 °F					
Steel temp	48.1 °F	54.0 °F	59.6 °F	68.6 °F					35-120 F
Difference	5.4 °F	5.7 °F	7.3 °F	16.1 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057



SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER ____

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐

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

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

Pressure Washing: N/A PSI

Comments: N/A

Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐

Size GX2 (attach pictures of blotter - note date & time)

Blasting performed by evaluated/approved blasters: YES ☑ NO ☐

Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐

Vial test performed on this batch of abrasive? YES ☑ NO ☐

Profile specified: 2 mils Actual Profile: 3.6 mils

PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

Paint mixed per manufacturer's instructions: YES ☐ NO ☐

Time Elapsed Since Surface Prep: _____

Specified Material: _____ Material Applied: _____

Part A Batch #'s: _____ Part A Batch #'s: _____

Part B Batch #'s: _____ Part B Batch #'s: _____

Part C Batch #'s: _____ Part C Batch #'s: _____

Thinner Batch #'s: _____ Thinner Batch #'s: _____

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____

Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

INTERMEDIATE ☐ ***FINISH*** ☐

Satisfactory Intercoat-cleaning Completed: YES ☐ NO ☐

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²

Satisfactory Pre-cleaning Completed: YES ☐ NO ☐

Paint mixed per manufacturer's instructions: YES ☐ NO ☐

Specified Material: _____ Material Applied: _____

Part A Batch #'s: _____ Part A Batch #'s: _____

Part B Batch #'s: _____ Part B Batch #'s: _____

Part C Batch #'s: _____ Part C Batch #'s: _____

Thinner Batch #'s: _____ Thinner Batch #'s: _____

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

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

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

Material Temp: _____ Typical Wet Film Readings: _____ mils

Qty. Mixed: _____ Qty. Applied: _____ Approximate SF: _____

Min. Storage Temp. Max. Storage Temp. Actual Storage Temperature

Notes: DAY #2 BLASTING ZONE 7C, 16 GUYS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge

QC Inspector Signature: _____ Date: 2/22/2024

QC Supervisor Signature: _____ Date: 2-26-24

Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested

Distribution: 1. Jobsite file 2. Project Manager 3. Client

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	NICK RODRIGUEZ-ISRAEL VILLALOBOS	Inspector:	TJ GARDNER
Work Location:	MOFFETT FIELD CA.	Date Worked:	Friday, February 23, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ZONE 7 AREA C ABRASIVE BLASTING		MOFFETT FIELD CA.94305

Environmental Conditions:

	6:36AM	9:36AM	12:36PM	3:36PM					Specified Conditions
Time									
Dry Bulb	50.5 °F	53.9 °F	59.6 °F	70.8 °F					35-120 F
Wet Bulb	44.9 °F	50.2 °F	53.6 °F	59.4 °F					
Depression	5.6 °F	3.7 °F	6.0 °F	11.4 °F					
Relative Humidity	62.2%	76.8%	66.5%	48.4%					85%
Dew Point	38.0 °F	46.9 °F	48.5 °F	50.3 °F					
Steel temp	48.9 °F	52.9 °F	58.0 °F	69.9 °F					35-120 F
Difference	10.8 °F	6.1 °F	9.6 °F	19.5 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

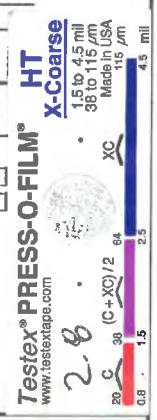
Environmental Controls? CONTAINMENT AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐

Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☑ SP 11 ☐
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 2.8 mils



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: DAY #3 BLASTING ZONE 7C, 16 GUYS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 2/23/2024
QC Supervisor Signature: _____ Date: 2-26-24

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

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 7 AREA C ABRASIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Monday, February 26, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

									Specified Conditions
Time	6:36AM	10:36AM	1:36PM	4:36PM					
Dry Bulb	58.5 °F	55.3 °F	62.0 °F	64.8 °F					35-120 F
Wet Bulb	52.5 °F	51.7 °F	55.7 °F	57.1 °F					
Depression	6.0 °F	3.6 °F	6.3 °F	7.7 °F					
Relative Humidity	65.9%	78.3%	66.5%	61.1%					85%
Dew Point	47.1 °F	48.7 °F	50.7 °F	51.1 °F					
Steel temp	52.5 °F	54.1 °F	60.9 °F	63.5 °F					35-120 F
Difference	5.4 °F	5.4 °F	10.2 °F	12.4 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

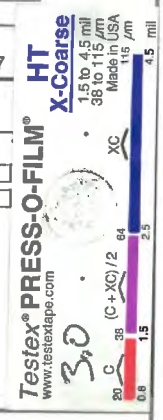
SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

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

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

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



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: DAY #4 BLASTING ZONE 7C, 16 GUYS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 2/26/2024
QC Supervisor Signature: _____ Date: 3-4-24
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 7 AREA C ABRASIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Tuesday, February 27, 2024
Address: FORMER NAVAL AIR STATION MOFFETT FIELD CA.94305

Environmental Conditions:

	6:36AM	10:36AM	12:36PM	4:36PM					Specified Conditions
Time									
Dry Bulb	48.9 °F	52.4 °F	56.4 °F	82.7 °F					35-120 F
Wet Bulb	44.9 °F	46.5 °F	47.9 °F	64.1 °F					
Depression	4.0 °F	5.9 °F	8.5 °F	18.6 °F					
Relative Humidity	72.6%	62.1%	48.6%	30.0%					85%
Dew Point	40.5 °F	39.8 °F	37.3 °F	48.1 °F					
Steel temp	47.3 °F	50.8 °F	55.3 °F	82.5 °F					35-120 F
Difference	6.8 °F	10.9 °F	18.0 °F	34.4 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

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



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: DAY #5 BLASTING ZONE 7C, 16 BLASTERS. COMPLETE BLASTING ZONE 7C AT 12PM.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 2/27/2024
QC Supervisor Signature: _____ Date: 3-4-24
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 7 AREA D ABRASIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Monday, March 4, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

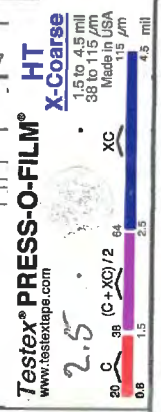
Environmental Conditions:

	6:23AM	10:23AM	12:23PM	4:23PM					Specified Conditions
Time									
Dry Bulb	49.4 °F	51.4 °F	55.3 °F	59.9 °F					35-120 F
Wet Bulb	46.2 °F	46.5 °F	48.8 °F	53.1 °F					
Depression	3.2 °F	4.9 °F	6.5 °F	6.8 °F					
Relative Humidity	78.2%	68.0%	60.5%	62.0%					85%
Dew Point	42.9 °F	41.2 °F	41.9 °F	46.9 °F					
Steel temp	48.2 °F	49.1 °F	53.8 °F	58.4 °F					35-120 F
Difference	5.2 °F	7.9 °F	11.9 °F	11.6 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____
Satisfactory Pre-cleaning Completed: YES ☑ NO ☐
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☑ SP 11 ☐
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 2.5 mils



PRIMER

Soluble Salt Test Performed: YES ☐ NO ☐ Results: _____ µg/cm²
Satisfactory Pre-cleaning Completed: YES ☐ NO ☐
Paint mixed per manufacturer's instructions: YES ☐ NO ☐
Time Elapsed Since Surface Prep: _____
Specified Material: _____ Material Applied: _____
Part A Batch #'s: _____ Part A Batch #'s: _____
Part B Batch #'s: _____ Part B Batch #'s: _____
Part C Batch #'s: _____ Part C Batch #'s: _____
Thinner Batch #'s: _____ Thinner Batch #'s: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Mix Time: _____ Start Application: _____ Time Complete: _____ Pot Life: _____
Material Temp: _____ 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: DAY #1 BLASTING 7D. 16 BLASTERS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 3/4/2024
QC Supervisor Signature: _____ Date: 3-6-24
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
Distribution: 1. Jobsite file 2. Project Manager 3. Client
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534

QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 7 AREA D ABRASIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Tuesday, March 5, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	5:23AM	9:23AM	12:23PM	4:23PM					Specified Conditions
Time									
Dry Bulb	49.4 °F	52.6 °F	58.0 °F	61.0 °F					35-120 F
Wet Bulb	46.2 °F	48.3 °F	52.3 °F	54.6 °F					
Depression	3.2 °F	4.3 °F	5.7 °F	6.4 °F					
Relative Humidity	78.2%	72.6%	67.3%	65.6%					85%
Dew Point	42.9 °F	44.1 °F	47.2 °F	49.4 °F					
Steel temp	48.2 °F	51.3 °F	56.1 °F	59.8 °F					35-120 F
Difference	5.2 °F	7.2 °F	8.8 °F	10.5 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

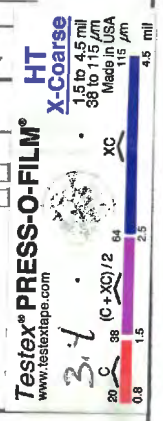
SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐

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

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



PRIMER

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

INTERMEDIATE ☐ *FINISH* ☐

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

Notes: DAY #2 BLASTING 7D. 16 BLASTERS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 3/5/2024
QC Supervisor Signature: _____ Date: 3-6-24

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

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 7 AREA D ABRASIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Thursday, March 7, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

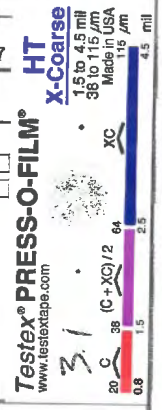
Environmental Conditions:

Time	7:23AM	10:23AM	12:23PM	4:23PM					Specified Conditions
Dry Bulb	52.7 °F	53.0 °F	55.8 °F	65.3 °F					35-120 F
Wet Bulb	48.7 °F	49.6 °F	51.2 °F	55.4 °F					
Depression	4.0 °F	3.4 °F	4.6 °F	9.9 °F					
Relative Humidity	74.6%	78.5%	72.5%	50.2%					85%
Dew Point	44.9 °F	46.5 °F	47.1 °F	46.3 °F					
Steel temp	51.2 °F	52.2 °F	53.8 °F	64.2 °F					35-120 F
Difference	6.3 °F	5.7 °F	6.7 °F	17.9 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

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



PRIMER

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

INTERMEDIATE ☐ *FINISH* ☐

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

Notes: DAY #3 BLASTING 7D. 16 BLASTERS. BLAST UNTIL 11:45AM FOR CONFIRMATION SAMPLE MARKOUT.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 3/7/2024
QC Supervisor Signature: _____ Date: 3-11-24

The results relate only to items inspected/tested

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2329 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	NICK RODRIGUEZ-ISRAEL VILLALOBOS	Inspector:	TJ GARDNER
Work Location:	MOFFETT FIELD CA.	Date Worked:	Monday, March 11, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ZONE 7 AREA D ABRASIVE BLASTING		MOFFETT FIELD CA.94305

Environmental Conditions:

Time	6:51AM	9:23AM	12:23PM	3:51PM					Specified Conditions
Dry Bulb	53.8 °F	57.2 °F	60.1 °F	63.9 °F					35-120 F
Wet Bulb	50.1 °F	51.6 °F	51.4 °F	54.1 °F					
Depression	3.7 °F	5.6 °F	8.7 °F	9.8 °F					
Relative Humidity	77.0%	67.3%	51.7%	49.0%					85%
Dew Point	46.8 °F	46.4 °F	42.2 °F	44.4 °F					
Steel temp	52.0 °F	55.6 °F	58.9 °F	64.0 °F					35-120 F
Difference	5.2 °F	9.2 °F	16.6 °F	19.6 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

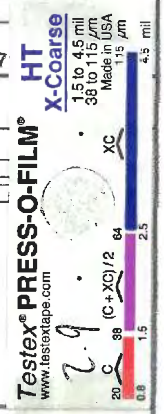
Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____
Satisfactory Pre-cleaning Completed: YES ☑ NO ☐

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

Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 2.9 mils



PRIMER

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

INTERMEDIATE ☐ **FINISH** ☐

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

Notes: DAY #4 BLASTING 7D. 16 BLASTERS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 3/11/2024
QC Supervisor Signature: _____ Date: 3-11-24

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

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 7 AREA C ABRASIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Tuesday, March 12, 2024
Address: FORMER NAVAL AIR STATION MOFFETT FIELD CA.94305

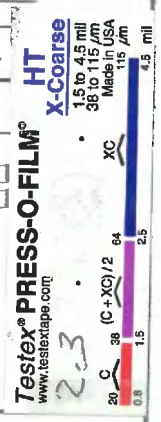
Environmental Conditions:

									Specified Conditions
Time	5:51AM	9:51AM	12:51PM	4:51PM					
Dry Bulb	52.3 °F	63.9 °F	68.6 °F	61.5 °F					35-120 F
Wet Bulb	46.7 °F	54.1 °F	56.0 °F	52.2 °F					
Depression	5.6 °F	9.8 °F	12.6 °F	9.3 °F					
Relative Humidity	63.9%	49.0%	39.9%	49.6%					85%
Dew Point	40.5 °F	44.4 °F	43.2 °F	42.5 °F					
Steel temp	51.1 °F	64.0 °F	67.2 °F	60.5 °F					35-120 F
Difference	10.6 °F	19.6 °F	23.9 °F	18.0 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____
Satisfactory Pre-cleaning Completed: YES ☑ NO ☐
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☑ SP 11 ☐
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 2.3 mils



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: REBLAST FAILED WIPE SAMPLES AND SURROUNDING AREAS. LEVELS 18, 20,& 21.
3 BLASTERS 2 HOURS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 3/12/2024
QC Supervisor Signature: _____ Date: 3-14-24

The results relate only to items inspected/tested

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2329 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	NICK RODRIGUEZ-ISRAEL VILLALOBOS	Inspector:	TJ GARDNER
Work Location:	MOFFETT FIELD CA.	Date Worked:	Tuesday, March 12, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ZONE 7 AREA D ABRASIVE BLASTING		MOFFETT FIELD CA.94305

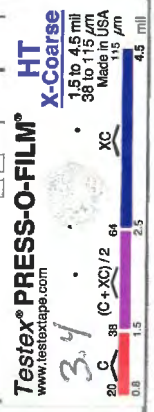
Environmental Conditions:

Time	5:51AM	9:51AM	12:51PM	4:51PM					Specified Conditions
Dry Bulb	52.3 °F	63.9 °F	68.6 °F	61.5 °F					35-120 F
Wet Bulb	46.7 °F	54.1 °F	56.0 °F	52.2 °F					
Depression	5.6 °F	9.8 °F	12.6 °F	9.3 °F					
Relative Humidity	63.9%	49.0%	39.9%	49.6%					85%
Dew Point	40.5 °F	44.4 °F	43.2 °F	42.5 °F					
Steel temp	51.1 °F	64.0 °F	67.2 °F	60.5 °F					35-120 F
Difference	10.6 °F	19.6 °F	23.9 °F	18.0 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

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



PRIMER

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

INTERMEDIATE ☐ **FINISH** ☐

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

Notes: DAY #5 BLASTING 7D. 16 BLASTERS. START 6:47AM. STOP 3:58PM

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 3/12/2024
QC Supervisor Signature: _____ Date: 3-14-24

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

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 7 AREA C ABRASIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Wednesday, March 13, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

	6:51AM	10:51AM	12:51PM	3:51PM					Specified Conditions
Time									
Dry Bulb	61.0 °F	65.1 °F	68.1 °F	63.2 °F					35-120 F
Wet Bulb	56.3 °F	54.3 °F	55.9 °F	53.5 °F					
Depression	4.7 °F	10.8 °F	12.2 °F	9.7 °F					
Relative Humidity	74.2%	45.4%	41.1%	49.3%					85%
Dew Point	52.7 °F	43.5 °F	43.6 °F	43.9 °F					
Steel temp	59.8 °F	64.4 °F	68.0 °F	62.1 °F					35-120 F
Difference	7.0 °F	20.9 °F	24.4 °F	18.2 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH, HEATER.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____
Satisfactory Pre-cleaning Completed: YES ☑ NO ☐
Specified Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☑ SP 7 ☐ SP 10 ☐ SP 11 ☐
Actual Cleaning: SP 1 ☐ SP 2 ☐ SP 3 ☐ SP 5 ☐ SP 6 ☐ SP 7 ☐ SP 10 ☑ SP 11 ☐
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 2.3 mils



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: SWEEP BLAST WATER DAMAGE ON SAMPLE AREA LEVEL 20. 1 BLASTER.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 3/13/2024
QC Supervisor Signature: _____ Date: 3-18-24

The results relate only to items inspected/tested

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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2329 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 7 AREA D ABRASIVE BLASTING

Project: HANGAR 1
Inspector: TJ GARDNER
Date Worked: Wednesday, March 13, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

Time	6:51AM	10:51AM	12:51PM	3:51PM					Specified Conditions
Dry Bulb	61.0 °F	65.1 °F	68.1 °F	63.2 °F					35-120 F
Wet Bulb	56.3 °F	54.3 °F	55.9 °F	53.5 °F					
Depression	4.7 °F	10.8 °F	12.2 °F	9.7 °F					
Relative Humidity	74.2%	45.4%	41.1%	49.3%					85%
Dew Point	52.7 °F	43.5 °F	43.6 °F	43.9 °F					
Steel temp	59.8 °F	64.4 °F	68.0 °F	62.1 °F					35-120 F
Difference	7.0 °F	20.9 °F	24.4 °F	18.2 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH, HEATER
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

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



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: DAY #6 BLASTING 7D. 16 BLASTERS. BLATING COMPLETED BY NOON.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 3/13/2024
QC Supervisor Signature: _____ Date: _____

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	NICK RODRIGUEZ-ISRAEL VILLALOBOS	Inspector:	TJ GARDNER
Work Location:	MOFFETT FIELD CA.	Date Worked:	Tuesday, April 2, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ZONE 7 AREA B ABRASIVE BLASTING		MOFFETT FIELD CA.94305

Environmental Conditions:

	6:51AM	10:51AM	12:51PM	3:51PM					Specified Conditions
Time									
Dry Bulb	52.7 °F	64.2 °F	68.5 °F	71.9 °F					35-120 F
Wet Bulb	47.4 °F	58.3 °F	59.5 °F	59.7 °F					
Depression	5.3 °F	5.9 °F	9.0 °F	12.2 °F					
Relative Humidity	66.2%	69.4%	57.2%	45.3%					85%
Dew Point	41.7 °F	54.0 °F	52.8 °F	49.6 °F					
Steel temp	50.6 °F	63.6 °F	67.9 °F	70.9 °F					35-120 F
Difference	8.9 °F	9.6 °F	15.1 °F	21.4 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

Satisfactory Pre-cleaning Completed: YES ☑ NO ☐

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

Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 3..4 mils



PRIMER

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

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

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

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

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

Notes: 16 BLASTERS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 4/2/2024
QC Supervisor Signature: _____ Date: 4-4-24
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 7 AREA B ABRASIVE BLASTING

Project: HANGAR 1
Inspector: CHRISTOPHER RAMOS
Date Worked: Wednesday, April 3, 2024
Address: FORMER NAVAL AIR STATION MOFFETT FIELD CA.94305

Environmental Conditions:

Time	5:51AM	7:51AM	1:51PM	3:51PM					Specified Conditions
Dry Bulb	57.1 °F	60.1 °F	63.0 °F	64.2 °F					35-120 F
Wet Bulb	52.5 °F	55.0 °F	55.8 °F	56.1 °F					
Depression	4.6 °F	5.1 °F	7.2 °F	8.1 °F					
Relative Humidity	72.4%	60.1%	62.2%	58.7%					85%
Dew Point	48.4 °F	50.9 °F	49.9 °F	49.5 °F					
Steel temp	55.7 °F	58.8 °F	62.4 °F	63.1 °F					35-120 F
Difference	7.4 °F	7.9 °F	12.5 °F	13.7 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT AND DUST COLLECTORS, DH.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____
Satisfactory Pre-cleaning Completed: YES [☑] NO [☐]
Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 2.7 mils



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: 16 BLASTERS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 4/3/2024
QC Supervisor Signature: _____ Date: 4-11-24

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

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 7 AREA B ABRASIVE BLASTING

Project: HANGAR 1
Inspector: CHRISTOPHER RAMOS
Date Worked: Friday, April 5, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

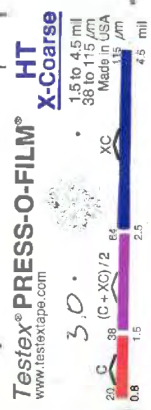
Environmental Conditions:

									Specified Conditions
Time	6:51AM	9:51AM	11:51 AM	2:51PM					
Dry Bulb	57.9 °F	59.9 °F	61.0 °F	65.3 °F					35-120 F
Wet Bulb	53.5 °F	54.4 °F	55.0 °F	57.4 °F					
Depression	4.4 °F	5.5 °F	6.0 °F	7.9 °F					
Relative Humidity	74.8%	69.7%	67.2%	60.4%					85%
Dew Point	49.9 °F	50.0 °F	50.1 °F	51.2 °F					
Steel temp	56.3 °F	58.4 °F	59.8 °F	65.0 °F					35-120 F
Difference	6.4 °F	8.5 °F	9.7 °F	13.8 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT, DUST COLLECTORS AND D.H.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. 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: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 3 mils



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: 14 BLASTER REBLAST WATER DAMAGE.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 4/5/2024
QC Supervisor Signature: _____ Date: 4-11-24

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

Client Representative:	McCARTHY	Project:	HANGAR 1
Certified Supervisor:	NICK RODRIGUEZ-ISRAEL VILLALOBOS	Inspector:	CHRISTOPHER RAMOS
Work Location:	MOFFETT FIELD CA.	Date Worked:	Tuesday, April 9, 2024
Owner:	GOOGLE	Address:	FORMER NAVAL AIR STATION
Task:	ZONE 7 AREA A ABRASIVE BLASTING		MOFFETT FIELD CA.94305

Environmental Conditions:

									Specified Conditions
Time	5:51AM	11:51AM	1:51PM	2:51PM					
Dry Bulb	53.9 °F	68.4 °F	70.6 °F	71.1 °F					35-120 F
Wet Bulb	47.9 °F	62.0 °F	60.3 °F	60.6 °F					
Depression	6.0 °F	6.4 °F	10.3 °F	11.0 °F					
Relative Humidity	63.0%	69.4%	53.3%	50.7%					85%
Dew Point	41.6 °F	58.0 °F	52.7 °F	52.3 °F					
Steel temp	51.8 °F	67.3 °F	69.5 °F	71.1 °F					35-120 F
Difference	10.2 °F	9.4 °F	16.7 °F	18.8 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT, DUST COLLECTORS AND D.H.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 447113

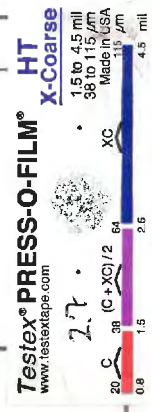
SURFACE PREPARATION

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



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: 16 BLASTER

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 4/9/2024
QC Supervisor Signature: _____ Date: 4-11-24

The results relate only to items inspected/tested

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

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 7 AREA A ABRASIVE BLASTING

Project: HANGAR 1
Inspector: CHRISTOPHER RAMOS
Date Worked: Wednesday, April 10, 2024
Address: FORMER NAVAL AIR STATION
MOFFETT FIELD CA.94305

Environmental Conditions:

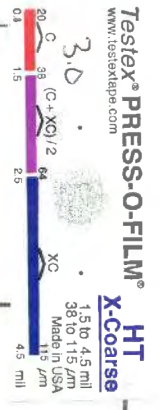
	6:21AM	10:21AM	1:21PM	3:21PM					Specified Conditions
Time									
Dry Bulb	59.1 °F	68.6 °F	72.0 °F	75.3 °F					35-120 F
Wet Bulb	52.4 °F	59.2 °F	59.7 °F	61.4 °F					
Depression	6.7 °F	9.4 °F	12.3 °F	13.9 °F					
Relative Humidity	62.1%	55.2%	45.2%	41.3%					85%
Dew Point	46.1 °F	51.7 °F	49.6 °F	50.2 °F					
Steel temp	57.3 °F	67.8 °F	70.8 °F	74.5 °F					35-120 F
Difference	11.1 °F	15.9 °F	21.2 °F	24.3 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT, DUST COLLECTORS AND D.H.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. 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: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES ☑ NO ☐
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES ☑ NO ☐
Abrasive cleanliness inspected and acceptable: YES ☑ NO ☐
Vial test performed on this batch of abrasive? YES ☑ NO ☐
Profile specified: 2 mils Actual Profile: 3 mils



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: 16 BLASTERS.

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 4/10/2024
QC Supervisor Signature: _____ Date: 4-25-24

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

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 7 AREA A ABRASIVE BLASTING

Project: HANGAR 1
Inspector: CHRISTOPHER RAMOS
Date Worked: Monday, April 15, 2024
Address: FORMER NAVAL AIR STATION MOFFETT FIELD CA.94305

Environmental Conditions:

	6:21 AM	10:21 AM	1:21PM	3:21PM					Specified Conditions
Time									
Dry Bulb	55.8 °F	55.5 °F	60.4 °F	62.6 °F					35-120 F
Wet Bulb	50.3 °F	50.8 °F	54.1 °F	54.9 °F					
Depression	5.5 °F	4.7 °F	6.3 °F	7.7 °F					
Relative Humidity	67.1%	71.3%	65.2%	59.6%					85%
Dew Point	45.1 °F	46.4 °F	48.7 °F	48.3 °F					
Steel temp	54.0 °F	53.8 °F	58.9 °F	60.8 °F					35-120 F
Difference	8.9 °F	7.4 °F	10.3 °F	12.5 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT, D.H. AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER _____

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

Specified Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☑] SP 7 [☐] SP 10 [☐] SP 11 [☐]
Actual Cleaning: SP 1 [☐] SP 2 [☐] SP 3 [☐] SP 5 [☐] SP 6 [☐] SP 7 [☐] SP 10 [☑] SP 11 [☐]
Pressure Washing: N/A PSI
Comments: N/A
Abrasive used: Type GARNET Compressed Air Tested? YES [☑] NO [☐]
Size GX2 (attach pictures of blotter - note date & time)
Blasting performed by evaluated/approved blasters: YES [☑] NO [☐]
Abrasive cleanliness inspected and acceptable: YES [☑] NO [☐]
Vial test performed on this batch of abrasive? YES [☑] NO [☐]
Profile specified: 2 mils Actual Profile: 2.6 mils



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: 15 BLASTERS

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 4/15/2024
QC Supervisor Signature: _____ Date: 4-25-24

The results relate only to items inspected/tested
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CERTIFIED COATINGS COMPANY/MUEHLHAN CERTIFIED COATINGS, INC.
2320 CORDELIA ROAD, FAIRFIELD, CA 94534
QUALITY CONTROL - DAILY REPORT

Client Representative: McCARTHY
Certified Supervisor: NICK RODRIGUEZ-ISRAEL VILLALOBOS
Work Location: MOFFETT FIELD CA.
Owner: GOOGLE
Task: ZONE 7 AREA A ABRASIVE BLASTING

Project: HANGAR 1
Inspector: CHRISTOPHER RAMOS
Date Worked: Tuesday, April 16, 2024
Address: FORMER NAVAL AIR STATION MOFFETT FIELD CA.94305

Environmental Conditions:

	6:21 AM	10:21 AM	1:21PM	4:21PM					Specified Conditions
Time									
Dry Bulb	57.4 °F	69.4 °F	70.2 °F	71.9 °F					35-120 F
Wet Bulb	51.3 °F	59.4 °F	59.4 °F	61.1 °F					
Depression	6.1 °F	10.0 °F	10.8 °F	10.8 °F					
Relative Humidity	64.7%	53.4%	50.6%	51.6%					85%
Dew Point	45.6 °F	51.8 °F	51.0 °F	53.1 °F					
Steel temp	55.1 °F	68.8 °F	69.2 °F	70.8 °F					35-120 F
Difference	9.4 °F	17.0 °F	18.2 °F	17.7 °F					+5 F
Conditions	SAT	SAT	SAT	SAT					

Environmental Controls? CONTAINMENT, D.H. AND DUST COLLECTORS.
Work area illumination value: >50 FC
Recommended Minimum Lighting: General - 10 FC, Task Specific - 20 FC, Inspection - 50 FC
QC Instrument Info. POSITECTOR Model No. DPM Serial No. 1025057

SURFACE PREPARATION

☑ STEEL ☐ CONCRETE ☐ WOOD ☐ OTHER

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

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

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



PRIMER

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

INTERMEDIATE ☐ ***FINISH*** ☐

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

Notes: 8 BLASTERS

The undersigned certifies that the above information is true and accurate to the best of my knowledge
QC Inspector Signature: _____ Date: 4/16/2024
QC Supervisor Signature: _____ Date: 4-25-24
Form No. QC0005 Revision: 2 Rev. Date 23-Sep-22 The results relate only to items inspected/tested
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 7

Hangar 1 NTRCRA

Former Naval Air Station Moffett Field, California

			Lead	PCBs								
			Result	Aroclor-1016	Aroclor-1221	Aroclor-1232	Aroclor-1242	Aroclor-1248	Aroclor-1254	Aroclor-1260	Aroclor-1262	Aroclor-1268
Location ID [a]	Sample Date	Enclosure	µg/ft^2	Concentration - µg/100 cm^2								
Cleanup Goal (High Occupancy Area)			<250	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10	≤10
AFRAME-C13W-LAT-L2-UP-C13.1-VS-240315-I	03/15/2024	C/D	**110**	--	--	--	--	--	--	--	--	--
AFRAME-C13W-LAT-L2-UP-C13.6-VS-240315-LA	03/15/2024	C/D	**21**	--	--	--	--	--	--	--	--	--
AFRAME-C14W-LAT-L2-INT-0.5 TO 1-240315-FB	03/15/2024	C/D	**21**	--	--	--	--	--	--	--	--	--
AFRAME-C13W-LAT-L2-DN-C13.7-VS-240315-I	03/15/2024	C/D	**51**	--	--	--	--	--	--	--	--	--
AFRAME-C13W-MED-L2-DN-C13.6-DG-240315-LA	03/15/2024	C/D	**82**	--	--	--	--	--	--	--	--	--
AFRAME-C13W-LAT-L2-DN-C13.5-DG-240315-LA	03/15/2024	C/D	**43**	--	--	--	--	--	--	--	--	--
AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-WF [b]	03/15/2024	C/D	**76**	--	--	--	--	--	--	--	--	--
AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-DUP-WF	03/15/2024	C/D	**150**	--	--	--	--	--	--	--	--	--
AFRAME-C14W-MED-L2-INT-0 TO 0.5-240315-FB	03/15/2024	C/D	**71**	--	--	--	--	--	--	--	--	--
AFRAME-C13W-MED-L1-UP-C13.6-DG-240315-SS	03/15/2024	C/D	**110**	--	--	--	--	--	--	--	--	--
AFRAME-C13W-LAT-L1-UP-C13.7-DG-240315-LA	03/15/2024	C/D	**91**	--	--	--	--	--	--	--	--	--
AFRAME-C14W-LAT-L1-HS-3-240315-A	03/15/2024	C/D	**63**	--	--	--	--	--	--	--	--	--
AFRAME-C14W-MED-L1-HS-3-240315-A [b]	03/15/2024	C/D	**54**	--	--	--	--	--	--	--	--	--
AFRAME-C14W-MED-L1-HS-3-240315-DUP-A	03/15/2024	C/D	**70**	--	--	--	--	--	--	--	--	--
AFRAME-C14W-MED-L1-HS-3-240315-G	03/15/2024	C/D	**21**	--	--	--	--	--	--	--	--	--
AFRAME-C13W-LAT-L1-DN-C13.7-HS-240315-LA	03/15/2024	C/D	**66**	--	--	--	--	--	--	--	--	--
AFRAME-C13W-LAT-L1-UP-C13.6-DG-240315-CB	03/15/2024	C/D	**74**	--	--	--	--	--	--	--	--	--
AFRAME-C14W-MED-L1-EXT-1 TO 2-240315-WF	03/15/2024	C/D	**94**	--	--	--	--	--	--	--	--	--
AFRAME-C13W-MED-L1-DN-C13.7-DG-240315-SS	03/15/2024	C/D	**48**	--	--	--	--	--	--	--	--	--
AFRAME-C13W-LAT-L1-DN-C13.7-DG-240315-CB	03/15/2024	C/D	**180**	--	--	--	--	--	--	--	--	--
AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-LA	03/15/2024	C/D	**57**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-DUP-LA	03/15/2024	C/D	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-LA	03/15/2024	C/D	**31**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-WF	03/15/2024	C/D	**79**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-LA	03/15/2024	C/D	**28**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-WF [b]	03/15/2024	C/D	**79**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-LA	03/15/2024	C/D	**28**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-LA	03/15/2024	C/D	**20**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-WF [b]	03/15/2024	C/D	**21**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-DUP-WF	03/15/2024	C/D	**22**	--	--	--	--	--	--	--	--	--
AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-LA	03/15/2024	C/D	**48**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-LA	03/15/2024	C/D	**53**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C14W-MED-L2-HS-1-240315-G	03/15/2024	C/D	**39**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-I	03/15/2024	C/D	**97**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C13E-LAT-L2-UP-C13.2-VS-240422-I	04/22/2024	A/B	**460**	--	--	--	--	--	--	--	--	--
AFRAME-C13E-LAT-L2-UP-C13.6-VS-240422-LA	04/22/2024	A/B	**320**	--	--	--	--	--	--	--	--	--
AFRAME-C14E-LAT-L2-INT-0.5 TO 1-240422-FB	04/22/2024	A/B	**170**	--	--	--	--	--	--	--	--	--
AFRAME-C13E-LAT-L2-DN-C13.7-VS-240422-I	04/22/2024	A/B	**19**	--	--	--	--	--	--	--	--	--
AFRAME-C13E-MED-L2-DN-C13.6-DG-240422-LA	04/22/2024	A/B	**380**	--	--	--	--	--	--	--	--	--
AFRAME-C13E-LAT-L2-DN-C13.5-DG-240422-LA	04/22/2024	A/B	**330**	--	--	--	--	--	--	--	--	--
AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-WF	04/22/2024	A/B	**77**	--	--	--	--	--	--	--	--	--
AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-DUP-WF [b]	04/22/2024	A/B	**47**	--	--	--	--	--	--	--	--	--
AFRAME-C14E-MED-L2-INT-0 TO 0.5-240422-FB	04/22/2024	A/B	**75**	--	--	--	--	--	--	--	--	--
AFRAME-C13E-MED-L1-UP-C13.6-DG-240422-SS	04/22/2024	A/B	**260**	--	--	--	--	--	--	--	--	--
AFRAME-C13E-LAT-L1-UP-C13.7-DG-240422-LA	04/22/2024	A/B	**29**	--	--	--	--	--	--	--	--	--
AFRAME-C14E-LAT-L1-HS-3-240422-A	04/22/2024	A/B	**110**	--	--	--	--	--	--	--	--	--
AFRAME-C14E-LAT-L1-HS-3-240422-DUP-A [b]	04/22/2024	A/B	**100**	--	--	--	--	--	--	--	--	--
AFRAME-C14E-MED-L1-HS-3-240422-A	04/22/2024	A/B	**68**	--	--	--	--	--	--	--	--	--
AFRAME-C14E-MED-L1-HS-3-240422-G	04/22/2024	A/B	**330**	--	--	--	--	--	--	--	--	--
AFRAME-C13E-LAT-L1-UP-C13.7-HS-240422-LA	04/22/2024	A/B	**29**	--	--	--	--	--	--	--	--	--
AFRAME-C13E-LAT-L1-UP-C13.6-DG-240422-CB	04/22/2024	A/B	**130**	--	--	--	--	--	--	--	--	--
AFRAME-C14E-MED-L1-EXT-1 TO 2-240422-WF	04/22/2024	A/B	**33**	--	--	--	--	--	--	--	--	--
AFRAME-C13E-MED-L1-DN-C13.7-DG-240422-SS	04/22/2024	A/B	**38**	--	--	--	--	--	--	--	--	--
AFRAME-C13E-LAT-L1-DN-C13.7-DG-240422-CB	04/22/2024	A/B	**100**	--	--	--	--	--	--	--	--	--
AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-LA	04/22/2024	A/B	**160**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-DUP-LA	04/22/2024	A/B	--	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-LA	04/22/2024	A/B	**120**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50

Validated Confirmation Wipe Sampling Results - High Occupancy Area within Zone 7

Hangar 1 NTRCRA

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 Area)			**<250**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**	**≤10**
AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-WF	04/22/2024	A/B	**130**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-LA	04/22/2024	A/B	**160**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-WF [b]	04/22/2024	A/B	**110**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-DUP-WF	04/22/2024	A/B	**130**	--	--	--	--	--	--	--	--	--
AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-LA	04/22/2024	A/B	**83**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-LA	04/22/2024	A/B	**130**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C14E-MED-L2-HS-1-240422-G	04/22/2024	A/B	**320**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-I	04/22/2024	A/B	**140**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-LA	04/22/2024	A/B	**34**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
95-Percent UCL (High Occupancy) [c]			**134**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
240315-FIELDBLANK1-HO	03/15/2024	C/D	**3.0**	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
240315-FIELDBLANK2-HO	03/15/2024	C/D	**0.50**	--	--	--	--	--	--	--	--	--
240422-FIELDBLANK1-HO	04/22/2024	A/B	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50
240422-FIELDBLANK2-HO	04/22/2024	A/B	**0.92**	--	--	--	--	--	--	--	--	--
240315-MEDBLANK1-HO	03/15/2024	C/D	<0.50	--	--	--	--	--	--	--	--	--
240315-MEDBLANK2-HO	03/15/2024	C/D	<0.50	--	--	--	--	--	--	--	--	--
240422-MEDBLANK1-HO	04/22/2024	A/B	<0.50	--	--	--	--	--	--	--	--	--
240422-MEDBLANK2-HO	04/22/2024	A/B	<0.50	--	--	--	--	--	--	--	--	--

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
U.S. EPA: United States Environmental Protection Agency
--: Not collected/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 input and output file is present in Attachment 4.
[a] Location ID corresponds to Field ID in the Laboratory Analytical Reports
[b] The lower result of each duplicate sample pair collected was not included in the calculation of the 95-percent UCL. If the concentration in the duplicate samples were the same, only one result was included in the ProUCL input file.
[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 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 : 504369
Report Level : II
Report Date : 03/19/2024

Analytical Report *prepared for:*

Austin Moore
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

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #:	504369
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	03/15/24

Sample ID	Lab ID	Collected	Matrix
AFRAME-C13W-LAT-L2-UP-C13.1-VS-240315-L-I	504369-001	03/15/24 10:55	Wipe
AFRAME-C13W-LAT-L2-UP-C13.6-VS-240315-L-LA	504369-002	03/15/24 10:45	Wipe
AFRAME-C14W-LAT-L2-INT-0.5 TO 1-240315-L-FB	504369-003	03/15/24 11:00	Wipe
AFRAME-C13W-LAT-L2-DN-C13.7-VS-240315-L-I	504369-004	03/15/24 11:20	Wipe
AFRAME-C13W-MED-L2-DN-C13.6-DG-240315-L-LA	504369-005	03/15/24 11:25	Wipe
AFRAME-C13W-LAT-L2-DN-C13.5-DG-240315-L-LA	504369-006	03/15/24 11:10	Wipe
AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-L-WF	504369-007	03/15/24 11:30	Wipe
AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-L-DUP-WF	504369-008	03/15/24 11:30	Wipe
AFRAME-C14W-MED-L2-INT-0 TO 0.5-240315-L-FB	504369-009	03/15/24 11:45	Wipe
AFRAME-C13W-MED-L1-UP-C13.6-DG-240315-L-SS	504369-010	03/15/24 12:20	Wipe
AFRAME-C13W-LAT-L1-UP-C13.7-DG-240315-L-LA	504369-011	03/15/24 12:05	Wipe
AFRAME-C14W-LAT-L1-HS-3-240315-L-A	504369-012	03/15/24 10:35	Wipe
AFRAME-C14W-MED-L1-HS-3-240315-L-A	504369-013	03/15/24 10:20	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #:	504369
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	03/15/24

Sample ID	Lab ID	Collected	Matrix
AFRAME-C14W-MED-L1-HS-3-240315-L-DUP-A	504369-014	03/15/24 10:20	Wipe
AFRAME-C14W-MED-L1-HS-3-240315-L-G	504369-015	03/15/24 10:30	Wipe
AFRAME-C13W-LAT-L1-DN-C13.7-HS-240315-L-LA	504369-016	03/15/24 10:45	Wipe
AFRAME-C13W-LAT-L1-UP-C13.6-DG-240315-L-CB	504369-017	03/15/24 10:55	Wipe
AFRAME-C14W-MED-L1-EXT-1 TO 2-240315-L-WF	504369-018	03/15/24 11:00	Wipe
AFRAME-C13W-MED-L1-DN-C13.7-DG-240315-L-SS	504369-019	03/15/24 11:20	Wipe
AFRAME-C13W-LAT-L1-DN-C13.7-DG-240315-L-CB	504369-020	03/15/24 11:10	Wipe
240315-L-FIELDBLANK1-HO	504369-021	03/15/24 08:55	Wipe
240315-L-MEDBLANK1-HO	504369-022	03/15/24 13:28	Wipe
240315-L-FIELDBLANK2-HO	504369-023	03/15/24 10:25	Wipe
240315-L-MEDBLANK2-HO	504369-024	03/15/24 13:30	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 504369 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 03/15/24

This data package contains sample and QC results for twenty four wipe samples, requested for the above referenced project on 03/18/24. The samples were received cold and intact.

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

504369

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:	X	Custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level II data validation

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead - EPA Method 3050/6010B									HOLD	Test Instructions / Comments
1	AFRAME-C13W-LAT-L2-UP-C13.1-VS-240315-L-I	3/15/2024	1055	WP	1	--	X										Confirmation Wipe Samples - Level II Report/Stage 2A Validation
2	AFRAME-C13W-LAT-L2-UP-C13.6-VS-240315-L-LA	3/15/2024	1045	WP	1	--	X										2x Rivet Type 2 = 0.0200 ft²
3	AFRAME-C14W-LAT-L2-INT-0.5 TO 1-240315-L-FB	3/15/2024	1100	WP	1	--	X										
4	AFRAME-C13W-LAT-L2-DN-C13.7-VS-240315-L-I	3/15/2024	1120	WP	1	--	X										
5	AFRAME-C13W-MED-L2-DN-C13.6-DG-240315-L-LA	3/15/2024	1125	WP	1	--	X										
6	AFRAME-C13W-LAT-L2-DN-C13.5-DG-240315-L-LA	3/15/2024	1110	WP	1	--	X										
7	AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-L-WF	3/15/2024	1130	WP	1	--	X										
8	AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-L-DUP-WF	3/15/2024	1130	WP	1	--	X										
9	AFRAME-C14W-MED-L2-INT-0 TO 0.5-240315-L-FB	3/15/2024	1145	WP	1	--	X										
10	AFRAME-C13W-MED-L1-UP-C13.6-DG-240315-L-SS	3/15/2024	1220	WP	1	--	X										
11	AFRAME-C13W-LAT-L1-UP-C13.7-DG-240315-L-LA	3/15/2024	1205	WP	1	--	X										2x Rivet Type 2 = 0.0200 ft²
12	AFRAME-C14W-LAT-L1-HS-3-240315-L-A	3/15/2024	1035	WP	1	--	X										
13	AFRAME-C14W-MED-L1-HS-3-240315-L-A	3/15/2024	1020	WP	1	--	X										
14	AFRAME-C14W-MED-L1-HS-3-240315-L-DUP-A	3/15/2024	1020	WP	1	--	X										
15	AFRAME-C14W-MED-L1-HS-3-240315-L-G	3/15/2024	1030	WP	1	--	X										

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon / Env. Scientist	3/15/24 1345
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	3/15/24 13:45
2 Relinquished By:	Audrey Hudson	"	"	3/15/24 16:40
2 Received By:				3/15/24 16:40
3 Relinquished By:				3/15/24 17:45
3 Received By:				3-16-24 922

504369

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:	X	Custom TAT:	

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

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

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

Report: Level II data validation

Sample Receipt Temp: [lab use only]

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	AFRAME-C13W-LAT-L1-DN-C13.7-HS-240315-L-LA	3/15/2024	1045	WP	1	--	X		1xRivet Type 2= 0.0100 ft²
17	AFRAME-C13W-LAT-L1-UP-C13.6-DG-240315-L-CB	3/15/2024	1055	WP	1	--	X		4xRivet Type 2= 0.0400 ft²
18	AFRAME-C14W-MED-L1-EXT-1 TO 2-240315-L-WF	3/15/2024	1100	WP	1	--	X		
19	AFRAME-C13W-MED-L1-DN-C13.7-DG-240315-L-SS	3/15/2024	1120	WP	1	--	X		
20	AFRAME-C13W-LAT-L1-DN-C13.7-DG-240315-L-CB	3/15/2024	1110	WP	1	--	X		6xRivet Type 2= 0.0600 ft²
21	240315-L-FIELDBLANK1-HO	3/15/2024	0855	WP	1	--	X		
22	240315-L-MEDBLANK1-HO	3/15/2024	1328	WP	1	--	X		
23	240315-L-FIELDBLANK2-HO	3/15/2024	1025	WP	1	--	X		
24	240315-L-MEDBLANK2-HO	3/15/2024	1330	WP	1	--	X		
25									
26									
27									
28									
29									
30									

Analysis Request

Test Instructions / Comments

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

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 7 Enclosure C/D (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon / Env. Scientist	3/15/24 1345
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	3/15/24 13:45
[2] Relinquished By:	Audrey Hudson	"	"	3/15/24 16:40
[2] Received By:				3/15/24 16:40
[3] Relinquished By:				3/15/24 17:45
[3] Received By:				3-16-24 922

The below sample checklist was completed after delivery of samples by the laboratory provided courier or Rincon personnel to Enthalpy Analytical in Berkeley, CA, therefore no custody seals were applied to the cooler.

SAMPLE RECEIPT CHECKLIST

ENTHALPY ANALYTICAL

Section 1: General Info

Date Received: 3/15/19 Login # 504369 Client: Rincon

Section 2: Shipping / Custody

Shipping Info: _____

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

Custody seals intact on arrival? ☐ Yes ☐ No ☐ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

Section 3: Condition / Packaging

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

Date Opened 3/15/19 By (print) m (sign) _____

☑ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____ #5: _____ #6: _____

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

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

Section 4: Containers / Labels / Samples

	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	✓		
Were Method 5035 sampling containers present? Transferred to freezer @: _____		✓	
Did all containers 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 about this delivery? Contacted: _____ By: _____ Date: _____		✓	

Section 5: Preservatives

	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)			
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ Date/Time _____

☐ HCL lot# _____ added to samples _____ Date/Time _____

☐ HNO3 lot# _____ added to samples _____ Date/Time _____

☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____

Section 6: Explanations / Comments

_____

_____

_____

_____

_____

_____

_____

_____

_____

Date Logged 3/15/19 **By (print)** m **(sign)** _____

Date Labeled 3/15/19 **By (print)** m **(sign)** _____

The below sample checklist was completed after the samples were shipped from the Enthalpy Analytical location in Berkeley, CA to the Enthalpy Analytical location in Orange, CA.

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants

Project: Hangar 1 NTCRA

Date Received: 3/16/24

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: 3.6 #2: _____ #3: _____ #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 some day as sample receipt to have a higher temperature as long as there is evidence that cooling has begun.)

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 1.4 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

For discrepancies, how was the Project Manager notified? ☐ Verbal PM Initials: _____ Date/Time _____ ☐ Email (email sent to/on): _____ / _____

Project Manager's response:

Completed By: _____ Date: 3-16-24


Printed on:
15 MAR 20:54
SOUTHWEST AIRLINES
526 OAK 1046 3143
ONT
PC#
1 OF 4
DG
G
LOT WT
195 LB
(88.5 KG)
OAK WN 1100 16 MAR 06:30
STN FLT DATE ETD
LOT 01
PC ID: 0001
PC WT: 49LB
526 10463143 0001
S

3.6/1.4

ENTHALPY ANALYTICAL

Lead

Lab #: 504369 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C13W-LAT-L2-UP-C13.1-VS-240315-L-I **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-001 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-001 Analyte	Result	RL	Units
Lead	**110**	0.50	ug/ft2

Field ID: AFRAME-C13W-LAT-L2-UP-C13.6-VS-240315-L-LA **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-002 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-002 Analyte	Result	RL	Units
Lead	**21**	0.50	ug/ft2

Field ID: AFRAME-C14W-LAT-L2-INT-0.5 TO 1-240315-L-FB **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-003 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-003 Analyte	Result	RL	Units
Lead	**21**	0.50	ug/ft2

Field ID: AFRAME-C13W-LAT-L2-DN-C13.7-VS-240315-L-I **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-004 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-004 Analyte	Result	RL	Units
Lead	**51**	0.50	ug/ft2

Field ID: AFRAME-C13W-MED-L2-DN-C13.6-DG-240315-L-LA **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-005 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-005 Analyte	Result	RL	Units
Lead	**82**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 504369 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C13W-LAT-L2-DN-C13.5-DG-240315-L-LA **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-006 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-006 Analyte	Result	RL	Units
Lead	**43**	0.50	ug/ft2

Field ID: AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-L-WF **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-007 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-007 Analyte	Result	RL	Units
Lead	**76**	0.50	ug/ft2

Field ID: AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-L-DUP-WF **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-008 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-008 Analyte	Result	RL	Units
Lead	**150**	0.50	ug/ft2

Field ID: AFRAME-C14W-MED-L2-INT-0 TO 0.5-240315-L-FB **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-009 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-009 Analyte	Result	RL	Units
Lead	**71**	0.50	ug/ft2

Field ID: AFRAME-C13W-MED-L1-UP-C13.6-DG-240315-L-SS **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-010 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-010 Analyte	Result	RL	Units
Lead	**110**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 504369 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C13W-LAT-L1-UP-C13.7-DG-240315-L-LA **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-011 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-011 Analyte	Result	RL	Units
Lead	**91**	0.50	ug/ft2

Field ID: AFRAME-C14W-LAT-L1-HS-3-240315-L-A **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-012 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-012 Analyte	Result	RL	Units
Lead	**63**	0.50	ug/ft2

Field ID: AFRAME-C14W-MED-L1-HS-3-240315-L-A **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-013 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-013 Analyte	Result	RL	Units
Lead	**54**	0.50	ug/ft2

Field ID: AFRAME-C14W-MED-L1-HS-3-240315-L-DUP-A **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-014 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-014 Analyte	Result	RL	Units
Lead	**70**	0.50	ug/ft2

Field ID: AFRAME-C14W-MED-L1-HS-3-240315-L-G **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-015 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-015 Analyte	Result	RL	Units
Lead	**21**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 504369 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C13W-LAT-L1-DN-C13.7-HS-240315-L-LA **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-016 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-016 Analyte	Result	RL	Units
Lead	**66**	0.50	ug/ft2

Field ID: AFRAME-C13W-LAT-L1-UP-C13.6-DG-240315-L-CB **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-017 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-017 Analyte	Result	RL	Units
Lead	**74**	0.50	ug/ft2

Field ID: AFRAME-C14W-MED-L1-EXT-1 TO 2-240315-L-WF **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-018 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-018 Analyte	Result	RL	Units
Lead	**94**	0.50	ug/ft2

Field ID: AFRAME-C13W-MED-L1-DN-C13.7-DG-240315-L-SS **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-019 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-019 Analyte	Result	RL	Units
Lead	**48**	0.50	ug/ft2

Field ID: AFRAME-C13W-LAT-L1-DN-C13.7-DG-240315-L-CB **Batch#:** 335542 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-020 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/16/24
Diln Fac: 1.000 **Analyzed:** 03/17/24

504369-020 Analyte	Result	RL	Units
Lead	**180**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 504369 **Project#:** 20-10491

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

Field ID: 240315-L-FIELDBLANK1-HO **Batch#:** 335543 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-021 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/18/24
Diln Fac: 1.000 **Analyzed:** 03/18/24

504369-021 Analyte	Result	RL	Units
Lead	**3.0**	0.50	ug/ft2

Field ID: 240315-L-MEDBLANK1-HO **Batch#:** 335543 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-022 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/18/24
Diln Fac: 1.000 **Analyzed:** 03/18/24

504369-022 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: 240315-L-FIELDBLANK2-HO **Batch#:** 335543 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-023 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/18/24
Diln Fac: 1.000 **Analyzed:** 03/18/24

504369-023 Analyte	Result	RL	Units
Lead	**0.50**	0.50	ug/ft2

Field ID: 240315-L-MEDBLANK2-HO **Batch#:** 335543 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504369-024 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/18/24
Diln Fac: 1.000 **Analyzed:** 03/18/24

504369-024 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK **Batch#:** 335542 **Analysis:** EPA 6010B
Lab ID: QC1136959 **Prepared:** 03/16/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 03/17/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1136959 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 504369 **Project#:** 20-10491

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

Type:	BLANK	**Batch#:**	335543	**Analysis:**	EPA 6010B
Lab ID:	QC1136966	**Prepared:**	03/18/24	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	03/18/24		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1136966 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 504369 **Project#:** 20-10491

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

Type: BS **Batch#:** 335542 **Analysis:** EPA 6010B
Lab ID: QC1136961 **Prepared:** 03/16/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 03/17/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1136961 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	53.88	108	80-120	ug/ft2

Type: BS **Batch#:** 335543 **Analysis:** EPA 6010B
Lab ID: QC1136967 **Prepared:** 03/18/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 03/18/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1136967 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	54.97	110	80-120	ug/ft2

Type: BSD **Batch#:** 335542 **Analysis:** EPA 6010B
Lab ID: QC1136962 **Prepared:** 03/16/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 03/17/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1136962 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	54.29	109	80-120	ug/ft2	1	20

Type: BSD **Batch#:** 335543 **Analysis:** EPA 6010B
Lab ID: QC1136968 **Prepared:** 03/18/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 03/18/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1136968 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	56.15	112	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

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

enthalpy.com

Lab Job Number : 504506
Report Level : IV
Report Date : 03/25/2024

PCBs

Analytical Report *prepared for:*

Austin Moore
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

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #:	504506
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	03/15/24

Sample ID	Lab ID	Collected	Matrix
AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-LA	504506-001	03/15/24 08:20	Wipe
AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-DUP-LA	504506-002	03/15/24 08:20	Wipe
AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-P-LA	504506-004	03/15/24 08:35	Wipe
AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-P-WF	504506-006	03/15/24 08:50	Wipe
AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-P-LA	504506-008	03/15/24 09:15	Wipe
AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-P-LA	504506-010	03/15/24 09:00	Wipe
AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-P-WF	504506-012	03/15/24 09:30	Wipe
AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-P-LA	504506-015	03/15/24 09:45	Wipe
AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-P-LA	504506-017	03/15/24 10:05	Wipe
AFRAME-C14W-MED-L2-HS-1-240315-P-G	504506-019	03/15/24 10:10	Wipe
AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-P-I	504506-021	03/15/24 10:30	Wipe
240315-P-FIELDBLANK1-HO	504506-023	03/15/24 08:55	Wipe

Case Narrative
PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 504506 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 03/15/24

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 03/18/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

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

Chain of Custody

504506

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (PB)	custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
1	AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-LA	3/15/2024	0820	WP	1	--	X			Confirmation Wipe Samples - Level IV Report/Stage 3 Validation Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 7 Enclosure C/D (High Occupancy)
2	AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-DUP-LA	3/15/2024	0820	WP	1	--	X			
3	AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-L-LA	3/15/2024	0820	WP	1	--		X		
4	AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-P-LA	3/15/2024	0835	WP	1	--	X			
5	AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-L-LA	3/15/2024	0835	WP	1	--		X		
6	AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-P-WF	3/15/2024	0850	WP	1	--	X			
7	AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-L-WF	3/15/2024	0850	WP	1	--		X		
8	AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-P-LA	3/15/2024	0915	WP	1	--	X			
9	AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-L-LA	3/15/2024	0915	WP	1	--		X		
10	AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-P-LA	3/15/2024	0900	WP	1	--	X			
11	AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-L-LA	3/15/2024	0900	WP	1	--		X		
12	AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-P-WF	3/15/2024	0930	WP	1	--	X			
13	AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-WF	3/15/2024	0930	WP	1	--		X		
14	AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-DUP-WF	3/15/2024	0930	WP	1	--		X		
15	AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-P-LA	3/15/2024	0945	WP	1	--	X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon / Env. Scientist	3/15/24 1345
1 Received By:	Audrey Hudson	AUBREY HUDSON	ENTHALPY "	3/15/24 13:45
2 Relinquished By:	Audrey Hudson	"	"	3/15/24 16:40
2 Received By:				3/15/24 16:40
3 Relinquished By:				3/15/24 17:45
3 Received By:				3-16-24 0952

504506

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

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
16	AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-L-LA	3/15/2024	0945	WP	1	--		X		
17	AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-P-LA	3/15/2024	1005	WP	1	--	X			
18	AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-L-LA	3/15/2024	1005	WP	1	--		X		
19	AFRAME-C14W-MED-L2-HS-1-240315-P-G	3/15/2024	1010	WP	1	--	X			
20	AFRAME-C14W-MED-L2-HS-1-240315-L-G	3/15/2024	1010	WP	1	--		X		
21	AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-P-I	3/15/2024	1030	WP	1	--	X			
22	AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-L-I	3/15/2024	1030	WP	1	--		X		
23	240315-P-FIELDBLANK1-HO	3/15/2024	0855	WP	1	--	X			
24										
25										
26										
27										
28										
29										
30										

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 7 Enclosure C/D (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon / Env. Scientist	3/15/24 1345
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	3/15/24 13:45
[2] Relinquished By:	Audrey Hudson	"	"	3/15/24 16:40
[2] Received By:				3/15/24 16:40
[3] Relinquished By:				3/15/24 17:45
[3] Received By:				3-16-24 922

The below sample checklist was completed after delivery of samples by the laboratory provided courier or Rincon personnel to Enthalpy Analytical in Berkeley, CA, therefore no custody seals were appied to the cooler.

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 3/16/24 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: 3.6 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 1.4 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: _____ Date: 3-16-24

Enthalpy Analytical, a subsidiary of Montrose Environmental Group ,Inc.
931 W. Barkley Ave, Orange, CA 92868 • T: (714) 771-6900 • F: (714) 538-1209
www.enthalpy.com/socal

The below sample checklist was completed after the samples were shipped from the Enthalpy Analytical location in Berkeley, CA to the Enthalpy Analytical location in Orange, CA.

SAMPLE RECEIPT CHECKLIST

ENTHALPY ANALYTICAL

Section 1: General Info

Date Received: 3/15/19 Login # 504506 Client: Ramon

Section 2: Shipping / Custody

Shipping Info: _____

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

Custody seals intact on arrival? ☐ Yes ☐ No ☐ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

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

Date Opened 3/15/19 By (print) M (sign) _____

☑ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____ #5: _____ #6: _____

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

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

Section 4: Containers / Labels / Samples	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	✓		
Were Method 5035 sampling containers present? Transferred to freezer @: _____		✓	
Did all containers 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 about this delivery? Contacted: _____ By: _____ Date: _____		✓	

Section 5: Preservatives	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)			
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

☐ H_2SO_4 lot# _____ added to samples _____ Date/Time _____

☐ HCL lot# _____ added to samples _____ Date/Time _____

☐ HNO_3 lot# _____ added to samples _____ Date/Time _____

☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____

Section 6: Explanations / Comments

Date Logged 3/15/19 **By (print)** m **(sign)** _____

Date Labeled 3/15/19 **By (print)** m **(sign)** _____


Printed on:
15 MAR 20:54
SOUTHWEST AIRLINES
526 OAK 1046 3143
ONT
PC#
1 OF 4
DG
G
LOT WT
195 LB
(88.5 KG)
OAK WN 1100 16 MAR 06:30
STN FLT DATE ETD
LOT 01
PC ID: 0001
PC WT: 49LB
526 10463143 0001
S

3.6/1.4

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 504506 **Project#:** 20-10491

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

Field ID: AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-LA **Batch#:** 335940 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 8082

Lab ID: 504506-001 **Received:** 03/15/24 **Analyst:** TJW

Matrix: Wipe **Prepared:** 03/21/24

Diln Fac: 1.000 **Analyzed:** 03/22/24

504506-001 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

504506-001 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	39	19-121

Field ID: AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-DUP-LA **Batch#:** 335940 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 8082

Lab ID: 504506-002 **Received:** 03/15/24 **Analyst:** TJW

Matrix: Wipe **Prepared:** 03/21/24

Diln Fac: 1.000 **Analyzed:** 03/22/24

504506-002 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

504506-002 Surrogate	%REC	Limits
TCMX (PCB)	59	19-121
Decachlorobiphenyl (PCB)	39	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 504506 **Project#:** 20-10491

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

Field ID: AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-P-LA **Batch#:** 335940 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 8082

Lab ID: 504506-004 **Received:** 03/15/24 **Analyst:** TJW

Matrix: Wipe **Prepared:** 03/21/24

Diln Fac: 1.000 **Analyzed:** 03/22/24

504506-004 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

504506-004 Surrogate	%REC	Limits
TCMX (PCB)	67	19-121
Decachlorobiphenyl (PCB)	50	19-121

Field ID: AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-P-WF **Batch#:** 335940 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 8082

Lab ID: 504506-006 **Received:** 03/15/24 **Analyst:** TJW

Matrix: Wipe **Prepared:** 03/21/24

Diln Fac: 1.000 **Analyzed:** 03/22/24

504506-006 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

504506-006 Surrogate	%REC	Limits
TCMX (PCB)	68	19-121
Decachlorobiphenyl (PCB)	43	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 504506 **Project#:** 20-10491

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

Field ID: AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-P-LA **Batch#:** 335940 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 8082

Lab ID: 504506-008 **Received:** 03/15/24 **Analyst:** TJW

Matrix: Wipe **Prepared:** 03/21/24

Diln Fac: 1.000 **Analyzed:** 03/22/24

504506-008 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

504506-008 Surrogate	%REC	Limits
TCMX (PCB)	57	19-121
Decachlorobiphenyl (PCB)	39	19-121

Field ID: AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-P-LA **Batch#:** 335940 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 8082

Lab ID: 504506-010 **Received:** 03/15/24 **Analyst:** TJW

Matrix: Wipe **Prepared:** 03/21/24

Diln Fac: 1.000 **Analyzed:** 03/22/24

504506-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

504506-010 Surrogate	%REC	Limits
TCMX (PCB)	61	19-121
Decachlorobiphenyl (PCB)	40	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 504506 **Project#:** 20-10491

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

Field ID: AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-P-WF **Batch#:** 335940 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 8082

Lab ID: 504506-012 **Received:** 03/15/24 **Analyst:** TJW

Matrix: Wipe **Prepared:** 03/21/24

Diln Fac: 1.000 **Analyzed:** 03/22/24

504506-012 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

504506-012 Surrogate	%REC	Limits
TCMX (PCB)	68	19-121
Decachlorobiphenyl (PCB)	43	19-121

Field ID: AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-P-LA **Batch#:** 335940 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 8082

Lab ID: 504506-015 **Received:** 03/15/24 **Analyst:** TJW

Matrix: Wipe **Prepared:** 03/21/24

Diln Fac: 1.000 **Analyzed:** 03/22/24

504506-015 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

504506-015 Surrogate	%REC	Limits
TCMX (PCB)	53	19-121
Decachlorobiphenyl (PCB)	38	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 504506 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-P-LA **Batch#:** 335940 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 8082
Lab ID: 504506-017 **Received:** 03/15/24 **Analyst:** TJW
Matrix: Wipe **Prepared:** 03/21/24
Diln Fac: 1.000 **Analyzed:** 03/22/24

504506-017 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

504506-017 Surrogate	%REC	Limits
TCMX (PCB)	61	19-121
Decachlorobiphenyl (PCB)	41	19-121

Field ID: AFRAME-C14W-MED-L2-HS-1-240315-P-G **Batch#:** 335940 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 8082
Lab ID: 504506-019 **Received:** 03/15/24 **Analyst:** TJW
Matrix: Wipe **Prepared:** 03/21/24
Diln Fac: 1.000 **Analyzed:** 03/22/24

504506-019 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

504506-019 Surrogate	%REC	Limits
TCMX (PCB)	53	19-121
Decachlorobiphenyl (PCB)	39	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 504506 **Project#:** 20-10491

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

Field ID: AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-P-I **Batch#:** 335940 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 8082

Lab ID: 504506-021 **Received:** 03/15/24 **Analyst:** TJW

Matrix: Wipe **Prepared:** 03/21/24

Diln Fac: 1.000 **Analyzed:** 03/22/24

504506-021 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

504506-021 Surrogate	%REC	Limits
TCMX (PCB)	56	19-121
Decachlorobiphenyl (PCB)	41	19-121

Field ID: 240315-P-FIELDBLANK1-HO **Batch#:** 335940 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 8082

Lab ID: 504506-023 **Received:** 03/15/24 **Analyst:** TJW

Matrix: Wipe **Prepared:** 03/21/24

Diln Fac: 1.000 **Analyzed:** 03/22/24

504506-023 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

504506-023 Surrogate	%REC	Limits
TCMX (PCB)	61	19-121
Decachlorobiphenyl (PCB)	39	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 504506 **Project#:** 20-10491

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

Type:	BLANK	**Batch#:**	335940	**Analysis:**	EPA 8082
Lab ID:	QC1138271	**Prepared:**	03/21/24	**Analyst:**	TJW
Matrix:	Wipe	**Analyzed:**	03/22/24		
Diln Fac:	1.000	**Prep:**	EPA 3546		

QC1138271 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

QC1138271 Surrogate	%REC	Limits
TCMX (PCB)	72	19-121
Decachlorobiphenyl (PCB)	45	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 504506 **Project#:** 20-10491

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

Type: BS **Batch#:** 335940 **Analysis:** EPA 8082

Lab ID: QC1138272 **Prepared:** 03/21/24 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 03/22/24

Diln Fac: 1.000 **Prep:** EPA 3546

QC1138272 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.776	76	60-140	ug/100 cm2
Aroclor-1260	5.000	3.421	68	60-140	ug/100 cm2

QC1138272 Surrogate	%REC	Limits
TCMX (PCB)	71	19-121
Decachlorobiphenyl (PCB)	46	19-121

Type: BSD **Batch#:** 335940 **Analysis:** EPA 8082

Lab ID: QC1138273 **Prepared:** 03/21/24 **Analyst:** TJW

Matrix: Wipe **Analyzed:** 03/22/24

Diln Fac: 1.000 **Prep:** EPA 3546

QC1138273 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	3.720	74	60-140	ug/100 cm2	2	20
Aroclor-1260	5.000	3.317	66	60-140	ug/100 cm2	3	20

QC1138273 Surrogate	%REC	Limits
TCMX (PCB)	69	19-121
Decachlorobiphenyl (PCB)	43	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 504506 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_031224_1
Calibration #:	464104819001	Date:	13-MAR-2024 03:02
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_0312240020	464104819020		13-MAR-2024 03:02	S19328
L2	gc07_0312240021	464104819021		13-MAR-2024 03:23	S19330
L3	gc07_0312240022	464104819022		13-MAR-2024 03:44	S19332
L4	gc07_0312240023	464104819023		13-MAR-2024 04:05	S19333
L5	gc07_0312240024	464104819024		13-MAR-2024 04:25	S19335
L6	gc07_0312240025	464104819025		13-MAR-2024 04:46	S19340
L7	gc07_0312240026	464104819026		13-MAR-2024 05:07	S19336
L8	gc07_0312240027	464104819027		13-MAR-2024 05:28	S19337
L9	gc07_0312240028	464104819028		13-MAR-2024 05:49	S19338
L10	gc07_0312240029	464104819029		13-MAR-2024 06:10	S19339

ENTHALPY INITIAL CALIBRATION FOR 504506 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_031224_1
Calibration #:	464104819001	Date:	13-MAR-2024 03:02
		X Axis:	R

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		50.0852		ug/L	0.0200	15	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		27.0383		ug/L	0.0370	13	10	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.5053		ug/L	0.0513	7	10	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		29.2393		ug/L	0.0342	8	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.6366		ug/L	0.0289	8	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.5483		ug/L	0.0604	9	10	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.2328		ug/L	0.0977	8	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.31702		ug/L	0.1073	7	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		16.6196		ug/L	0.0602	7	10	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		13.8626		ug/L	0.0721	8	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.77777		pg/uL	1.2857	8	10	.99	20	
TCMX (PCB)	A	AVRG		0.98544		pg/uL	1.0148	9	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		46.7996		ug/L	0.0214	14	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		22.5167		ug/L	0.0444	16	10	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		17.3357		ug/L	0.0577	16	10	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		26.1750		ug/L	0.0382	12	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		30.8095		ug/L	0.0325	12	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		13.4198		ug/L	0.0745	14	10	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		12.4294		ug/L	0.0805	14	10	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.1703		ug/L	0.0983	11	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		15.7659		ug/L	0.0634	10	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		11.3817		ug/L	0.0879	9	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.90814		pg/uL	1.1012	9	10	.99	20	
TCMX (PCB)	B	AVRG		0.99415		pg/uL	1.0059	9	10	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 504506 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_031224_1
Calibration #:	464104819001	Date:	13-MAR-2024 03:02
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF	L10 RF
Aroclor-1016 Peak # 1	A	0.0253	0.0226	0.0214	0.0208	0.0189	0.0228	0.0172	0.0173	0.0170	0.0165
Aroclor-1016 Peak # 2	A	0.0419	0.0445	0.0399	0.0386	0.0352	0.0419	0.0324	0.0324	0.0321	0.0308
Aroclor-1016 Peak # 3	A	0.0506	0.0543	0.0510	0.0510	0.0496	0.0593	0.0460	0.0487	0.0517	0.0504
Aroclor-1016 Peak # 4	A	0.0357	0.0361	0.0355	0.0351	0.0332	0.0400	0.0304	0.0323	0.0322	0.0317
Aroclor-1016 Peak # 5	A	0.0298	0.0305	0.0305	0.0297	0.0284	0.0334	0.0260	0.0272	0.0274	0.0260
Aroclor-1260 Peak # 1	A	0.0611	0.0642	0.0659	0.0643	0.0607	0.0672	0.0536	0.0566	0.0586	0.0521
Aroclor-1260 Peak # 2	A	0.1055	0.1003	0.1027	0.1029	0.0996	0.1077	0.0858	0.0922	0.0950	0.0856
Aroclor-1260 Peak # 3	A	0.1006	0.1040	0.1081	0.1115	0.1091	0.1243	0.0989	0.1070	0.1105	0.0993
Aroclor-1260 Peak # 4	A	0.0612	0.0575	0.0620	0.0629	0.0619	0.0674	0.0534	0.0591	0.0612	0.0550
Aroclor-1260 Peak # 5	A	0.0641	0.0653	0.0722	0.0739	0.0745	0.0819	0.0670	0.0733	0.0803	0.0689
Decachlorobiphenyl (PCB)	A	1.1360	1.2580	1.3428	1.4179	1.3562	1.3822	1.1307	1.2945	1.3711	1.1679
TCMX (PCB)	A	1.0800	1.1476	0.9823	0.9394	0.8976	1.1796	0.9192	0.9660	1.0188	1.0174
Aroclor-1016 Peak # 1	B	0.0262	0.0222	0.0240	0.0224	0.0210	0.0247	0.0191	0.0187	0.0181	0.0173
Aroclor-1016 Peak # 2	B	0.0531	0.0551	0.0487	0.0467	0.0436	0.0497	0.0387	0.0377	0.0367	0.0343
Aroclor-1016 Peak # 3	B	0.0729	0.0679	0.0630	0.0592	0.0558	0.0647	0.0480	0.0495	0.0492	0.0467
Aroclor-1016 Peak # 4	B	0.0398	0.0433	0.0427	0.0402	0.0389	0.0441	0.0343	0.0341	0.0334	0.0312
Aroclor-1016 Peak # 5	B	0.0358	0.0366	0.0354	0.0343	0.0329	0.0370	0.0292	0.0290	0.0283	0.0262
Aroclor-1260 Peak # 1	B	0.0742	0.0915	0.0841	0.0810	0.0768	0.0822	0.0655	0.0661	0.0657	0.0580
Aroclor-1260 Peak # 2	B	0.0827	0.0934	0.0930	0.0914	0.0851	0.0873	0.0690	0.0709	0.0701	0.0616
Aroclor-1260 Peak # 3	B	0.0942	0.1053	0.1108	0.1097	0.1049	0.1097	0.0875	0.0905	0.0909	0.0797
Aroclor-1260 Peak # 4	B	0.0582	0.0662	0.0685	0.0691	0.0688	0.0726	0.0572	0.0598	0.0605	0.0534
Aroclor-1260 Peak # 5	B	0.0871	0.0884	0.0953	0.0956	0.0935	0.0964	0.0798	0.0830	0.0863	0.0731
Decachlorobiphenyl (PCB)	B	1.1069	1.2055	1.1518	1.1915	1.1727	1.1795	0.9694	1.0447	1.0869	0.9027
TCMX (PCB)	B	1.0926	1.1051	1.0528	1.0020	0.9382	1.1698	0.9149	0.9207	0.9426	0.9202

ENTHALPY INITIAL CALIBRATION FOR 504506 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_031224_1
Calibration #:	464104819001	Date:	13-MAR-2024 03:02
		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	10.000	27	20.000	13	50.000	7	100.00	4	250.00	-6	500.00	14	750.00	-14	1000.0	-13
Aroclor-1016 Peak # 2	A	10.000	13	20.000	20	50.000	8	100.00	4	250.00	-5	500.00	13	750.00	-12	1000.0	-12
Aroclor-1016 Peak # 3	A	10.000	-1	20.000	6	50.000	0	100.00	-1	250.00	-3	500.00	16	750.00	-10	1000.0	-5
Aroclor-1016 Peak # 4	A	10.000	4	20.000	6	50.000	4	100.00	3	250.00	-3	500.00	17	750.00	-11	1000.0	-6
Aroclor-1016 Peak # 5	A	10.000	3	20.000	5	50.000	6	100.00	3	250.00	-2	500.00	16	750.00	-10	1000.0	-6
Aroclor-1260 Peak # 1	A	10.000	1	20.000	6	50.000	9	100.00	6	250.00	0	500.00	11	750.00	-11	1000.0	-6
Aroclor-1260 Peak # 2	A	10.000	8	20.000	3	50.000	5	100.00	5	250.00	2	500.00	10	750.00	-12	1000.0	-6
Aroclor-1260 Peak # 3	A	10.000	-6	20.000	-3	50.000	1	100.00	4	250.00	2	500.00	16	750.00	-8	1000.0	0
Aroclor-1260 Peak # 4	A	10.000	2	20.000	-4	50.000	3	100.00	5	250.00	3	500.00	12	750.00	-11	1000.0	-2
Aroclor-1260 Peak # 5	A	10.000	-11	20.000	-9	50.000	0	100.00	2	250.00	3	500.00	13	750.00	-7	1000.0	2
Decachlorobiphenyl (PCB)	A	0.8000	-12	1.6000	-2	4.0000	4	8.0000	10	20.000	5	40.000	8	60.000	-12	80.000	1
TCMX (PCB)	A	0.8000	6	1.6000	13	4.0000	-3	8.0000	-7	20.000	-12	40.000	16	60.000	-9	80.000	-5
Aroclor-1016 Peak # 1	B	10.000	23	20.000	4	50.000	12	100.00	5	250.00	-2	500.00	16	750.00	-11	1000.0	-13
Aroclor-1016 Peak # 2	B	10.000	20	20.000	**24**	50.000	10	100.00	5	250.00	-2	500.00	12	750.00	-13	1000.0	-15
Aroclor-1016 Peak # 3	B	10.000	26	20.000	18	50.000	9	100.00	3	250.00	-3	500.00	12	750.00	-17	1000.0	-14
Aroclor-1016 Peak # 4	B	10.000	4	20.000	13	50.000	12	100.00	5	250.00	2	500.00	16	750.00	-10	1000.0	-11
Aroclor-1016 Peak # 5	B	10.000	10	20.000	13	50.000	9	100.00	6	250.00	1	500.00	14	750.00	-10	1000.0	-11
Aroclor-1260 Peak # 1	B	10.000	0	20.000	**23**	50.000	13	100.00	9	250.00	3	500.00	10	750.00	-12	1000.0	-11
Aroclor-1260 Peak # 2	B	10.000	3	20.000	16	50.000	16	100.00	14	250.00	6	500.00	8	750.00	-14	1000.0	-12
Aroclor-1260 Peak # 3	B	10.000	-4	20.000	7	50.000	13	100.00	12	250.00	7	500.00	12	750.00	-11	1000.0	-8
Aroclor-1260 Peak # 4	B	10.000	-8	20.000	4	50.000	8	100.00	9	250.00	8	500.00	15	750.00	-10	1000.0	-6
Aroclor-1260 Peak # 5	B	10.000	-1	20.000	1	50.000	9	100.00	9	250.00	6	500.00	10	750.00	-9	1000.0	-6
Decachlorobiphenyl (PCB)	B	0.8000	1	1.6000	9	4.0000	5	8.0000	8	20.000	7	40.000	7	60.000	-12	80.000	-5
TCMX (PCB)	B	0.8000	9	1.6000	10	4.0000	5	8.0000	0	20.000	-7	40.000	16	60.000	-9	80.000	-8

ENTHALPY INITIAL CALIBRATION FOR 504506 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_031224_1
Calibration #:	464104819001	Date:	13-MAR-2024 03:02
		X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 2	A	1500.0	-13	2000.0	-17
Aroclor-1016 Peak # 3	A	1500.0	1	2000.0	-2
Aroclor-1016 Peak # 4	A	1500.0	-6	2000.0	-7
Aroclor-1016 Peak # 5	A	1500.0	-5	2000.0	-10
Aroclor-1260 Peak # 1	A	1500.0	-3	2000.0	-14
Aroclor-1260 Peak # 2	A	1500.0	-3	2000.0	-12
Aroclor-1260 Peak # 3	A	1500.0	3	2000.0	-8
Aroclor-1260 Peak # 4	A	1500.0	2	2000.0	-9
Aroclor-1260 Peak # 5	A	1500.0	11	2000.0	-5
Decachlorobiphenyl (PCB)	A	120.00	7	160.00	-9
TCMX (PCB)	A	120.00	0	160.00	0
Aroclor-1016 Peak # 1	B	1500.0	-15	2000.0	-19
Aroclor-1016 Peak # 2	B	1500.0	-17	2000.0	**-23**
Aroclor-1016 Peak # 3	B	1500.0	-15	2000.0	-19
Aroclor-1016 Peak # 4	B	1500.0	-12	2000.0	-18
Aroclor-1016 Peak # 5	B	1500.0	-13	2000.0	-19
Aroclor-1260 Peak # 1	B	1500.0	-12	2000.0	**-22**
Aroclor-1260 Peak # 2	B	1500.0	-13	2000.0	**-23**
Aroclor-1260 Peak # 3	B	1500.0	-8	2000.0	-19
Aroclor-1260 Peak # 4	B	1500.0	-5	2000.0	-16
Aroclor-1260 Peak # 5	B	1500.0	-2	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	-1	160.00	-18
TCMX (PCB)	B	120.00	-6	160.00	-9

TJW 03/14/24 : Manually integrated due to baseline corrections for 1016 A/B and 1260 A/B in multiple levels

Analyst: TJW 03/14/24

Reviewer: MTS 03/15/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 504506 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_031224_1
Calnum:	464104819001	Cal Date:	13-MAR-2024

- ICV 464104819030 (gc07_0312240030 13-MAR-2024) stds: S19897

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	473.3	ug/L	-5	15	
Aroclor-1260	A	500.0	444.5	ug/L	-11	15	
Aroclor-1016	B	500.0	464.9	ug/L	-7	15	
Aroclor-1260	B	500.0	430.7	ug/L	-14	15	

-

Analyst: TJW 03/14/24 **Reviewer:** MTS 03/15/24

ENTHALPY CONTINUING CALIBRATION FOR 504506 PCBS Wipe
EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	464118734104	File:	gc07_0322240104	Time:	22-MAR-2024 10:54
Cal:	464104819001	Caldate:	13-MAR-2024		

Standards: S20167

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	462.4	ug/L	-8	15	0.0000	
Aroclor-1260	A			500.0	495.0	ug/L	-1	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.2857	1.3602	40.00	42.32	pg/uL	6	15	0.0000	
TCMX (PCB)	A	1.0148	0.9136	40.00	36.01	pg/uL	-10	15	0.0000	
Aroclor-1016	B			500.0	462.6	ug/L	-7	15	0.0000	
Aroclor-1260	B			500.0	487.1	ug/L	-3	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1012	1.1699	40.00	42.50	pg/uL	6	15	0.0000	
TCMX (PCB)	B	1.0059	0.9067	40.00	36.06	pg/uL	-10	15	0.0000	

ISTD (ICAL gc07_0312240022)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8183621	7009835	-14.34
1-bromo-2-nitrobenzene (PCB)	A	46949222	36910905	-21.38

03/22/24 : 500 PPB PCB CCV

TJW 03/24/24 [Aroclor-1016 A]: Corrected automatically drawn baseline.

TJW 03/24/24 [Aroclor-1016 B]: Corrected automatically drawn baseline.

TJW 03/24/24 [Aroclor-1260 A]: Corrected automatically drawn baseline.

Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Enthalpy Internal Standard Summary for Sequence 464118734

Date:	03/22/24	Reference:	gc07_0312240022
Sequence:	SVOA-GC07 gc07_032224	Analyzed:	03/13/24 03:44

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	8183621	46949222
		LOWER LIMIT	4091811	23474611
		UPPER LIMIT	16367242	93898443
104	CCV		7009835	36910905

Enthalpy Internal Standard Summary for Sequence 464118734

Date:	03/22/24	Reference:	gc07_0322240104
Sequence:	SVOA-GC07 gc07_032224	Analyzed:	03/22/24 10:54

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV STD	7009835	36910905
		LOWER LIMIT	3504918	18455452
		UPPER LIMIT	14019670	73821809
110	BLANK	QC1138271	7363464	38921972
111	BS	QC1138272	6949715	35960716
112	BSD	QC1138273	7135551	39219158
113	SAMPLE	504506-001	7000636	70560373
114	SAMPLE	504506-002	6673005	49684931
115	SAMPLE	504506-004	6132410	33026628
116	SAMPLE	504506-006	7081275	39346746
117	SAMPLE	504506-008	6970333	37953373
118	SAMPLE	504506-010	7587262	40137508
119	SAMPLE	504506-012	6836850	61233819
120	SAMPLE	504506-015	6002993	31901210
121	SAMPLE	504506-017	6358358	34056969
122	SAMPLE	504506-019	5596597	29643268
123	SAMPLE	504506-021	6018271	31886896
124	SAMPLE	504506-023	6238341	33832829

Enthalpy Internal Standard Summary for Sequence 464118734

Date:	03/22/24	Reference:	gc07_0322240104
Sequence:	SVOA-GC07 gc07_032224	Analyzed:	03/22/24 10:54

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV STD	3.93	3.68
		LOWER LIMIT	3.73	3.48
		UPPER LIMIT	4.13	3.88
110	BLANK	QC1138271	3.93	3.68
111	BS	QC1138272	3.93	3.68
112	BSD	QC1138273	3.93	3.68
113	SAMPLE	504506-001	3.93	3.69
114	SAMPLE	504506-002	3.93	3.68
115	SAMPLE	504506-004	3.93	3.68
116	SAMPLE	504506-006	3.93	3.68
117	SAMPLE	504506-008	3.93	3.68
118	SAMPLE	504506-010	3.93	3.68
119	SAMPLE	504506-012	3.93	3.68
120	SAMPLE	504506-015	3.93	3.67
121	SAMPLE	504506-017	3.93	3.68
122	SAMPLE	504506-019	3.93	3.68
123	SAMPLE	504506-021	3.93	3.68
124	SAMPLE	504506-023	3.93	3.67

Enthalpy Sequence Summary for Sequence 464104819

Instrument: SVOA-GC07 Begun: 03/12/24 18:59
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
002	gc07_0312240002	PEM				03/12/24 18:59	1.0	1
003	gc07_0312240003	CCV				03/12/24 19:21	1.0	2
004	gc07_0312240004	CCV				03/12/24 19:42	1.0	3
010	gc07_0312240010	ICAL				03/12/24 23:39	1.0	4
011	gc07_0312240011	ICAL				03/13/24 00:00	1.0	5
012	gc07_0312240012	ICAL				03/13/24 00:21	1.0	6
013	gc07_0312240013	ICAL				03/13/24 00:42	1.0	7
014	gc07_0312240014	ICAL				03/13/24 00:59	1.0	8
015	gc07_0312240015	ICAL				03/13/24 01:20	1.0	9
016	gc07_0312240016	ICAL				03/13/24 01:41	1.0	10
017	gc07_0312240017	ICAL				03/13/24 02:02	1.0	11
020	gc07_0312240020	ICAL				03/13/24 03:02	1.0	12
021	gc07_0312240021	ICAL				03/13/24 03:23	1.0	13
022	gc07_0312240022	ICAL				03/13/24 03:44	1.0	14
023	gc07_0312240023	ICAL				03/13/24 04:05	1.0	15
024	gc07_0312240024	ICAL				03/13/24 04:25	1.0	16
025	gc07_0312240025	ICAL				03/13/24 04:46	1.0	17
026	gc07_0312240026	ICAL				03/13/24 05:07	1.0	18
027	gc07_0312240027	ICAL				03/13/24 05:28	1.0	19
028	gc07_0312240028	ICAL				03/13/24 05:49	1.0	20
029	gc07_0312240029	ICAL				03/13/24 06:10	1.0	21
030	gc07_0312240030	ICV				03/13/24 06:31	1.0	22

TJW 03/14/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 30.

Standards Used:
1=S19911 2=S20164 3=S20167 4=S20051 5=S20052 6=S20053 7=S20062 8=S20055 9=S20056 10=S20057 11=S20058 12=S19328 13=S19330 14=S19332 15=S19333 16=S19335 17=S19340 18=S19336 19=S19337 20=S19338 21=S19339 22=S19897

Enthalpy Sequence Summary for Sequence 464118734

Instrument: SVOA-GC07 Begun: 03/22/24 10:12
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
102	gc07_0322240102	PEM				03/22/24 10:12	1.0	1	
103	gc07_0322240103	CCV				03/22/24 10:33	1.0	2	ac
104	gc07_0322240104	CCV				03/22/24 10:54	1.0	3	
110	gc07_0322240110	BLANK	QC1138271	Wipe	335940	03/22/24 13:22	1.0	4	
111	gc07_0322240111	BS	QC1138272	Wipe	335940	03/22/24 13:42	1.0	4	
112	gc07_0322240112	BSD	QC1138273	Wipe	335940	03/22/24 14:03	1.0	4	
113	gc07_0322240113	SAMPLE	504506-001	Wipe	335940	03/22/24 14:24	1.0	4	
114	gc07_0322240114	SAMPLE	504506-002	Wipe	335940	03/22/24 14:45	1.0	4	
115	gc07_0322240115	SAMPLE	504506-004	Wipe	335940	03/22/24 15:06	1.0	4	
116	gc07_0322240116	SAMPLE	504506-006	Wipe	335940	03/22/24 15:27	1.0	4	
117	gc07_0322240117	SAMPLE	504506-008	Wipe	335940	03/22/24 15:48	1.0	4	
118	gc07_0322240118	SAMPLE	504506-010	Wipe	335940	03/22/24 16:09	1.0	4	
119	gc07_0322240119	SAMPLE	504506-012	Wipe	335940	03/22/24 16:30	1.0	4	
120	gc07_0322240120	SAMPLE	504506-015	Wipe	335940	03/22/24 16:47	1.0	4	
121	gc07_0322240121	SAMPLE	504506-017	Wipe	335940	03/22/24 17:08	1.0	4	
122	gc07_0322240122	SAMPLE	504506-019	Wipe	335940	03/22/24 17:29	1.0	4	
123	gc07_0322240123	SAMPLE	504506-021	Wipe	335940	03/22/24 17:50	1.0	4	
124	gc07_0322240124	SAMPLE	504506-023	Wipe	335940	03/22/24 18:08	1.0	4	

TJW 03/24/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 104 through 124.

ac=average CCV drift out

Standards Used:
1=S19911 2=S20164 3=S20167 4=S19190

SAMPLE PREPARATION SUMMARY

Batch #:	335940	Prep Date:	21-MAR-2024 16:33	Started By:	SNV
Analysis:	8080	Method:	3546	Finished By:	SNV

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S20264	Spike S20243	Analysis
QC1138271 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1138272 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1138273 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
504506-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
504506-002	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
504506-004	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
504506-006	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
504506-008	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
504506-010	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
504506-012	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
504506-015	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
504506-017	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
504506-019	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
504506-021	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
504506-023	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE

Analyst: TJW 03/24/24

Reviewer: LW 03/25/24

8081/8082/608.3 Prep Log

Prep Method: Microwave 3546 Matrix: Wipe Date/Time: 3/21/24 16:33 Initials: SNV

Hotblock ID: NA Therm Loc: NA Therm ID/CF: / 608.3 QC Batch#:

Hotblock Temp (Obs/Corr), °C: NA / 8081 QC Batch #:

Balance ID: NA Microdipenser ID: Syringe (8082) QC Batch #: 335940

Extraction Start Time*: 16:50 Extraction end time*: 17:35

* For hot block, microwave, shaker table

Sample ID	Cont. ID	Sample Initial Amount Circle one: (1 dm²) 2 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		MW-9	TV-09	10.0		
LCS		1		10		10.0		
LCSD		1		11		10.0		
594506-001	A	1		12		10.0		
-002		1		13		10.0		
-004		1		14		10.0		
-006		1		15	TV-08	10.0		
-008		1		16		10.0		
-010		1		17		10.0		
-012		1		18		10.0		
-015		1		19		10.0		
-017		1		20		10.0		
-019		1		21	TV-01	10.0		
-021		1		22		10.0		
-023		1		23		10.0		

Methylene Chloride Lot: NA Surrogate ID: S 20269 Volume: 500 µL

Exchange Solvent (Hexane) ID: Pest LCS Spike ID: Volume: µL

Acetone-Hexane Mix ID: WR-031624-003 PCB LCS Spike ID: S 20243 Volume: 500 µL

Sodium Sulfate Lot: 231669 Pest MS/MSD Spike ID: Volume: µL

Baked Sand Lot: NA PCB MS/MSD Spike ID: Volume: µL

REPORTING SUMMARY FOR 504506 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
504506-001	Aroclor-1016	SVOA-GC07	B	03/22/24 14:24
504506-001	Aroclor-1221	SVOA-GC07	B	03/22/24 14:24
504506-001	Aroclor-1232	SVOA-GC07	B	03/22/24 14:24
504506-001	Aroclor-1242	SVOA-GC07	B	03/22/24 14:24
504506-001	Aroclor-1248	SVOA-GC07	B	03/22/24 14:24
504506-001	Aroclor-1254	SVOA-GC07	B	03/22/24 14:24
504506-001	Aroclor-1260	SVOA-GC07	B	03/22/24 14:24
504506-001	Aroclor-1262	SVOA-GC07	B	03/22/24 14:24
504506-001	Aroclor-1268	SVOA-GC07	B	03/22/24 14:24
504506-001	TCMX (PCB)	SVOA-GC07	B	03/22/24 14:24
504506-001	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 14:24
504506-002	Aroclor-1016	SVOA-GC07	B	03/22/24 14:45
504506-002	Aroclor-1221	SVOA-GC07	B	03/22/24 14:45
504506-002	Aroclor-1232	SVOA-GC07	B	03/22/24 14:45
504506-002	Aroclor-1242	SVOA-GC07	B	03/22/24 14:45
504506-002	Aroclor-1248	SVOA-GC07	B	03/22/24 14:45
504506-002	Aroclor-1254	SVOA-GC07	B	03/22/24 14:45
504506-002	Aroclor-1260	SVOA-GC07	B	03/22/24 14:45
504506-002	Aroclor-1262	SVOA-GC07	B	03/22/24 14:45
504506-002	Aroclor-1268	SVOA-GC07	B	03/22/24 14:45
504506-002	TCMX (PCB)	SVOA-GC07	B	03/22/24 14:45
504506-002	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 14:45
504506-004	Aroclor-1016	SVOA-GC07	B	03/22/24 15:06
504506-004	Aroclor-1221	SVOA-GC07	B	03/22/24 15:06
504506-004	Aroclor-1232	SVOA-GC07	B	03/22/24 15:06
504506-004	Aroclor-1242	SVOA-GC07	B	03/22/24 15:06
504506-004	Aroclor-1248	SVOA-GC07	B	03/22/24 15:06
504506-004	Aroclor-1254	SVOA-GC07	B	03/22/24 15:06
504506-004	Aroclor-1260	SVOA-GC07	B	03/22/24 15:06
504506-004	Aroclor-1262	SVOA-GC07	B	03/22/24 15:06
504506-004	Aroclor-1268	SVOA-GC07	B	03/22/24 15:06

REPORTING SUMMARY FOR 504506 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
504506-004	TCMX (PCB)	SVOA-GC07	B	03/22/24 15:06
504506-004	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 15:06
504506-006	Aroclor-1016	SVOA-GC07	B	03/22/24 15:27
504506-006	Aroclor-1221	SVOA-GC07	B	03/22/24 15:27
504506-006	Aroclor-1232	SVOA-GC07	B	03/22/24 15:27
504506-006	Aroclor-1242	SVOA-GC07	B	03/22/24 15:27
504506-006	Aroclor-1248	SVOA-GC07	B	03/22/24 15:27
504506-006	Aroclor-1254	SVOA-GC07	B	03/22/24 15:27
504506-006	Aroclor-1260	SVOA-GC07	B	03/22/24 15:27
504506-006	Aroclor-1262	SVOA-GC07	B	03/22/24 15:27
504506-006	Aroclor-1268	SVOA-GC07	B	03/22/24 15:27
504506-006	TCMX (PCB)	SVOA-GC07	B	03/22/24 15:27
504506-006	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 15:27
504506-008	Aroclor-1016	SVOA-GC07	B	03/22/24 15:48
504506-008	Aroclor-1221	SVOA-GC07	B	03/22/24 15:48
504506-008	Aroclor-1232	SVOA-GC07	B	03/22/24 15:48
504506-008	Aroclor-1242	SVOA-GC07	B	03/22/24 15:48
504506-008	Aroclor-1248	SVOA-GC07	B	03/22/24 15:48
504506-008	Aroclor-1254	SVOA-GC07	B	03/22/24 15:48
504506-008	Aroclor-1260	SVOA-GC07	B	03/22/24 15:48
504506-008	Aroclor-1262	SVOA-GC07	B	03/22/24 15:48
504506-008	Aroclor-1268	SVOA-GC07	B	03/22/24 15:48
504506-008	TCMX (PCB)	SVOA-GC07	B	03/22/24 15:48
504506-008	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 15:48
504506-010	Aroclor-1016	SVOA-GC07	B	03/22/24 16:09
504506-010	Aroclor-1221	SVOA-GC07	B	03/22/24 16:09
504506-010	Aroclor-1232	SVOA-GC07	B	03/22/24 16:09
504506-010	Aroclor-1242	SVOA-GC07	B	03/22/24 16:09
504506-010	Aroclor-1248	SVOA-GC07	B	03/22/24 16:09
504506-010	Aroclor-1254	SVOA-GC07	B	03/22/24 16:09

REPORTING SUMMARY FOR 504506 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
504506-010	Aroclor-1260	SVOA-GC07	B	03/22/24 16:09
504506-010	Aroclor-1262	SVOA-GC07	B	03/22/24 16:09
504506-010	Aroclor-1268	SVOA-GC07	B	03/22/24 16:09
504506-010	TCMX (PCB)	SVOA-GC07	B	03/22/24 16:09
504506-010	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 16:09
504506-012	Aroclor-1016	SVOA-GC07	B	03/22/24 16:30
504506-012	Aroclor-1221	SVOA-GC07	B	03/22/24 16:30
504506-012	Aroclor-1232	SVOA-GC07	B	03/22/24 16:30
504506-012	Aroclor-1242	SVOA-GC07	B	03/22/24 16:30
504506-012	Aroclor-1248	SVOA-GC07	B	03/22/24 16:30
504506-012	Aroclor-1254	SVOA-GC07	B	03/22/24 16:30
504506-012	Aroclor-1260	SVOA-GC07	B	03/22/24 16:30
504506-012	Aroclor-1262	SVOA-GC07	B	03/22/24 16:30
504506-012	Aroclor-1268	SVOA-GC07	B	03/22/24 16:30
504506-012	TCMX (PCB)	SVOA-GC07	B	03/22/24 16:30
504506-012	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 16:30
504506-015	Aroclor-1016	SVOA-GC07	B	03/22/24 16:47
504506-015	Aroclor-1221	SVOA-GC07	B	03/22/24 16:47
504506-015	Aroclor-1232	SVOA-GC07	B	03/22/24 16:47
504506-015	Aroclor-1242	SVOA-GC07	B	03/22/24 16:47
504506-015	Aroclor-1248	SVOA-GC07	B	03/22/24 16:47
504506-015	Aroclor-1254	SVOA-GC07	B	03/22/24 16:47
504506-015	Aroclor-1260	SVOA-GC07	B	03/22/24 16:47
504506-015	Aroclor-1262	SVOA-GC07	B	03/22/24 16:47
504506-015	Aroclor-1268	SVOA-GC07	B	03/22/24 16:47
504506-015	TCMX (PCB)	SVOA-GC07	B	03/22/24 16:47
504506-015	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 16:47
504506-017	Aroclor-1016	SVOA-GC07	B	03/22/24 17:08
504506-017	Aroclor-1221	SVOA-GC07	B	03/22/24 17:08
504506-017	Aroclor-1232	SVOA-GC07	B	03/22/24 17:08

REPORTING SUMMARY FOR 504506 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
504506-017	Aroclor-1242	SVOA-GC07	B	03/22/24 17:08
504506-017	Aroclor-1248	SVOA-GC07	B	03/22/24 17:08
504506-017	Aroclor-1254	SVOA-GC07	B	03/22/24 17:08
504506-017	Aroclor-1260	SVOA-GC07	B	03/22/24 17:08
504506-017	Aroclor-1262	SVOA-GC07	B	03/22/24 17:08
504506-017	Aroclor-1268	SVOA-GC07	B	03/22/24 17:08
504506-017	TCMX (PCB)	SVOA-GC07	B	03/22/24 17:08
504506-017	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 17:08
504506-019	Aroclor-1016	SVOA-GC07	B	03/22/24 17:29
504506-019	Aroclor-1221	SVOA-GC07	B	03/22/24 17:29
504506-019	Aroclor-1232	SVOA-GC07	B	03/22/24 17:29
504506-019	Aroclor-1242	SVOA-GC07	B	03/22/24 17:29
504506-019	Aroclor-1248	SVOA-GC07	B	03/22/24 17:29
504506-019	Aroclor-1254	SVOA-GC07	B	03/22/24 17:29
504506-019	Aroclor-1260	SVOA-GC07	B	03/22/24 17:29
504506-019	Aroclor-1262	SVOA-GC07	B	03/22/24 17:29
504506-019	Aroclor-1268	SVOA-GC07	B	03/22/24 17:29
504506-019	TCMX (PCB)	SVOA-GC07	B	03/22/24 17:29
504506-019	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 17:29
504506-021	Aroclor-1016	SVOA-GC07	B	03/22/24 17:50
504506-021	Aroclor-1221	SVOA-GC07	B	03/22/24 17:50
504506-021	Aroclor-1232	SVOA-GC07	B	03/22/24 17:50
504506-021	Aroclor-1242	SVOA-GC07	B	03/22/24 17:50
504506-021	Aroclor-1248	SVOA-GC07	B	03/22/24 17:50
504506-021	Aroclor-1254	SVOA-GC07	B	03/22/24 17:50
504506-021	Aroclor-1260	SVOA-GC07	B	03/22/24 17:50
504506-021	Aroclor-1262	SVOA-GC07	B	03/22/24 17:50
504506-021	Aroclor-1268	SVOA-GC07	B	03/22/24 17:50
504506-021	TCMX (PCB)	SVOA-GC07	B	03/22/24 17:50
504506-021	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 17:50

REPORTING SUMMARY FOR 504506 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
504506-023	Aroclor-1016	SVOA-GC07	B	03/22/24 18:08
504506-023	Aroclor-1221	SVOA-GC07	B	03/22/24 18:08
504506-023	Aroclor-1232	SVOA-GC07	B	03/22/24 18:08
504506-023	Aroclor-1242	SVOA-GC07	B	03/22/24 18:08
504506-023	Aroclor-1248	SVOA-GC07	B	03/22/24 18:08
504506-023	Aroclor-1254	SVOA-GC07	B	03/22/24 18:08
504506-023	Aroclor-1260	SVOA-GC07	B	03/22/24 18:08
504506-023	Aroclor-1262	SVOA-GC07	B	03/22/24 18:08
504506-023	Aroclor-1268	SVOA-GC07	B	03/22/24 18:08
504506-023	TCMX (PCB)	SVOA-GC07	B	03/22/24 18:08
504506-023	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 18:08
QC1138271	Aroclor-1016	SVOA-GC07	B	03/22/24 13:22
QC1138271	Aroclor-1221	SVOA-GC07	B	03/22/24 13:22
QC1138271	Aroclor-1232	SVOA-GC07	B	03/22/24 13:22
QC1138271	Aroclor-1242	SVOA-GC07	B	03/22/24 13:22
QC1138271	Aroclor-1248	SVOA-GC07	B	03/22/24 13:22
QC1138271	Aroclor-1254	SVOA-GC07	B	03/22/24 13:22
QC1138271	Aroclor-1260	SVOA-GC07	B	03/22/24 13:22
QC1138271	Aroclor-1262	SVOA-GC07	B	03/22/24 13:22
QC1138271	Aroclor-1268	SVOA-GC07	B	03/22/24 13:22
QC1138271	TCMX (PCB)	SVOA-GC07	B	03/22/24 13:22
QC1138271	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 13:22
QC1138272	Aroclor-1016	SVOA-GC07	B	03/22/24 13:42
QC1138272	Aroclor-1260	SVOA-GC07	B	03/22/24 13:42
QC1138272	TCMX (PCB)	SVOA-GC07	B	03/22/24 13:42
QC1138272	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 13:42
QC1138273	Aroclor-1016	SVOA-GC07	B	03/22/24 14:03
QC1138273	Aroclor-1260	SVOA-GC07	B	03/22/24 14:03
QC1138273	TCMX (PCB)	SVOA-GC07	B	03/22/24 14:03
QC1138273	Decachlorobiphenyl (PCB)	SVOA-GC07	B	03/22/24 14:03

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	504506-001	Client ID:	AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-LA
Seqnum:	464118734113	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_0322240113	Batch:	335940	Time:	22-MAR-2024 14:24
Cal:	464104819001	Caldate:	13-MAR-2024		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	53.67	ug/L	~~0.54~~ FP	0.93	54%	0.50		x u
Aroclor-1016 Peak # 1	B	86.32	ug/L	0.86	1.16	29%			
Aroclor-1016 Peak # 2	B	72.06	ug/L	0.72	0.17	125%			
Aroclor-1016 Peak # 3	B	102.7	ug/L	1.03	0.07	173%			
Aroclor-1016 Peak # 4	B	2.557	ug/L	0.03	3.11	197%			
Aroclor-1016 Peak # 5	B	4.673	ug/L	0.05	0.14	99%			
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	56.39	ug/L	~~0.56~~ FP	0.27	71%	0.50		x u
Aroclor-1260 Peak # 1	B	0.3065	ug/L	0.00	0.70	198%			
Aroclor-1260 Peak # 2	B	8.199	ug/L	0.08	0.01	146%			
Aroclor-1260 Peak # 3	B	10.82	ug/L	0.11	0.08	25%			
Aroclor-1260 Peak # 4	B	213.6	ug/L	2.14	0.52	122%			
Aroclor-1260 Peak # 5	B	48.96	ug/L	0.49	0.02	187%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	32.60	pg/uL	0.5000	0.3260	65	19-121	u
Decachlorobiphenyl (PCB)	B	19.27	pg/uL	0.5000	0.1927	39	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	7000636	-0.13
1-bromo-2-nitrobenzene (PCB)	A	36910905	70560373	91.16

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.69	0.01

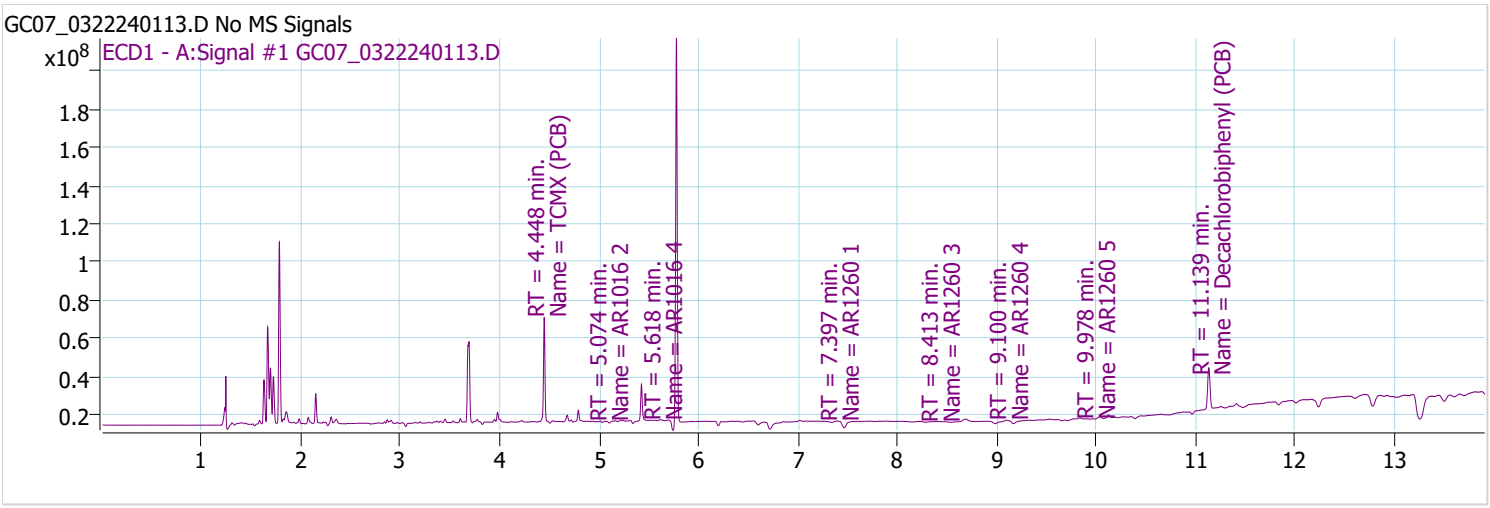
03/24/24 : WIPE/1-10ML

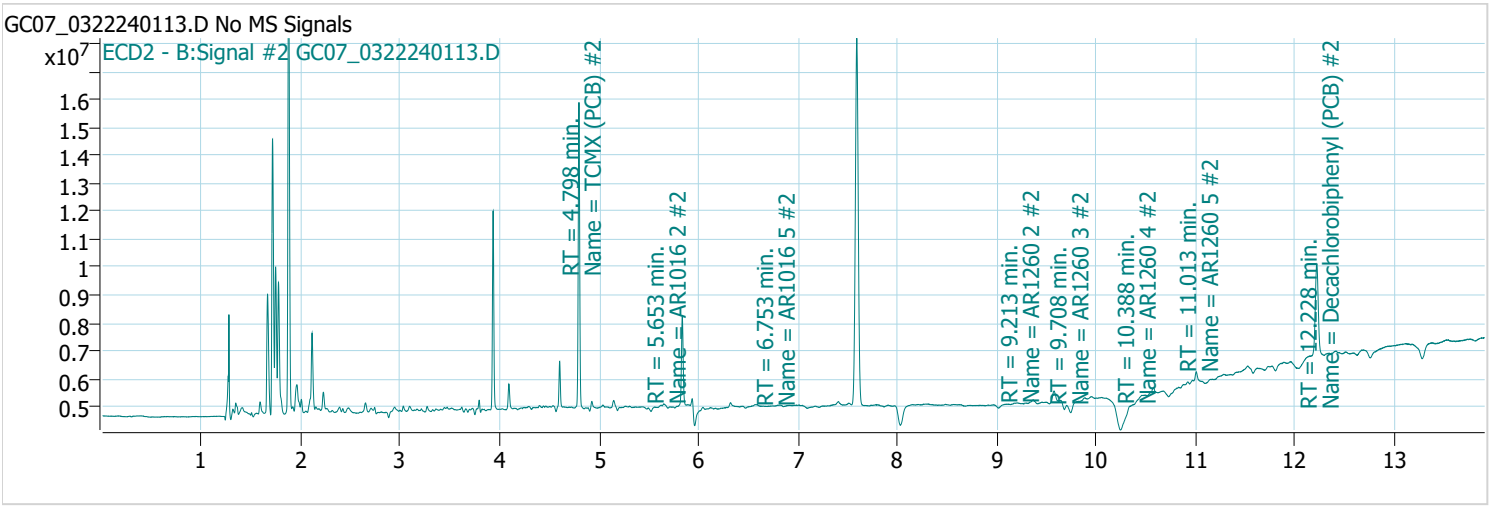
u=use x=false positive

Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240113.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 2:24:39 PM
Sample Name	504506-001, 335940, 1	Instrument	SVOA-GC07
Vial	4	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



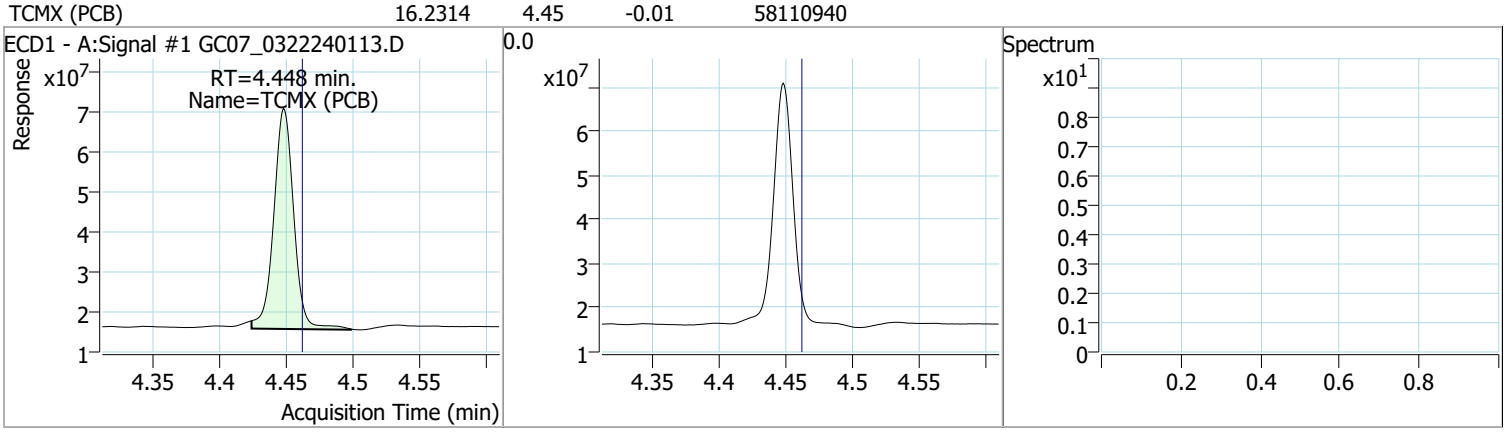


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.690	0.0	70560372.689	20.0000	ng/ml		0.003
M 1-bromo-2-nitrobenzene (PCB) #2	3.933	0.0	7000636.474	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.448	0.0	58110939.523	16.2314	ng/ml		-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 81.16%			
S TCMX (PCB) #2	4.798	0.0	11479753.217	32.6043	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 163.02%		*	
S Decachlorobiphenyl (PCB)	11.139	0.0	38222962.496	8.4265	ng/ml		-0.023
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 42.13%		*	
S Decachlorobiphenyl (PCB) #2	12.228	0.0	7425680.691	19.2655	ng/ml		-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 96.33%			
Target Compounds							QValue

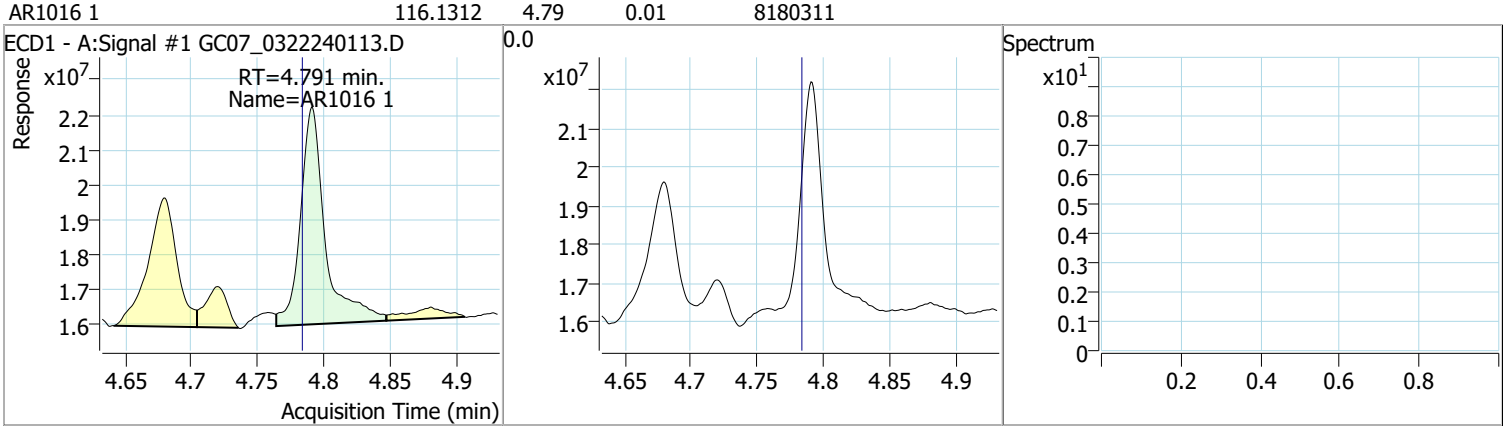
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.791	0.0	8180310.802	116.1312	ng/ml	100
T AR1016 2	5.074	0.0	2165873.103	16.5990	ng/ml	100
T AR1016 1 #2	5.307	0.0	645637.790	86.3224	ng/ml	100
T AR1016 3	5.525	0.0	1326142.707	7.3318	ng/ml	100
T AR1016 4	5.618	0.0	37546582.861	311.1760	ng/ml	100
T AR1016 2 #2	5.653	0.0	1120244.267	72.0626	ng/ml	100
T AR1016 5	6.085	0.0	1409985.339	13.8426	ng/ml	100
T AR1016 3 #2	6.045	0.0	2074292.106	102.7315	ng/ml	100
T AR1016 4 #2	6.169	0.0	34194.818	2.5571	ng/ml	100
T AR1016 5 #2	6.753	0.0	53094.176	4.6733	ng/ml	100
T AR1260 1	7.397	0.0	14972840.526	70.2305	ng/ml	100
T AR1260 2	7.814	0.0	445683.492	1.2927	ng/ml	100
T AR1260 3	8.413	0.0	3189240.273	8.4223	ng/ml	100
T AR1260 1 #2	8.857	0.0	7995.195	0.3065	ng/ml	100
T AR1260 4	9.100	0.0	11072008.785	52.1574	ng/ml	100
T AR1260 2 #2	9.213	0.0	230897.613	8.1990	ng/ml	100
T AR1260 3 #2	9.708	0.0	372461.017	10.8220	ng/ml	100
T AR1260 5	9.978	0.0	422705.090	1.6609	ng/ml	100
T AR1260 4 #2	10.388	0.0	4743187.825	213.6394	ng/ml	100
T AR1260 5 #2	11.013	0.0	1505695.535	48.9596	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

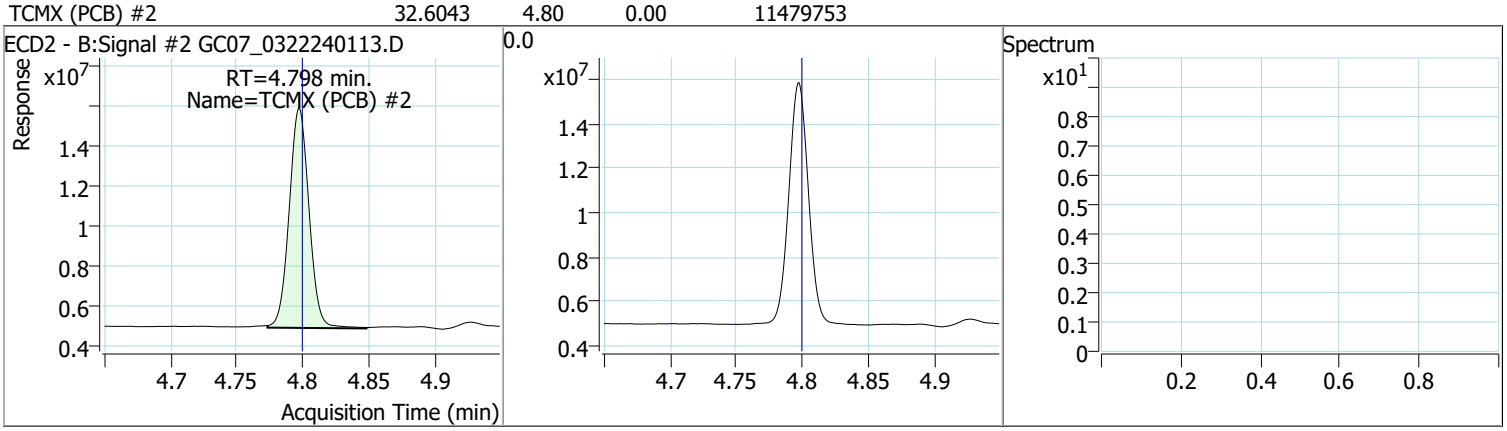
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	16.2314	4.45	-0.01	58110940				



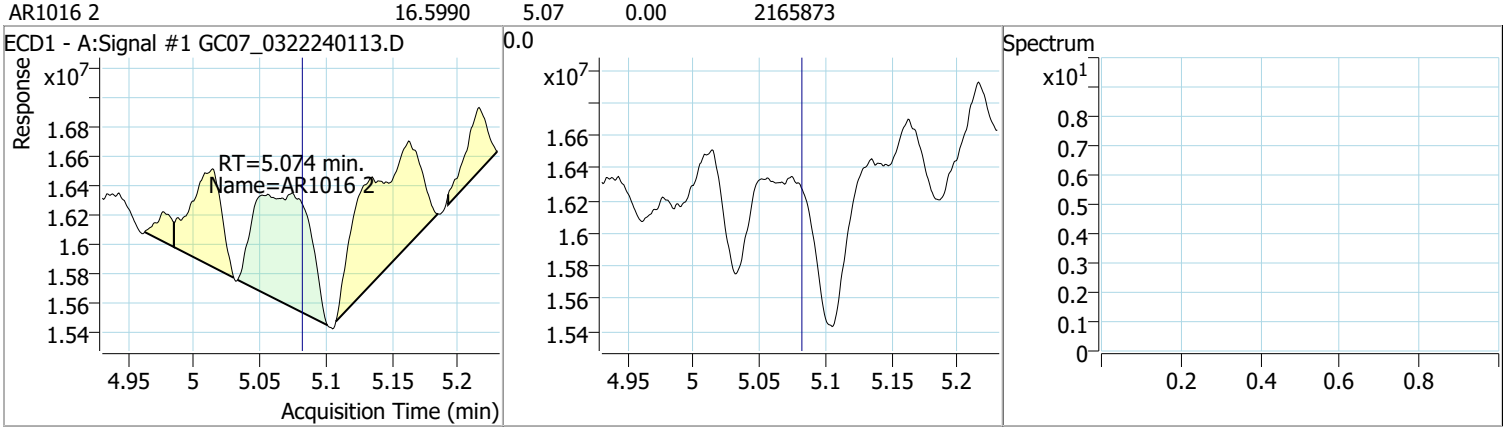
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	116.1312	4.79	0.01	8180311				



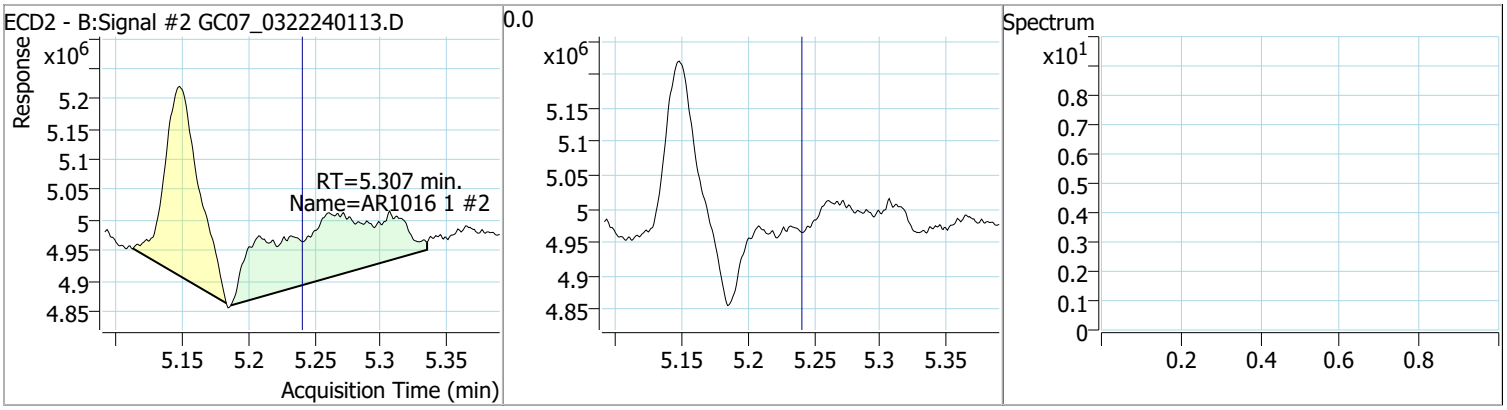
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.6043	4.80	0.00	11479753				



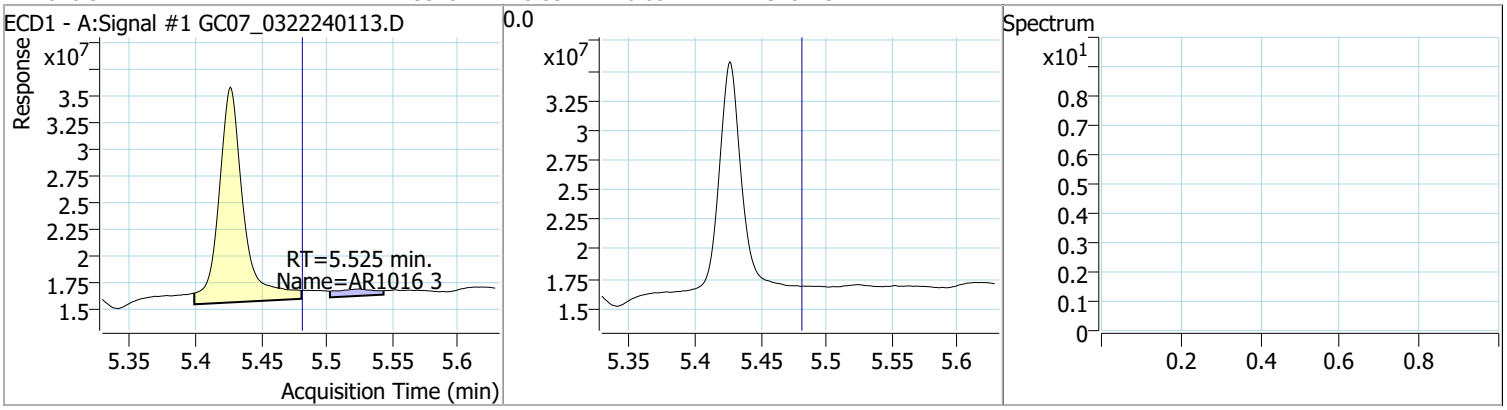
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	16.5990	5.07	0.00	2165873				



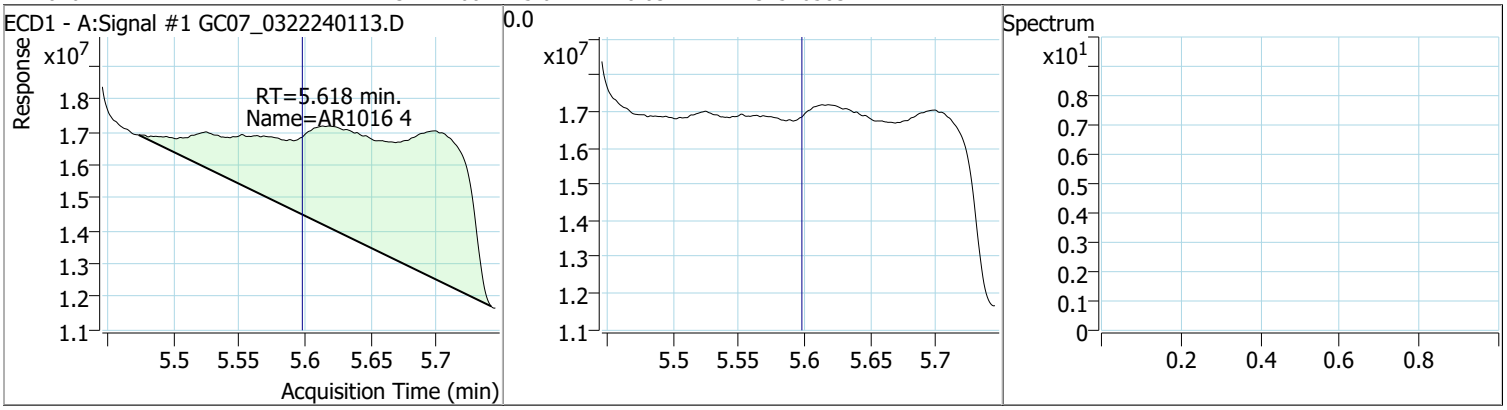
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	86.3224	5.31	0.06	645638				



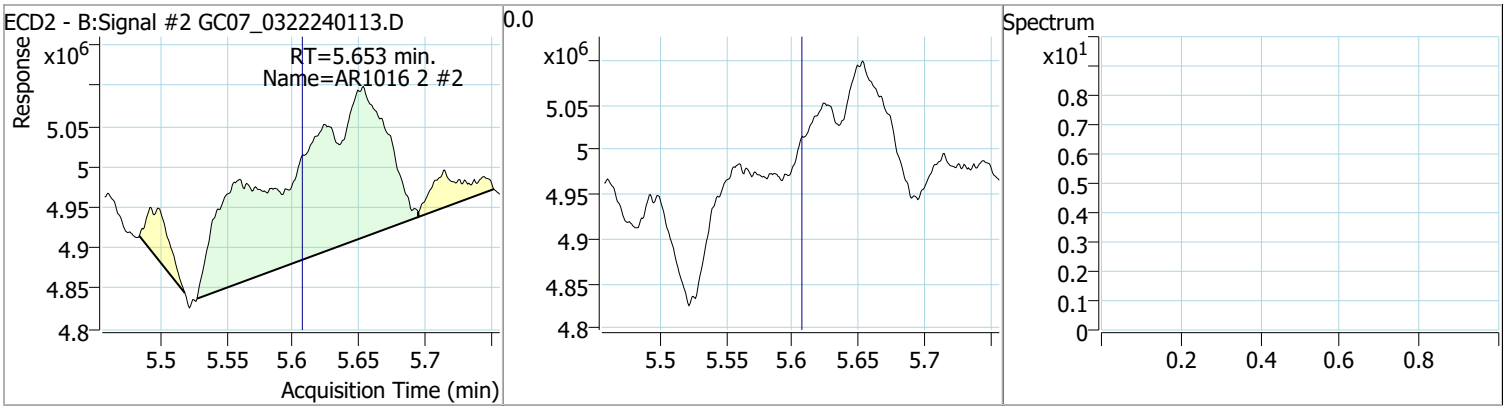
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	7.3318	5.53	0.05	1326143				



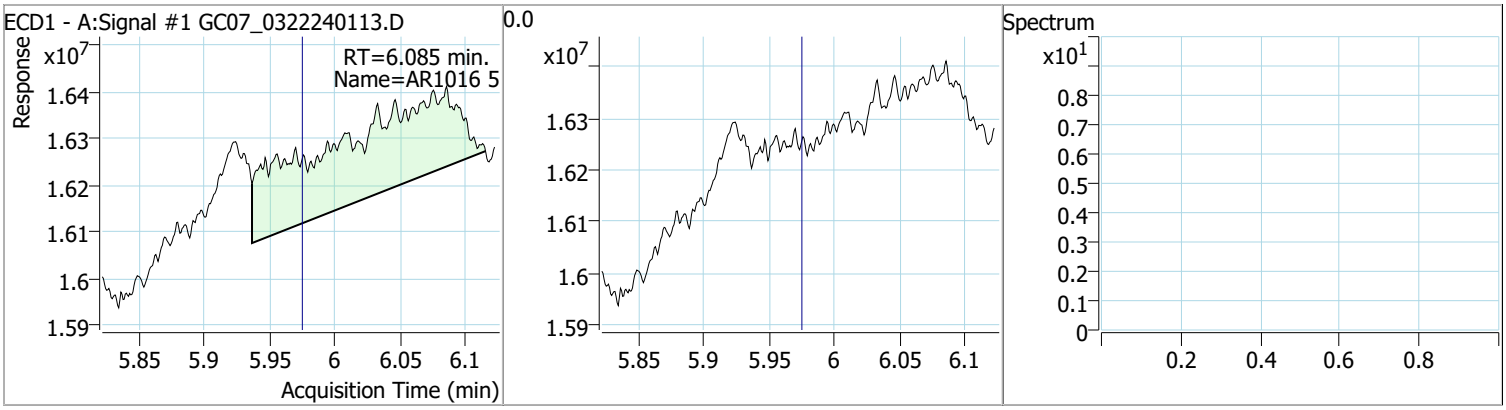
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	311.1760	5.62	0.03	37546583				



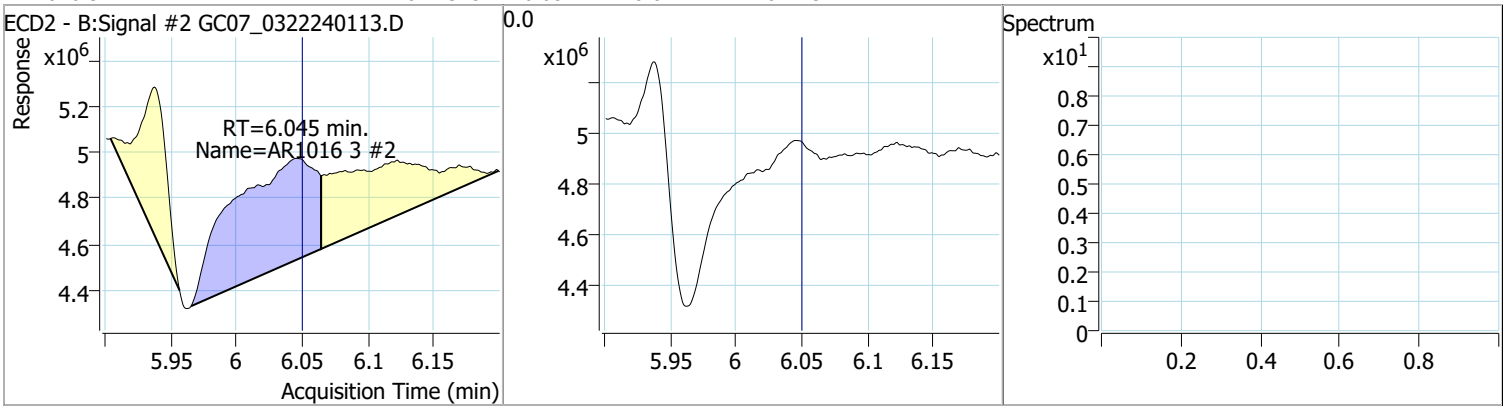
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	72.0626	5.65	0.04	1120244				



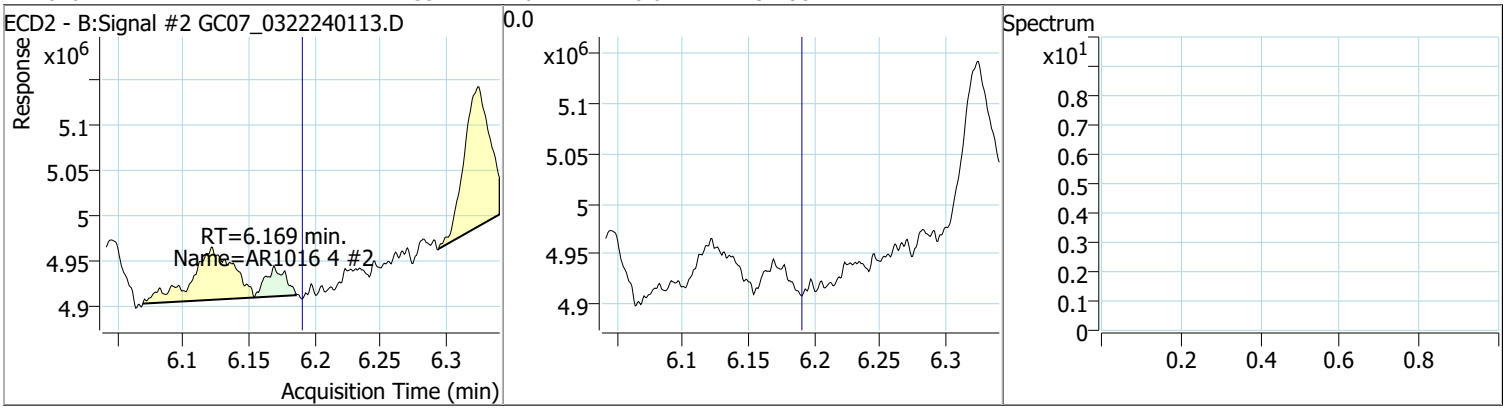
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	13.8426	6.09	0.12	1409985				



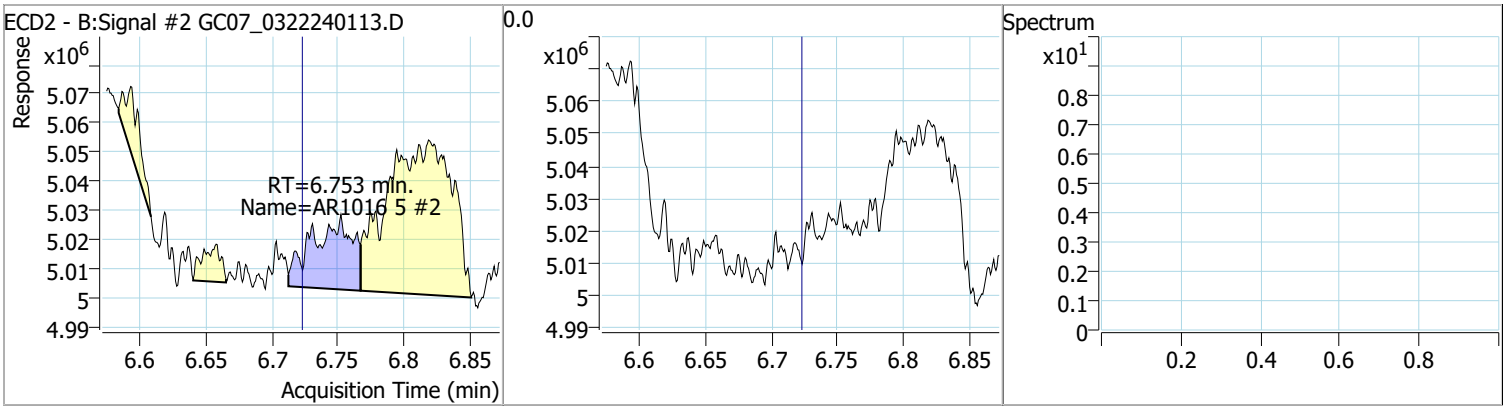
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	102.7315	6.05	-0.01	2074292				



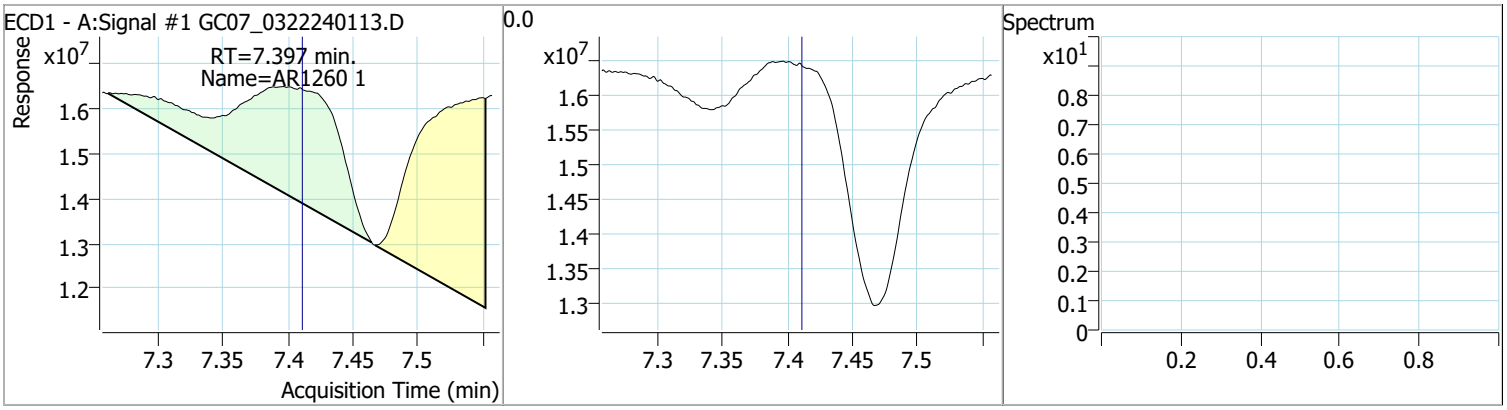
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.5571	6.17	-0.02	34195				



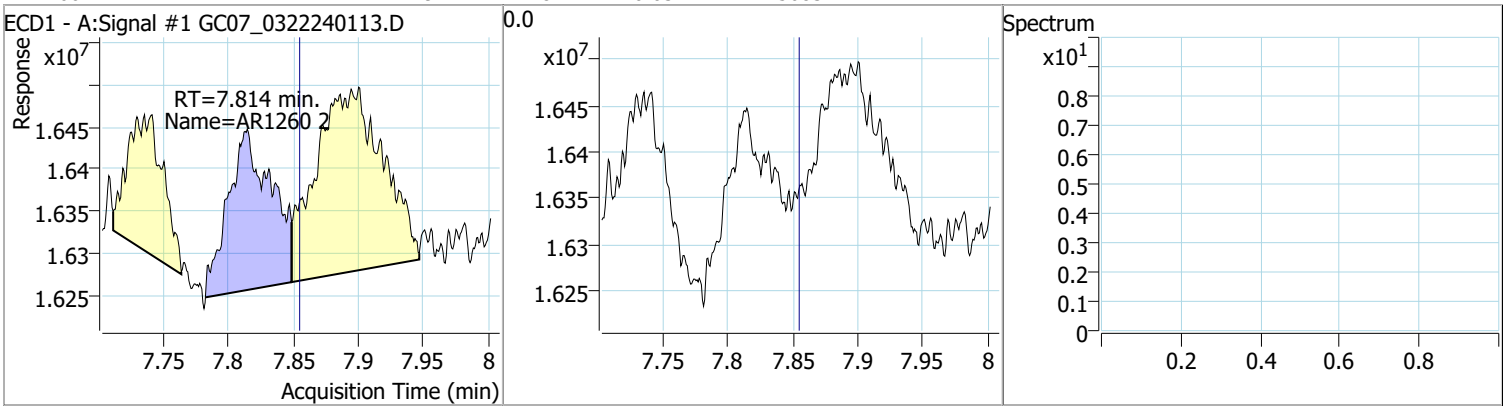
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	4.6733	6.75	0.03	53094				



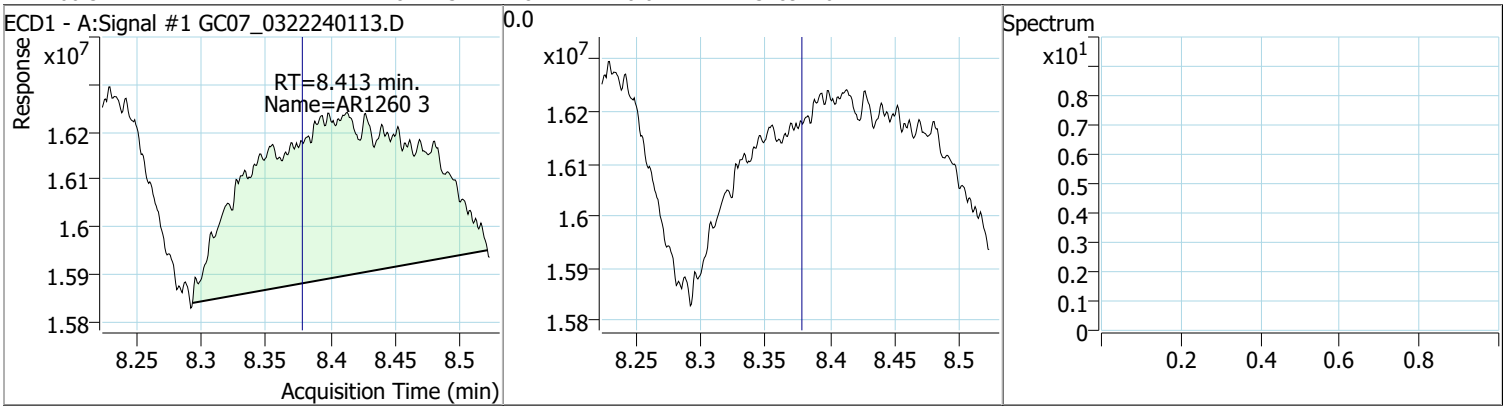
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	70.2305	7.40	-0.01	14972841				



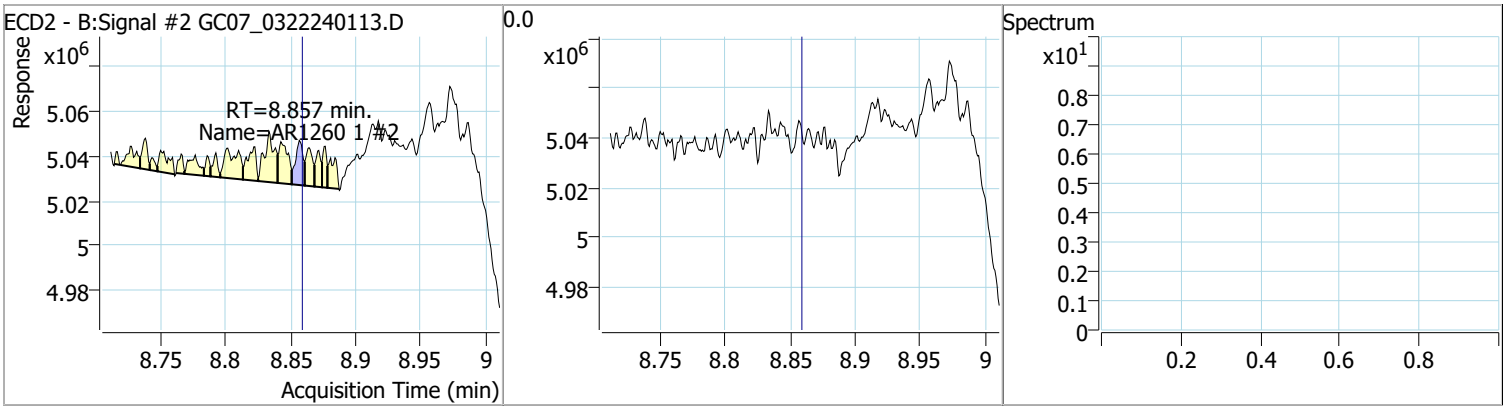
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.2927	7.81	-0.03	445683				



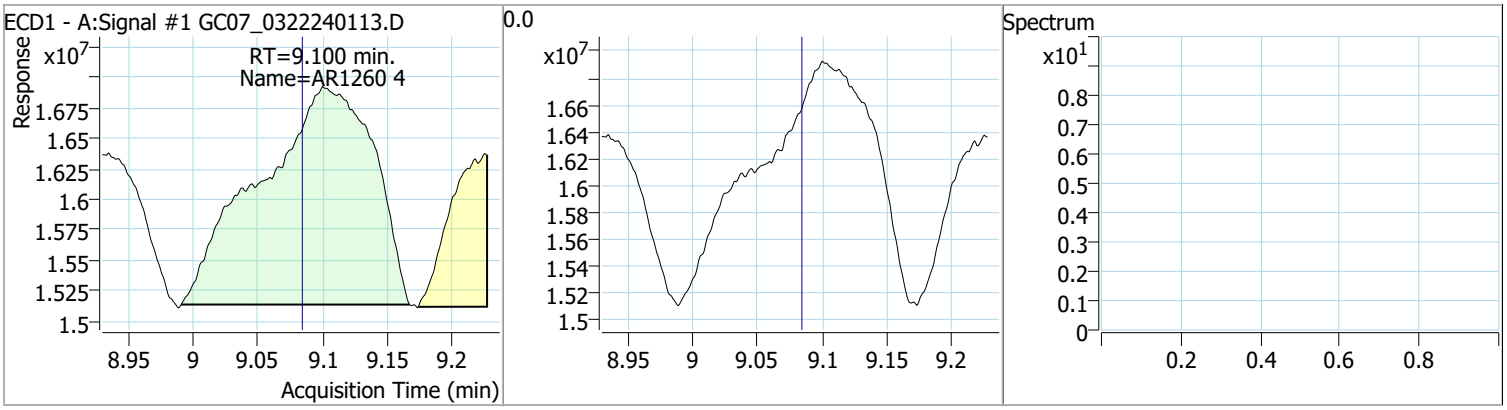
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	8.4223	8.41	0.04	3189240				



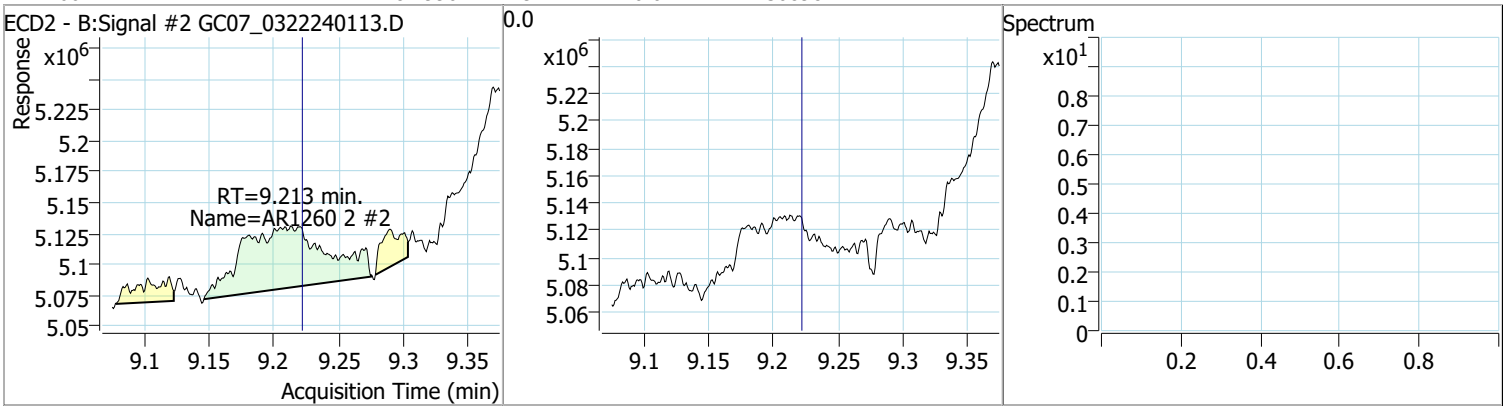
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	0.3065	8.86	-0.01	7995				



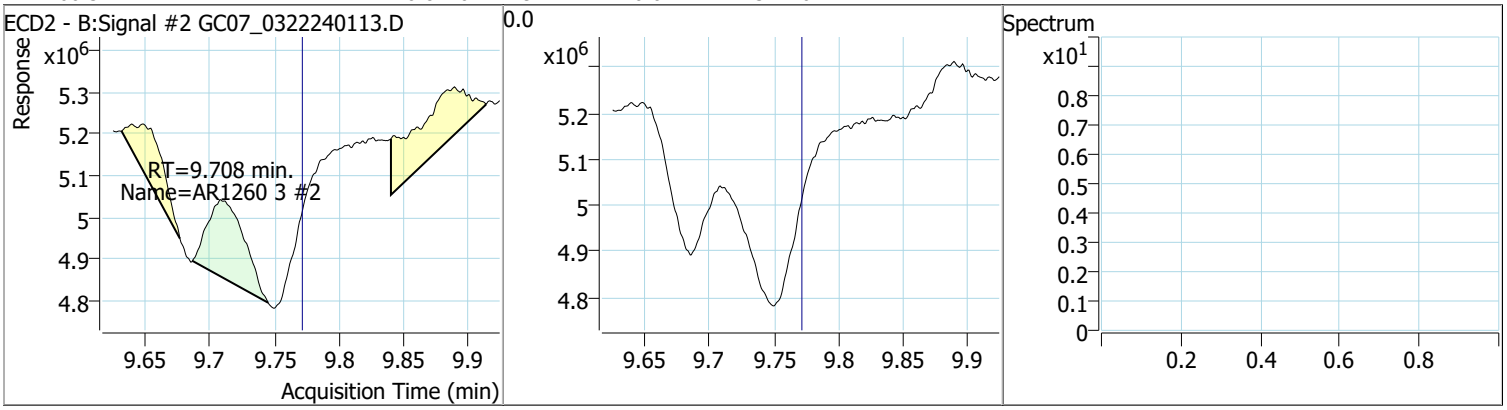
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	52.1574	9.10	0.02	11072009				



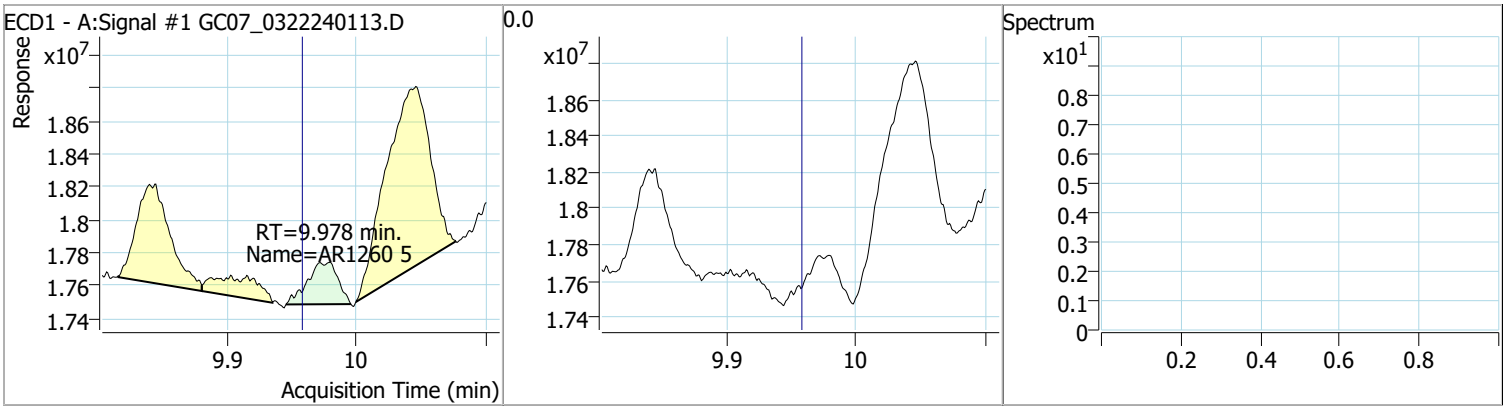
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	8.1990	9.21	-0.01	230898				



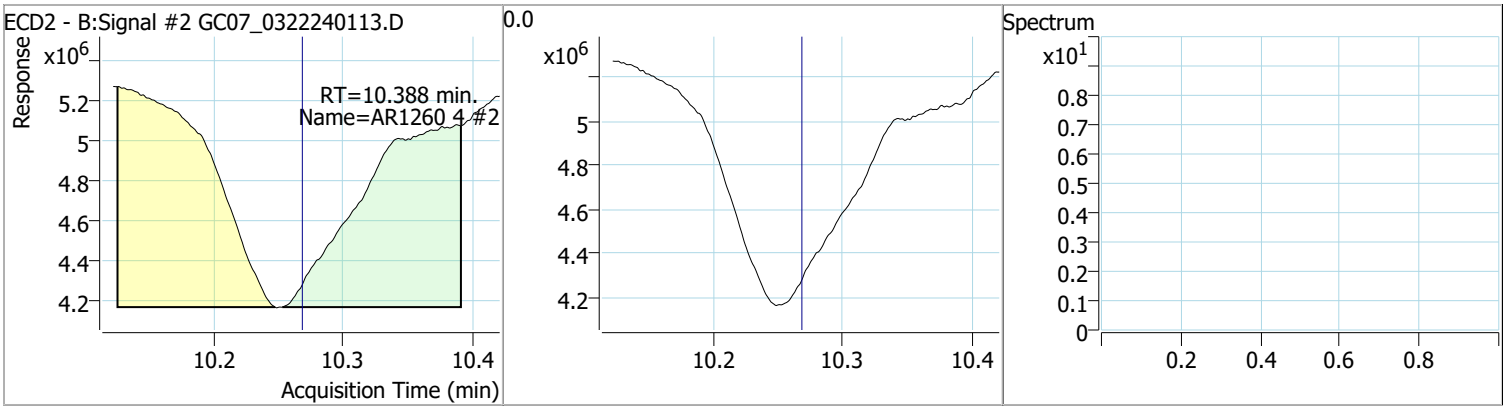
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.8220	9.71	-0.07	372461				



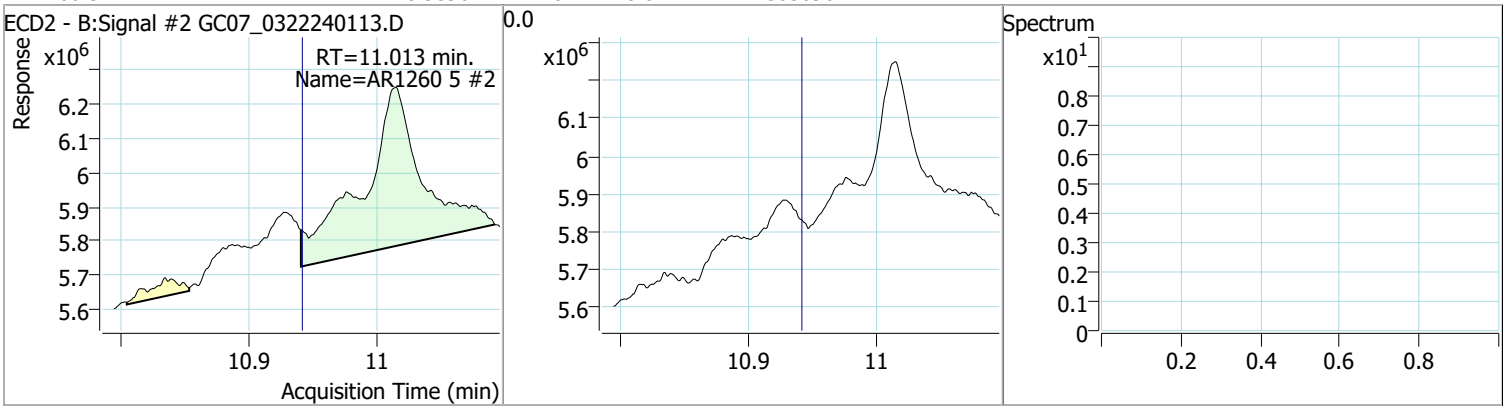
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1.6609	9.98	0.03	422705				



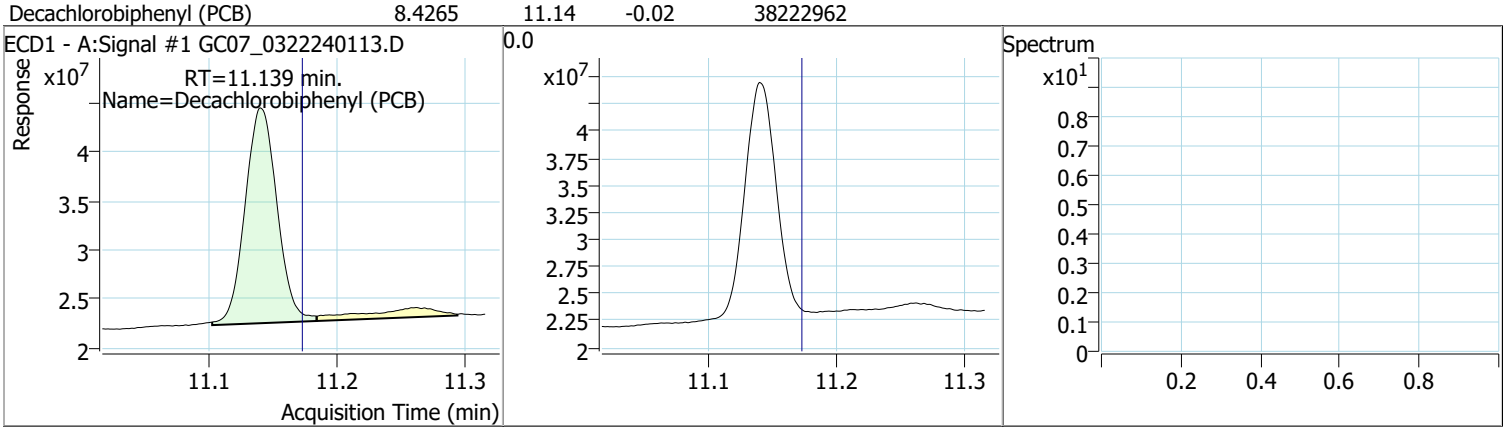
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	213.6394	10.39	0.11	4743188				



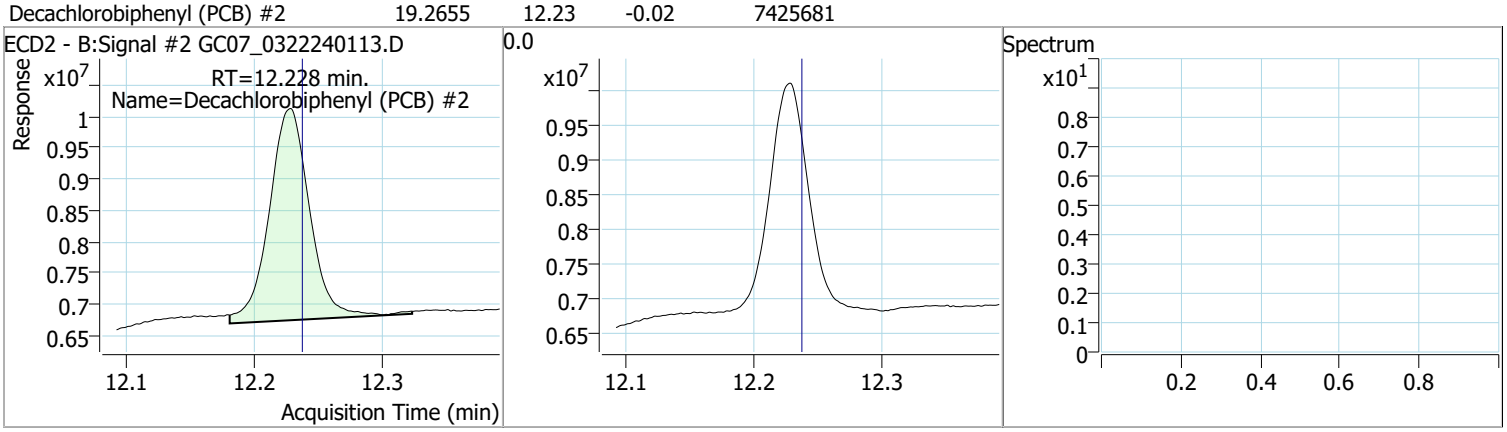
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	48.9596	11.01	0.07	1505696				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.4265	11.14	-0.02	38222962				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.2655	12.23	-0.02	7425681				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	504506-002	Client ID:	AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-DUP-LA
Seqnum:	464118734114	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_0322240114	Batch:	335940	Time:	22-MAR-2024 14:45
Cal:	464104819001	Caldate:	13-MAR-2024		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	51.19	ug/L	~~0.51~~ ~~FP~~	0.63	21%	0.50		x u
Aroclor-1016 Peak # 1	B	47.64	ug/L	0.48	0.95	66%			
Aroclor-1016 Peak # 2	B	33.74	ug/L	0.34	0.19	54%			
Aroclor-1016 Peak # 3	B	170.8	ug/L	1.71	1.69	1%			
Aroclor-1016 Peak # 4	B	2.489	ug/L	0.02	0.03	17%			
Aroclor-1016 Peak # 5	B	1.244	ug/L	0.01	0.30	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	9.311	ug/L	ND	0.36	117%	0.50		u
Aroclor-1260 Peak # 1	B	13.43	ug/L	0.13	0.99	152%			
Aroclor-1260 Peak # 2	B	0.5516	ug/L	0.01	0.01	84%			
Aroclor-1260 Peak # 3	B	9.808	ug/L	0.10	0.05	69%			
Aroclor-1260 Peak # 4	B	2.660	ug/L	0.03	0.65	184%			
Aroclor-1260 Peak # 5	B	20.10	ug/L	0.20	0.08	87%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	29.33	pg/uL	0.5000	0.2933	59	19-121	u
Decachlorobiphenyl (PCB)	B	19.42	pg/uL	0.5000	0.1942	39	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	6673005	-4.81
1-bromo-2-nitrobenzene (PCB)	A	36910905	49684931	34.61

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.68	0.00

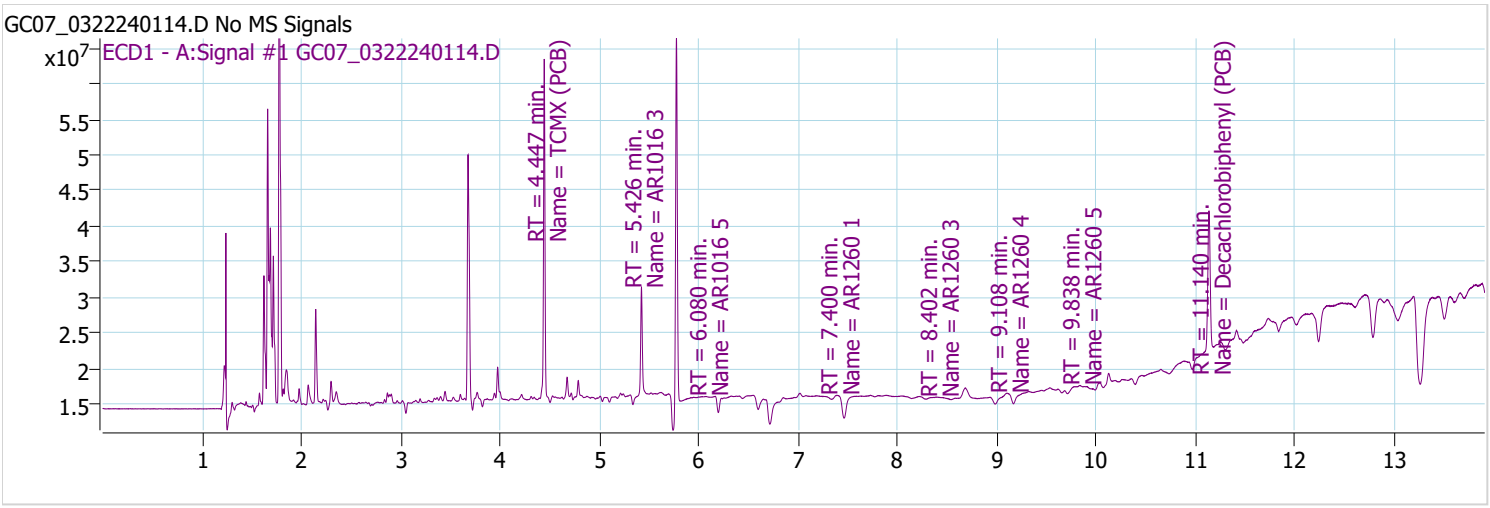
03/24/24 : WIPE/1-10ML

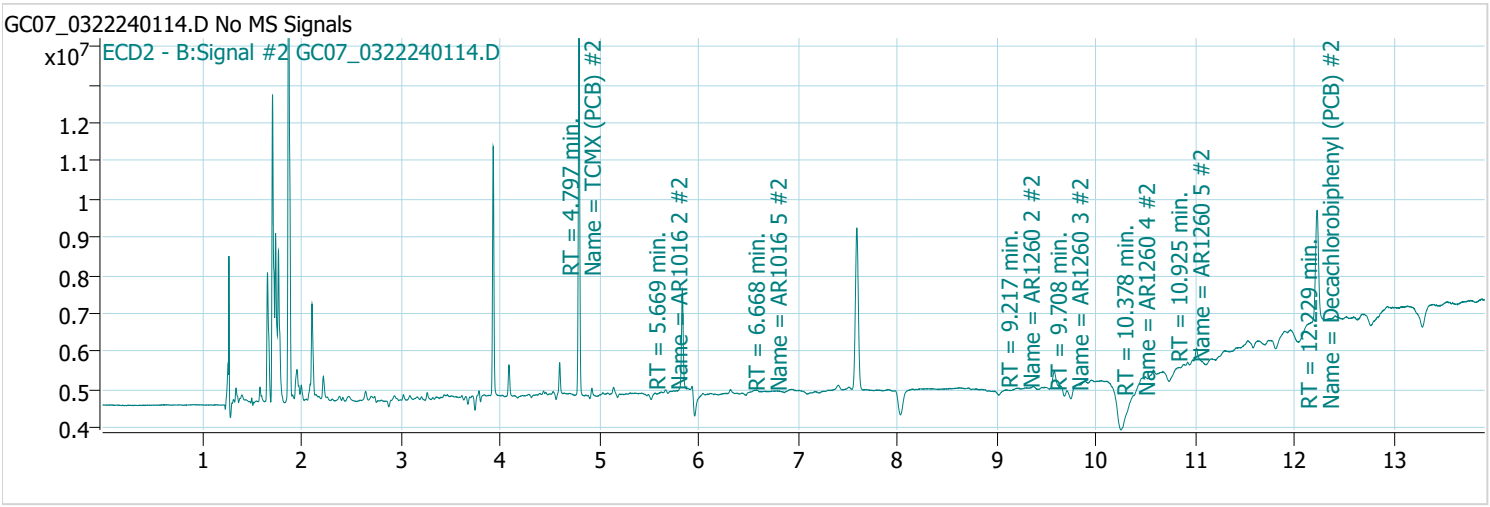
u=use x=false positive

Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240114.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 2:45:35 PM
Sample Name	504506-002, 335940, 1	Instrument	SVOA-GC07
Vial	5	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



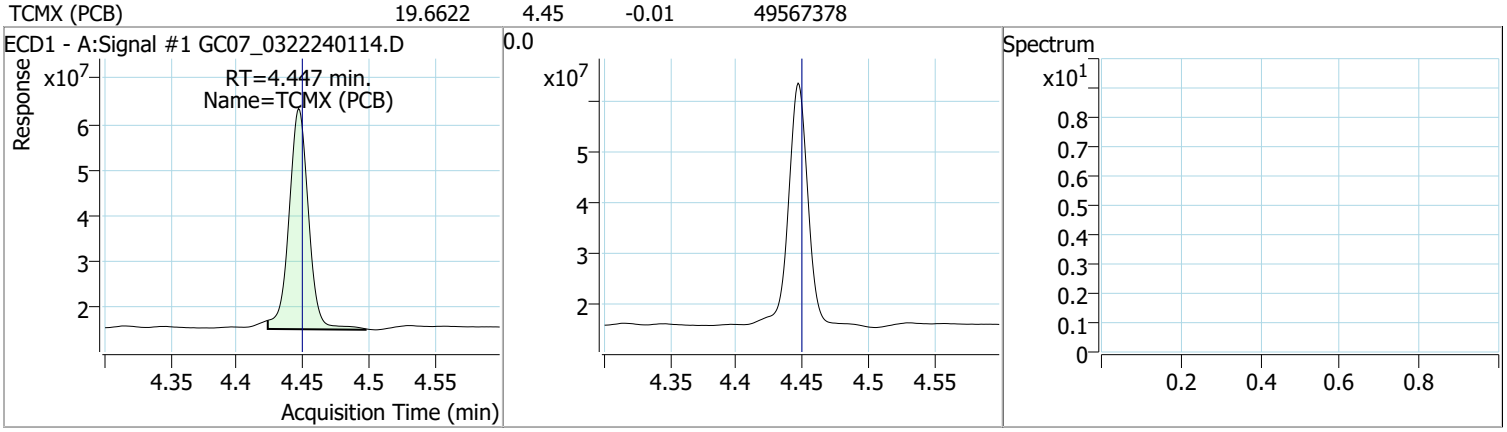


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.680	0.0	49684931.227	20.0000	ng/ml	-0.007
M 1-bromo-2-nitrobenzene (PCB) #2	3.933	0.0	6673005.319	20.0000	ng/ml	-0.003
System Monitoring Compounds						
S TCMX (PCB)	4.447	0.0	49567378.235	19.6622	ng/ml	-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.31%		
S TCMX (PCB) #2	4.797	0.0	9844907.039	29.3339	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 146.67%		
S Decachlorobiphenyl (PCB)	11.140	0.0	36152849.359	11.3188	ng/ml	-0.022
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 56.59%		
S Decachlorobiphenyl (PCB) #2	12.229	0.0	7134732.001	19.4195	ng/ml	-0.015
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.10%		
Target Compounds						QValue

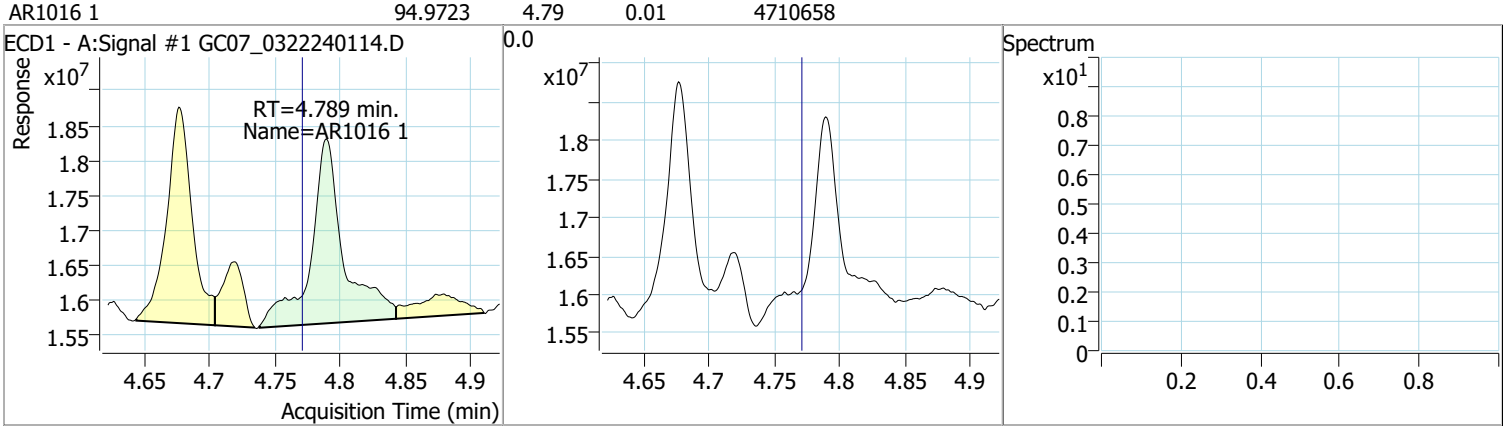
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.789	0.0	4710658.490	94.9723	ng/ml	100
T AR1016 2	5.064	0.0	1778895.215	19.3613	ng/ml	100
T AR1016 1 #2	5.313	0.0	339649.359	47.6411	ng/ml	100
T AR1016 3	5.426	0.0	21556737.665	169.2545	ng/ml	100
T AR1016 4	5.561	0.0	251668.500	2.9621	ng/ml	100
T AR1016 2 #2	5.669	0.0	499935.923	33.7386	ng/ml	100
T AR1016 5	6.080	0.0	2128745.248	29.6800	ng/ml	100
T AR1016 3 #2	6.124	0.0	3287862.991	170.8298	ng/ml	100
T AR1016 4 #2	6.168	0.0	31725.193	2.4889	ng/ml	100
T AR1016 5 #2	6.668	0.0	13468.505	1.2437	ng/ml	100
T AR1260 1	7.400	0.0	14904887.430	99.2857	ng/ml	100
T AR1260 2	7.814	0.0	327831.915	1.3504	ng/ml	100
T AR1260 3	8.402	0.0	1266378.117	4.7495	ng/ml	100
T AR1260 1 #2	8.843	0.0	333992.468	13.4335	ng/ml	100
T AR1260 4	9.108	0.0	9765333.575	65.3300	ng/ml	100
T AR1260 2 #2	9.217	0.0	14806.057	0.5516	ng/ml	100
T AR1260 3 #2	9.708	0.0	321754.210	9.8077	ng/ml	100
T AR1260 5	9.838	0.0	1421809.967	7.9340	ng/ml	100
T AR1260 4 #2	10.378	0.0	56293.355	2.6600	ng/ml	100
T AR1260 5 #2	10.925	0.0	589282.743	20.1021	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

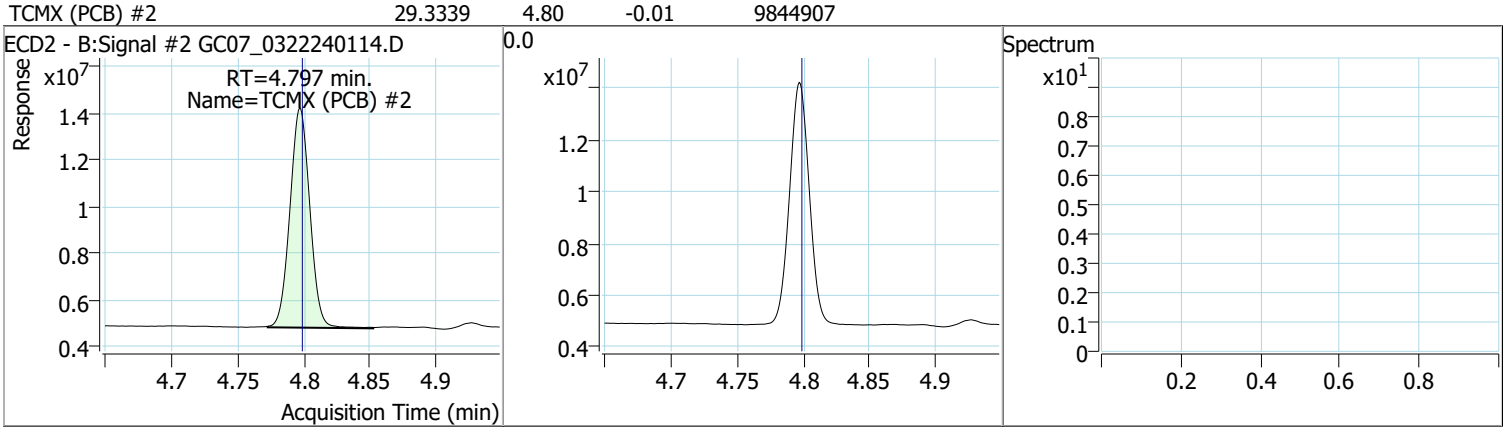
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.6622	4.45	-0.01	49567378				



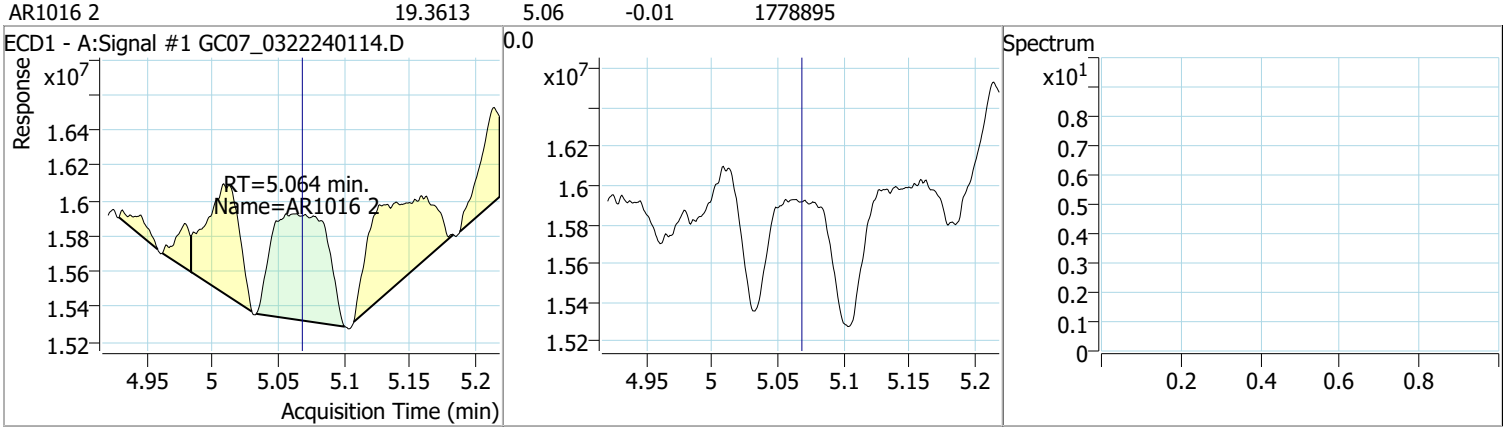
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	94.9723	4.79	0.01	4710658				



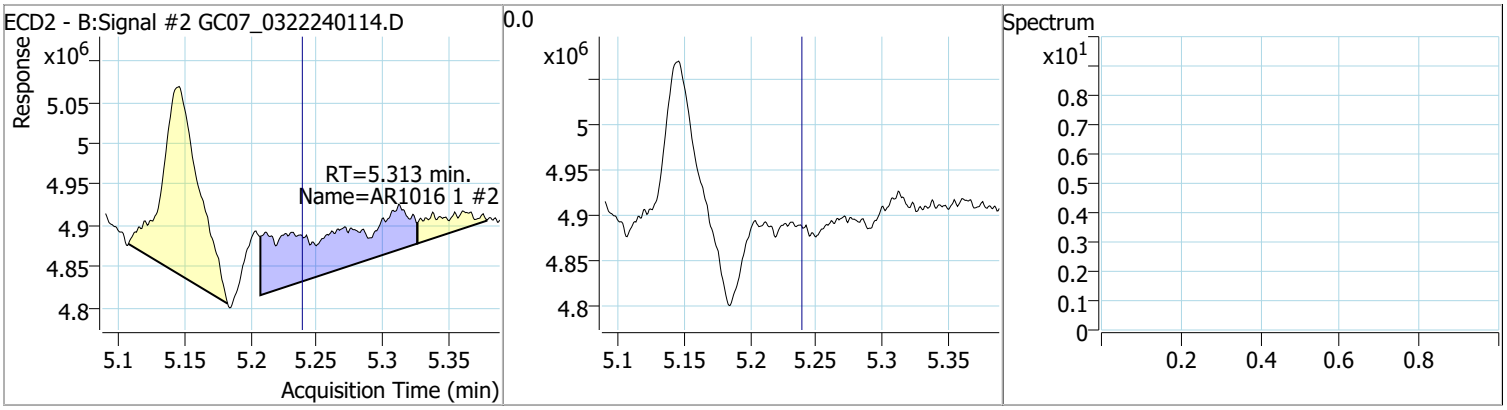
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	29.3339	4.80	-0.01	9844907				



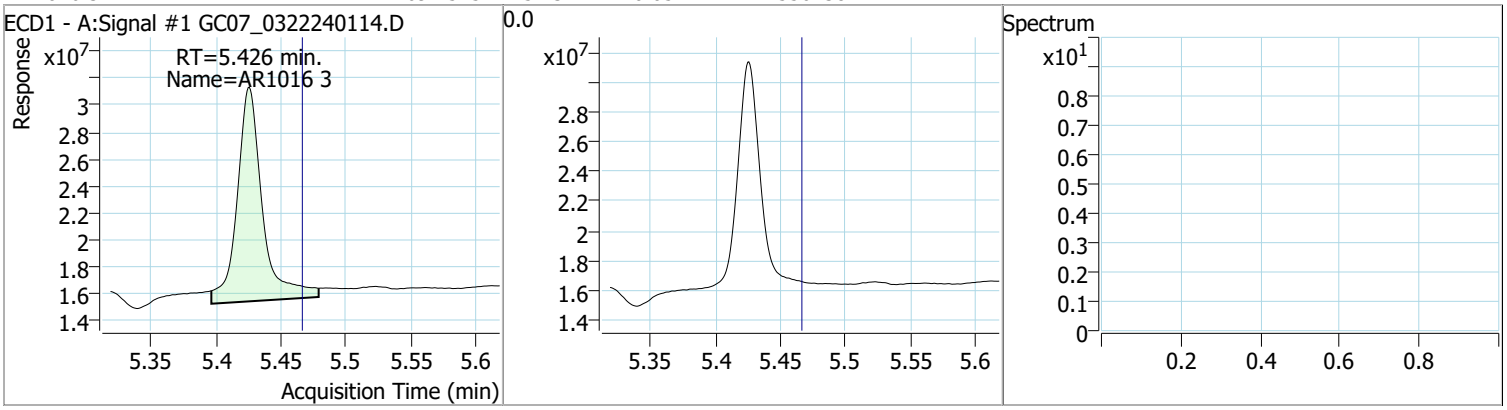
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	19.3613	5.06	-0.01	1778895				



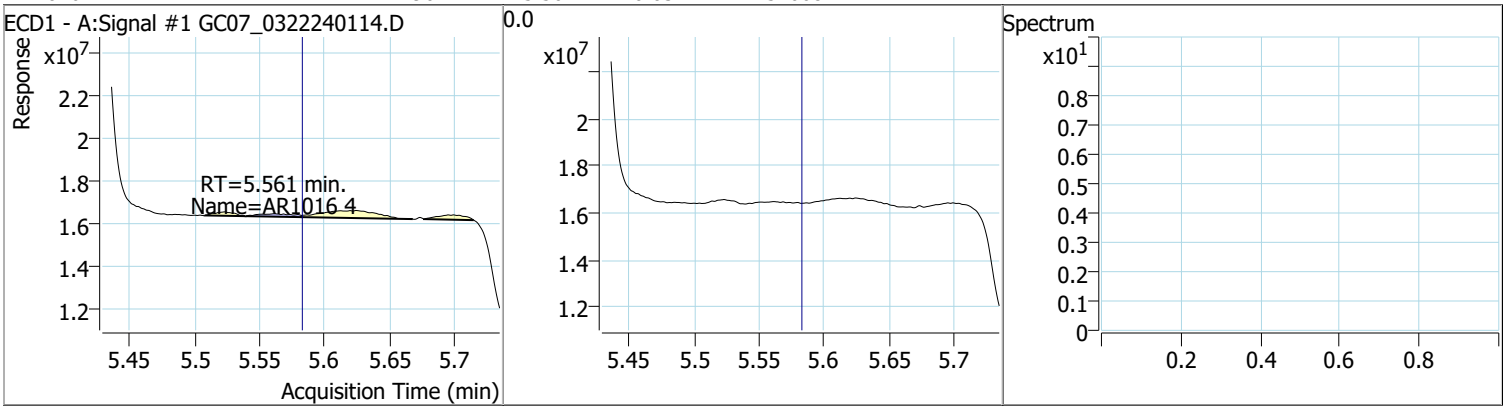
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	47.6411	5.31	0.07	339649				



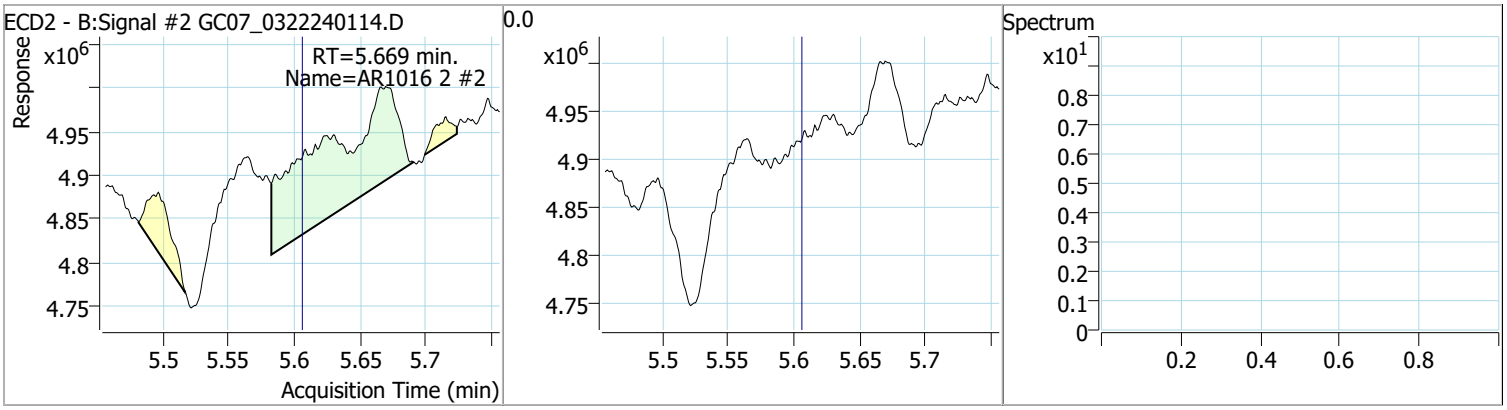
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	169.2545	5.43	-0.05	21556738				



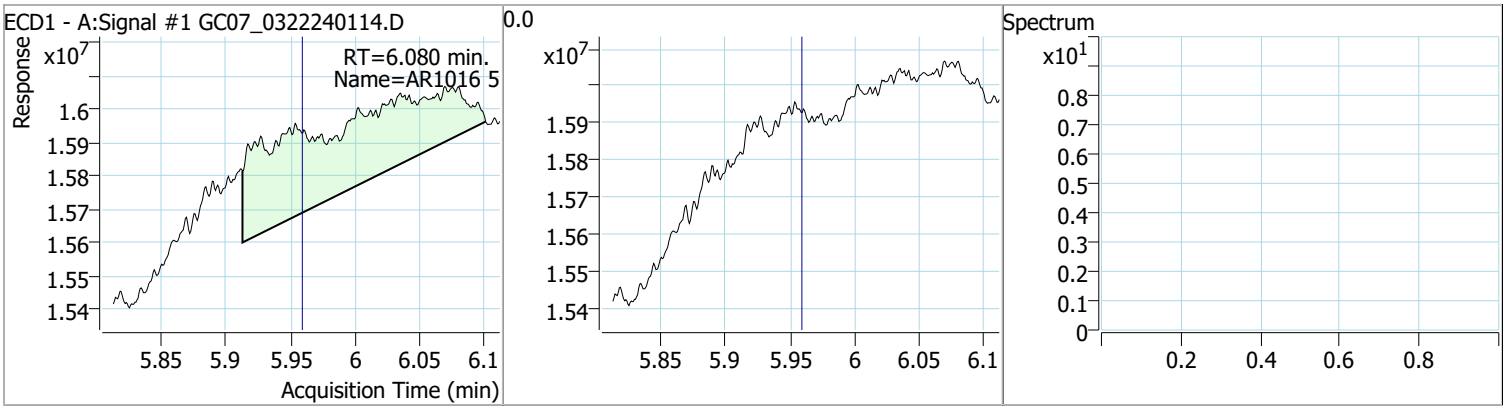
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2.9621	5.56	-0.03	251668				



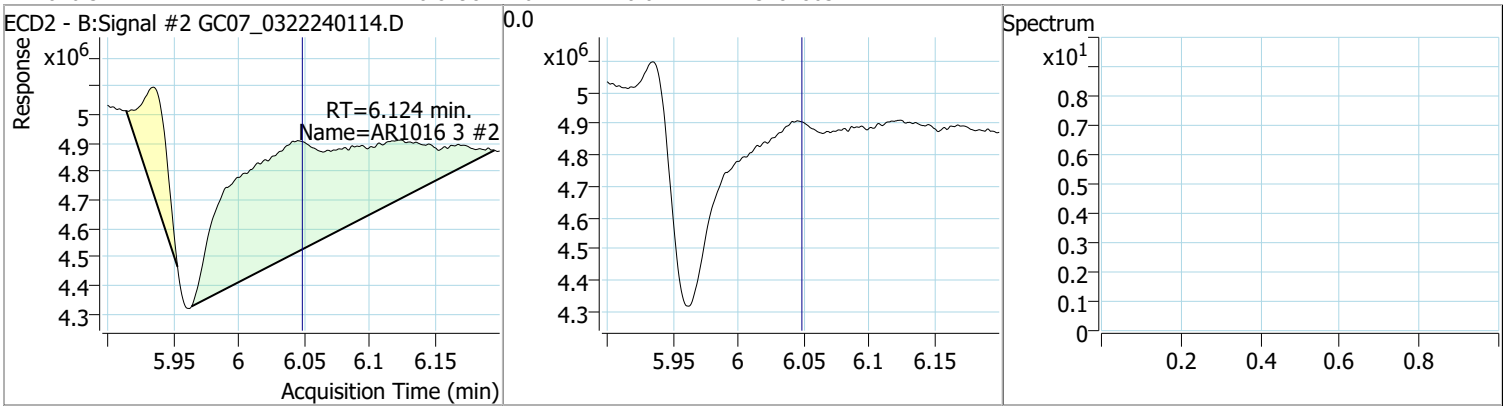
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	33.7386	5.67	0.06	499936				



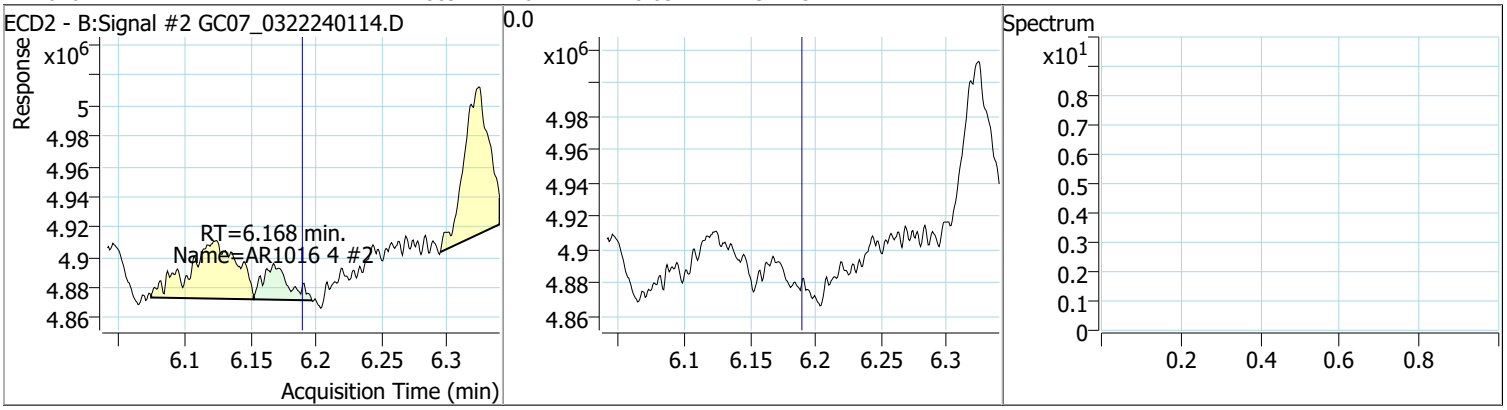
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	29.6800	6.08	0.11	2128745				



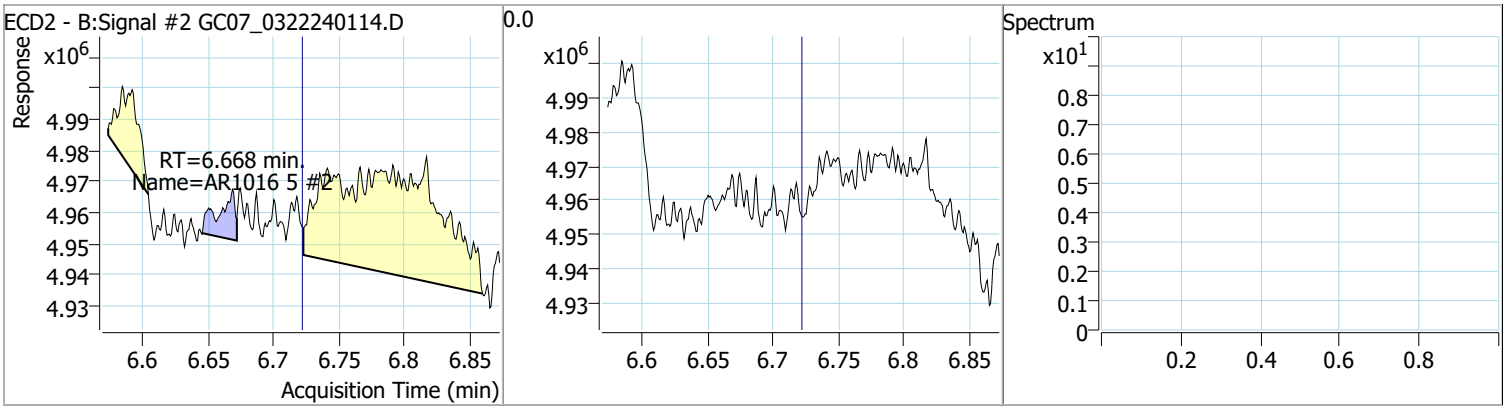
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	170.8298	6.12	0.07	3287863				



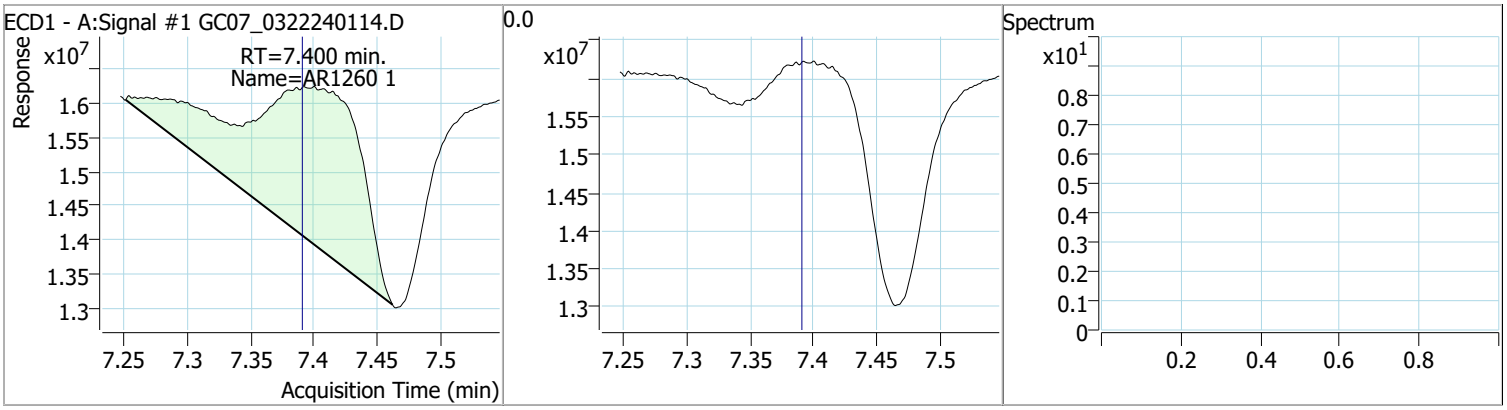
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.4889	6.17	-0.03	31725				



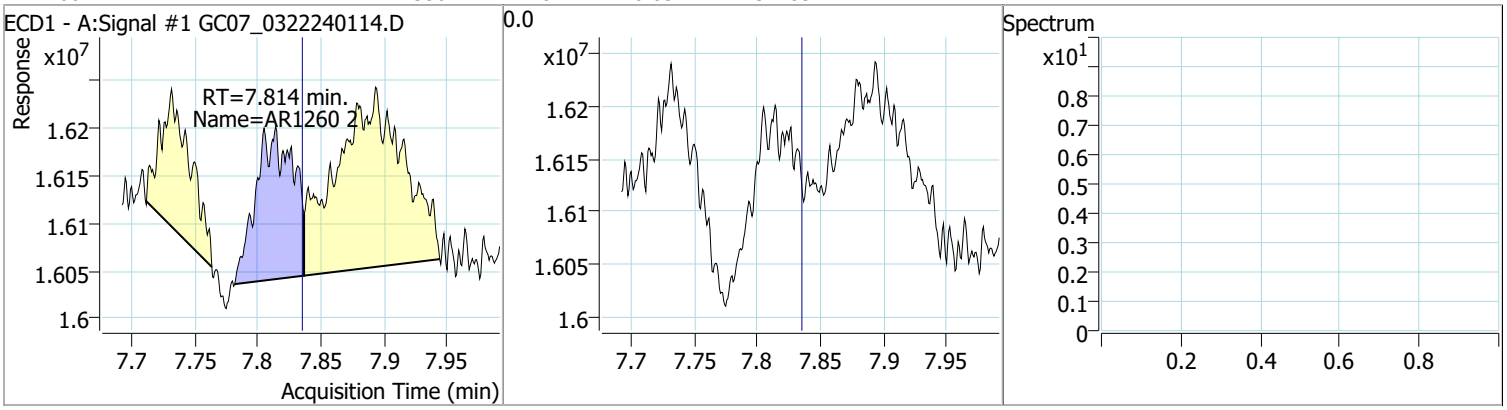
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.2437	6.67	-0.06	13469				



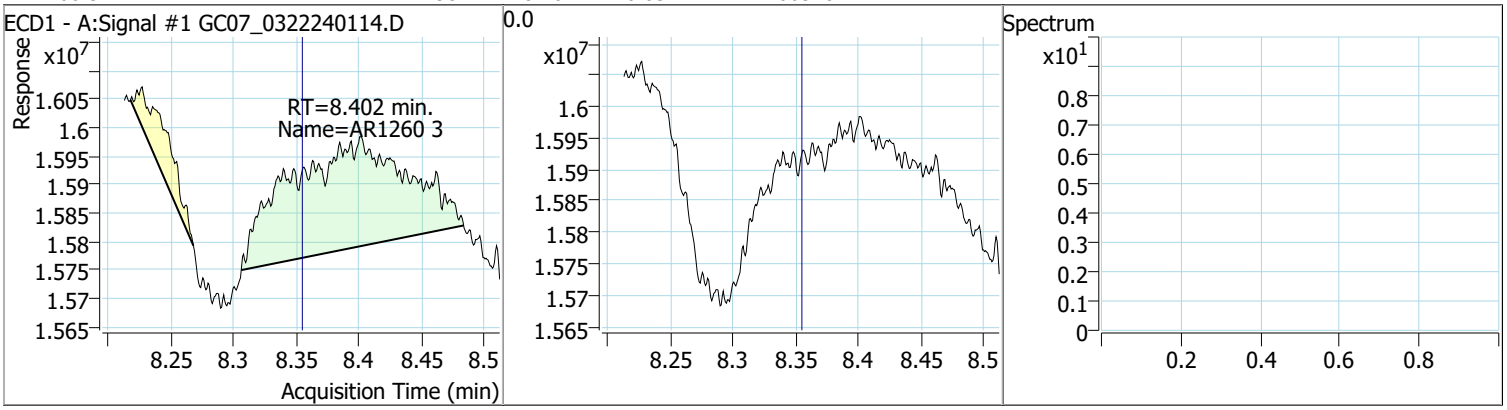
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	99.2857	7.40	0.00	14904887				



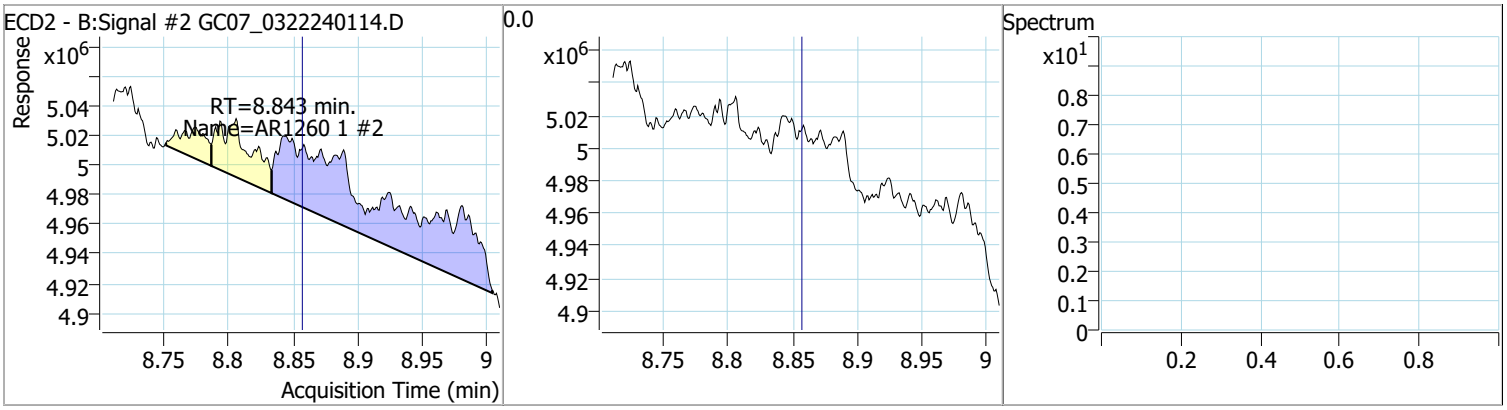
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.3504	7.81	-0.03	327832				



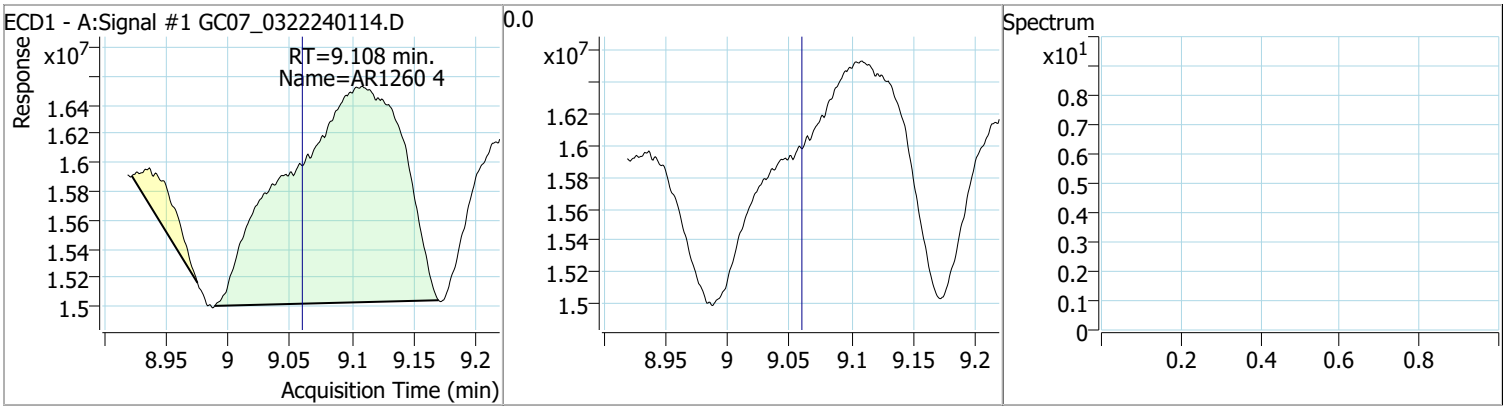
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	4.7495	8.40	0.03	1266378				



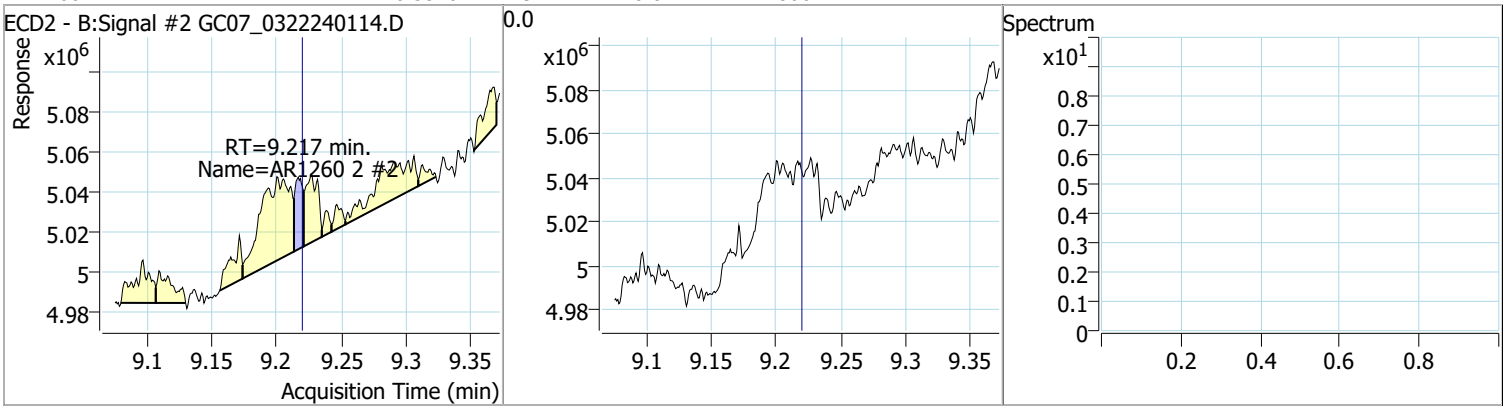
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	13.4335	8.84	-0.02	333992				



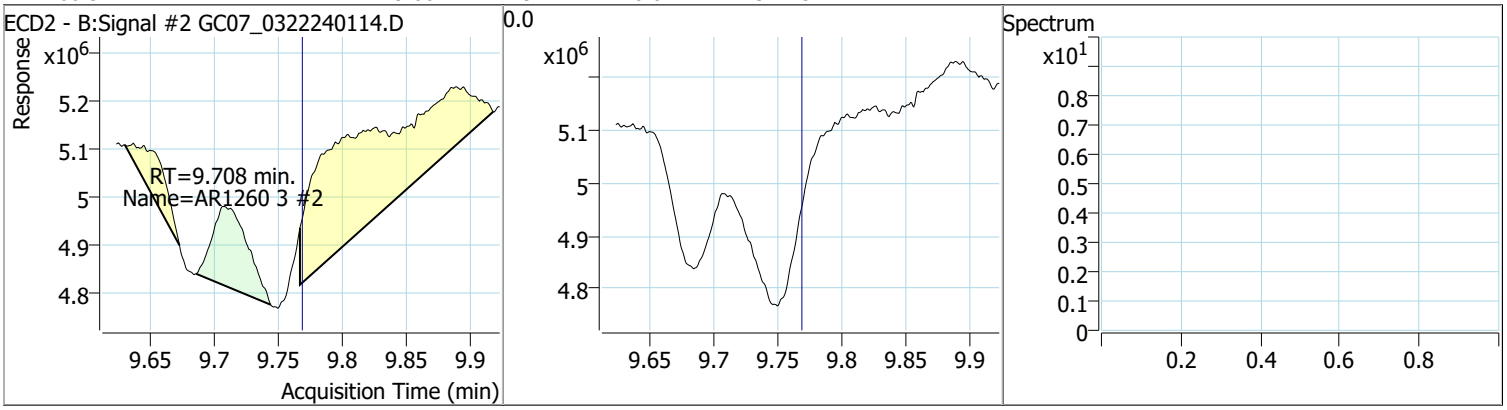
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	65.3300	9.11	0.03	9765334				



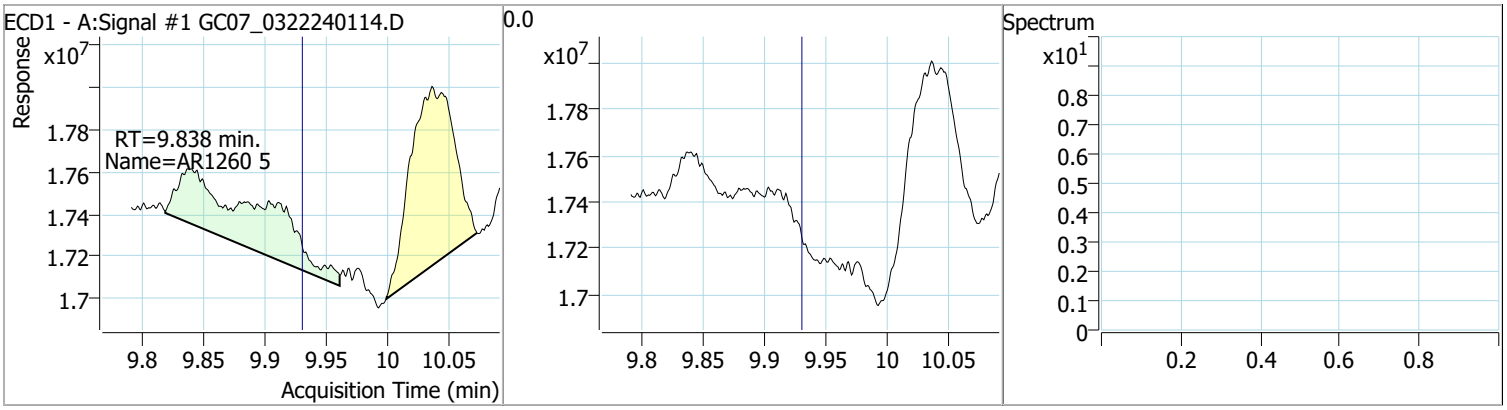
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	0.5516	9.22	-0.01	14806				



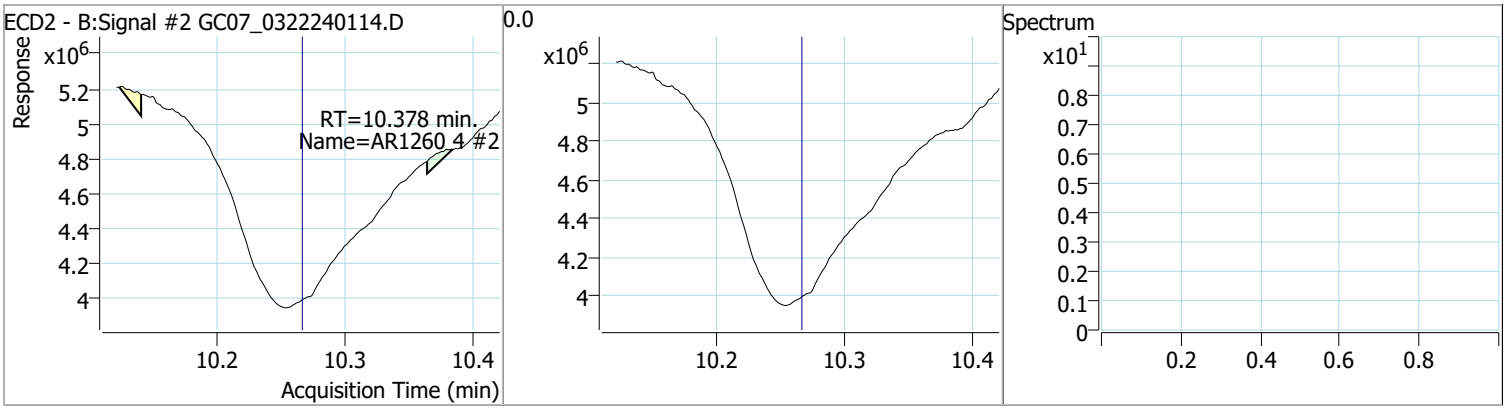
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.8077	9.71	-0.07	321754				



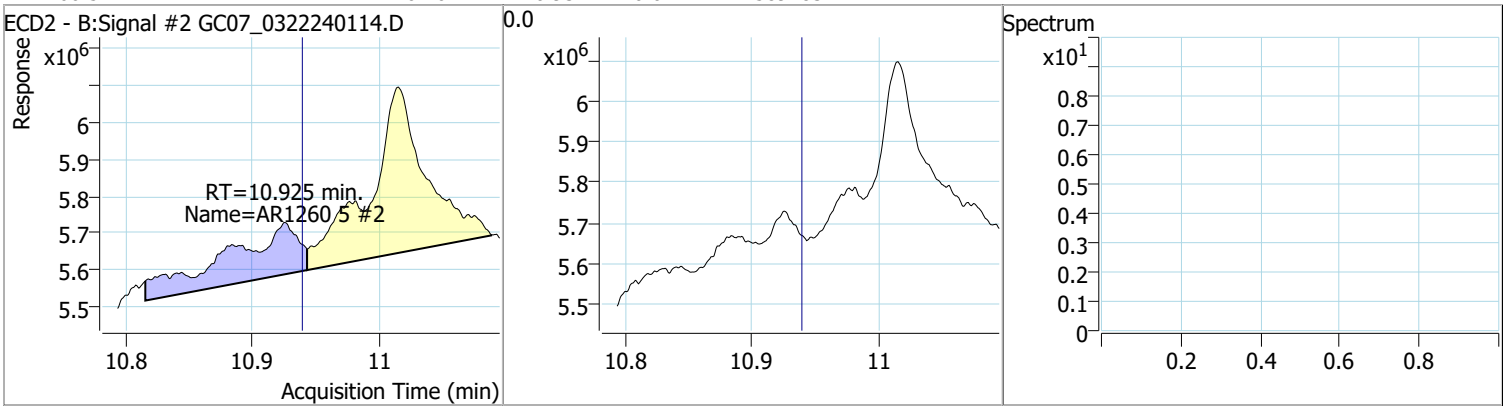
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	7.9340	9.84	-0.11	1421810				



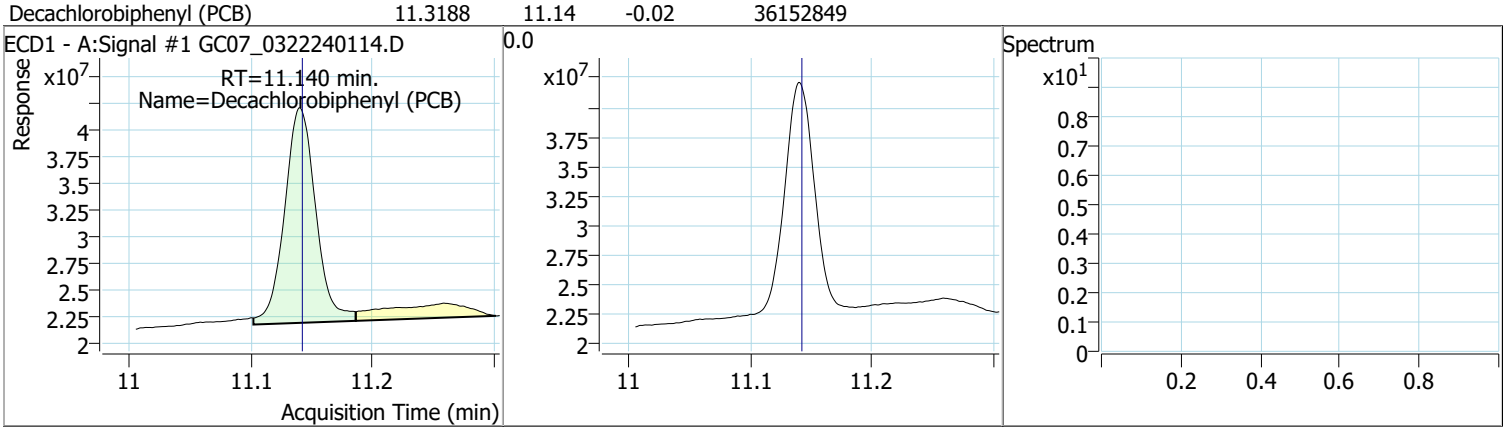
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.6600	10.38	0.10	56293				



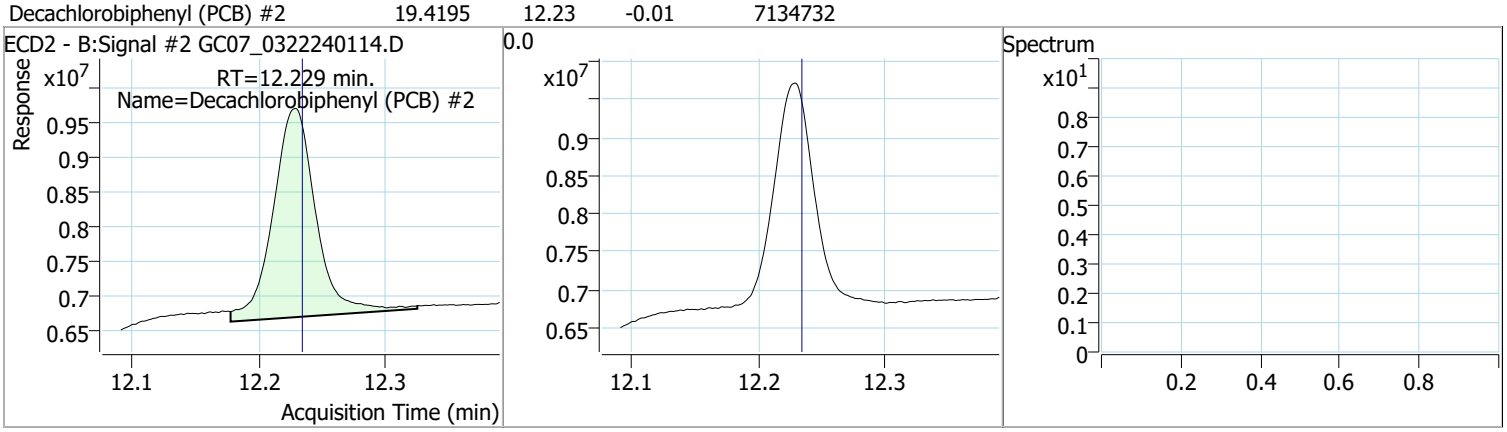
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	20.1021	10.93	-0.02	589283				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	11.3188	11.14	-0.02	36152849				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.4195	12.23	-0.01	7134732				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	504506-004	Client ID:	AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-P-LA
Seqnum:	464118734115	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_0322240115	Batch:	335940	Time:	22-MAR-2024 15:06
Cal:	464104819001	Caldate:	13-MAR-2024		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	49.55	ug/L	ND	0.75	41%	0.50		u
Aroclor-1016 Peak # 1	B	38.49	ug/L	0.38	0.62	47%			
Aroclor-1016 Peak # 2	B	20.92	ug/L	0.21	0.29	33%			
Aroclor-1016 Peak # 3	B	183.9	ug/L	1.84	2.41	27%			
Aroclor-1016 Peak # 4	B	1.978	ug/L	0.02	0.05	81%			
Aroclor-1016 Peak # 5	B	2.496	ug/L	0.02	0.39	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	16.72	ug/L	ND	0.79	130%	0.50		u
Aroclor-1260 Peak # 1	B	4.618	ug/L	0.05	1.89	190%			
Aroclor-1260 Peak # 2	B	6.404	ug/L	0.06	0.02	99%			
Aroclor-1260 Peak # 3	B	16.48	ug/L	0.16	0.22	30%			
Aroclor-1260 Peak # 4	B	49.44	ug/L	0.49	1.68	109%			
Aroclor-1260 Peak # 5	B	6.670	ug/L	0.07	0.16	82%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	33.29	pg/uL	0.5000	0.3329	67	19-121	u
Decachlorobiphenyl (PCB)	B	24.77	pg/uL	0.5000	0.2477	50	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	6132410	-12.52
1-bromo-2-nitrobenzene (PCB)	A	36910905	33026628	-10.52

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.68	0.00

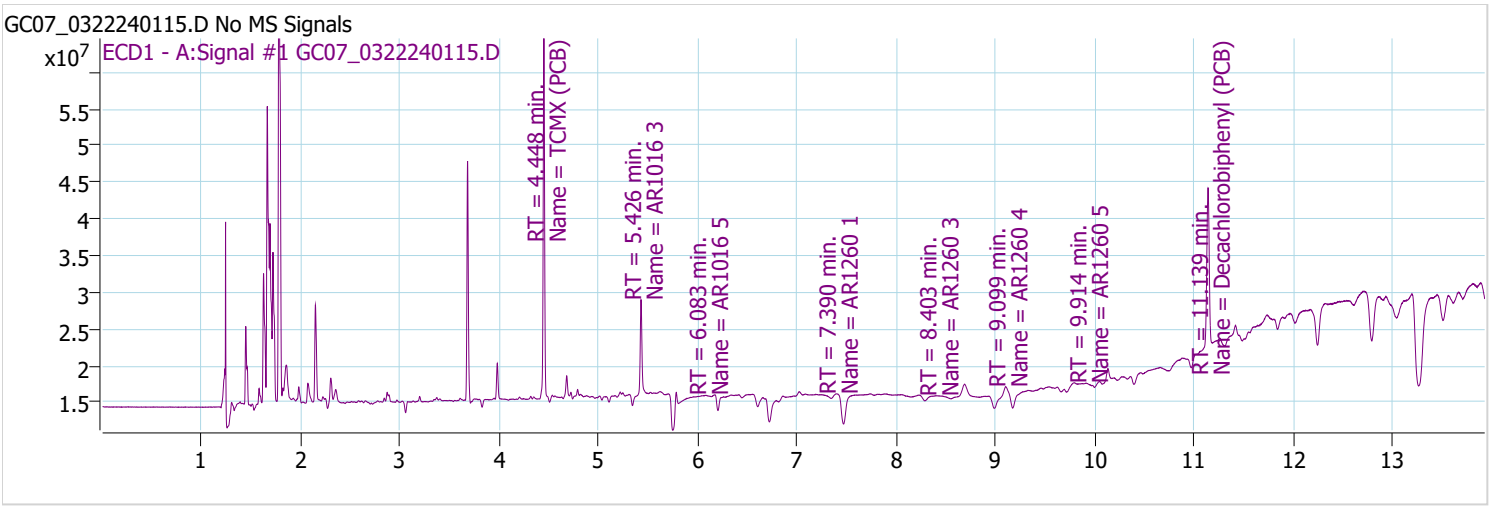
03/24/24 : WIPE/1-10ML

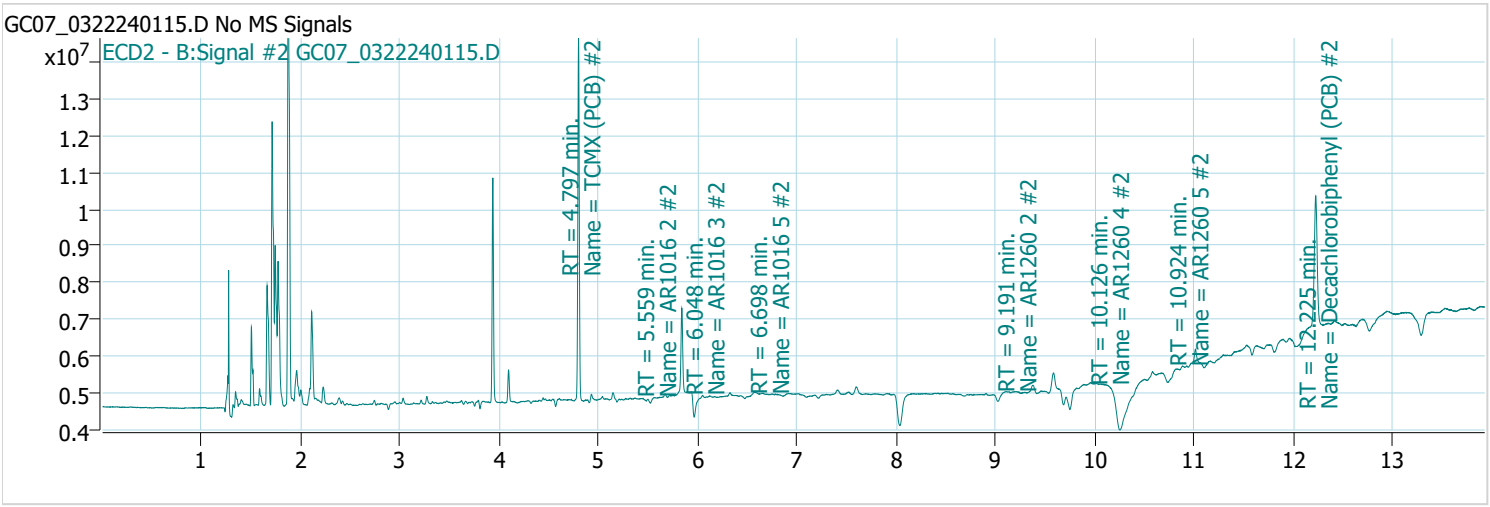
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Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240115.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 3:06:32 PM
Sample Name	504506-004, 335940, 1	Instrument	SVOA-GC07
Vial	6	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



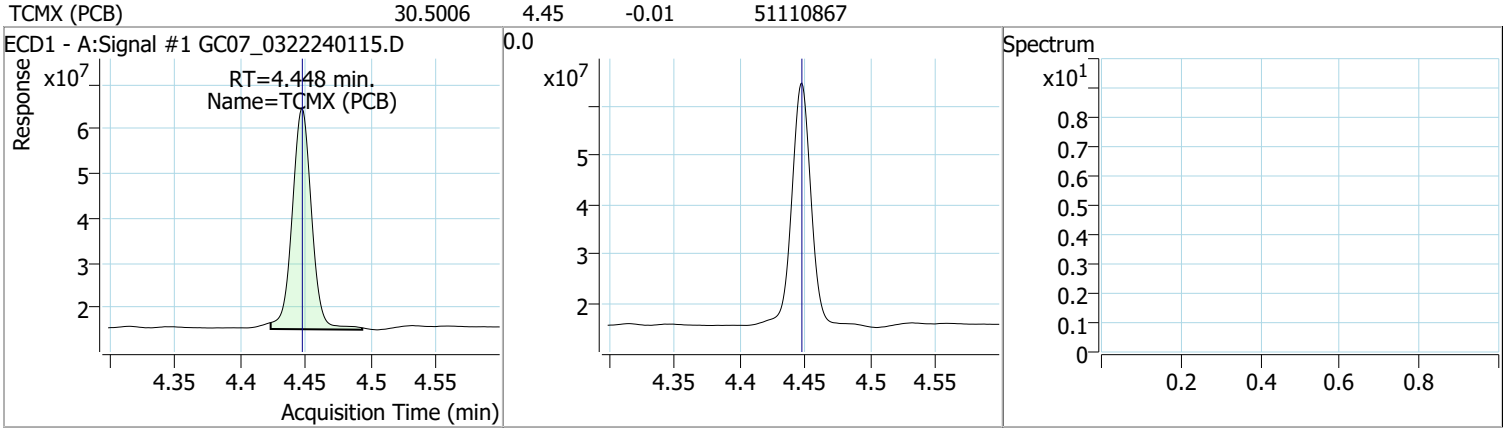


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.678	0.0	33026627.750	20.0000	ng/ml		-0.009
M 1-bromo-2-nitrobenzene (PCB) #2	3.933	0.0	6132410.018	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.448	0.0	51110866.652	30.5006	ng/ml		-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 152.50%		*	
S TCMX (PCB) #2	4.797	0.0	10267873.452	33.2912	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.46%		*	
S Decachlorobiphenyl (PCB)	11.139	0.0	40192486.794	18.9305	ng/ml		-0.023
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.65%			
S Decachlorobiphenyl (PCB) #2	12.225	0.0	8364562.004	24.7738	ng/ml		-0.019
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 123.87%			
Target Compounds							QValue

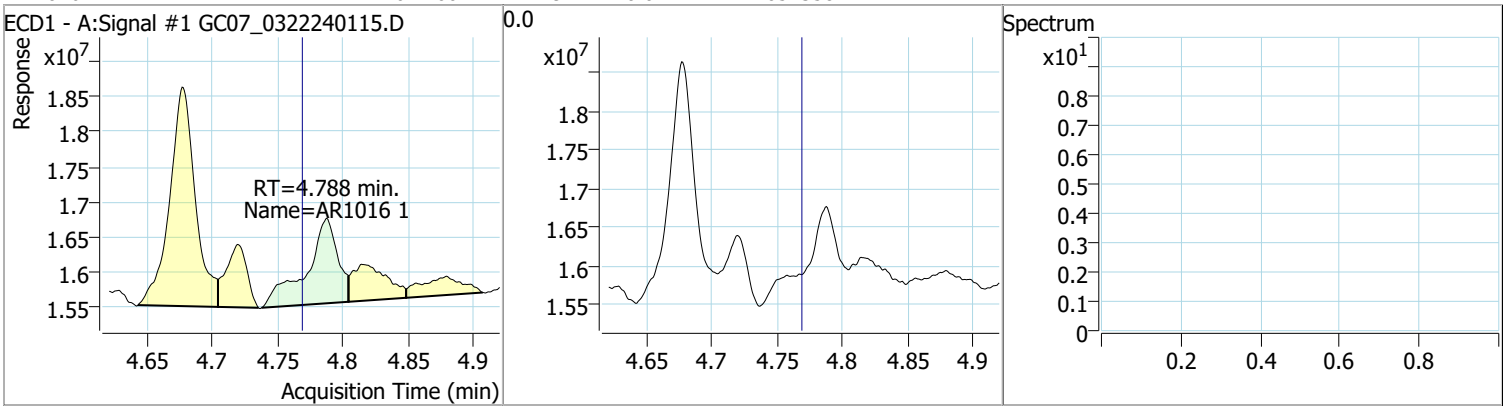
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.788	0.0	2057358.117	62.4001	ng/ml	100
T AR1016 2	5.078	0.0	1786286.473	29.2480	ng/ml	100
T AR1016 1 #2	5.274	0.0	252171.942	38.4891	ng/ml	100
T AR1016 3	5.426	0.0	20406098.488	241.0336	ng/ml	100
T AR1016 4	5.556	0.0	262267.977	4.6438	ng/ml	100
T AR1016 2 #2	5.559	0.0	284831.613	20.9166	ng/ml	100
T AR1016 5	6.083	0.0	1881963.775	39.4741	ng/ml	100
T AR1016 3 #2	6.048	0.0	3251826.907	183.8516	ng/ml	100
T AR1016 4 #2	6.168	0.0	23168.138	1.9778	ng/ml	100
T AR1016 5 #2	6.698	0.0	24840.811	2.4960	ng/ml	100
T AR1260 1	7.390	0.0	18855116.136	188.9503	ng/ml	100
T AR1260 2	7.823	0.0	349628.418	2.1665	ng/ml	100
T AR1260 3	8.403	0.0	3965787.372	22.3755	ng/ml	100
T AR1260 1 #2	8.854	0.0	105513.523	4.6180	ng/ml	100
T AR1260 4	9.099	0.0	16700941.320	168.0843	ng/ml	100
T AR1260 2 #2	9.191	0.0	157972.393	6.4037	ng/ml	100
T AR1260 3 #2	9.708	0.0	496923.228	16.4824	ng/ml	100
T AR1260 5	9.914	0.0	1890354.069	15.8692	ng/ml	100
T AR1260 4 #2	10.126	0.0	961437.618	49.4355	ng/ml	100
T AR1260 5 #2	10.924	0.0	179694.364	6.6702	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

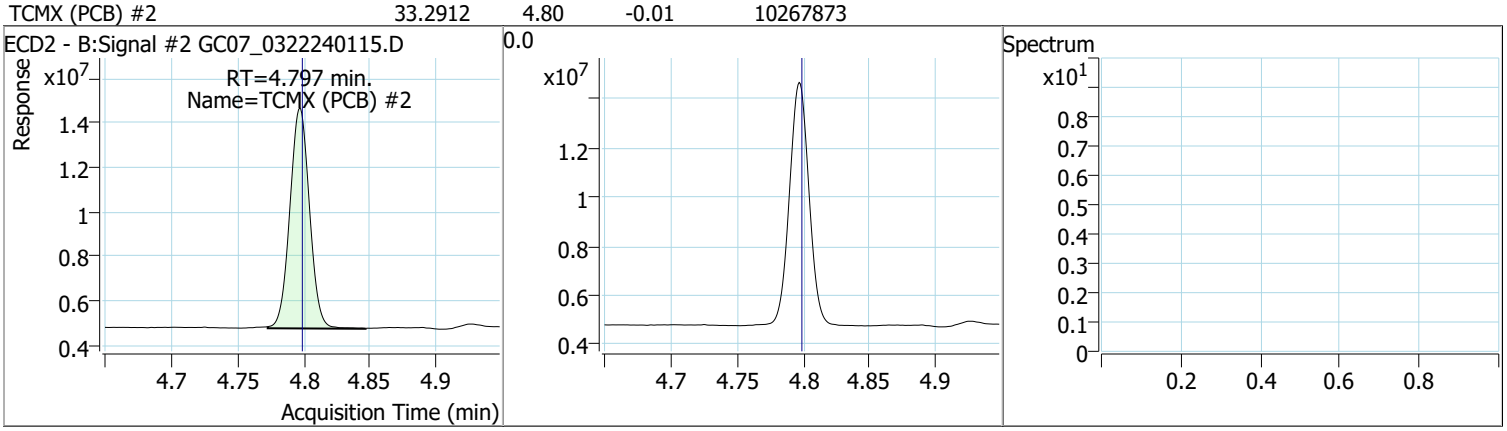
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.5006	4.45	-0.01	51110867				



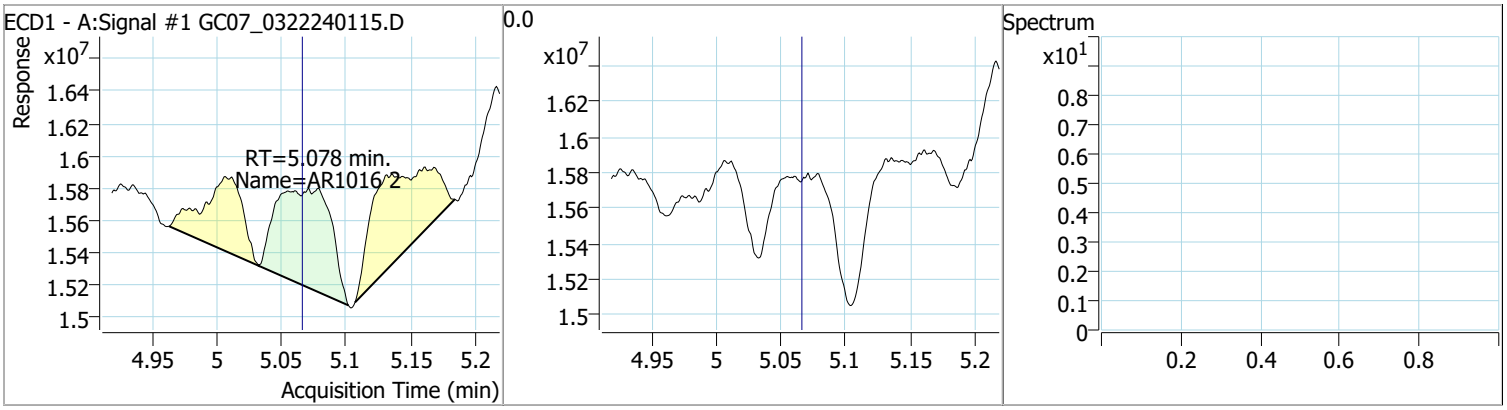
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	62.4001	4.79	0.01	2057358				



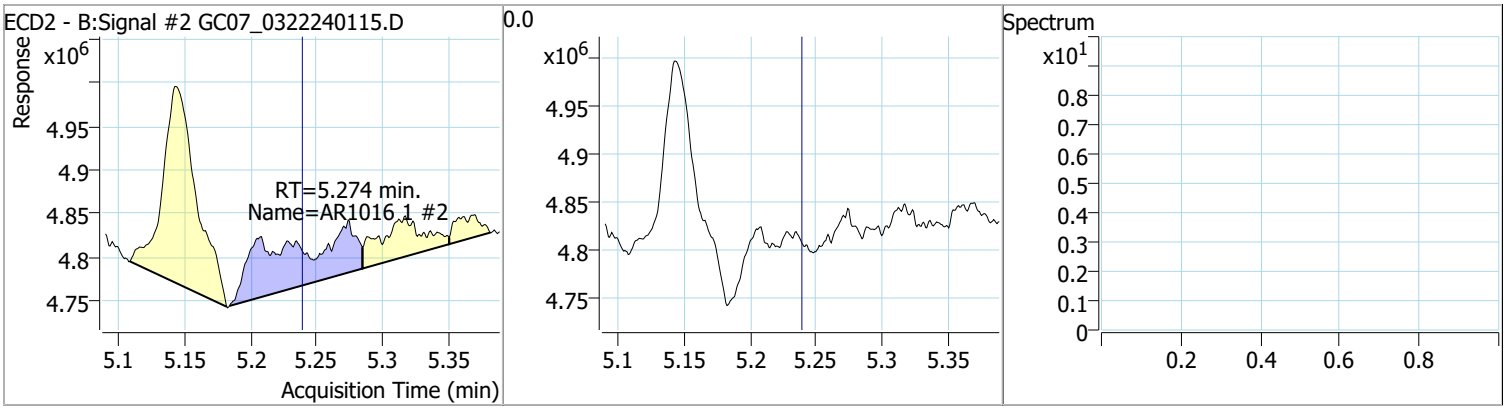
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.2912	4.80	-0.01	10267873				



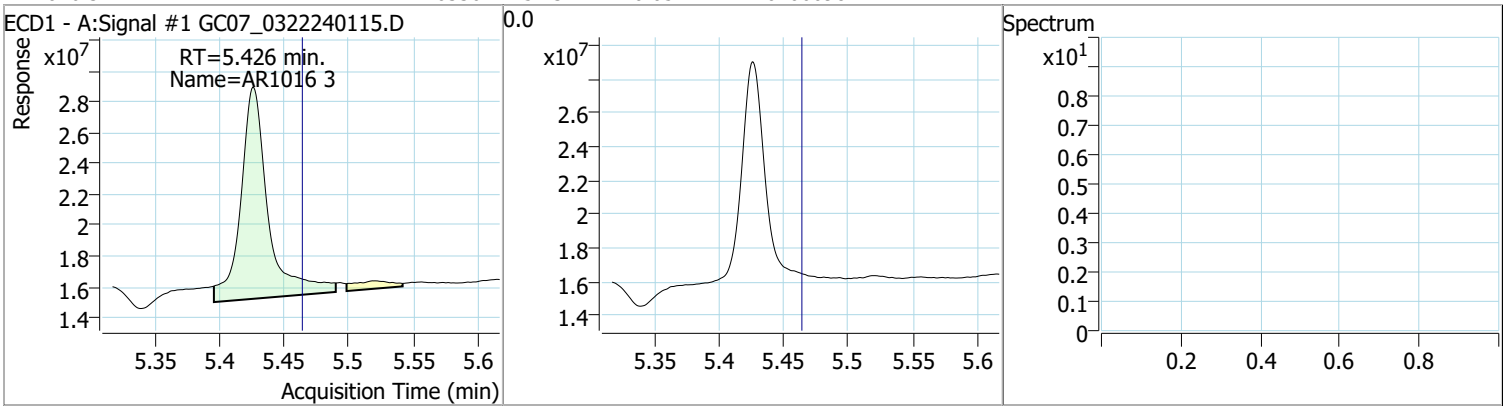
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	29.2480	5.08	0.00	1786286				



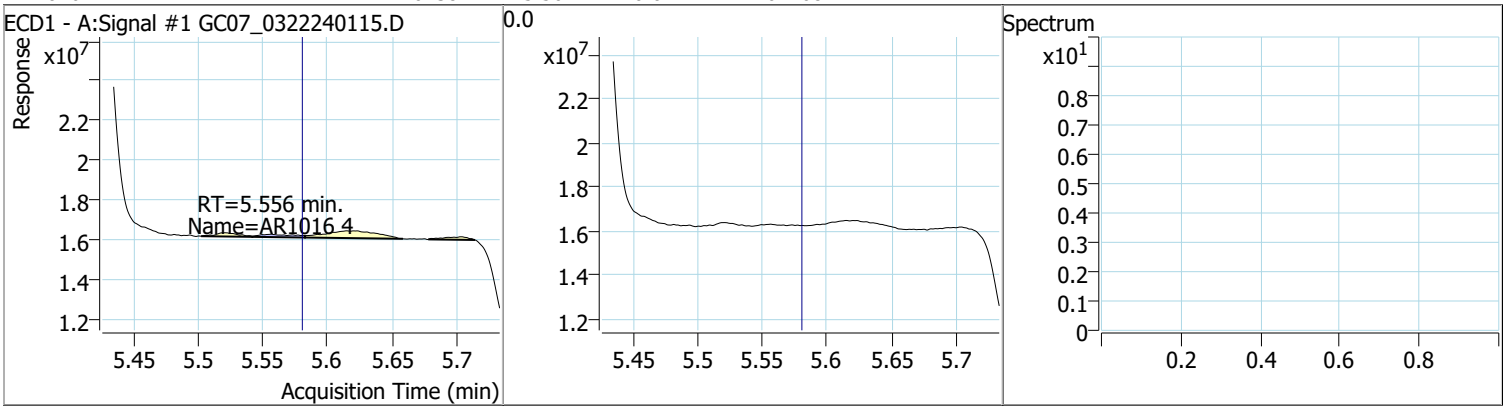
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	38.4891	5.27	0.03	252172				



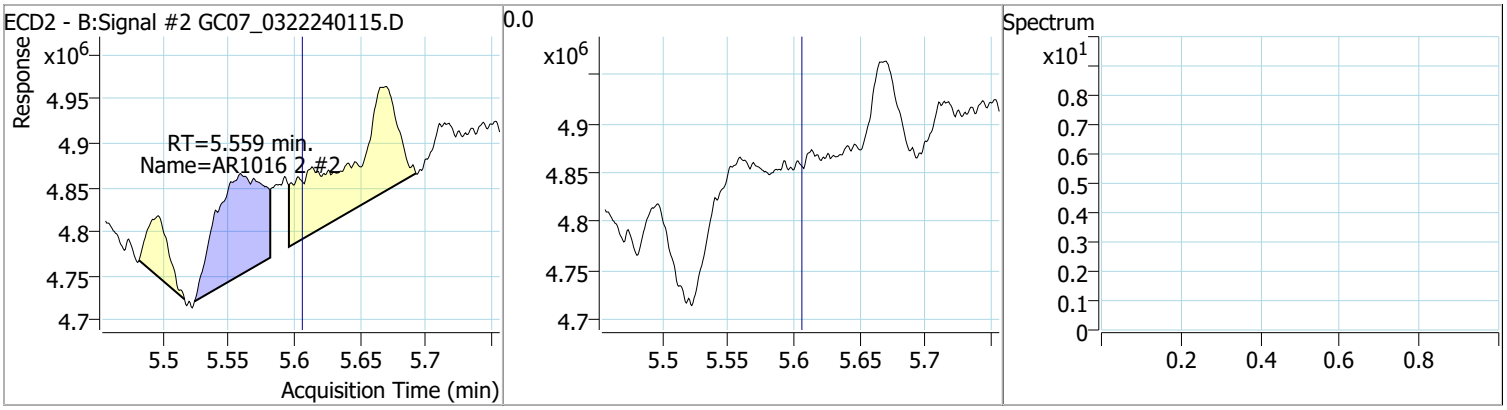
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	241.0336	5.43	-0.05	20406098				



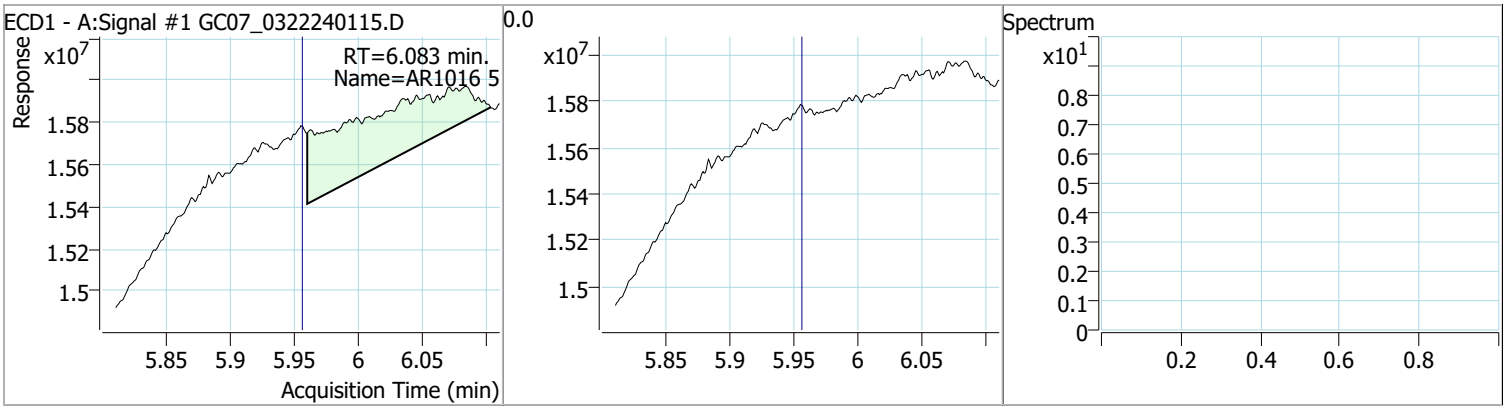
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	4.6438	5.56	-0.04	262268				



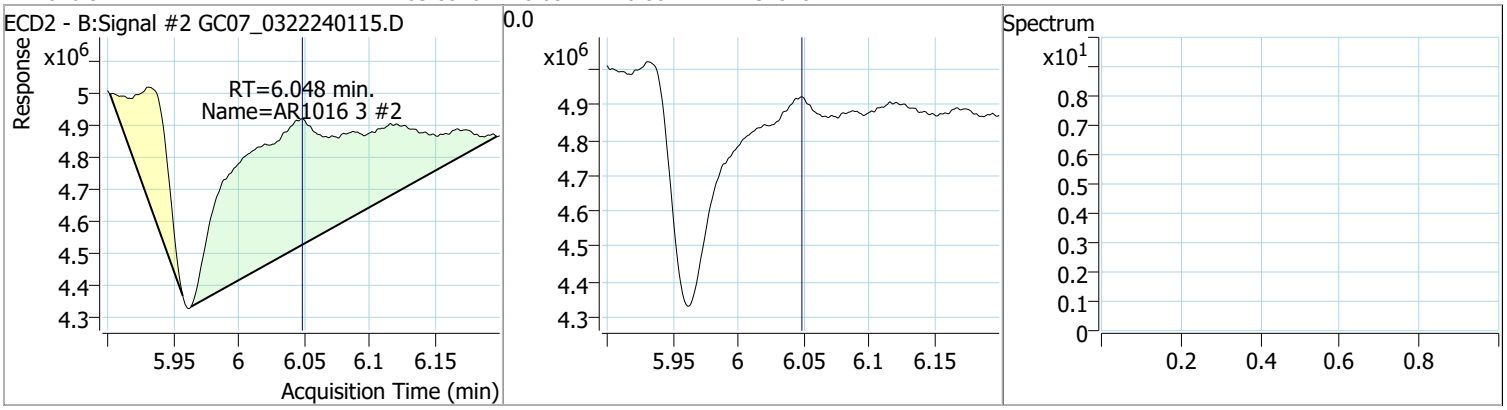
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	20.9166	5.56	-0.05	284832				



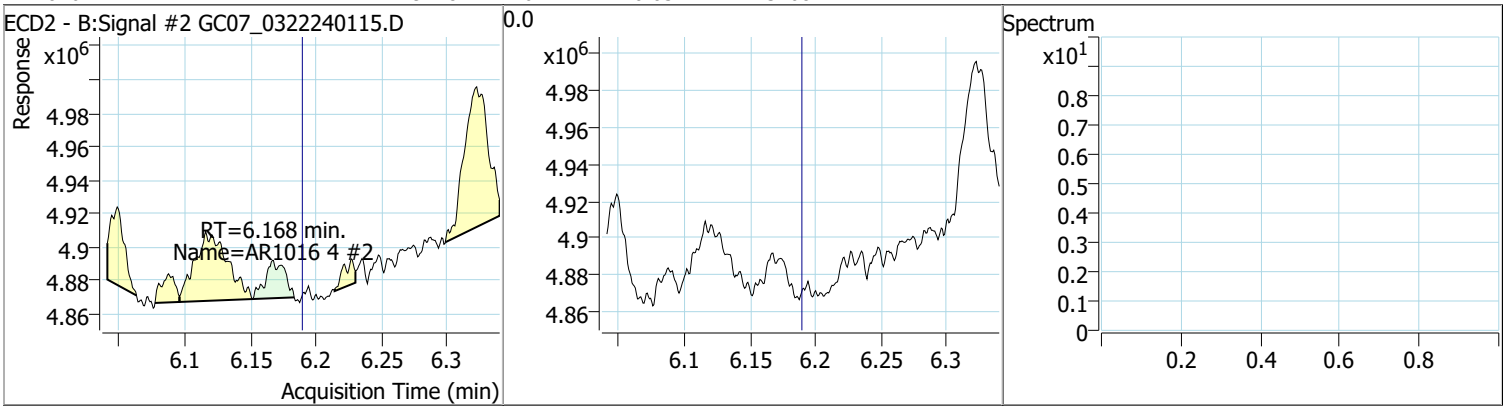
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	39.4741	6.08	0.11	1881964				



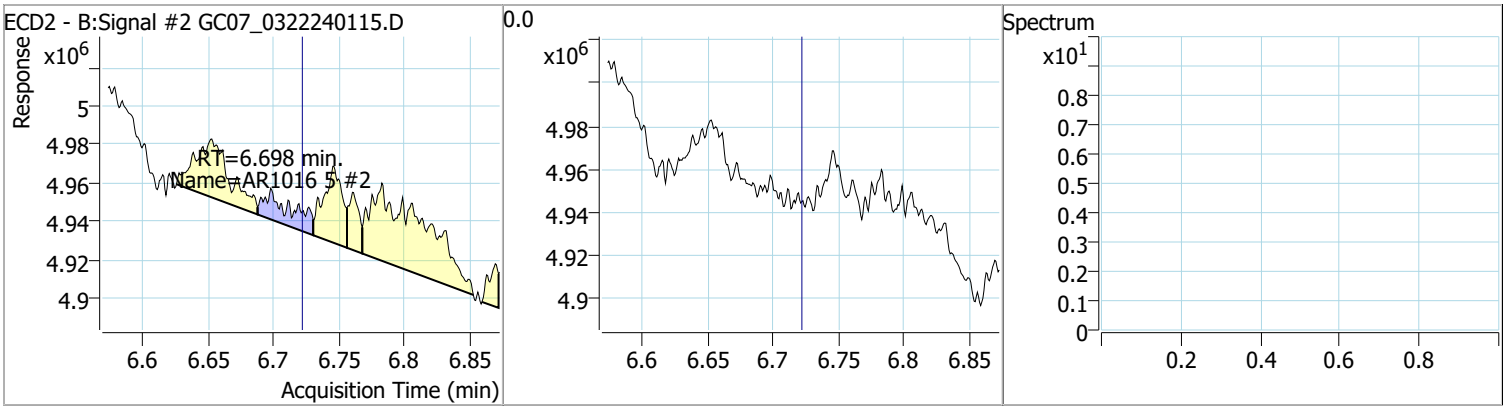
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	183.8516	6.05	0.00	3251827				



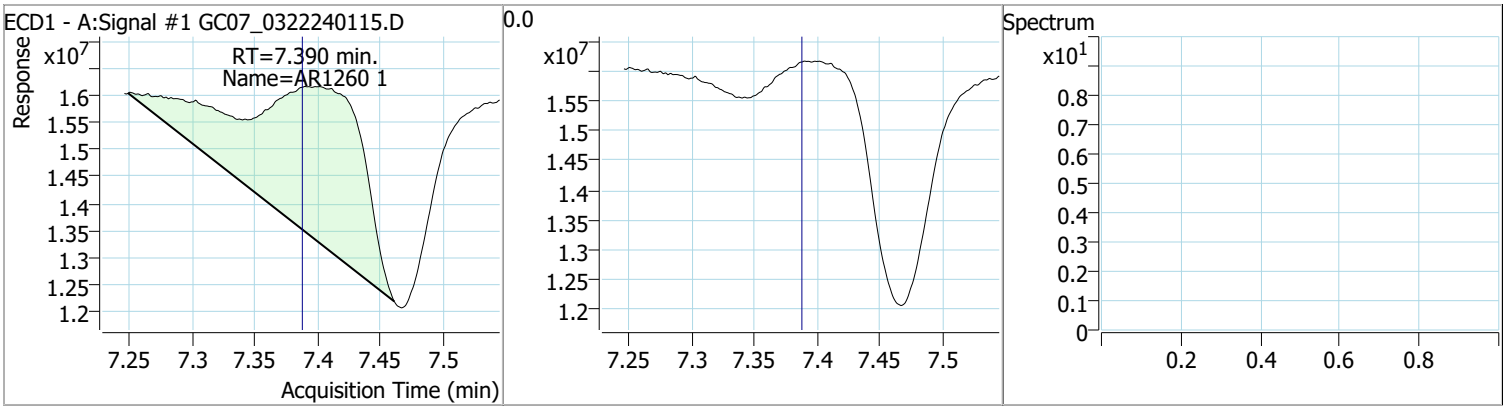
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.9778	6.17	-0.03	23168				



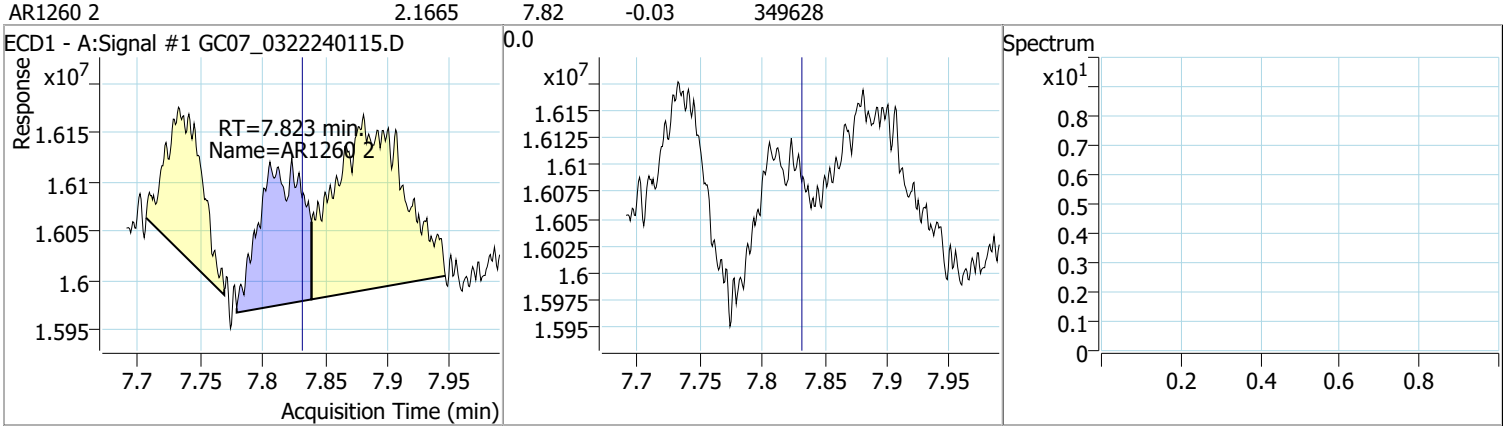
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.4960	6.70	-0.03	24841				



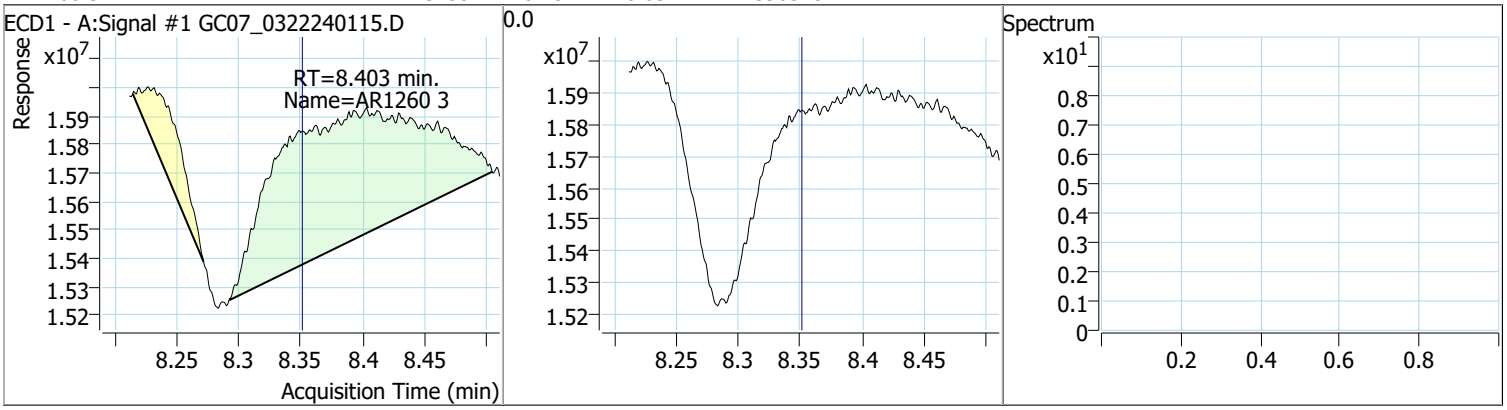
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	188.9503	7.39	-0.01	18855116				



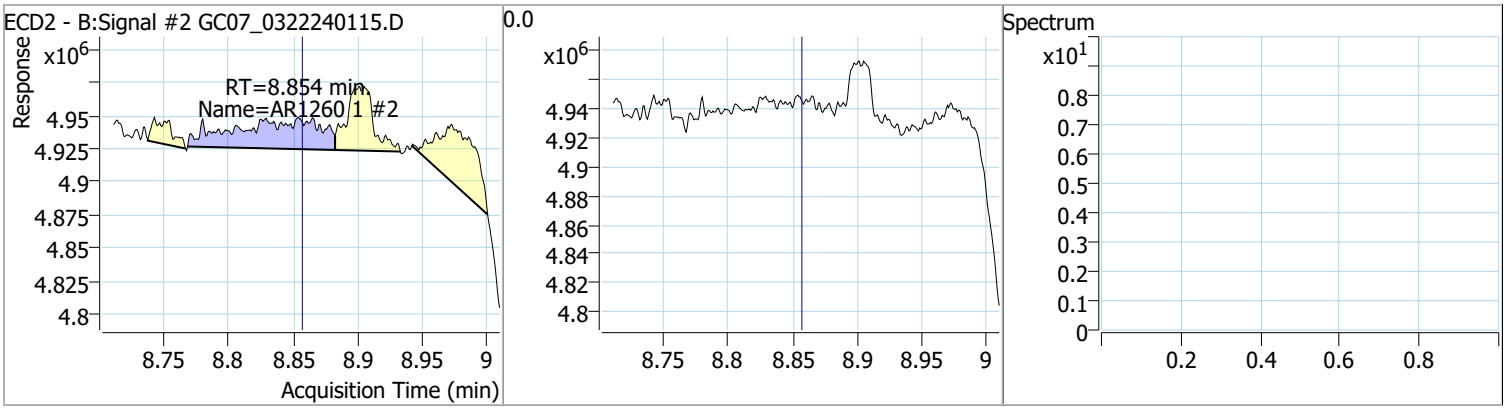
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.1665	7.82	-0.03	349628				



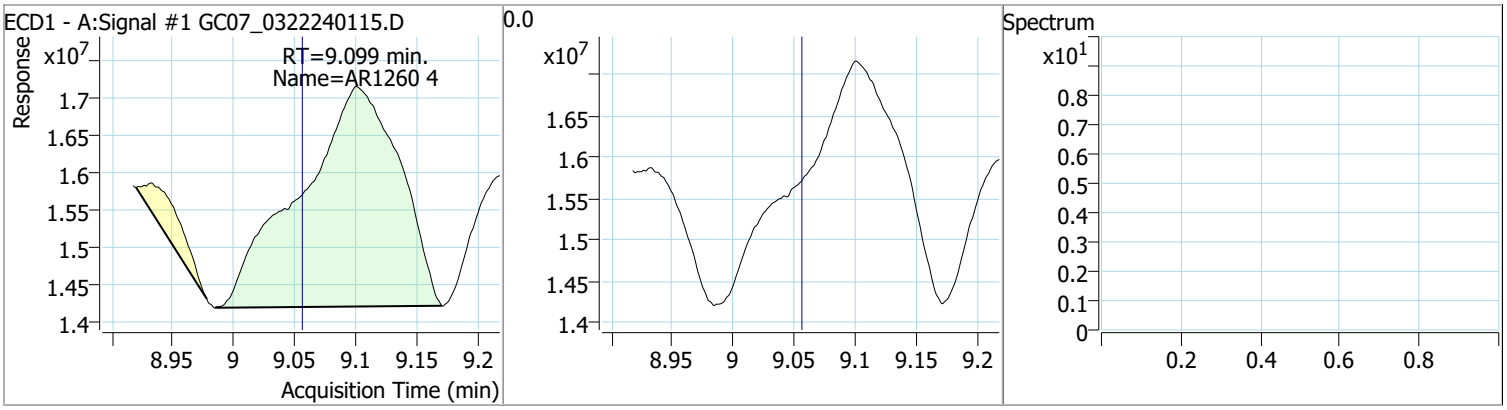
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AR1260 3	22.3755	8.40	0.03	3965787				



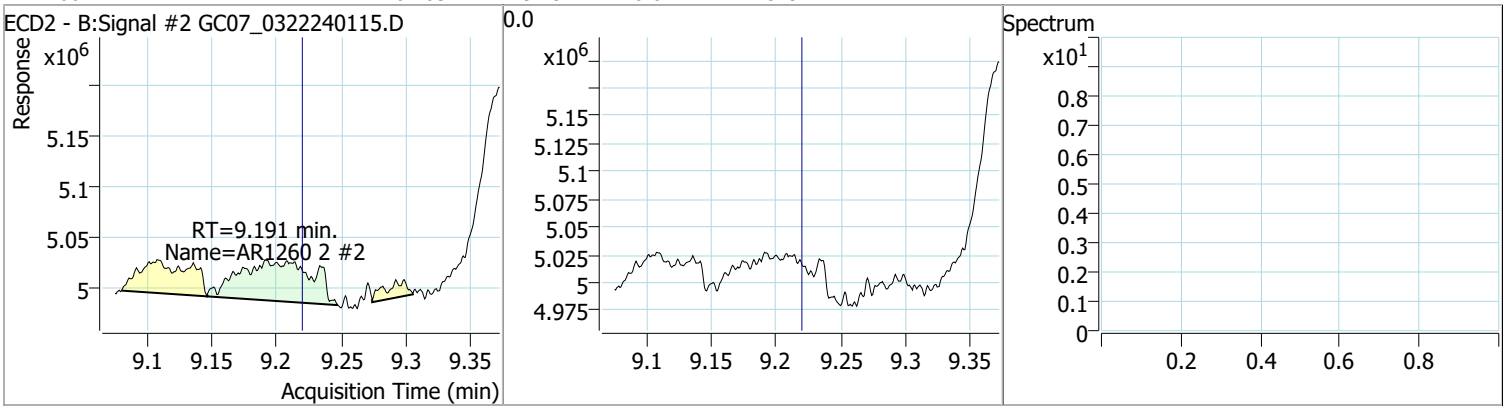
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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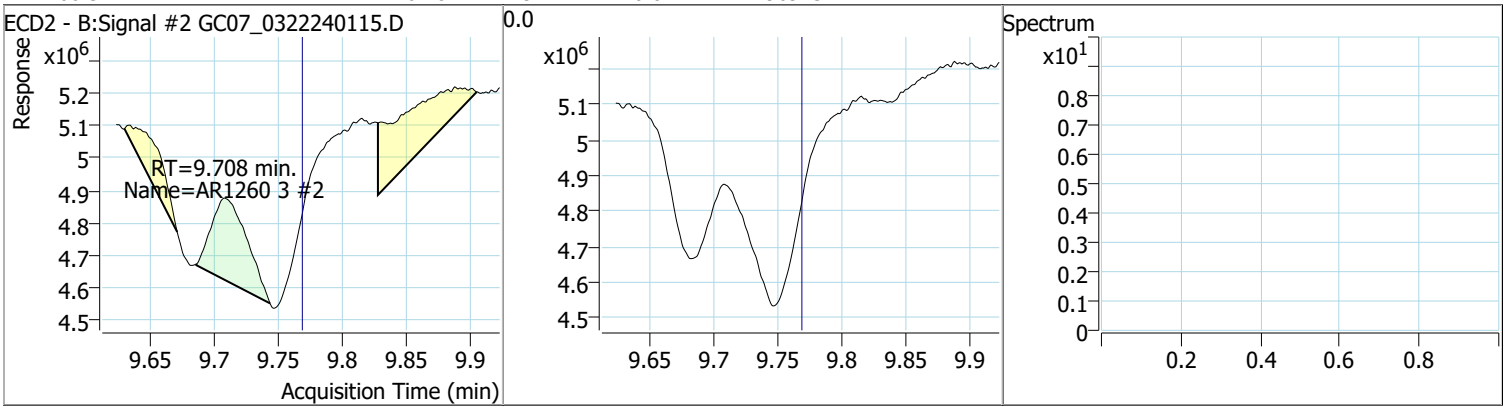
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	168.0843	9.10	0.02	16700941				



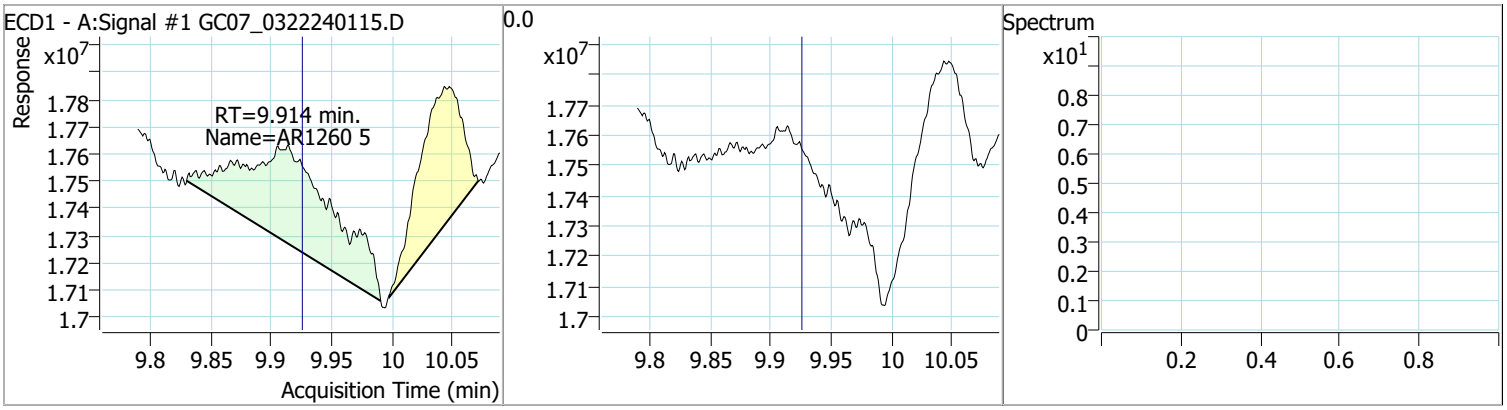
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	6.4037	9.19	-0.04	157972				



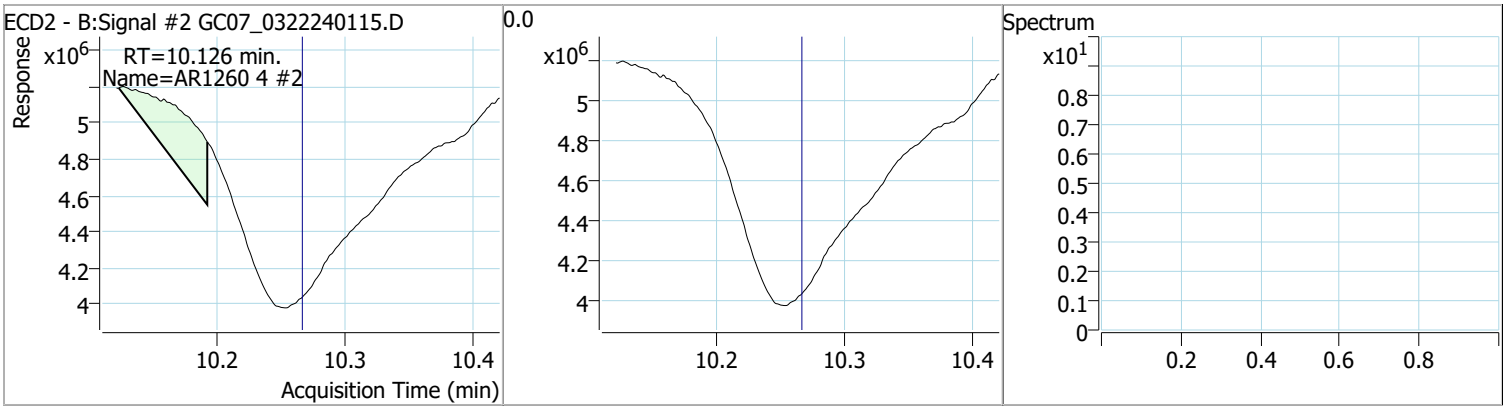
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	16.4824	9.71	-0.07	496923				



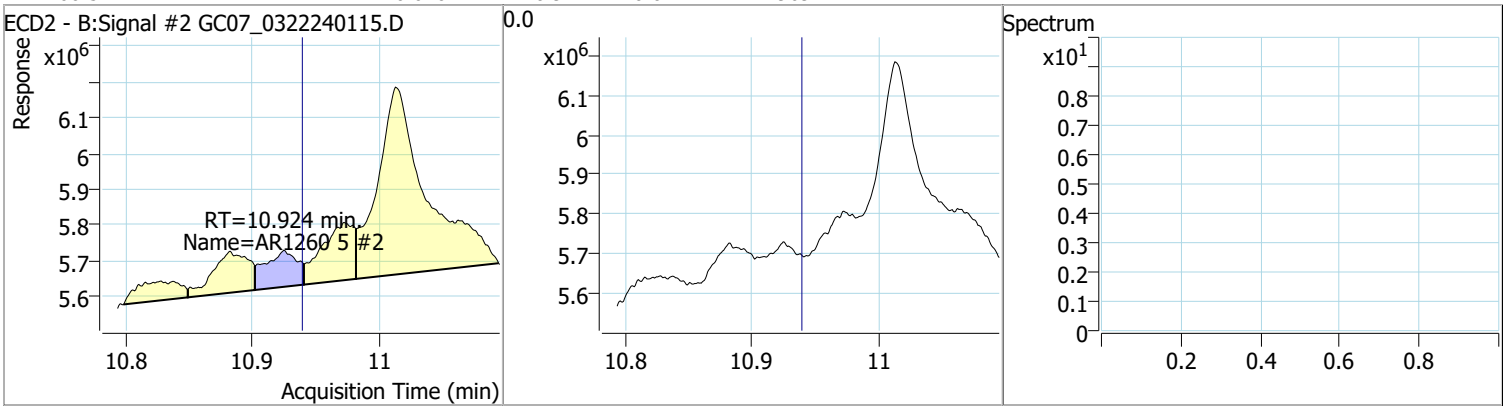
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	15.8692	9.91	-0.03	1890354				



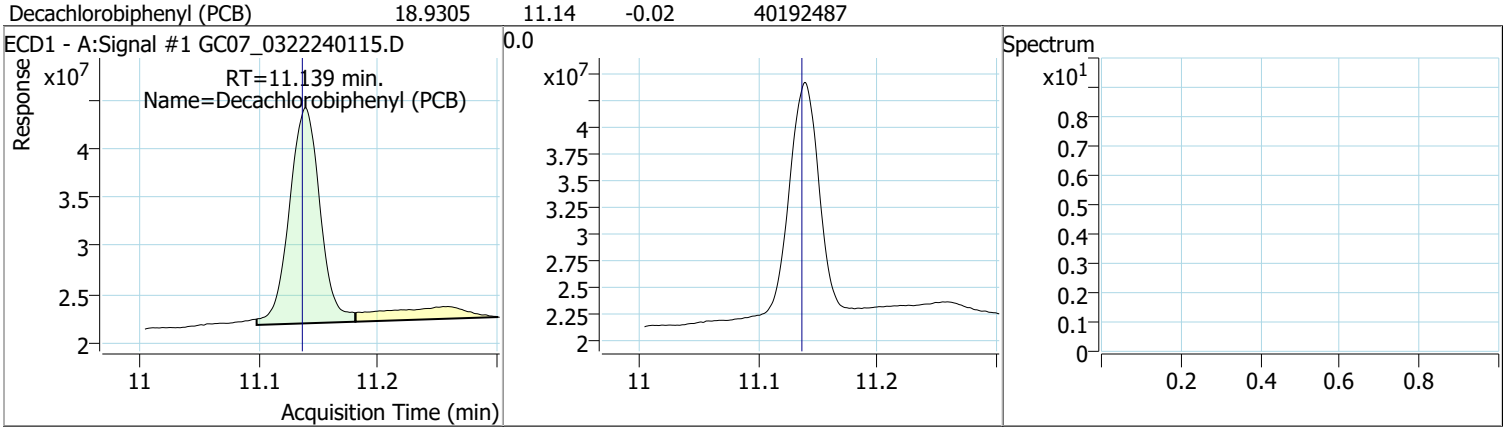
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	49.4355	10.13	-0.15	961438				



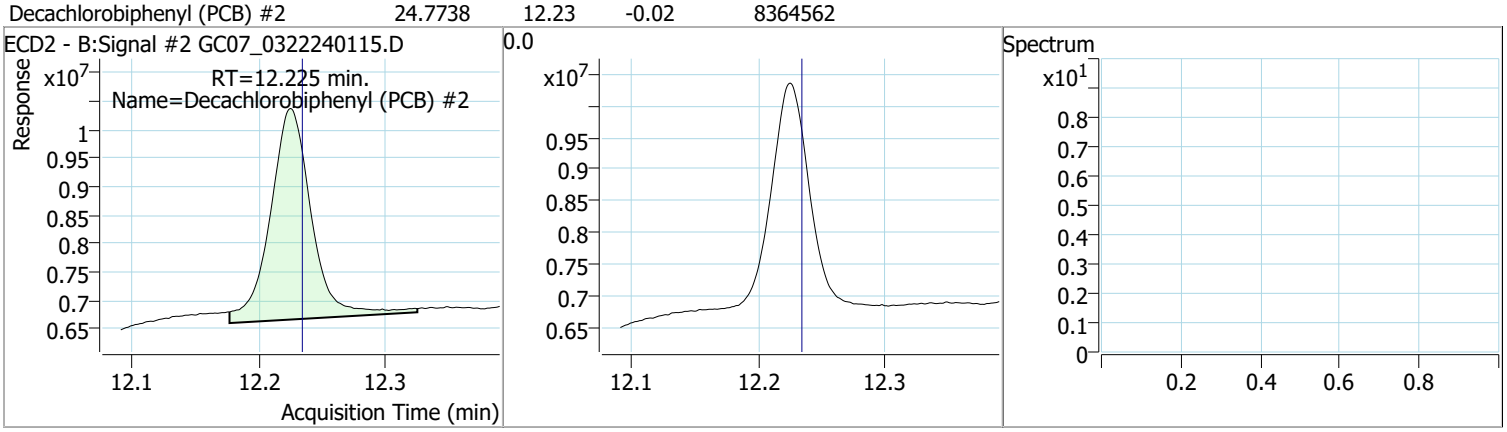
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	6.6702	10.92	-0.02	179694				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.9305	11.14	-0.02	40192487				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	24.7738	12.23	-0.02	8364562				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	504506-006	Client ID:	AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-P-WF
Seqnum:	464118734116	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_0322240116	Batch:	335940	Time:	22-MAR-2024 15:27
Cal:	464104819001	Caldate:	13-MAR-2024		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	61.10	ug/L	~~0.61~~ ~~FP~~	1.0	49%	0.50		x u
Aroclor-1016 Peak # 1	B	66.83	ug/L	0.67	1.07	46%			
Aroclor-1016 Peak # 2	B	60.00	ug/L	0.60	0.29	71%			
Aroclor-1016 Peak # 3	B	167.3	ug/L	1.67	3.14	61%			
Aroclor-1016 Peak # 4	B	2.317	ug/L	0.02	0.04	56%			
Aroclor-1016 Peak # 5	B	9.054	ug/L	0.09	0.48	136%			
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	34.47	ug/L	ND	0.57	49%	0.50		u
Aroclor-1260 Peak # 1	B	2.445	ug/L	0.02	1.54	194%			
Aroclor-1260 Peak # 2	B	4.455	ug/L	0.04	0.02	58%			
Aroclor-1260 Peak # 3	B	12.68	ug/L	0.13	0.07	52%			
Aroclor-1260 Peak # 4	B	140.8	ug/L	1.41	1.14	21%			
Aroclor-1260 Peak # 5	B	11.91	ug/L	0.12	0.06	72%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	33.83	pg/uL	0.5000	0.3383	68	19-121	u
Decachlorobiphenyl (PCB)	B	21.74	pg/uL	0.5000	0.2174	43	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	7081275	1.02
1-bromo-2-nitrobenzene (PCB)	A	36910905	39346746	6.60

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.68	0.00

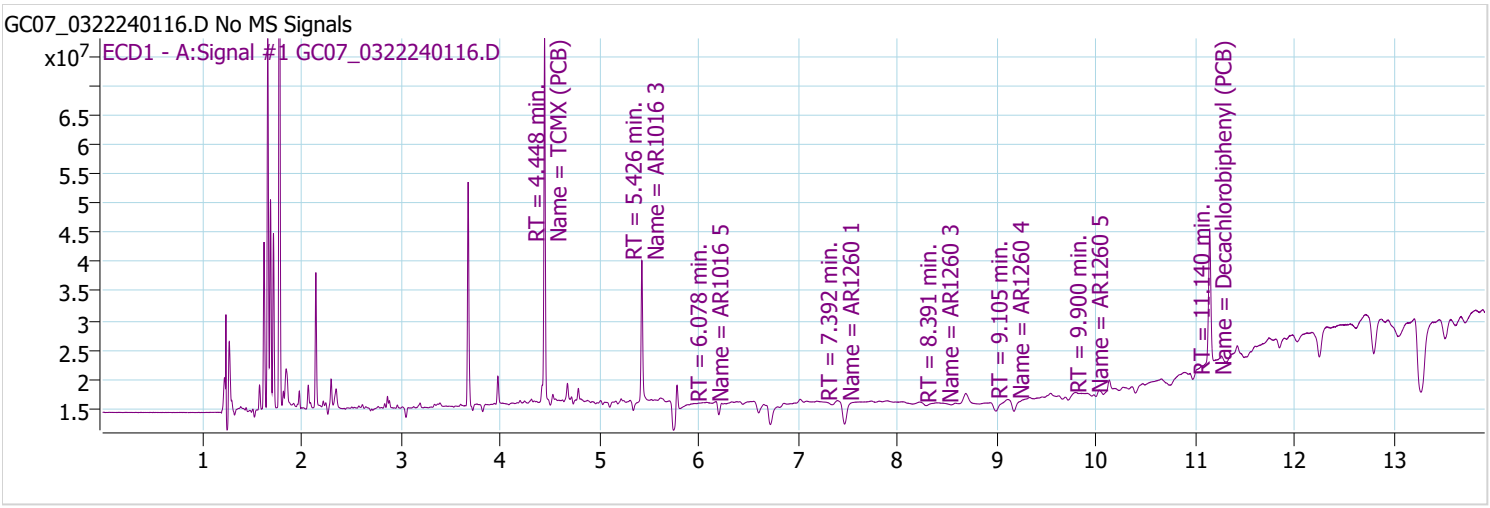
03/24/24 : WIPE/1-10ML

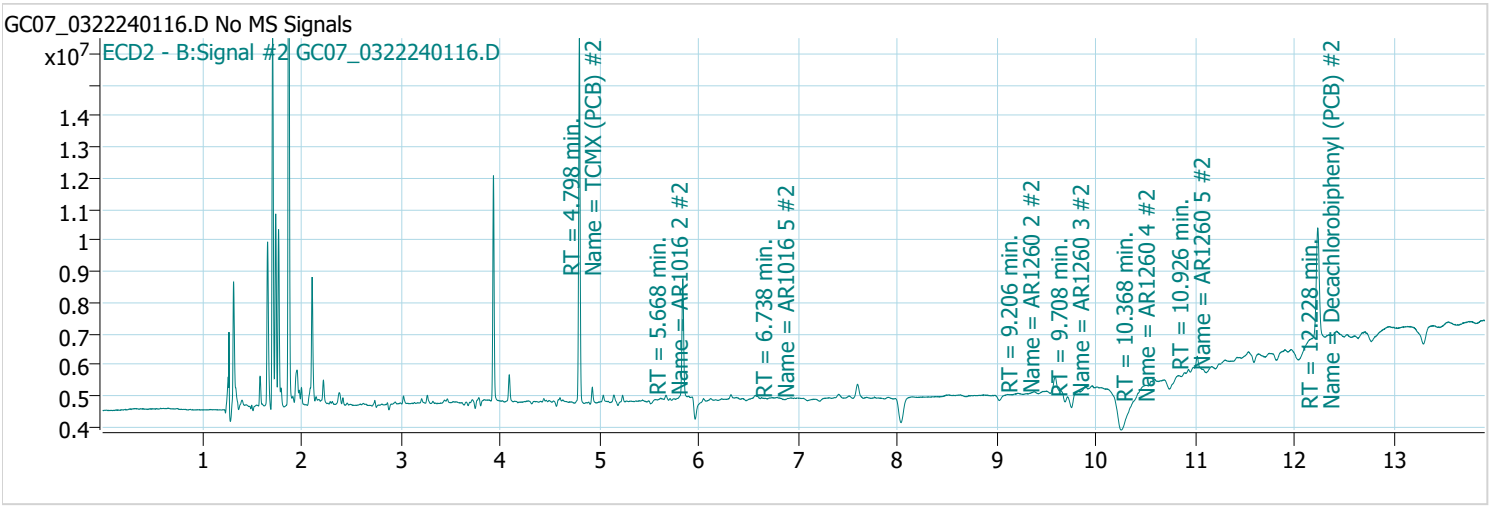
u=use x=false positive

Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240116.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 3:27:26 PM
Sample Name	504506-006, 335940, 1	Instrument	SVOA-GC07
Vial	7	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



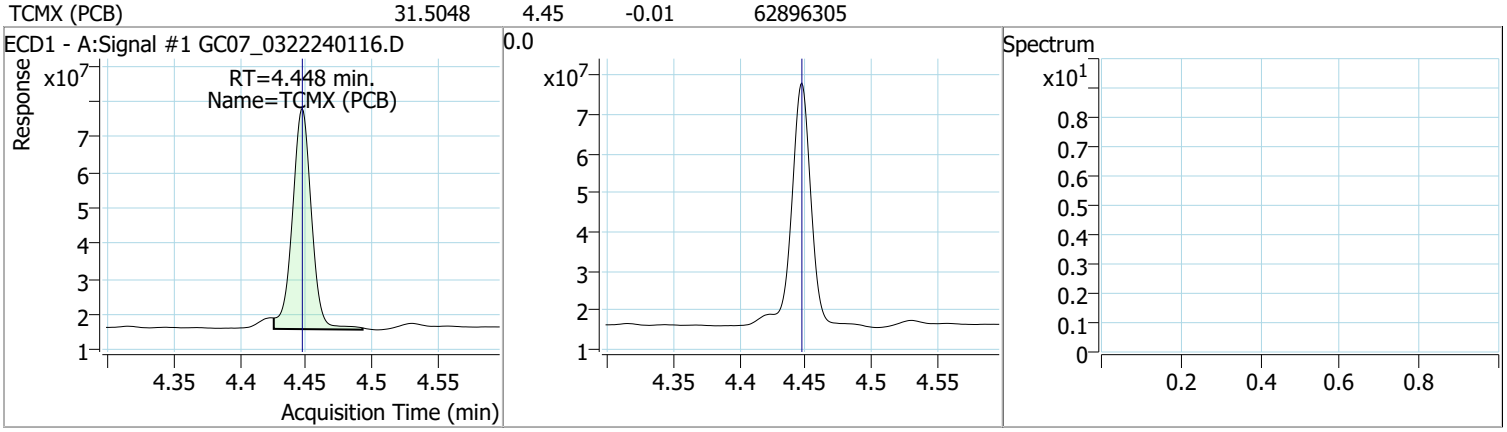


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.678	0.0	39346745.677	20.0000	ng/ml		-0.009
M 1-bromo-2-nitrobenzene (PCB) #2	3.933	0.0	7081275.420	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.448	0.0	62896305.422	31.5048	ng/ml		-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 157.52%		*	
S TCMX (PCB) #2	4.798	0.0	12049533.422	33.8328	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.16%		*	
S Decachlorobiphenyl (PCB)	11.140	0.0	39217883.628	15.5045	ng/ml		-0.022
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 77.52%			
S Decachlorobiphenyl (PCB) #2	12.228	0.0	8474496.756	21.7362	ng/ml		-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 108.68%			
Target Compounds							QValue

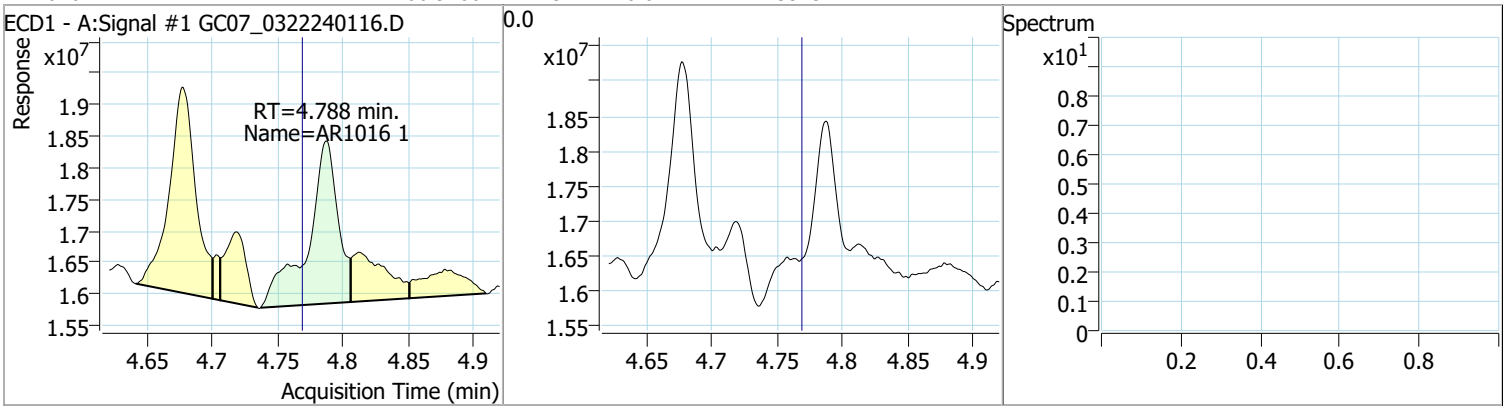
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.788	0.0	4199794.096	106.9200	ng/ml	100
T AR1016 2	5.050	0.0	2078797.311	28.5702	ng/ml	100
T AR1016 1 #2	5.233	0.0	505590.626	66.8282	ng/ml	100
T AR1016 3	5.426	0.0	31678864.653	314.0817	ng/ml	100
T AR1016 4	5.560	0.0	277071.300	4.1179	ng/ml	100
T AR1016 2 #2	5.668	0.0	943406.269	59.9960	ng/ml	100
T AR1016 5	6.078	0.0	2699814.644	47.5324	ng/ml	100
T AR1016 3 #2	6.046	0.0	3416824.711	167.2948	ng/ml	100
T AR1016 4 #2	6.167	0.0	31335.942	2.3166	ng/ml	100
T AR1016 5 #2	6.738	0.0	104051.446	9.0542	ng/ml	100
T AR1260 1	7.392	0.0	18326038.797	154.1496	ng/ml	100
T AR1260 2	7.816	0.0	469060.534	2.4397	ng/ml	100
T AR1260 3	8.391	0.0	1580314.987	7.4841	ng/ml	100
T AR1260 1 #2	8.864	0.0	64506.255	2.4449	ng/ml	100
T AR1260 4	9.105	0.0	13460267.290	113.7091	ng/ml	100
T AR1260 2 #2	9.206	0.0	126894.250	4.4546	ng/ml	100
T AR1260 3 #2	9.708	0.0	441574.518	12.6840	ng/ml	100
T AR1260 5	9.900	0.0	796394.515	5.6117	ng/ml	100
T AR1260 4 #2	10.368	0.0	3162842.900	140.8363	ng/ml	100
T AR1260 5 #2	10.926	0.0	370392.384	11.9066	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

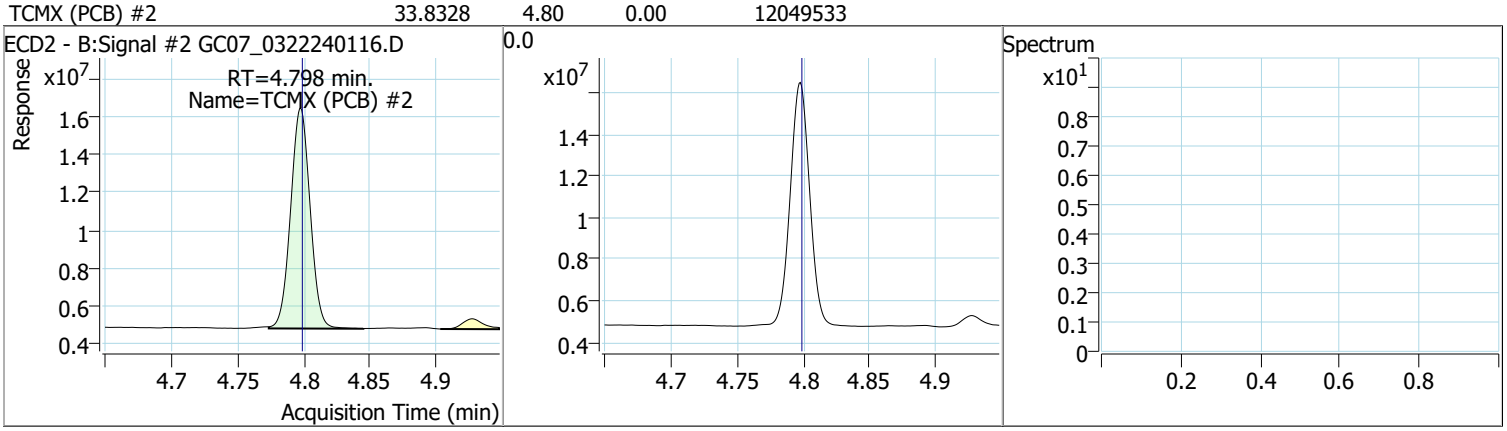
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	31.5048	4.45	-0.01	62896305				



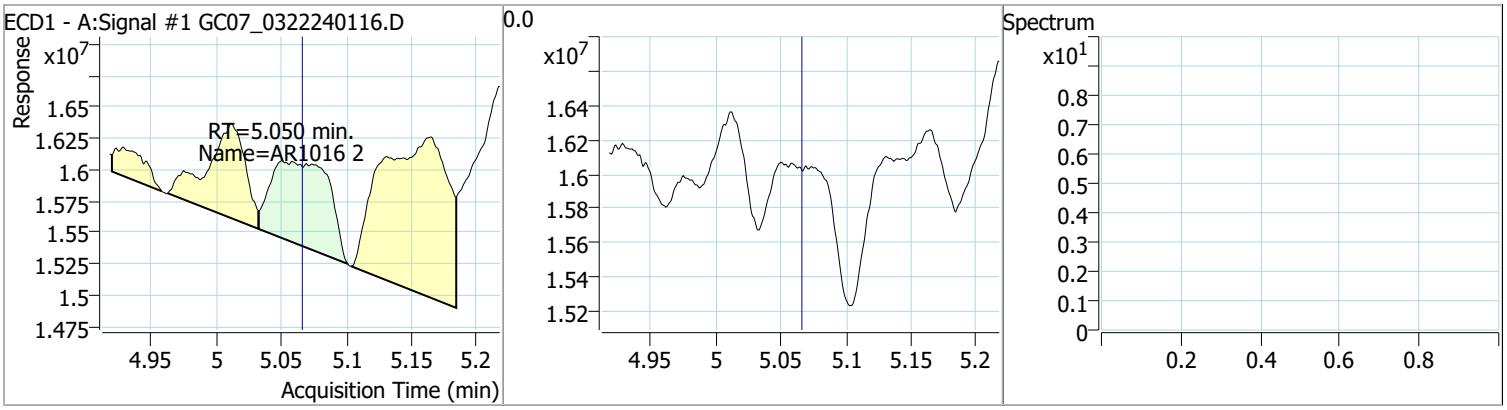
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	106.9200	4.79	0.01	4199794				



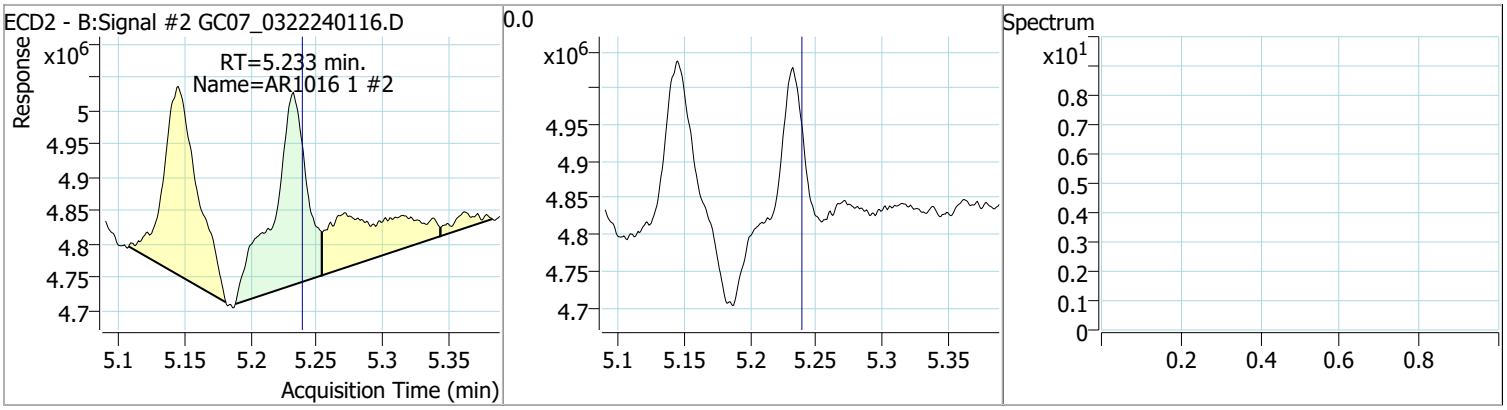
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.8328	4.80	0.00	12049533				



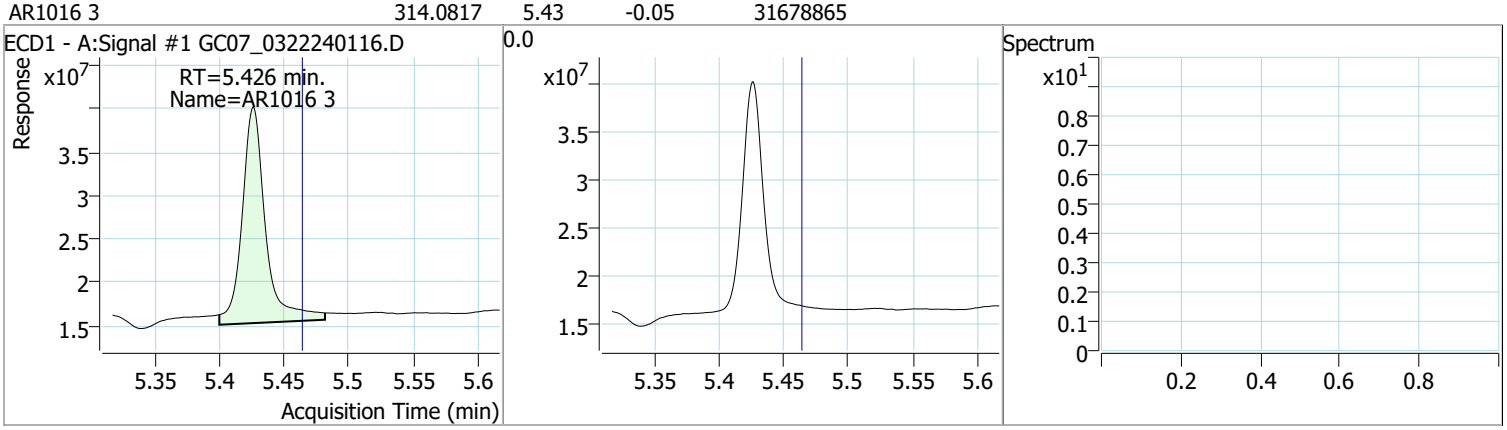
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	28.5702	5.05	-0.03	2078797				



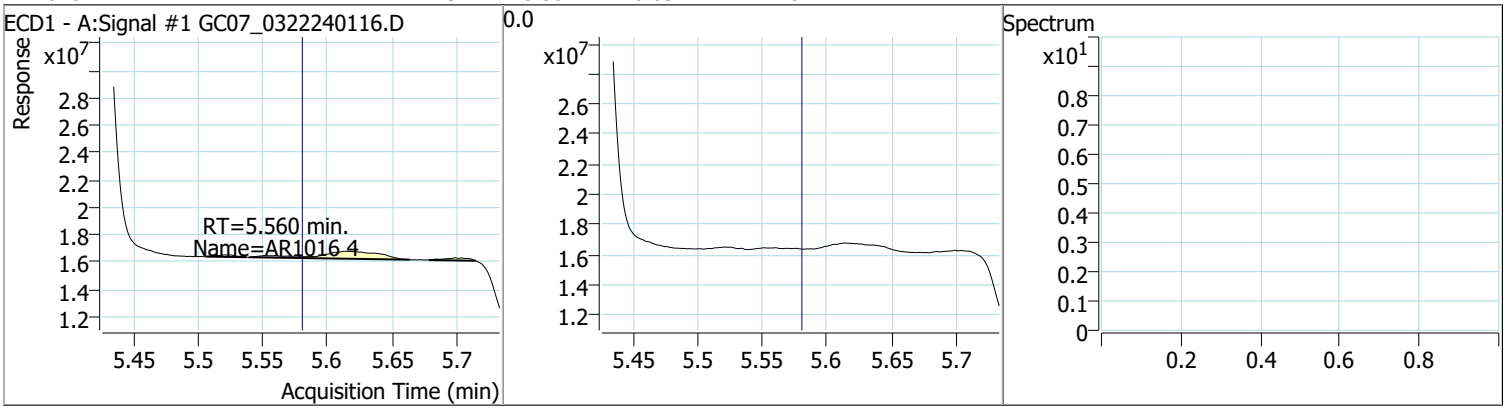
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	66.8282	5.23	-0.01	505591				



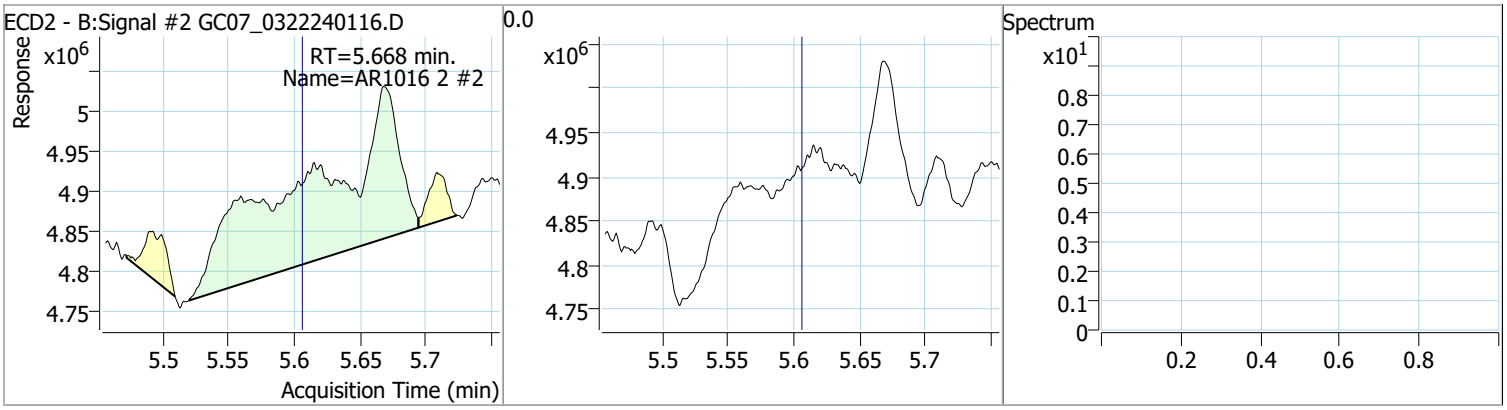
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	314.0817	5.43	-0.05	31678865				



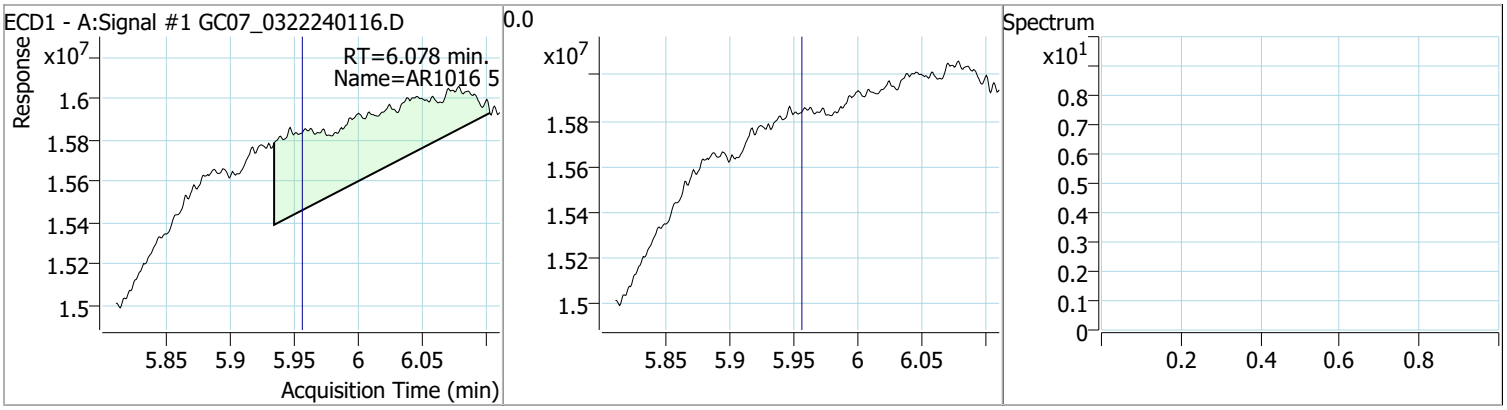
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	4.1179	5.56	-0.03	277071				



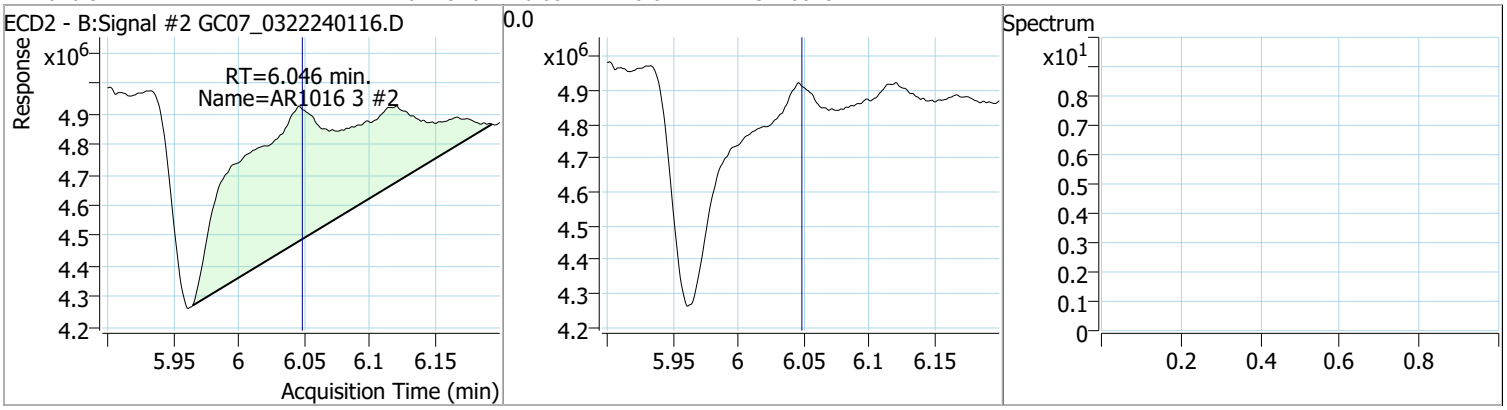
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	59.9960	5.67	0.06	943406				



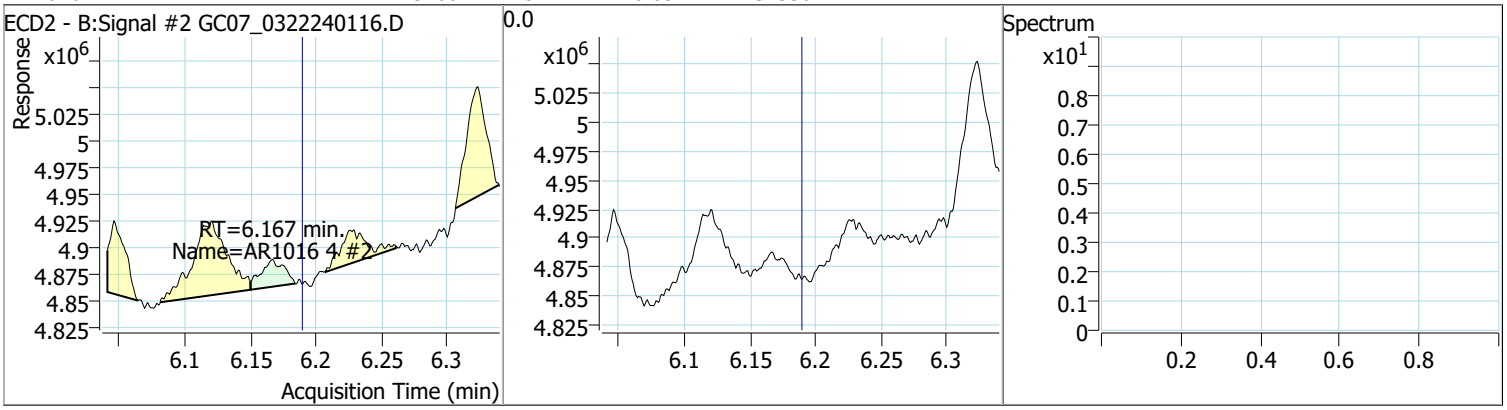
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	47.5324	6.08	0.11	2699815				



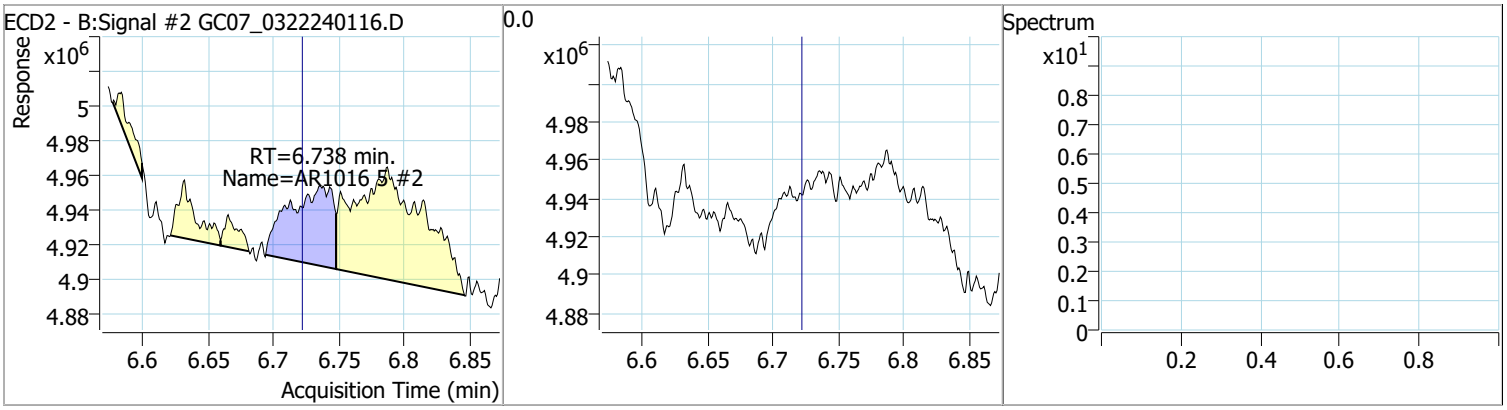
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	167.2948	6.05	-0.01	3416825				



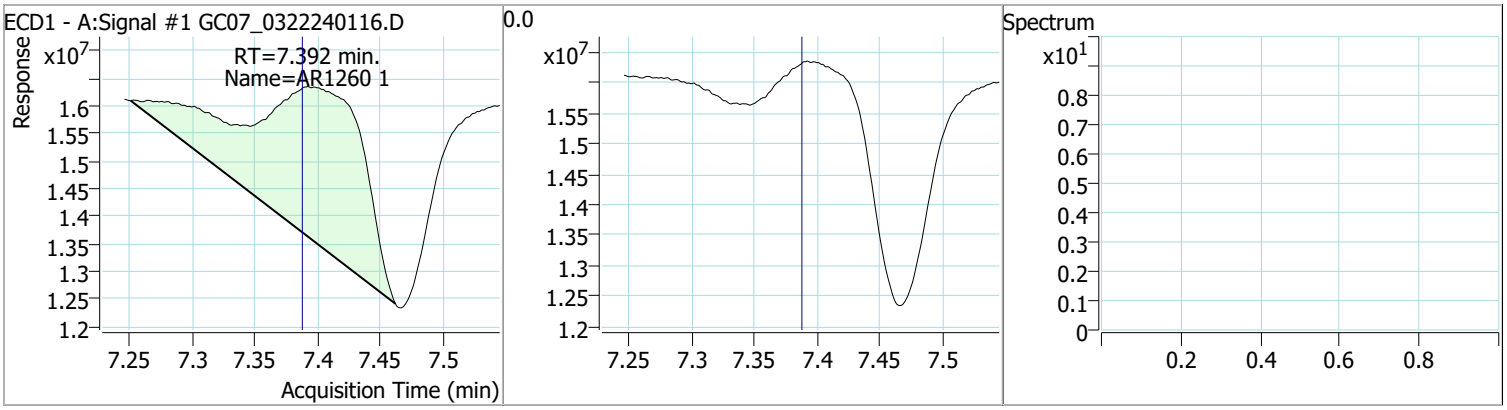
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.3166	6.17	-0.03	31336				



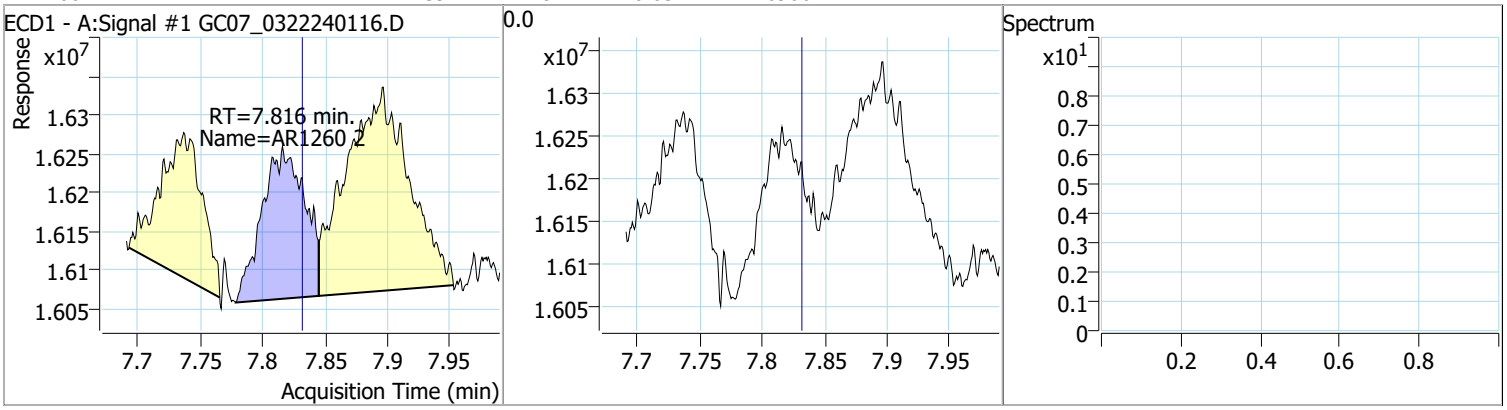
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	9.0542	6.74	0.01	104051				



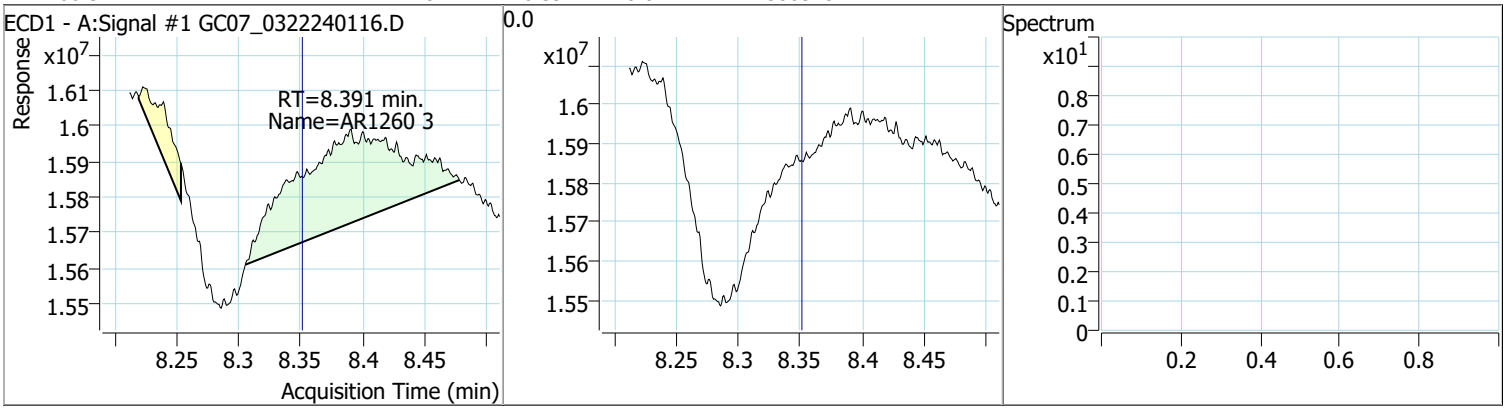
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	154.1496	7.39	-0.01	18326039				



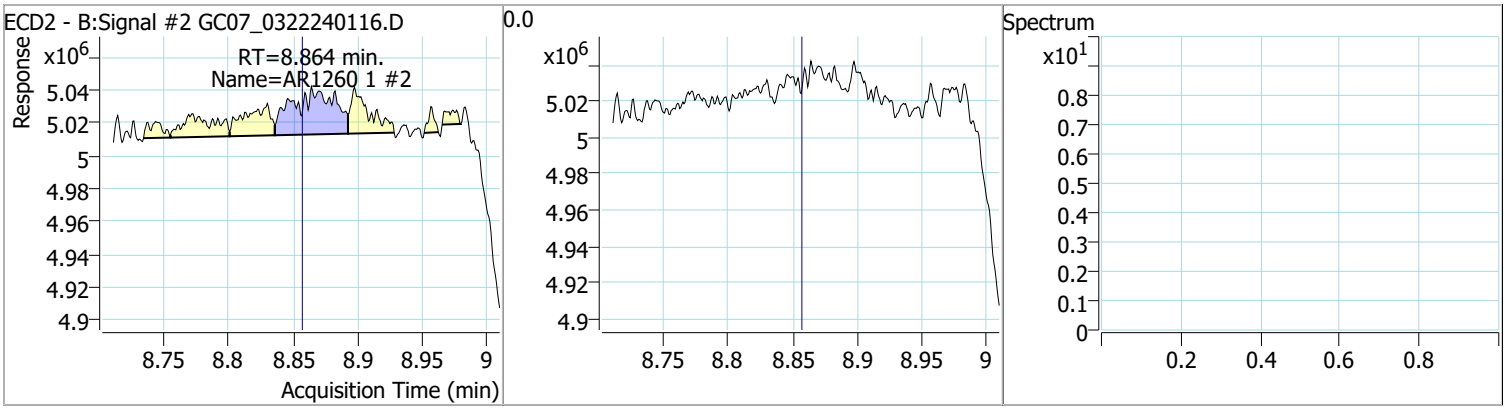
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.4397	7.82	-0.03	469061				



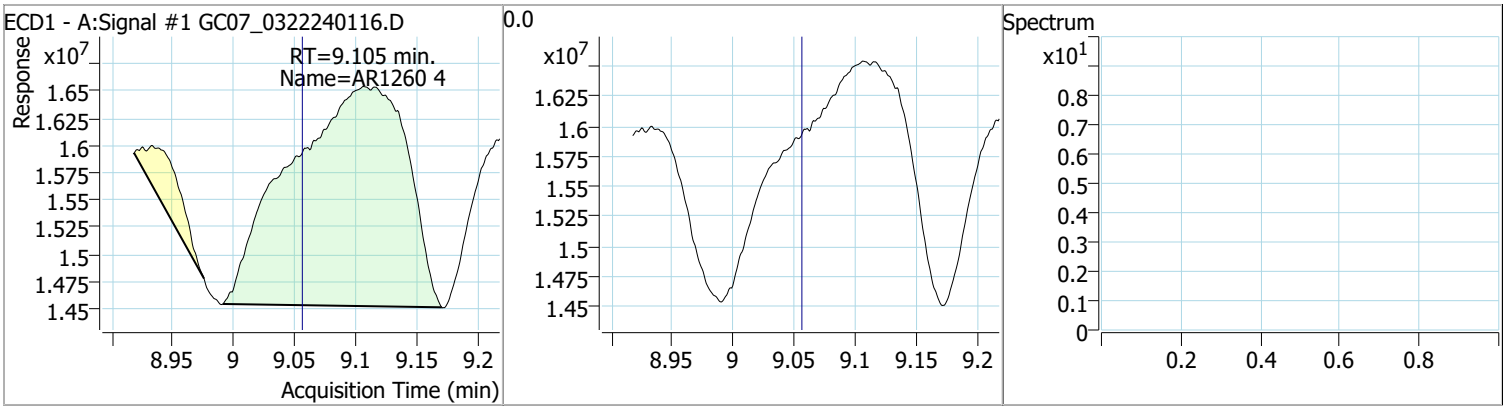
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	7.4841	8.39	0.02	1580315				



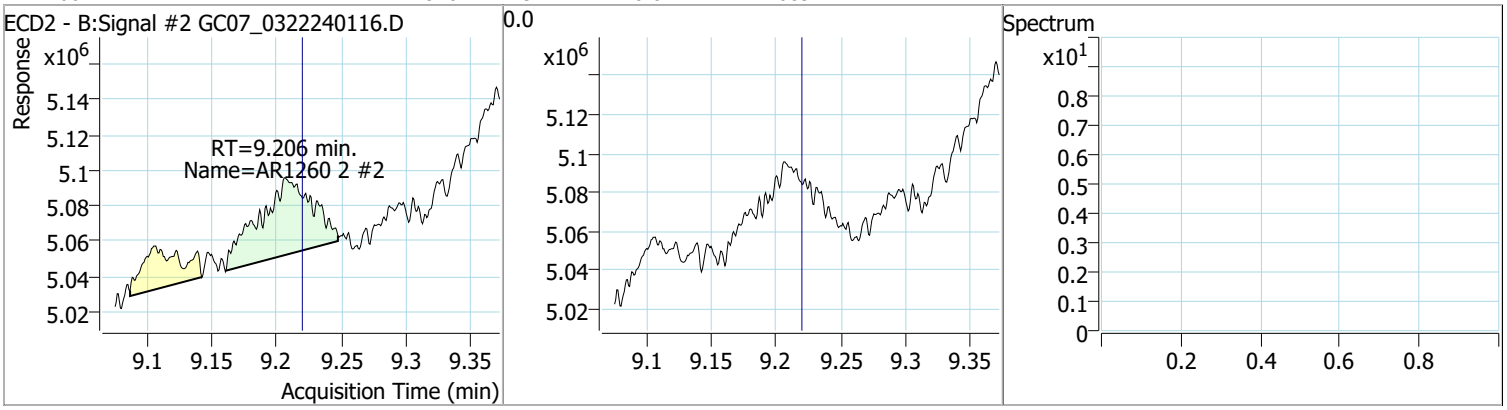
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	2.4449	8.86	0.00	64506				



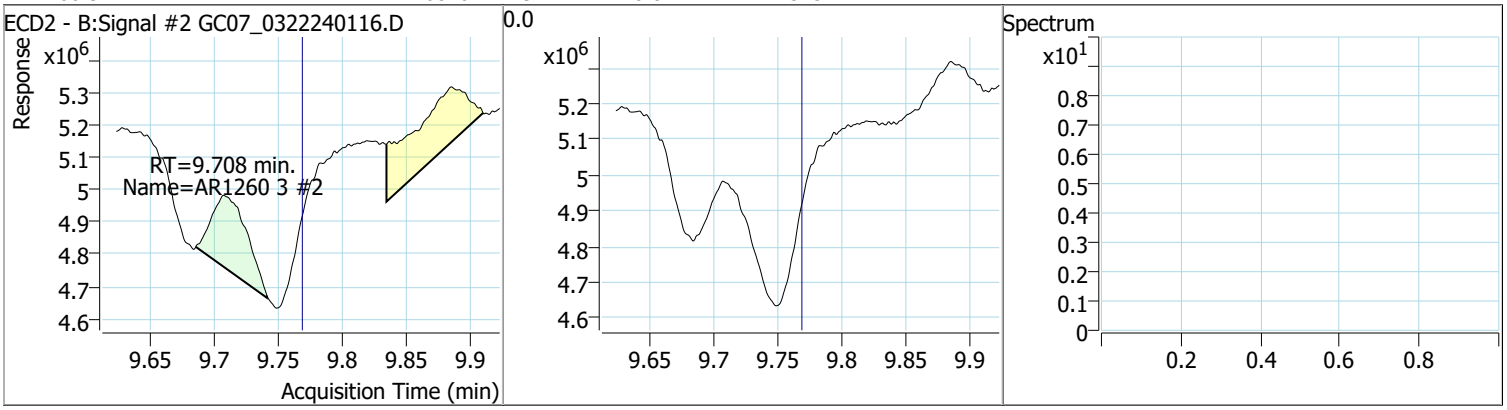
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	113.7091	9.11	0.03	13460267				



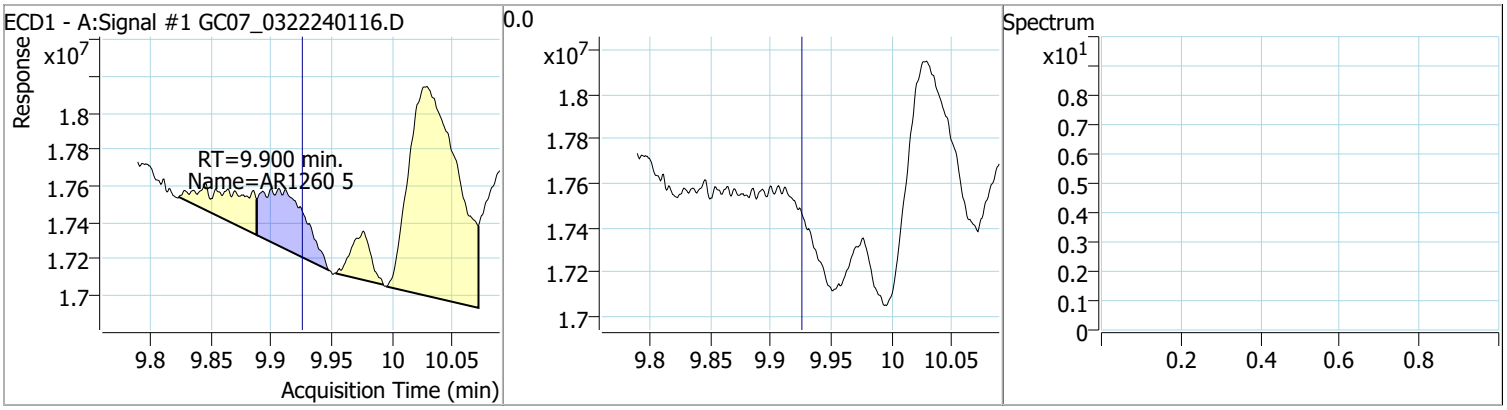
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.4546	9.21	-0.02	126894				



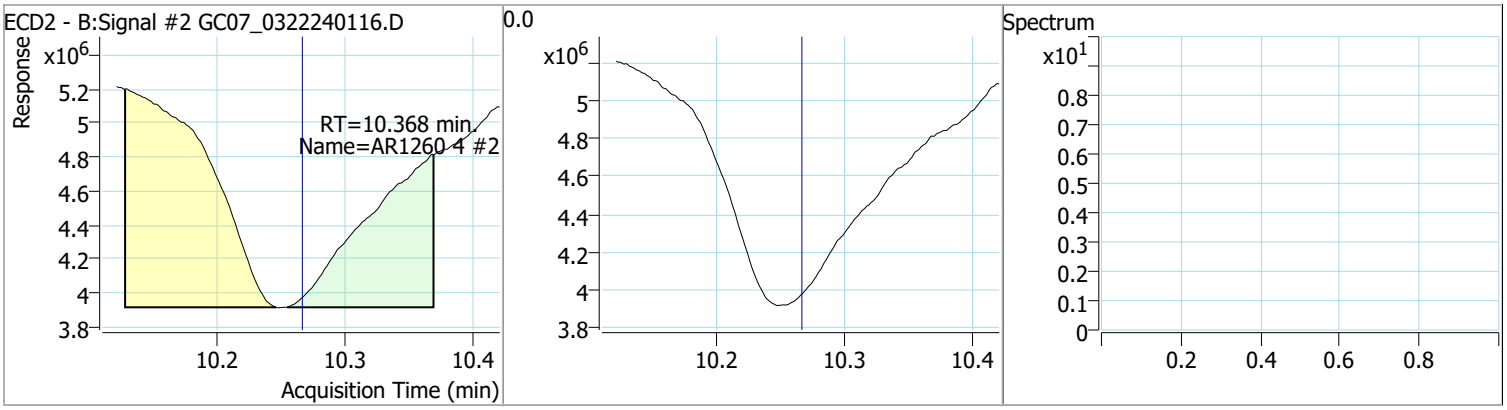
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	12.6840	9.71	-0.07	441575				



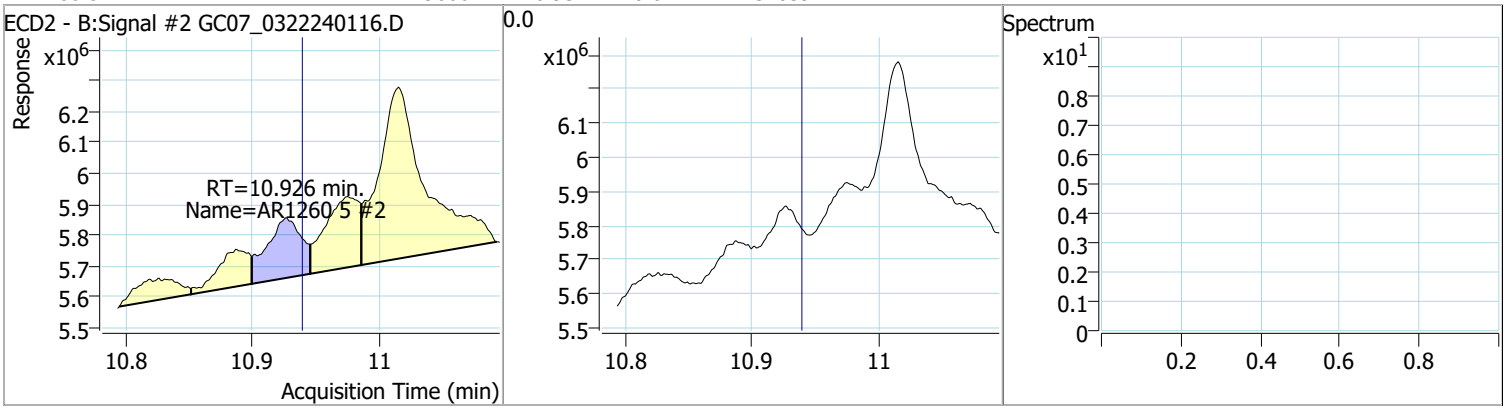
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	5.6117	9.90	-0.05	796395				



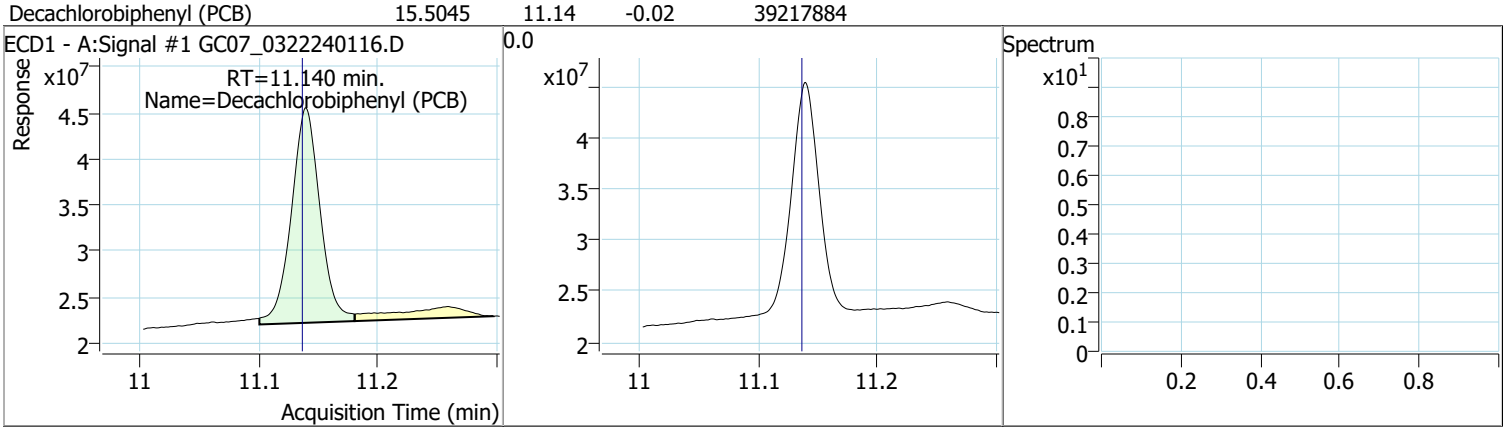
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	140.8363	10.37	0.09	3162843				



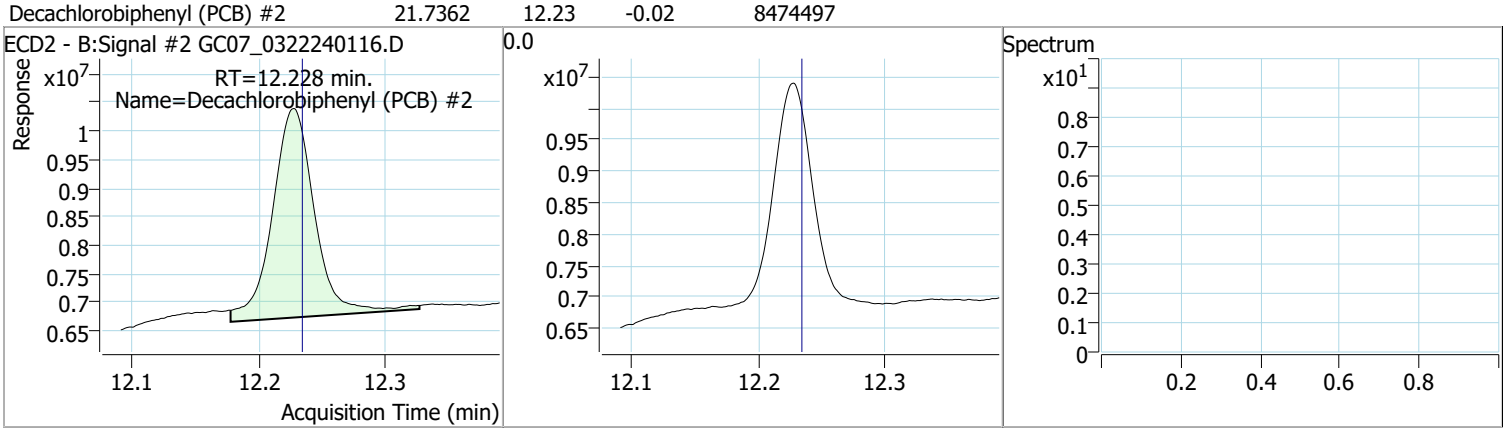
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	11.9066	10.93	-0.02	370392				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	15.5045	11.14	-0.02	39217884				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	21.7362	12.23	-0.02	8474497				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	504506-008	Client ID:	AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-P-LA
Seqnum:	464118734117	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_0322240117	Batch:	335940	Time:	22-MAR-2024 15:48
Cal:	464104819001	Caldate:	13-MAR-2024		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	46.64	ug/L	ND	0.59	23%	0.50		u
Aroclor-1016 Peak # 1	B	21.60	ug/L	0.22	0.74	110%			
Aroclor-1016 Peak # 2	B	8.868	ug/L	0.09	0.24	94%			
Aroclor-1016 Peak # 3	B	186.5	ug/L	1.87	1.39	29%			
Aroclor-1016 Peak # 4	B	6.351	ug/L	0.06	0.07	13%			
Aroclor-1016 Peak # 5	B	9.811	ug/L	0.10	0.49	133%			
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	44.97	ug/L	ND	0.48	7%	0.50		u
Aroclor-1260 Peak # 1	B	8.406	ug/L	0.08	1.33	176%			
Aroclor-1260 Peak # 2	B	1.593	ug/L	0.02	0.02	26%			
Aroclor-1260 Peak # 3	B	10.64	ug/L	0.11	0.10	10%			
Aroclor-1260 Peak # 4	B	159.8	ug/L	1.60	0.87	59%			
Aroclor-1260 Peak # 5	B	44.39	ug/L	0.44	0.10	125%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	28.62	pg/uL	0.5000	0.2862	57	19-121	u
Decachlorobiphenyl (PCB)	B	19.45	pg/uL	0.5000	0.1945	39	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	6970333	-0.56
1-bromo-2-nitrobenzene (PCB)	A	36910905	37953373	2.82

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.68	0.00

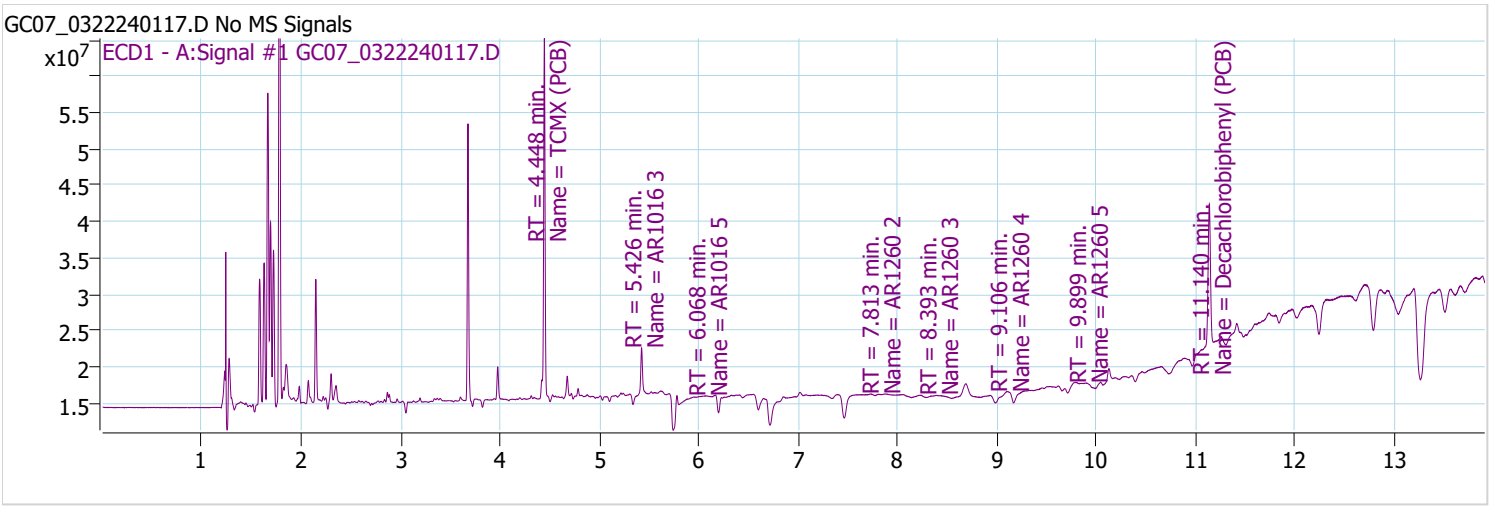
03/24/24 : WIPE/1-10ML

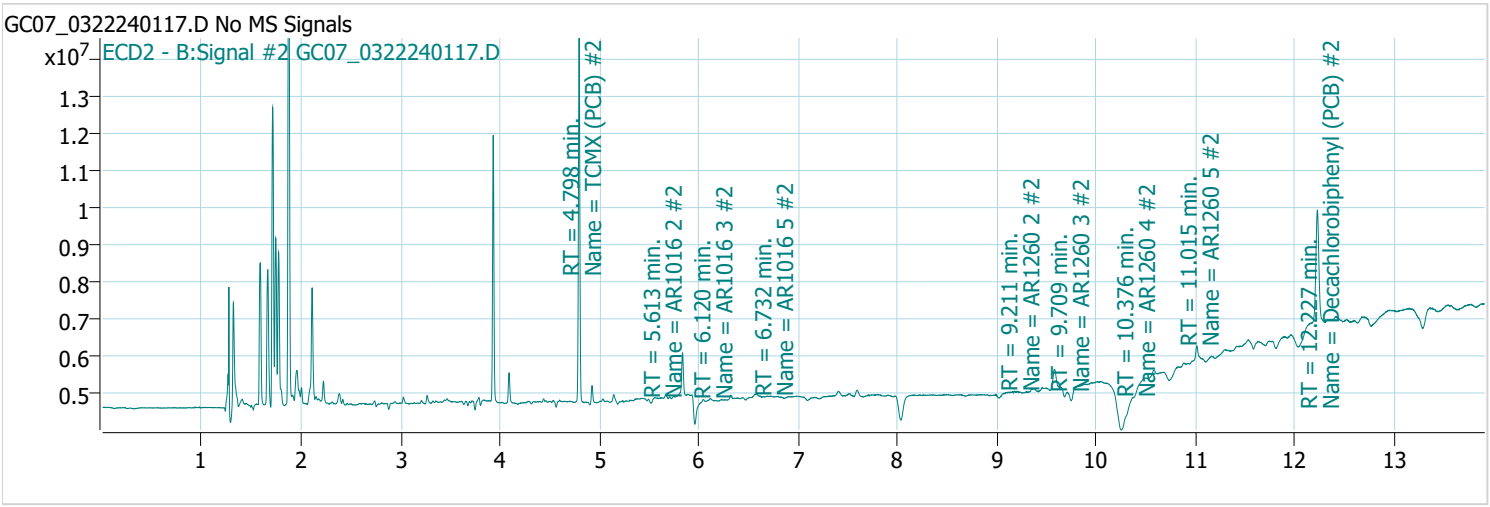
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Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240117.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 3:48:24 PM
Sample Name	504506-008, 335940, 1	Instrument	SVOA-GC07
Vial	8	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



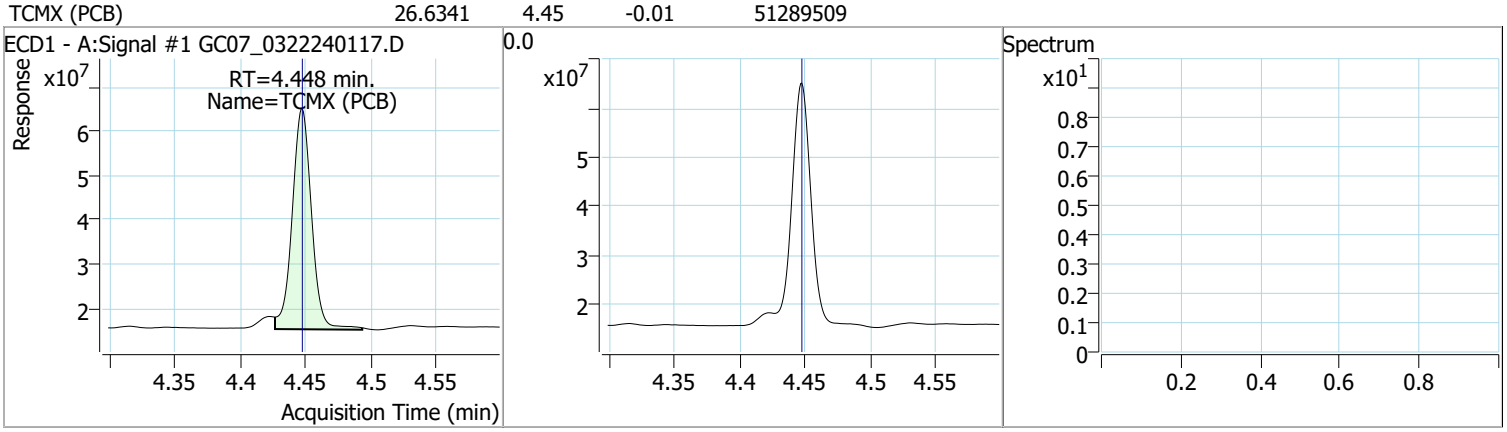


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.678	0.0	37953372.792	20.0000	ng/ml	-0.009
M 1-bromo-2-nitrobenzene (PCB) #2	3.933	0.0	6970333.417	20.0000	ng/ml	-0.003
System Monitoring Compounds						
S TCMX (PCB)	4.448	0.0	51289509.496	26.6341	ng/ml	-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 133.17%		
S TCMX (PCB) #2	4.798	0.0	10031782.704	28.6157	ng/ml	-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 143.08%		
S Decachlorobiphenyl (PCB)	11.140	0.0	35839069.167	14.6889	ng/ml	-0.022
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 73.44%		
S Decachlorobiphenyl (PCB) #2	12.227	0.0	7464532.211	19.4505	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.25%		
Target Compounds						QValue

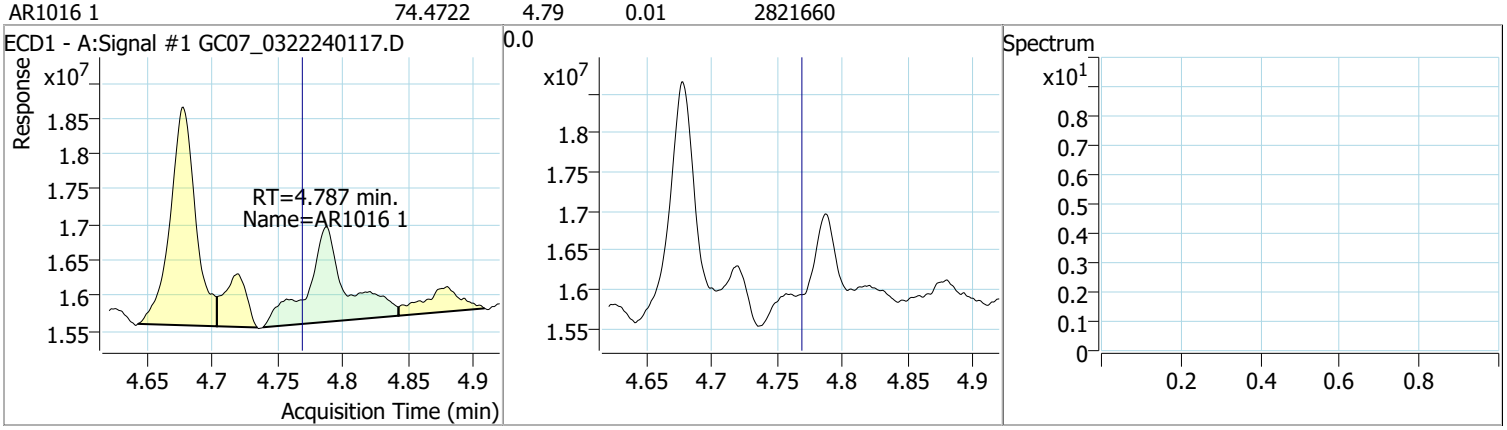
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.787	0.0	2821659.777	74.4722	ng/ml	100
T AR1016 2	5.078	0.0	1717927.336	24.4773	ng/ml	100
T AR1016 1 #2	5.233	0.0	160862.925	21.6010	ng/ml	100
T AR1016 3	5.426	0.0	13549622.999	139.2703	ng/ml	100
T AR1016 4	5.563	0.0	467320.355	7.2005	ng/ml	100
T AR1016 2 #2	5.613	0.0	137267.579	8.8685	ng/ml	100
T AR1016 5	6.068	0.0	2667192.102	48.6820	ng/ml	100
T AR1016 3 #2	6.120	0.0	3750380.285	186.5490	ng/ml	100
T AR1016 4 #2	6.234	0.0	84557.725	6.3506	ng/ml	100
T AR1016 5 #2	6.732	0.0	110981.972	9.8110	ng/ml	100
T AR1260 1	7.402	0.0	15271210.865	133.1698	ng/ml	100
T AR1260 2	7.813	0.0	385149.130	2.0768	ng/ml	100
T AR1260 3	8.393	0.0	1968822.047	9.6664	ng/ml	100
T AR1260 1 #2	8.829	0.0	218318.470	8.4064	ng/ml	100
T AR1260 4	9.106	0.0	9945360.235	87.1005	ng/ml	100
T AR1260 2 #2	9.211	0.0	44657.918	1.5927	ng/ml	100
T AR1260 3 #2	9.709	0.0	364573.820	10.6389	ng/ml	100
T AR1260 5	9.899	0.0	1401426.707	10.2375	ng/ml	100
T AR1260 4 #2	10.376	0.0	3532915.520	159.8189	ng/ml	100
T AR1260 5 #2	11.015	0.0	1359103.567	44.3851	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

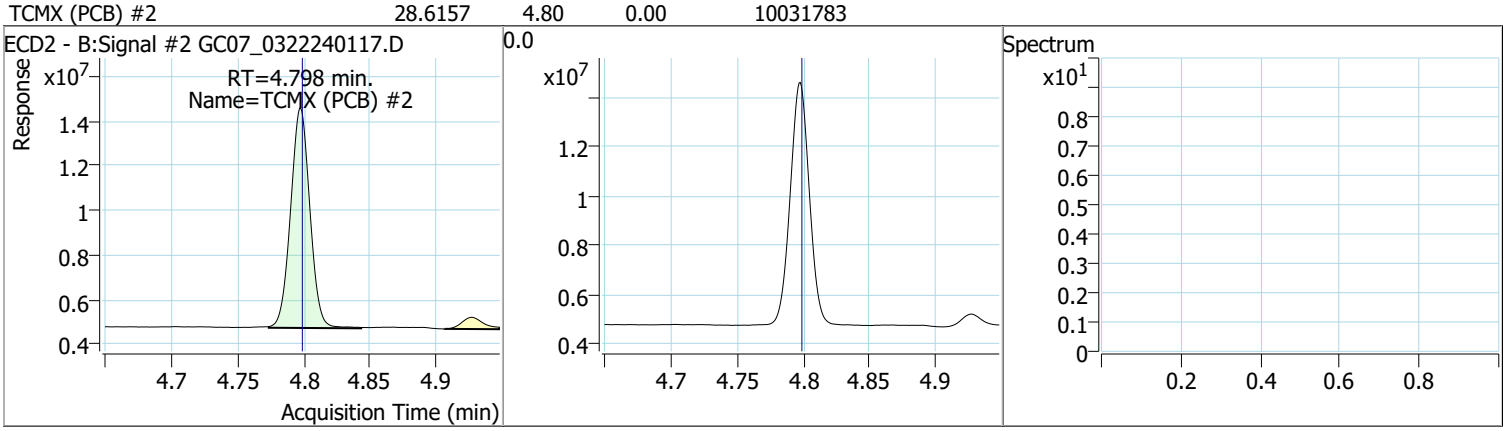
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	26.6341	4.45	-0.01	51289509				



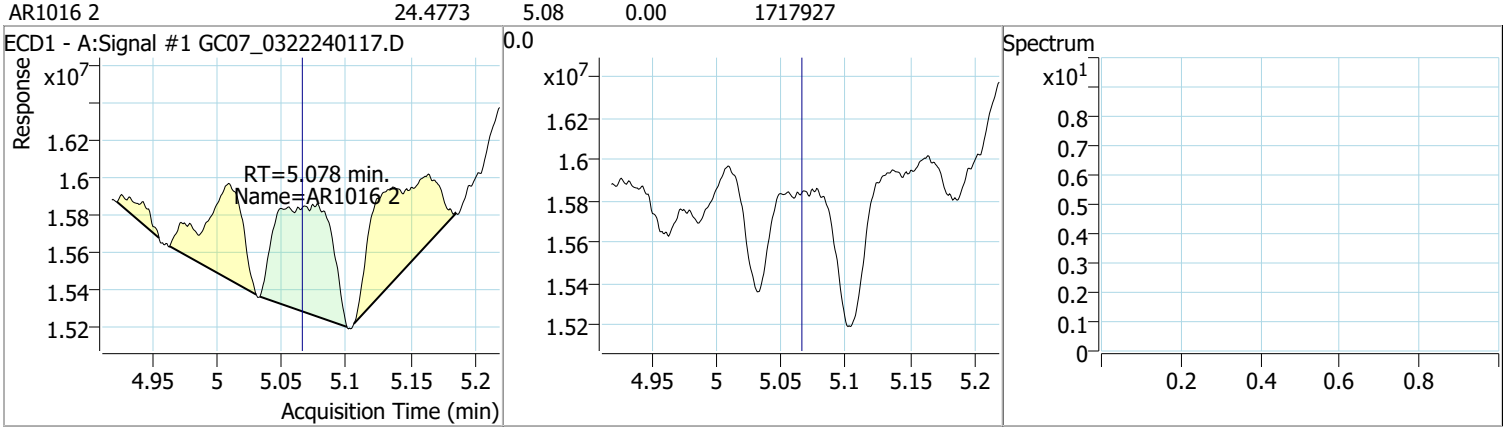
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	74.4722	4.79	0.01	2821660				



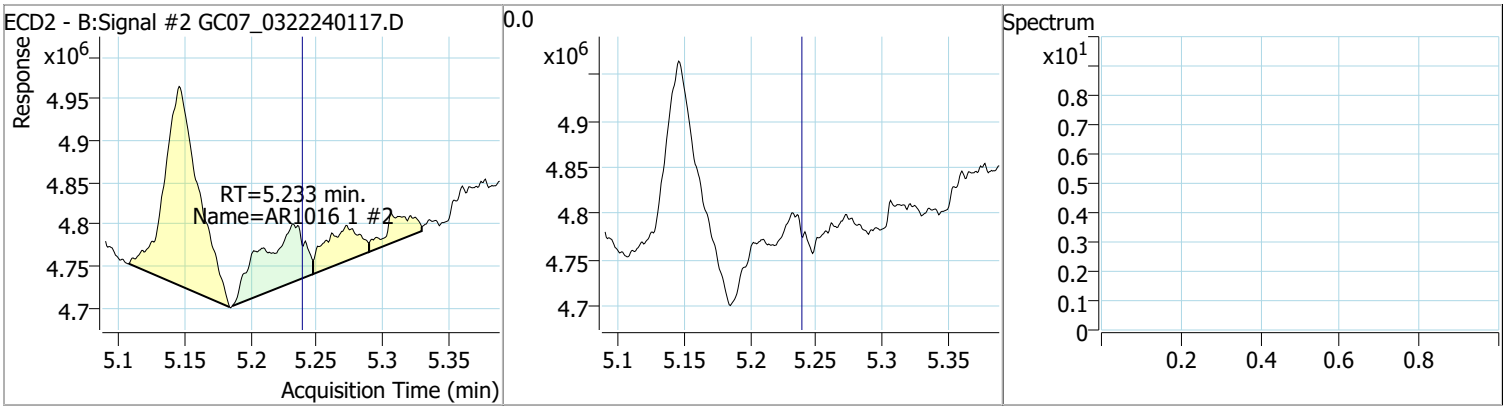
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	28.6157	4.80	0.00	10031783				



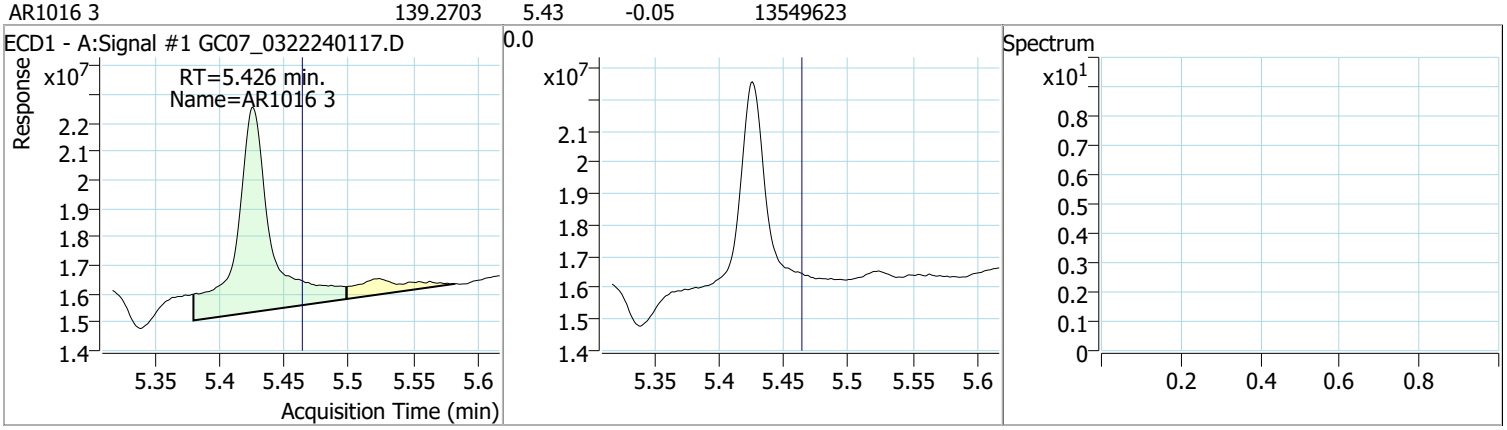
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	24.4773	5.08	0.00	1717927				



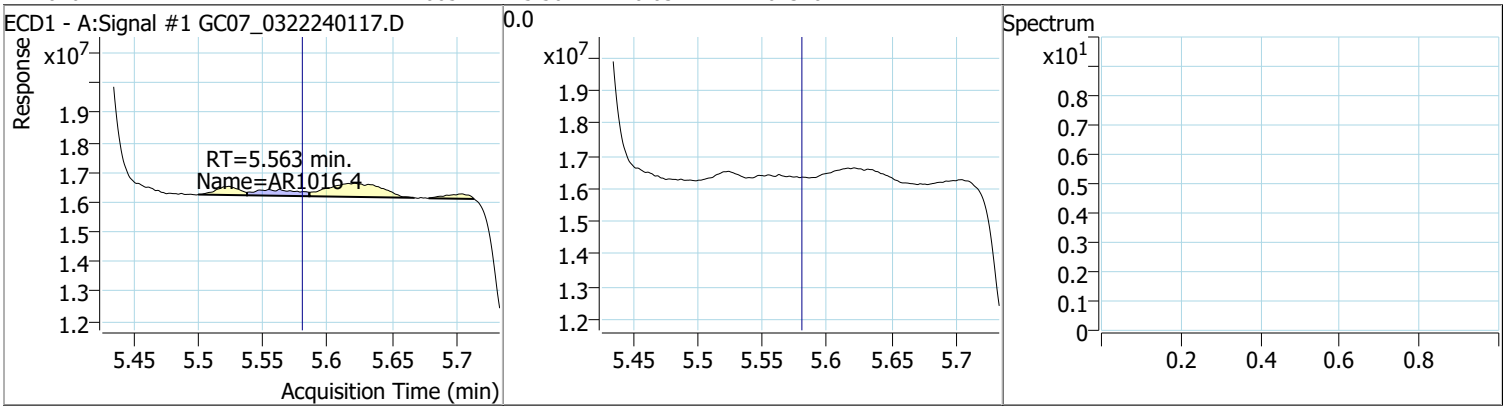
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	21.6010	5.23	-0.01	160863				



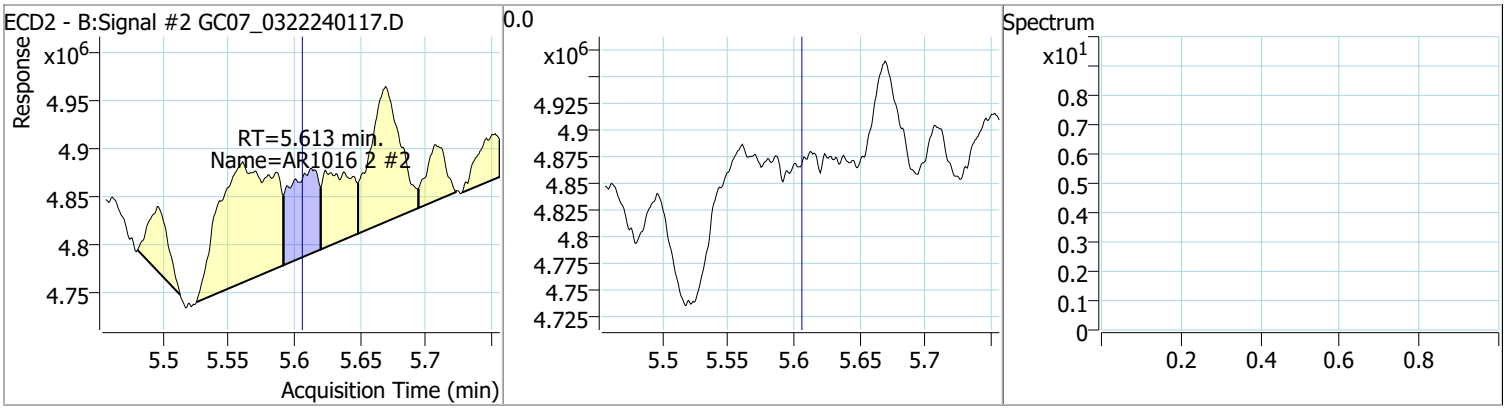
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	139.2703	5.43	-0.05	13549623				



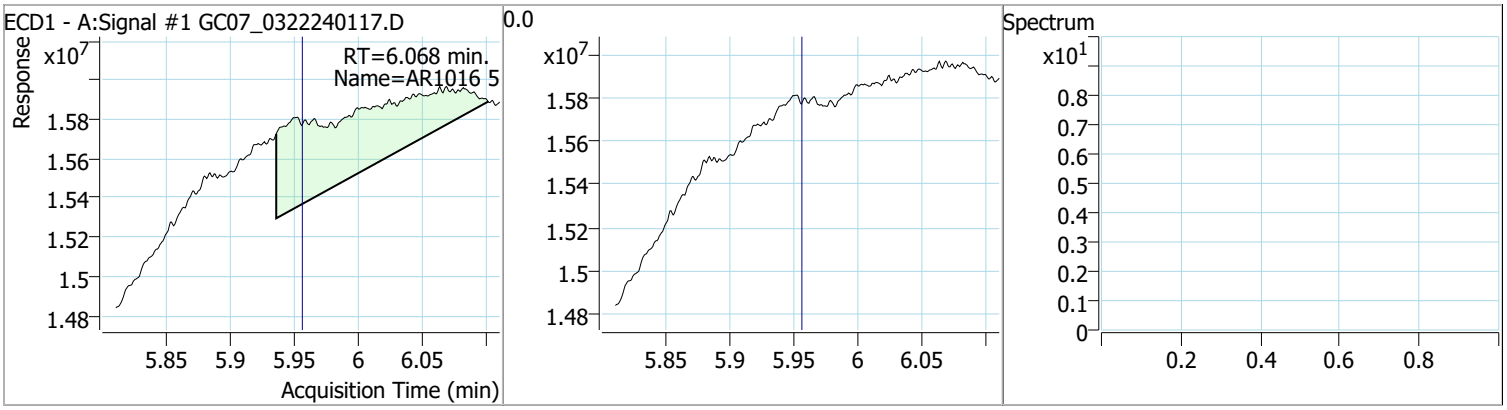
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	7.2005	5.56	-0.03	467320				



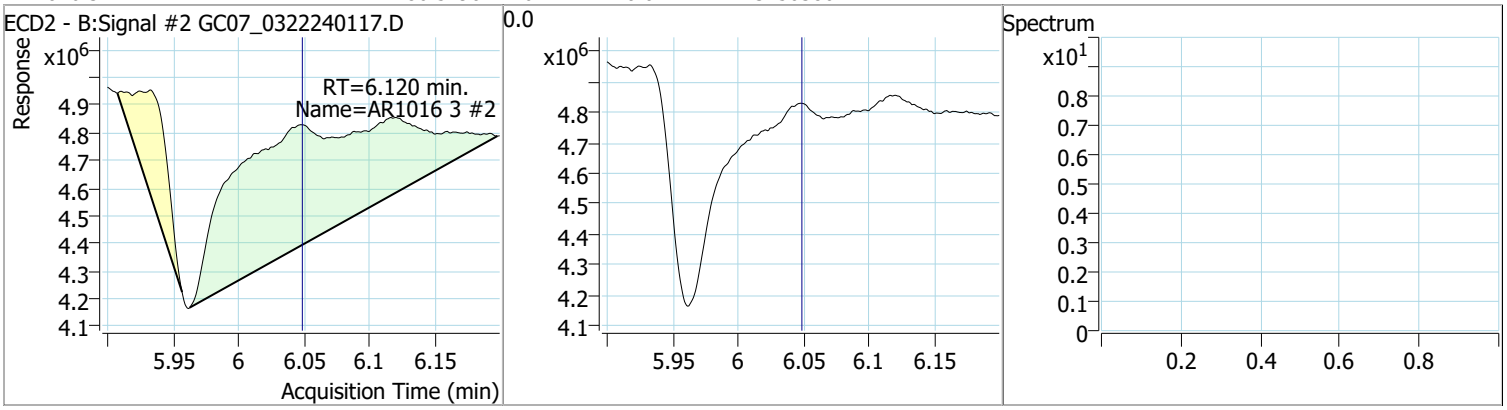
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	8.8685	5.61	0.00	137268				



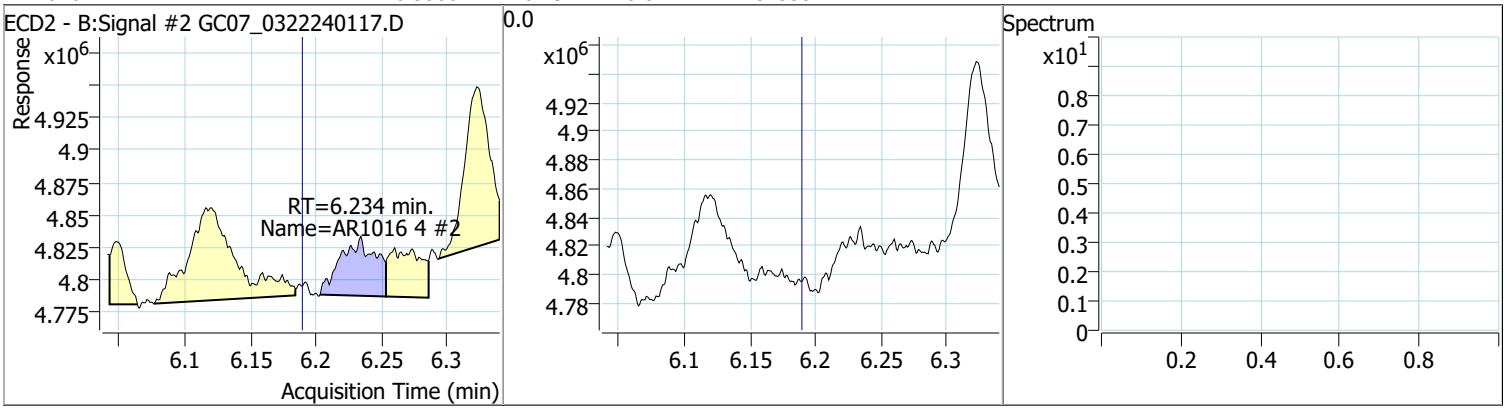
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	48.6820	6.07	0.10	2667192				



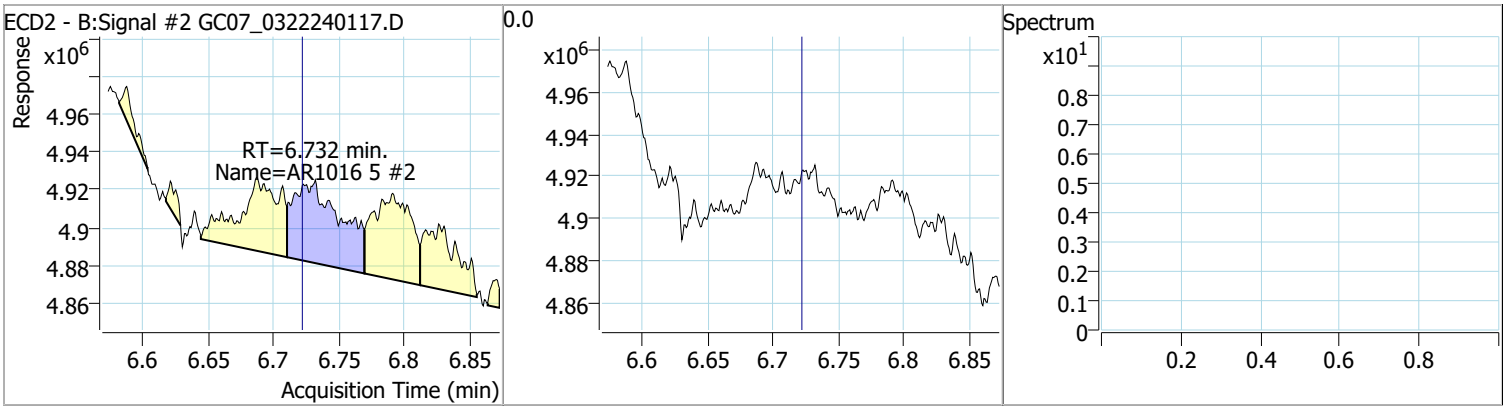
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	186.5490	6.12	0.07	3750380				



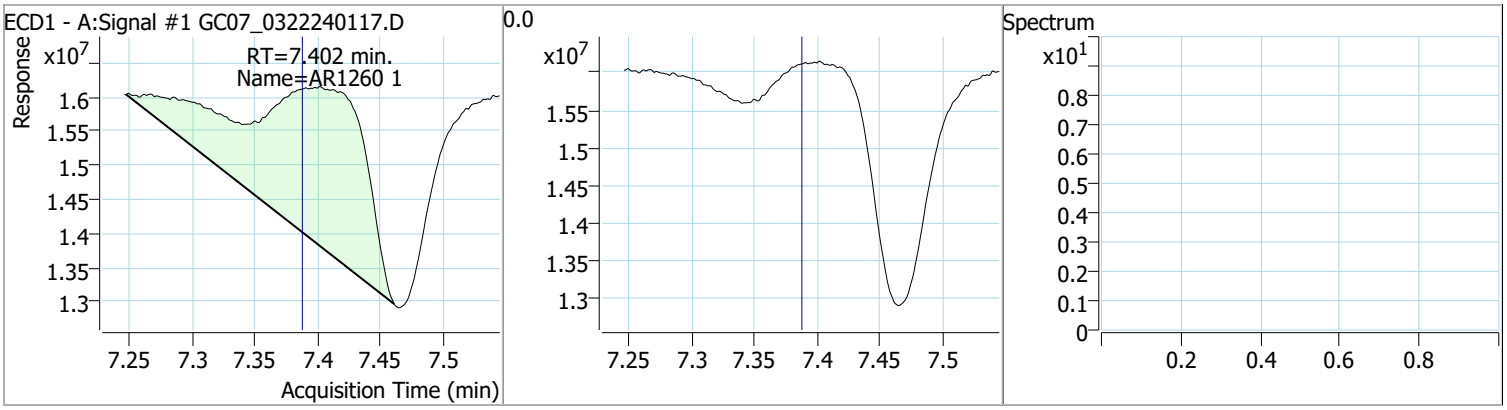
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	6.3506	6.23	0.04	84558				



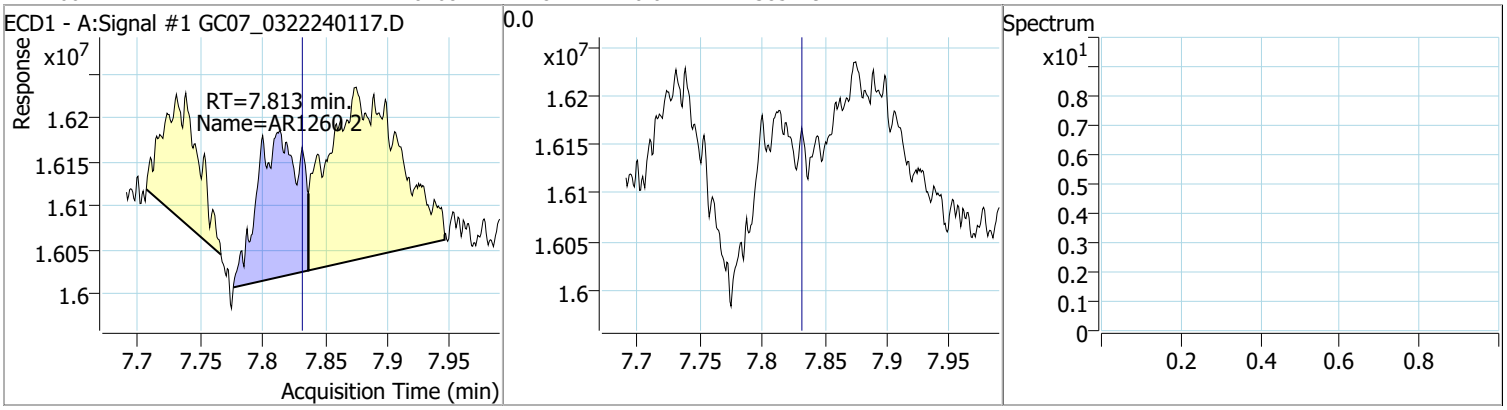
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	9.8110	6.73	0.01	110982				



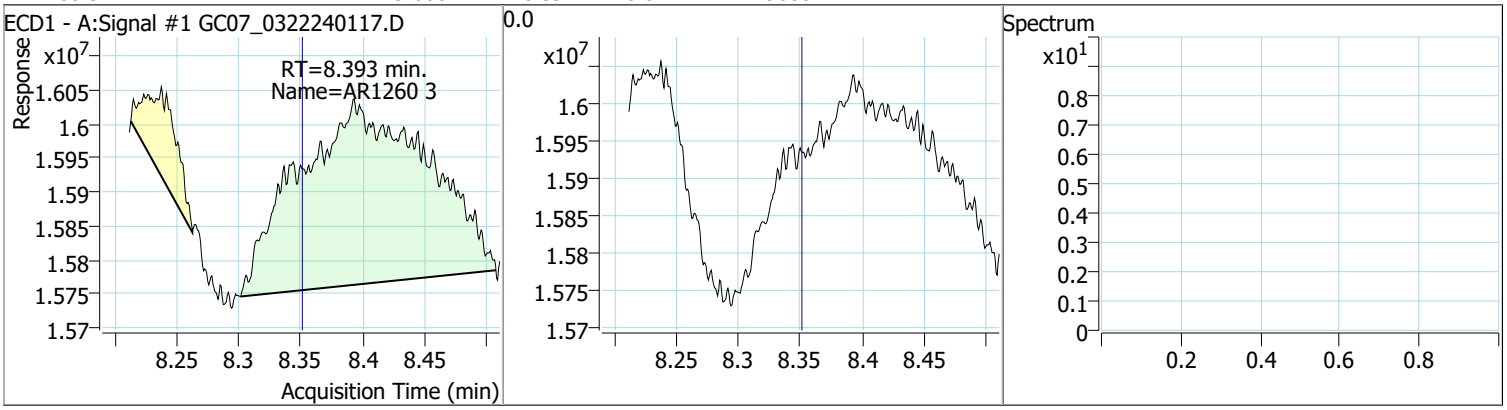
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	133.1698	7.40	0.00	15271211				



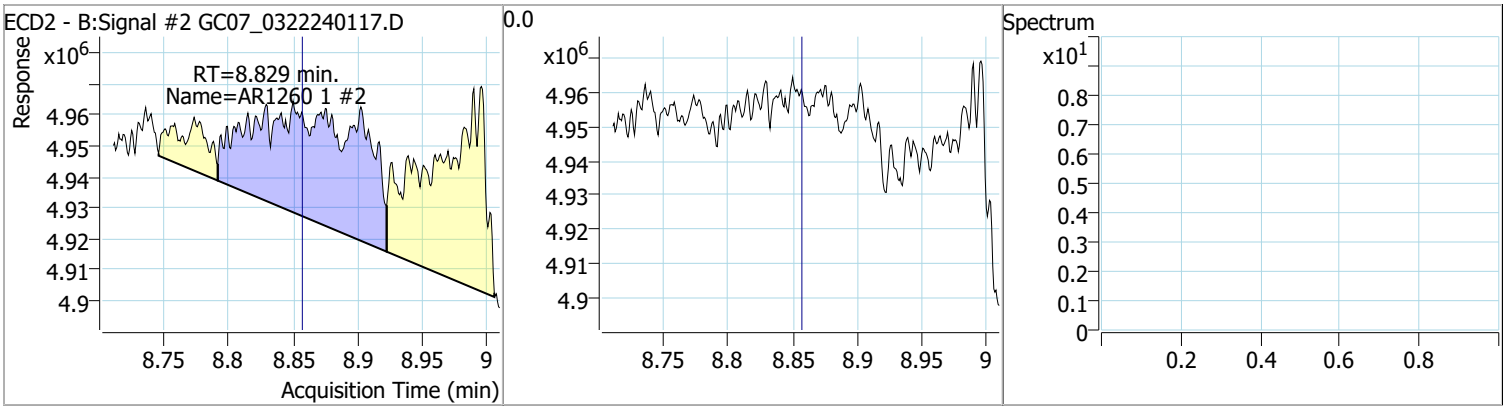
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.0768	7.81	-0.04	385149				



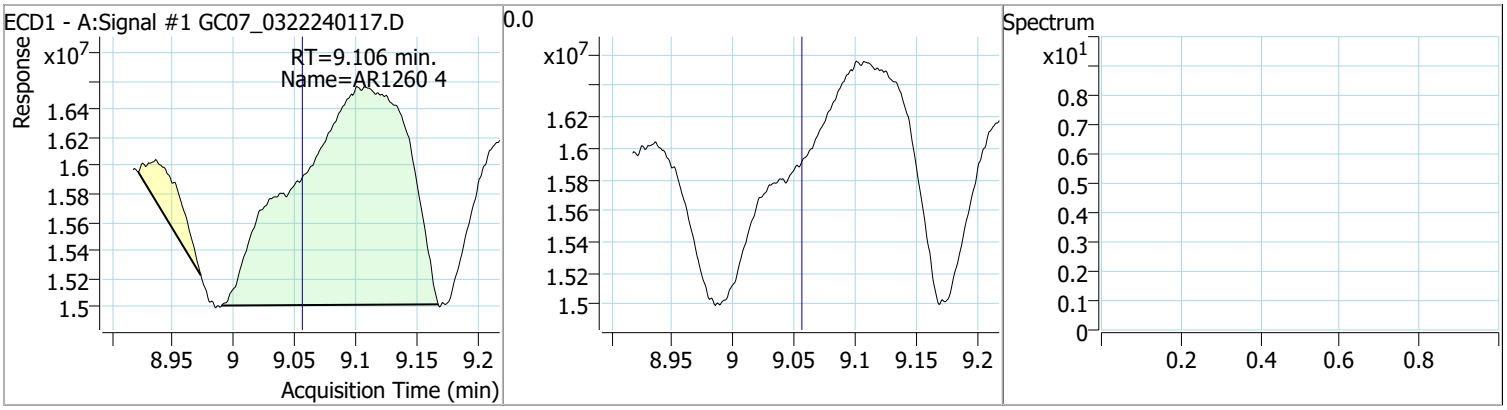
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	9.6664	8.39	0.02	1968822				



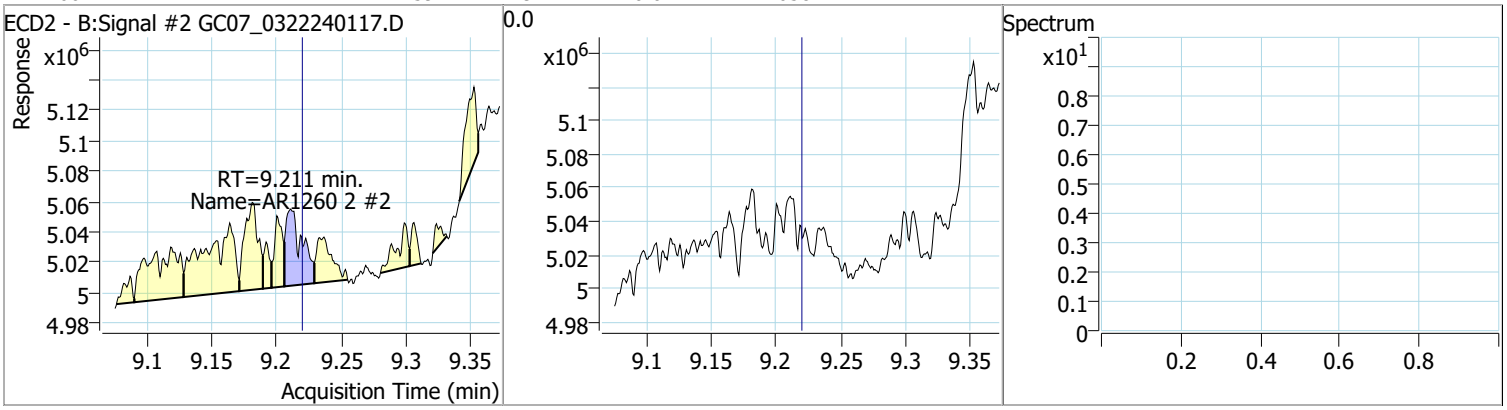
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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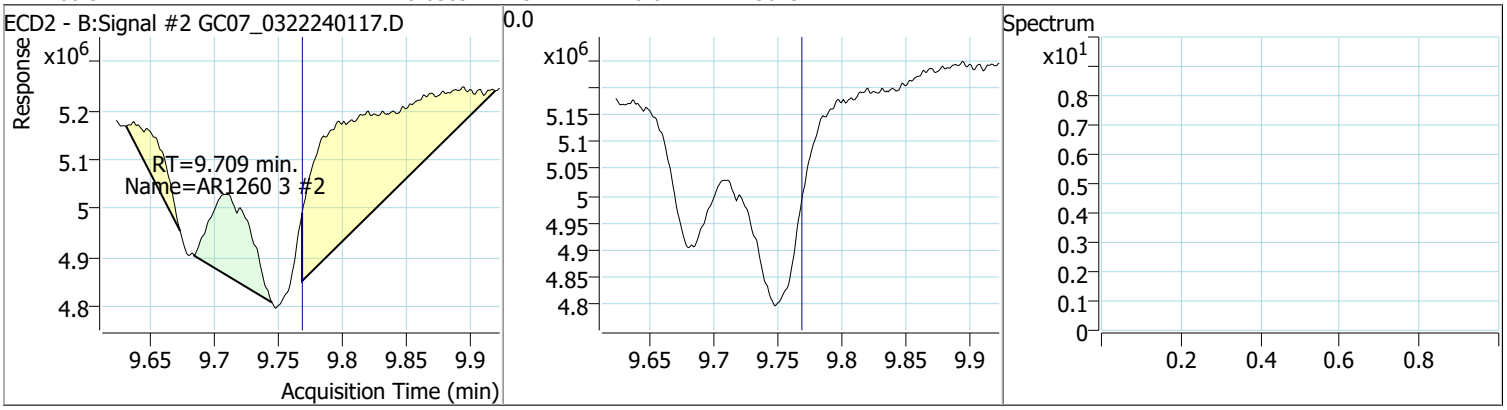
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	87.1005	9.11	0.03	9945360				



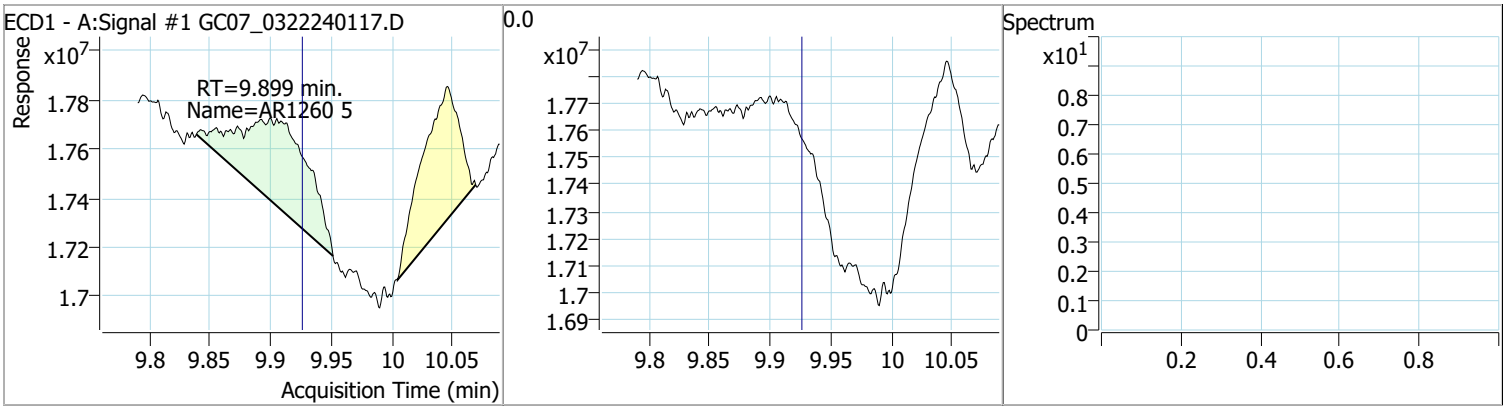
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.5927	9.21	-0.02	44658				



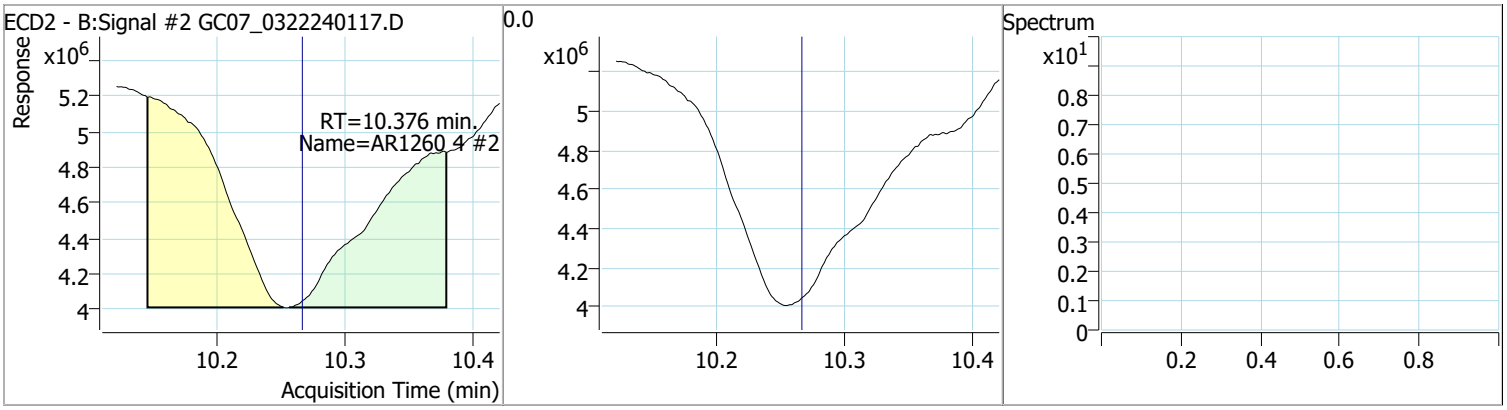
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.6389	9.71	-0.07	364574				



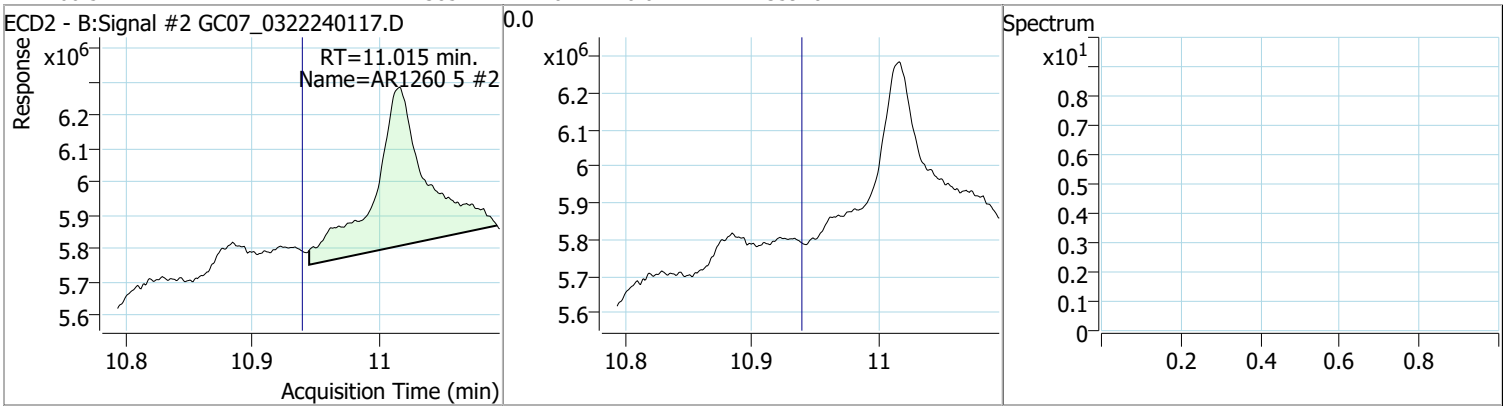
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	10.2375	9.90	-0.05	1401427				



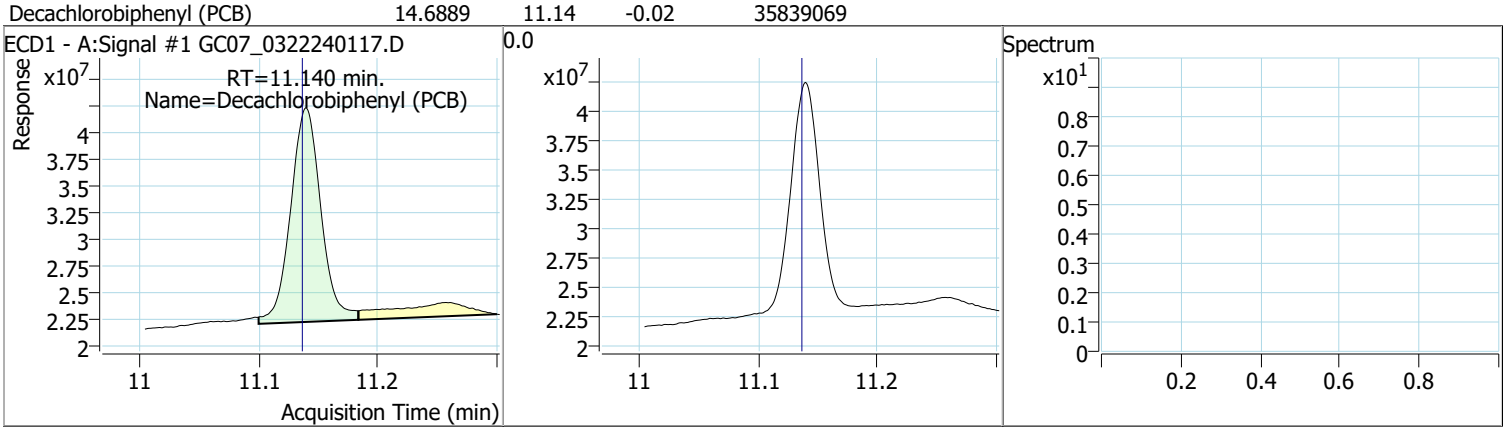
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	159.8189	10.38	0.10	3532916				



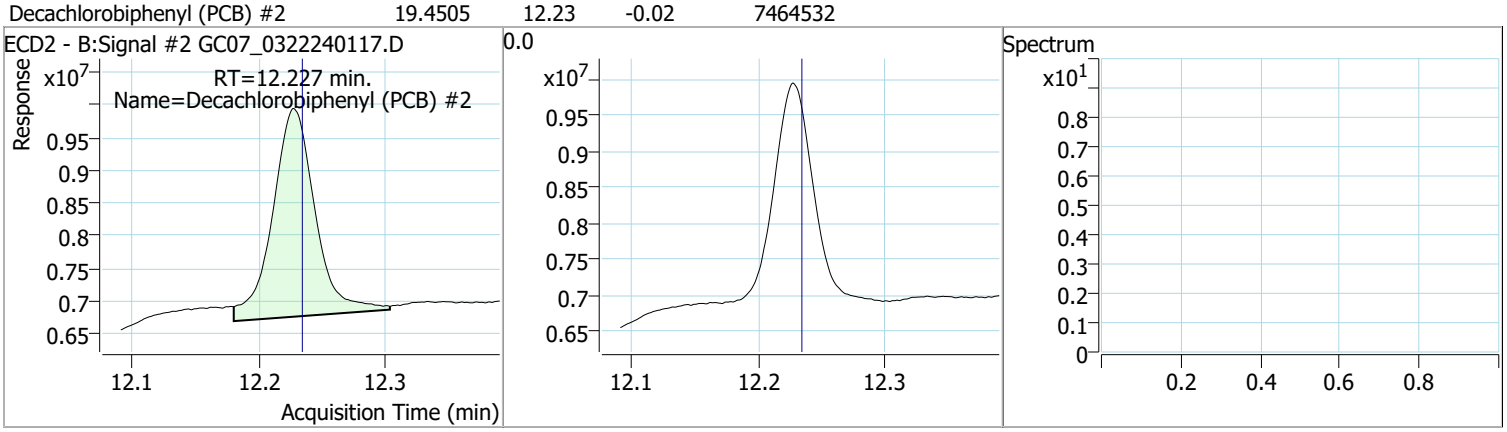
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	44.3851	11.02	0.07	1359104				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	14.6889	11.14	-0.02	35839069				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.4505	12.23	-0.02	7464532				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	504506-010	Client ID:	AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-P-LA
Seqnum:	464118734118	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_0322240118	Batch:	335940	Time:	22-MAR-2024 16:09
Cal:	464104819001	Caldate:	13-MAR-2024		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	38.69	ug/L	ND	0.96	85%	0.50		u
Aroclor-1016 Peak # 1	B	28.82	ug/L	0.29	0.55	63%			
Aroclor-1016 Peak # 2	B	51.32	ug/L	0.51	0.27	63%			
Aroclor-1016 Peak # 3	B	95.51	ug/L	0.96	3.62	117%			
Aroclor-1016 Peak # 4	B	0.9270	ug/L	0.01	0.05	137%			
Aroclor-1016 Peak # 5	B	16.85	ug/L	0.17	0.30	56%			
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	32.27	ug/L	ND	0.65	67%	0.50		u
Aroclor-1260 Peak # 1	B	8.910	ug/L	0.09	1.63	179%			
Aroclor-1260 Peak # 2	B	3.602	ug/L	0.04	0.02	75%			
Aroclor-1260 Peak # 3	B	13.20	ug/L	0.13	0.10	28%			
Aroclor-1260 Peak # 4	B	128.5	ug/L	1.28	1.40	9%			
Aroclor-1260 Peak # 5	B	7.170	ug/L	0.07	0.09	20%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	30.52	pg/uL	0.5000	0.3052	61	19-121	u
Decachlorobiphenyl (PCB)	B	20.01	pg/uL	0.5000	0.2001	40	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	7587262	8.24
1-bromo-2-nitrobenzene (PCB)	A	36910905	40137508	8.74

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.68	0.00

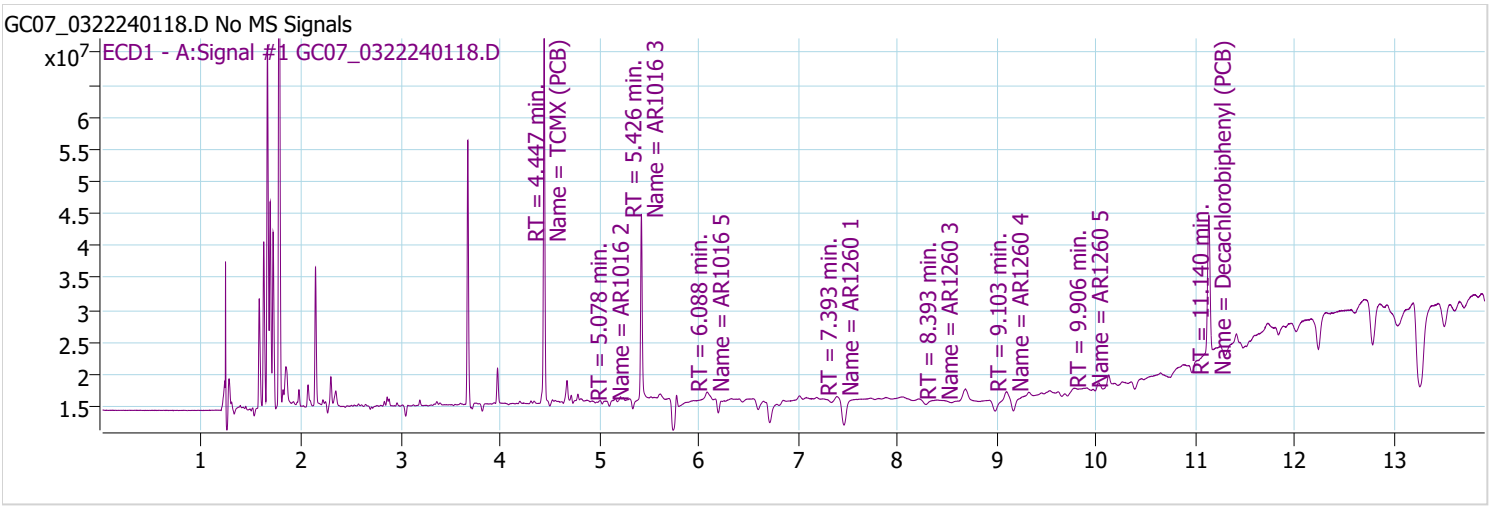
03/24/24 : WIPE/1-10ML

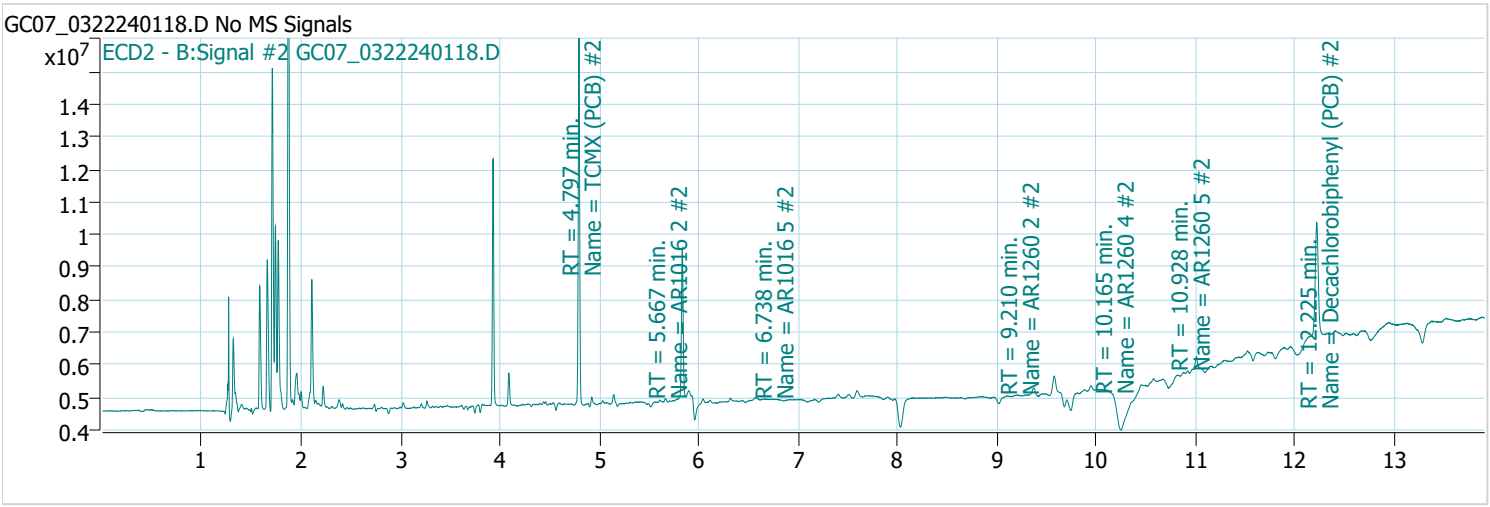
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Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240118.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 4:09:21 PM
Sample Name	504506-010, 335940, 1	Instrument	SVOA-GC07
Vial	9	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



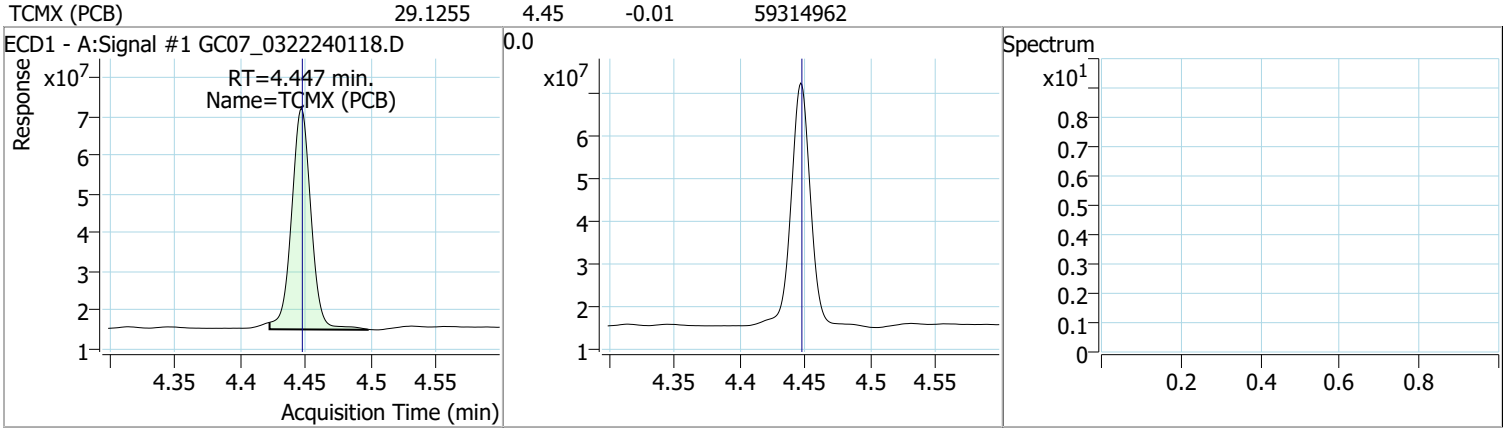


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.678	0.0	40137508.135	20.0000	ng/ml		-0.009
M 1-bromo-2-nitrobenzene (PCB) #2	3.933	0.0	7587262.068	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.447	0.0	59314962.449	29.1255	ng/ml		-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 145.63%			
S TCMX (PCB) #2	4.797	0.0	11644487.989	30.5151	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 152.58%		*	
S Decachlorobiphenyl (PCB)	11.140	0.0	44914168.464	17.4066	ng/ml		-0.022
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 87.03%			
S Decachlorobiphenyl (PCB) #2	12.225	0.0	8360649.475	20.0141	ng/ml		-0.019
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 100.07%			
Target Compounds							QValue

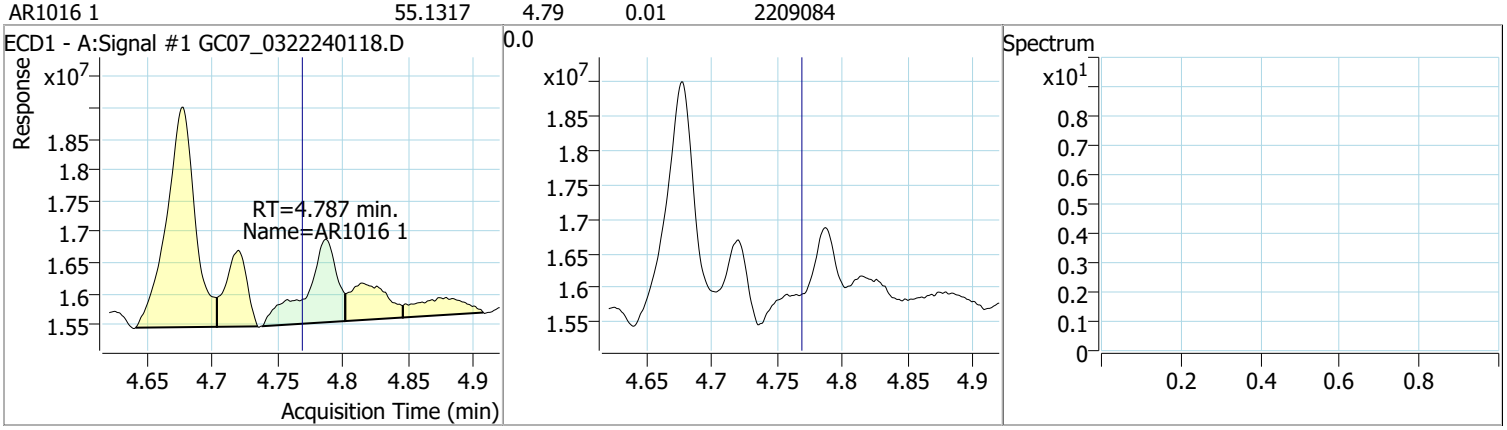
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.787	0.0	2209084.479	55.1317	ng/ml	100
T AR1016 2	5.078	0.0	1989286.434	26.8013	ng/ml	100
T AR1016 1 #2	5.314	0.0	233599.487	28.8177	ng/ml	100
T AR1016 3	5.426	0.0	37296584.902	362.4937	ng/ml	100
T AR1016 4	5.555	0.0	340837.027	4.9658	ng/ml	100
T AR1016 2 #2	5.667	0.0	864696.950	51.3232	ng/ml	100
T AR1016 5	6.088	0.0	1738816.714	30.0102	ng/ml	100
T AR1016 3 #2	6.046	0.0	2090180.595	95.5147	ng/ml	100
T AR1016 4 #2	6.174	0.0	13435.645	0.9270	ng/ml	100
T AR1016 5 #2	6.738	0.0	207522.989	16.8537	ng/ml	100
T AR1260 1	7.393	0.0	19771084.492	163.0282	ng/ml	100
T AR1260 2	7.814	0.0	320207.019	1.6327	ng/ml	100
T AR1260 3	8.393	0.0	2140371.740	9.9368	ng/ml	100
T AR1260 1 #2	8.845	0.0	251880.138	8.9101	ng/ml	100
T AR1260 4	9.103	0.0	16944571.663	140.3236	ng/ml	100
T AR1260 2 #2	9.210	0.0	109930.828	3.6018	ng/ml	100
T AR1260 3 #2	9.708	0.0	492481.478	13.2029	ng/ml	100
T AR1260 5	9.906	0.0	1265880.883	8.7441	ng/ml	100
T AR1260 4 #2	10.165	0.0	3090971.500	128.4572	ng/ml	100
T AR1260 5 #2	10.928	0.0	238996.947	7.1704	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

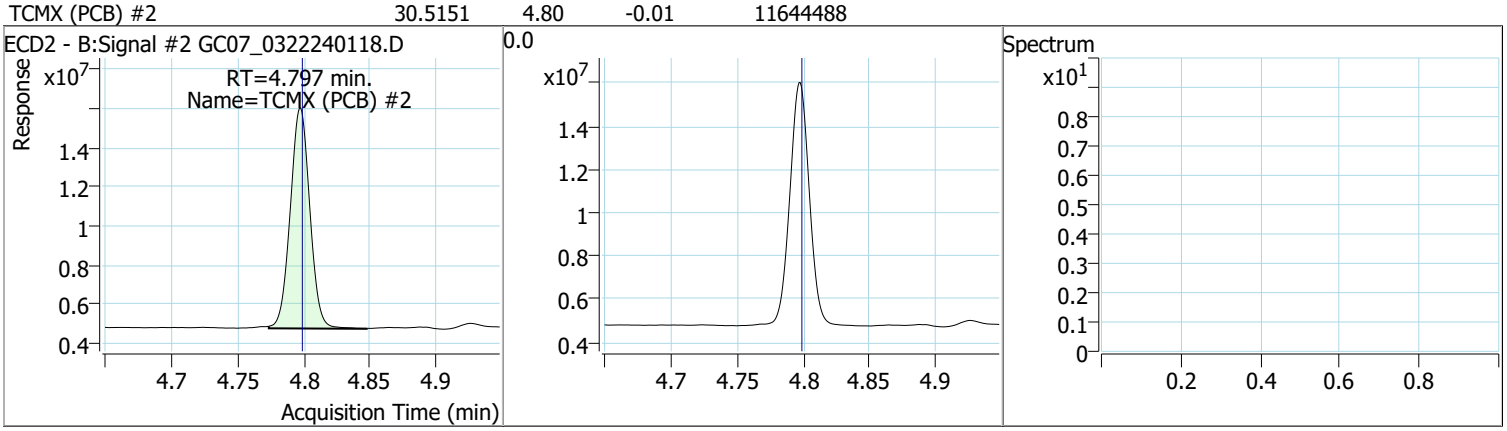
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	29.1255	4.45	-0.01	59314962				



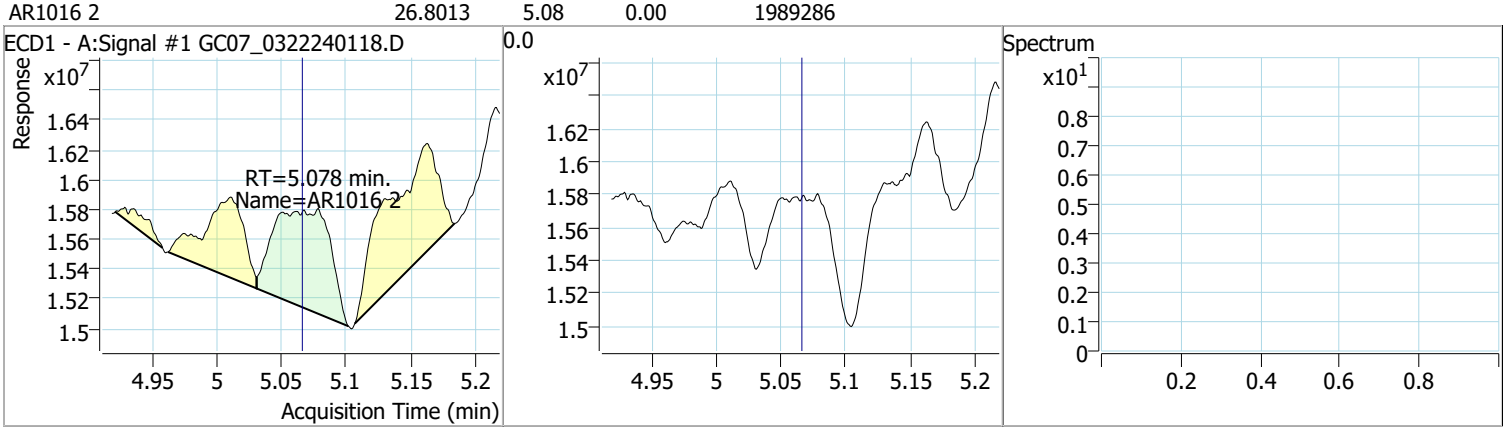
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	55.1317	4.79	0.01	2209084				



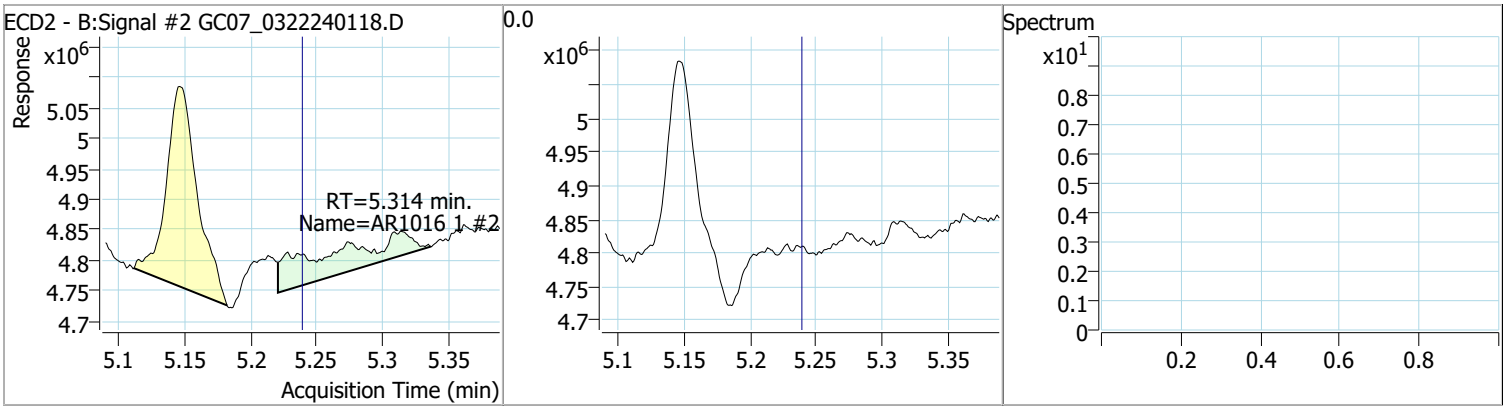
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.5151	4.80	-0.01	11644488				



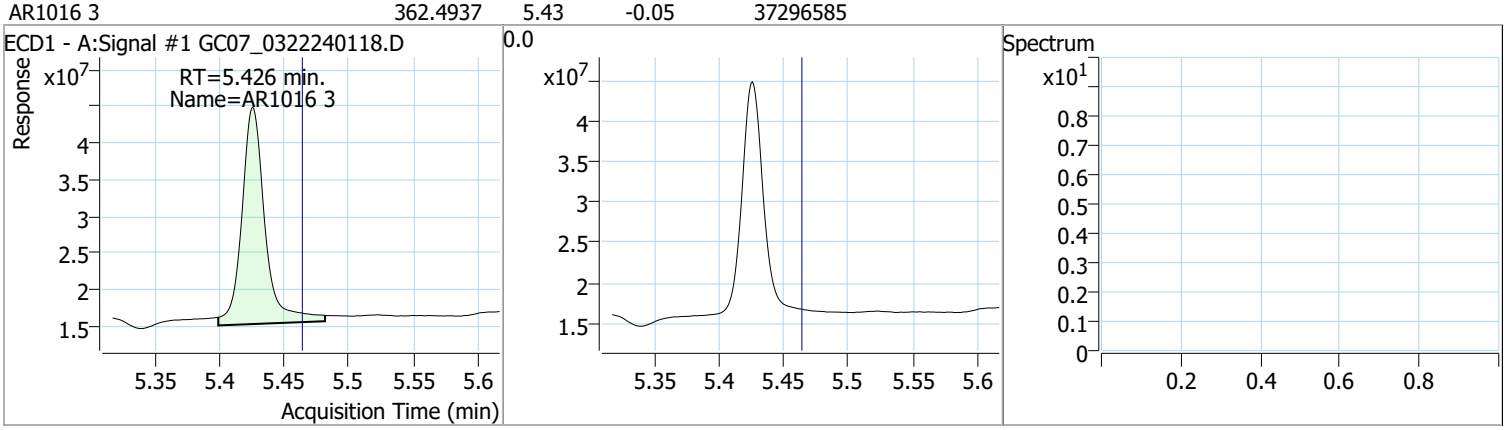
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	26.8013	5.08	0.00	1989286				



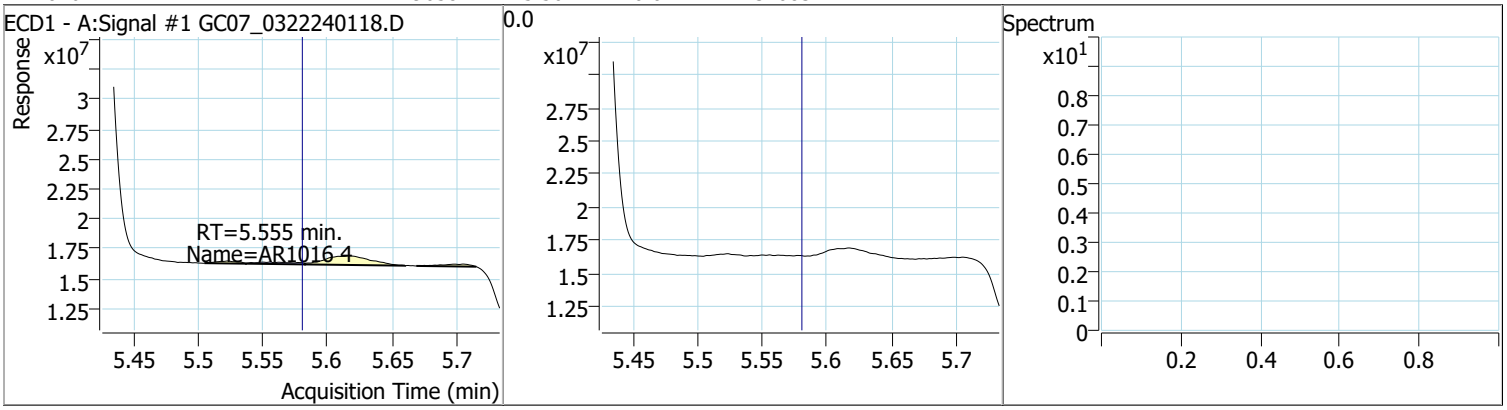
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	28.8177	5.31	0.07	233599				



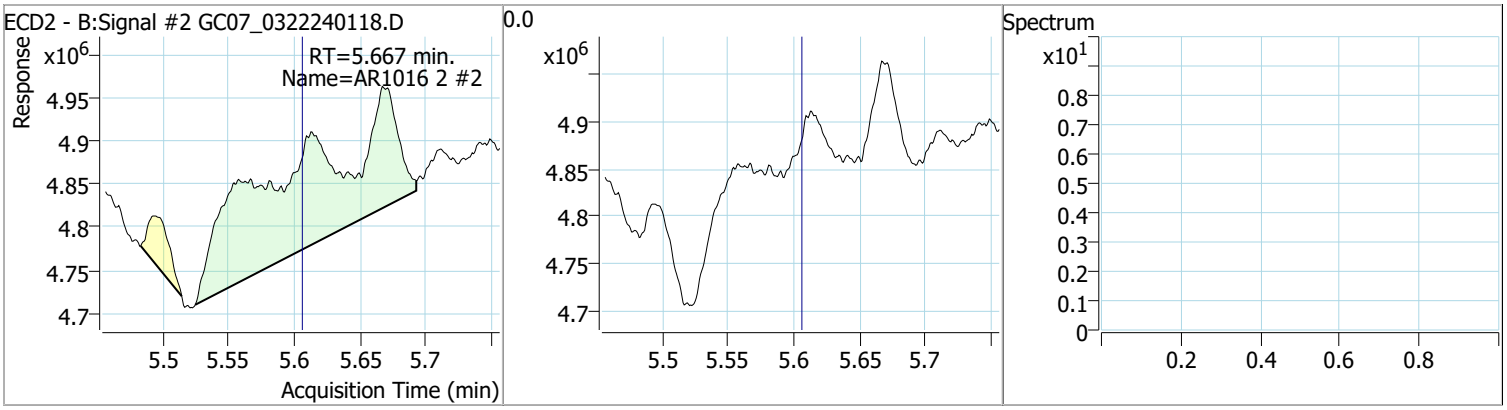
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	362.4937	5.43	-0.05	37296585				



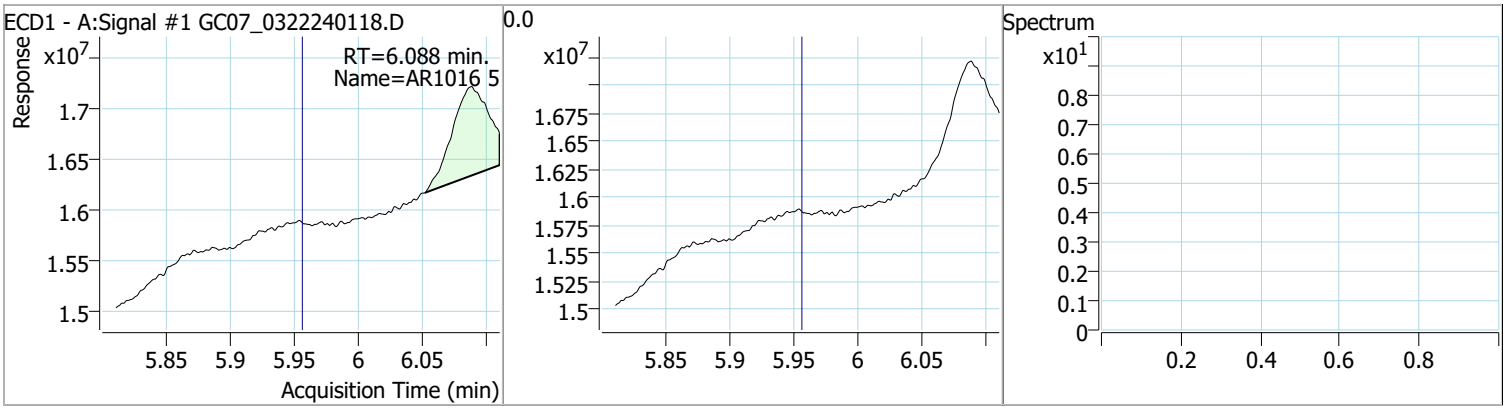
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	4.9658	5.56	-0.04	340837				



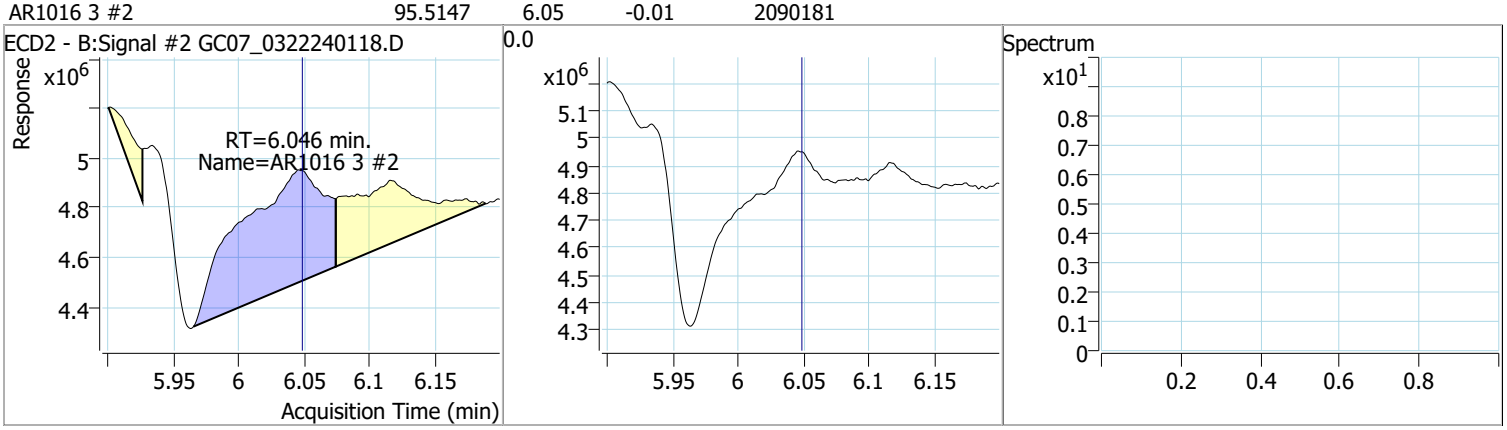
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	51.3232	5.67	0.06	864697				



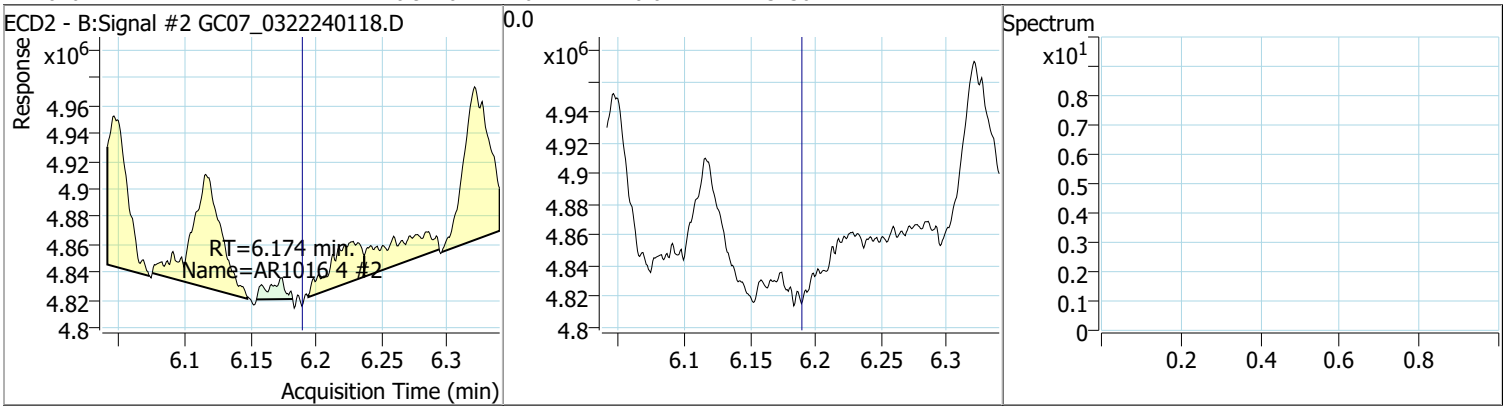
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	30.0102	6.09	0.12	1738817				



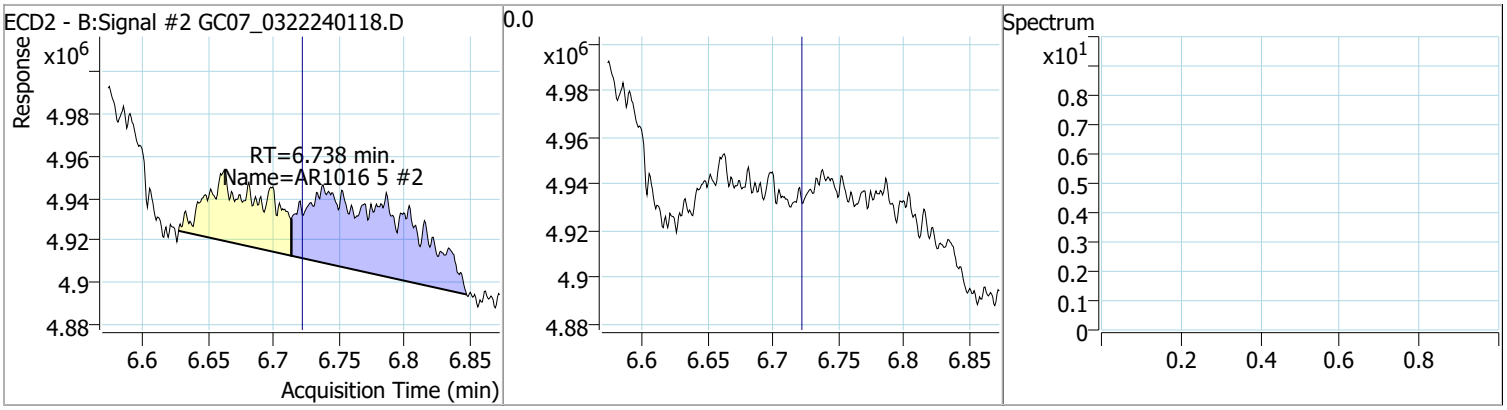
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	95.5147	6.05	-0.01	2090181				



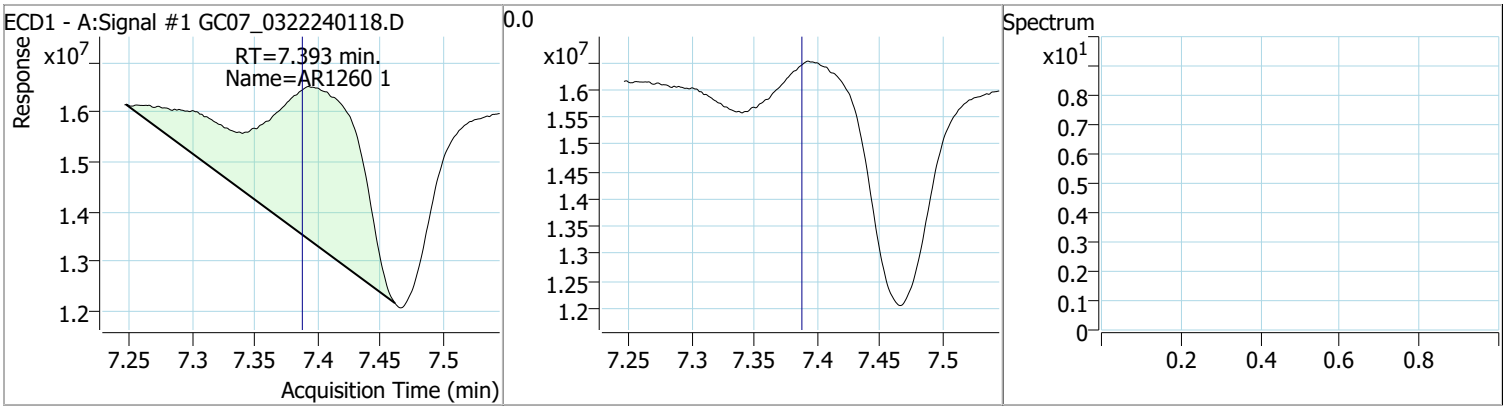
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.9270	6.17	-0.02	13436				



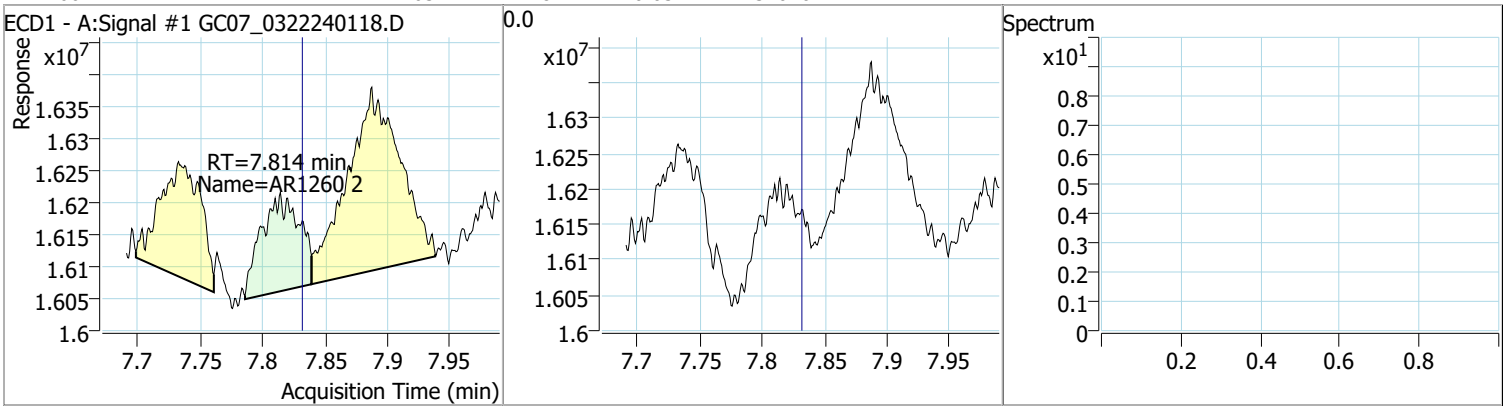
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	16.8537	6.74	0.01	207523				



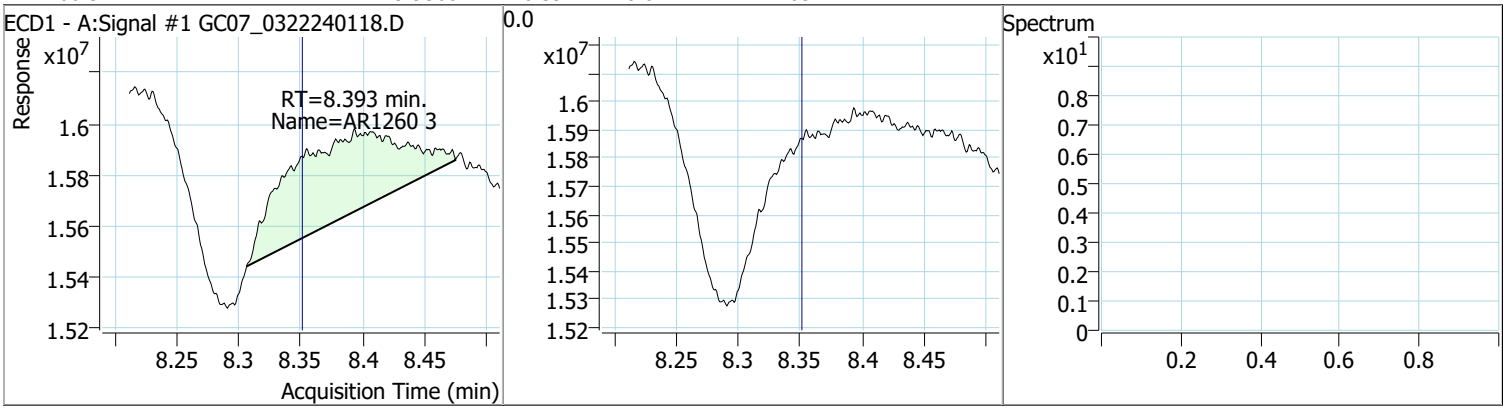
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	163.0282	7.39	-0.01	19771084				



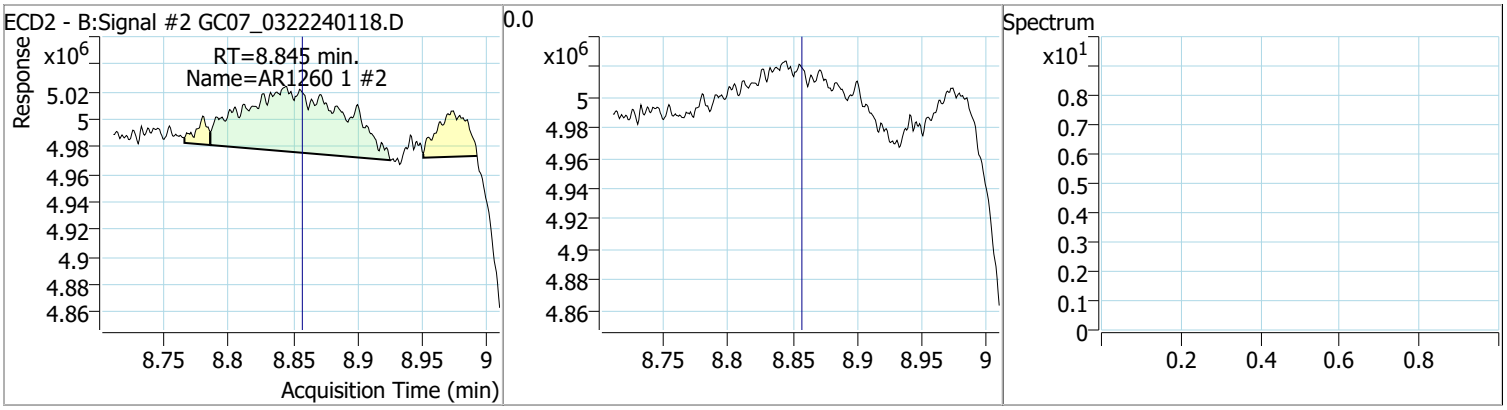
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.6327	7.81	-0.03	320207				



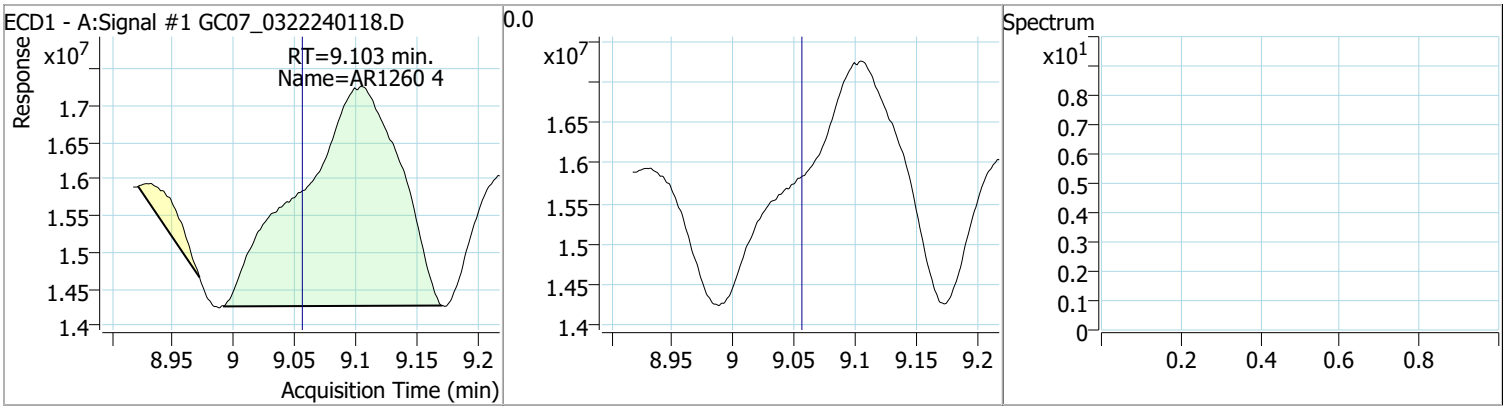
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	9.9368	8.39	0.02	2140372				



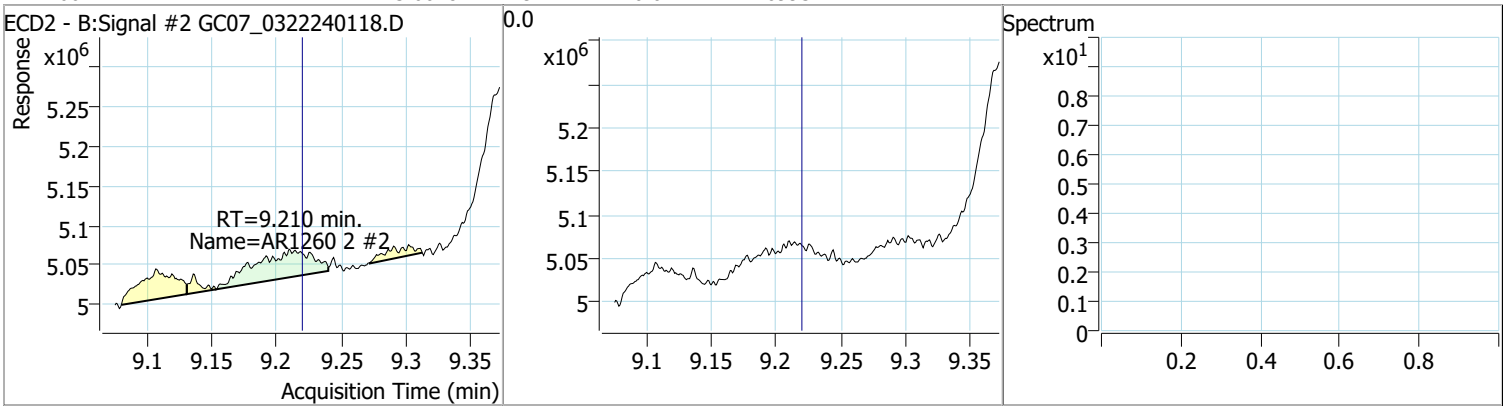
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	8.9101	8.85	-0.02	251880				



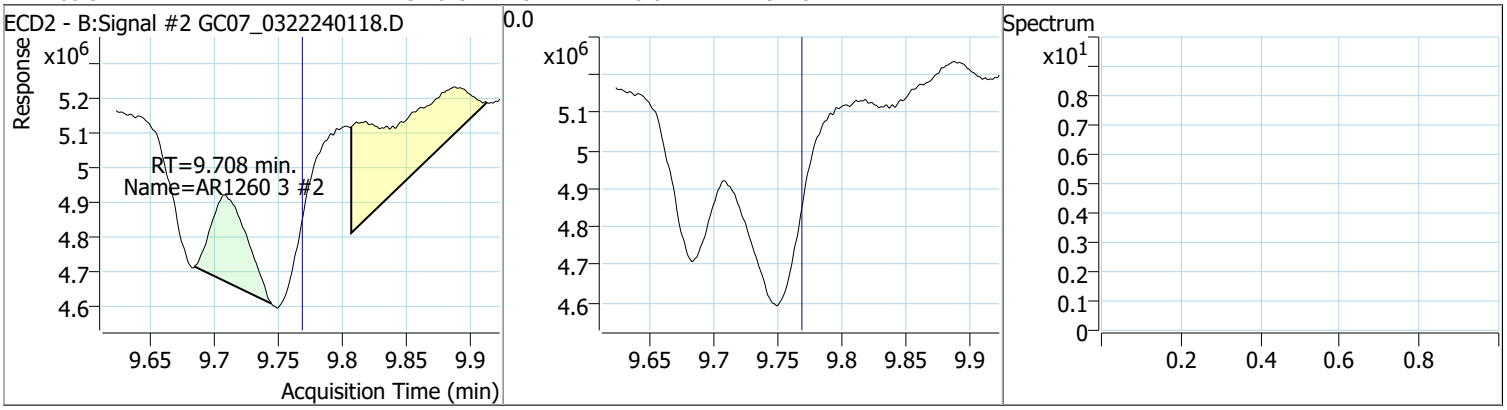
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	140.3236	9.10	0.03	16944572				



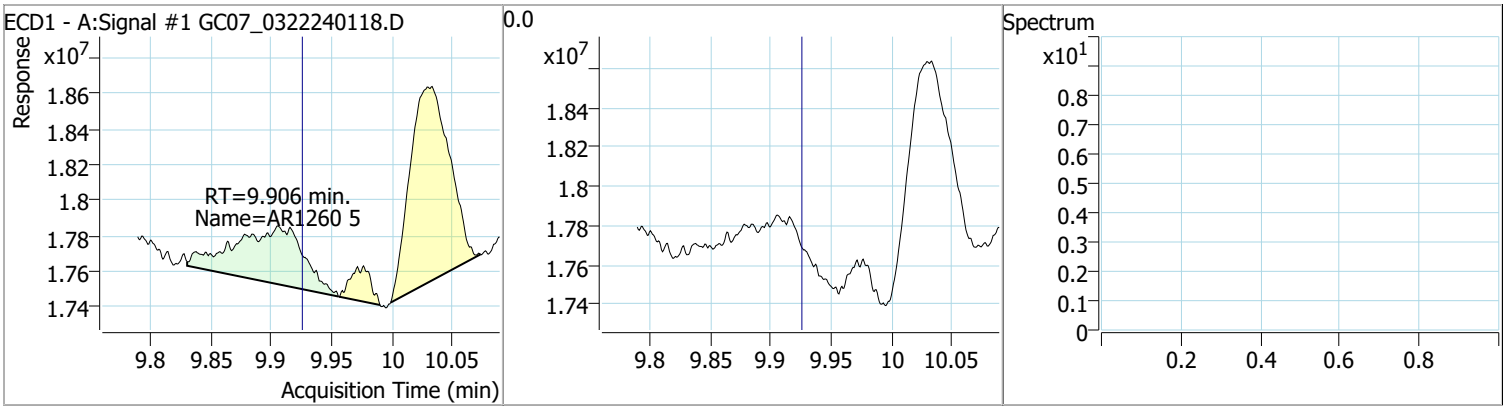
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.6018	9.21	-0.02	109931				



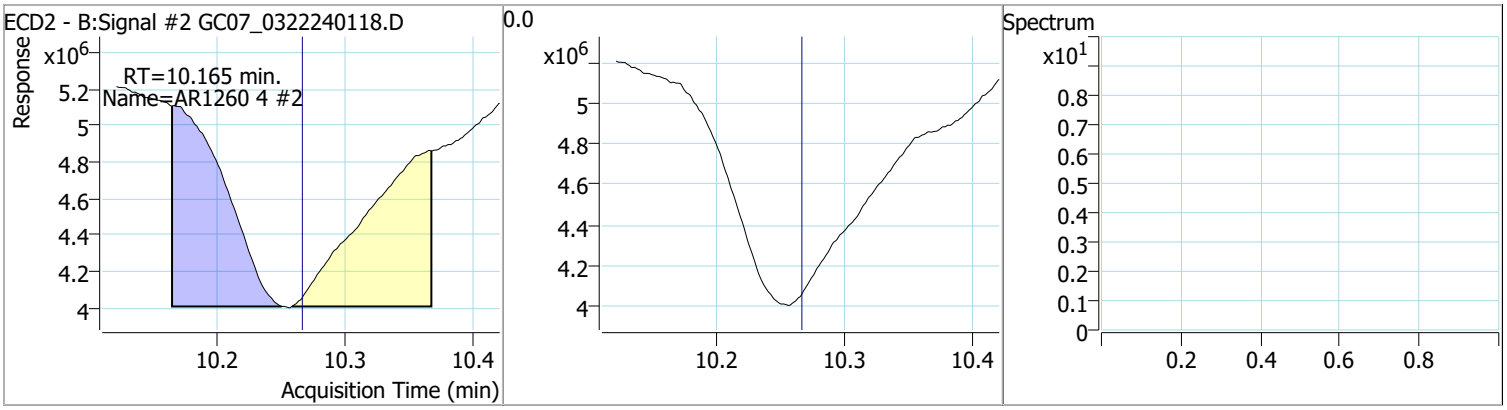
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	13.2029	9.71	-0.07	492481				



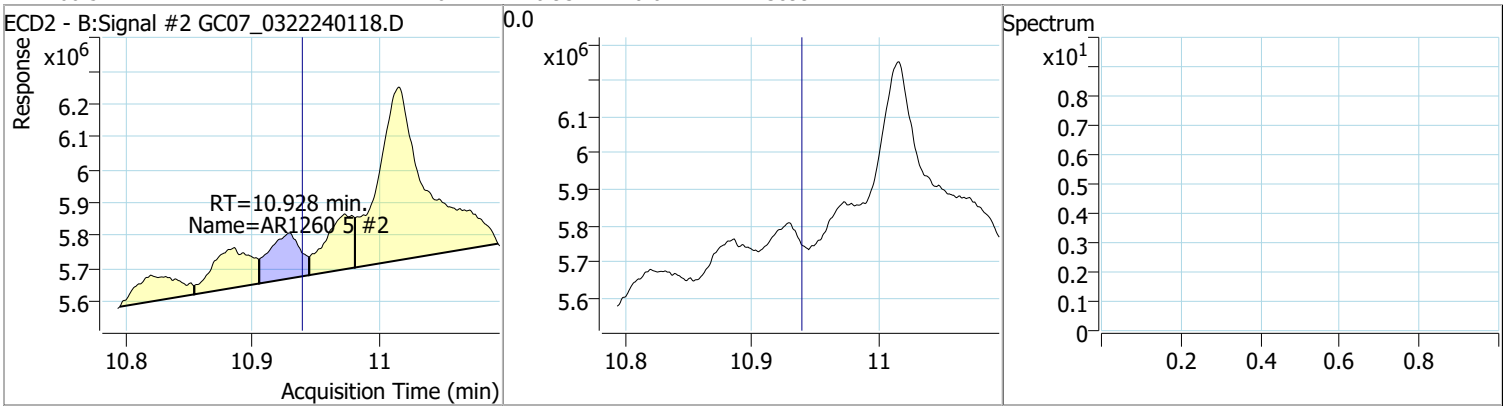
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	8.7441	9.91	-0.04	1265881				



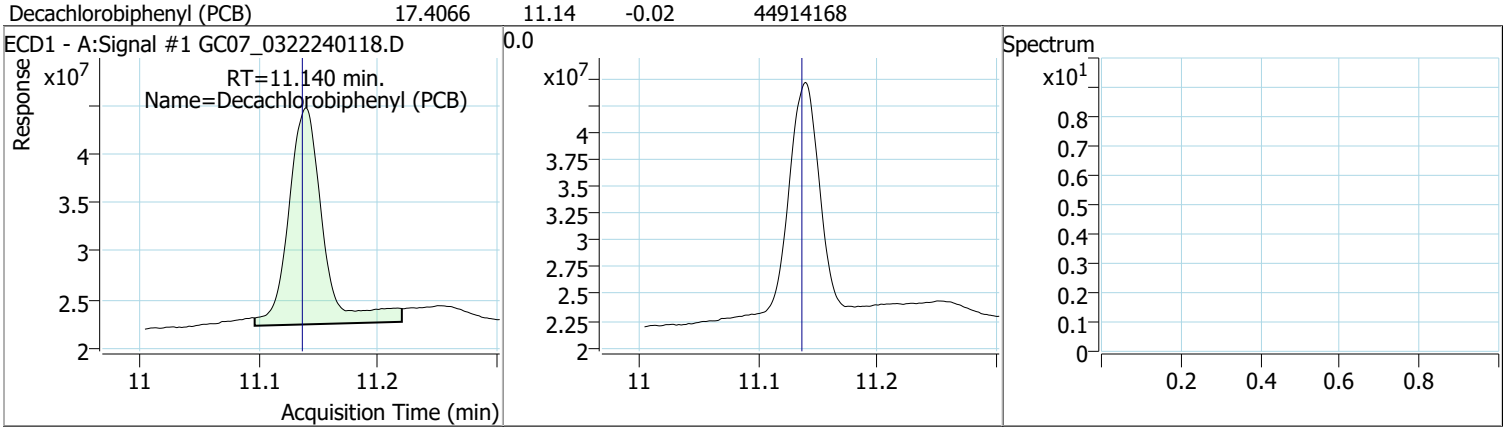
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	128.4572	10.17	-0.11	3090971				



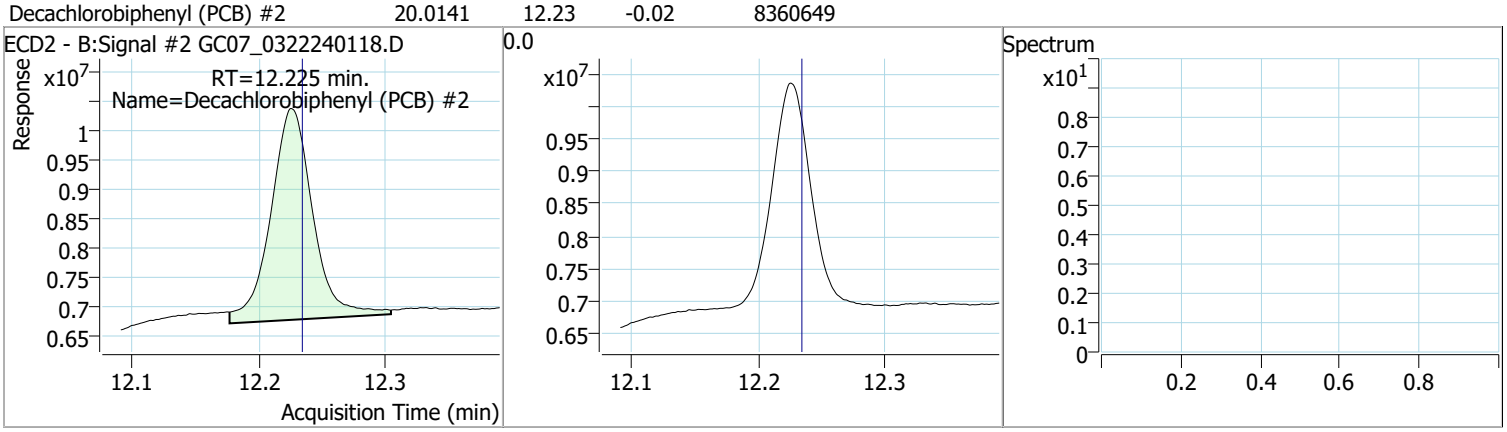
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.1704	10.93	-0.02	238997				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	17.4066	11.14	-0.02	44914168				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.0141	12.23	-0.02	8360649				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	504506-012	Client ID:	AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-P-WF
Seqnum:	464118734119	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_0322240119	Batch:	335940	Time:	22-MAR-2024 16:30
Cal:	464104819001	Caldate:	13-MAR-2024		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	71.31	ug/L	~~0.71~~ FP	0.77	8%	0.50		x u
Aroclor-1016 Peak # 1	B	91.89	ug/L	0.92	1.55	51%			
Aroclor-1016 Peak # 2	B	78.64	ug/L	0.79	0.19	122%			
Aroclor-1016 Peak # 3	B	181.9	ug/L	1.82	1.79	2%			
Aroclor-1016 Peak # 4	B	2.179	ug/L	0.02	0.04	49%			
Aroclor-1016 Peak # 5	B	1.943	ug/L	0.02	0.28	174%			
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	74.45	ug/L	~~0.74~~ FP	0.34	75%	0.50		x u
Aroclor-1260 Peak # 1	B	14.52	ug/L	0.15	0.86	142%			
Aroclor-1260 Peak # 2	B	2.754	ug/L	0.03	0.01	87%			
Aroclor-1260 Peak # 3	B	12.76	ug/L	0.13	0.08	44%			
Aroclor-1260 Peak # 4	B	288.4	ug/L	2.88	0.61	130%			
Aroclor-1260 Peak # 5	B	53.80	ug/L	0.54	0.14	117%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	33.97	pg/uL	0.5000	0.3397	68	19-121	u
Decachlorobiphenyl (PCB)	B	21.74	pg/uL	0.5000	0.2174	43	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	6836850	-2.47
1-bromo-2-nitrobenzene (PCB)	A	36910905	61233819	65.90

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.68	0.00

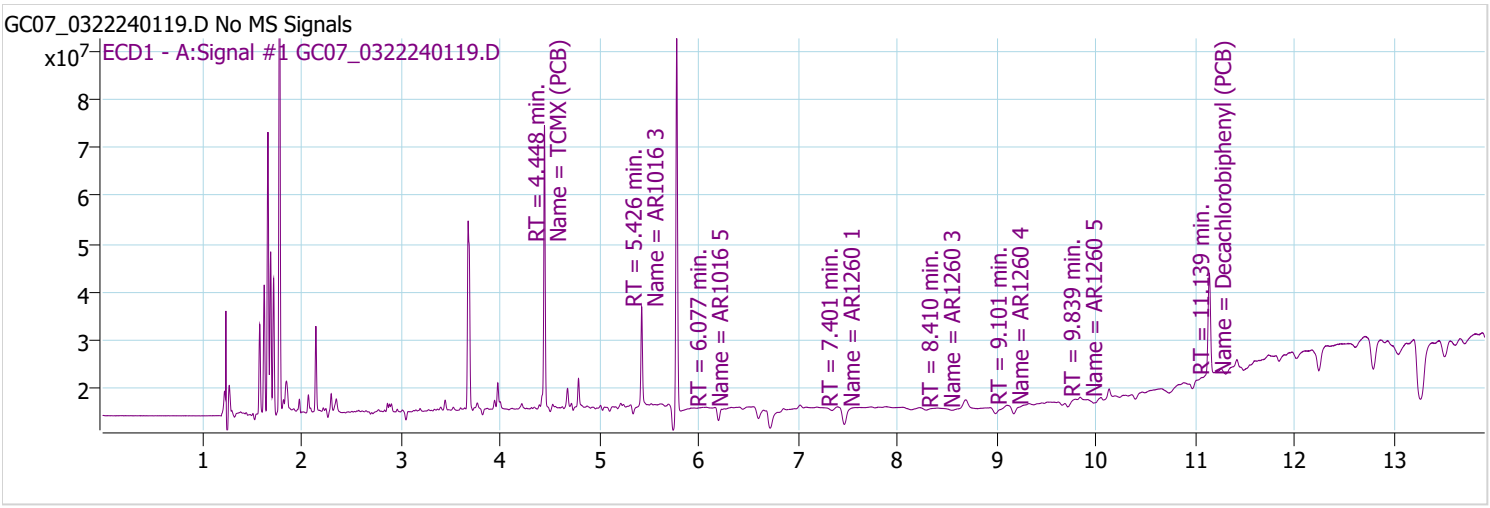
03/24/24 : WIPE/1-10ML

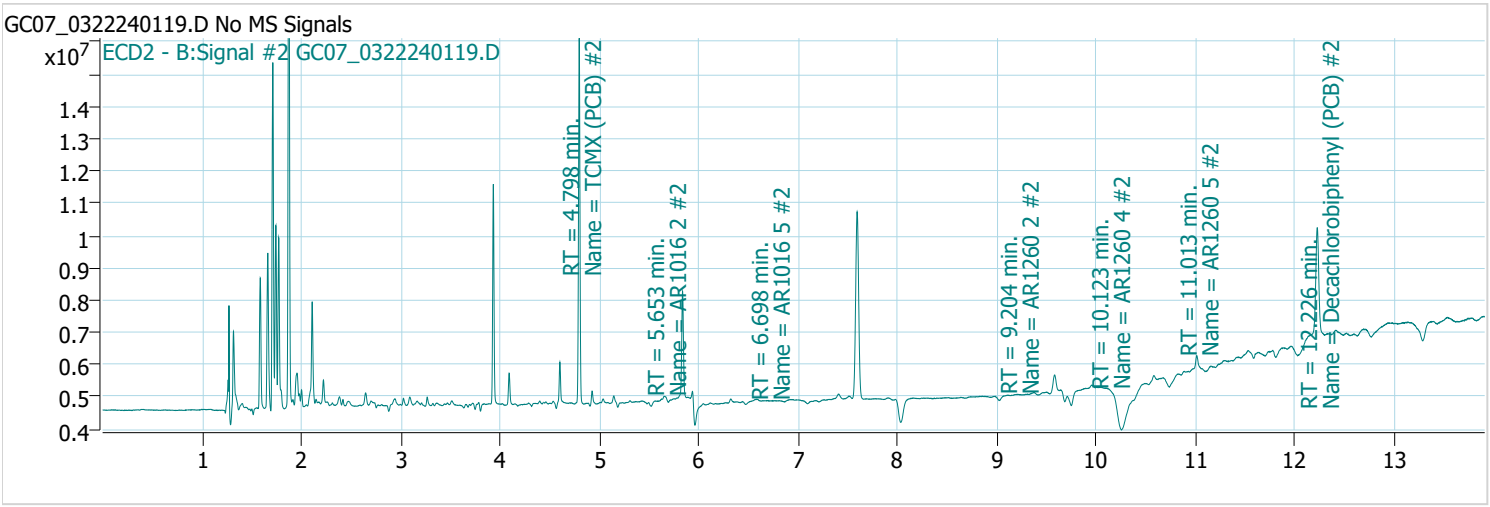
u=use x=false positive

Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240119.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 4:30:20 PM
Sample Name	504506-012, 335940, 1	Instrument	SVOA-GC07
Vial	10	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



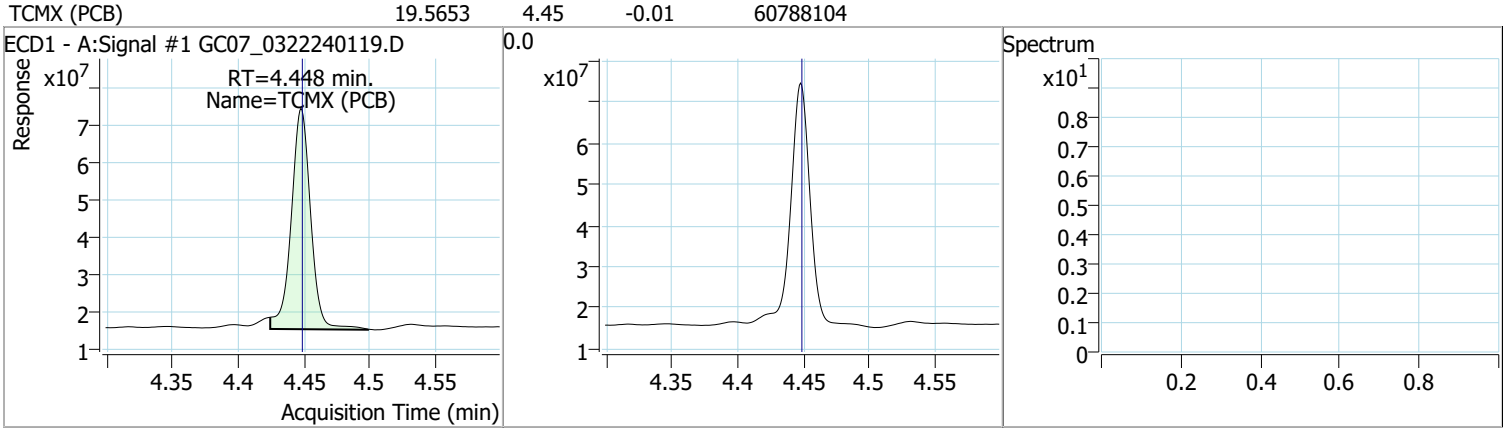


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.679	0.0	61233819.052	20.0000	ng/ml		-0.008
M 1-bromo-2-nitrobenzene (PCB) #2	3.933	0.0	6836849.578	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.448	0.0	60788104.127	19.5653	ng/ml		-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.83%			
S TCMX (PCB) #2	4.798	0.0	11681542.843	33.9722	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 169.86%		*	
S Decachlorobiphenyl (PCB)	11.139	0.0	39934943.613	10.1448	ng/ml		-0.023
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 50.72%			
S Decachlorobiphenyl (PCB) #2	12.226	0.0	8185291.324	21.7450	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 108.72%			
Target Compounds							QValue

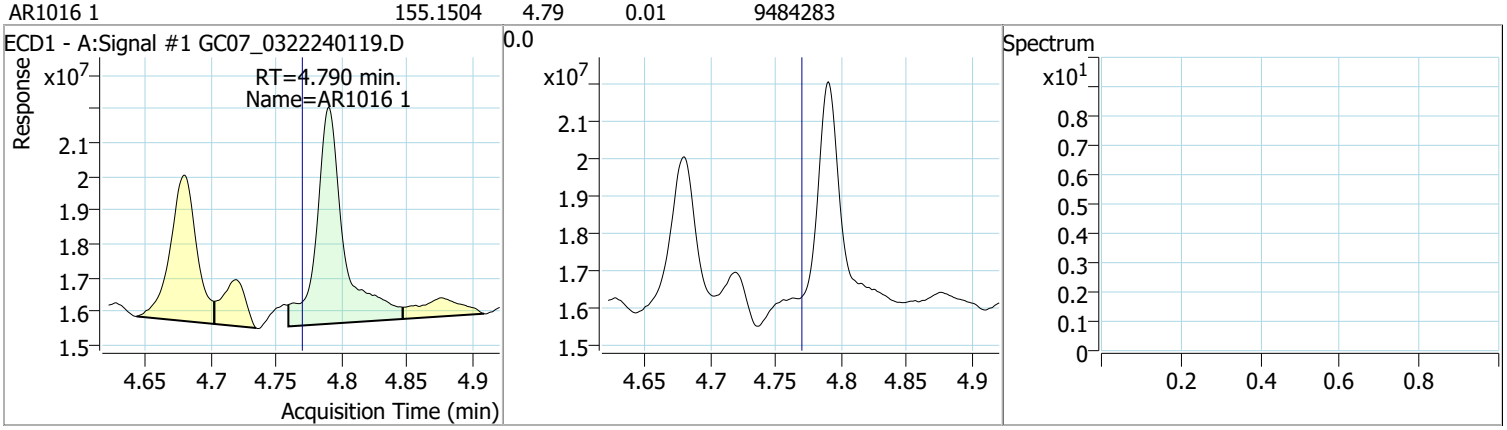
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.790	0.0	9484282.891	155.1504	ng/ml	100
T AR1016 2	5.051	0.0	2165073.481	19.1201	ng/ml	100
T AR1016 1 #2	5.309	0.0	671215.934	91.8921	ng/ml	100
T AR1016 3	5.426	0.0	28059919.061	178.7627	ng/ml	100
T AR1016 4	5.555	0.0	374949.424	3.5808	ng/ml	100
T AR1016 2 #2	5.653	0.0	1193957.156	78.6443	ng/ml	100
T AR1016 5	6.077	0.0	2507002.114	28.3614	ng/ml	100
T AR1016 3 #2	6.117	0.0	3586502.312	181.8806	ng/ml	100
T AR1016 4 #2	6.174	0.0	28453.381	2.1787	ng/ml	100
T AR1016 5 #2	6.698	0.0	21562.482	1.9434	ng/ml	100
T AR1260 1	7.401	0.0	15895094.972	85.9121	ng/ml	100
T AR1260 2	7.815	0.0	325114.249	1.0866	ng/ml	100
T AR1260 3	8.410	0.0	2677193.197	8.1470	ng/ml	100
T AR1260 1 #2	8.858	0.0	369843.902	14.5190	ng/ml	100
T AR1260 4	9.101	0.0	11176010.875	60.6661	ng/ml	100
T AR1260 2 #2	9.204	0.0	75729.088	2.7535	ng/ml	100
T AR1260 3 #2	9.708	0.0	428891.430	12.7601	ng/ml	100
T AR1260 5	9.839	0.0	3099298.184	14.0329	ng/ml	100
T AR1260 4 #2	10.123	0.0	6252939.637	288.3877	ng/ml	100
T AR1260 5 #2	11.013	0.0	1615993.365	53.8049	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

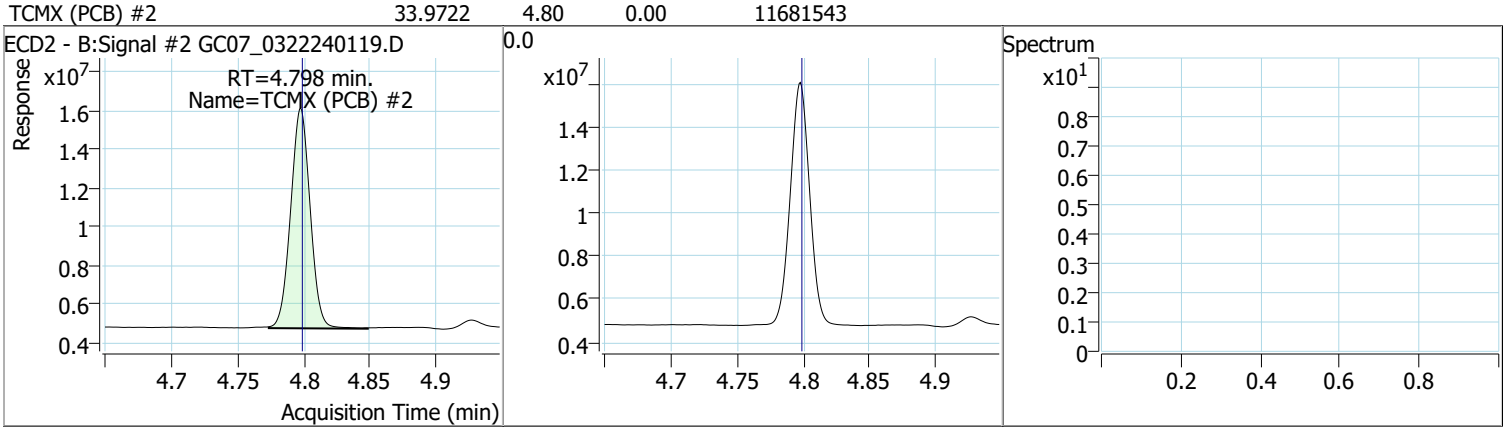
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.5653	4.45	-0.01	60788104				



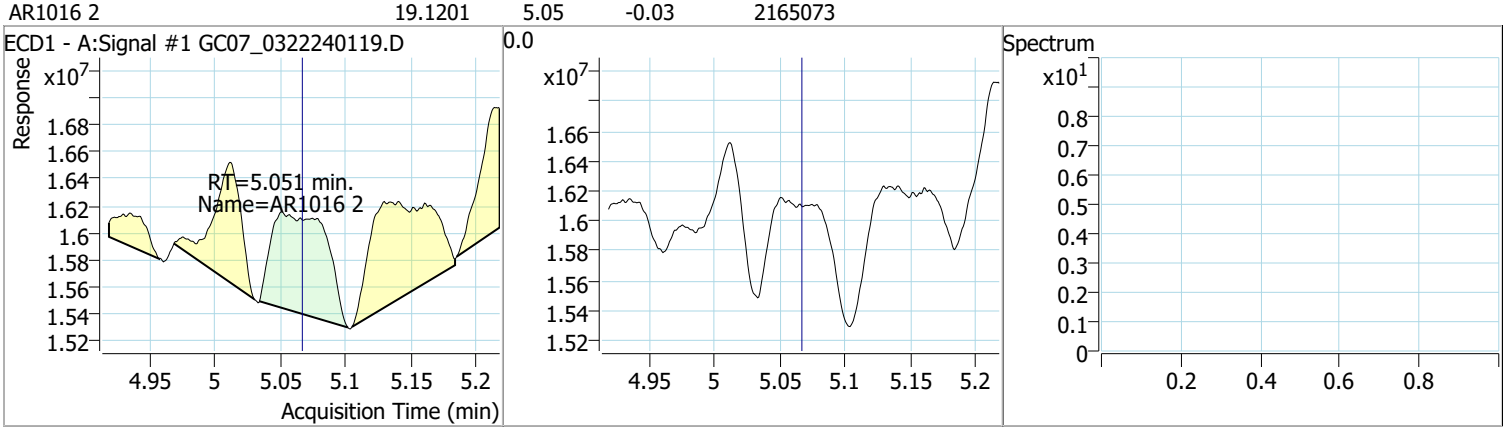
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	155.1504	4.79	0.01	9484283				



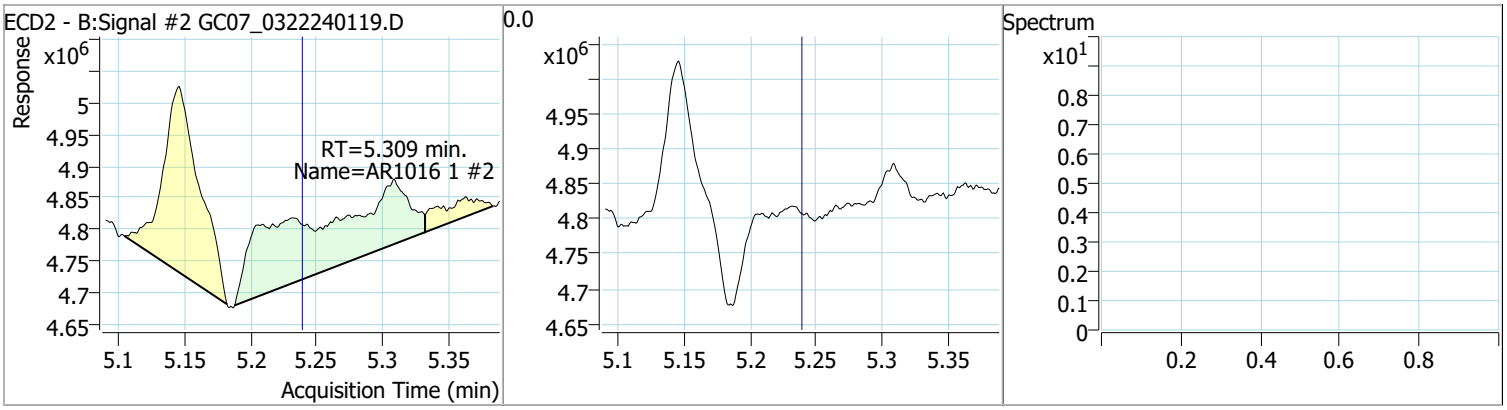
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.9722	4.80	0.00	11681543				



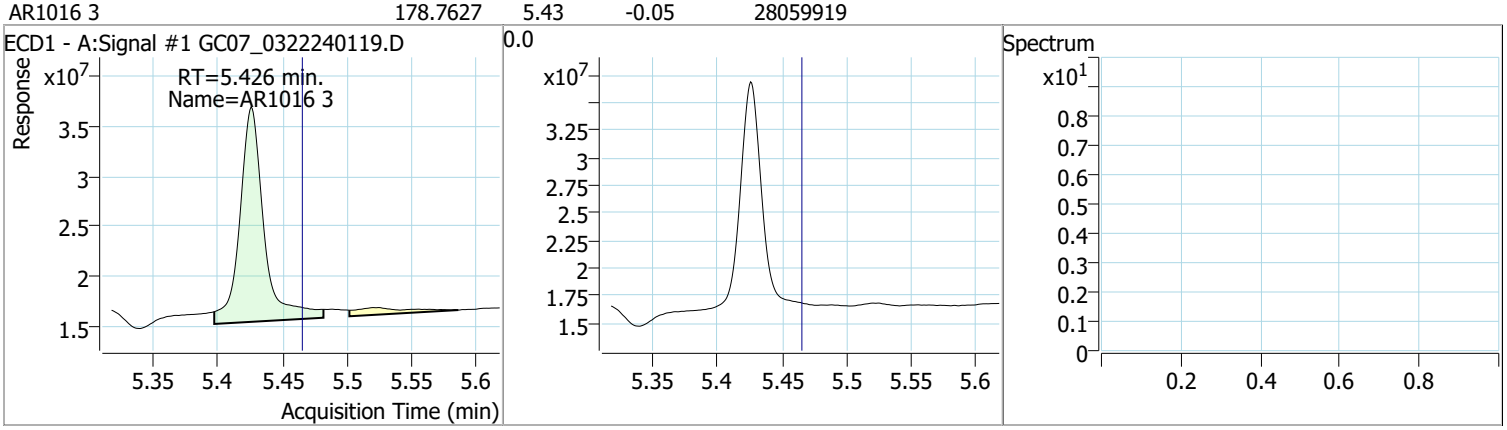
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	19.1201	5.05	-0.03	2165073				



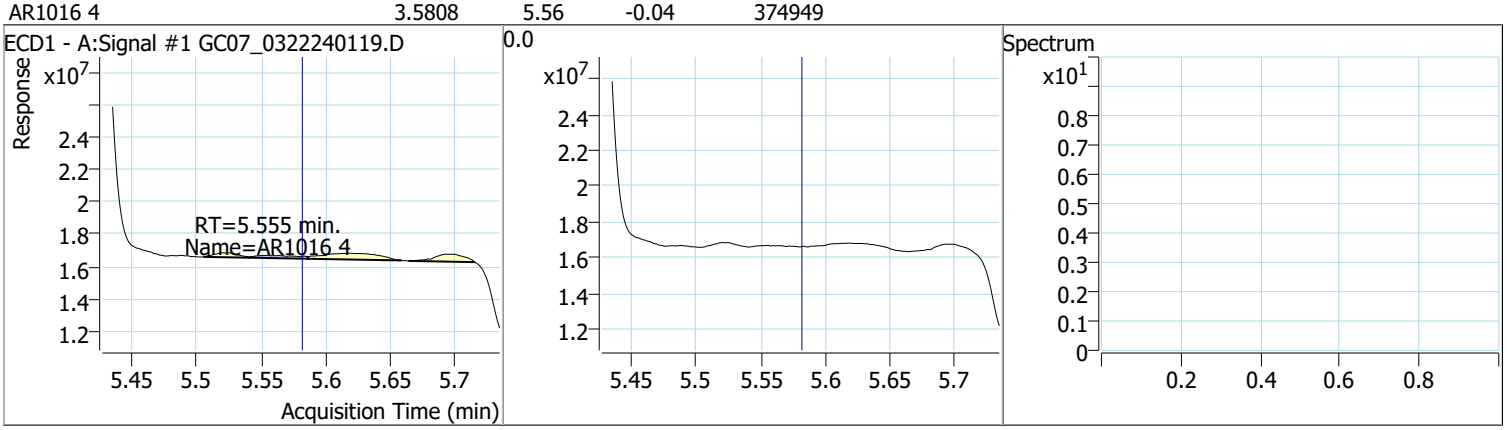
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	91.8921	5.31	0.07	671216				



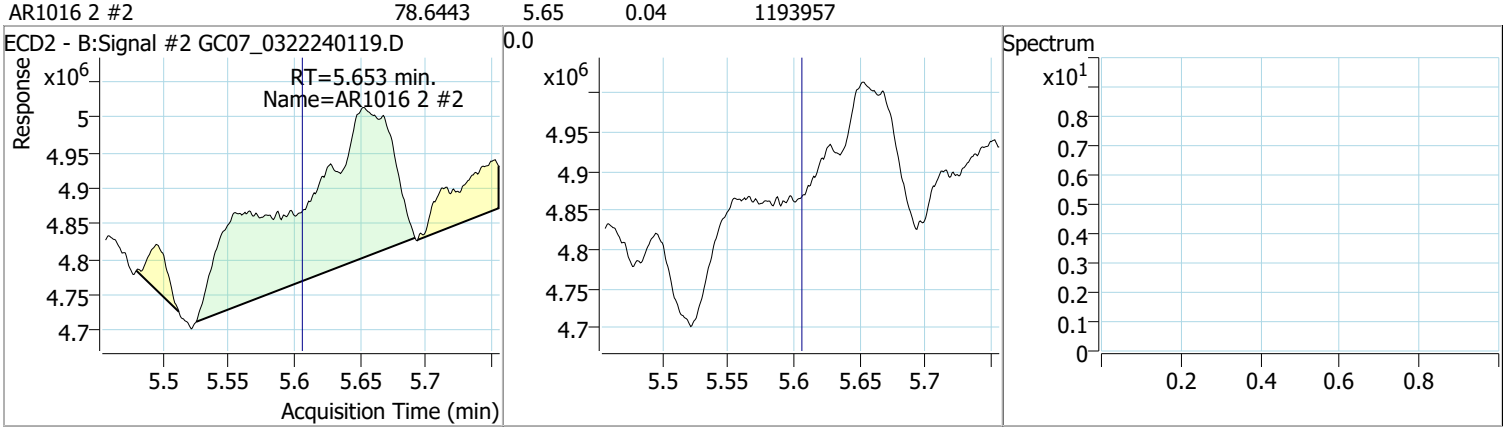
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	178.7627	5.43	-0.05	28059919				



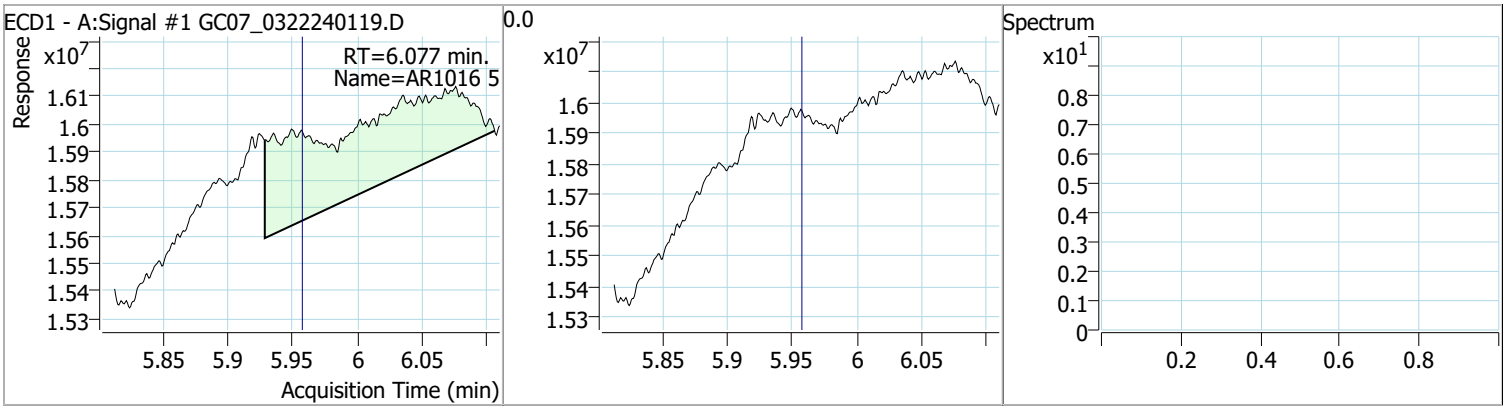
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	3.5808	5.56	-0.04	374949				



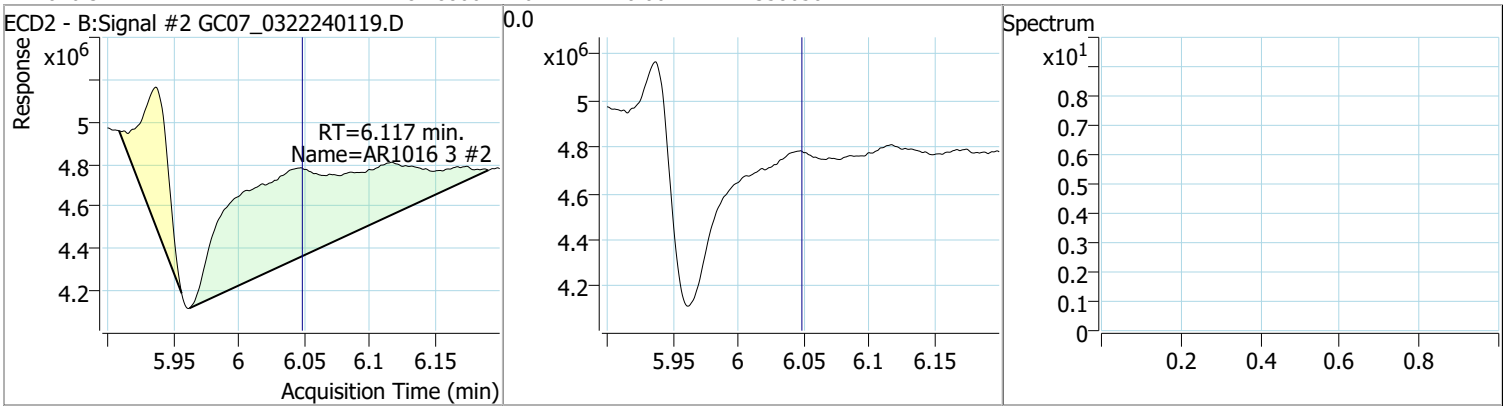
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	78.6443	5.65	0.04	1193957				



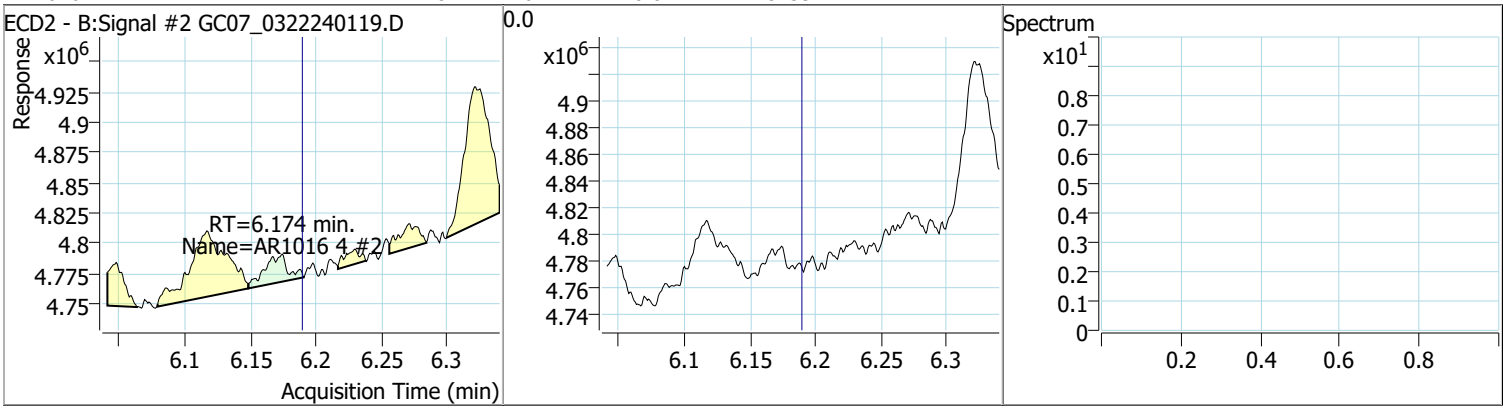
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	28.3614	6.08	0.11	2507002				



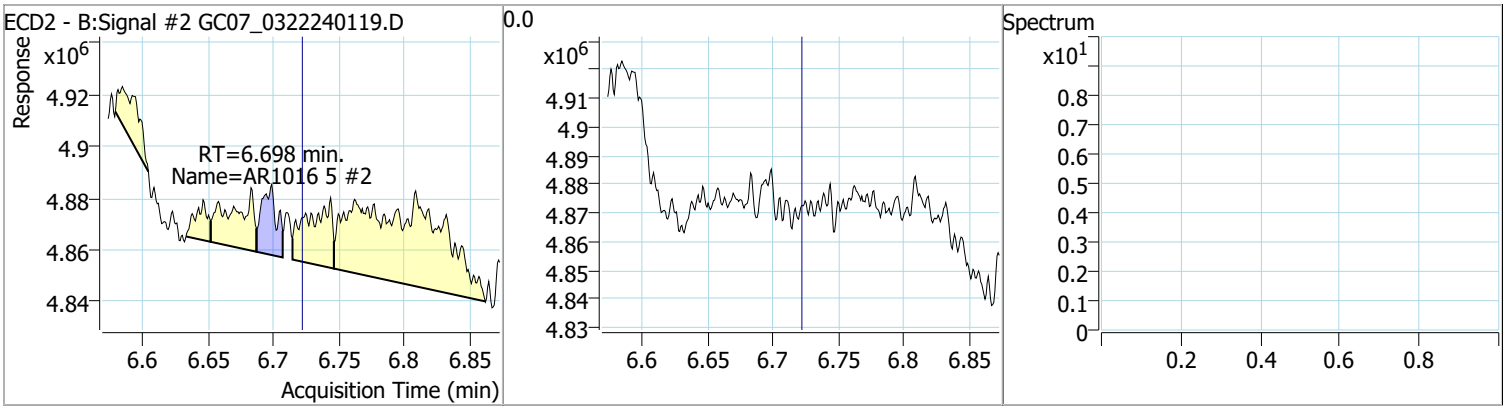
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	181.8806	6.12	0.06	3586502				



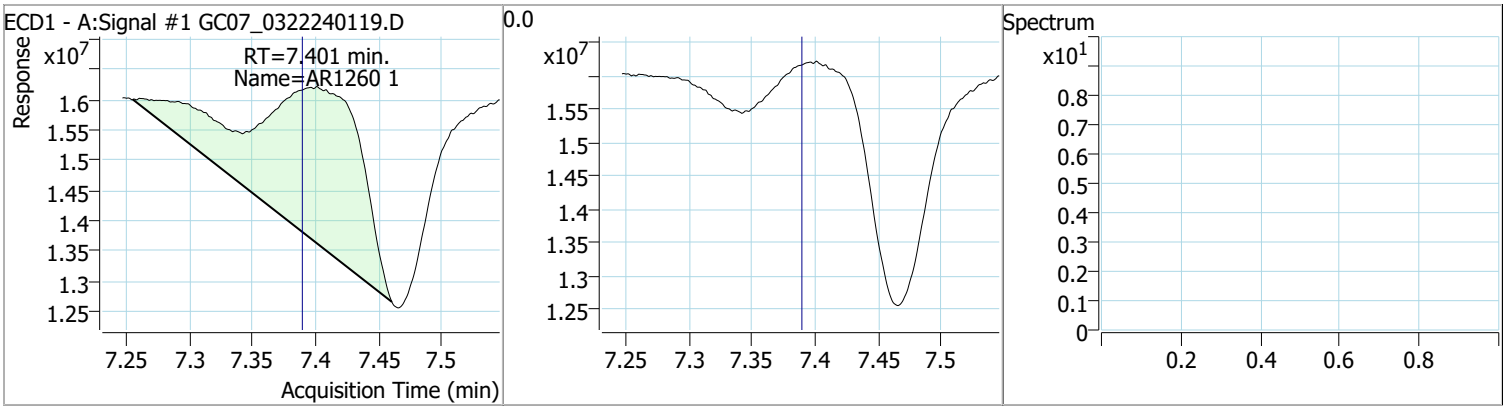
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.1787	6.17	-0.02	28453				



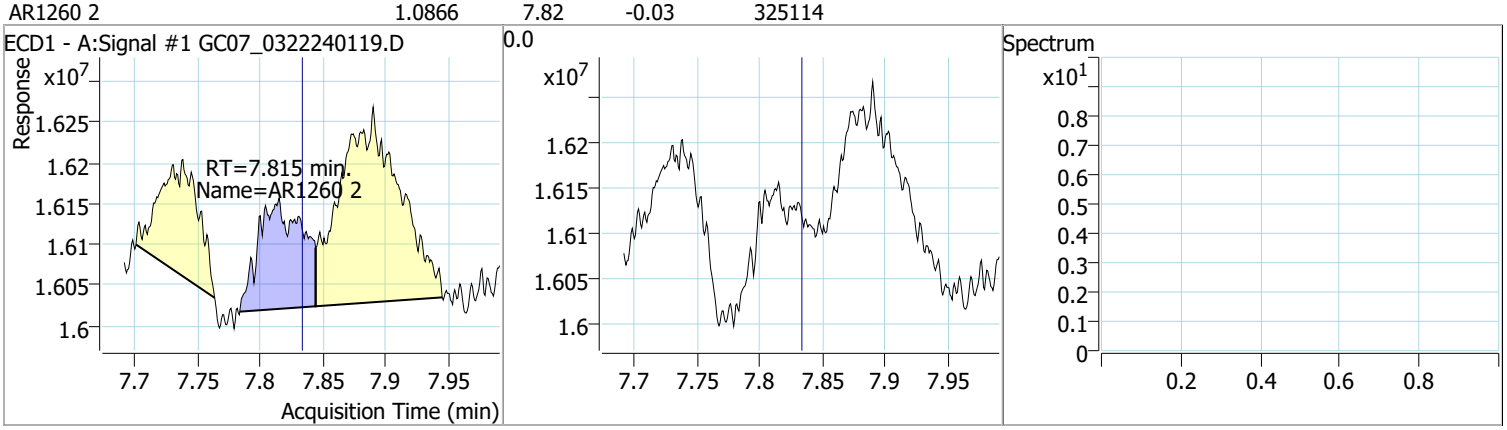
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.9434	6.70	-0.03	21562				



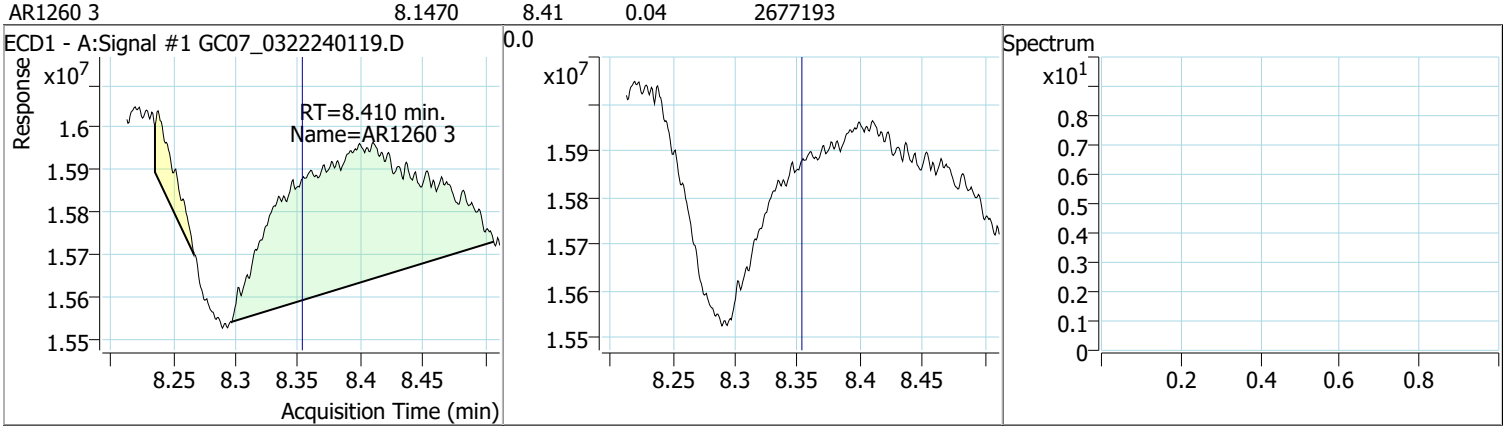
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	85.9121	7.40	0.00	15895095				



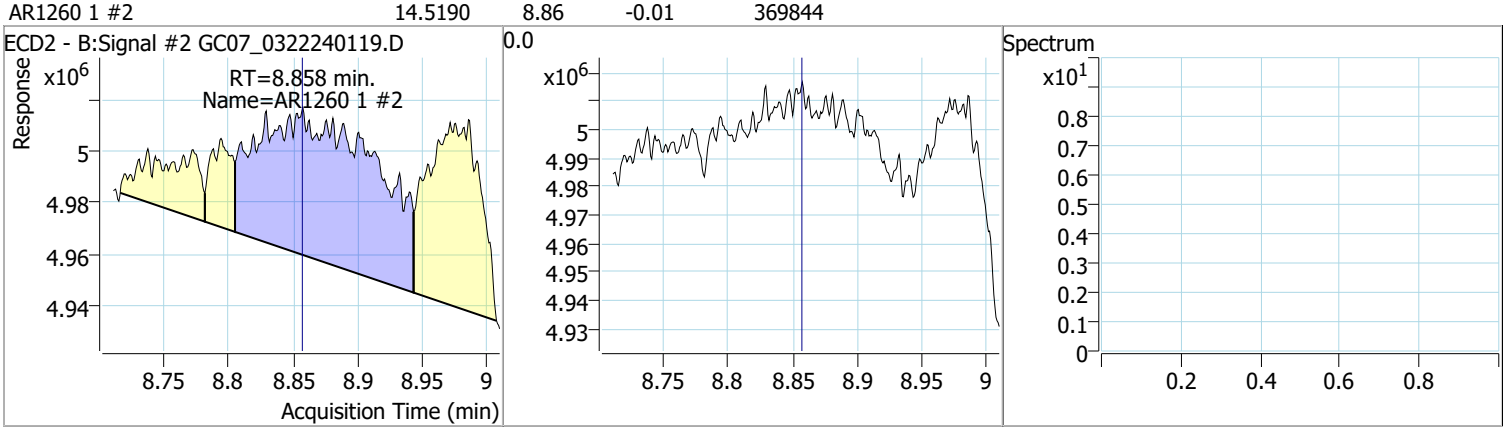
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.0866	7.82	-0.03	325114				



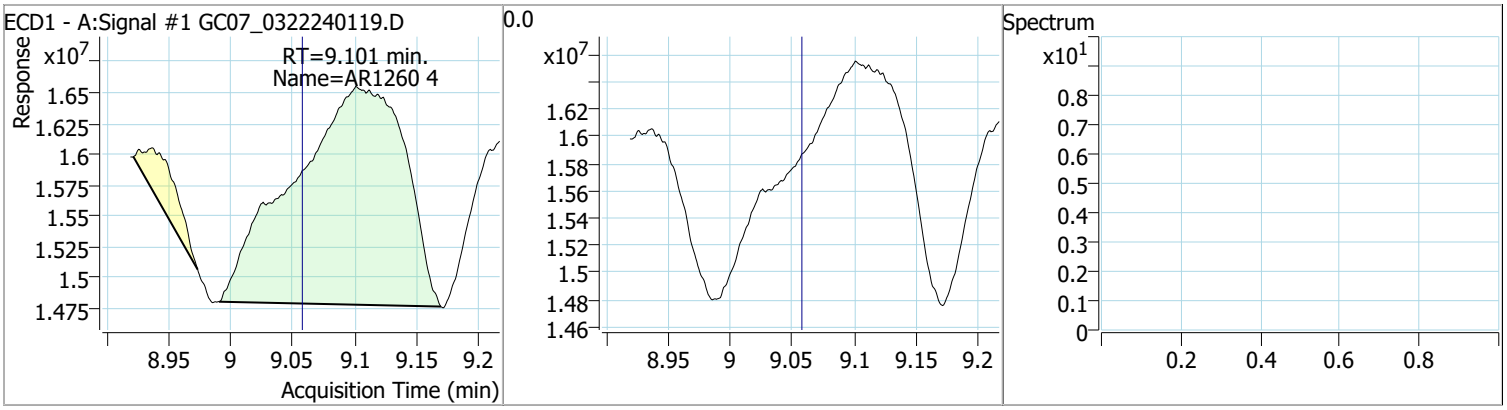
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	8.1470	8.41	0.04	2677193				



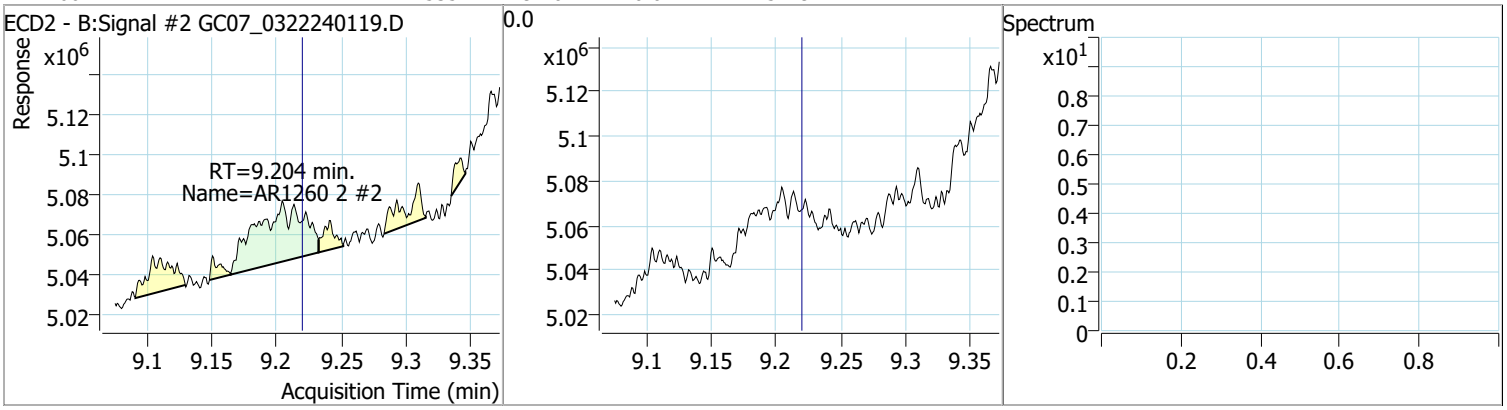
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	14.5190	8.86	-0.01	369844				



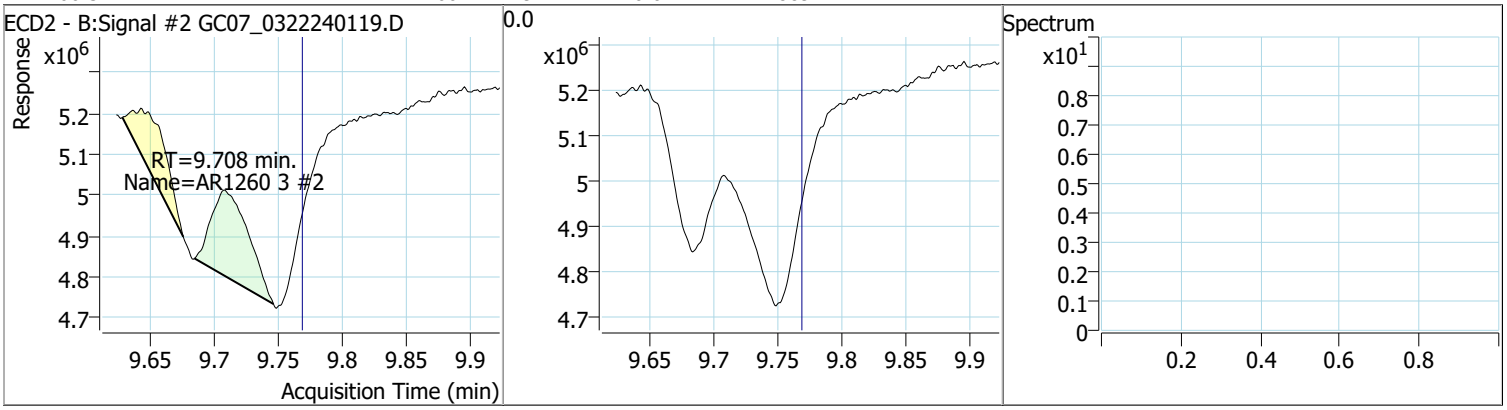
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	60.6661	9.10	0.03	11176011				



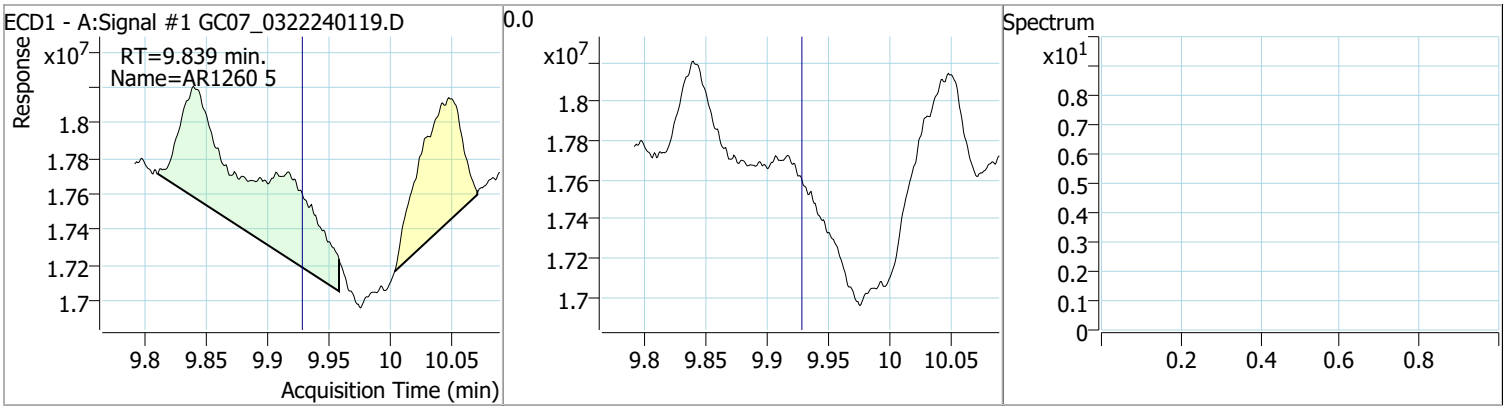
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	2.7535	9.20	-0.02	75729				



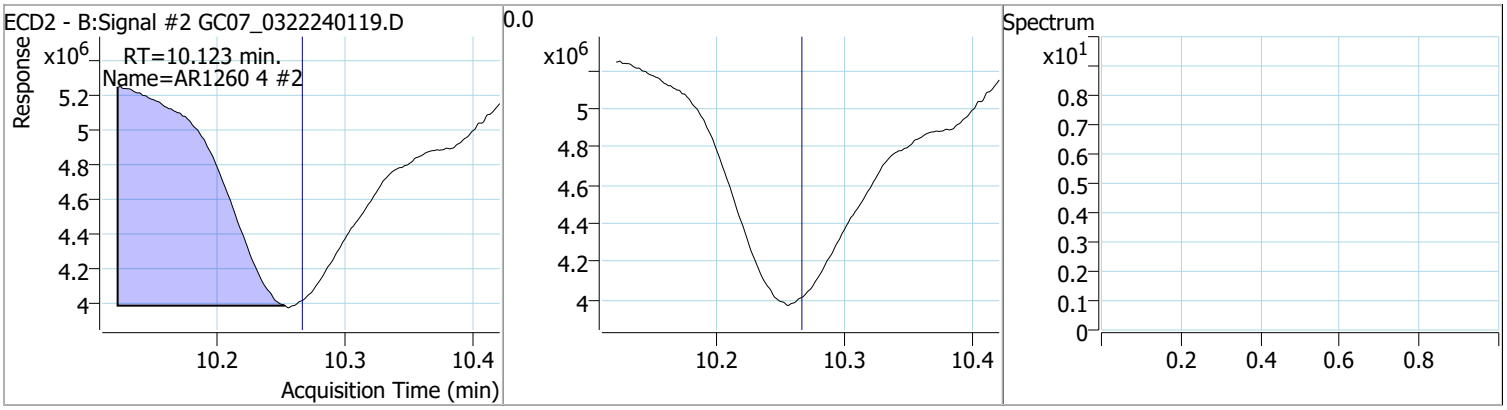
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	12.7601	9.71	-0.07	428891				



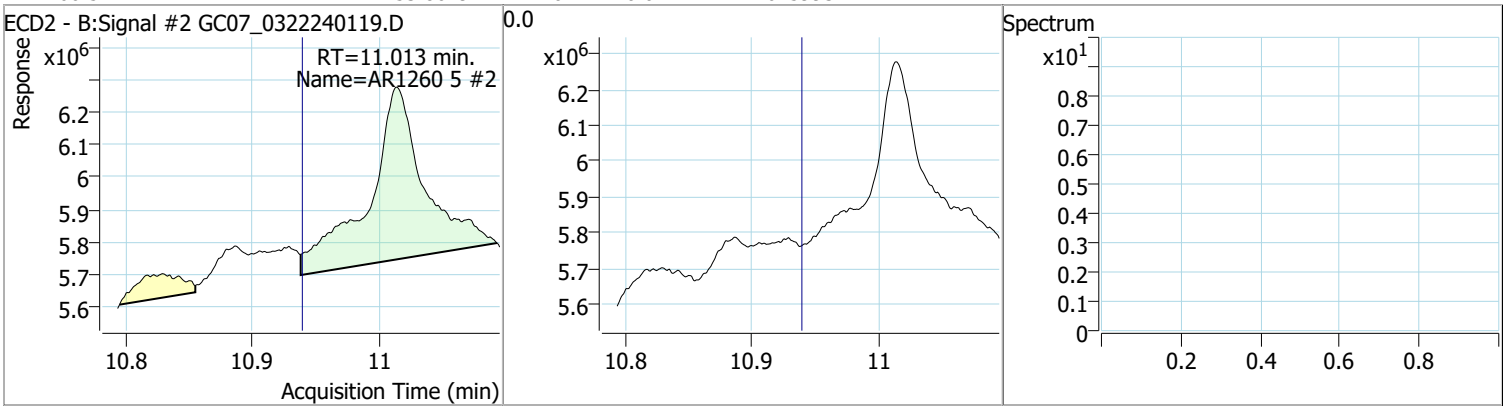
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	14.0329	9.84	-0.11	3099298				



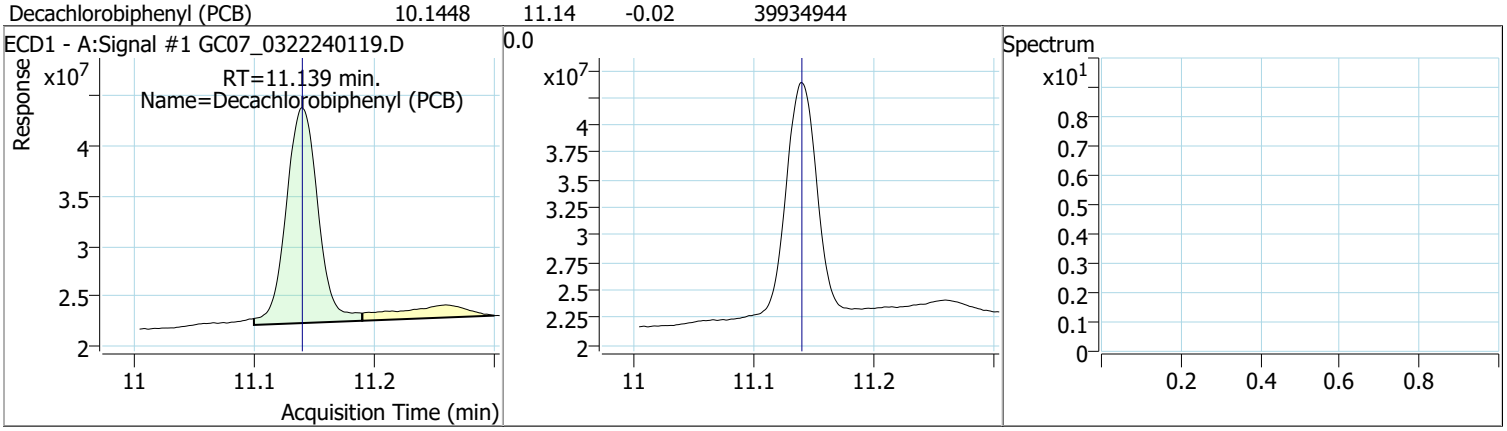
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	288.3877	10.12	-0.15	6252940				



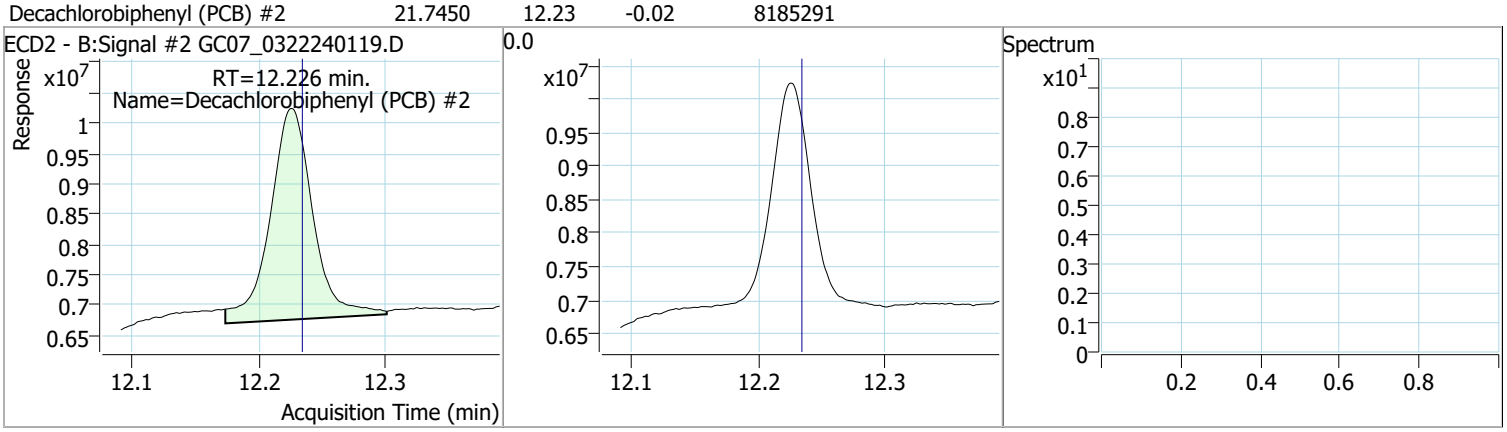
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	53.8049	11.01	0.07	1615993				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	10.1448	11.14	-0.02	39934944				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	21.7450	12.23	-0.02	8185291				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	504506-015	Client ID:	AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-P-LA
Seqnum:	464118734120	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_0322240120	Batch:	335940	Time:	22-MAR-2024 16:47
Cal:	464104819001	Caldate:	13-MAR-2024		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	64.93	ug/L	~~0.65~~ FP	0.85	27%	0.50		x u
Aroclor-1016 Peak # 1	B	36.37	ug/L	0.36	0.73	67%			
Aroclor-1016 Peak # 2	B	57.28	ug/L	0.57	0.23	86%			
Aroclor-1016 Peak # 3	B	202.9	ug/L	2.03	1.94	4%			
Aroclor-1016 Peak # 4	B	1.987	ug/L	0.02	0.22	167%			
Aroclor-1016 Peak # 5	B	26.12	ug/L	0.26	1.15	126%			
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	53.04	ug/L	~~0.53~~ FP	0.53	1%	0.50		x u
Aroclor-1260 Peak # 1	B	3.771	ug/L	0.04	1.42	190%			
Aroclor-1260 Peak # 2	B	4.357	ug/L	0.04	0.02	82%			
Aroclor-1260 Peak # 3	B	11.45	ug/L	0.11	0.13	9%			
Aroclor-1260 Peak # 4	B	197.9	ug/L	1.98	0.96	69%			
Aroclor-1260 Peak # 5	B	47.72	ug/L	0.48	0.14	109%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	26.58	pg/uL	0.5000	0.2658	53	19-121	u
Decachlorobiphenyl (PCB)	B	19.24	pg/uL	0.5000	0.1924	38	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	6002993	-14.36
1-bromo-2-nitrobenzene (PCB)	A	36910905	31901210	-13.57

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.67	-0.01

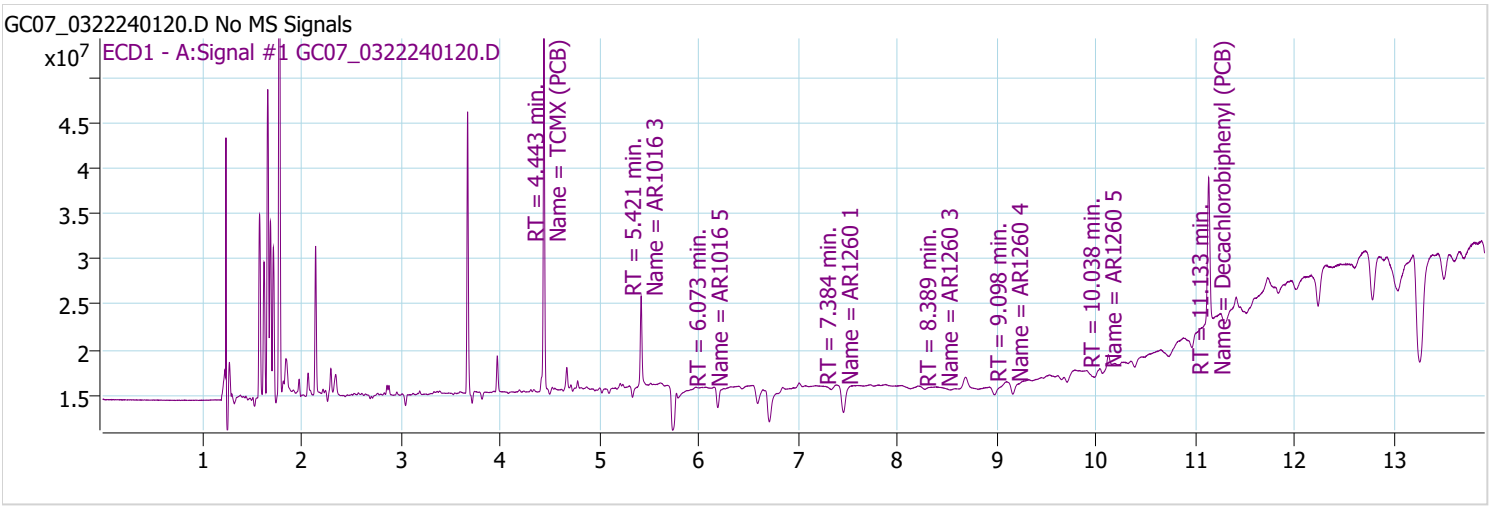
03/24/24 : WIPE/1-10ML

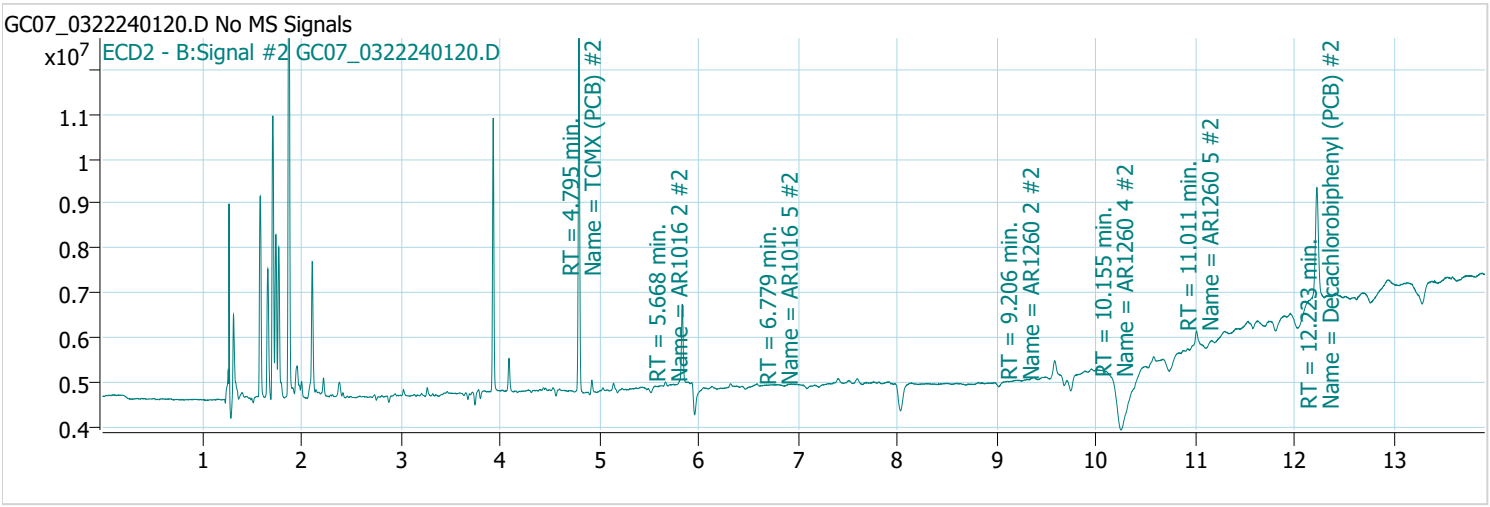
u=use x=false positive

Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240120.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 4:47:41 PM
Sample Name	504506-015, 335940, 1	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



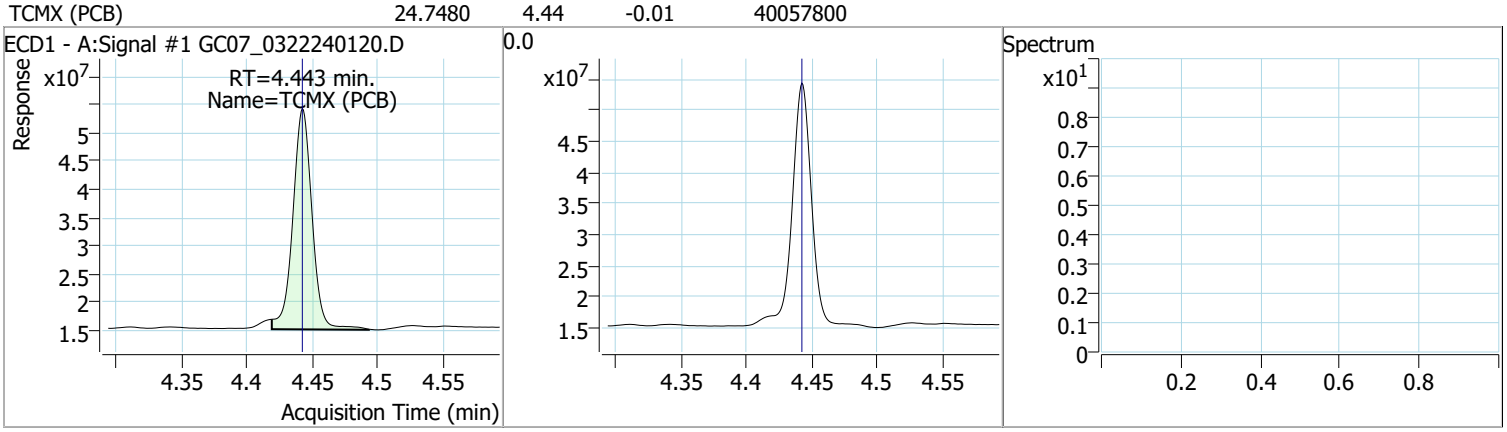


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.674	0.0	31901210.357	20.0000	ng/ml	-0.013
M 1-bromo-2-nitrobenzene (PCB) #2	3.932	0.0	6002992.826	20.0000	ng/ml	-0.004
System Monitoring Compounds						
S TCMX (PCB)	4.443	0.0	40057799.973	24.7480	ng/ml	-0.015
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 123.74%		
S TCMX (PCB) #2	4.795	0.0	8023680.099	26.5758	ng/ml	-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.88%		
S Decachlorobiphenyl (PCB)	11.133	0.0	32968639.259	16.0759	ng/ml	-0.029
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 80.38%		
S Decachlorobiphenyl (PCB) #2	12.223	0.0	6358924.072	19.2396	ng/ml	-0.021
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 96.20%		
Target Compounds						QValue

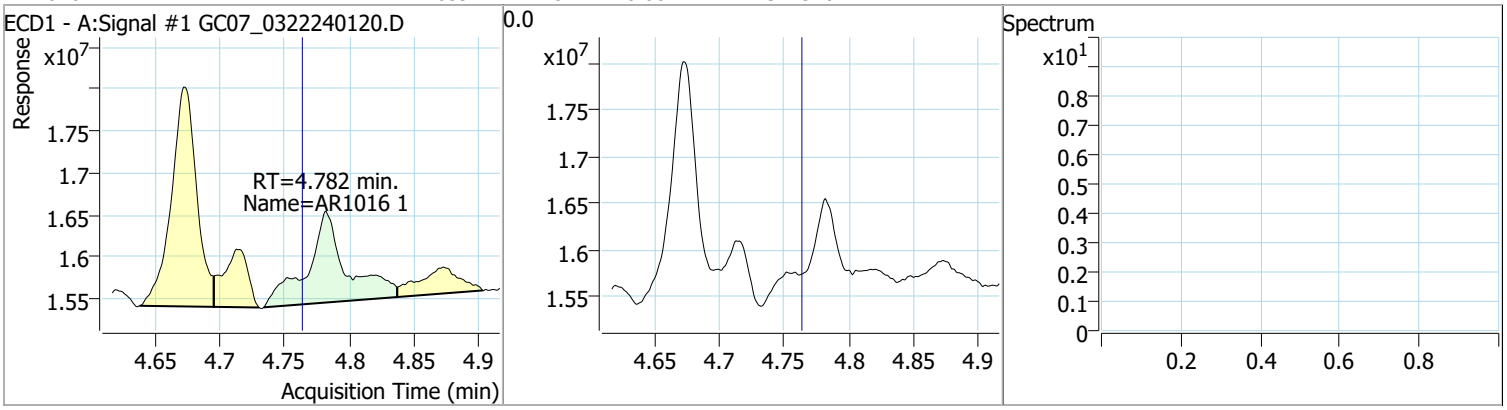
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.782	0.0	2317370.297	72.7659	ng/ml	100
T AR1016 2	5.063	0.0	1349480.858	22.8754	ng/ml	100
T AR1016 1 #2	5.230	0.0	233248.188	36.3683	ng/ml	100
T AR1016 3	5.421	0.0	15892517.952	194.3423	ng/ml	100
T AR1016 4	5.613	0.0	1192963.178	21.8684	ng/ml	100
T AR1016 2 #2	5.668	0.0	763494.694	57.2760	ng/ml	100
T AR1016 5	6.073	0.0	5305328.289	115.2046	ng/ml	100
T AR1016 3 #2	6.134	0.0	3513348.630	202.9199	ng/ml	100
T AR1016 4 #2	6.218	0.0	22789.315	1.9874	ng/ml	100
T AR1016 5 #2	6.779	0.0	254433.113	26.1168	ng/ml	100
T AR1260 1	7.384	0.0	13712497.772	142.2631	ng/ml	100
T AR1260 2	7.803	0.0	282512.719	1.8124	ng/ml	100
T AR1260 3	8.389	0.0	2154672.006	12.5858	ng/ml	100
T AR1260 1 #2	8.852	0.0	84335.305	3.7706	ng/ml	100
T AR1260 4	9.098	0.0	9247639.092	96.3550	ng/ml	100
T AR1260 2 #2	9.206	0.0	105209.256	4.3568	ng/ml	100
T AR1260 3 #2	9.705	0.0	337891.166	11.4491	ng/ml	100
T AR1260 5	10.038	0.0	1609103.788	13.9847	ng/ml	100
T AR1260 4 #2	10.155	0.0	3767421.462	197.8905	ng/ml	100
T AR1260 5 #2	11.011	0.0	1258386.021	47.7182	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

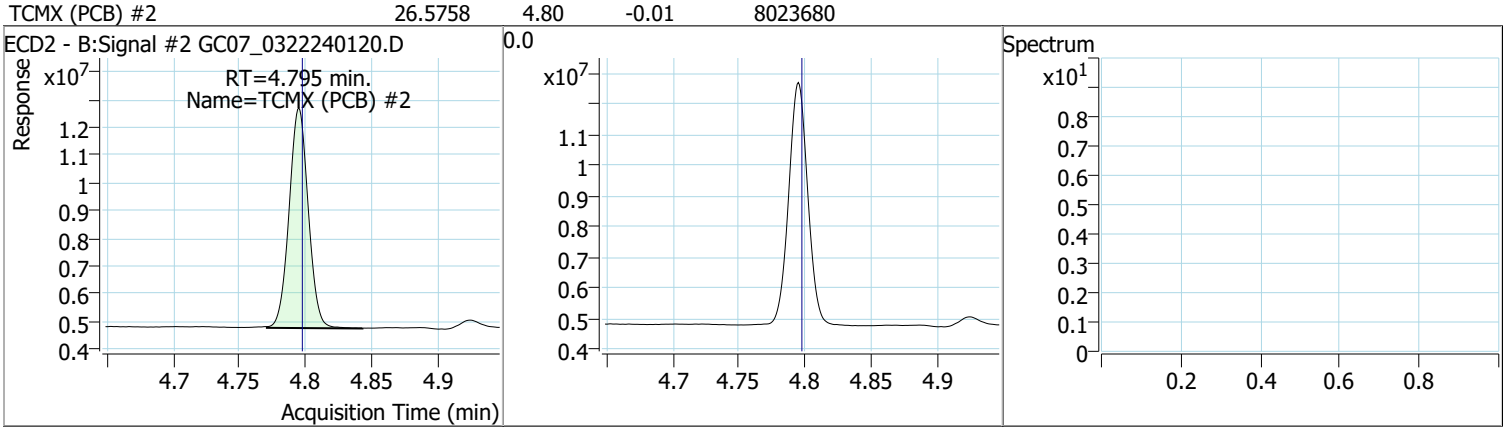
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	24.7480	4.44	-0.01	40057800				



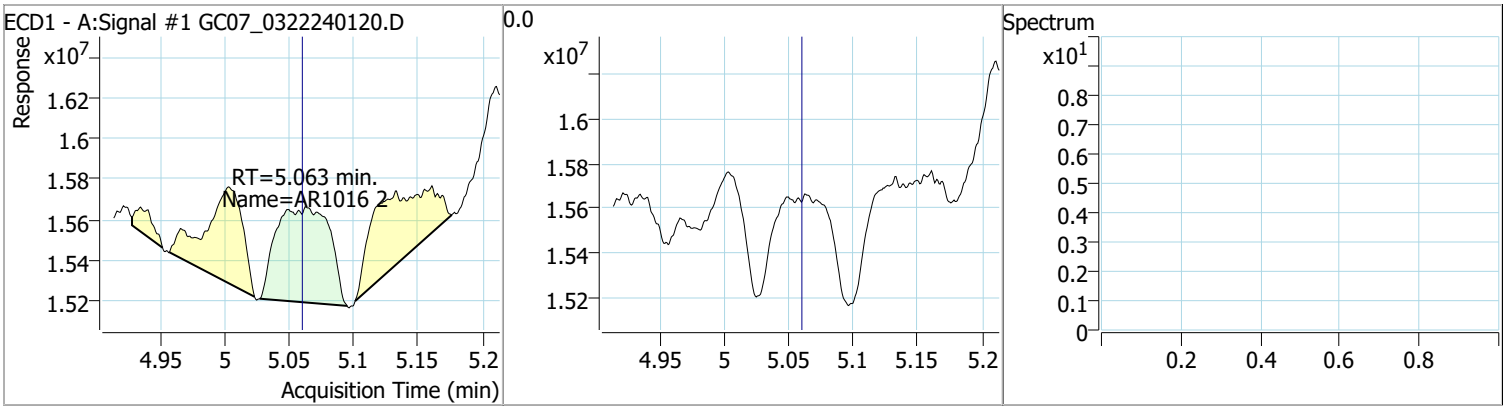
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	72.7659	4.78	0.00	2317370				



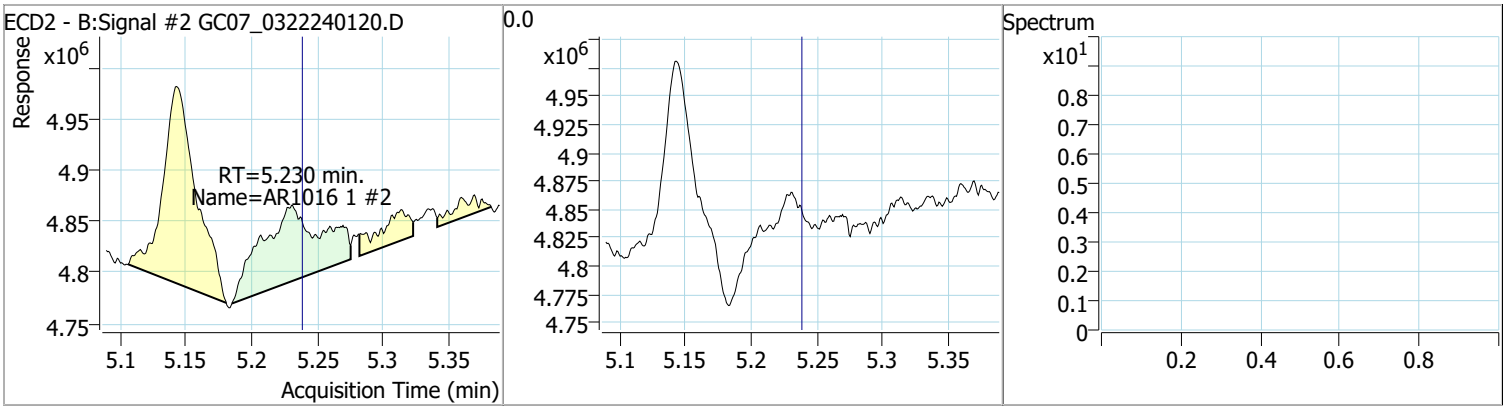
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	26.5758	4.80	-0.01	8023680				



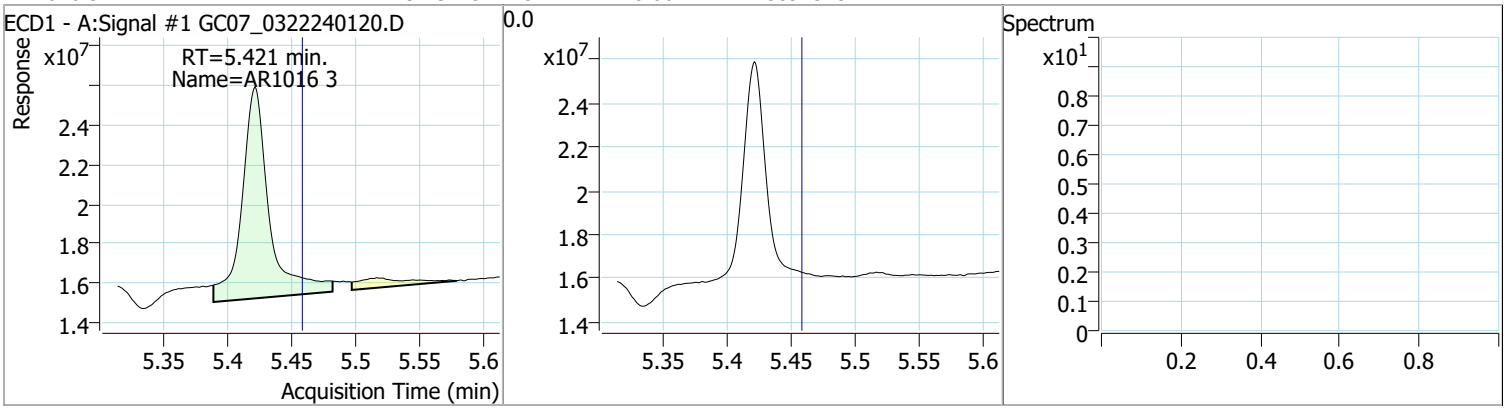
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	22.8754	5.06	-0.01	1349481				



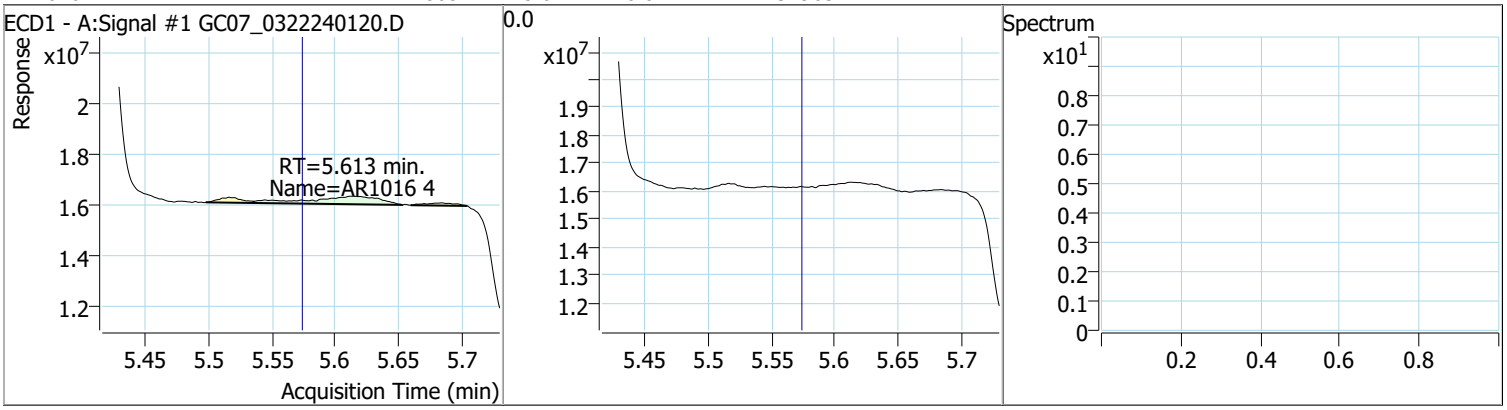
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	36.3683	5.23	-0.01	233248				



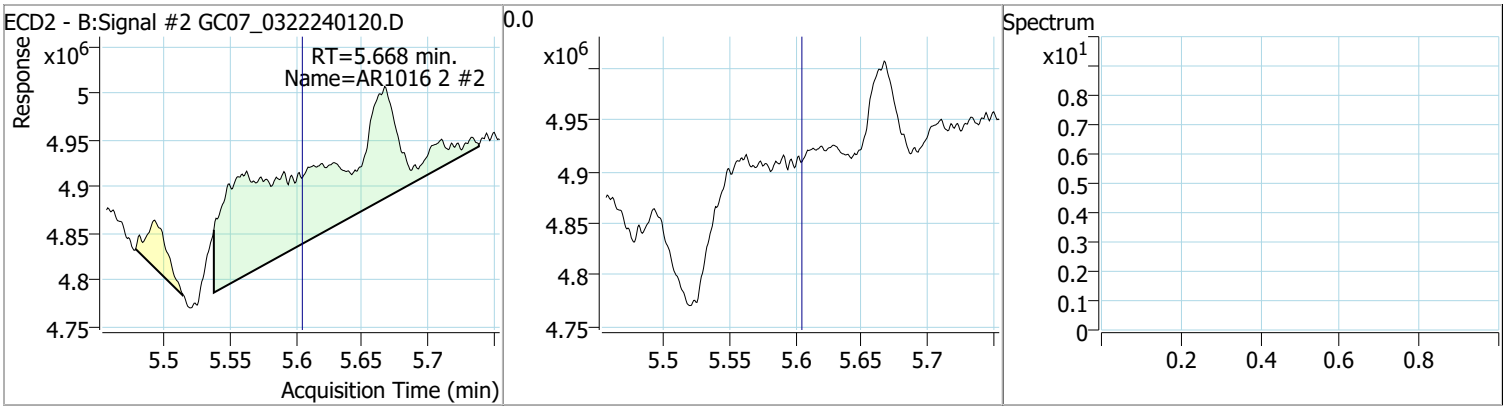
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	194.3423	5.42	-0.06	15892518				



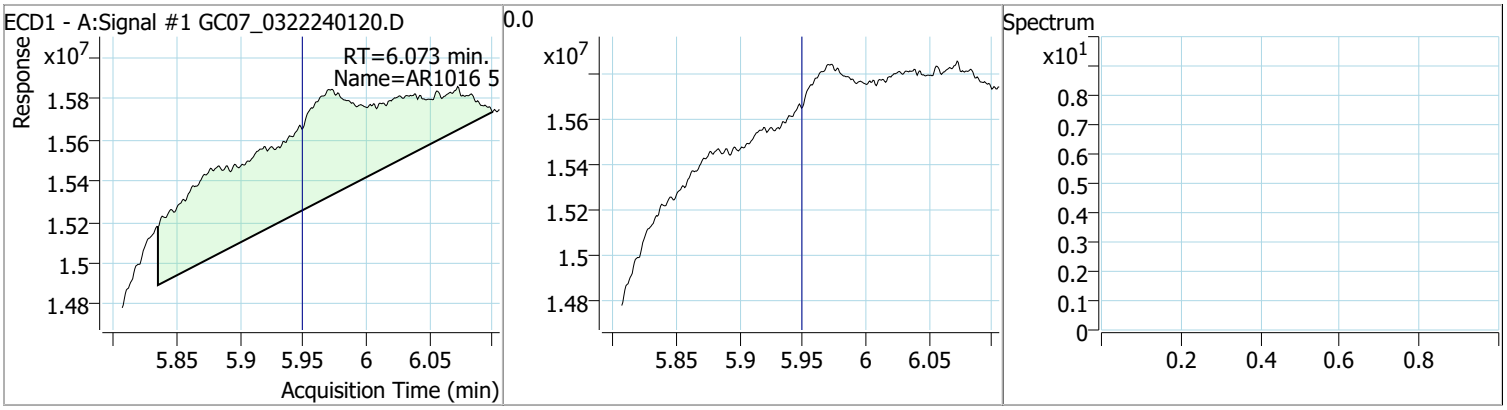
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	21.8684	5.61	0.02	1192963				



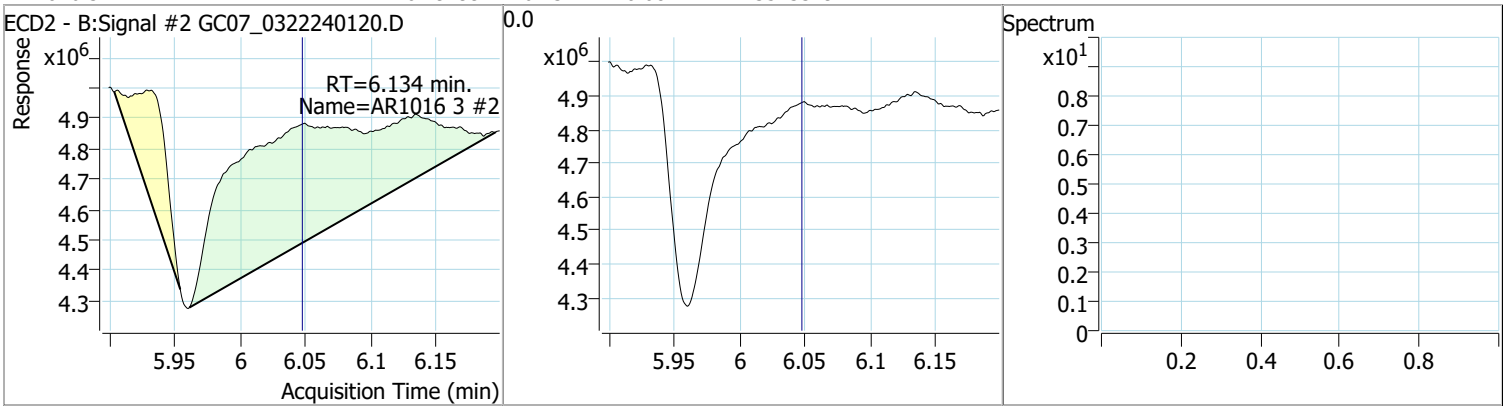
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	57.2760	5.67	0.06	763495				



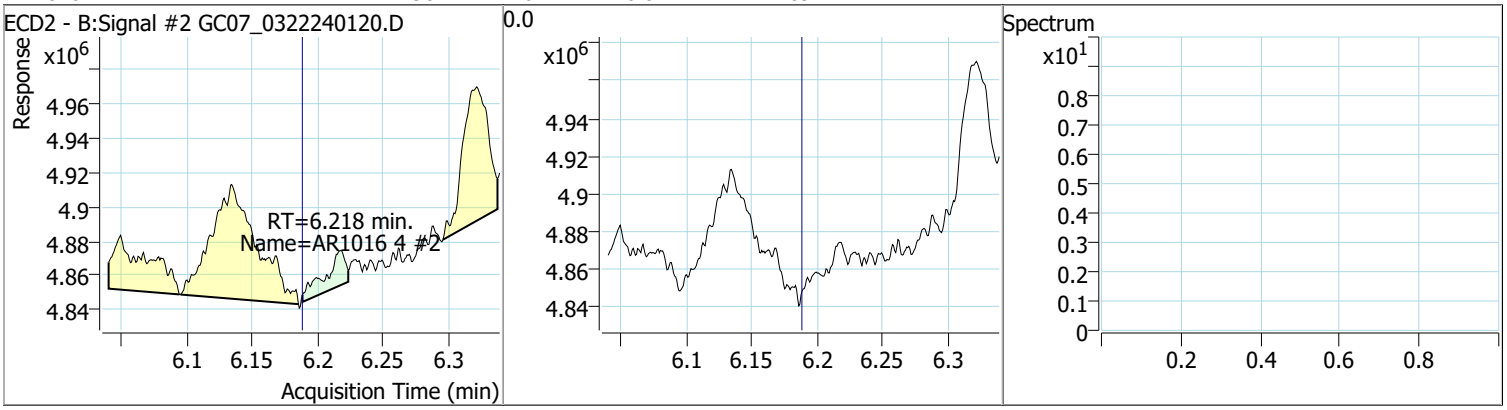
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	115.2046	6.07	0.10	5305328				



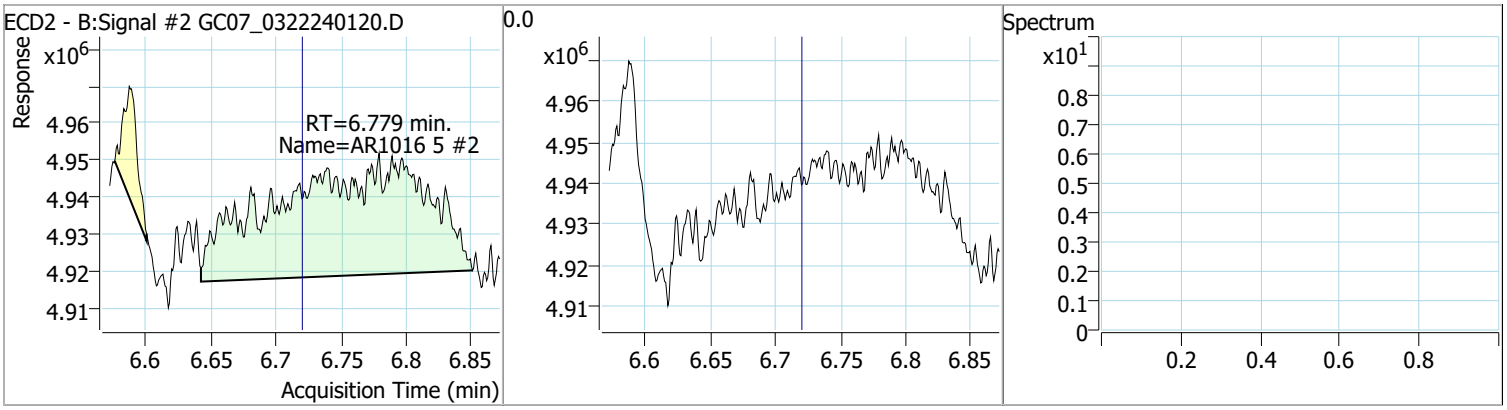
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	202.9199	6.13	0.08	3513349				



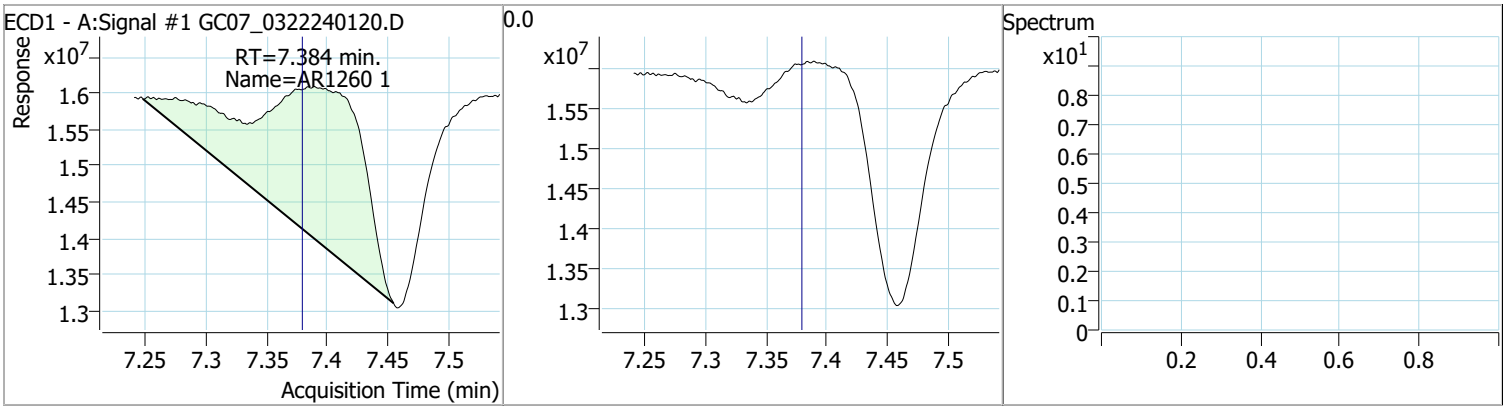
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.9874	6.22	0.02	22789				



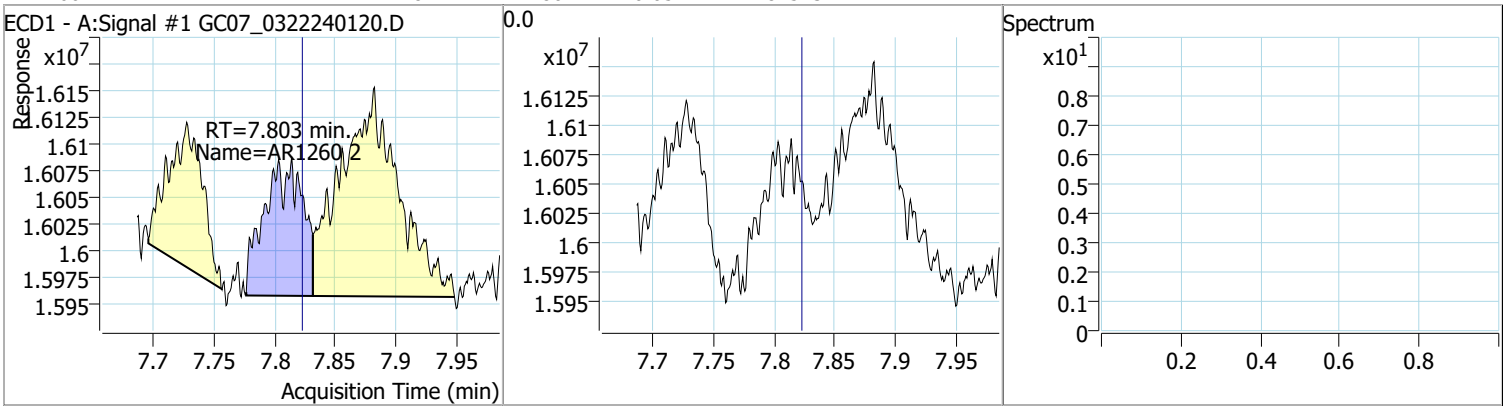
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	26.1168	6.78	0.05	254433				



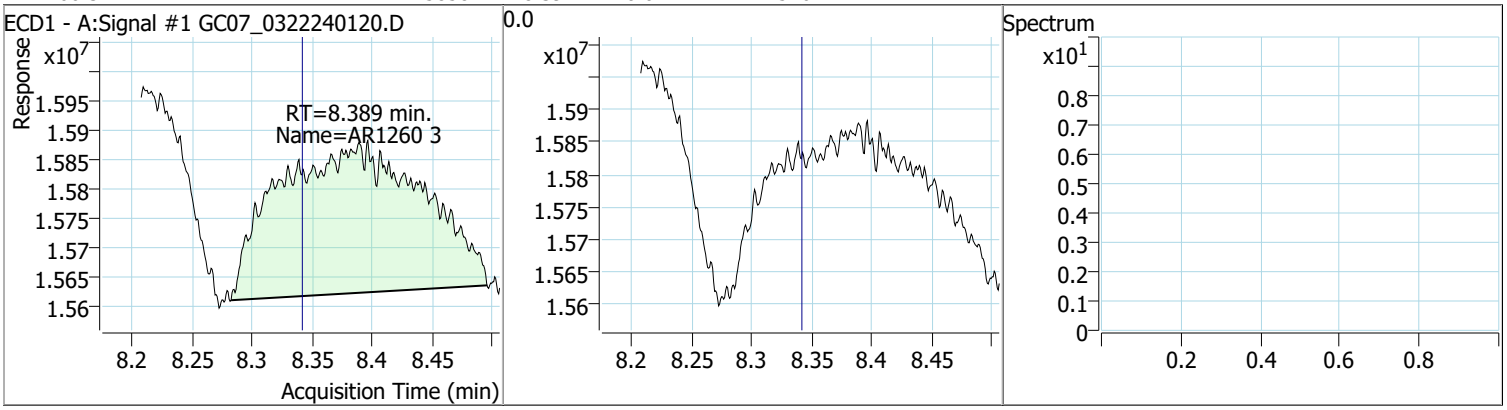
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	142.2631	7.38	-0.02	13712498				



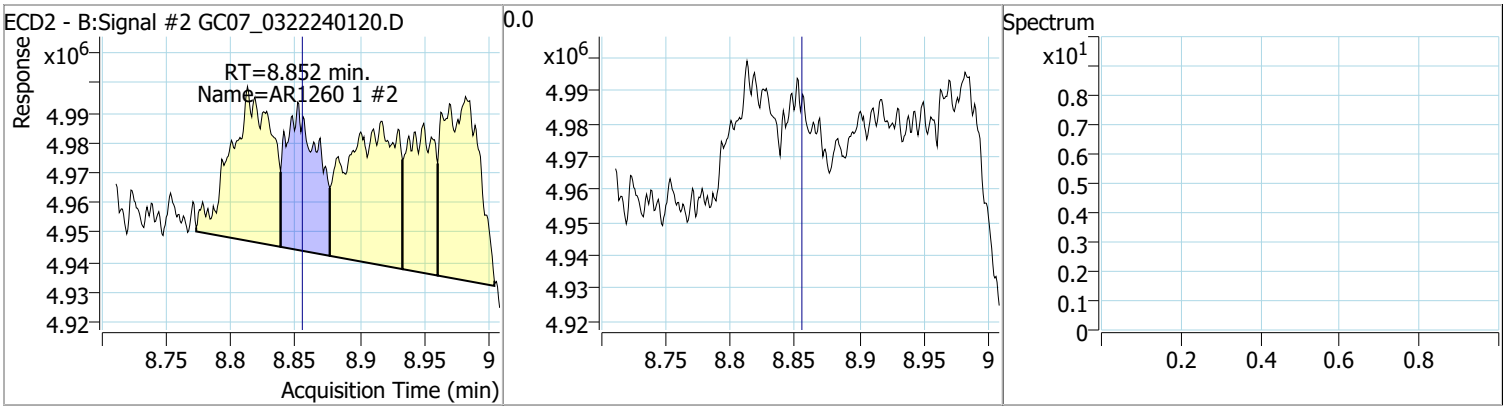
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.8124	7.80	-0.05	282513				



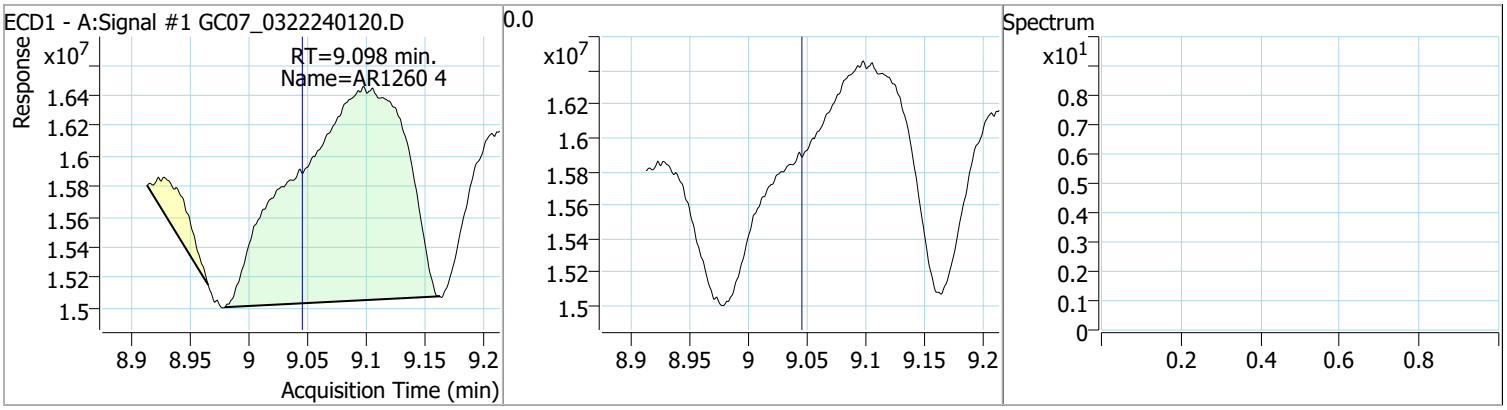
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	12.5858	8.39	0.02	2154672				



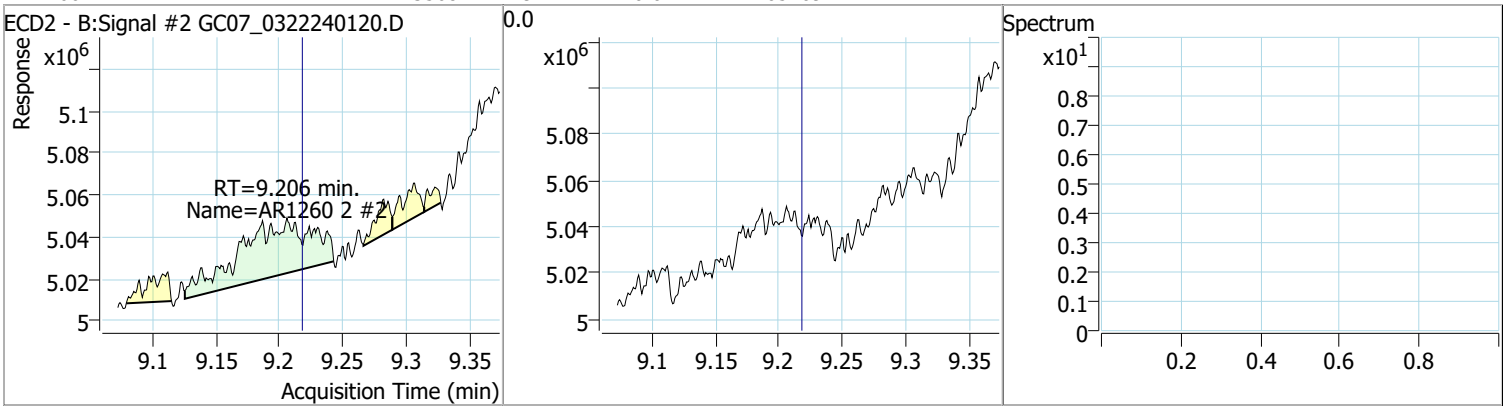
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	3.7706	8.85	-0.01	84335				



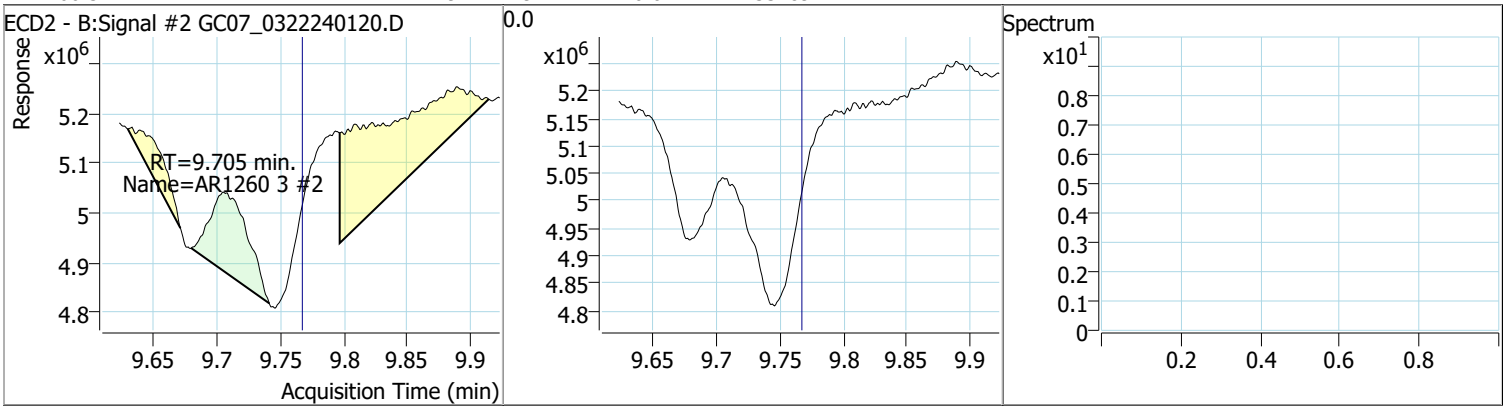
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	96.3550	9.10	0.02	9247639				



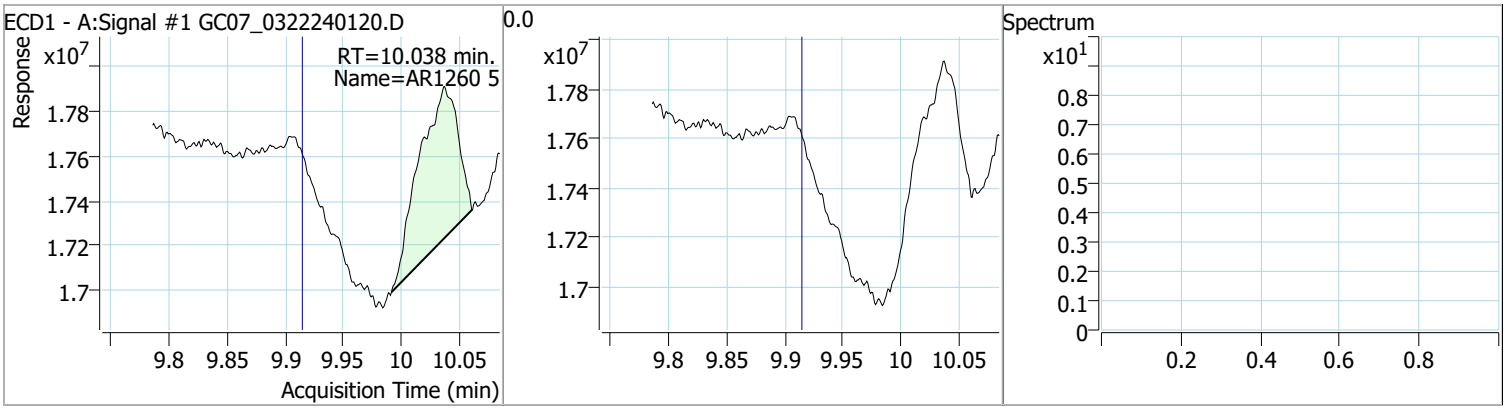
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	4.3568	9.21	-0.02	105209				



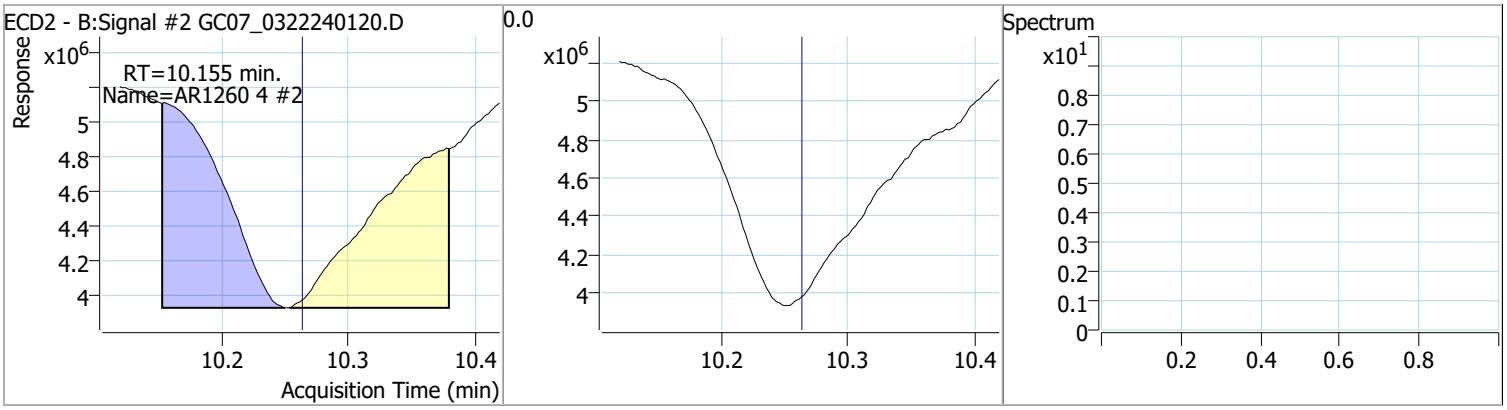
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.4491	9.71	-0.07	337891				



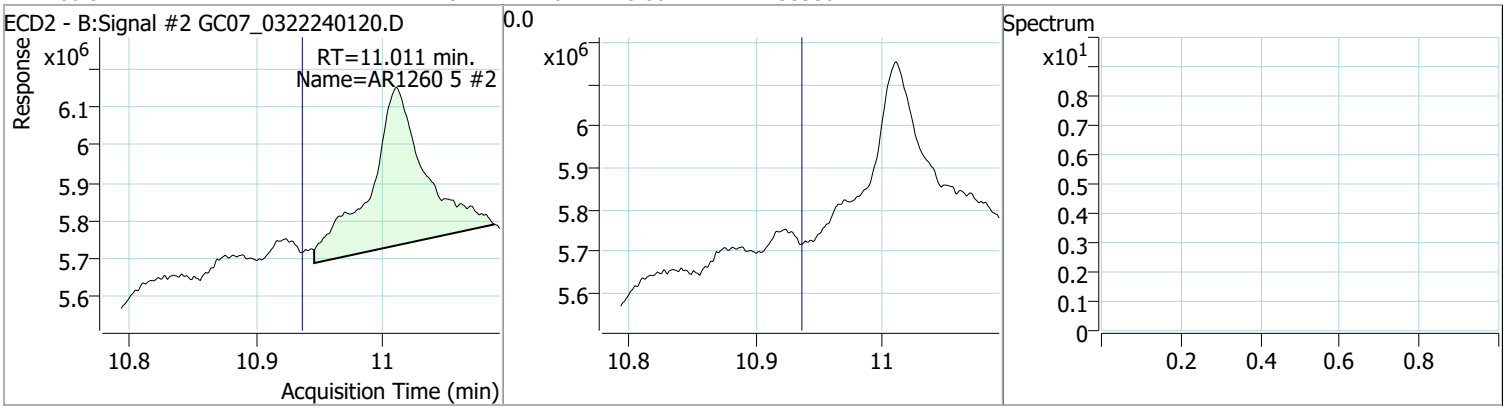
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	13.9847	10.04	0.09	1609104				



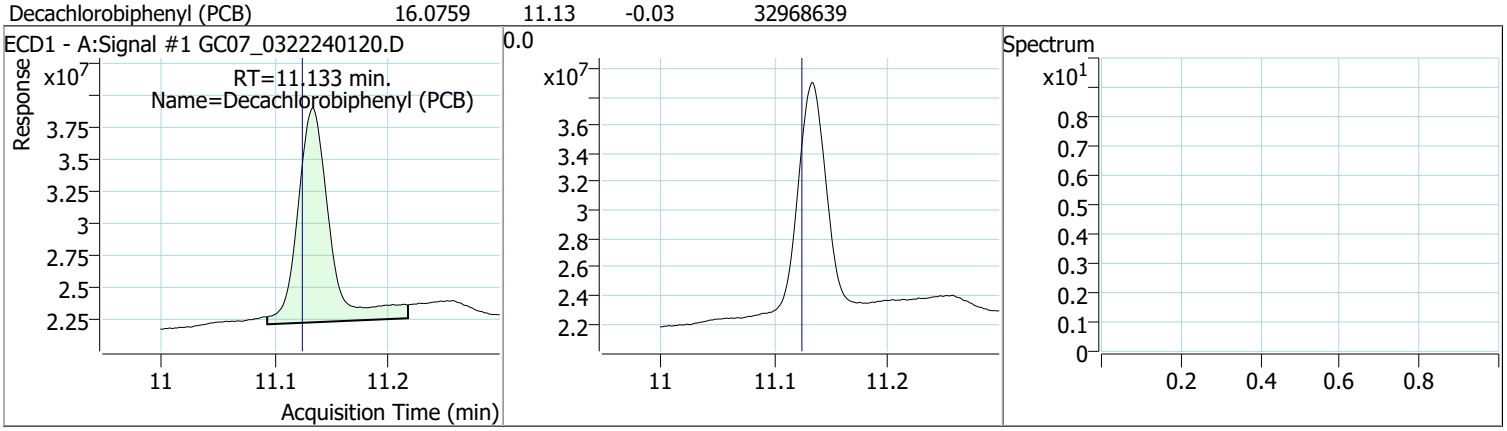
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	197.8905	10.16	-0.12	3767421				



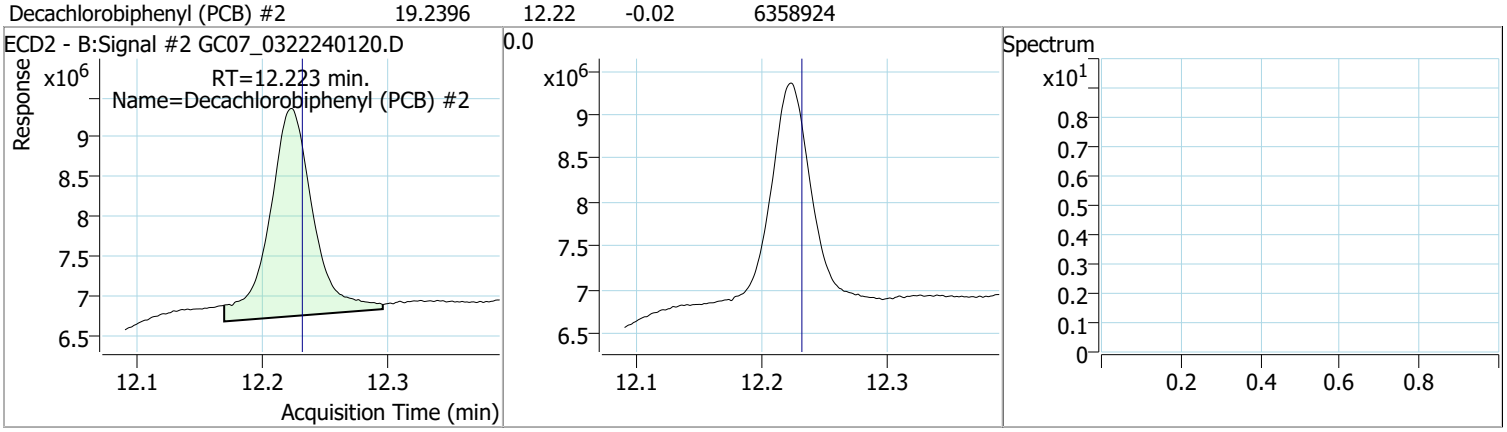
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	47.7182	11.01	0.06	1258386				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	16.0759	11.13	-0.03	32968639				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.2396	12.22	-0.02	6358924				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	504506-017	Client ID:	AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-P-LA
Seqnum:	464118734121	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_0322240121	Batch:	335940	Time:	22-MAR-2024 17:08
Cal:	464104819001	Caldate:	13-MAR-2024		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	60.13	ug/L	~~0.60~~ ~~FP~~	0.89	39%	0.50		x u
Aroclor-1016 Peak # 1	B	47.38	ug/L	0.47	0.75	45%			
Aroclor-1016 Peak # 2	B	66.22	ug/L	0.66	0.29	77%			
Aroclor-1016 Peak # 3	B	182.0	ug/L	1.82	2.89	45%			
Aroclor-1016 Peak # 4	B	2.126	ug/L	0.02	0.06	93%			
Aroclor-1016 Peak # 5	B	2.962	ug/L	0.03	0.46	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	46.32	ug/L	ND	0.53	13%	0.50		u
Aroclor-1260 Peak # 1	B	6.069	ug/L	0.06	1.54	185%			
Aroclor-1260 Peak # 2	B	3.698	ug/L	0.04	0.02	53%			
Aroclor-1260 Peak # 3	B	11.54	ug/L	0.12	0.10	17%			
Aroclor-1260 Peak # 4	B	205.4	ug/L	2.05	0.95	74%			
Aroclor-1260 Peak # 5	B	4.935	ug/L	0.05	0.02	72%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	30.57	pg/uL	0.5000	0.3057	61	19-121	u
Decachlorobiphenyl (PCB)	B	20.74	pg/uL	0.5000	0.2074	41	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	6358358	-9.29
1-bromo-2-nitrobenzene (PCB)	A	36910905	34056969	-7.73

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.68	0.00

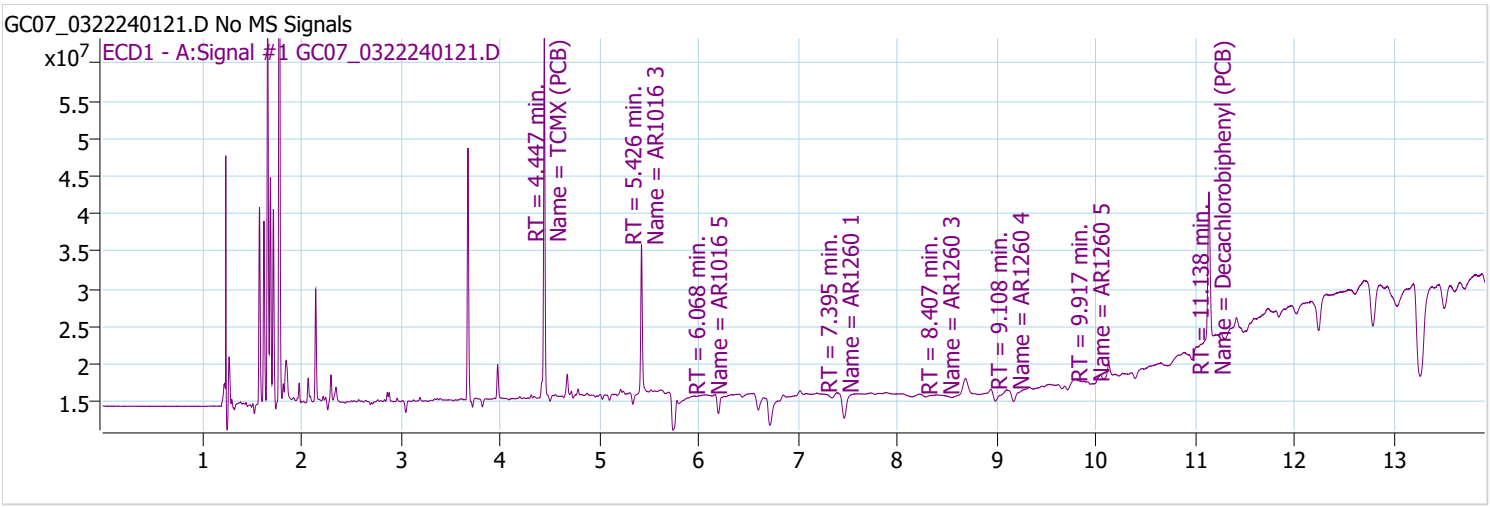
03/24/24 : WIPE/1-10ML

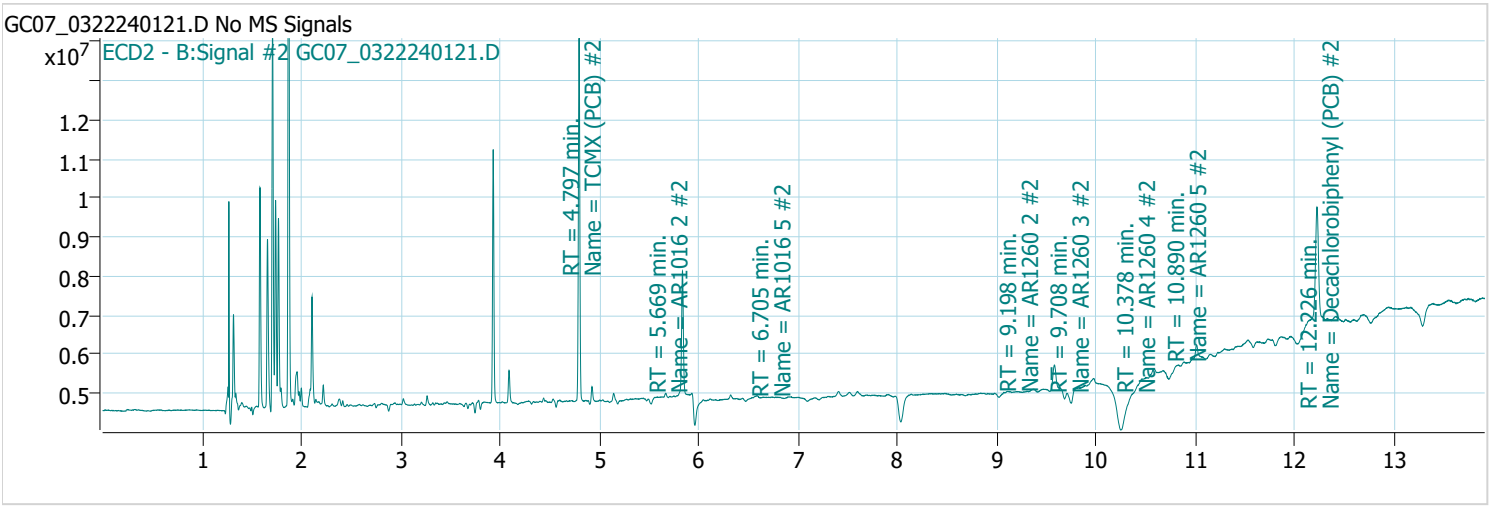
u=use x=false positive

Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240121.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 5:08:52 PM
Sample Name	504506-017, 335940, 1	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



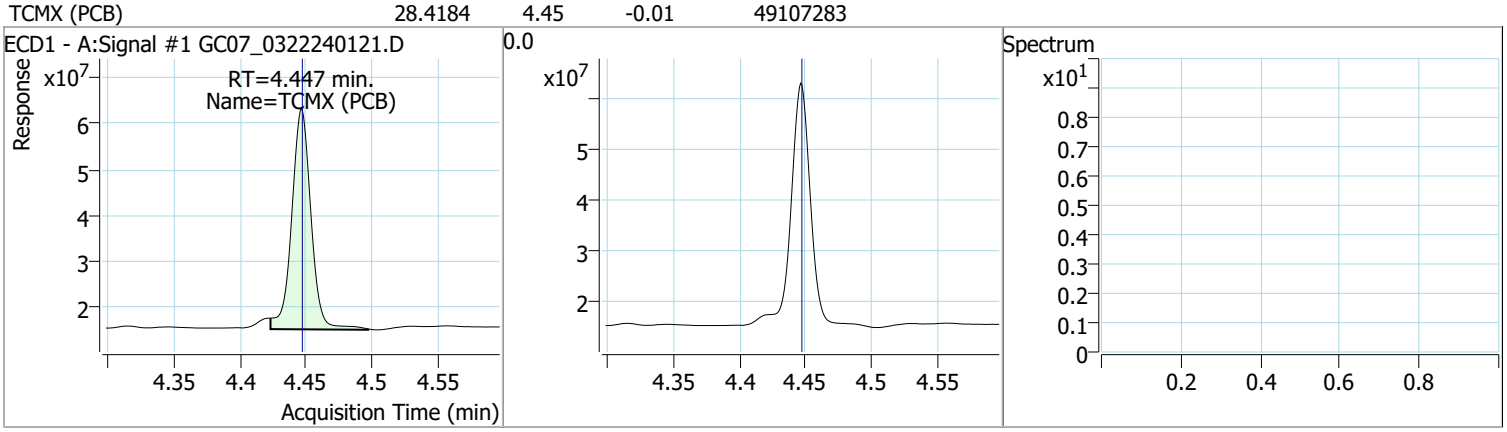


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.678	0.0	34056969.199	20.0000	ng/ml		-0.009
M 1-bromo-2-nitrobenzene (PCB) #2	3.933	0.0	6358357.643	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.447	0.0	49107283.125	28.4184	ng/ml		-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.09%			
S TCMX (PCB) #2	4.797	0.0	9777008.332	30.5732	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 152.87%		*	
S Decachlorobiphenyl (PCB)	11.138	0.0	34846763.504	15.9162	ng/ml		-0.024
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 79.58%			
S Decachlorobiphenyl (PCB) #2	12.226	0.0	7260955.612	20.7410	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 103.70%			
Target Compounds							QValue

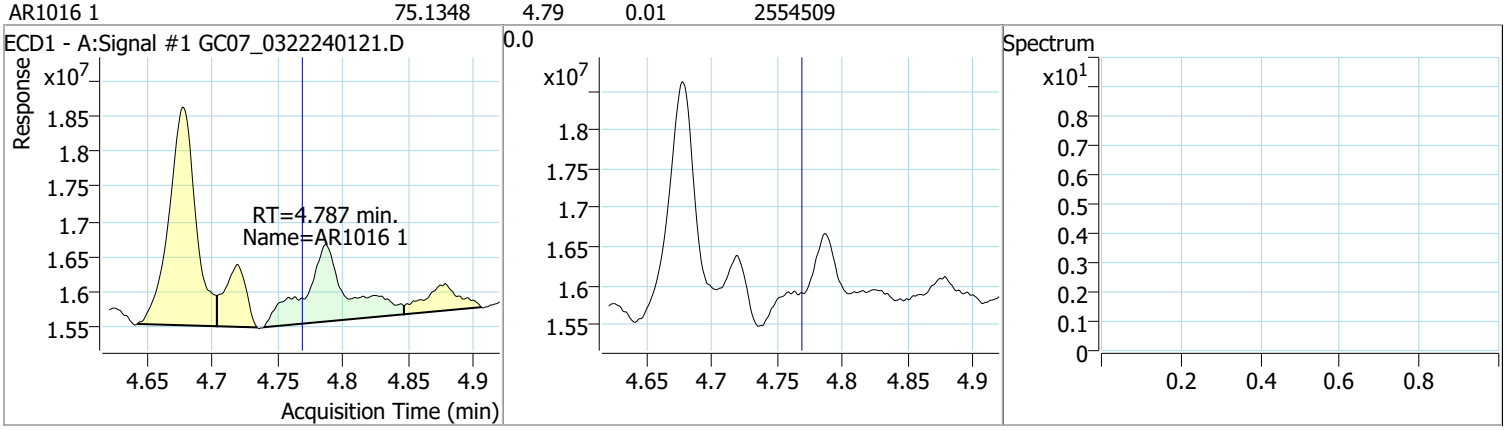
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.787	0.0	2554509.276	75.1348	ng/ml	100
T AR1016 2	5.077	0.0	1841371.875	29.2378	ng/ml	100
T AR1016 1 #2	5.318	0.0	321869.990	47.3814	ng/ml	100
T AR1016 3	5.426	0.0	25221236.775	288.8964	ng/ml	100
T AR1016 4	5.555	0.0	340538.707	5.8473	ng/ml	100
T AR1016 2 #2	5.669	0.0	934910.489	66.2155	ng/ml	100
T AR1016 5	6.068	0.0	2268907.197	46.1504	ng/ml	100
T AR1016 3 #2	6.113	0.0	3337210.339	181.9742	ng/ml	100
T AR1016 4 #2	6.168	0.0	25818.147	2.1257	ng/ml	100
T AR1016 5 #2	6.705	0.0	30565.538	2.9621	ng/ml	100
T AR1260 1	7.395	0.0	15826826.963	153.8050	ng/ml	100
T AR1260 2	7.813	0.0	356567.750	2.1427	ng/ml	100
T AR1260 3	8.407	0.0	1786553.696	9.7750	ng/ml	100
T AR1260 1 #2	8.839	0.0	143776.443	6.0690	ng/ml	100
T AR1260 4	9.108	0.0	9697320.898	94.6447	ng/ml	100
T AR1260 2 #2	9.198	0.0	94599.074	3.6985	ng/ml	100
T AR1260 3 #2	9.708	0.0	360618.512	11.5363	ng/ml	100
T AR1260 5	9.917	0.0	285738.188	2.3261	ng/ml	100
T AR1260 4 #2	10.378	0.0	4141468.582	205.3799	ng/ml	100
T AR1260 5 #2	10.890	0.0	137837.805	4.9347	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

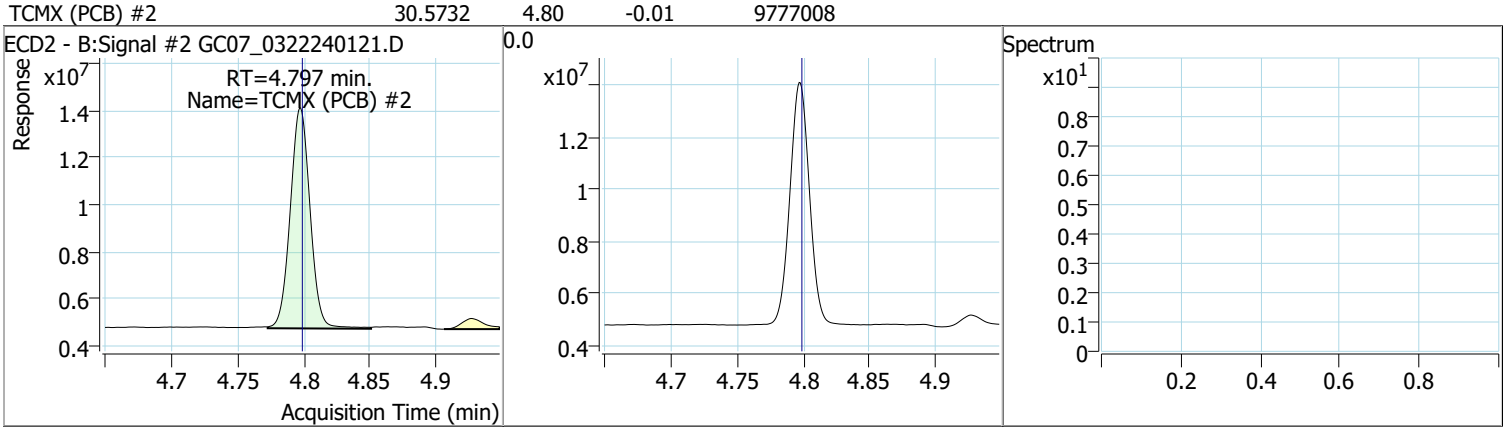
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	28.4184	4.45	-0.01	49107283				



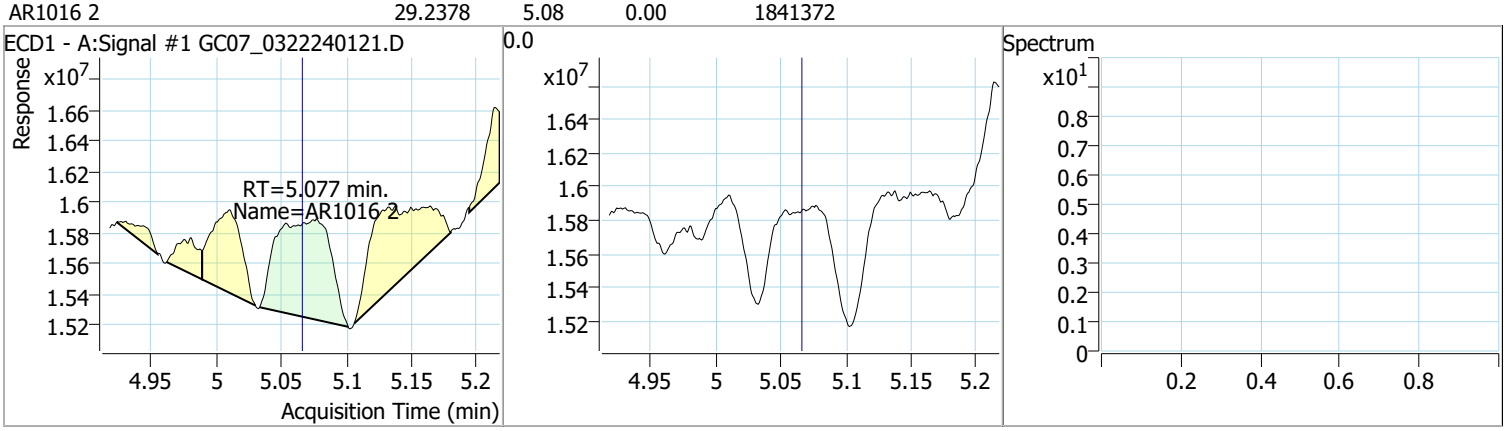
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	75.1348	4.79	0.01	2554509				



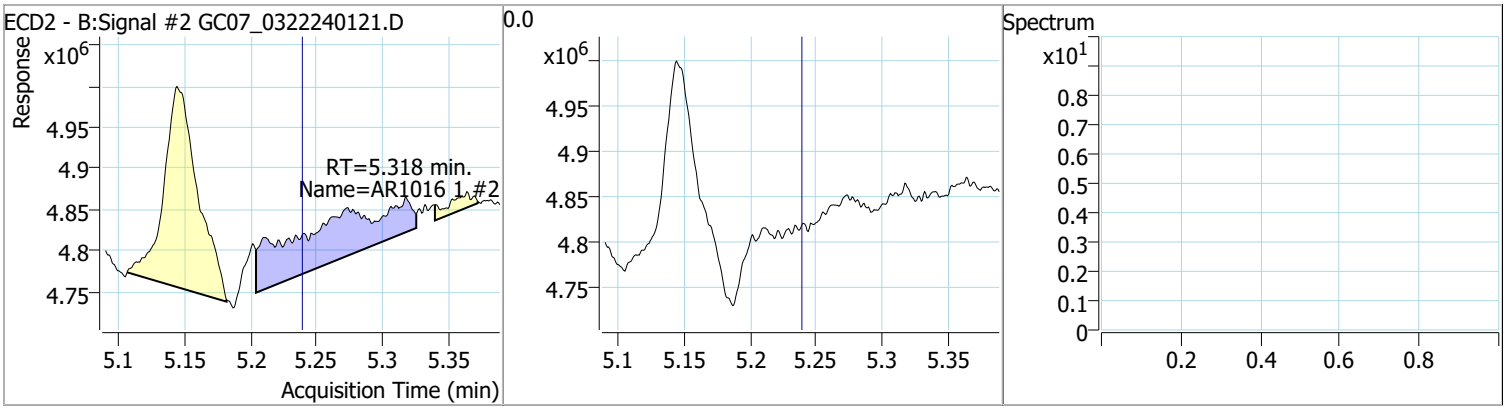
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.5732	4.80	-0.01	9777008				



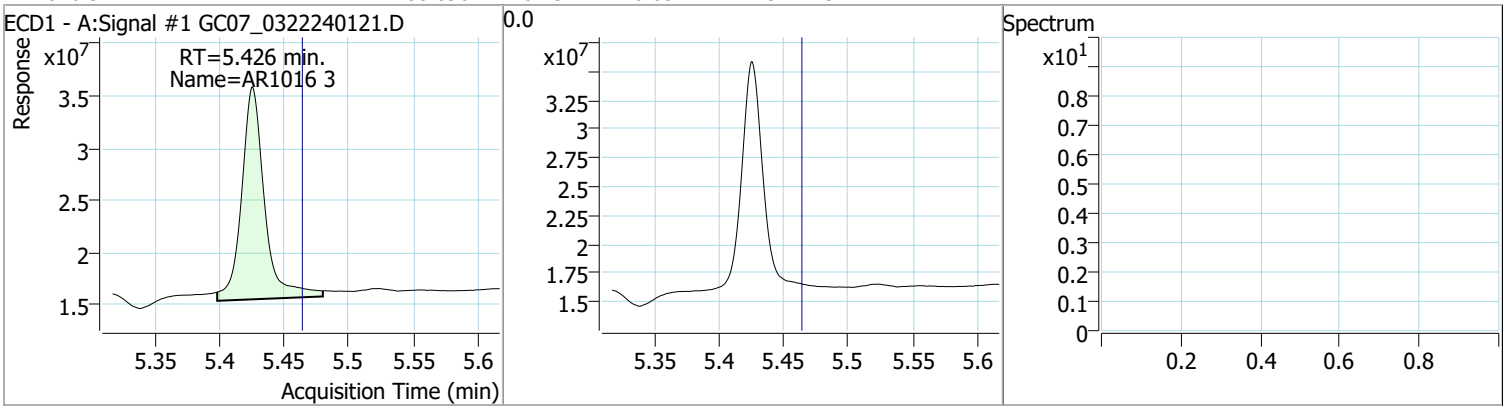
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	29.2378	5.08	0.00	1841372				



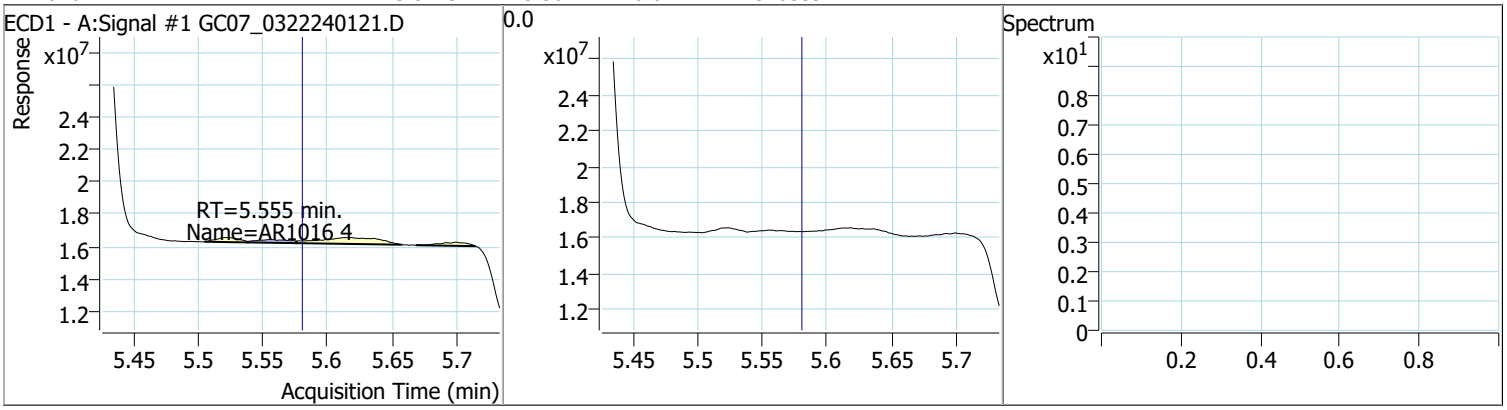
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	47.3814	5.32	0.07	321870				



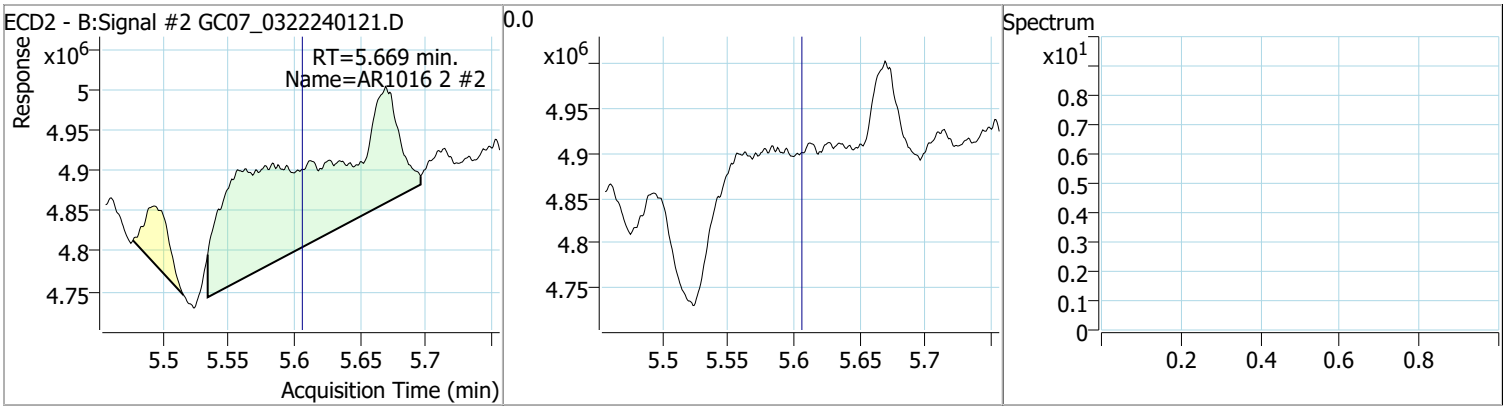
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	288.8964	5.43	-0.05	25221237				



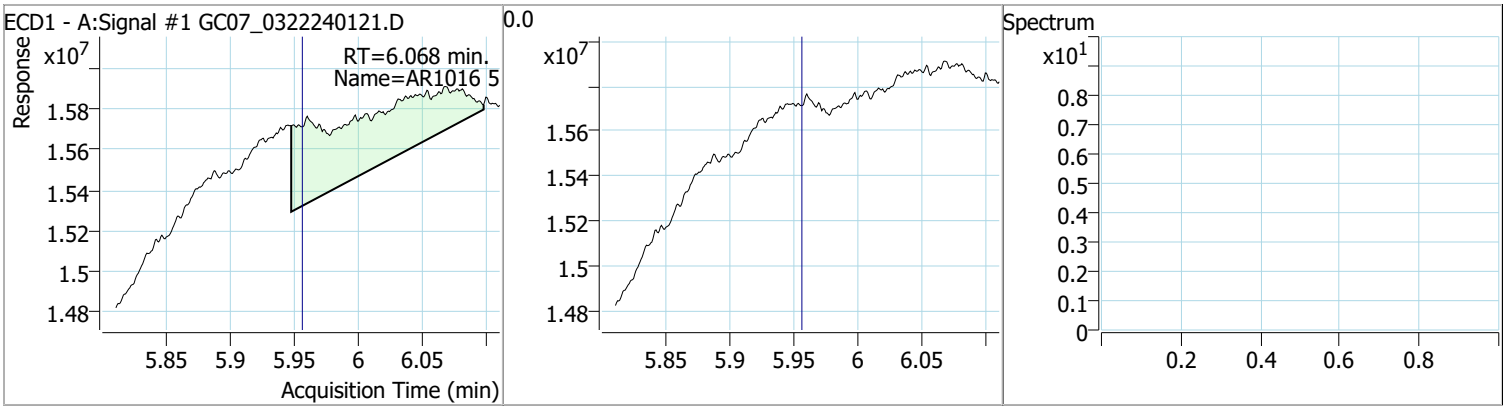
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	5.8473	5.56	-0.04	340539				



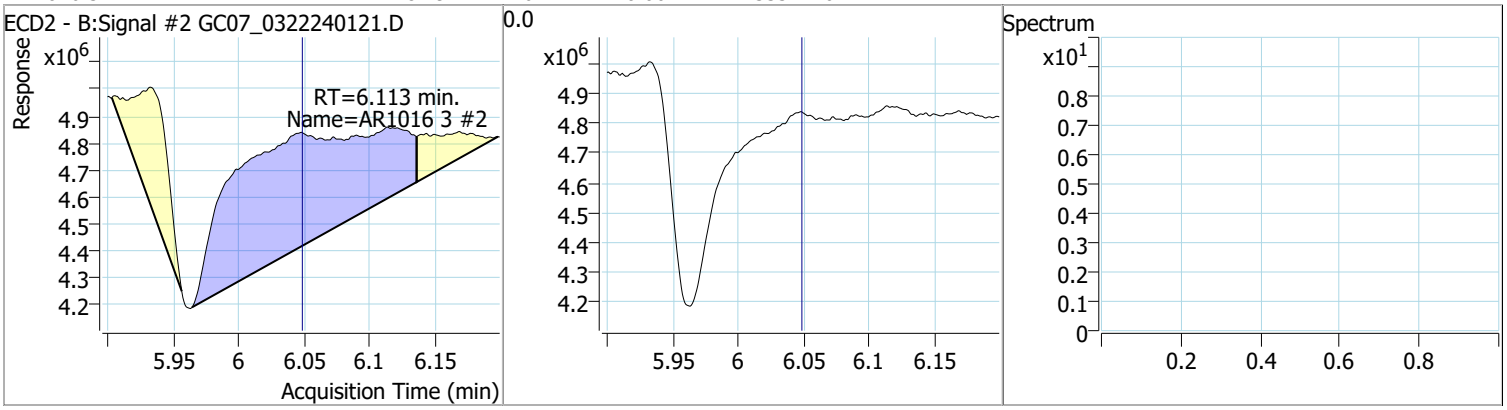
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	66.2155	5.67	0.06	934910				



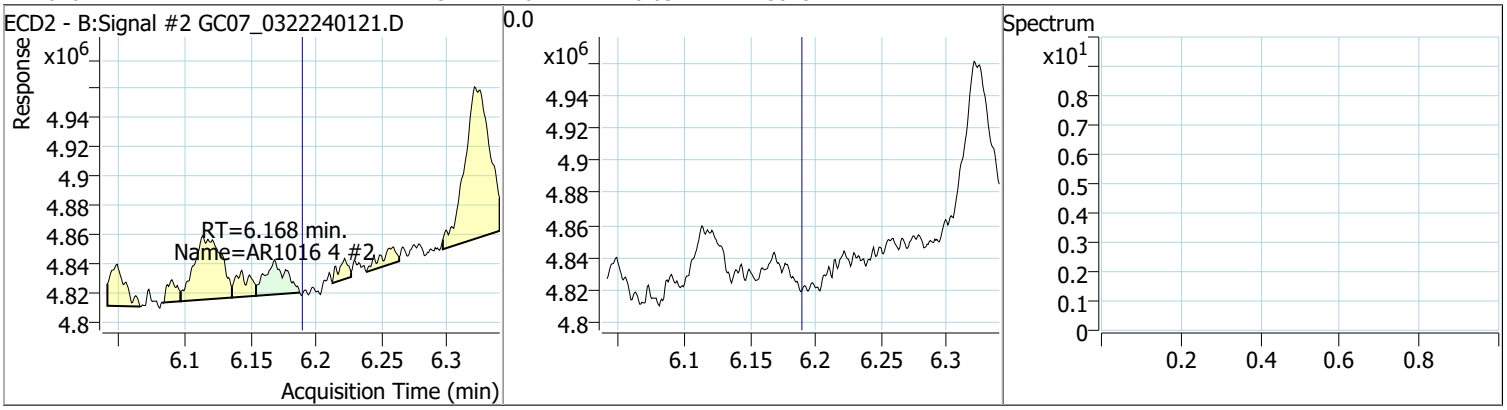
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	46.1504	6.07	0.10	2268907				



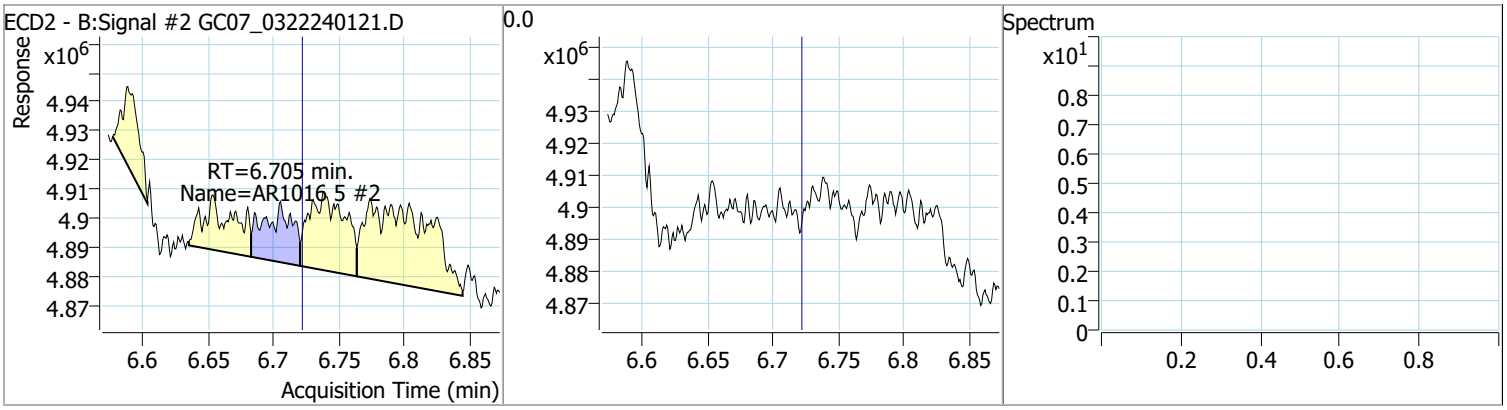
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	181.9742	6.11	0.06	3337210				



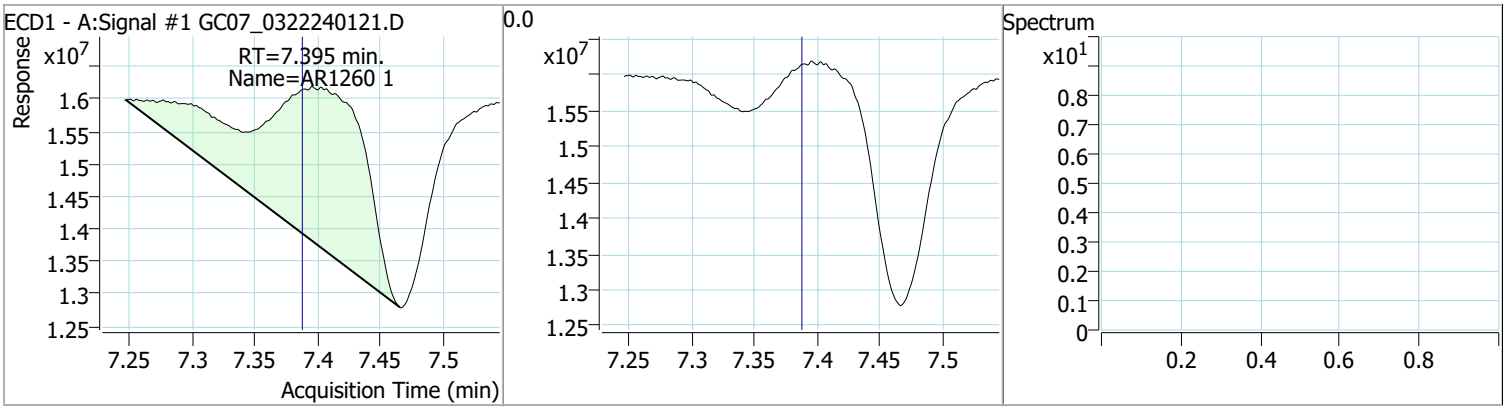
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.1257	6.17	-0.03	25818				



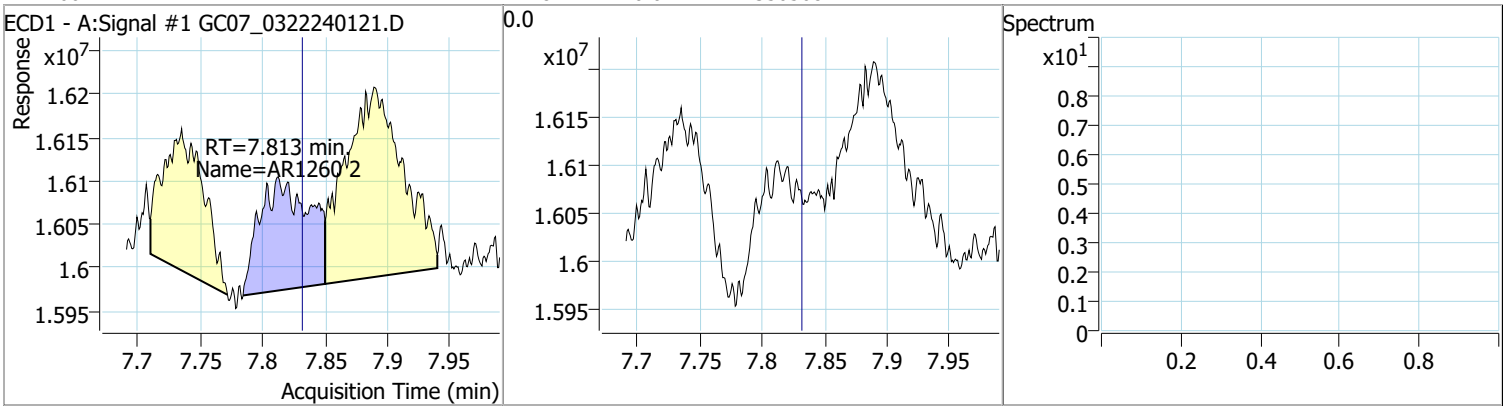
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.9621	6.71	-0.02	30566				



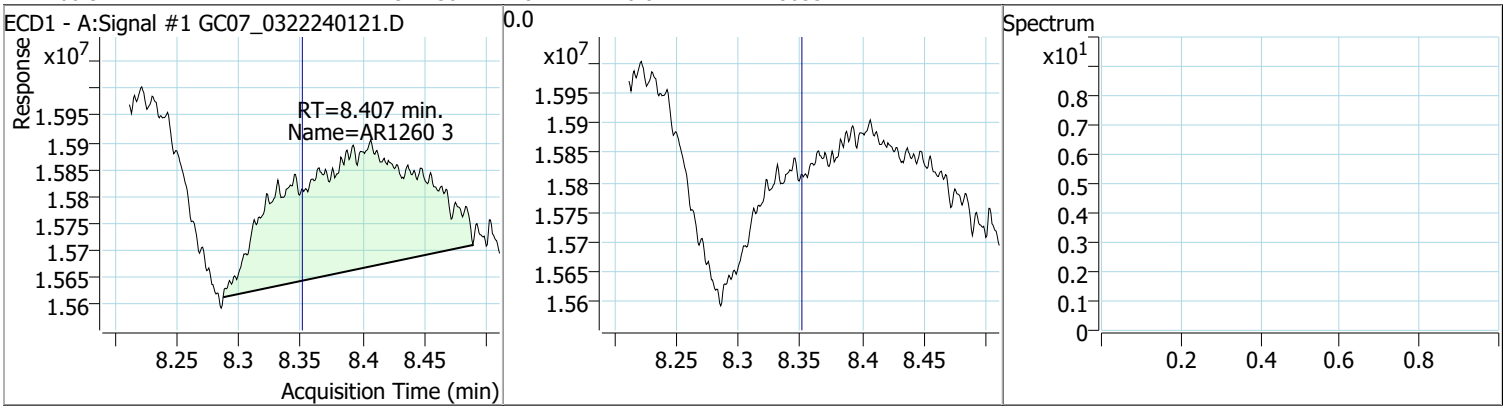
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	153.8050	7.40	-0.01	15826827				



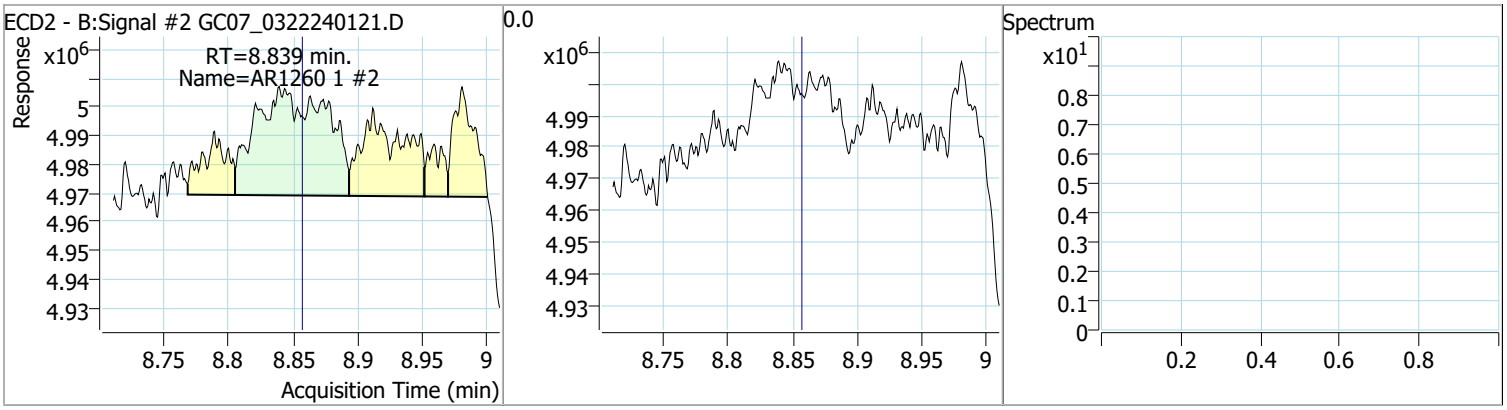
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.1427	7.81	-0.04	356568				



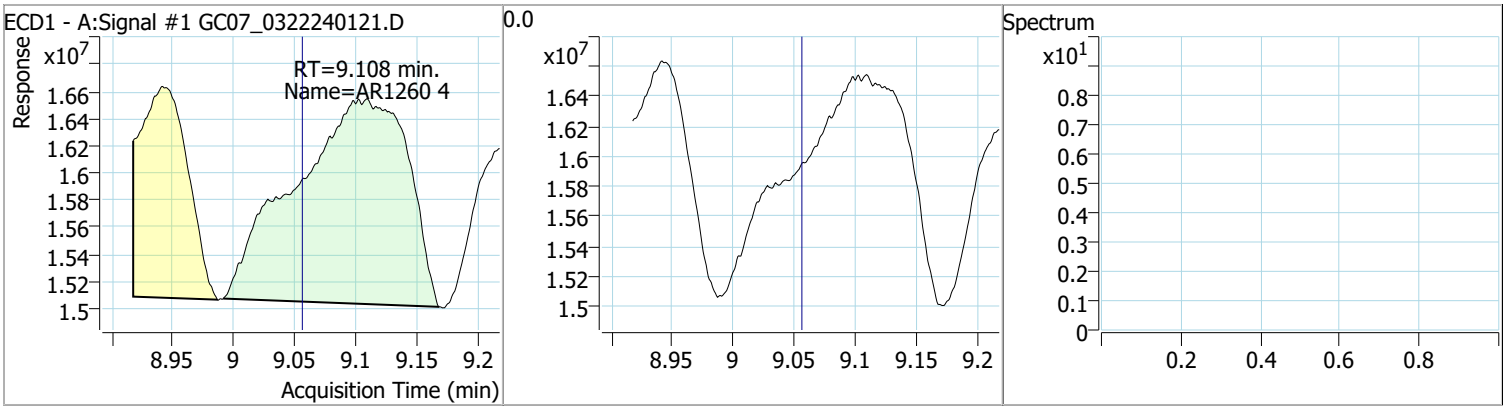
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	9.7750	8.41	0.04	1786554				



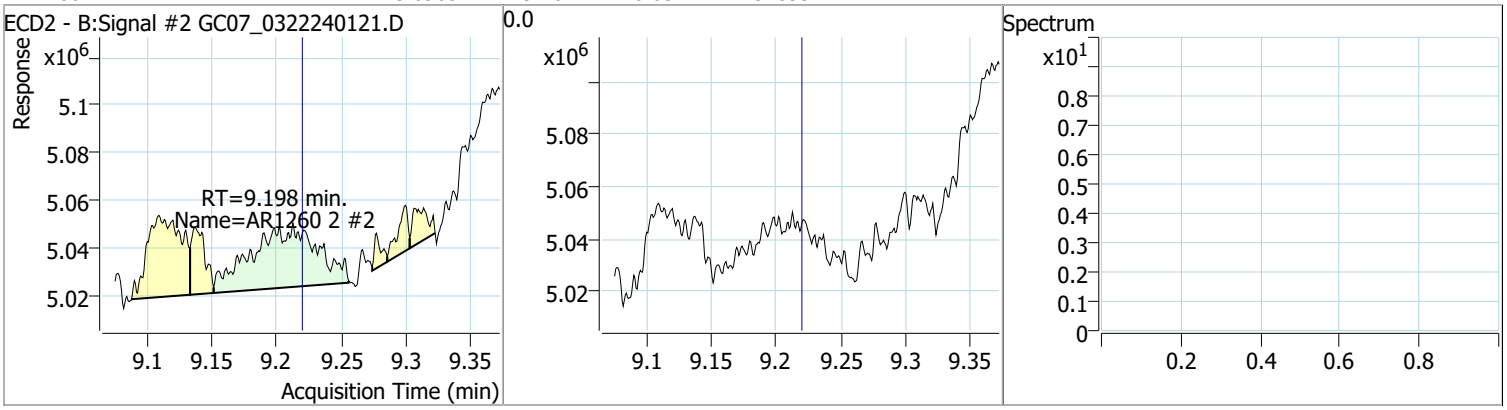
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	6.0690	8.84	-0.02	143776				



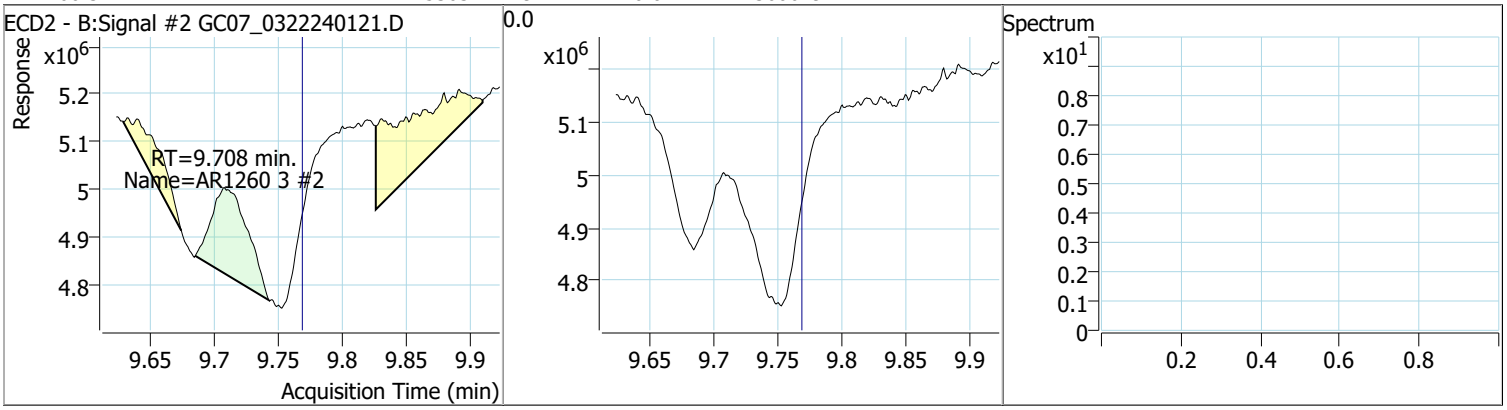
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	94.6447	9.11	0.03	9697321				



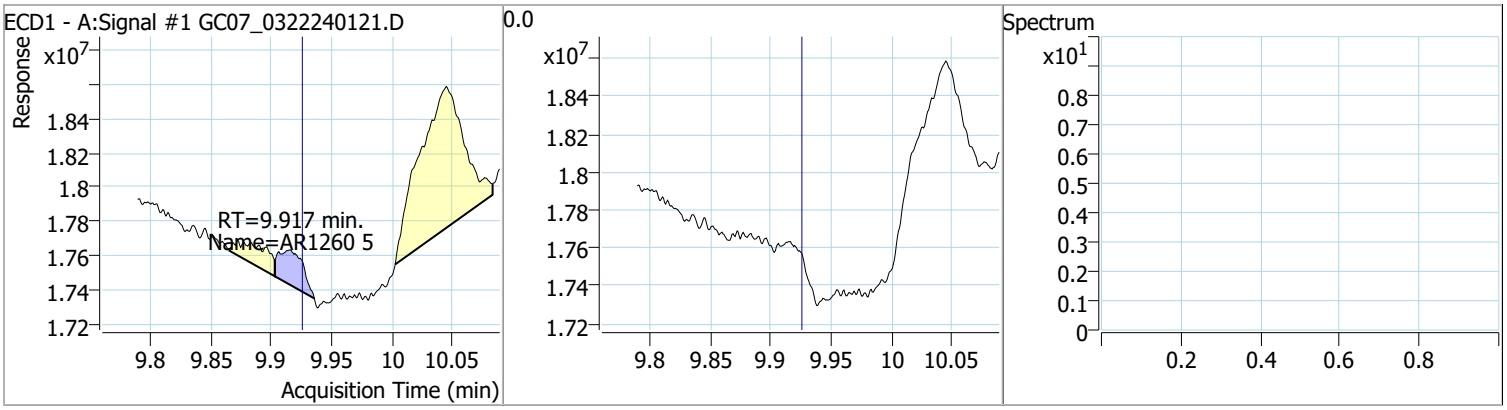
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.6985	9.20	-0.03	94599				



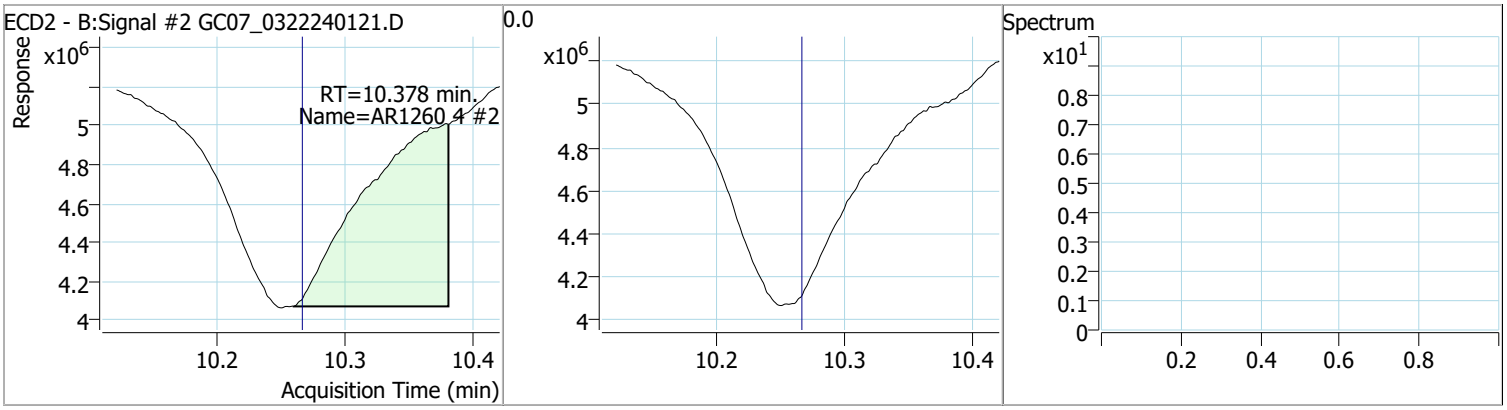
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.5363	9.71	-0.07	360619				



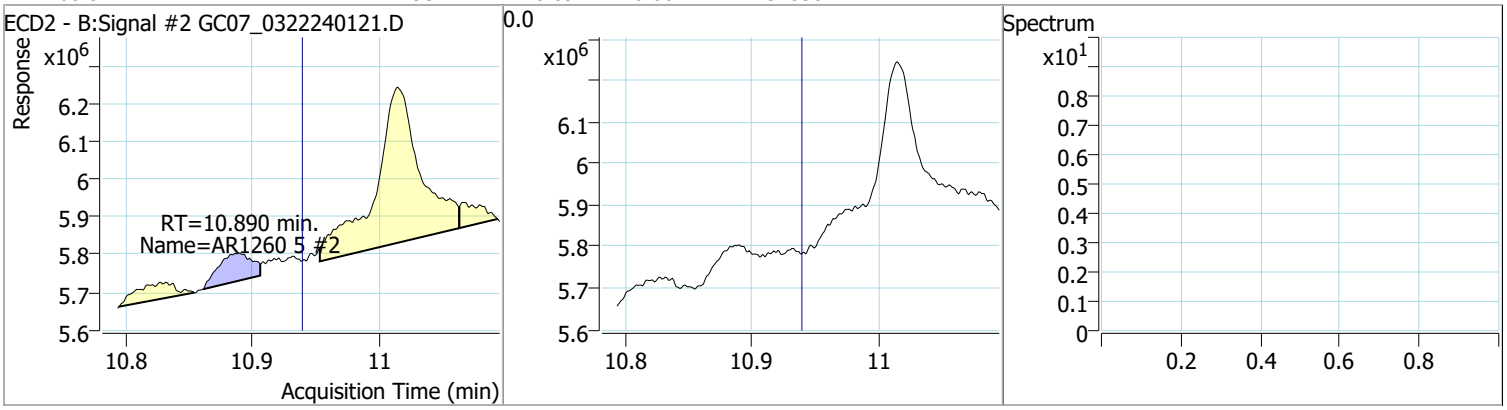
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	2.3261	9.92	-0.03	285738				



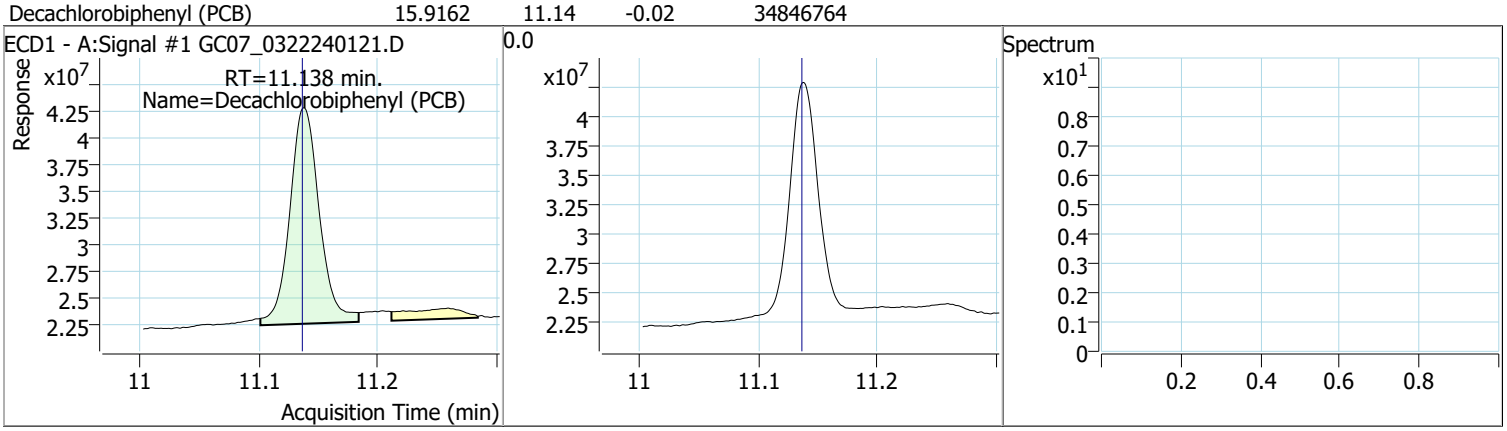
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	205.3799	10.38	0.10	4141469				



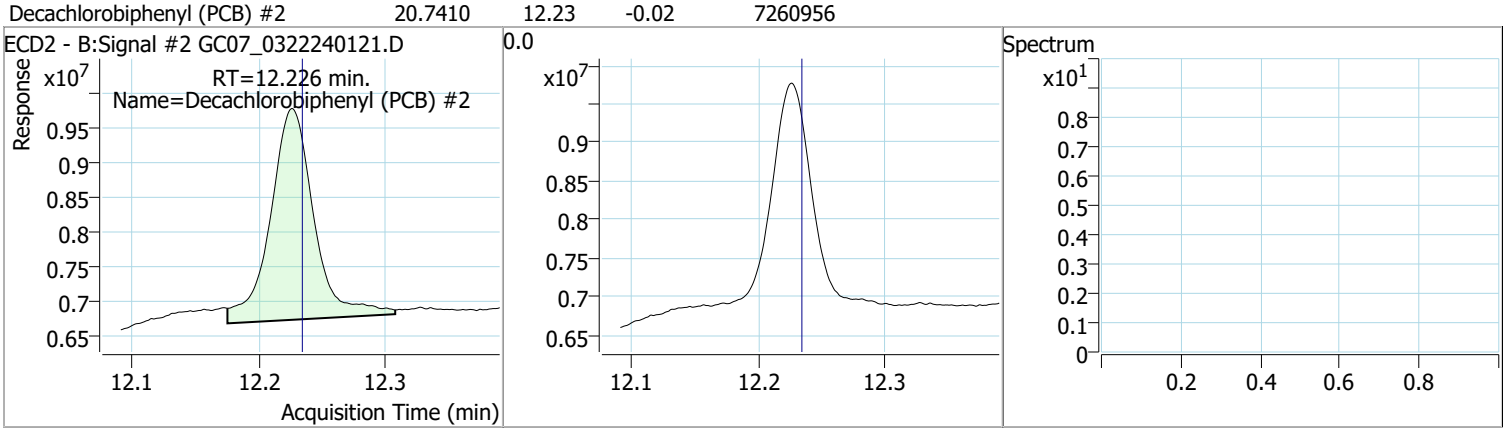
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	4.9347	10.89	-0.06	137838				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	15.9162	11.14	-0.02	34846764				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.7410	12.23	-0.02	7260956				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	504506-019	Client ID:	AFRAME-C14W-MED-L2-HS-1-240315-P-G
Seqnum:	464118734122	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_0322240122	Batch:	335940	Time:	22-MAR-2024 17:29
Cal:	464104819001	Caldate:	13-MAR-2024		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	64.55	ug/L	~~0.65~~ FP	0.78	19%	0.50		x u
Aroclor-1016 Peak # 1	B	57.84	ug/L	0.58	0.63	8%			
Aroclor-1016 Peak # 2	B	47.42	ug/L	0.47	0.23	69%			
Aroclor-1016 Peak # 3	B	195.4	ug/L	1.95	2.43	22%			
Aroclor-1016 Peak # 4	B	0.7680	ug/L	0.01	0.06	155%			
Aroclor-1016 Peak # 5	B	21.36	ug/L	0.21	0.57	91%			
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	52.36	ug/L	~~0.52~~ FP	0.54	4%	0.50		x u
Aroclor-1260 Peak # 1	B	11.19	ug/L	0.11	1.53	173%			
Aroclor-1260 Peak # 2	B	1.341	ug/L	0.01	0.02	12%			
Aroclor-1260 Peak # 3	B	10.95	ug/L	0.11	0.06	61%			
Aroclor-1260 Peak # 4	B	197.4	ug/L	1.97	1.01	65%			
Aroclor-1260 Peak # 5	B	40.94	ug/L	0.41	0.11	117%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	26.49	pg/uL	0.5000	0.2649	53	19-121	u
Decachlorobiphenyl (PCB)	B	19.37	pg/uL	0.5000	0.1937	39	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	5596597	-20.16
1-bromo-2-nitrobenzene (PCB)	A	36910905	29643268	-19.69

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.68	0.00

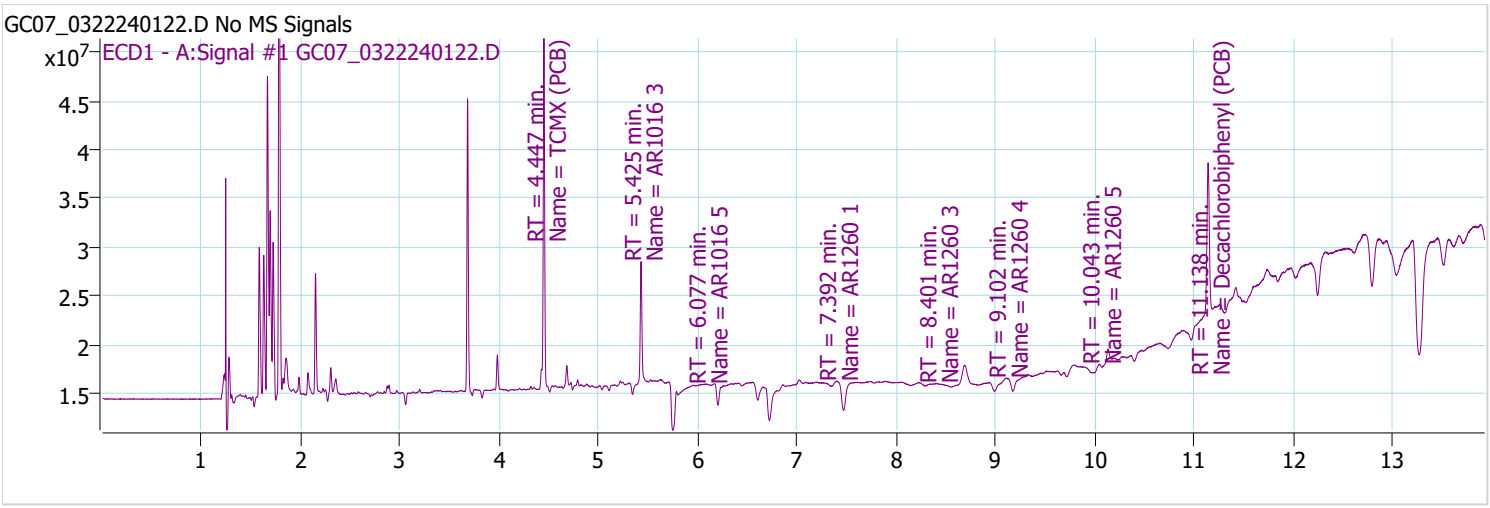
03/24/24 : WIPE/1-10ML

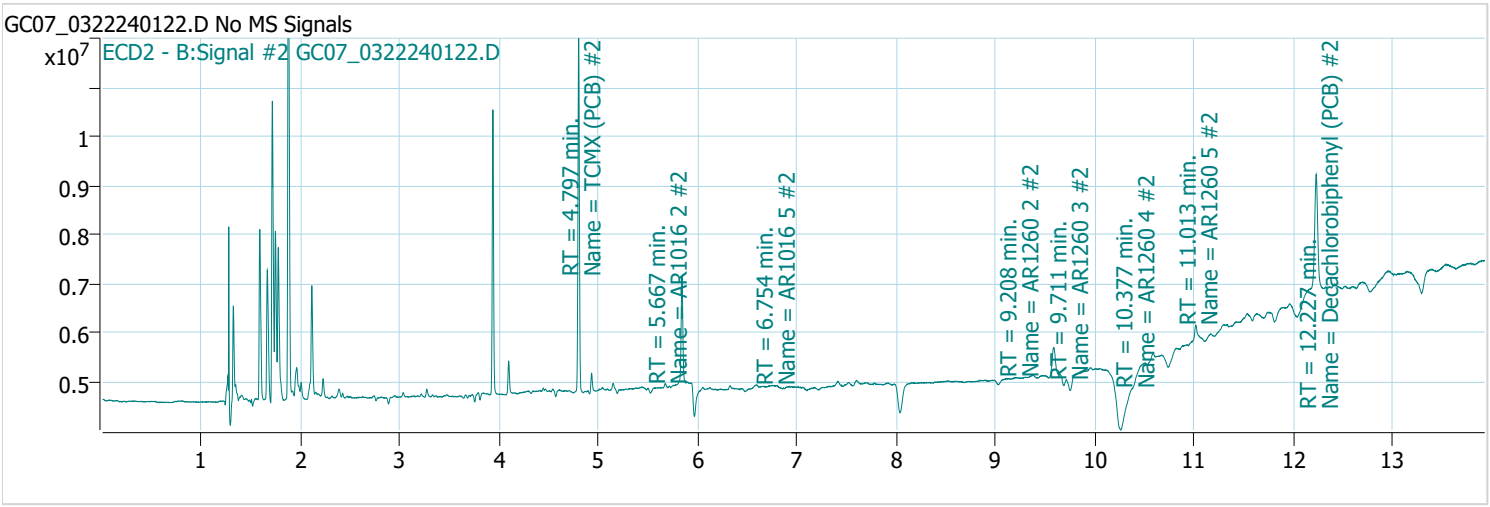
u=use x=false positive

Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240122.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 5:29:48 PM
Sample Name	504506-019, 335940, 1	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



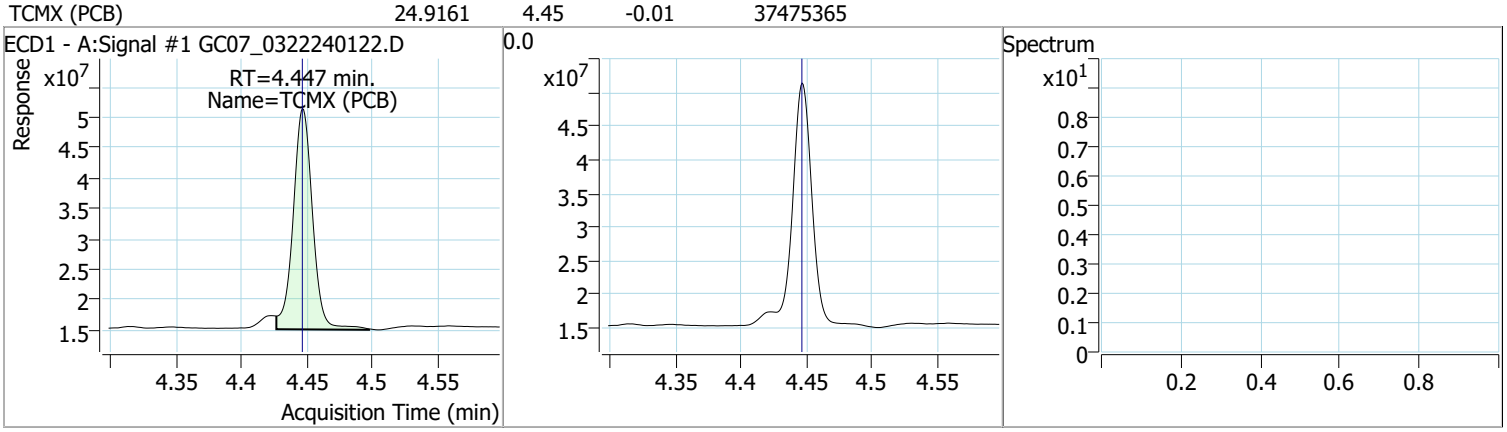


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.678	0.0	29643268.359	20.0000	ng/ml	-0.009
M 1-bromo-2-nitrobenzene (PCB) #2	3.933	0.0	5596596.949	20.0000	ng/ml	-0.003
System Monitoring Compounds						
S TCMX (PCB)	4.447	0.0	37475364.691	24.9161	ng/ml	-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 124.58%		
S TCMX (PCB) #2	4.797	0.0	7456025.021	26.4888	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 132.44%		
S Decachlorobiphenyl (PCB)	11.138	0.0	32100944.567	16.8451	ng/ml	-0.025
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 84.23%		
S Decachlorobiphenyl (PCB) #2	12.227	0.0	5969057.220	19.3715	ng/ml	-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 96.86%		
Target Compounds						QValue

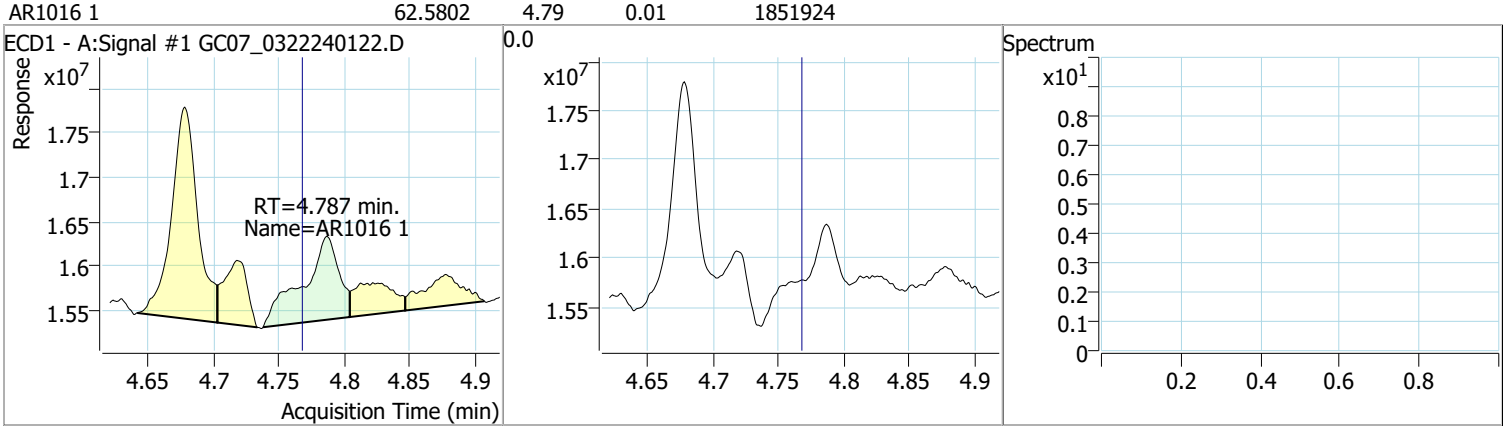
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.787	0.0	1851923.640	62.5802	ng/ml	100
T AR1016 2	5.068	0.0	1261115.779	23.0058	ng/ml	100
T AR1016 1 #2	5.311	0.0	345872.299	57.8447	ng/ml	100
T AR1016 3	5.425	0.0	18465655.501	243.0079	ng/ml	100
T AR1016 4	5.559	0.0	306075.743	6.0381	ng/ml	100
T AR1016 2 #2	5.667	0.0	589306.858	47.4190	ng/ml	100
T AR1016 5	6.077	0.0	2444131.691	57.1167	ng/ml	100
T AR1016 3 #2	6.048	0.0	3153385.994	195.3549	ng/ml	100
T AR1016 4 #2	6.163	0.0	8210.458	0.7680	ng/ml	100
T AR1016 5 #2	6.754	0.0	194011.769	21.3608	ng/ml	100
T AR1260 1	7.392	0.0	13668430.984	152.6073	ng/ml	100
T AR1260 2	7.814	0.0	219652.911	1.5165	ng/ml	100
T AR1260 3	8.401	0.0	923738.598	5.8067	ng/ml	100
T AR1260 1 #2	8.898	0.0	233386.076	11.1925	ng/ml	100
T AR1260 4	9.102	0.0	9016060.677	101.0977	ng/ml	100
T AR1260 2 #2	9.208	0.0	30185.834	1.3408	ng/ml	100
T AR1260 3 #2	9.711	0.0	301396.005	10.9541	ng/ml	100
T AR1260 5	10.043	0.0	1141953.003	10.6806	ng/ml	100
T AR1260 4 #2	10.377	0.0	3503262.350	197.3773	ng/ml	100
T AR1260 5 #2	11.013	0.0	1006665.992	40.9449	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

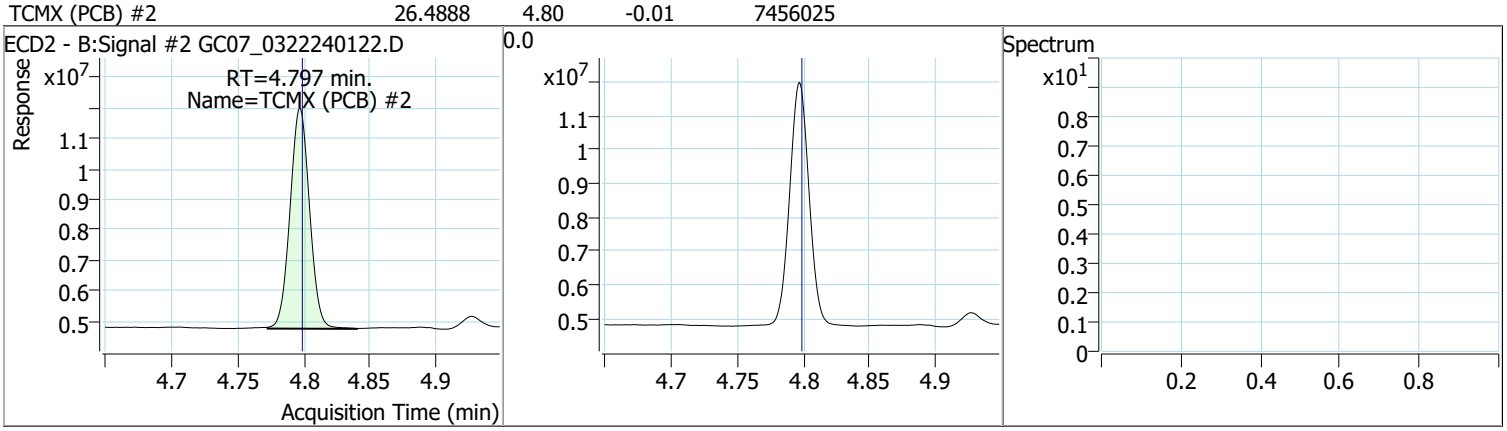
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	24.9161	4.45	-0.01	37475365				



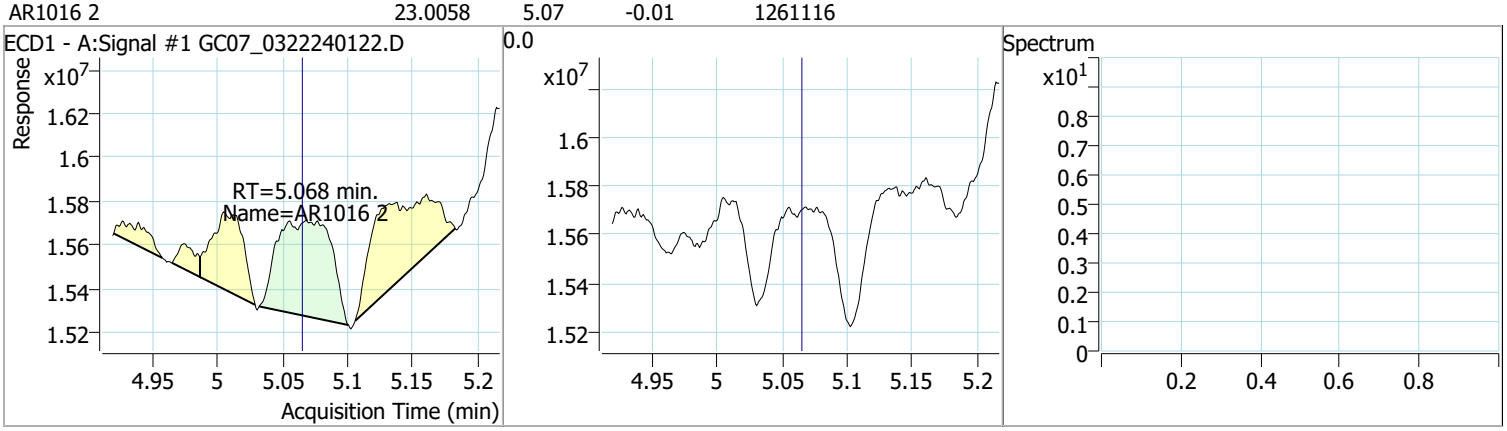
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	62.5802	4.79	0.01	1851924				



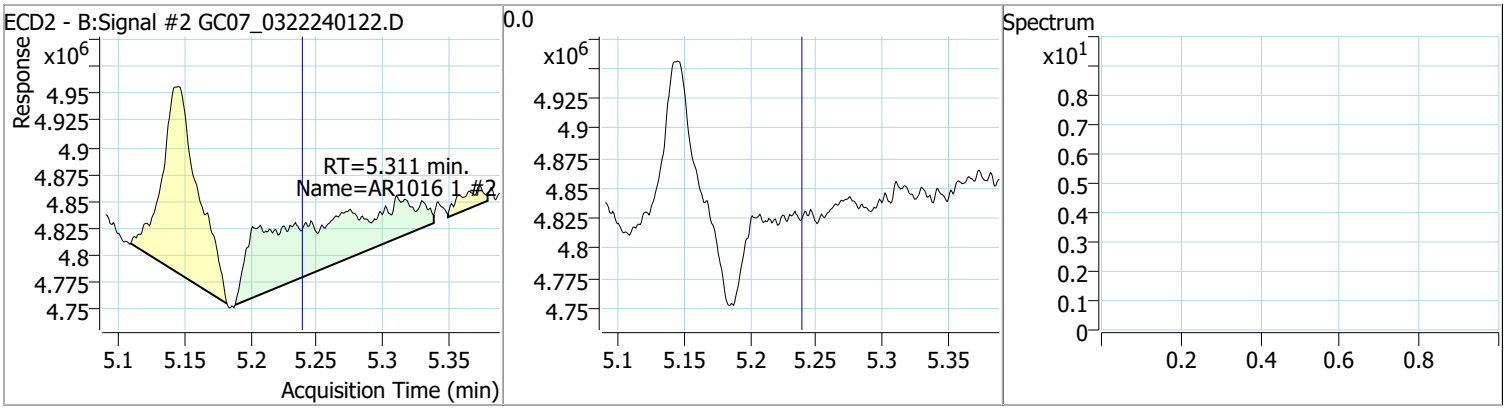
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	26.4888	4.80	-0.01	7456025				



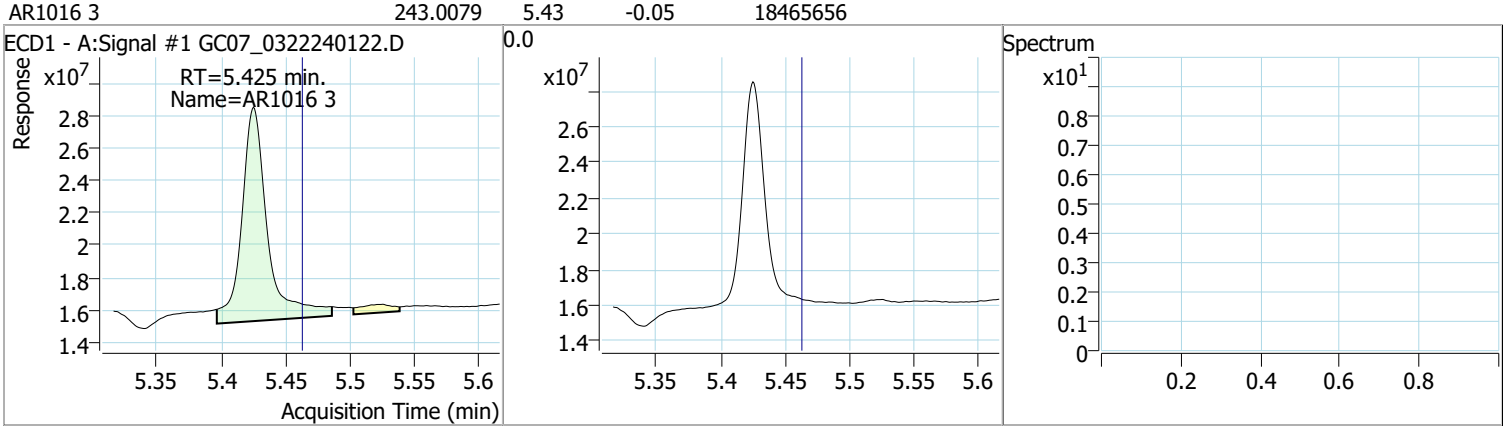
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	23.0058	5.07	-0.01	1261116				



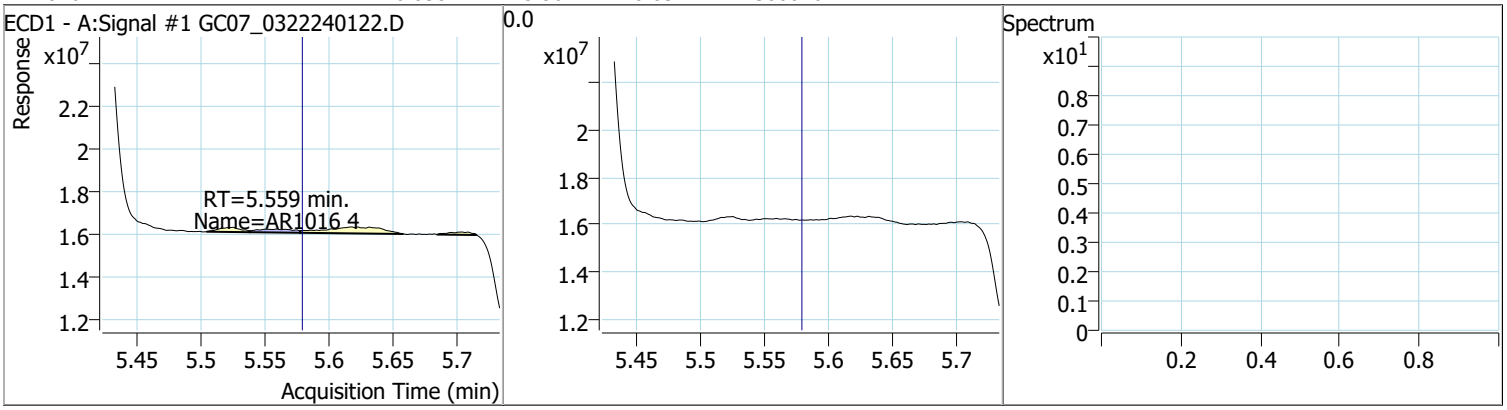
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	57.8447	5.31	0.07	345872				



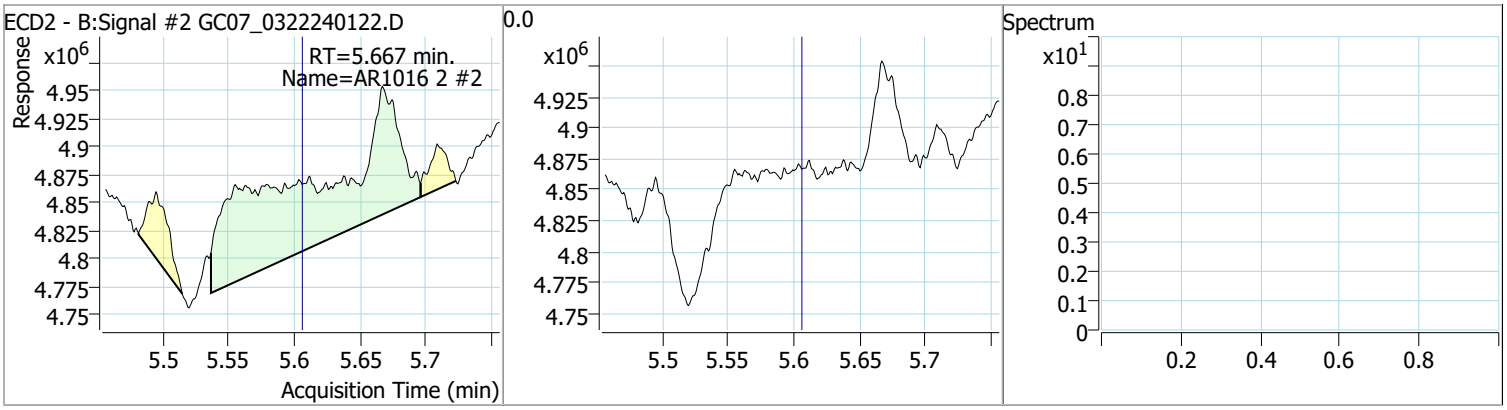
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	243.0079	5.43	-0.05	18465656				



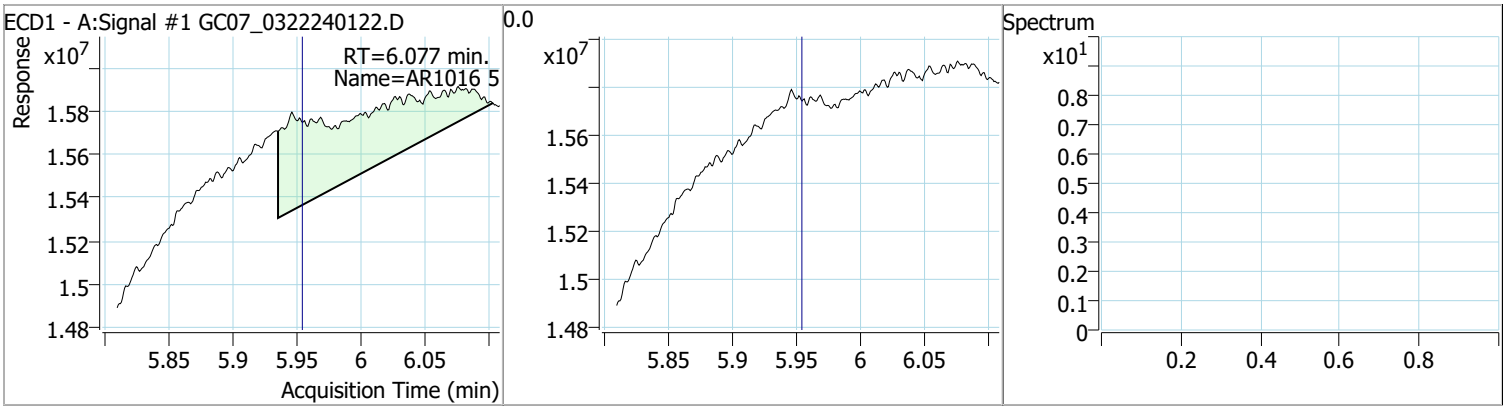
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	6.0381	5.56	-0.03	306076				



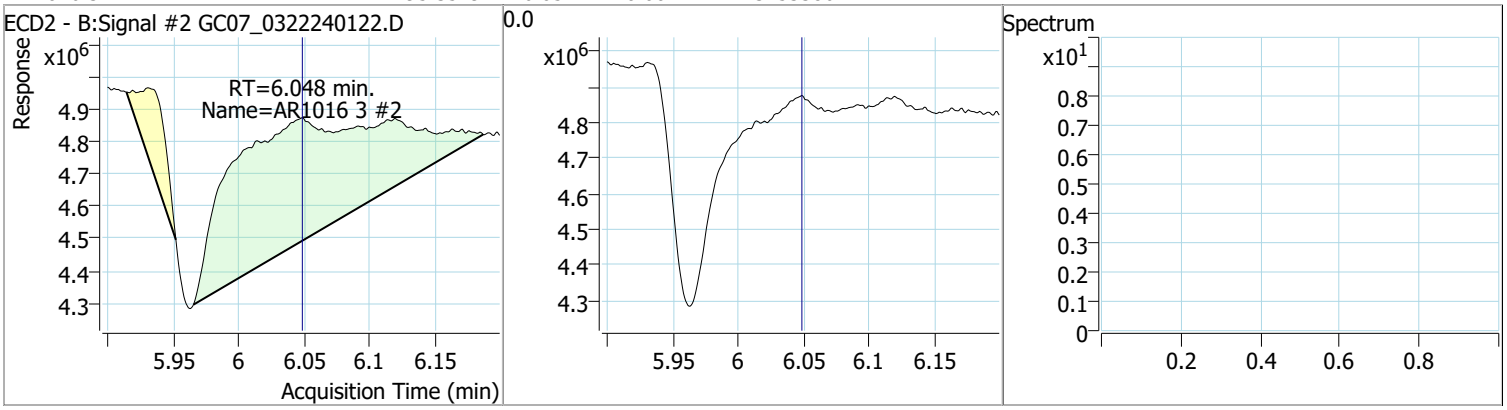
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	47.4190	5.67	0.06	589307				



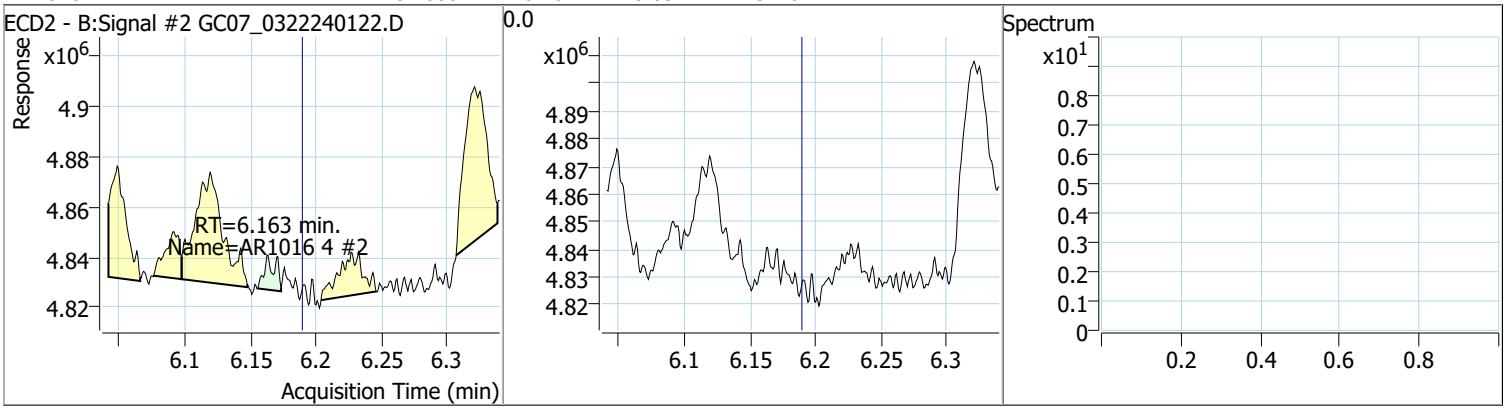
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	57.1167	6.08	0.11	2444132				



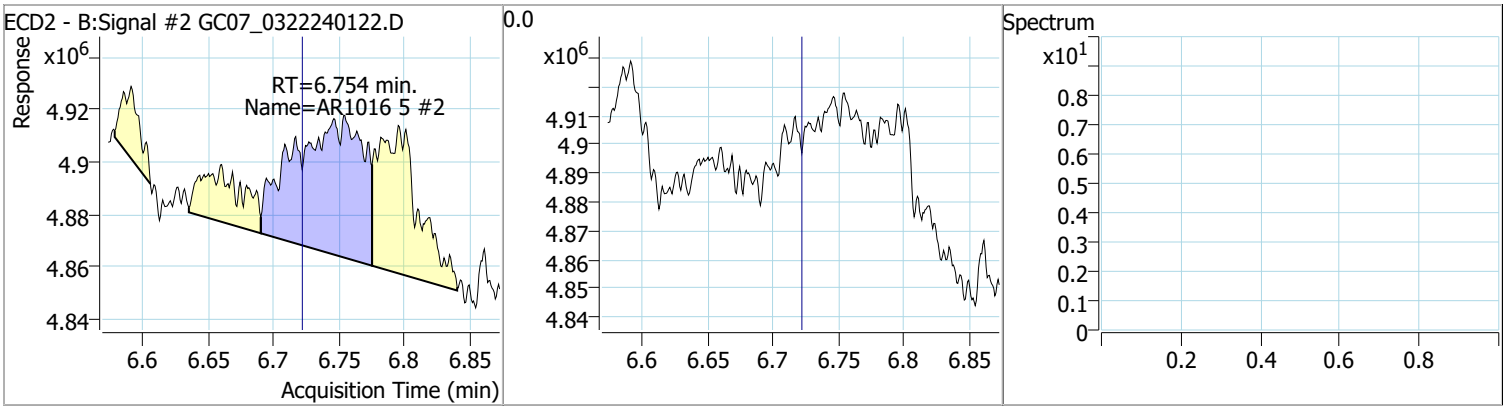
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	195.3549	6.05	0.00	3153386				



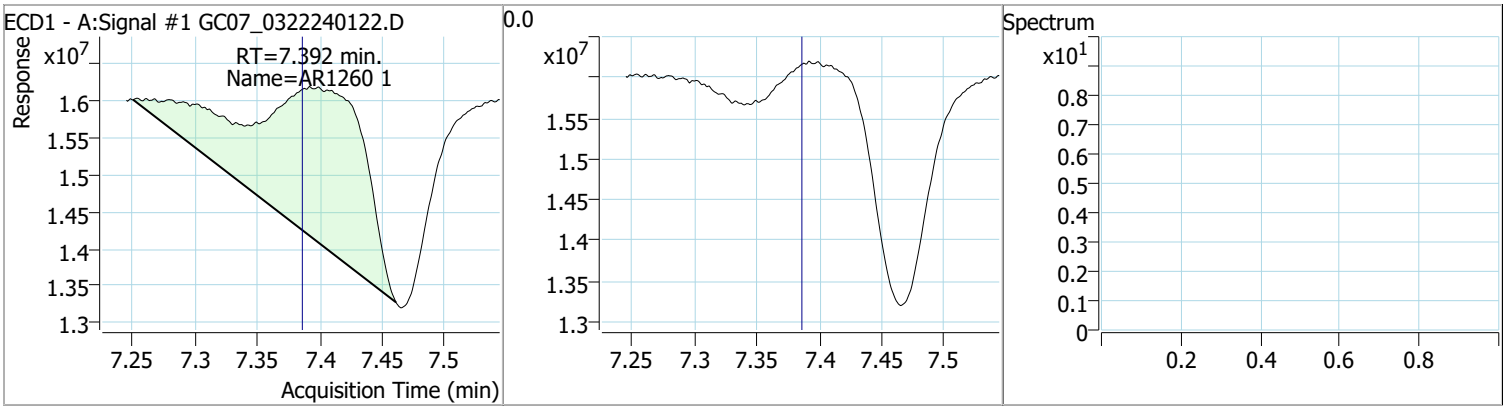
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.7680	6.16	-0.03	8210				



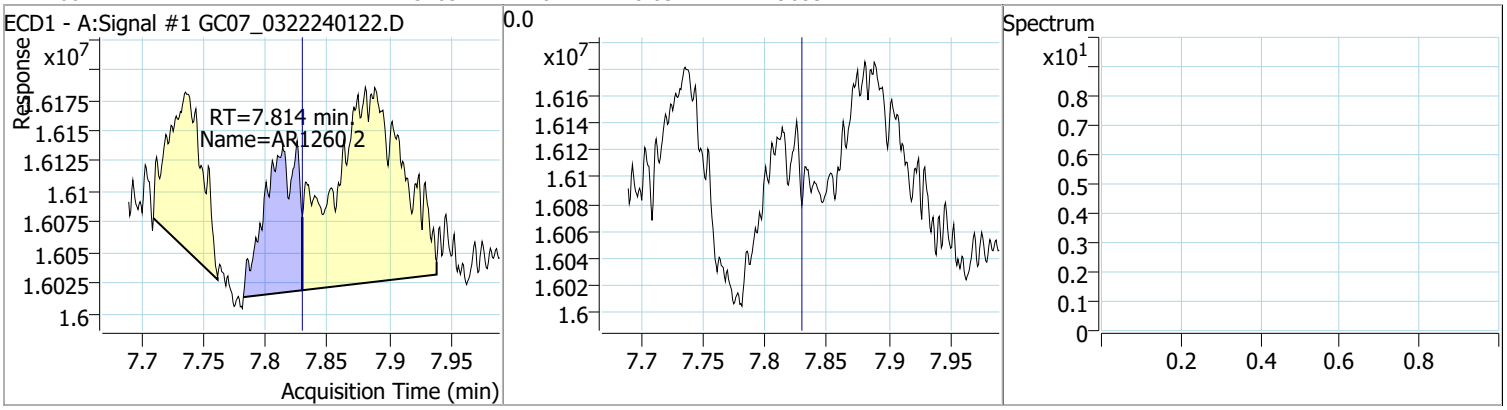
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	21.3608	6.75	0.03	194012				



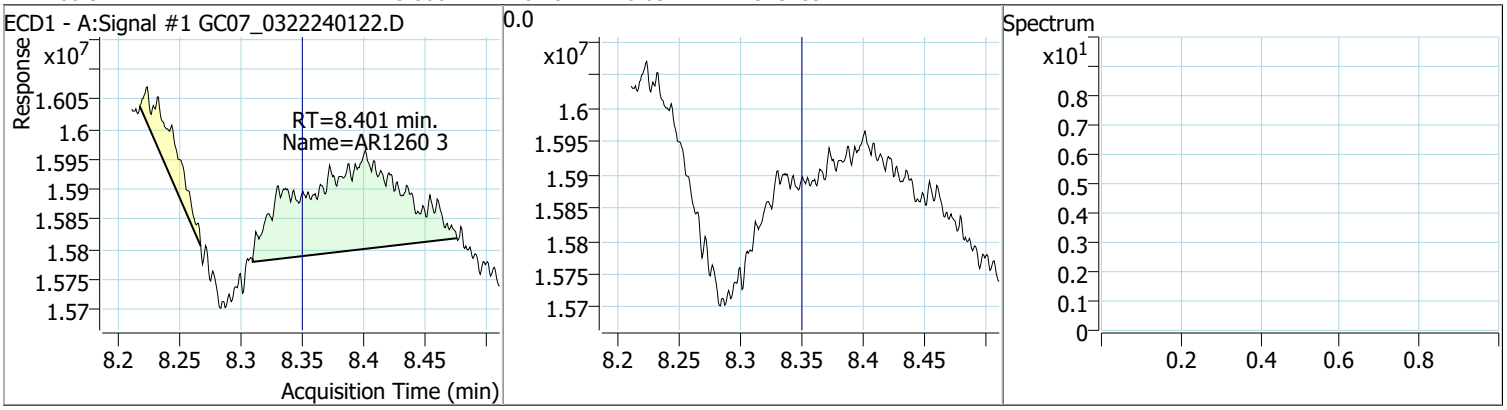
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	152.6073	7.39	-0.01	13668431				



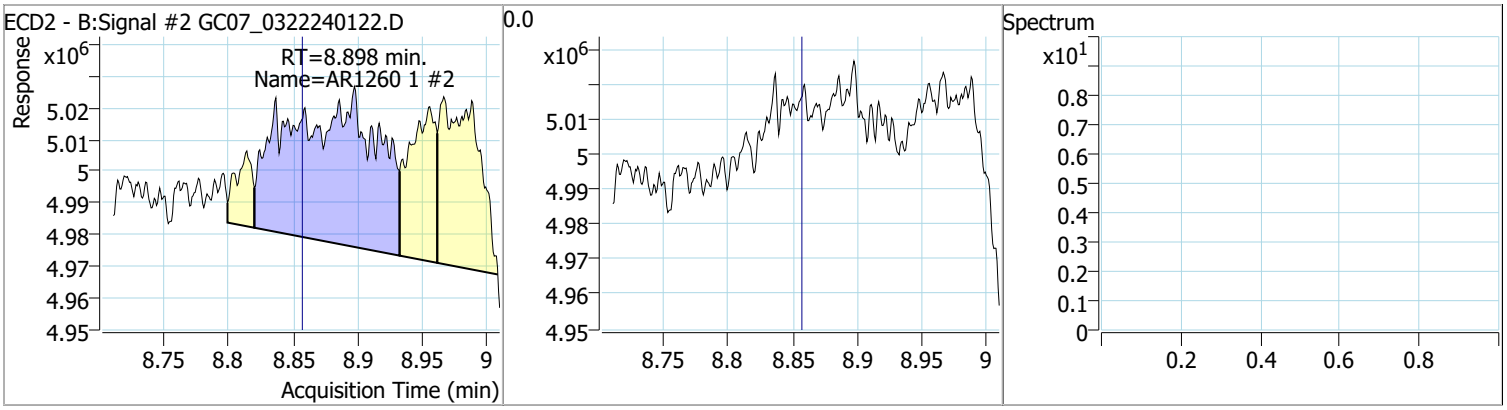
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.5165	7.81	-0.03	219653				



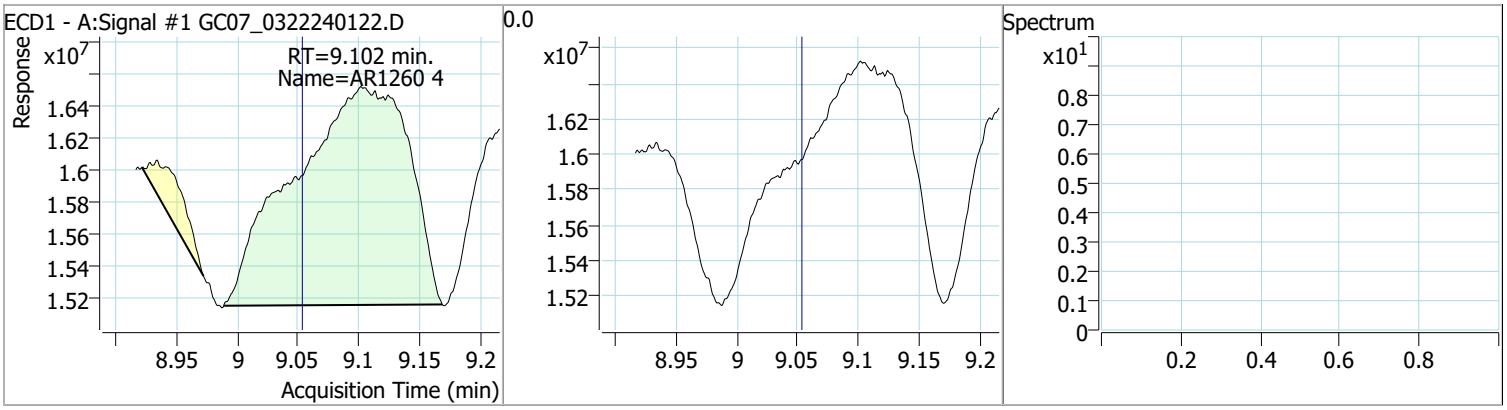
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	5.8067	8.40	0.03	923739				



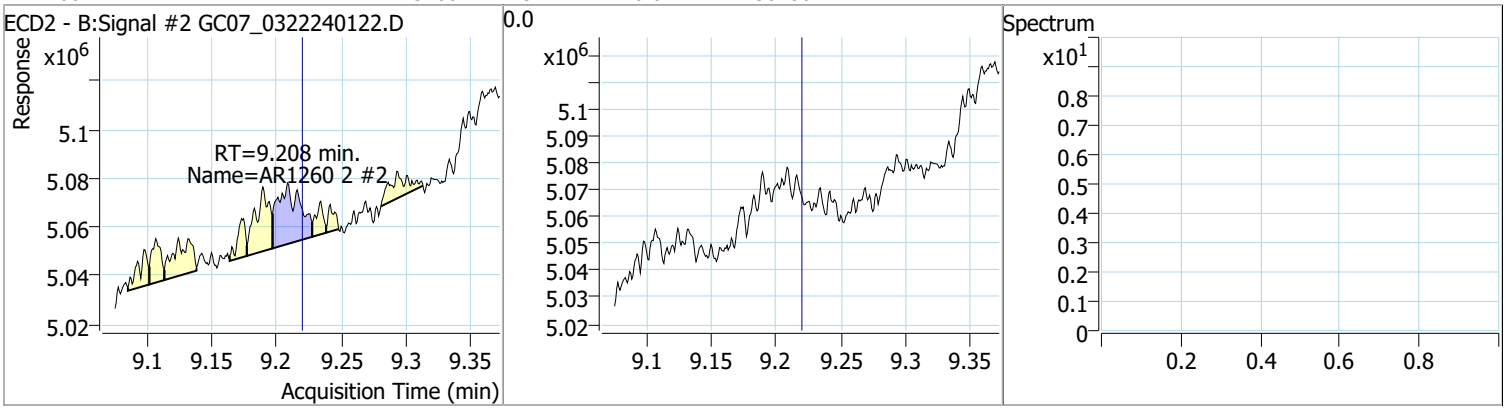
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	11.1925	8.90	0.03	233386				



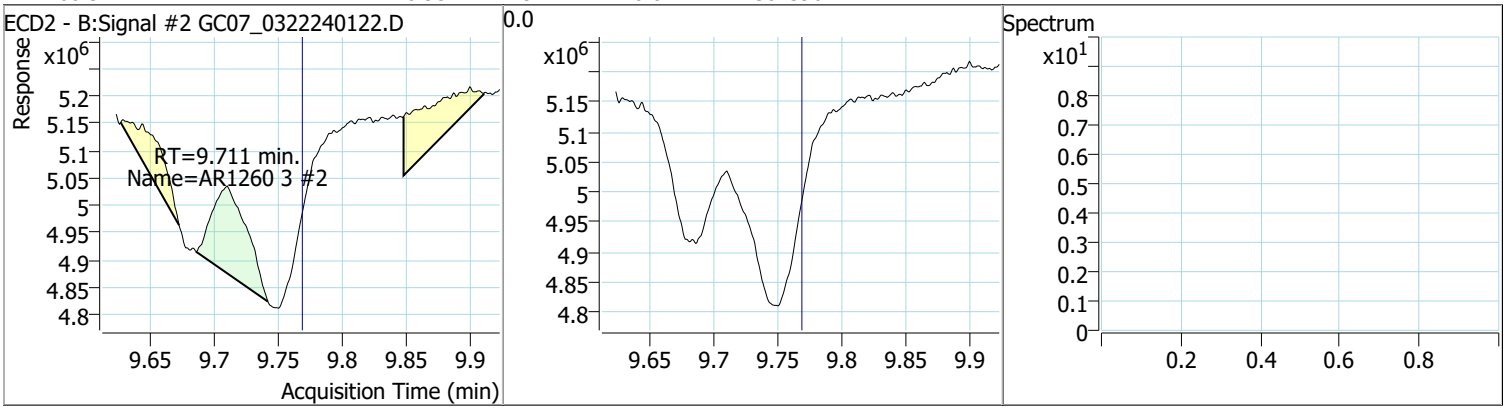
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	101.0977	9.10	0.03	9016061				



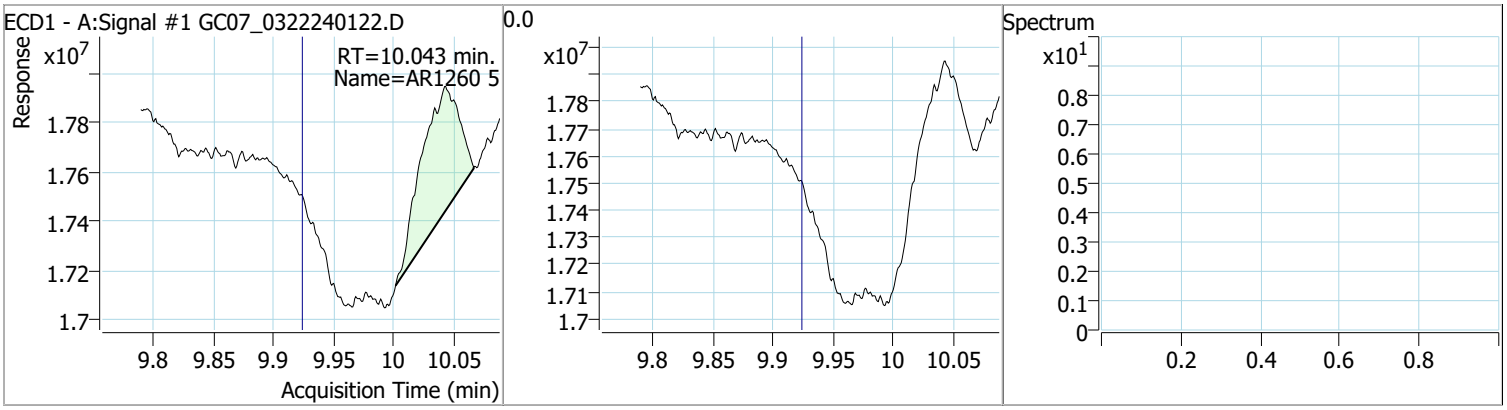
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.3408	9.21	-0.02	30186				



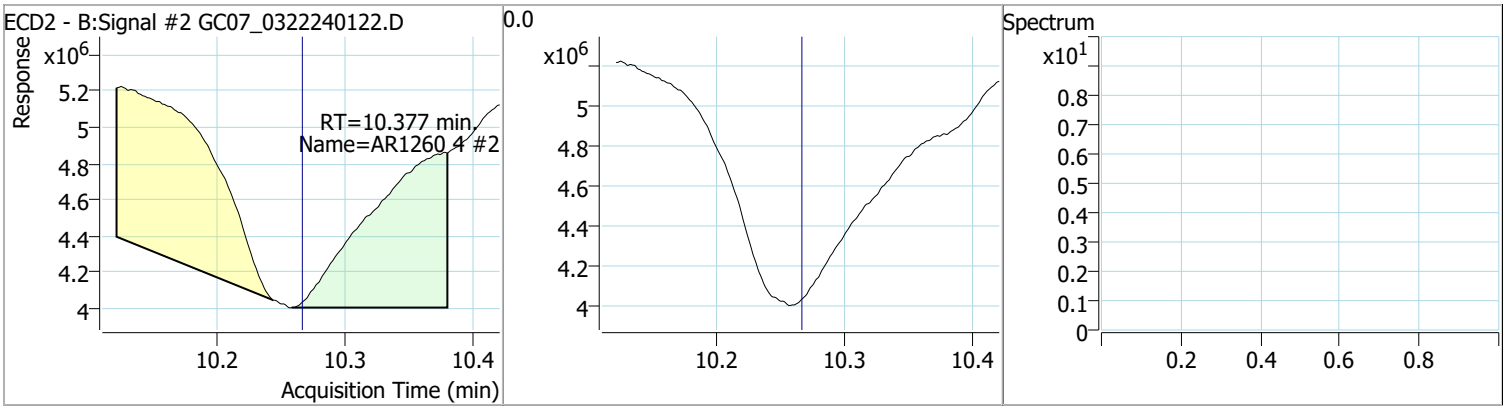
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.9541	9.71	-0.07	301396				



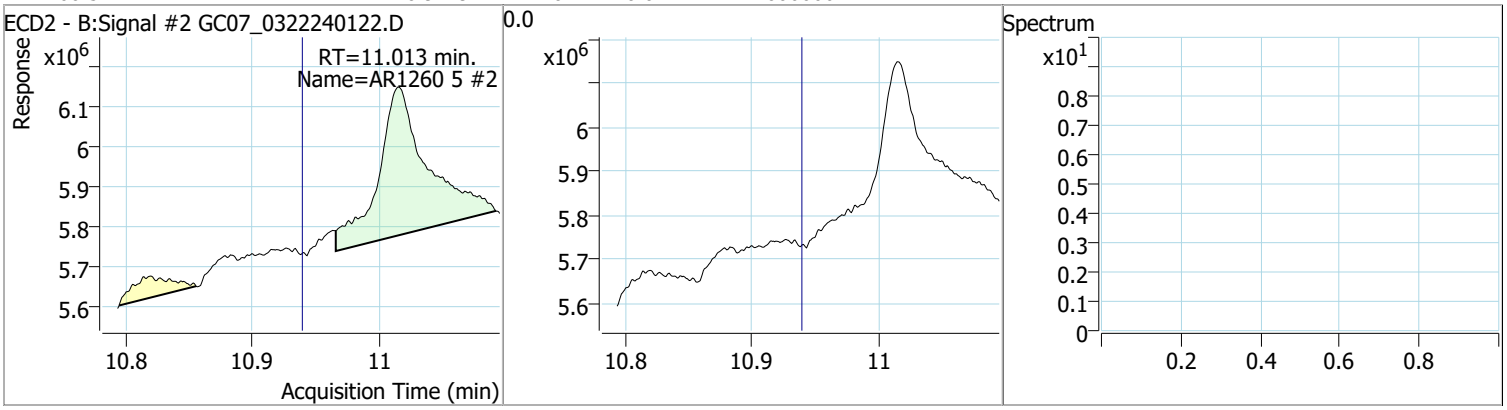
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	10.6806	10.04	0.10	1141953				



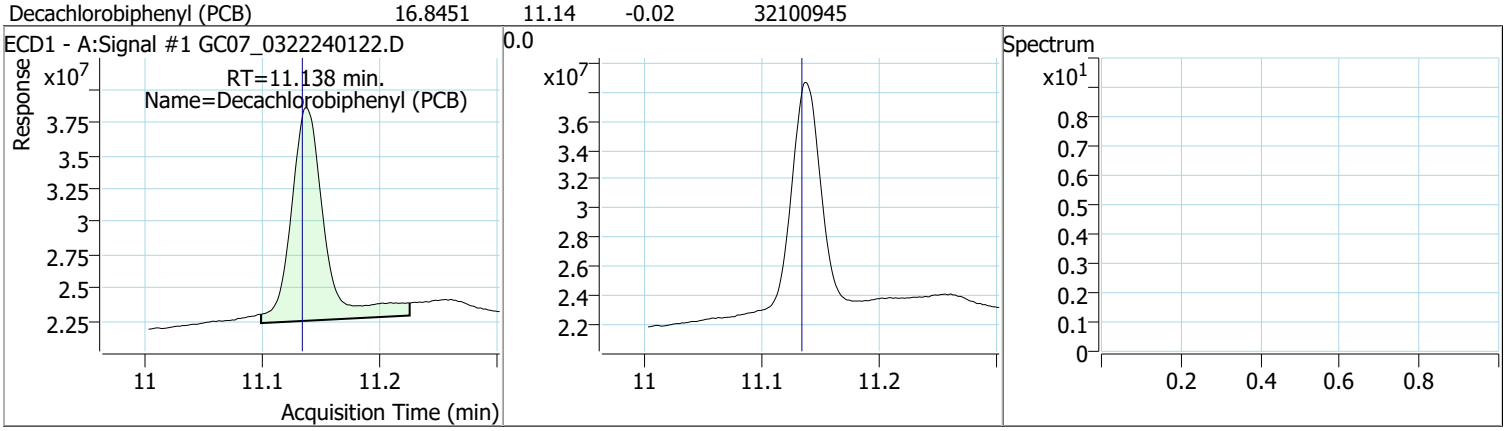
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	197.3773	10.38	0.10	3503262				



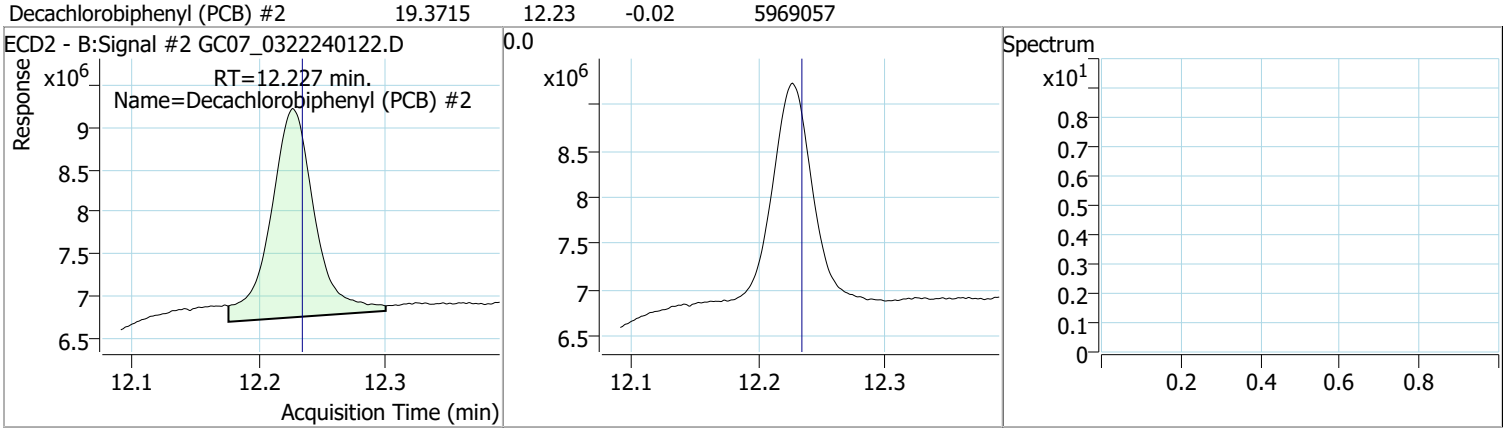
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	40.9449	11.01	0.07	1006666				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	16.8451	11.14	-0.02	32100945				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.3715	12.23	-0.02	5969057				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	504506-021	Client ID:	AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-P-I
Seqnum:	464118734123	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_0322240123	Batch:	335940	Time:	22-MAR-2024 17:50
Cal:	464104819001	Caldate:	13-MAR-2024		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	70.46	ug/L	~~0.70~~ ~~FP~~	1.1	44%	0.50		x u
Aroclor-1016 Peak # 1	B	67.46	ug/L	0.67	0.95	34%			
Aroclor-1016 Peak # 2	B	71.89	ug/L	0.72	0.28	89%			
Aroclor-1016 Peak # 3	B	205.5	ug/L	2.05	3.43	50%			
Aroclor-1016 Peak # 4	B	2.748	ug/L	0.03	0.27	163%			
Aroclor-1016 Peak # 5	B	4.739	ug/L	0.05	0.58	170%			
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	10.95	ug/L	ND	0.53	132%	0.50		u
Aroclor-1260 Peak # 1	B	11.19	ug/L	0.11	1.54	173%			
Aroclor-1260 Peak # 2	B	3.961	ug/L	0.04	0.02	62%			
Aroclor-1260 Peak # 3	B	10.34	ug/L	0.10	0.06	48%			
Aroclor-1260 Peak # 4	B	22.17	ug/L	0.22	1.00	127%			
Aroclor-1260 Peak # 5	B	7.112	ug/L	0.07	0.05	40%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	27.76	pg/uL	0.5000	0.2776	56	19-121	u
Decachlorobiphenyl (PCB)	B	20.39	pg/uL	0.5000	0.2039	41	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	6018271	-14.15
1-bromo-2-nitrobenzene (PCB)	A	36910905	31886896	-13.61

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.68	0.00

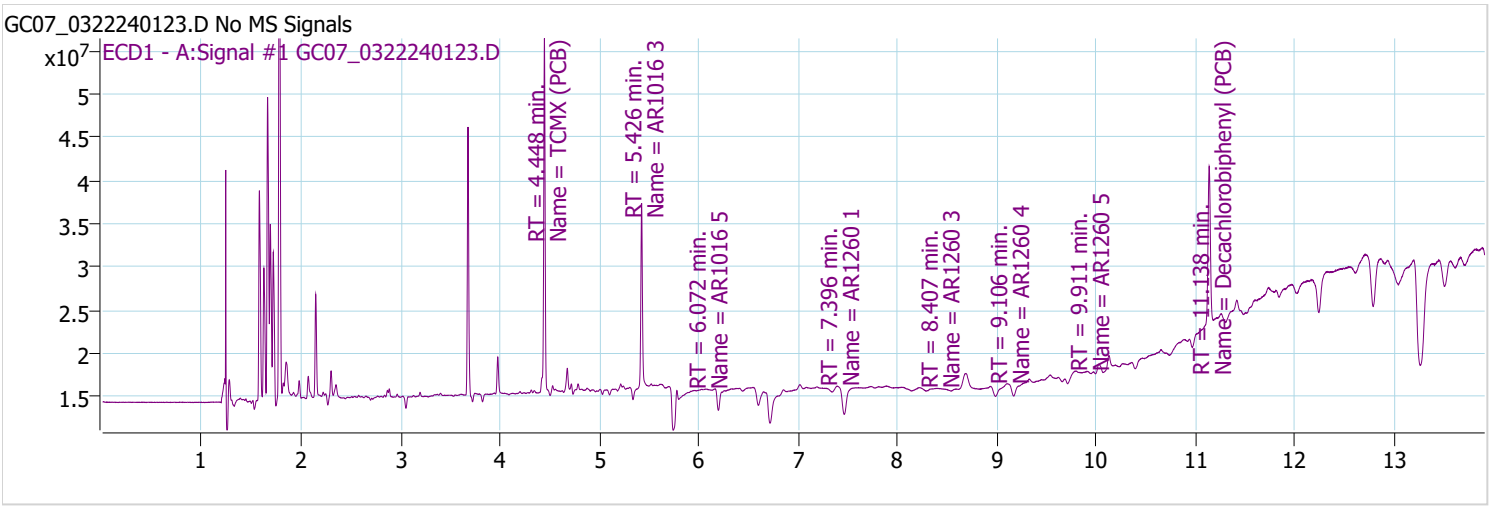
03/24/24 : WIPE/1-10ML

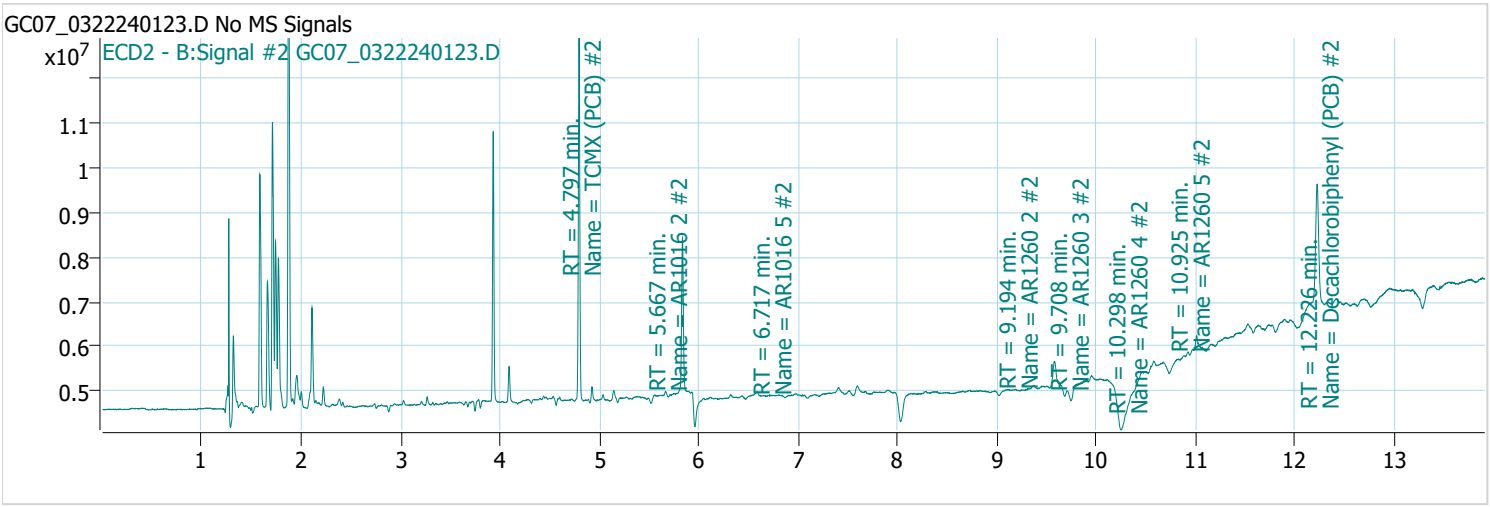
u=use x=false positive

Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240123.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 5:50:57 PM
Sample Name	504506-021, 335940, 1	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



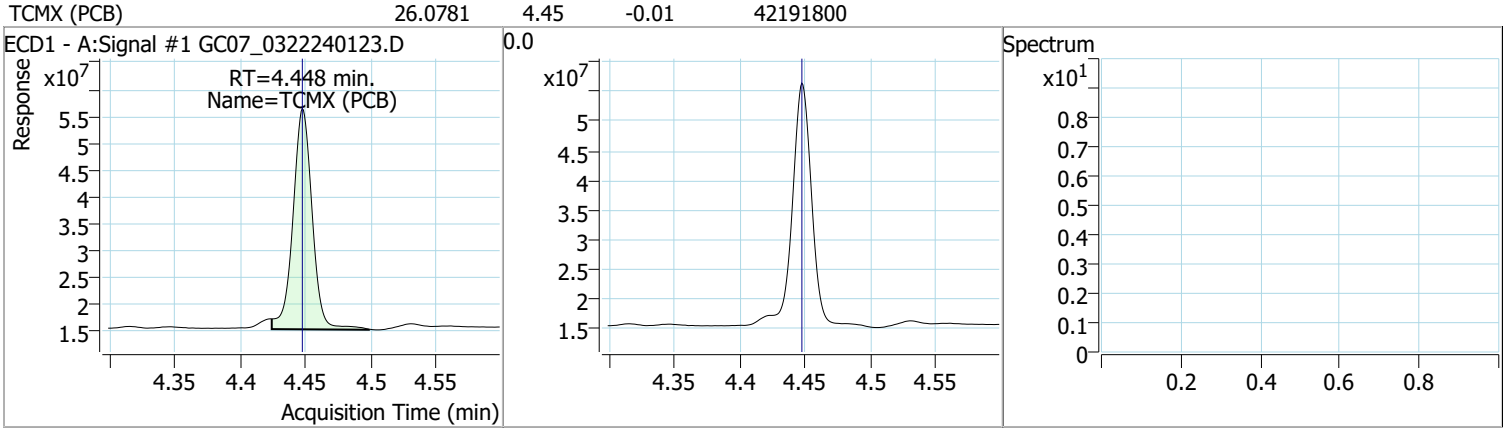


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.678	0.0	31886896.016	20.0000	ng/ml	-0.009
M 1-bromo-2-nitrobenzene (PCB) #2	3.933	0.0	6018271.462	20.0000	ng/ml	-0.003
System Monitoring Compounds						
S TCMX (PCB)	4.448	0.0	42191799.778	26.0781	ng/ml	-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 130.39%		
S TCMX (PCB) #2	4.797	0.0	8403770.421	27.7640	ng/ml	-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 138.82%		
S Decachlorobiphenyl (PCB)	11.138	0.0	33095483.939	16.1450	ng/ml	-0.024
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 80.73%		
S Decachlorobiphenyl (PCB) #2	12.226	0.0	6756765.811	20.3914	ng/ml	-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 101.96%		
Target Compounds						QValue

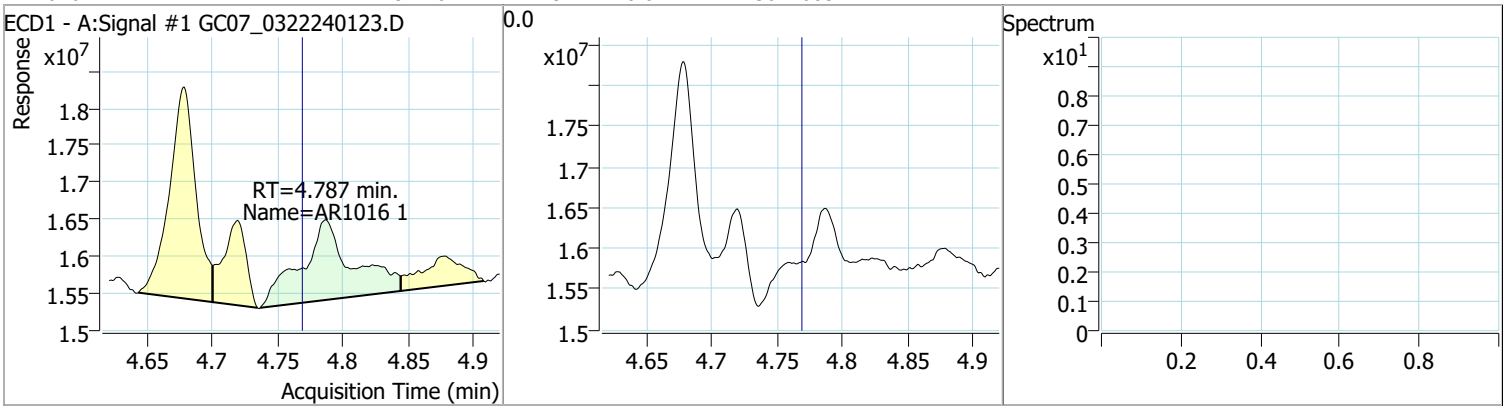
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.787	0.0	3014682.803	94.7042	ng/ml	100
T AR1016 2	5.070	0.0	1626875.337	27.5900	ng/ml	100
T AR1016 1 #2	5.277	0.0	433766.587	67.4616	ng/ml	100
T AR1016 3	5.426	0.0	28043168.140	343.0810	ng/ml	100
T AR1016 4	5.622	0.0	1470696.801	26.9716	ng/ml	100
T AR1016 2 #2	5.667	0.0	960765.276	71.8920	ng/ml	100
T AR1016 5	6.072	0.0	2658025.805	57.7447	ng/ml	100
T AR1016 3 #2	6.117	0.0	3566408.233	205.4615	ng/ml	100
T AR1016 4 #2	6.166	0.0	31593.691	2.7482	ng/ml	100
T AR1016 5 #2	6.717	0.0	46281.360	4.7386	ng/ml	100
T AR1260 1	7.396	0.0	14861464.035	154.2524	ng/ml	100
T AR1260 2	7.814	0.0	324888.750	2.0852	ng/ml	100
T AR1260 3	8.407	0.0	1082618.666	6.3266	ng/ml	100
T AR1260 1 #2	8.832	0.0	250942.303	11.1912	ng/ml	100
T AR1260 4	9.106	0.0	9575186.266	99.8126	ng/ml	100
T AR1260 2 #2	9.194	0.0	95894.950	3.9610	ng/ml	100
T AR1260 3 #2	9.708	0.0	305899.262	10.3388	ng/ml	100
T AR1260 5	9.911	0.0	543521.569	4.7258	ng/ml	100
T AR1260 4 #2	10.298	0.0	423125.531	22.1690	ng/ml	100
T AR1260 5 #2	10.925	0.0	188031.520	7.1121	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

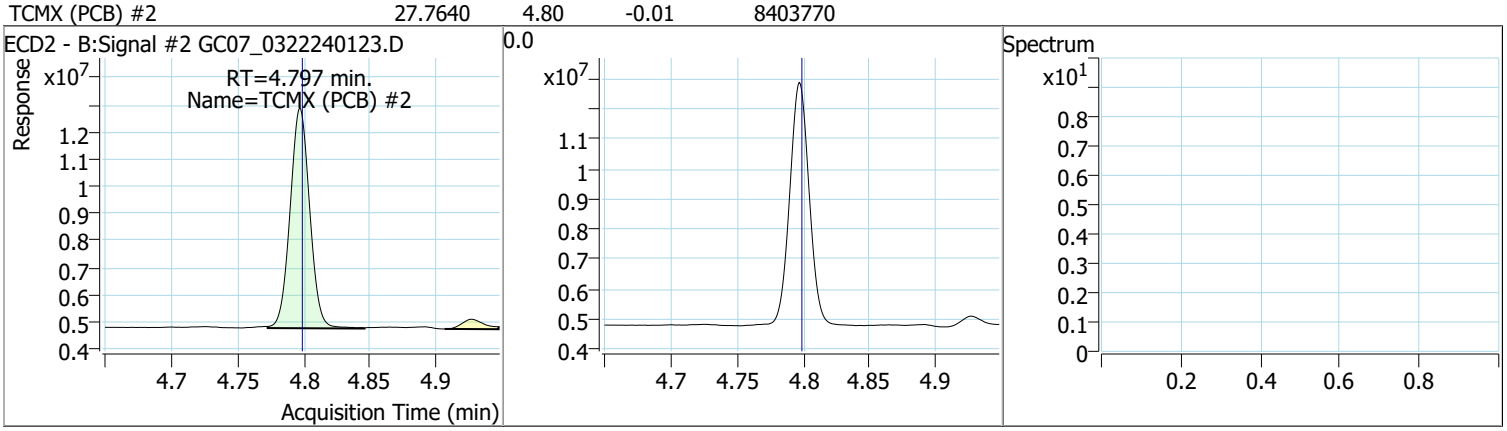
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	26.0781	4.45	-0.01	42191800				



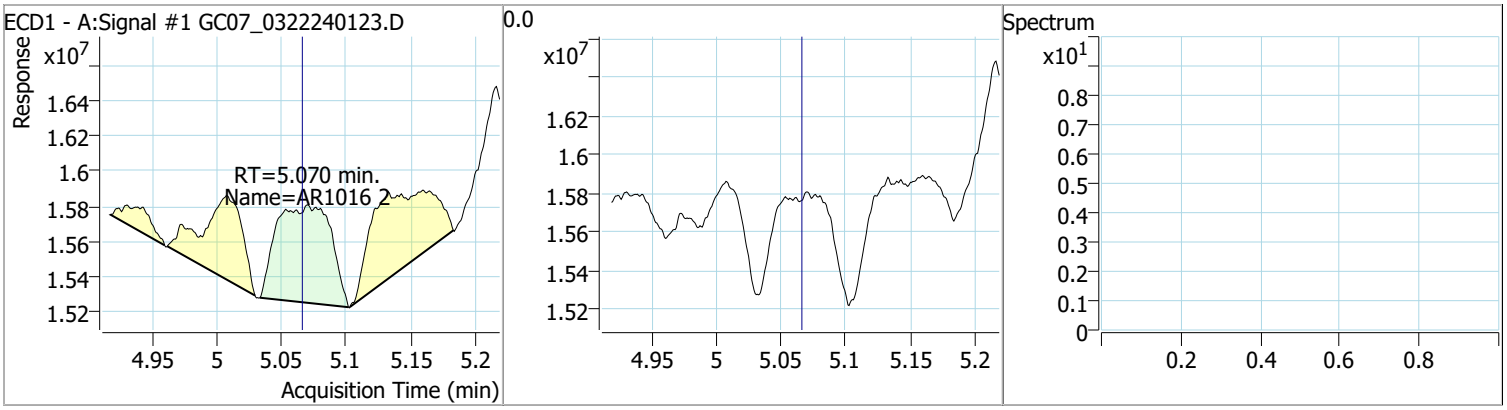
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	94.7042	4.79	0.01	3014683				



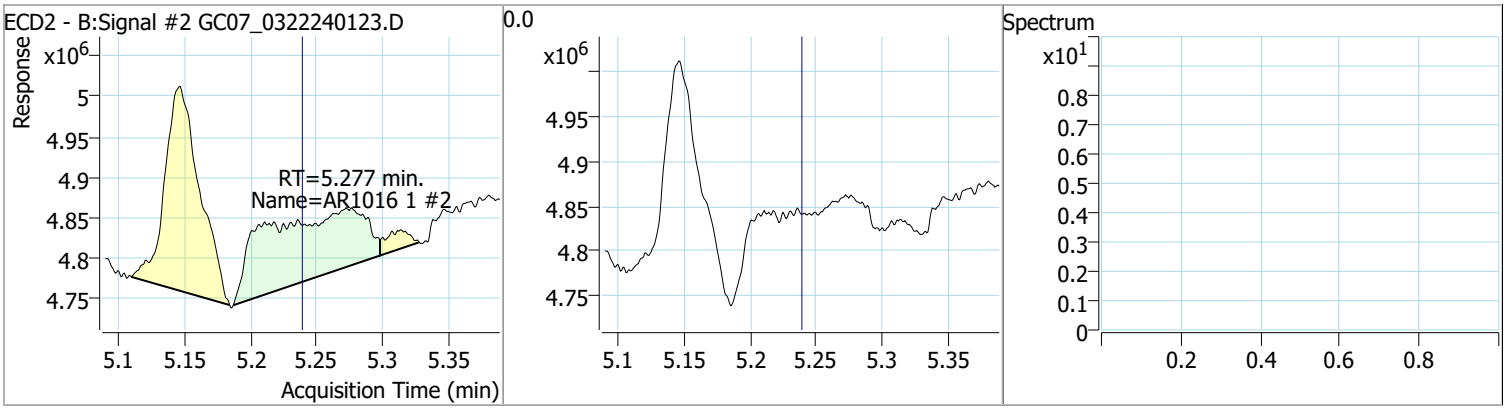
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	27.7640	4.80	-0.01	8403770				



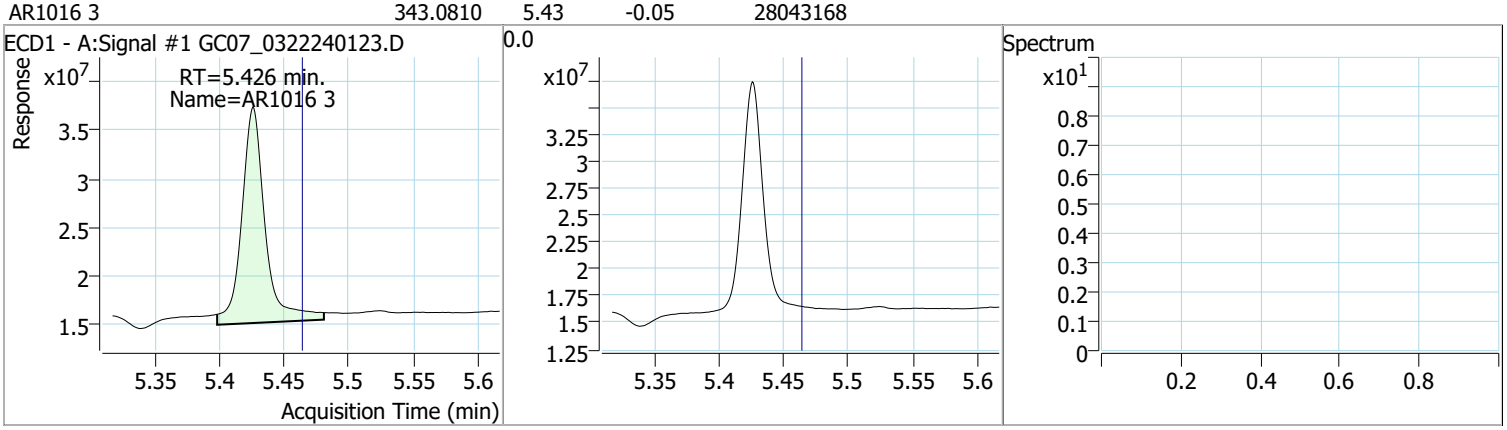
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	27.5900	5.07	-0.01	1626875				



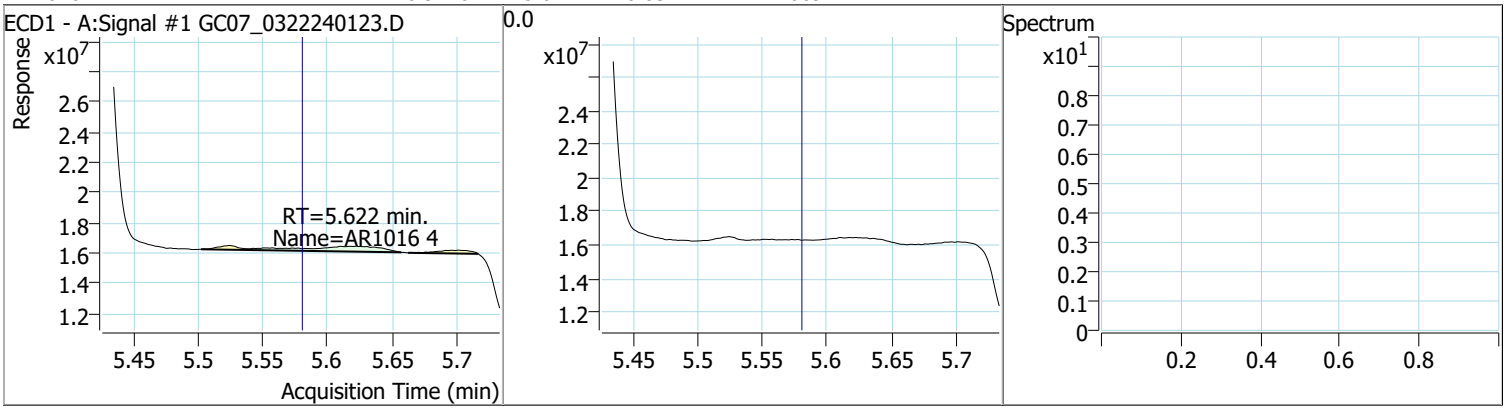
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	67.4616	5.28	0.03	433767				



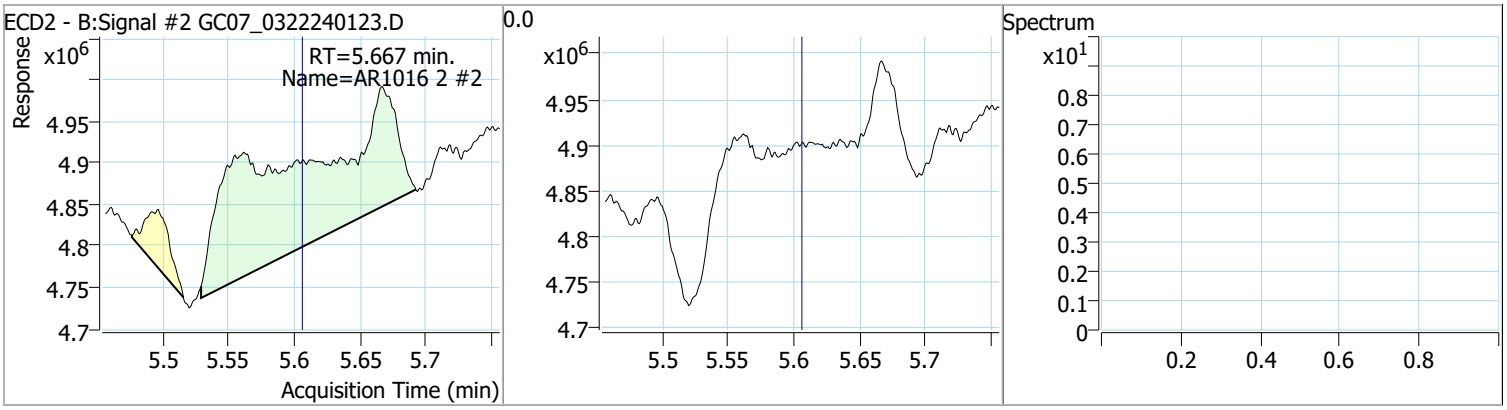
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	343.0810	5.43	-0.05	28043168				



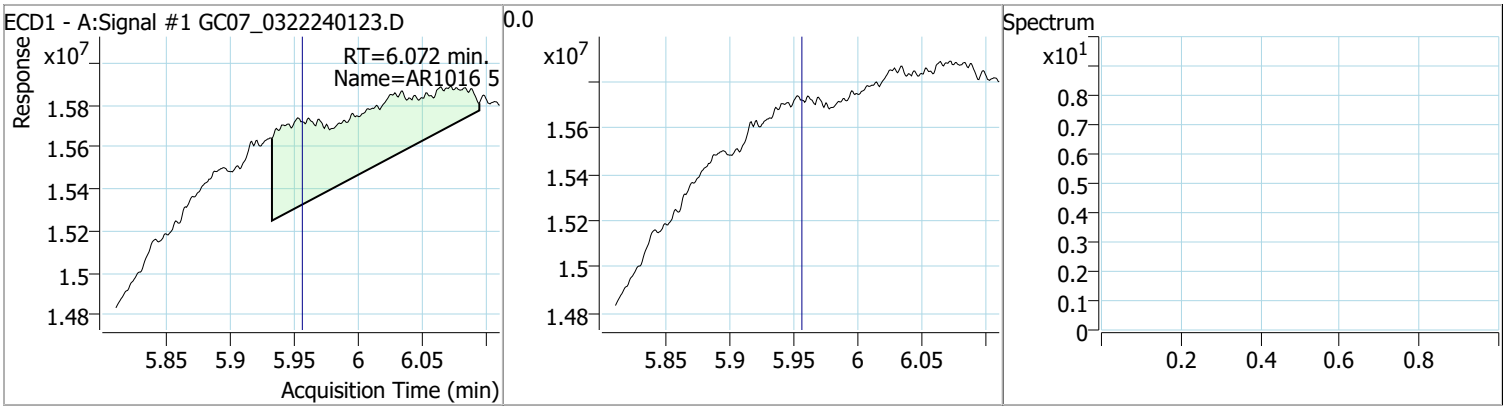
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	26.9716	5.62	0.03	1470697				



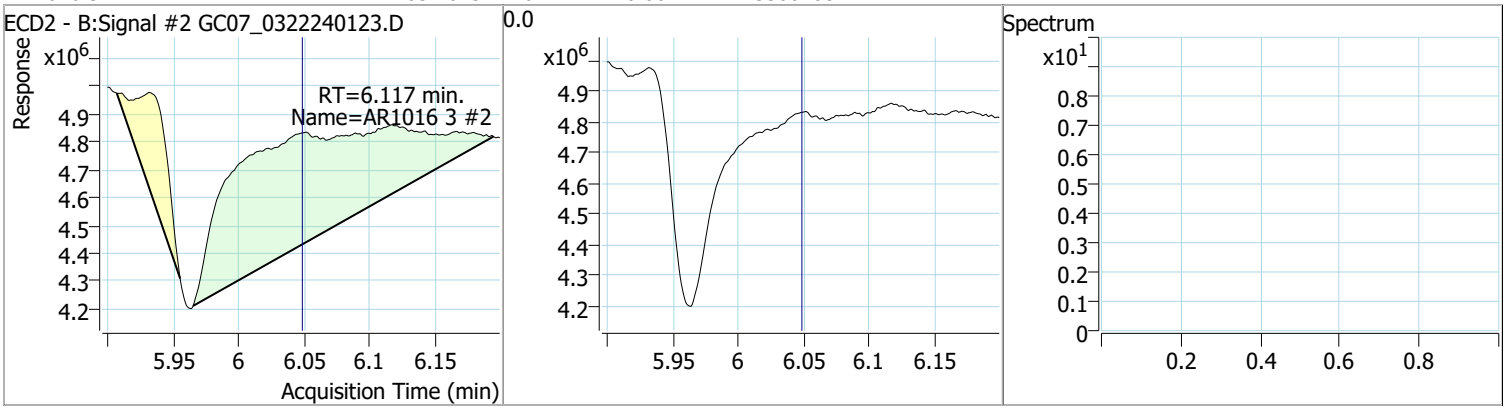
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	71.8920	5.67	0.06	960765				



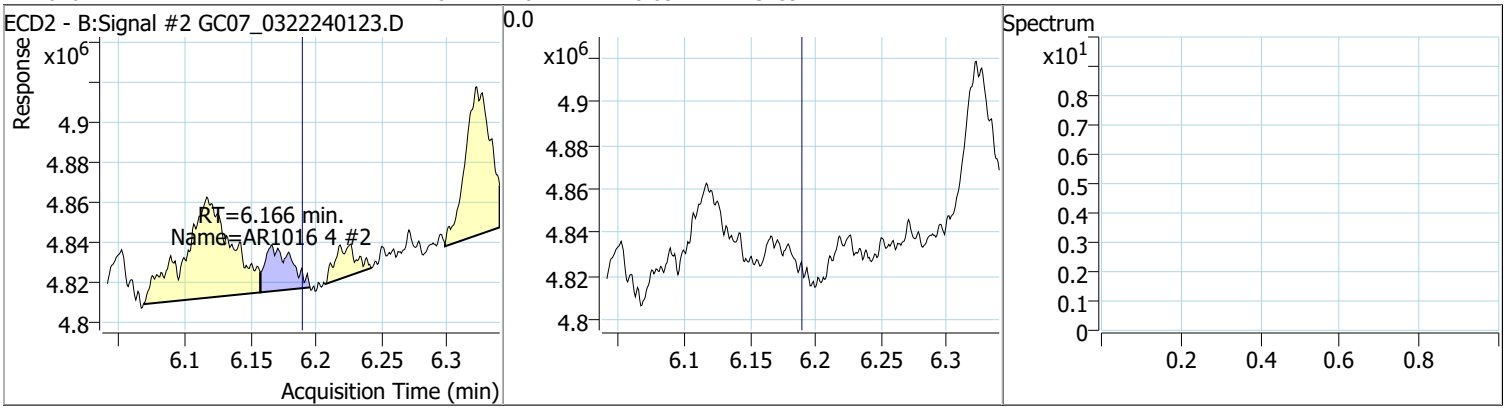
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	57.7447	6.07	0.10	2658026				



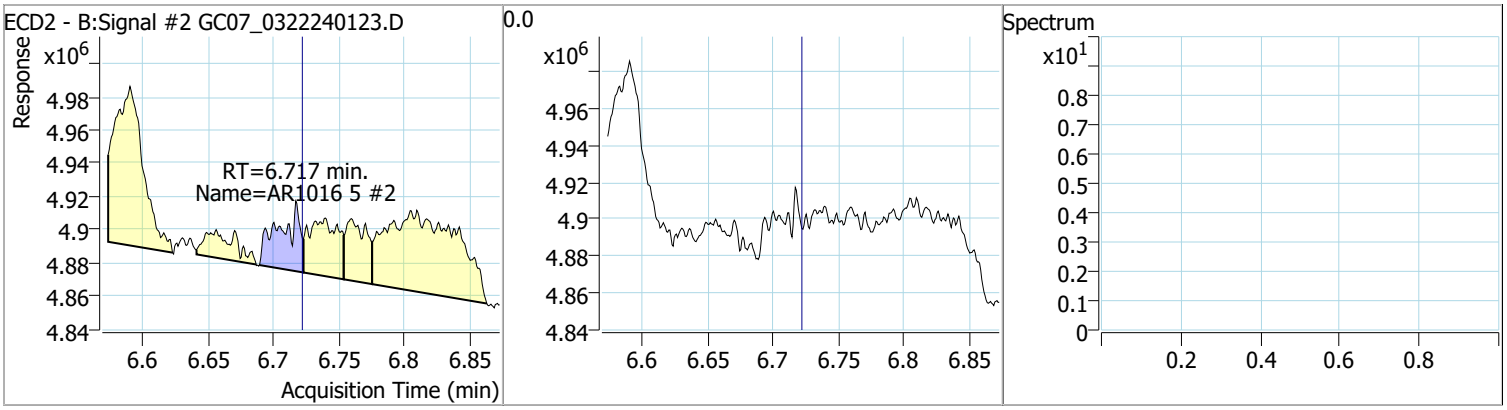
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	205.4615	6.12	0.06	3566408				



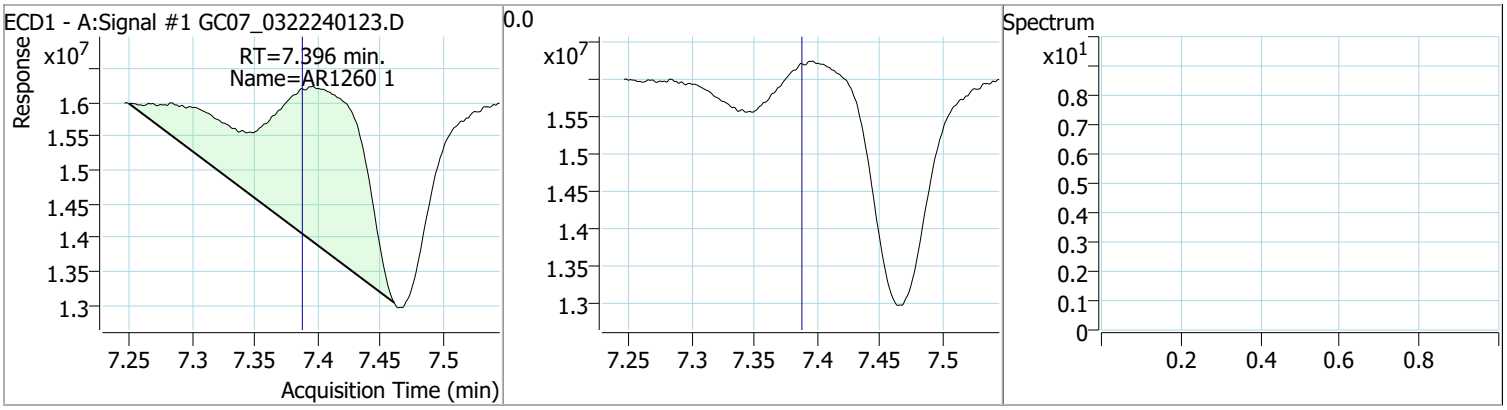
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.7482	6.17	-0.03	31594				



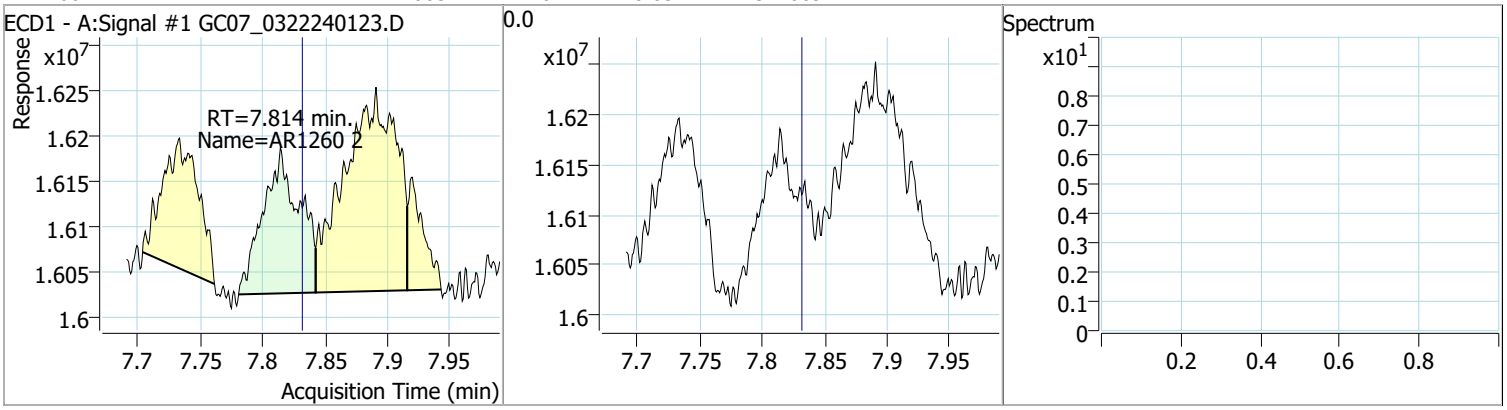
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	4.7386	6.72	-0.01	46281				



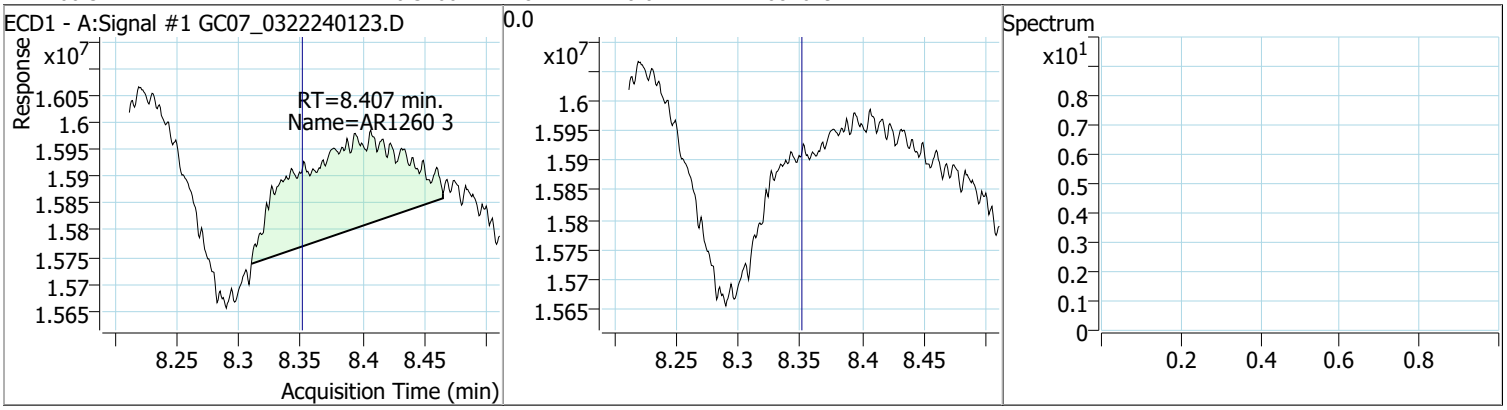
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	154.2524	7.40	-0.01	14861464				



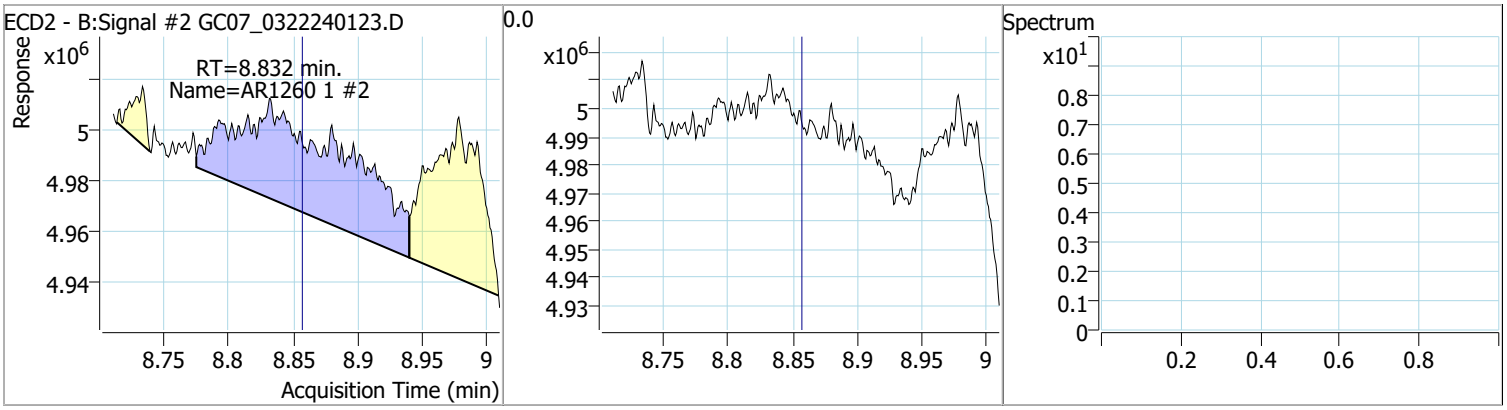
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.0852	7.81	-0.03	324889				



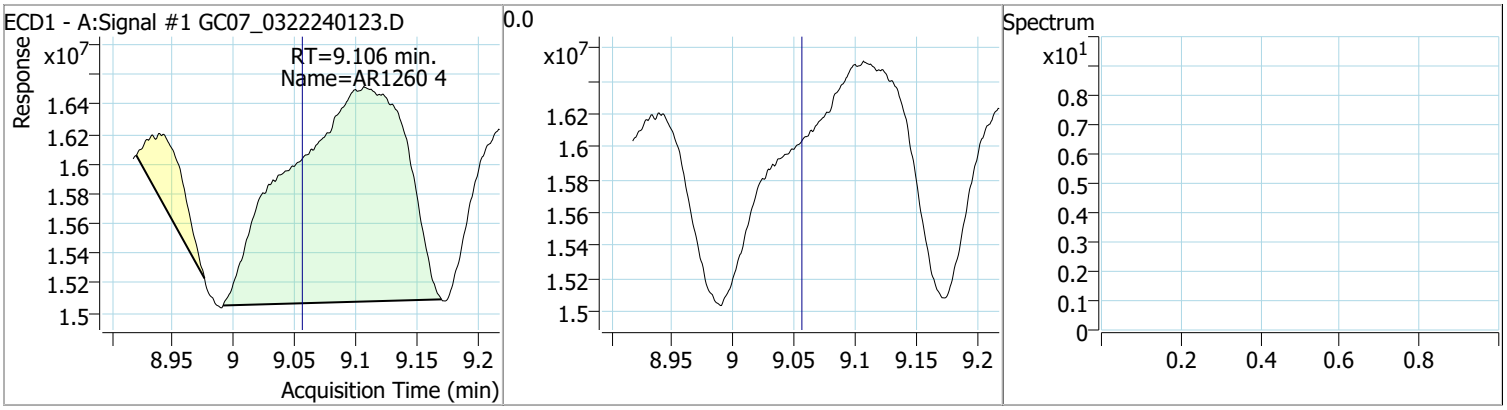
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.3266	8.41	0.04	1082619				



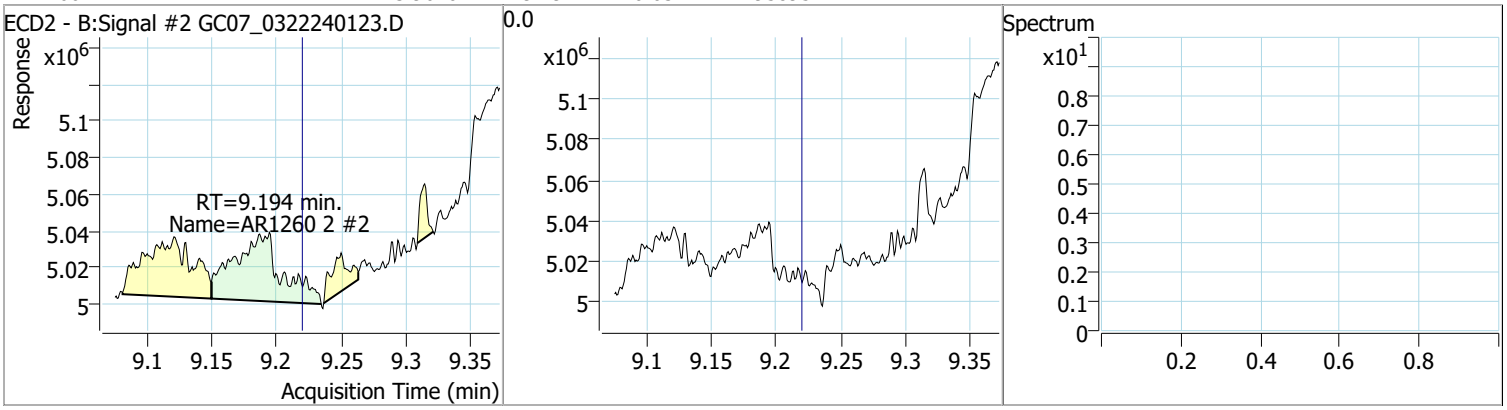
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	11.1912	8.83	-0.03	250942				



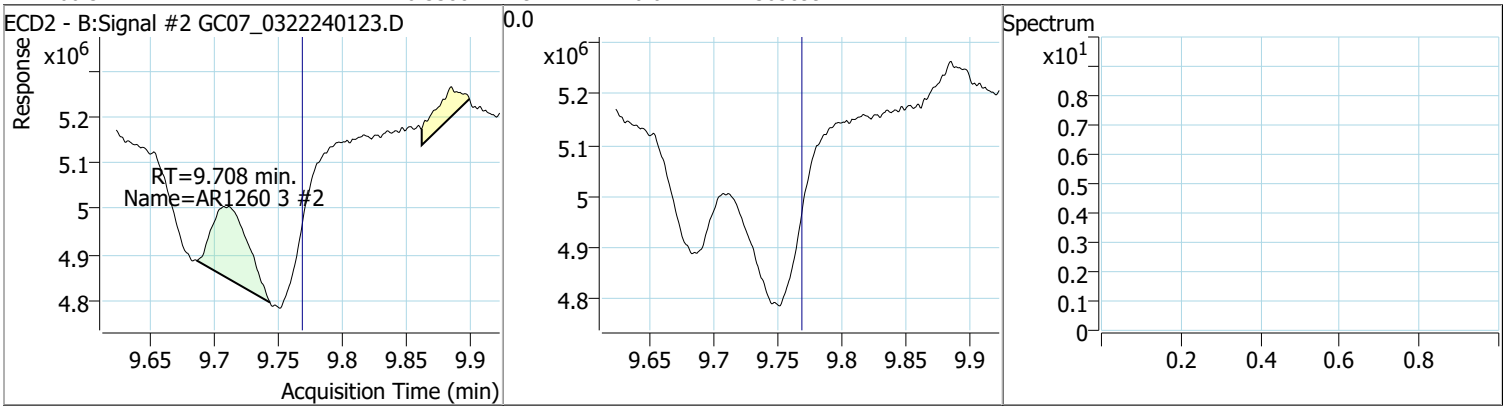
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	99.8126	9.11	0.03	9575186				



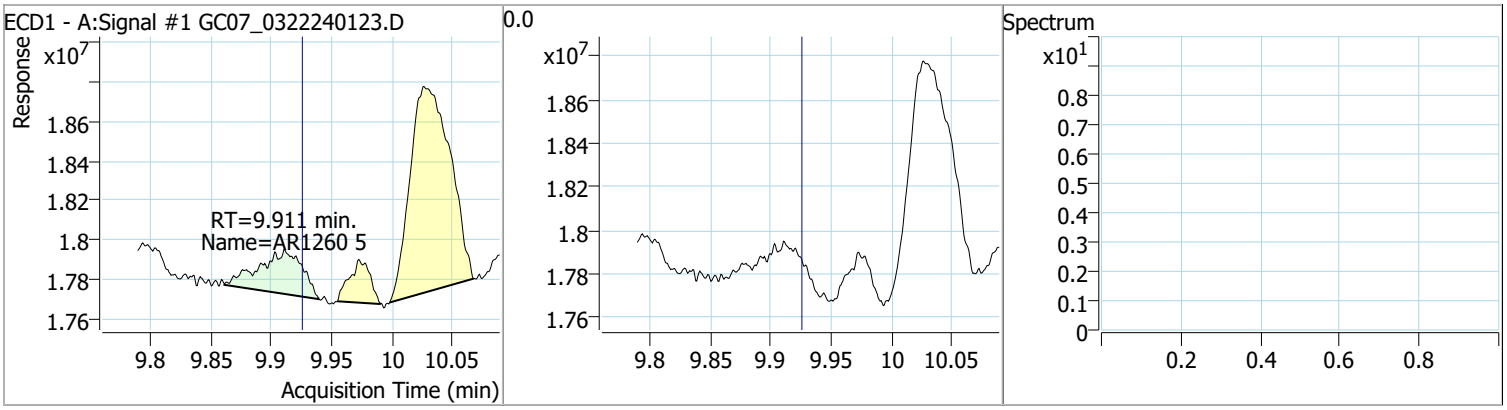
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	3.9610	9.19	-0.03	95895				



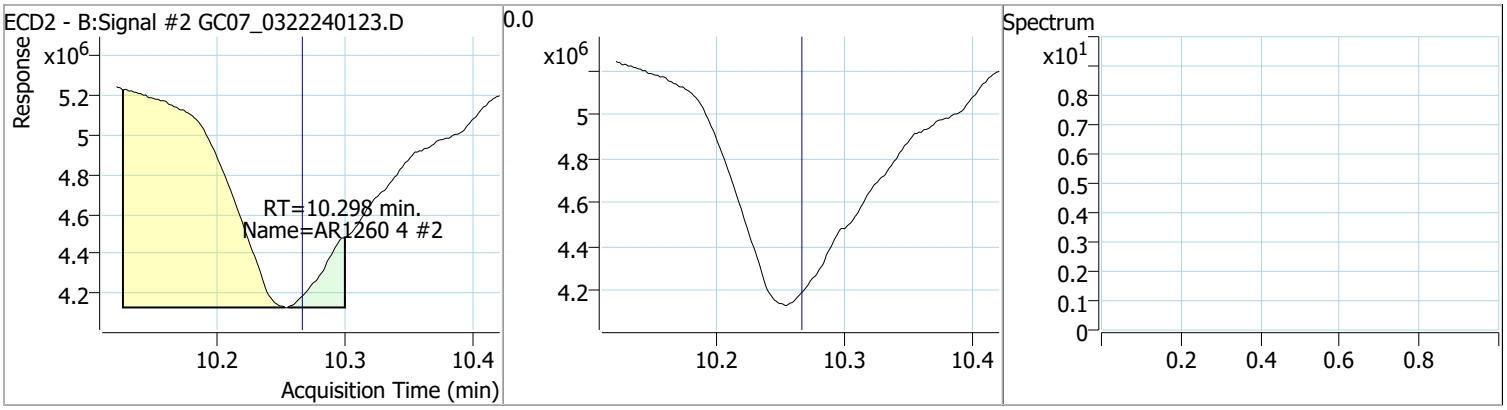
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	10.3388	9.71	-0.07	305899				



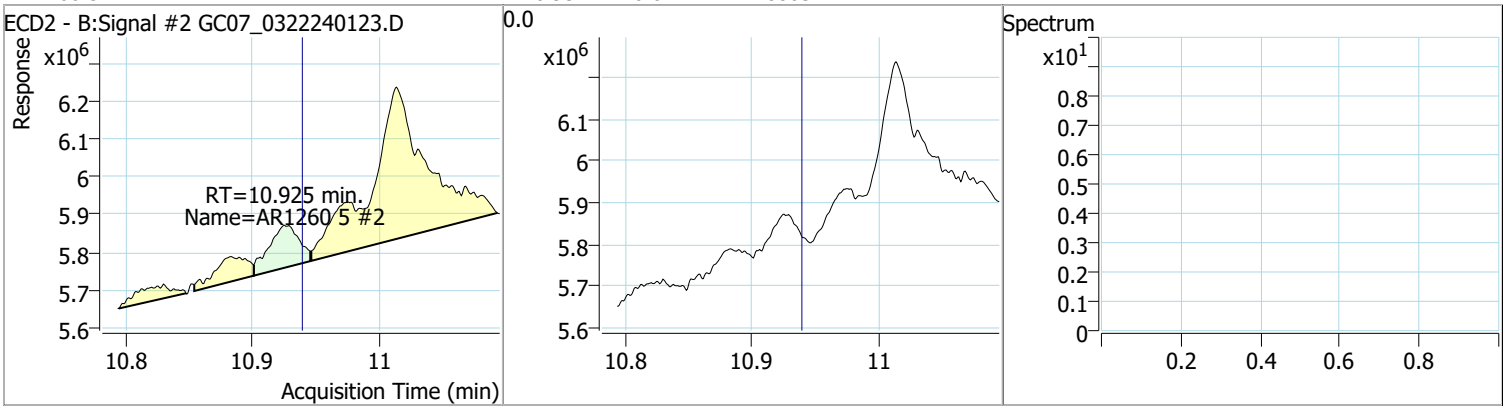
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	4.7258	9.91	-0.04	543522				



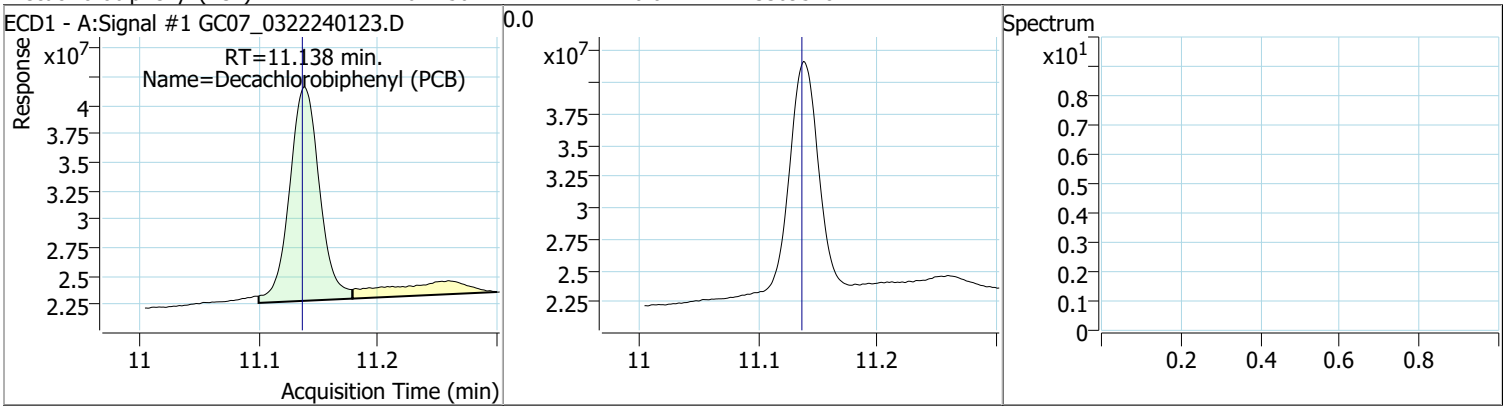
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	22.1690	10.30	0.02	423126				



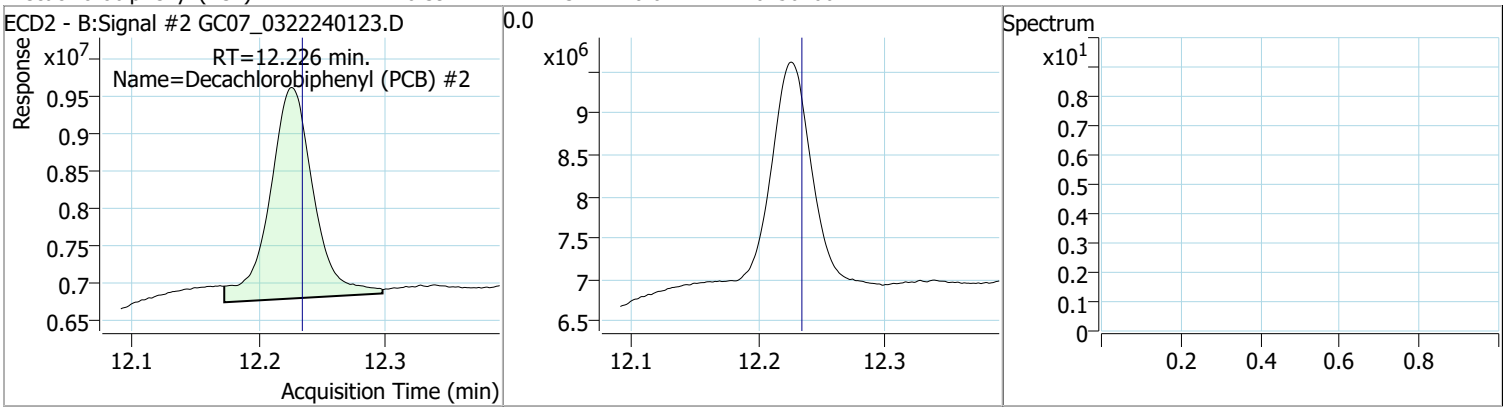
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	7.1121	10.93	-0.02	188032				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	16.1450	11.14	-0.02	33095484				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.3914	12.23	-0.02	6756766				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC07	Lab ID:	504506-023	Client ID:	240315-P-FIELDBLANK1-HO
Seqnum:	464118734124	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc07_0322240124	Batch:	335940	Time:	22-MAR-2024 18:08
Cal:	464104819001	Caldate:	13-MAR-2024		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Blank	Flags
Aroclor-1016	B	54.19	ug/L	~~0.54~~ FP	0.78	36%	0.50		x u
Aroclor-1016 Peak # 1	B	28.50	ug/L	0.28	0.08	116%			
Aroclor-1016 Peak # 2	B	54.00	ug/L	0.54	0.26	69%			
Aroclor-1016 Peak # 3	B	173.1	ug/L	1.73	2.56	39%			
Aroclor-1016 Peak # 4	B	4.095	ug/L	0.04	0.01	98%			
Aroclor-1016 Peak # 5	B	11.27	ug/L	0.11	0.97	158%			
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	8.940	ug/L	ND	0.61	149%	0.50		u
Aroclor-1260 Peak # 1	B	20.60	ug/L	0.21	1.57	154%			
Aroclor-1260 Peak # 2	B	1.703	ug/L	0.02	0.02	2%			
Aroclor-1260 Peak # 3	B	15.35	ug/L	0.15	0.17	10%			
Aroclor-1260 Peak # 4	B	1.879	ug/L	0.02	1.18	194%			
Aroclor-1260 Peak # 5	B	5.165	ug/L	0.05	0.11	75%			
Aroclor-1262	B			ND			0.50		u
Aroclor-1268	B			ND			0.50		u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	30.41	pg/uL	0.5000	0.3041	61	19-121	u
Decachlorobiphenyl (PCB)	B	19.53	pg/uL	0.5000	0.1953	39	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	6238341	-11.01
1-bromo-2-nitrobenzene (PCB)	A	36910905	33832829	-8.34

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.67	-0.01

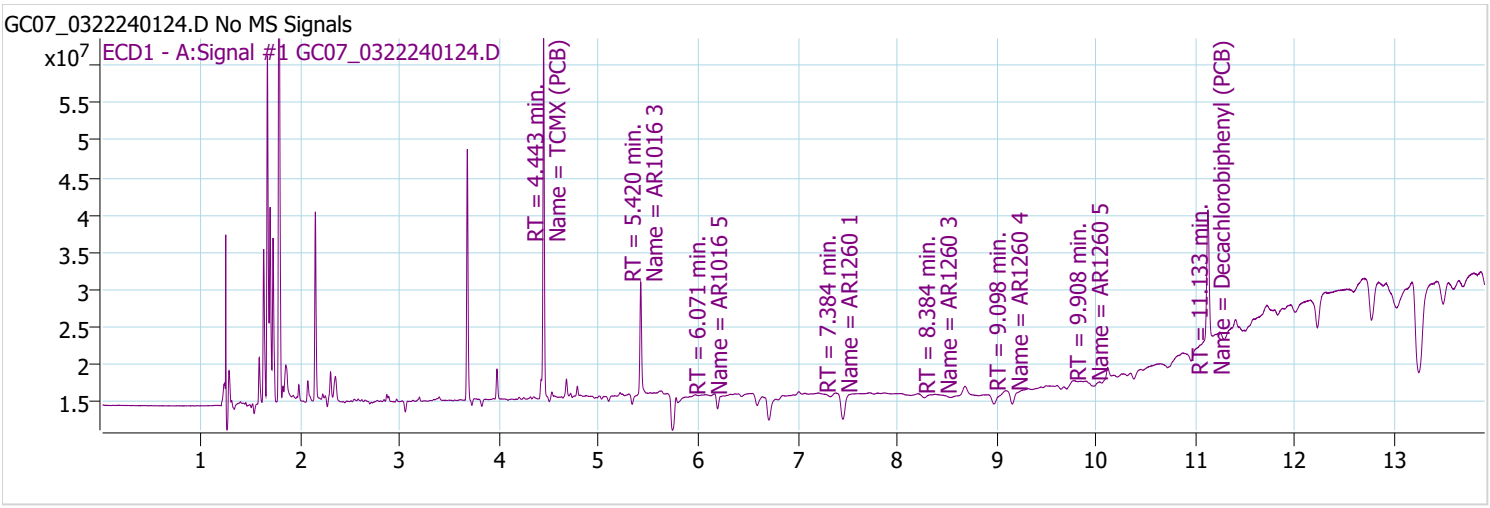
03/24/24 : WIPE/1-10ML

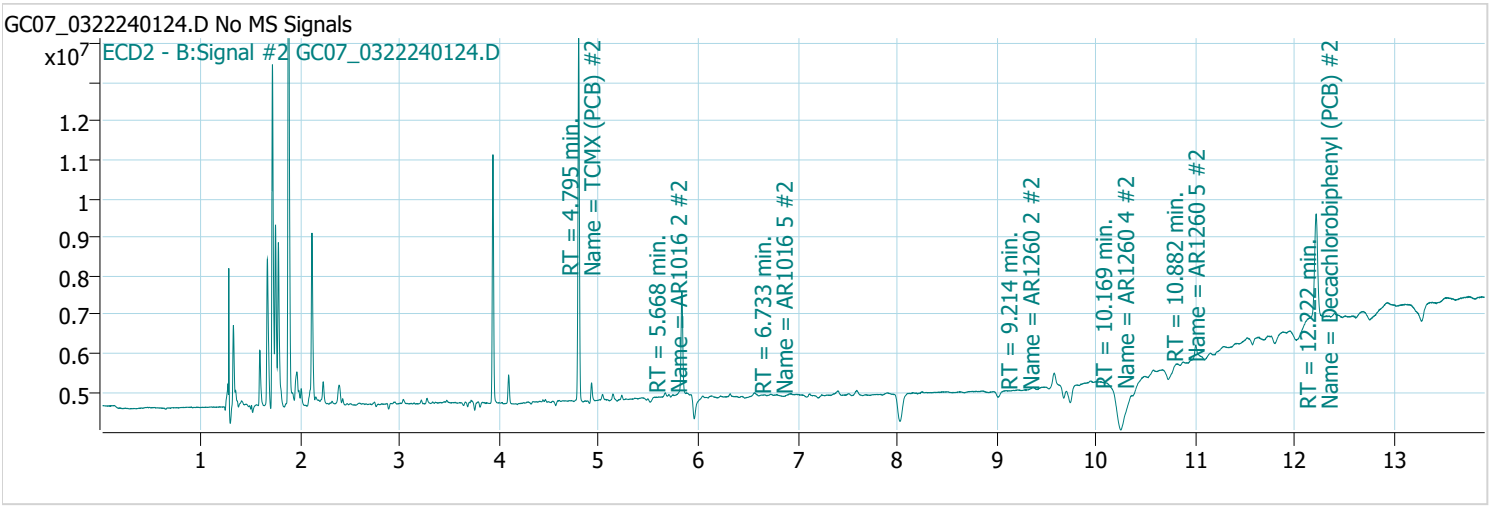
u=use x=false positive

Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240124.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 6:08:24 PM
Sample Name	504506-023, 335940, 1	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



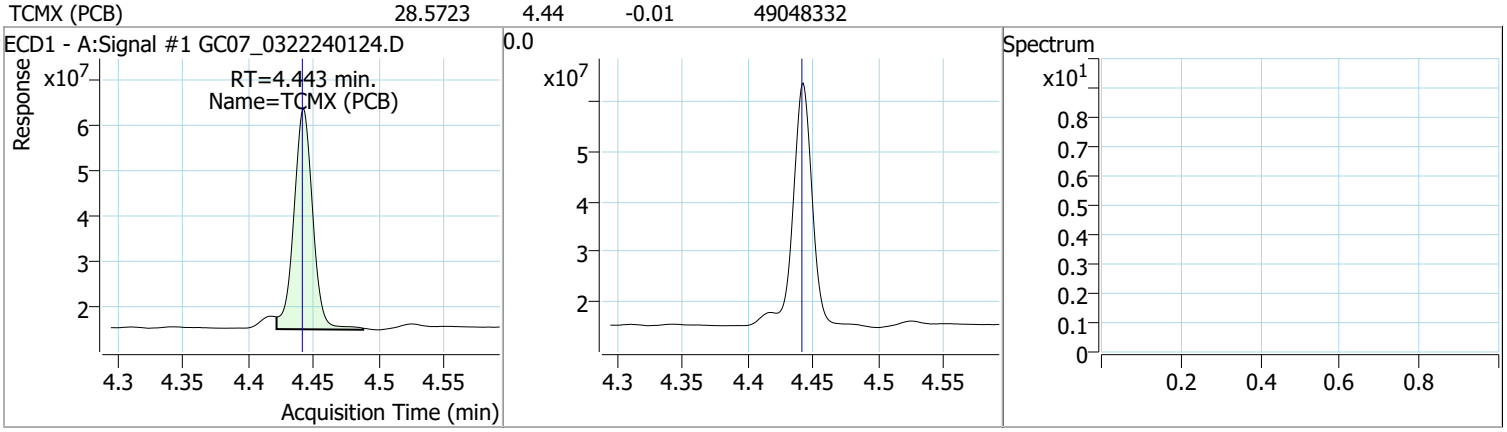


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.673	0.0	33832829.263	20.0000	ng/ml		-0.014
M 1-bromo-2-nitrobenzene (PCB) #2	3.932	0.0	6238340.815	20.0000	ng/ml		-0.004
System Monitoring Compounds							
S TCMX (PCB)	4.443	0.0	49048331.714	28.5723	ng/ml		-0.015
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 142.86%			
S TCMX (PCB) #2	4.795	0.0	9540923.963	30.4089	ng/ml		-0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 152.04%		*	
S Decachlorobiphenyl (PCB)	11.133	0.0	33558399.891	15.4292	ng/ml		-0.030
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 77.15%			
S Decachlorobiphenyl (PCB) #2	12.222	0.0	6709436.384	19.5343	ng/ml		-0.022
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 97.67%			
Target Compounds							QValue

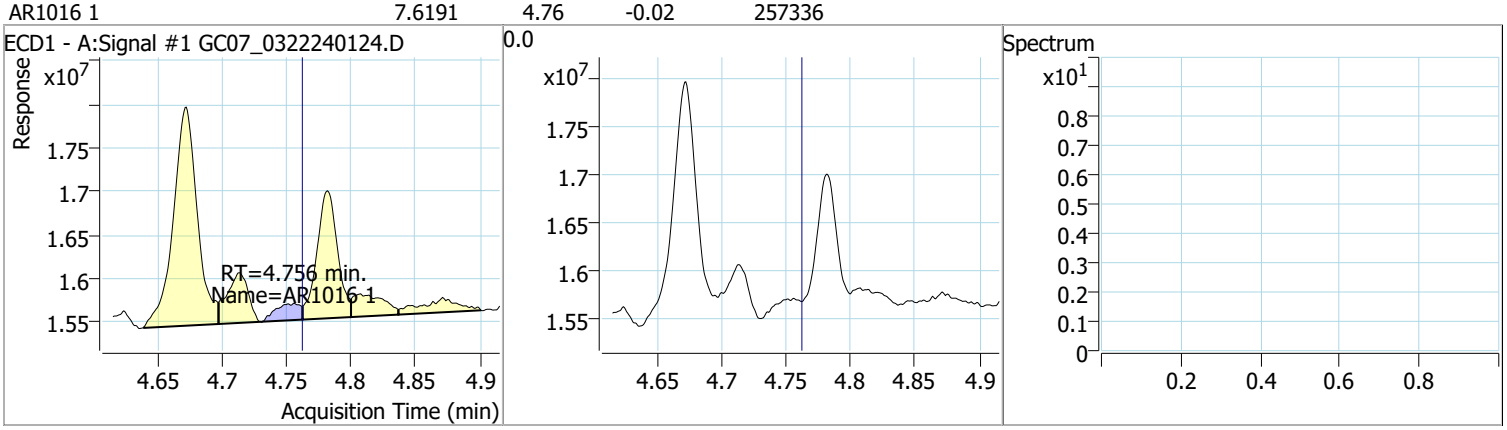
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.756	0.0	257336.197	7.6191	ng/ml	100
T AR1016 2	5.049	0.0	1639203.044	26.2001	ng/ml	100
T AR1016 1 #2	5.230	0.0	189919.653	28.4953	ng/ml	100
T AR1016 3	5.420	0.0	22214942.477	256.1467	ng/ml	100
T AR1016 4	5.548	0.0	80721.636	1.3952	ng/ml	100
T AR1016 2 #2	5.668	0.0	748110.990	54.0047	ng/ml	100
T AR1016 5	6.071	0.0	4716678.933	96.5746	ng/ml	100
T AR1016 3 #2	6.133	0.0	3113933.540	173.0659	ng/ml	100
T AR1016 4 #2	6.227	0.0	48797.075	4.0949	ng/ml	100
T AR1016 5 #2	6.733	0.0	114060.876	11.2663	ng/ml	100
T AR1260 1	7.384	0.0	16090730.789	157.4056	ng/ml	100
T AR1260 2	7.811	0.0	287534.195	1.7393	ng/ml	100
T AR1260 3	8.384	0.0	3072399.672	16.9218	ng/ml	100
T AR1260 1 #2	8.857	0.0	478873.844	20.6028	ng/ml	100
T AR1260 4	9.098	0.0	11963481.298	117.5357	ng/ml	100
T AR1260 2 #2	9.214	0.0	42745.686	1.7033	ng/ml	100
T AR1260 3 #2	9.707	0.0	470781.818	15.3502	ng/ml	100
T AR1260 5	9.908	0.0	1386253.420	11.3600	ng/ml	100
T AR1260 4 #2	10.169	0.0	37181.562	1.8793	ng/ml	100
T AR1260 5 #2	10.882	0.0	141552.428	5.1652	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

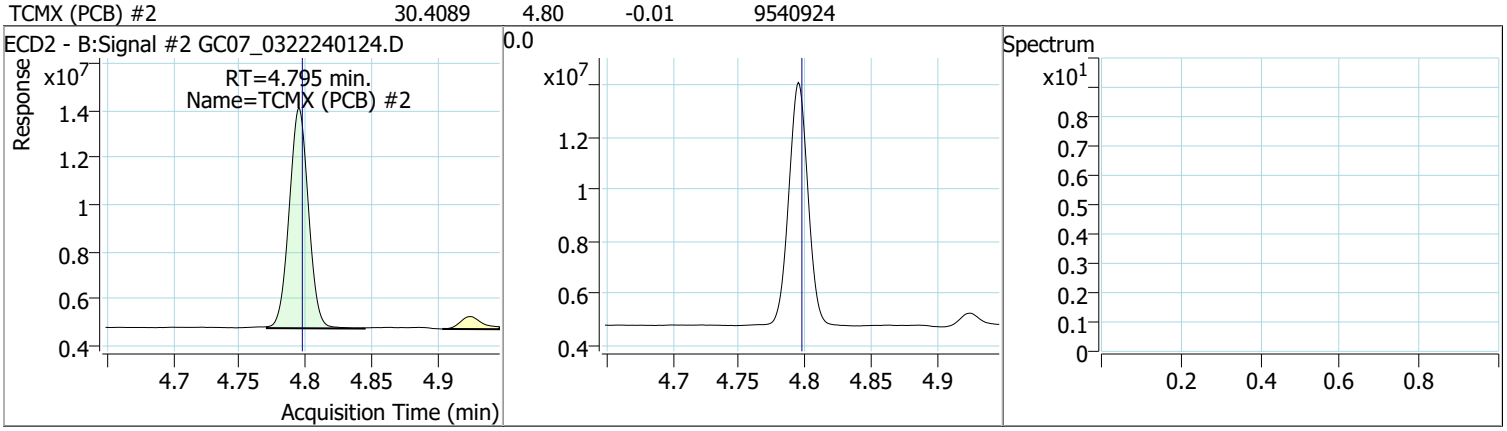
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	28.5723	4.44	-0.01	49048332				



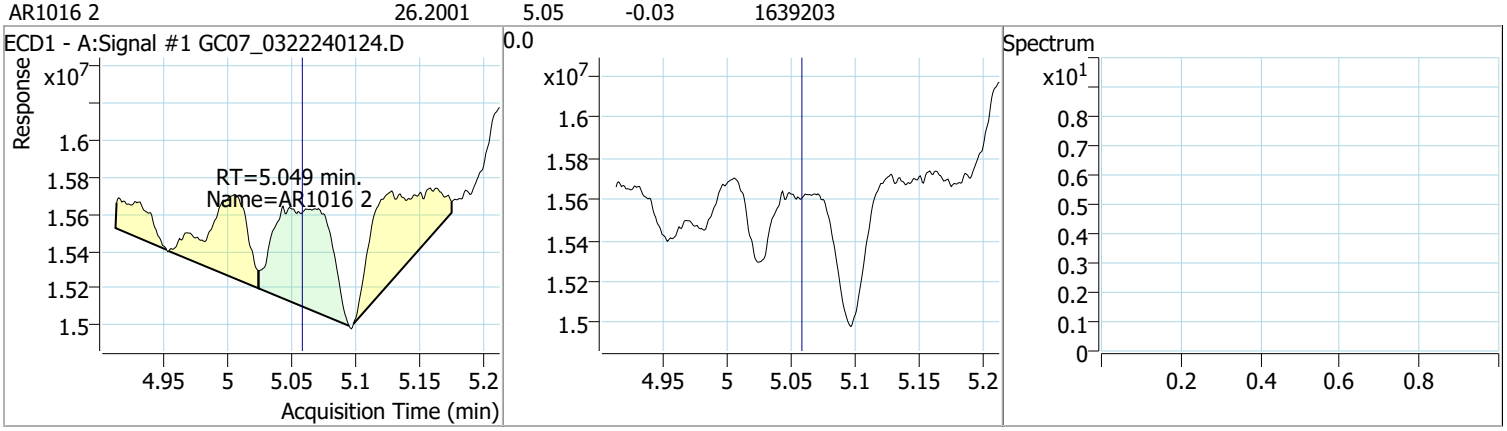
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	7.6191	4.76	-0.02	257336				



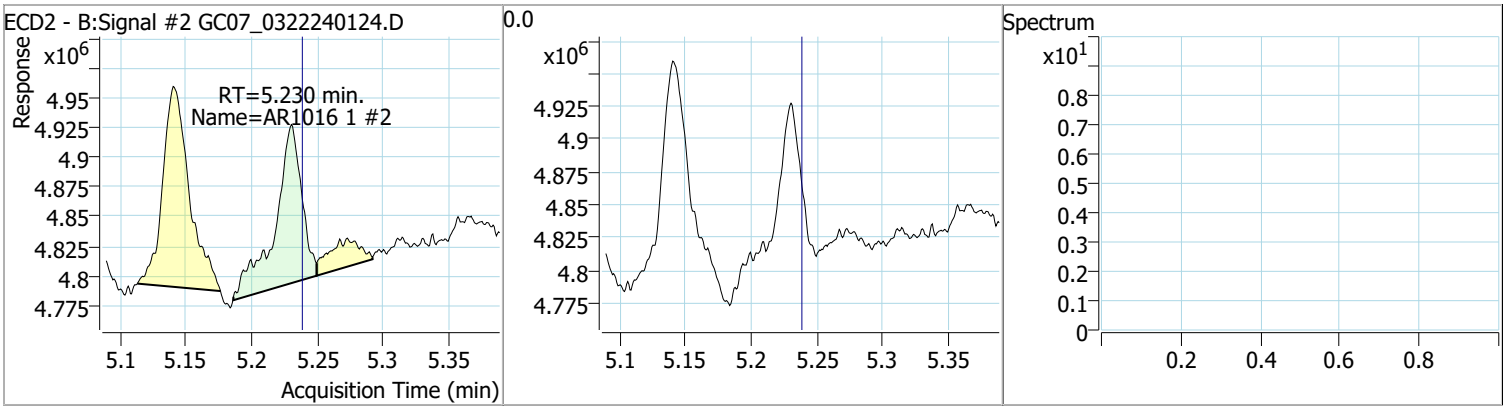
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	30.4089	4.80	-0.01	9540924				



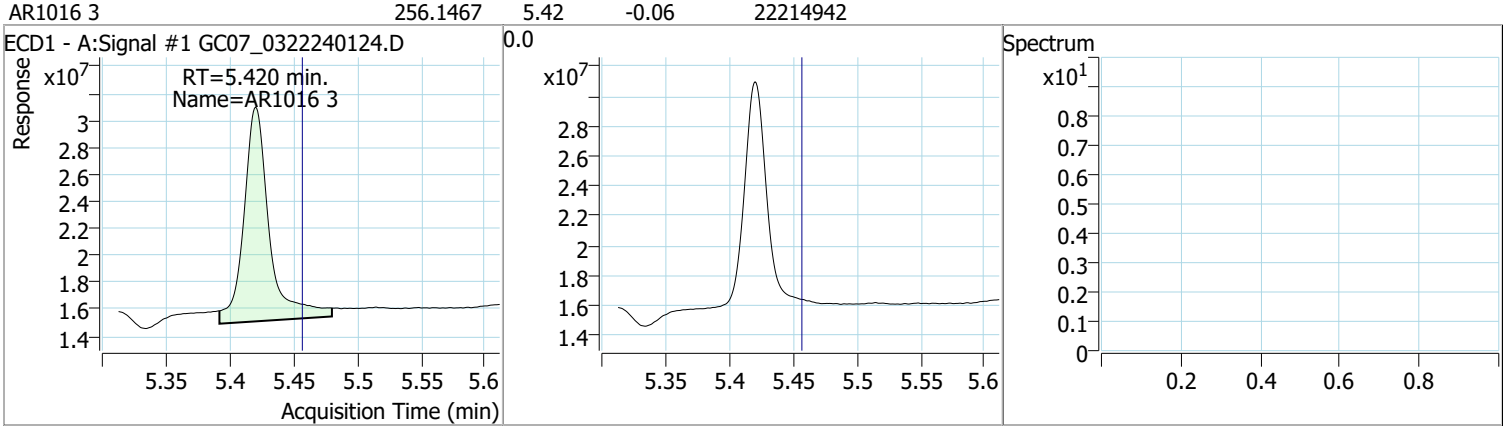
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	26.2001	5.05	-0.03	1639203				



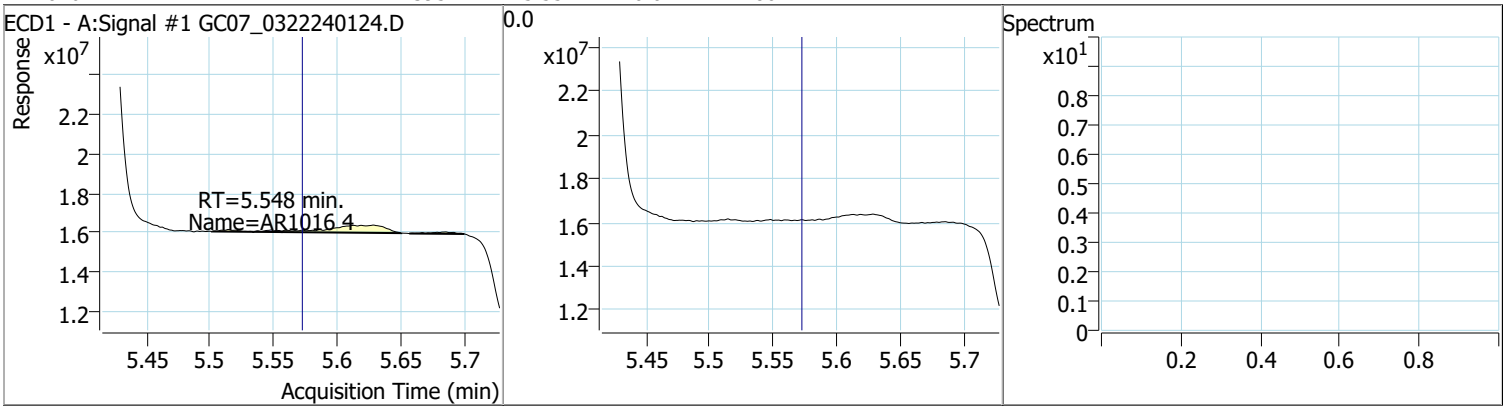
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	28.4953	5.23	-0.01	189920				



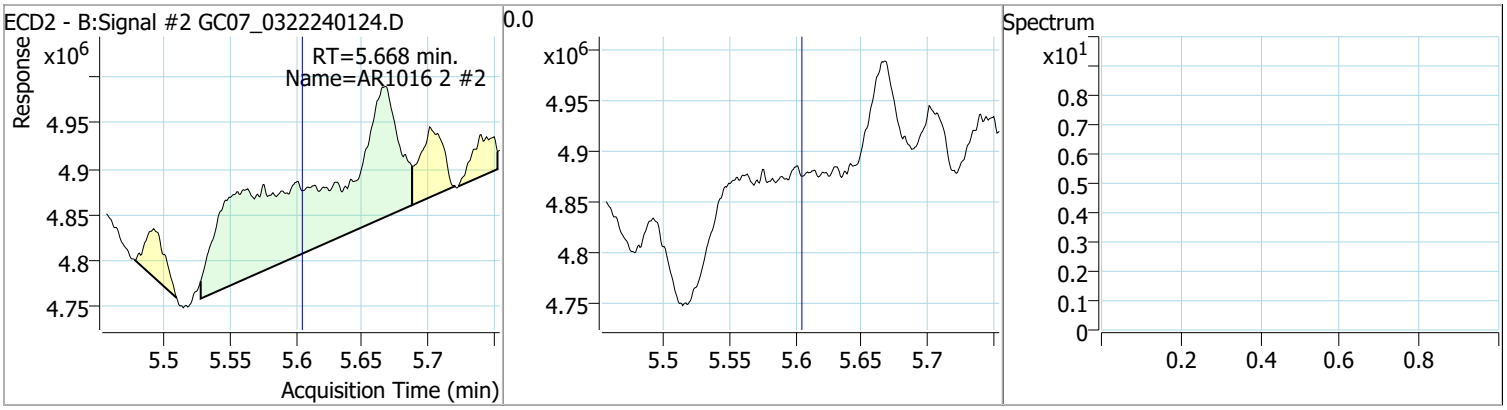
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	256.1467	5.42	-0.06	22214942				



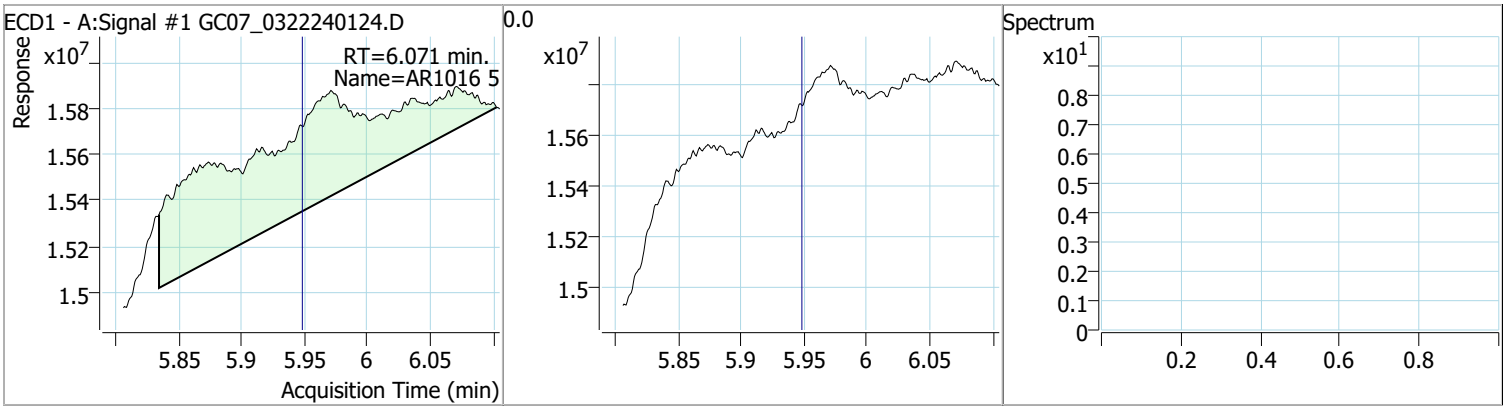
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1.3952	5.55	-0.04	80722				



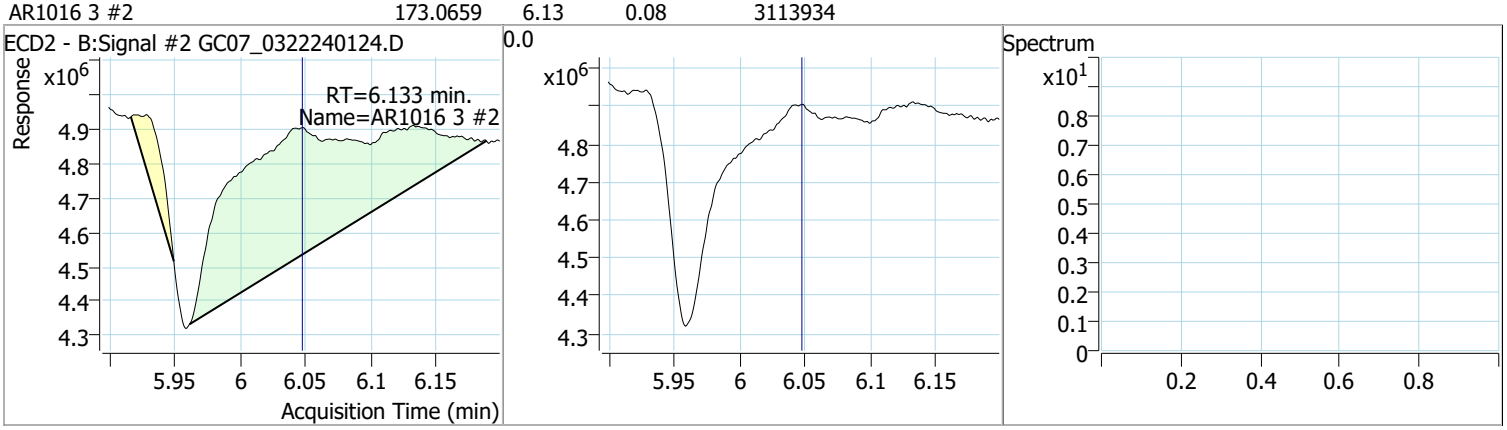
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	54.0047	5.67	0.06	748111				



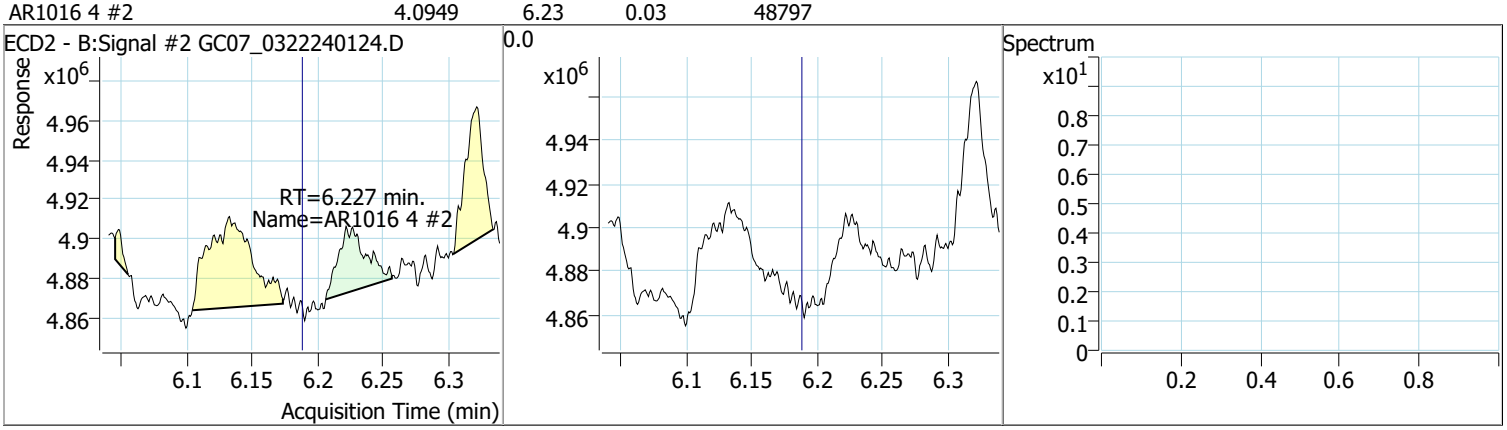
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	96.5746	6.07	0.10	4716679				



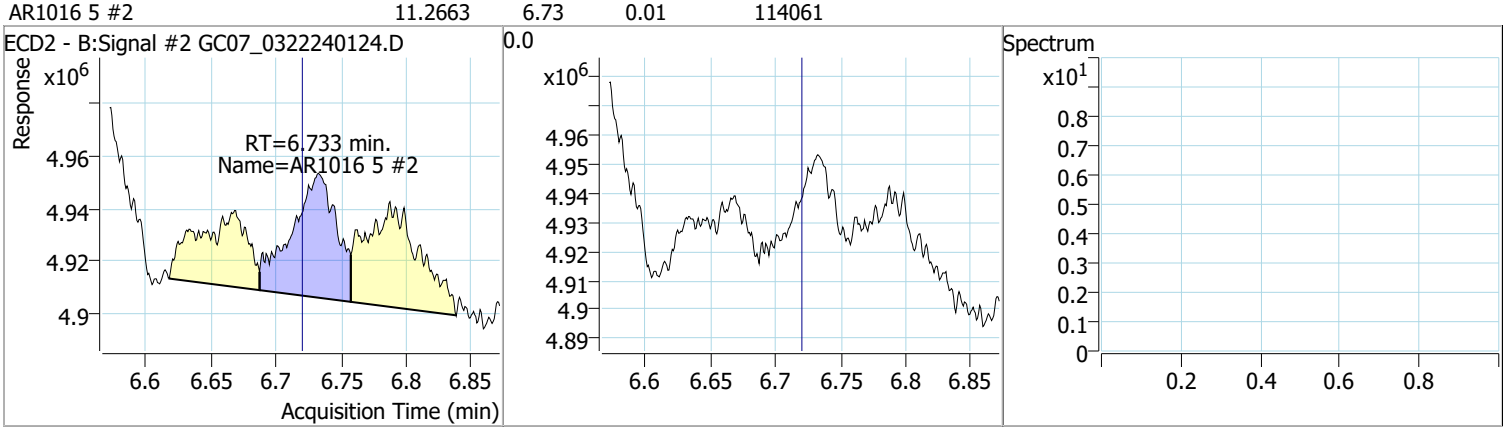
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	173.0659	6.13	0.08	3113934				



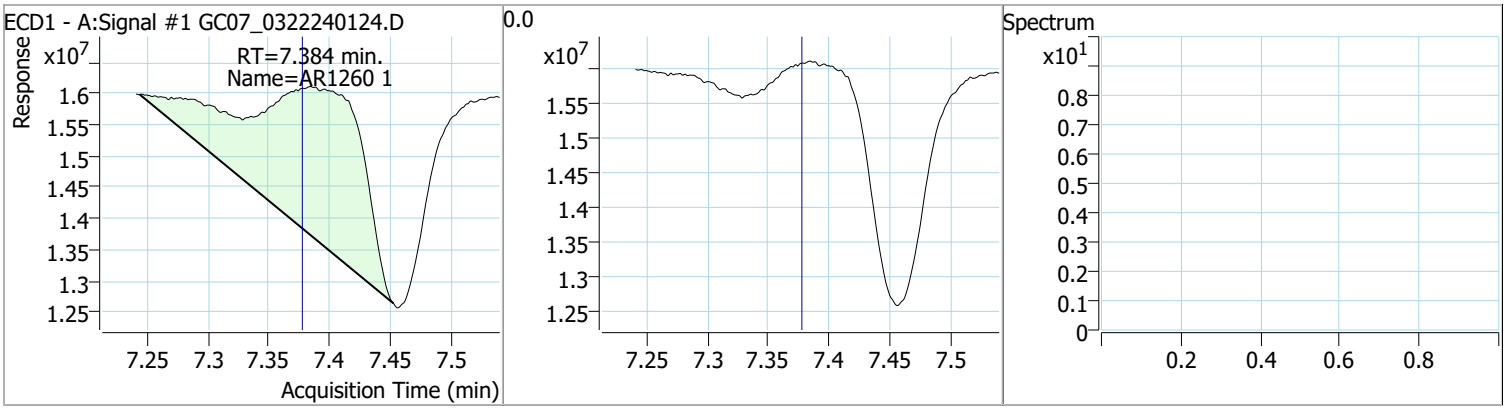
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	4.0949	6.23	0.03	48797				



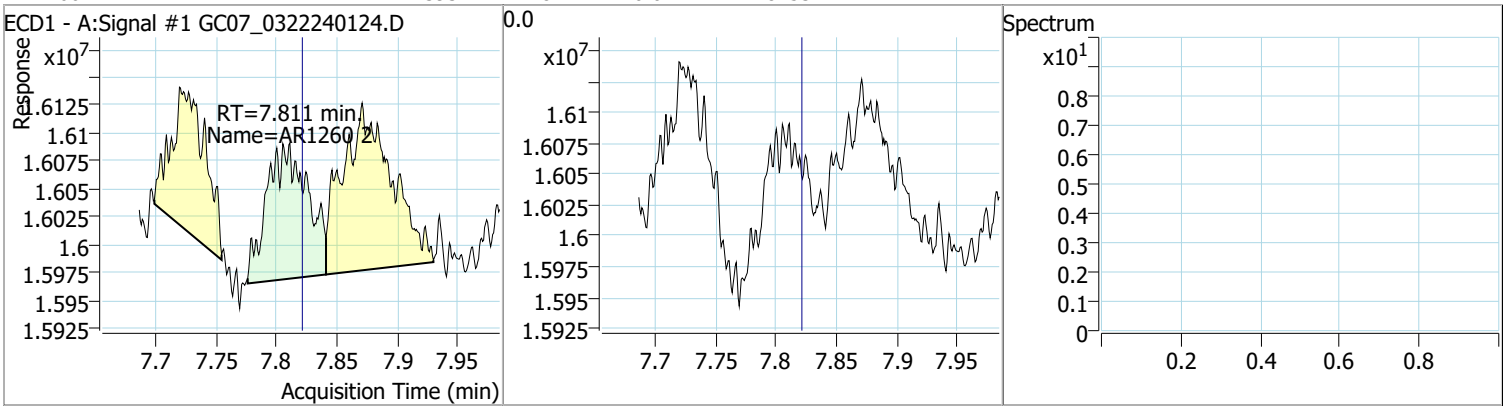
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	11.2663	6.73	0.01	114061				



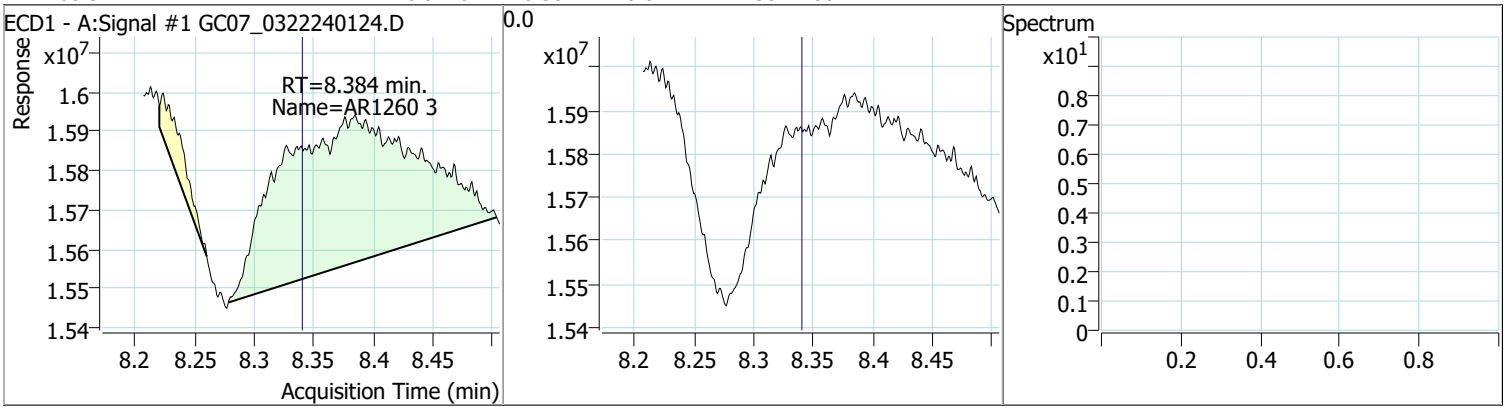
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	157.4056	7.38	-0.02	16090731				



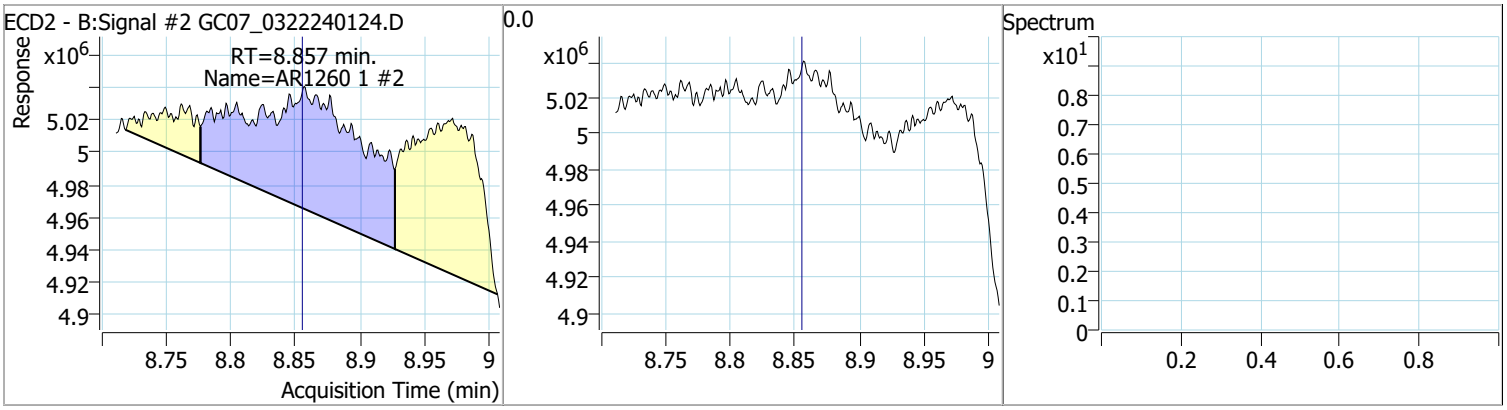
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1.7393	7.81	-0.04	287534				



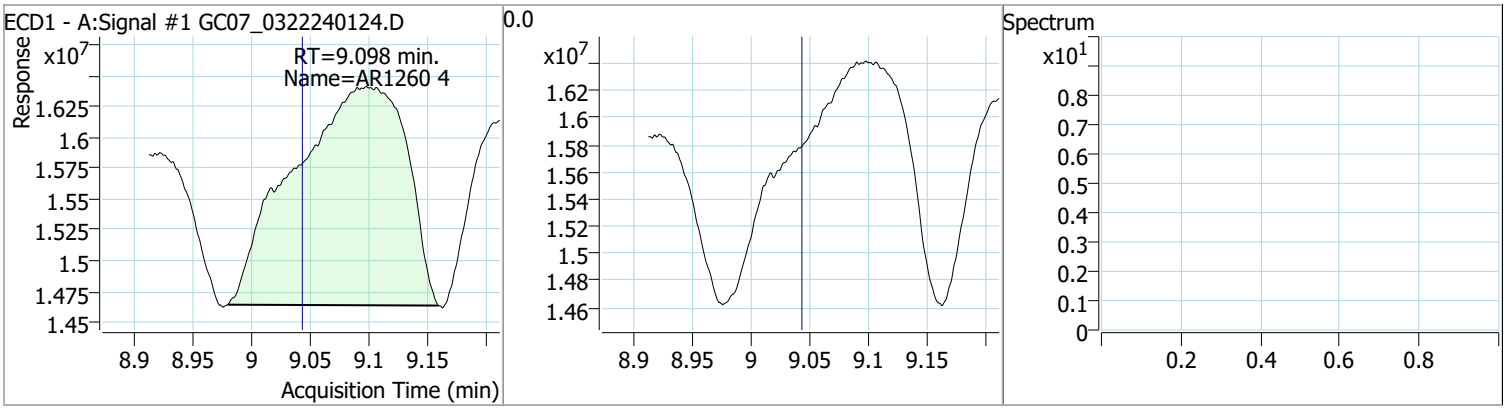
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	16.9218	8.38	0.01	3072400				



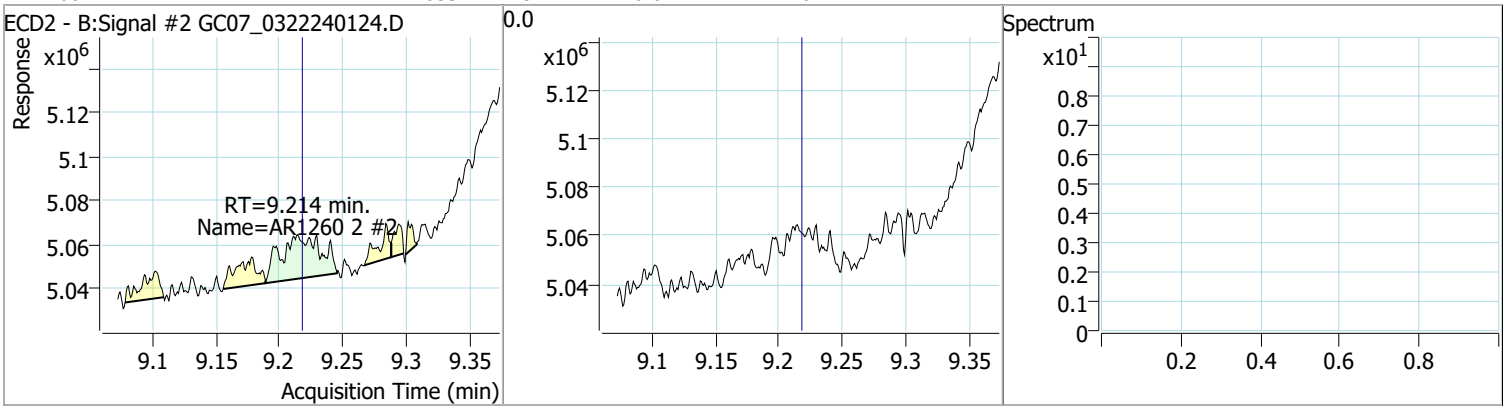
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	20.6028	8.86	-0.01	478874				



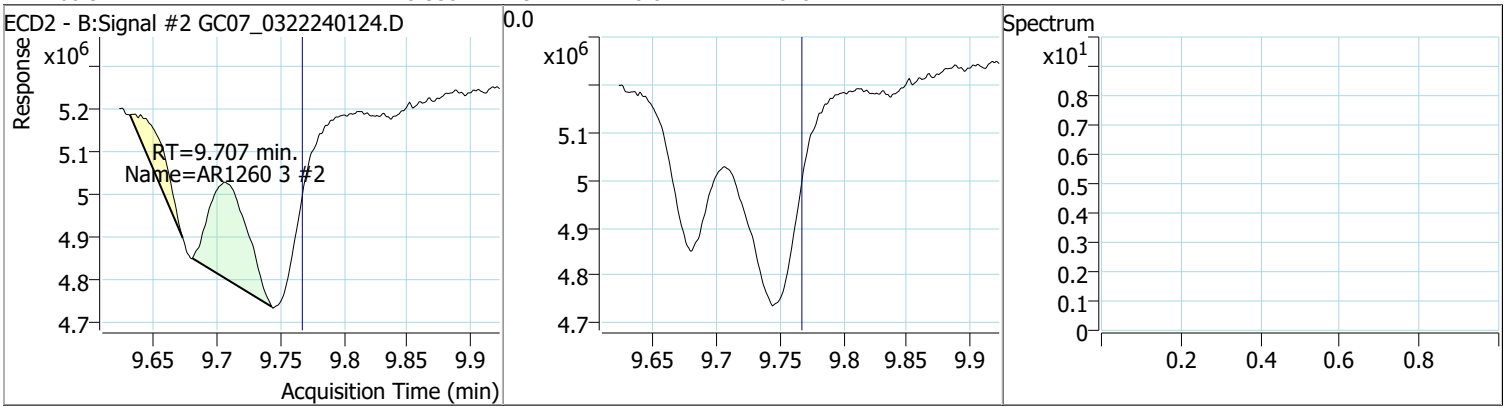
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	117.5357	9.10	0.02	11963481				



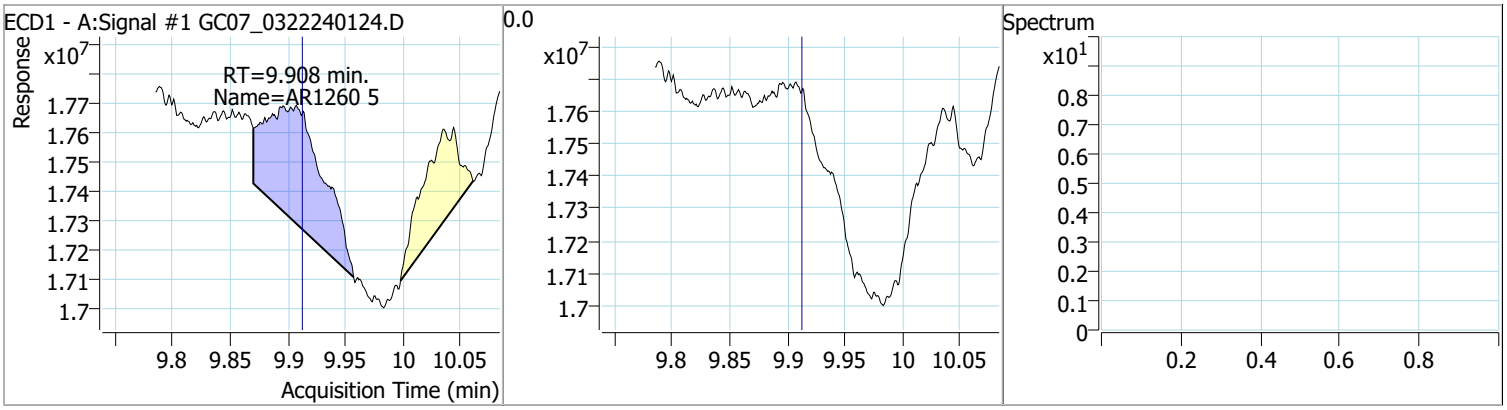
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.7033	9.21	-0.01	42746				



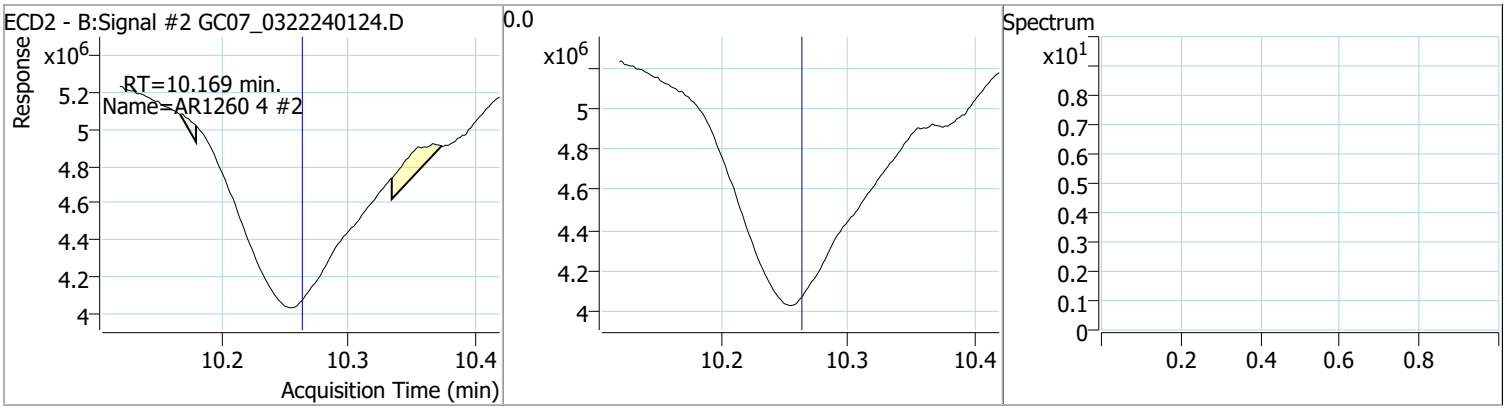
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	15.3502	9.71	-0.07	470782				



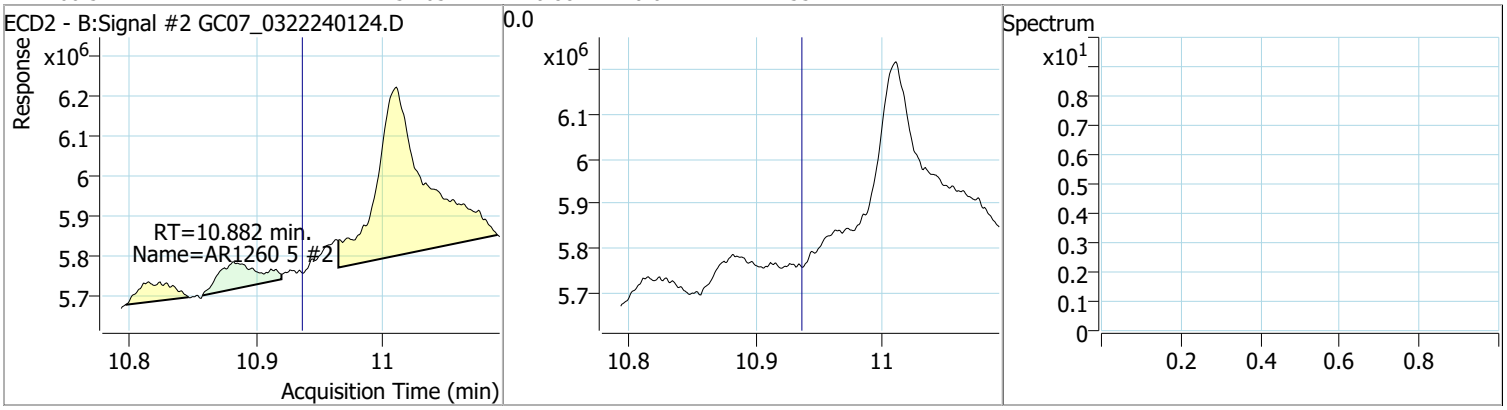
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	11.3600	9.91	-0.04	1386253				



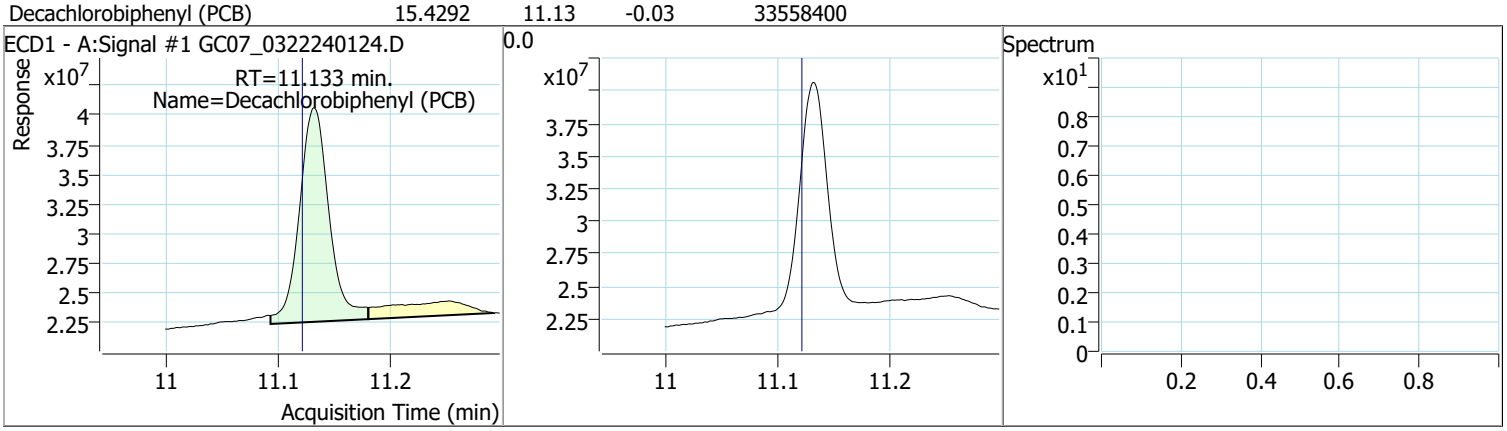
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.8793	10.17	-0.10	37182				



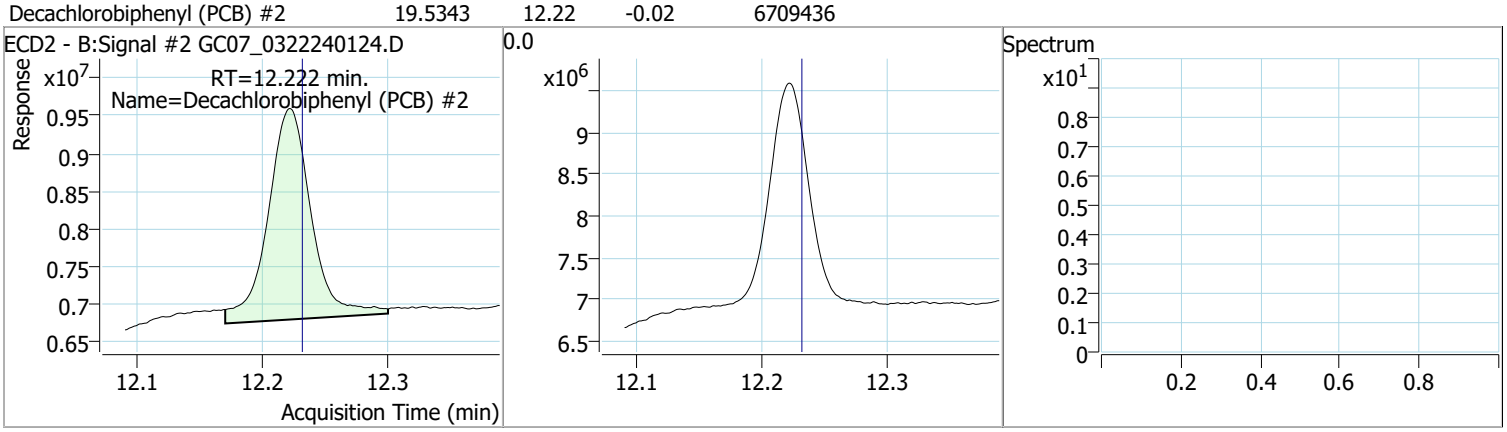
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	5.1652	10.88	-0.07	141552				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	15.4292	11.13	-0.03	33558400				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.5343	12.22	-0.02	6709436				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 504506 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Lab ID:	QC1138271		
Seqnum:	464118734110.1	Matrix:	Wipe		
File:	gc07_0322240110	Batch:	335940	Time:	22-MAR-2024 13:22
Cal:	464104819001	Caldate:	13-MAR-2024		
IDF:	1.0			Units:	ug/dm2

- 1.00 dm2 ⇨ 10.0 ml = 10.0 ml/dm2 PDF

Analyte	Ch	Raw	Raw Units	Result	Conf	RPD	RL	Flags
Aroclor-1016	B	50.30	ug/L	~~0.50~~ ~~FP~~	0.41	21%	0.50	x u
Aroclor-1016 Peak # 1	B	48.89	ug/L	0.49	0.96	65%		
Aroclor-1016 Peak # 2	B	70.09	ug/L	0.70	0.26	93%		
Aroclor-1016 Peak # 3	B	129.0	ug/L	1.29	0.55	80%		
Aroclor-1016 Peak # 4	B	1.637	ug/L	0.02	0.14	158%		
Aroclor-1016 Peak # 5	B	1.881	ug/L	0.02	0.12	144%		
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	6.787	ug/L	ND	0.53	155%	0.50	u
Aroclor-1260 Peak # 1	B	6.611	ug/L	0.07	1.40	182%		
Aroclor-1260 Peak # 2	B	1.091	ug/L	0.01	0.01	19%		
Aroclor-1260 Peak # 3	B	11.39	ug/L	0.11	0.07	49%		
Aroclor-1260 Peak # 4	B	2.193	ug/L	0.02	0.90	190%		
Aroclor-1260 Peak # 5	B	12.65	ug/L	0.13	0.30	80%		
Aroclor-1262	B			ND			0.50	u
Aroclor-1268	B			ND			0.50	u

Surrogate	Ch	Raw	Raw Units	Spiked	Result	%Rec	Limits	Flags
TCMX (PCB)	B	35.88	pg/uL	0.5000	0.3588	72	19-121	u
Decachlorobiphenyl (PCB)	B	22.54	pg/uL	0.5000	0.2254	45	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	7363464	5.04
1-bromo-2-nitrobenzene (PCB)	A	36910905	38921972	5.45

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc07_0322240104)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.68	0.00

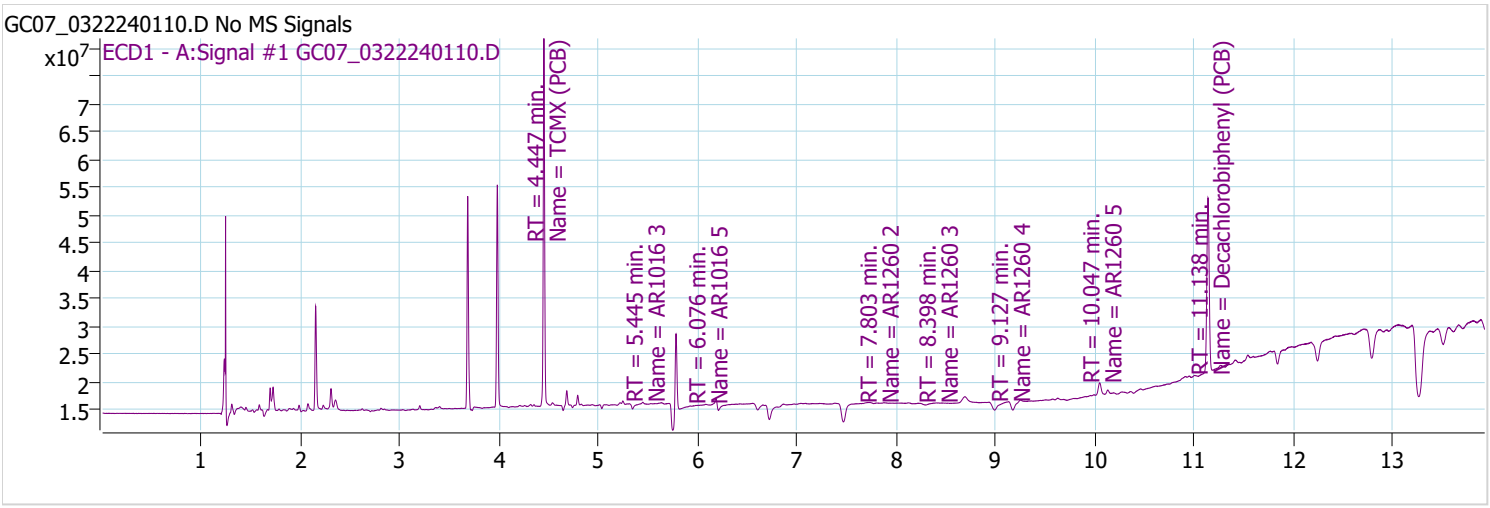
03/24/24 : WIPE/1-10ML [general version]

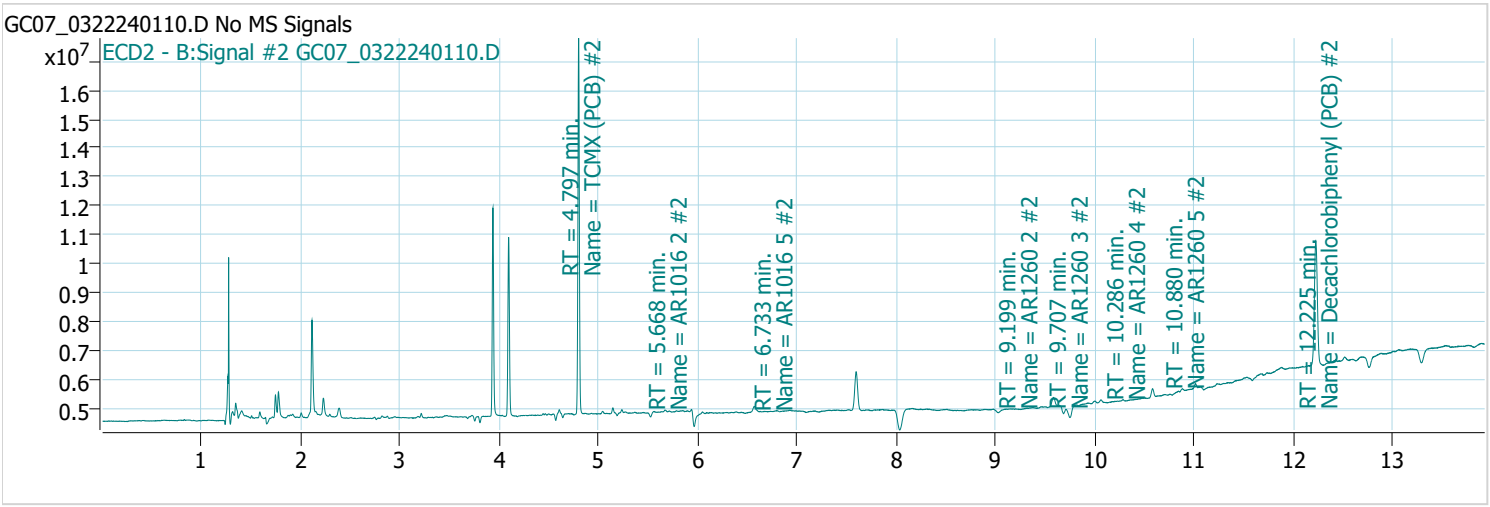
u=use x=false positive

Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240110.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 1:22:06 PM
Sample Name	QC1138271, 335940, 1	Instrument	SVOA-GC07
Vial	1	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



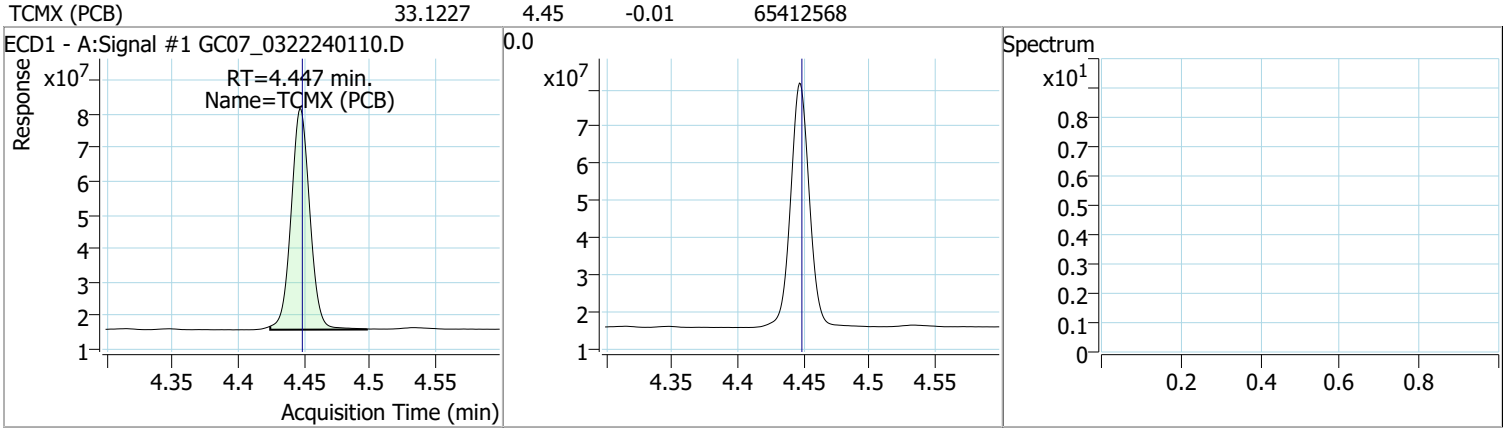


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.679	0.0	38921971.505	20.0000	ng/ml		-0.008
M 1-bromo-2-nitrobenzene (PCB) #2	3.933	0.0	7363463.730	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.447	0.0	65412567.973	33.1227	ng/ml		-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 165.61%		*	
S TCMX (PCB) #2	4.797	0.0	13287128.728	35.8780	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.39%		*	
S Decachlorobiphenyl (PCB)	11.138	0.0	52923718.535	21.1513	ng/ml		-0.024
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 105.76%			
S Decachlorobiphenyl (PCB) #2	12.225	0.0	9139103.154	22.5425	ng/ml		-0.019
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 112.71%			
Target Compounds							QValue

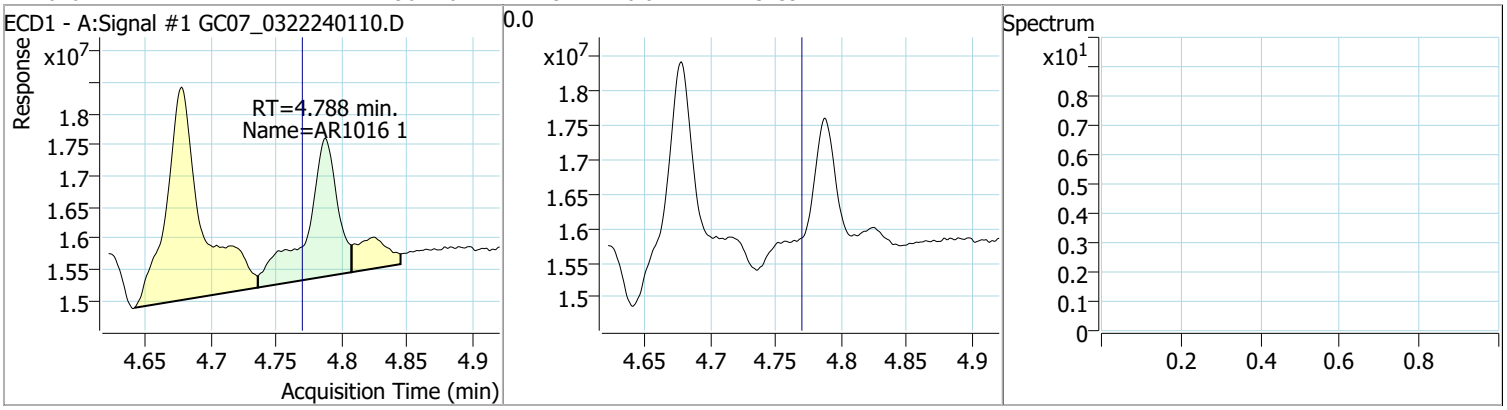
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.788	0.0	3739724.005	96.2464	ng/ml	100
T AR1016 2	5.071	0.0	1849273.771	25.6930	ng/ml	100
T AR1016 1 #2	5.232	0.0	384611.656	48.8891	ng/ml	100
T AR1016 3	5.445	0.0	5519225.530	55.3178	ng/ml	100
T AR1016 4	5.631	0.0	941330.214	14.1431	ng/ml	100
T AR1016 2 #2	5.668	0.0	1146127.582	70.0948	ng/ml	100
T AR1016 5	6.076	0.0	651974.627	11.6038	ng/ml	100
T AR1016 3 #2	6.043	0.0	2739911.686	129.0107	ng/ml	100
T AR1016 4 #2	6.178	0.0	23030.537	1.6373	ng/ml	100
T AR1016 5 #2	6.733	0.0	22481.753	1.8813	ng/ml	100
T AR1260 1	7.383	0.0	16454367.120	139.9165	ng/ml	100
T AR1260 2	7.803	0.0	172335.840	0.9062	ng/ml	100
T AR1260 3	8.398	0.0	1443342.323	6.9101	ng/ml	100
T AR1260 1 #2	8.884	0.0	181379.398	6.6112	ng/ml	100
T AR1260 4	9.127	0.0	10542484.373	90.0323	ng/ml	100
T AR1260 2 #2	9.199	0.0	32318.673	1.0911	ng/ml	100
T AR1260 3 #2	9.707	0.0	412321.807	11.3898	ng/ml	100
T AR1260 5	10.047	0.0	4153255.334	29.5848	ng/ml	100
T AR1260 4 #2	10.286	0.0	51221.327	2.1934	ng/ml	100
T AR1260 5 #2	10.880	0.0	409164.281	12.6489	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

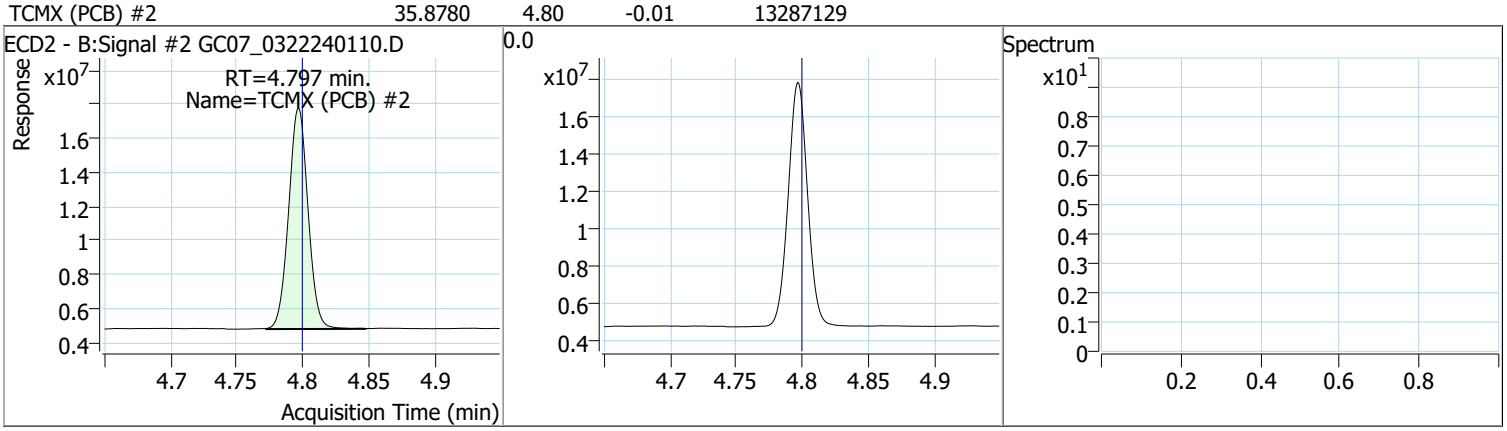
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.1227	4.45	-0.01	65412568				



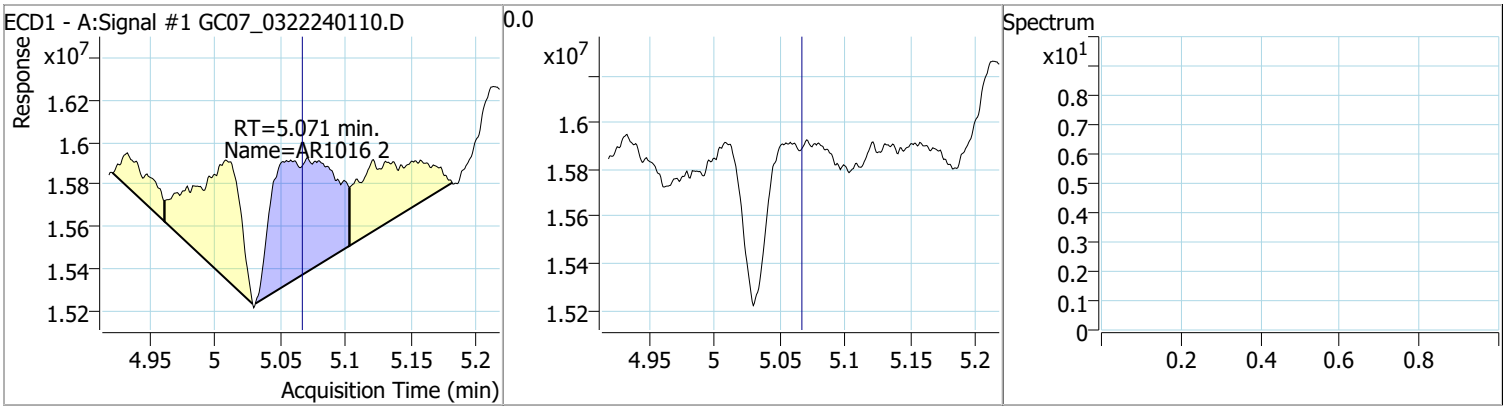
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	96.2464	4.79	0.01	3739724				



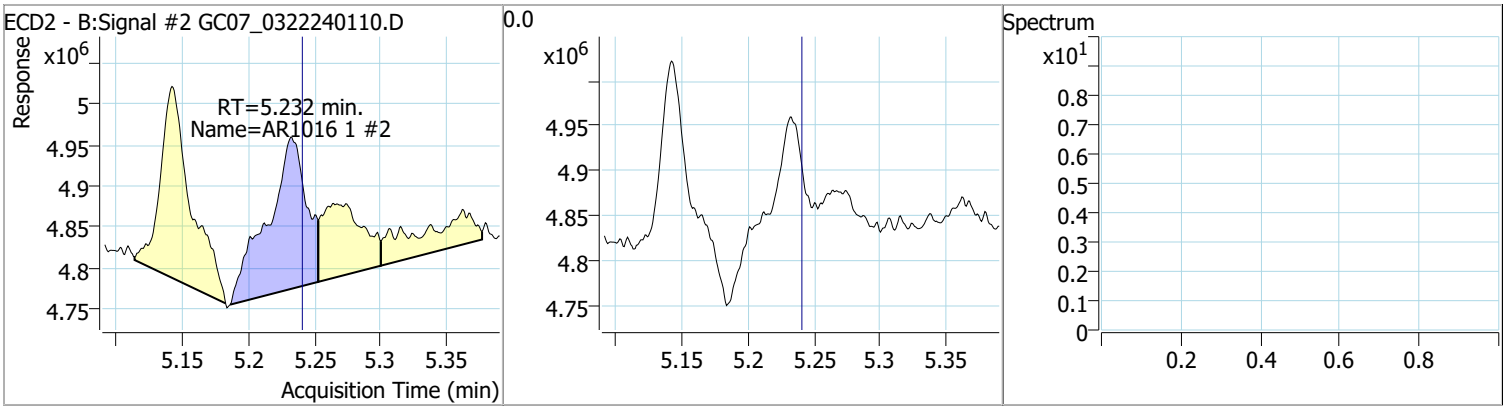
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.8780	4.80	-0.01	13287129				



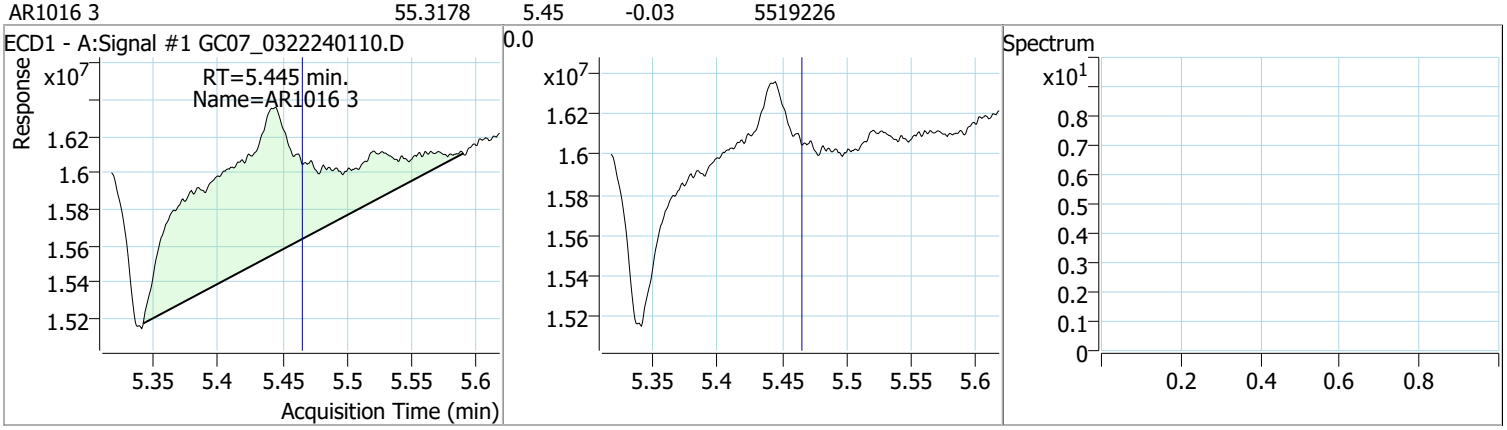
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	25.6930	5.07	-0.01	1849274				



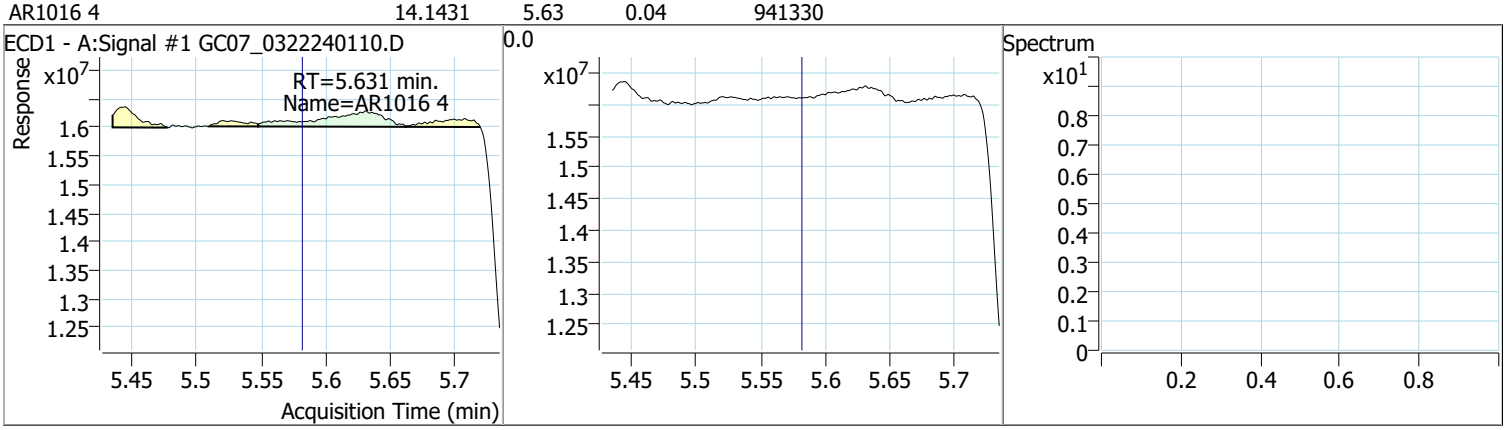
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AR1016 1 #2	48.8891	5.23	-0.01	384612				



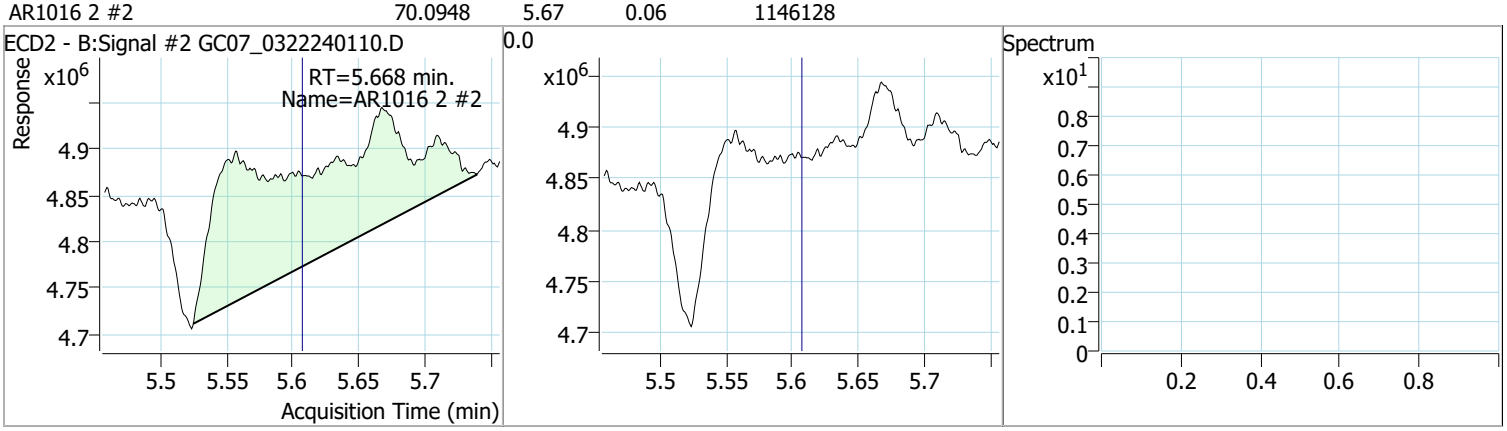
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	55.3178	5.45	-0.03	5519226				



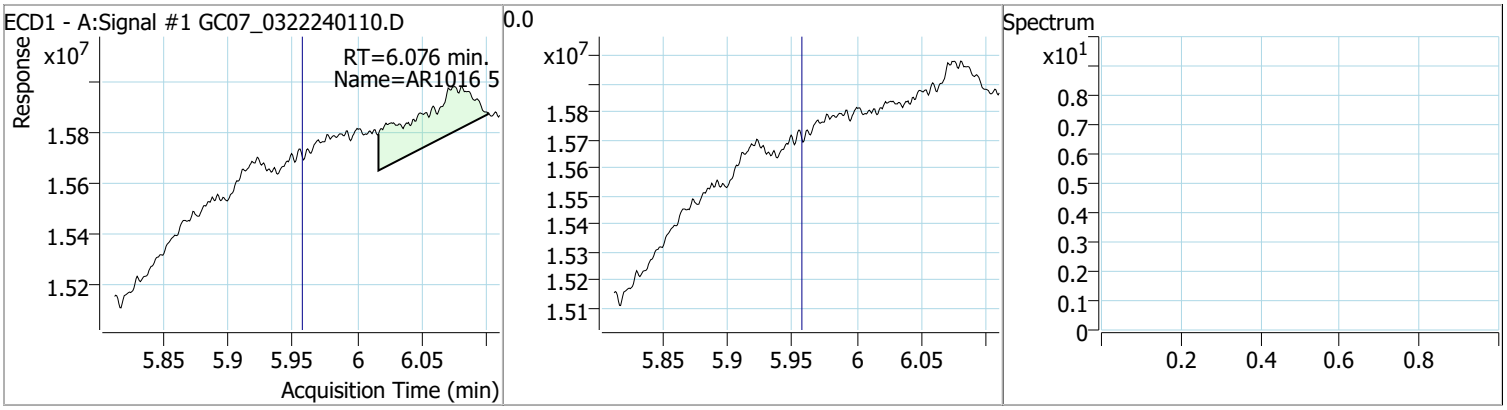
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	14.1431	5.63	0.04	941330				



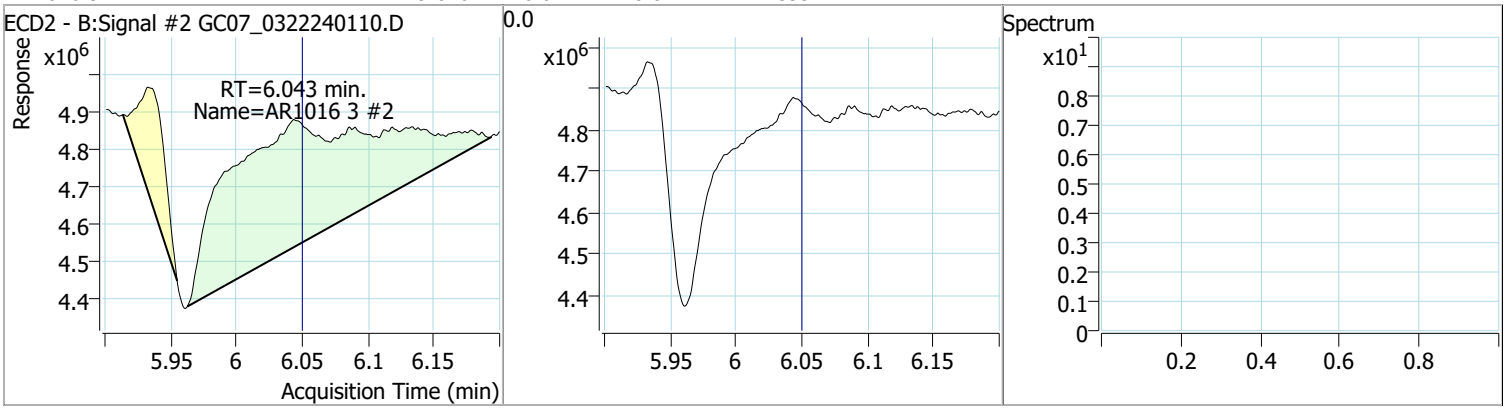
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	70.0948	5.67	0.06	1146128				



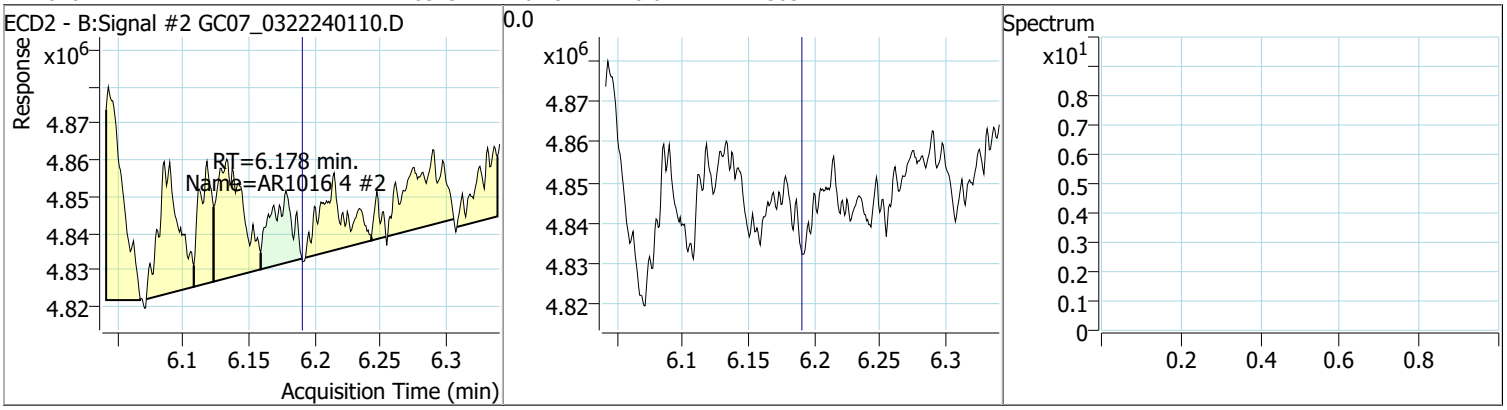
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	11.6038	6.08	0.11	651975				



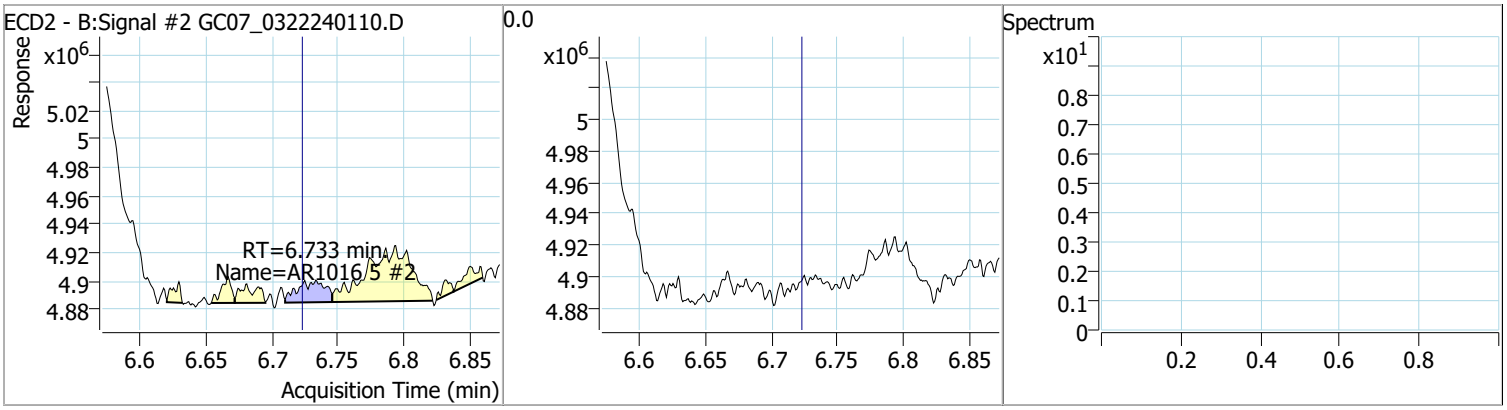
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	129.0107	6.04	-0.01	2739912				



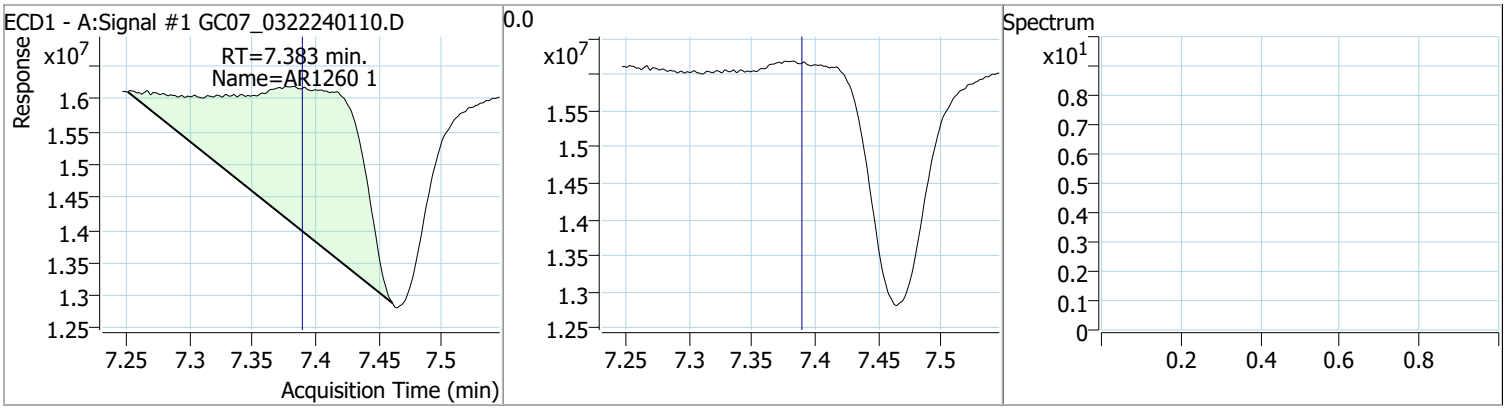
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AR1016 4 #2	1.6373	6.18	-0.02	23031				



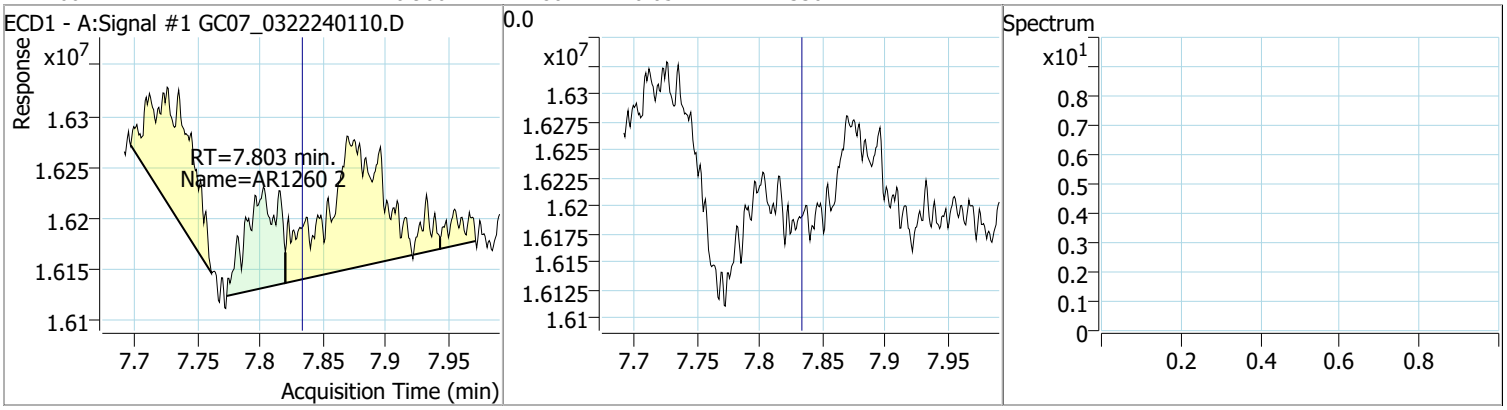
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1.8813	6.73	0.01	22482				



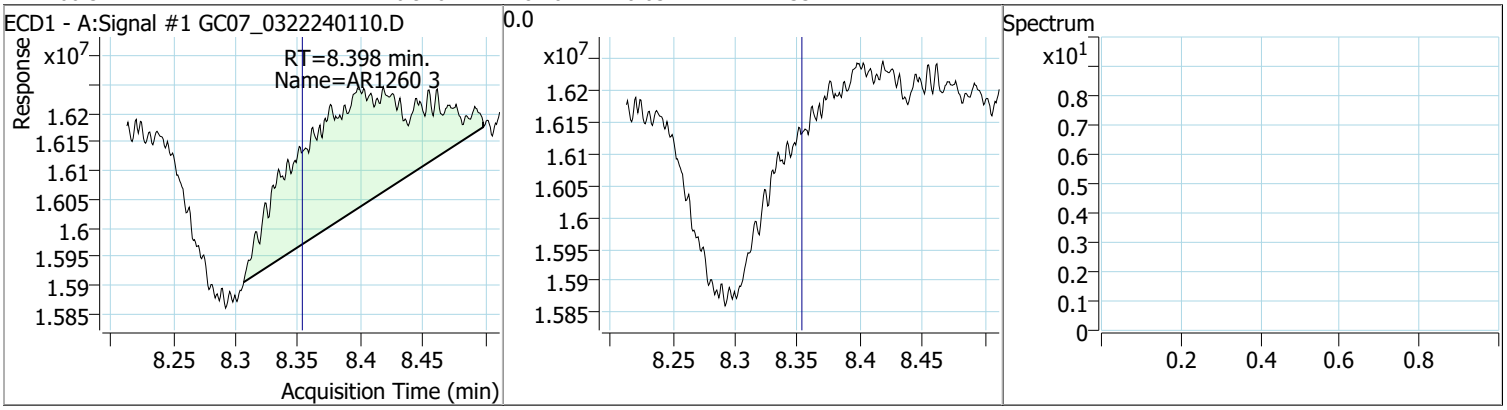
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	139.9165	7.38	-0.02	16454367				



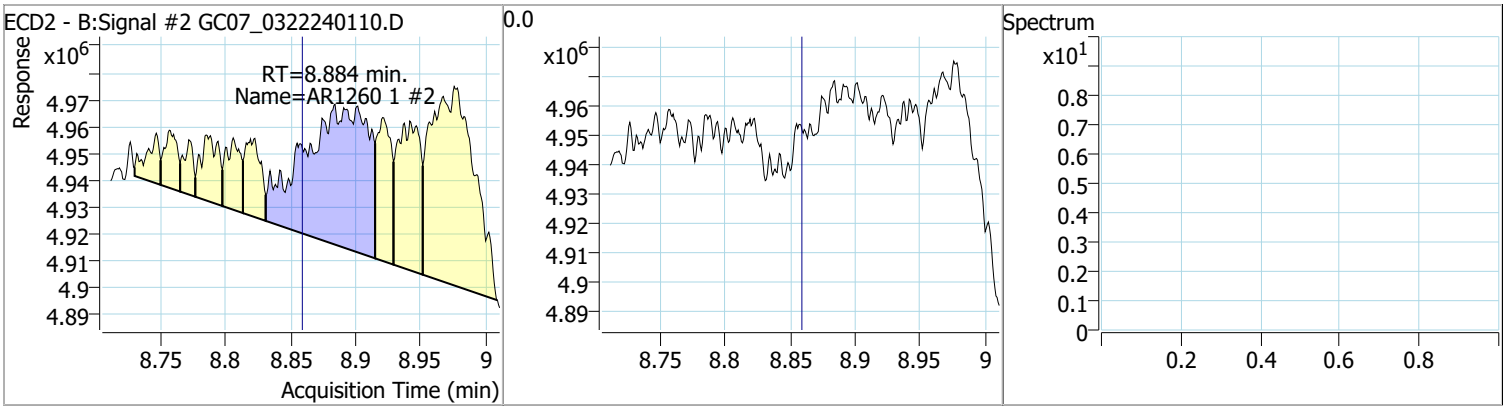
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	0.9062	7.80	-0.05	172336				



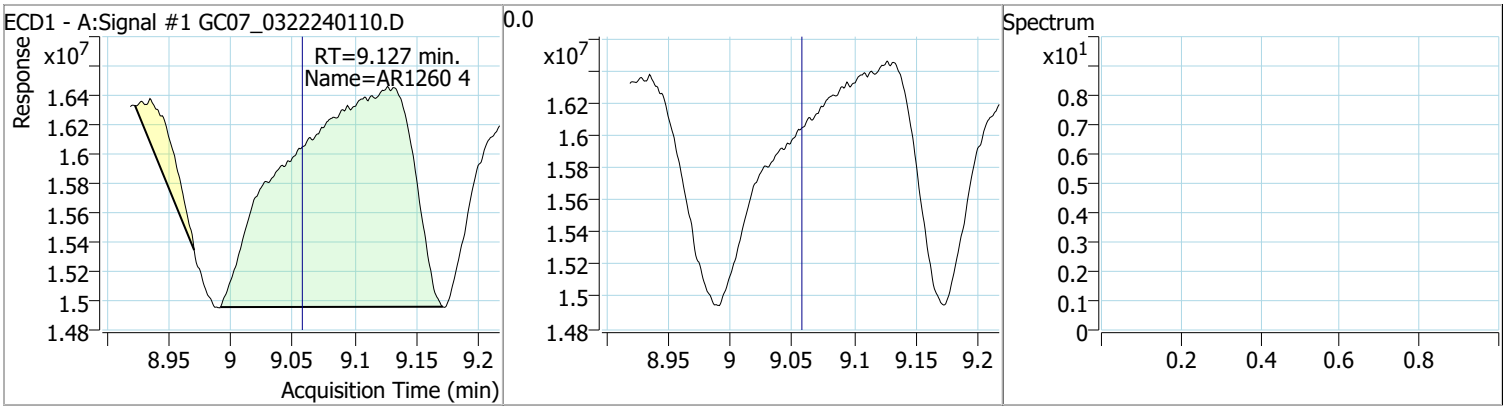
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	6.9101	8.40	0.03	1443342				



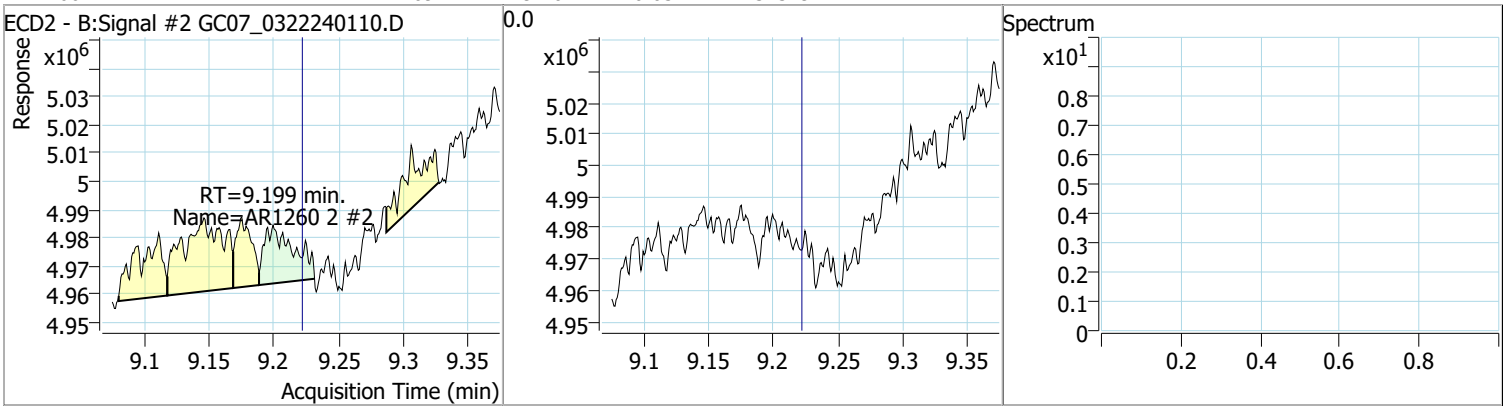
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	6.6112	8.88	0.02	181379				



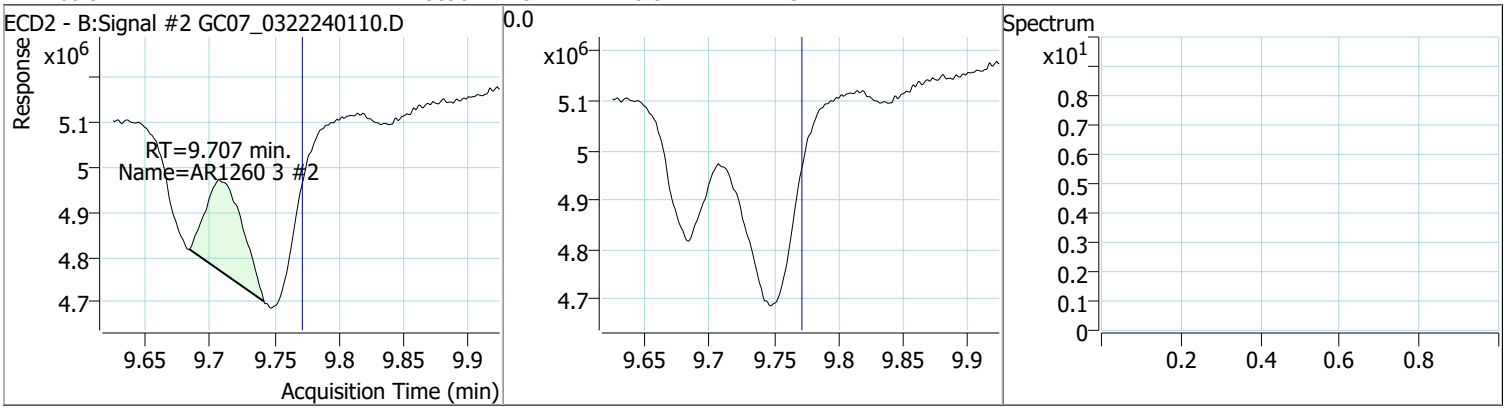
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	90.0323	9.13	0.05	10542484				



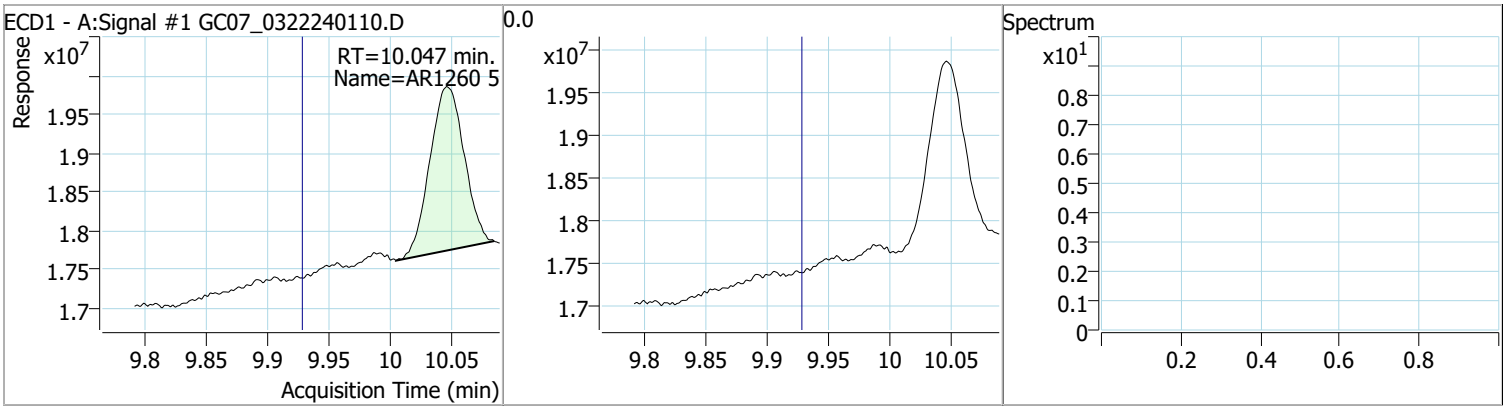
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1.0911	9.20	-0.03	32319				



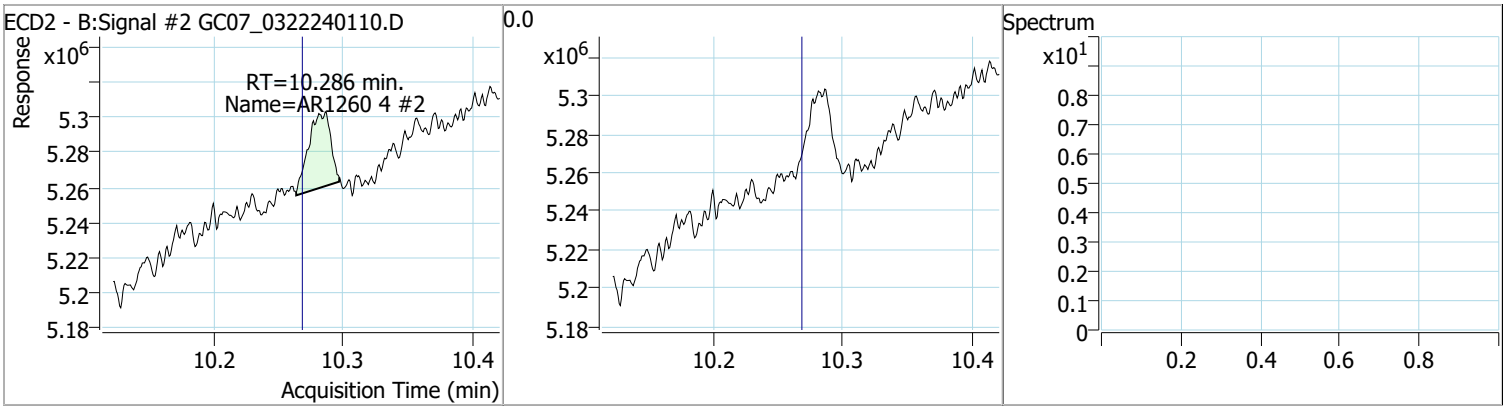
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.3898	9.71	-0.07	412322				



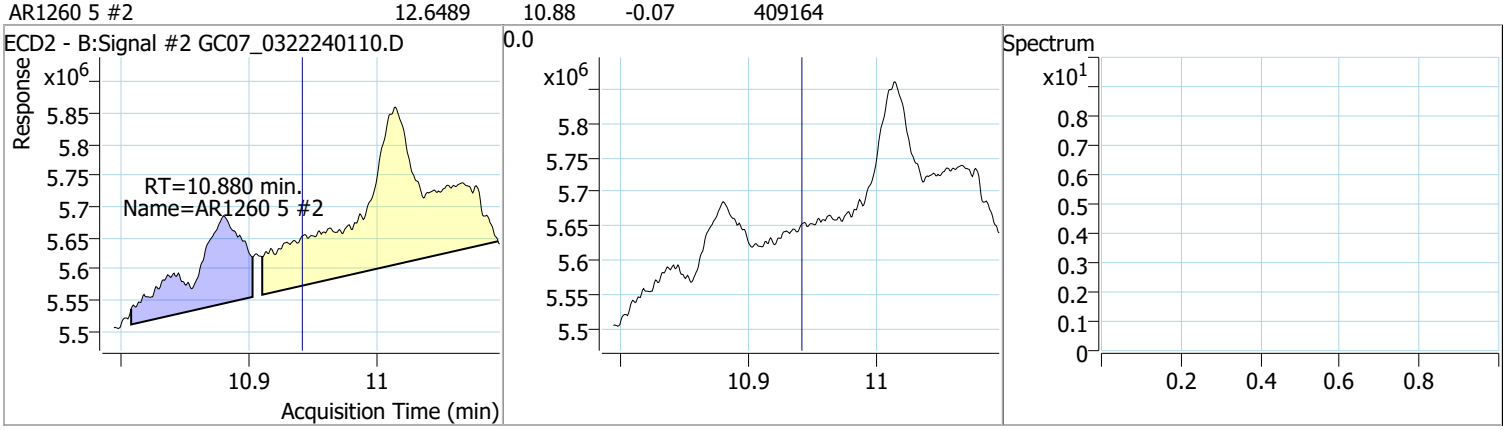
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	29.5848	10.05	0.10	4153255				



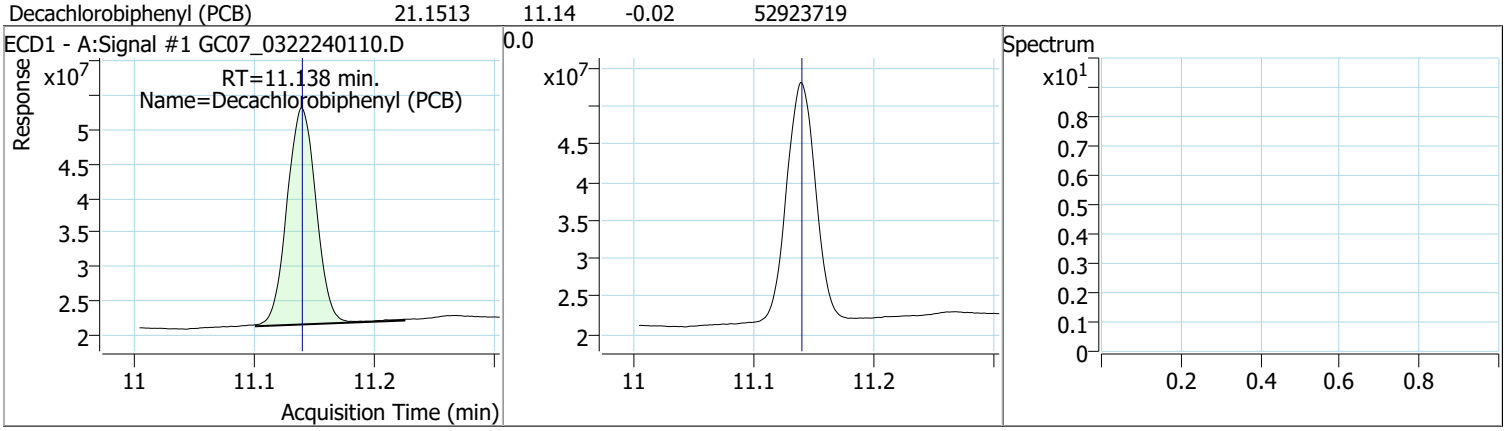
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	2.1934	10.29	0.01	51221				



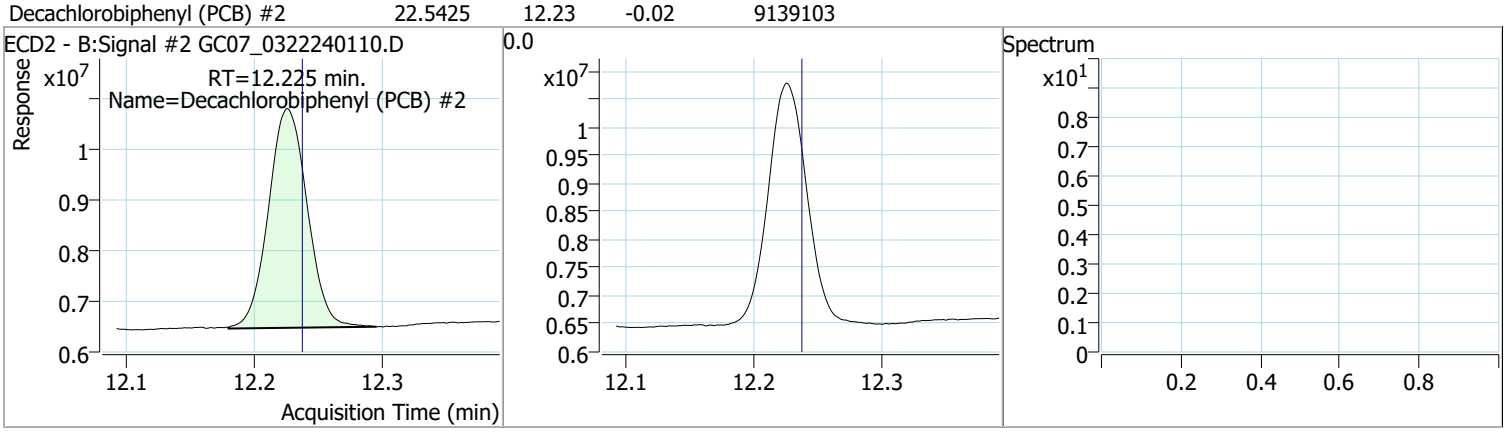
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	12.6489	10.88	-0.07	409164				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	21.1513	11.14	-0.02	52923719				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	22.5425	12.23	-0.02	9139103				



ENTHALPY SPIKE USER REPORT FOR 504506 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC07	Inst:	SVOA-GC07
Seqnum:	464118734111.1	Seqnum:	464118734112.1
File:	gc07_0322240111	File:	gc07_0322240112
IDF:	1.0	IDF:	1.0
Lab ID:	QC1138272	Lab ID:	QC1138273
Matrix:	Wipe	Matrix:	Wipe
Batch:	335940	Batch:	335940
Time:	22-MAR-2024 13:42	Time:	22-MAR-2024 14:03
Cal:	464104819001	Cal:	464104819001
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	377.6	3.776	B	76	372.0	3.720	B	74	60-140	2	20	u
Aroclor-1016 Peak # 1		374.6	3.746	B		358.9	3.589	B					
Aroclor-1016 Peak # 2		401.7	4.017	B		389.6	3.896	B					
Aroclor-1016 Peak # 3		353.6	3.536	B		373.3	3.733	B					
Aroclor-1016 Peak # 4		379.6	3.796	B		370.0	3.700	B					
Aroclor-1016 Peak # 5		378.7	3.787	B		368.1	3.681	B					
Aroclor-1260	5.000	342.1	3.421	B	68	331.7	3.317	B	66	60-140	3	20	u
Aroclor-1260 Peak # 1		404.8	4.048	B		394.3	3.943	B					
Aroclor-1260 Peak # 2		402.8	4.028	B		392.3	3.923	B					
Aroclor-1260 Peak # 3		381.4	3.814	B		369.2	3.692	B					
Aroclor-1260 Peak # 4		154.0	1.540	B		161.0	1.610	B					
Aroclor-1260 Peak # 5		367.5	3.675	B		341.9	3.419	B					
Surrogates													
TCMX (PCB)	0.5000	35.55	0.3555	B	71	34.37	0.3437	B	69	19-121			u
Decachlorobiphenyl (PCB)	0.5000	22.89	0.2289	B	46	21.68	0.2168	B	43	19-121			u

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	6949715	-0.86
1-bromo-2-nitrobenzene (PCB)	A	36910905	35960716	-2.57

ISTD (CCV gc07_0322240104)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.68	0.00

ISTD (CCV gc07_0322240104)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	7009835	7135551	1.79
1-bromo-2-nitrobenzene (PCB)	A	36910905	39219158	6.25

ISTD (CCV gc07_0322240104)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.93	3.93	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.68	3.68	0.00

03/24/24 : WIPE/1-10ML [general version]

TJW 03/24/24 [Aroclor-1260 Peak # 1 A]: Corrected automatically drawn baseline for spike & dup. [general version]

TJW 03/24/24 [Aroclor-1016 Peak # 3 A]: Corrected automatically drawn baseline for spike & dup. [general version]

TJW 03/24/24 [Aroclor-1016 Peak # 3 B]: Corrected automatically drawn baseline for spike. [general version]

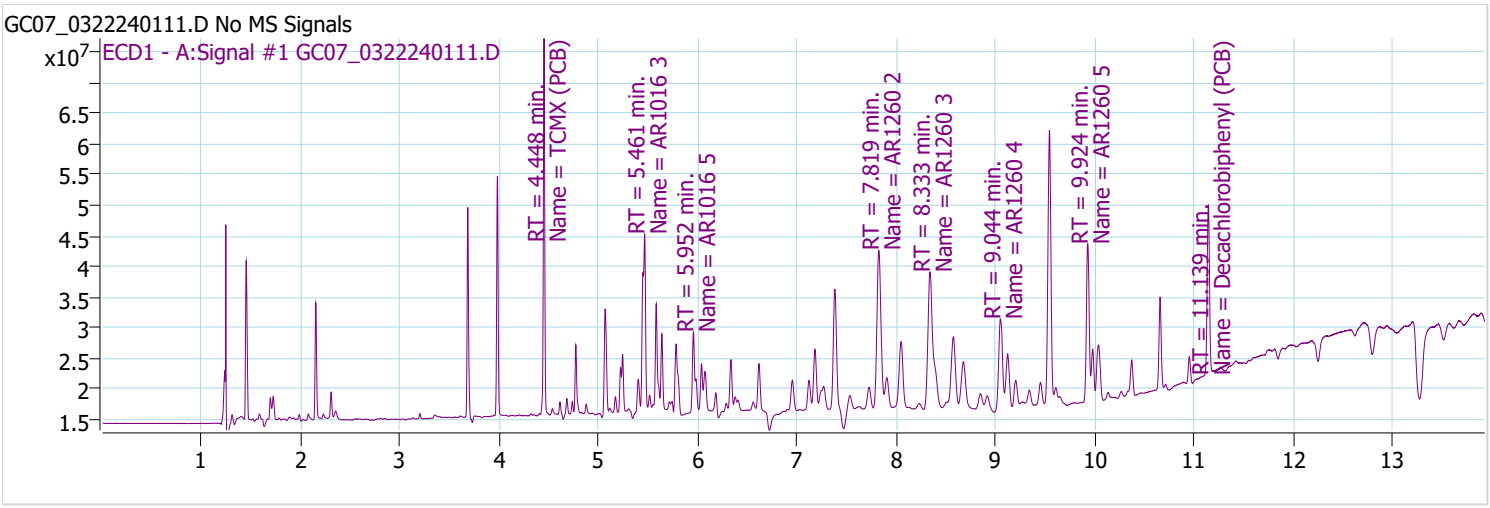
TJW 03/24/24 [Aroclor-1260 Peak # 4 B]: Corrected automatically drawn baseline for dup. [general version]

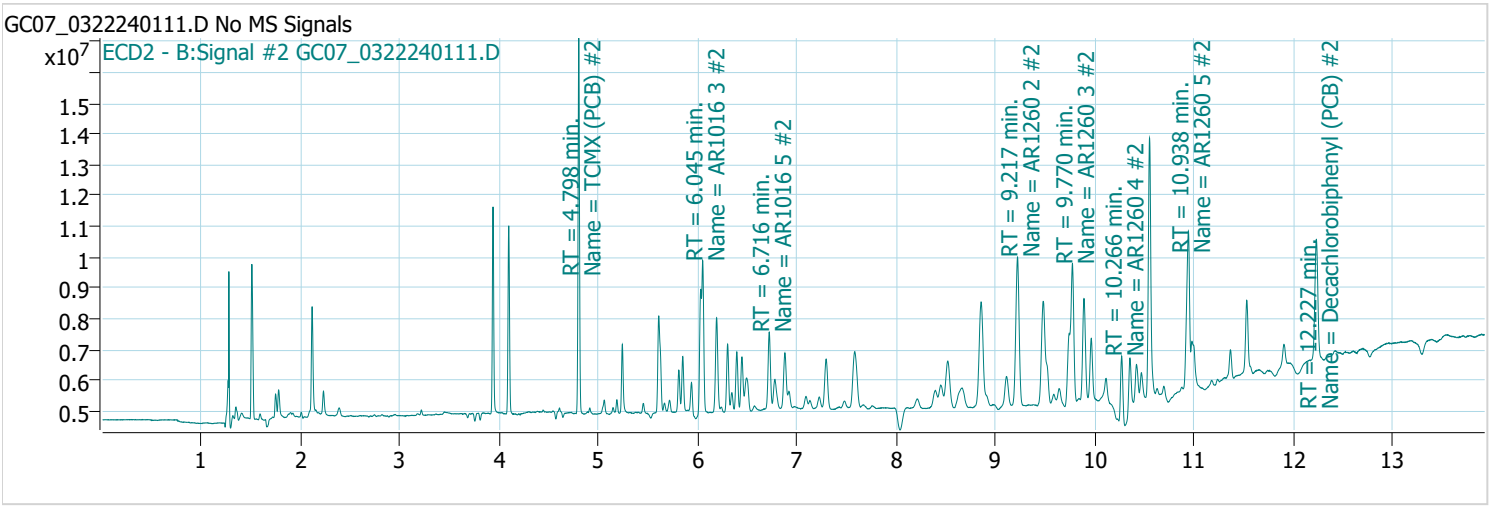
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Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240111.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 1:42:49 PM
Sample Name	QC1138272, 335940, 1	Instrument	SVOA-GC07
Vial	2	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



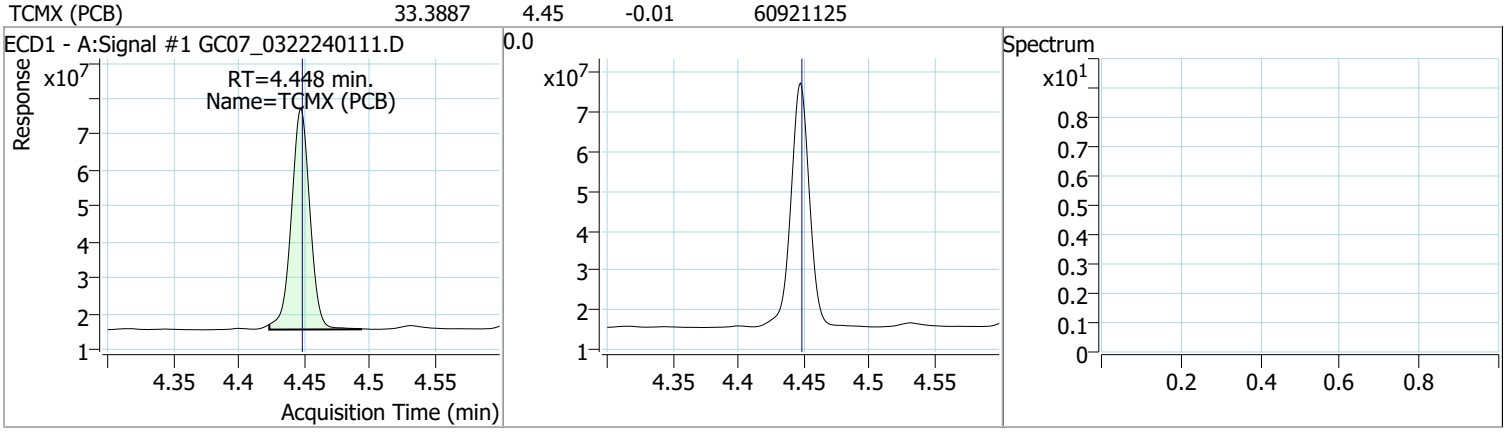


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.679	0.0	35960716.041	20.0000	ng/ml		-0.008
M 1-bromo-2-nitrobenzene (PCB) #2	3.933	0.0	6949714.726	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.448	0.0	60921124.843	33.3887	ng/ml		-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 166.94%		*	
S TCMX (PCB) #2	4.798	0.0	12427099.410	35.5535	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 177.77%		*	
S Decachlorobiphenyl (PCB)	11.139	0.0	47541396.728	20.5648	ng/ml		-0.023
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 102.82%			
S Decachlorobiphenyl (PCB) #2	12.227	0.0	8757540.801	22.8874	ng/ml		-0.017
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 114.44%			
Target Compounds							QValue

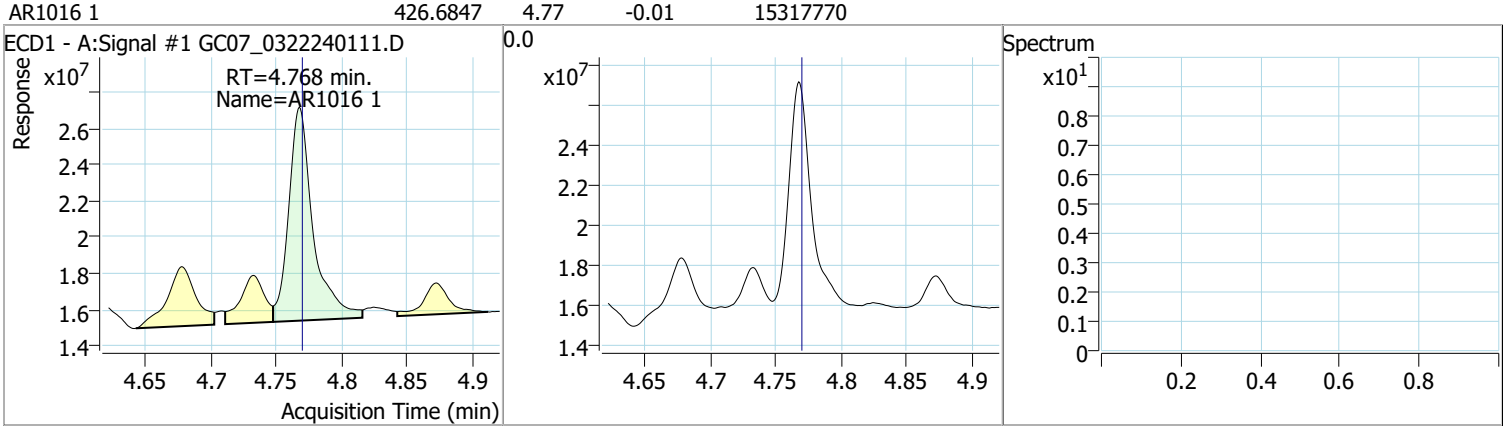
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.768	0.0	15317769.888	426.6847	ng/ml		100
T AR1016 2	5.063	0.0	27226921.821	409.4298	ng/ml		100
T AR1016 1 #2	5.236	0.0	2781120.055	374.5630	ng/ml		100
T AR1016 3	5.461	0.0	37100050.024	402.4649	ng/ml	m	100
T AR1016 4	5.578	0.0	24926784.931	405.3540	ng/ml		100
T AR1016 2 #2	5.603	0.0	6198558.596	401.6600	ng/ml		100
T AR1016 5	5.952	0.0	19720673.581	379.8904	ng/ml		100
T AR1016 3 #2	6.045	0.0	7088200.036	353.6228	ng/ml	m	100
T AR1016 4 #2	6.186	0.0	5039337.782	379.5972	ng/ml		100
T AR1016 5 #2	6.716	0.0	4271174.261	378.6993	ng/ml		100
T AR1260 1	7.377	0.0	45957660.790	422.9727	ng/ml	m	100
T AR1260 2	7.819	0.0	73010256.402	415.5067	ng/ml		100
T AR1260 3	8.333	0.0	83036815.106	430.2781	ng/ml		100
T AR1260 1 #2	8.850	0.0	10482338.941	404.8236	ng/ml		100
T AR1260 4	9.044	0.0	40105615.904	370.7040	ng/ml		100
T AR1260 2 #2	9.217	0.0	11260967.083	402.7990	ng/ml		100
T AR1260 3 #2	9.770	0.0	13031917.281	381.4208	ng/ml		100
T AR1260 5	9.924	0.0	50560861.446	389.8174	ng/ml		100
T AR1260 4 #2	10.266	0.0	3394521.750	154.0140	ng/ml		100
T AR1260 5 #2	10.938	0.0	11221073.686	367.5410	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

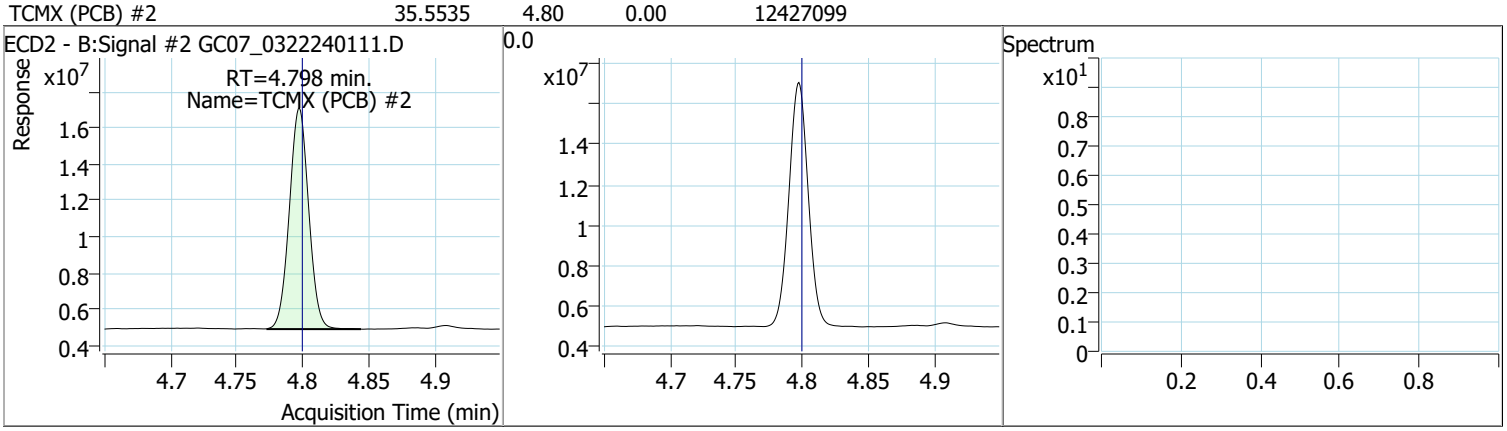
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	33.3887	4.45	-0.01	60921125				



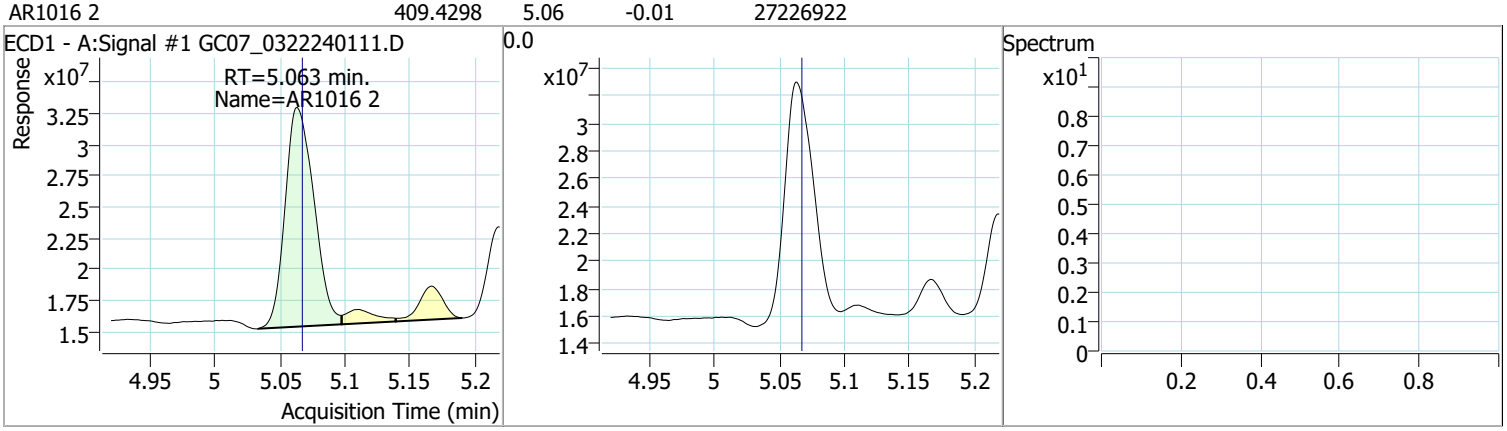
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	426.6847	4.77	-0.01	15317770				



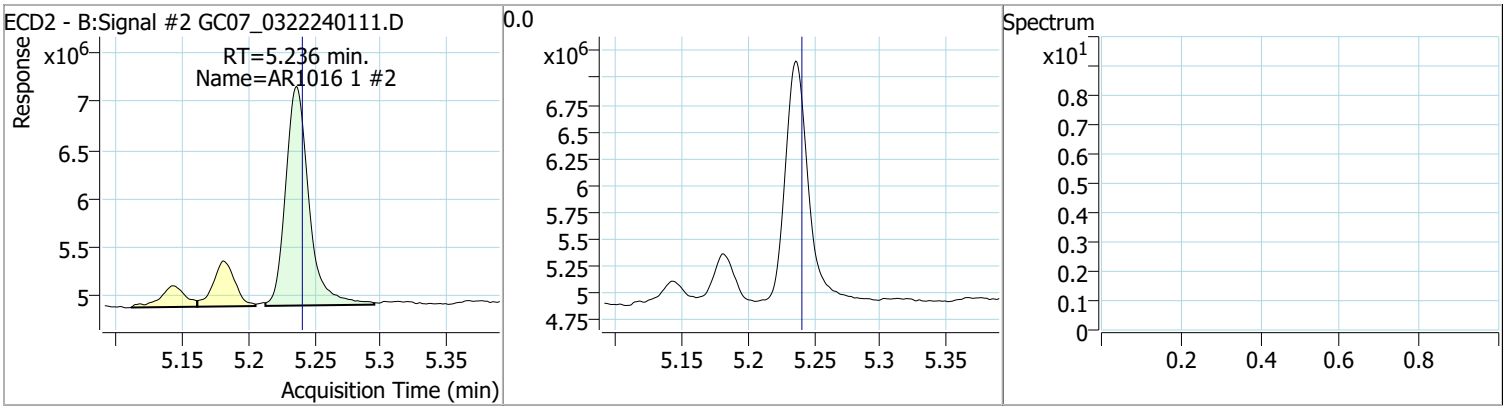
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.5535	4.80	0.00	12427099				



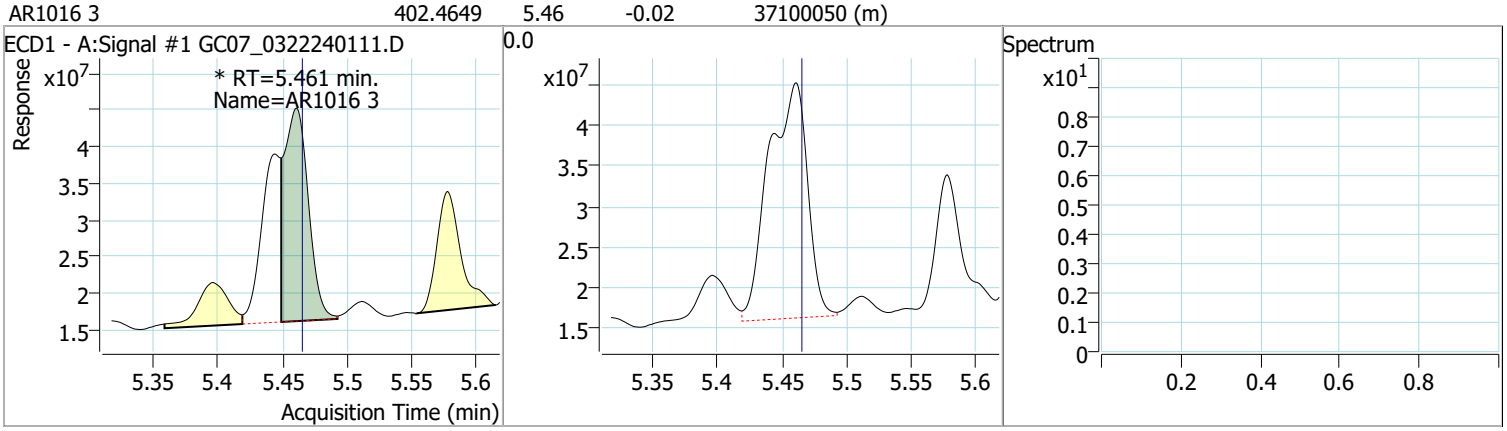
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	409.4298	5.06	-0.01	27226922				



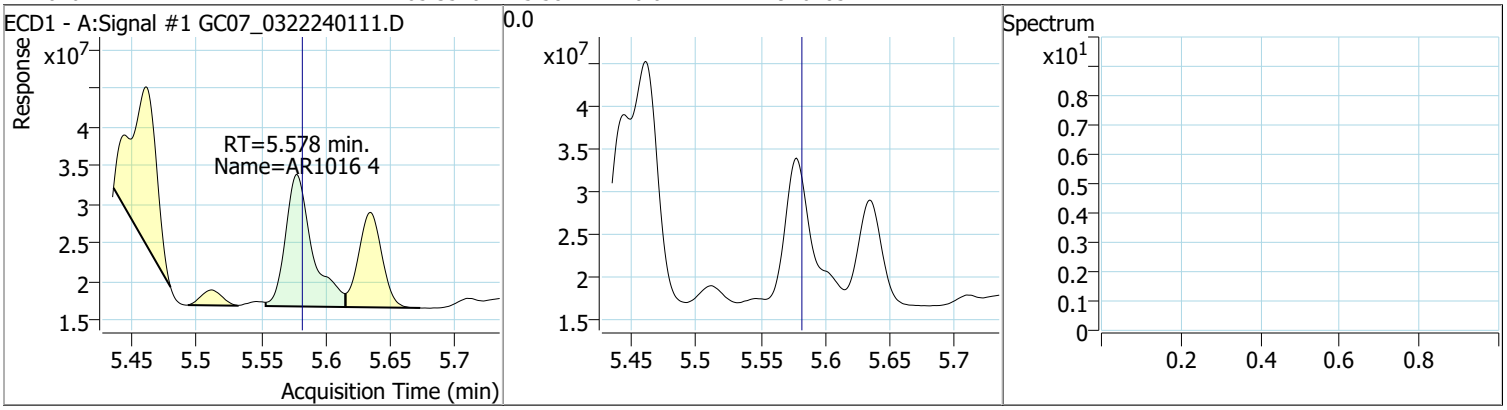
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AR1016 1 #2	374.5630	5.24	-0.01	2781120				



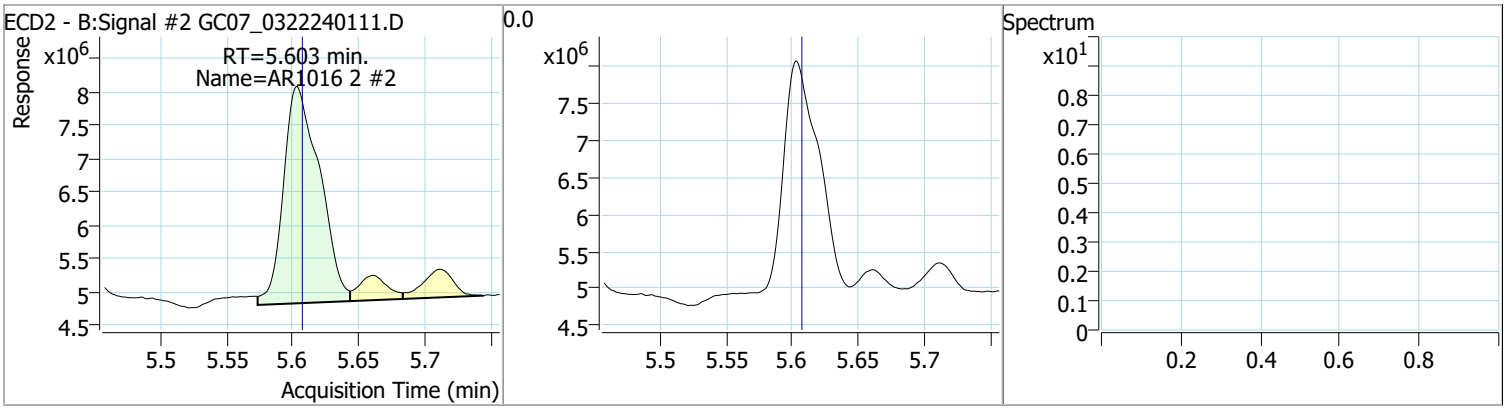
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	402.4649	5.46	-0.02	37100050 (m)				



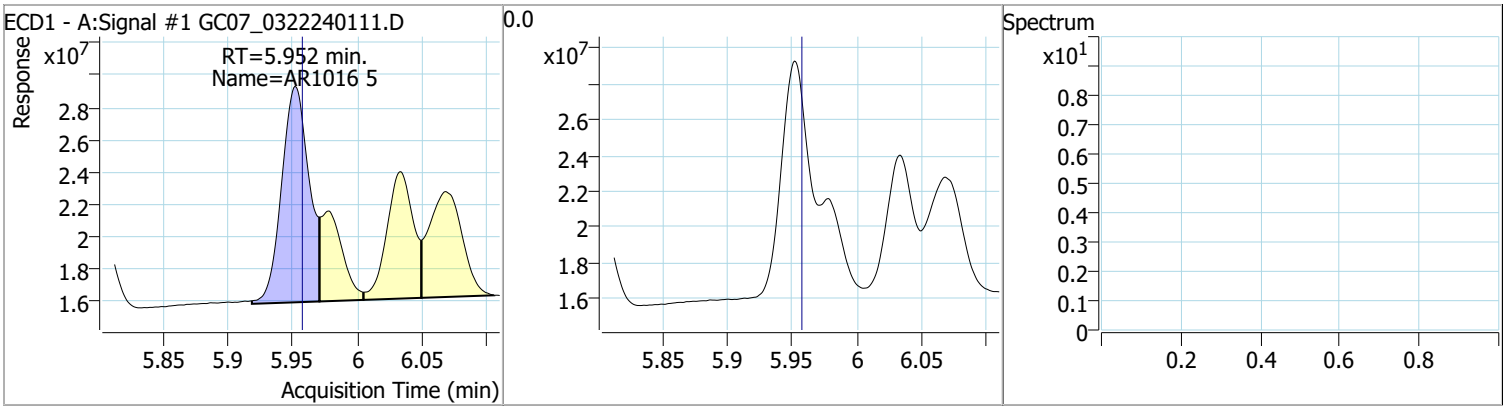
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	405.3540	5.58	-0.01	24926785				



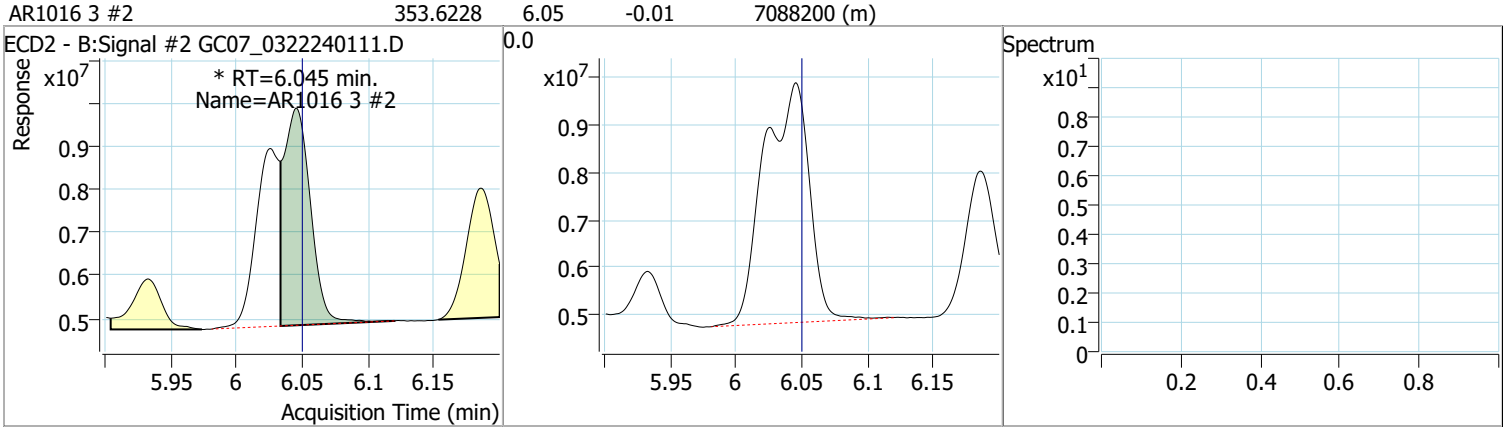
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	401.6600	5.60	-0.01	6198559				



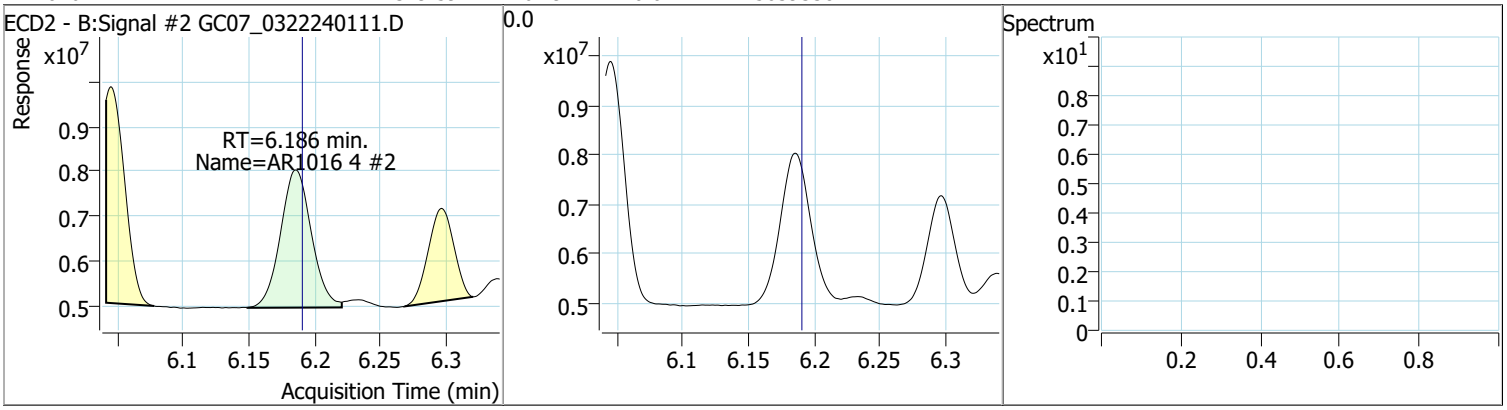
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	379.8904	5.95	-0.02	19720674				



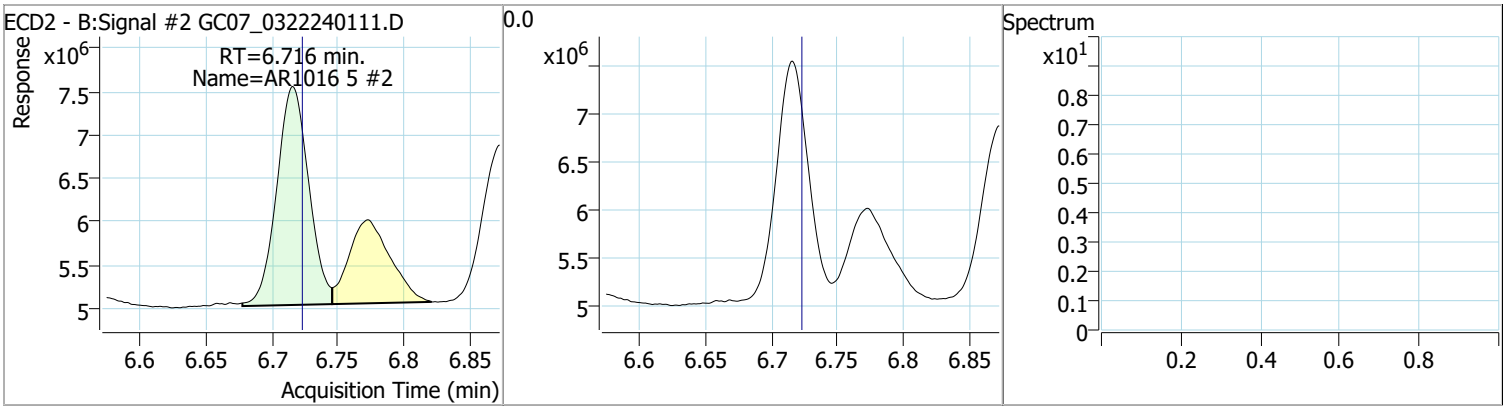
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	353.6228	6.05	-0.01	7088200 (m)				



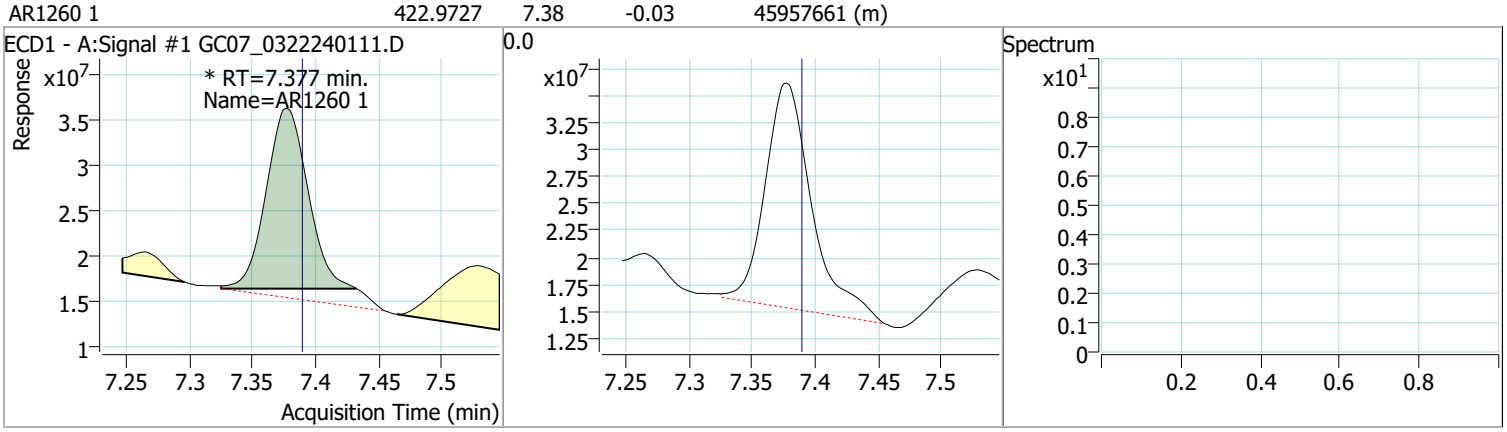
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AR1016 4 #2	379.5972	6.19	-0.01	5039338				



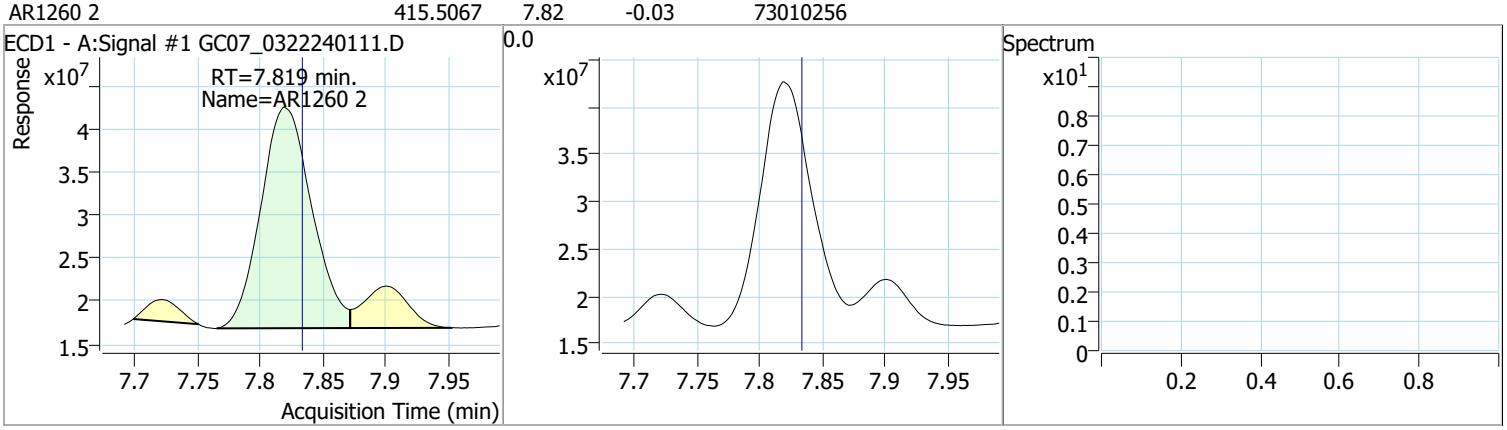
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	378.6993	6.72	-0.01	4271174				



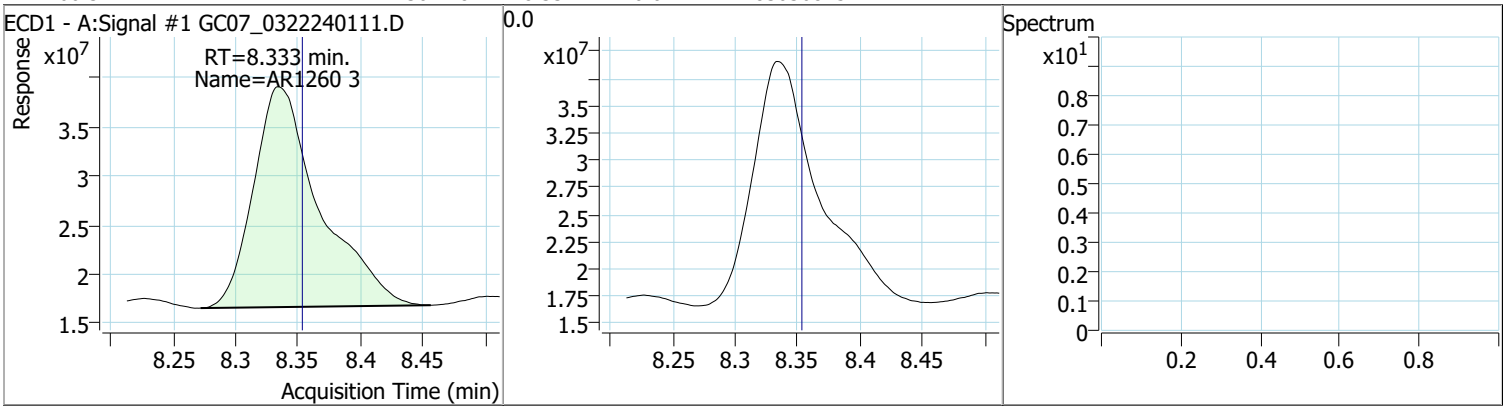
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	422.9727	7.38	-0.03	45957661 (m)				



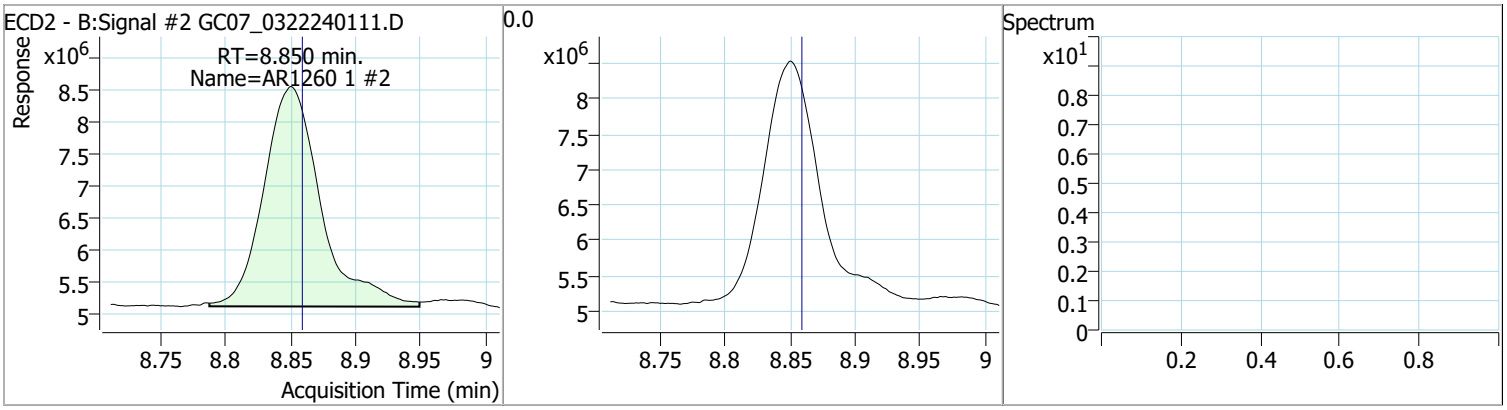
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	415.5067	7.82	-0.03	73010256				



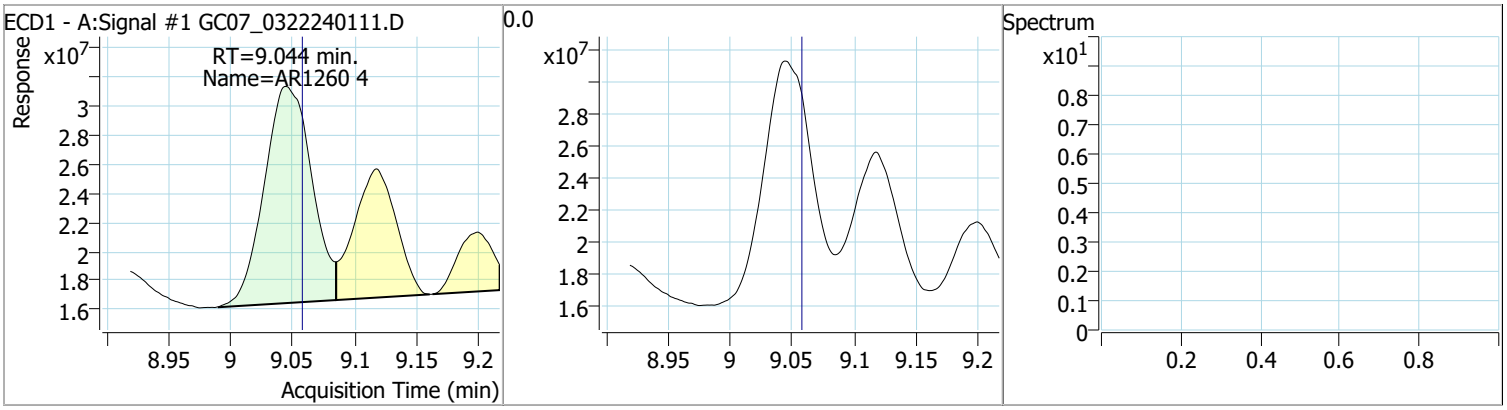
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	430.2781	8.33	-0.04	83036815				



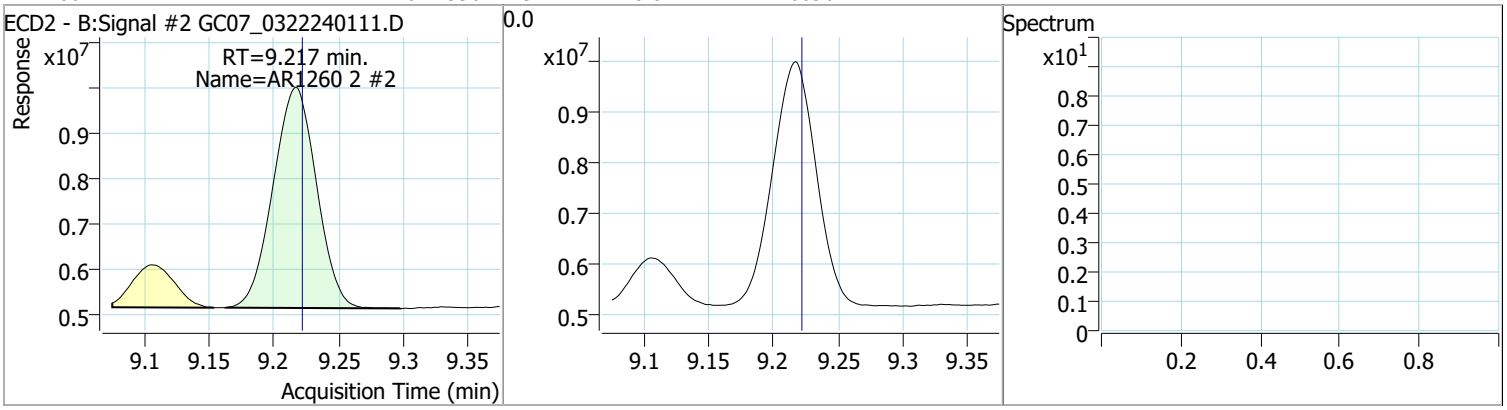
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	404.8236	8.85	-0.01	10482339				



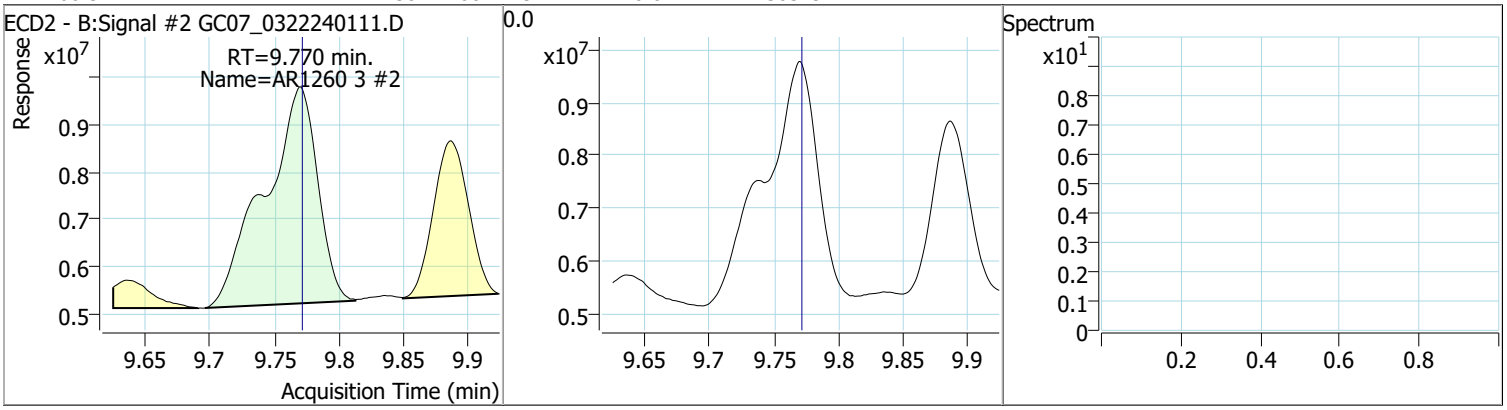
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	370.7040	9.04	-0.03	40105616				



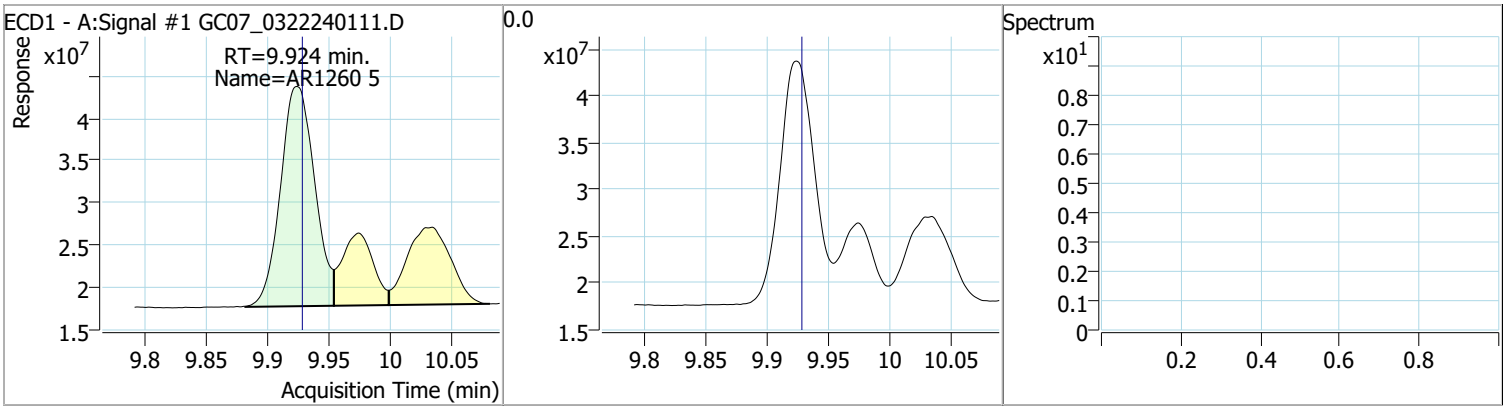
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AR1260 2 #2	402.7990	9.22	-0.01	11260967				



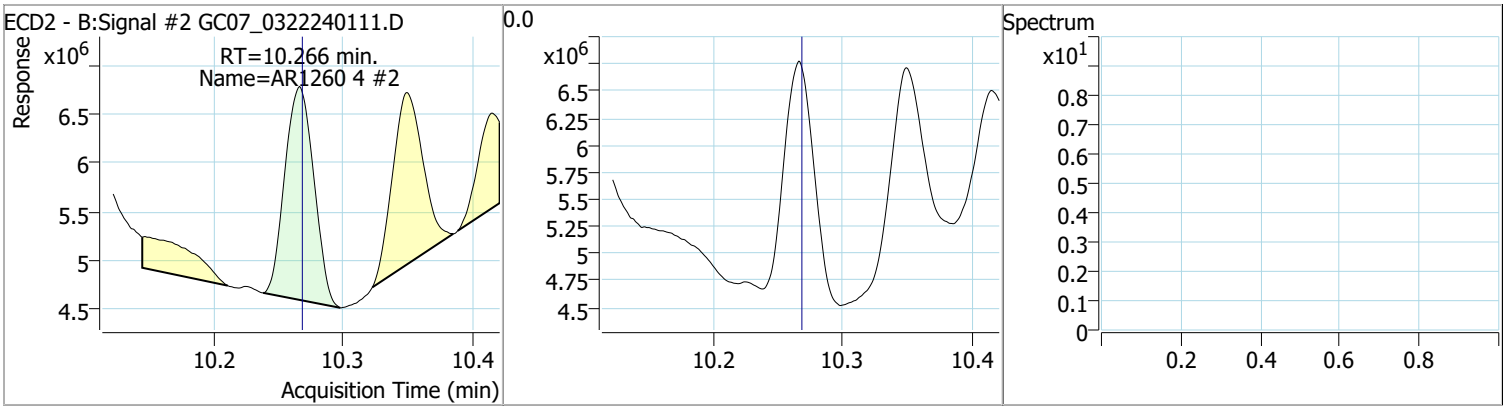
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	381.4208	9.77	-0.01	13031917				



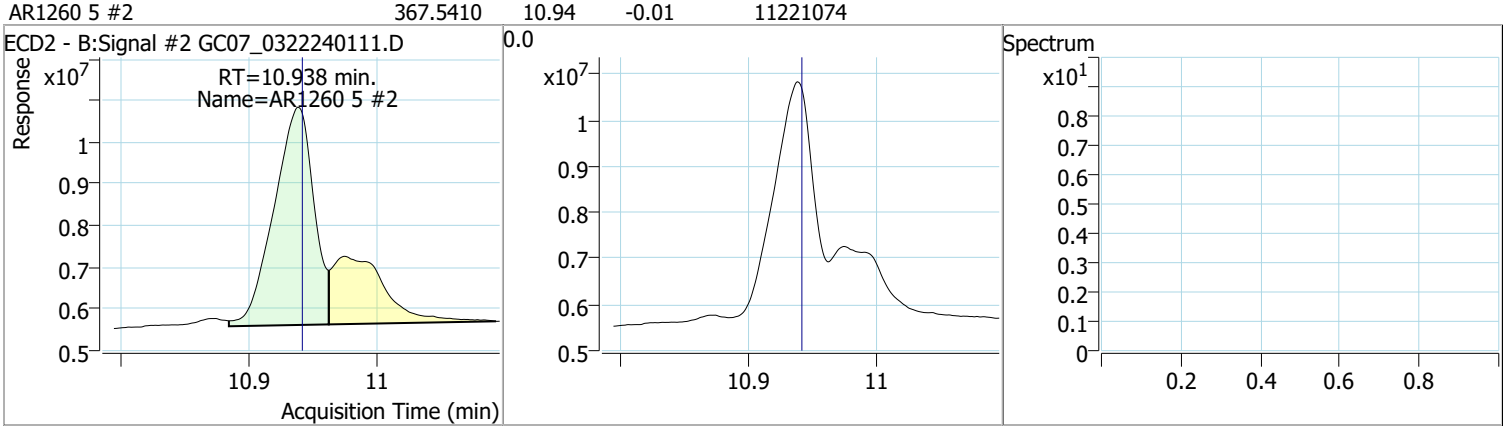
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	389.8174	9.92	-0.02	50560861				



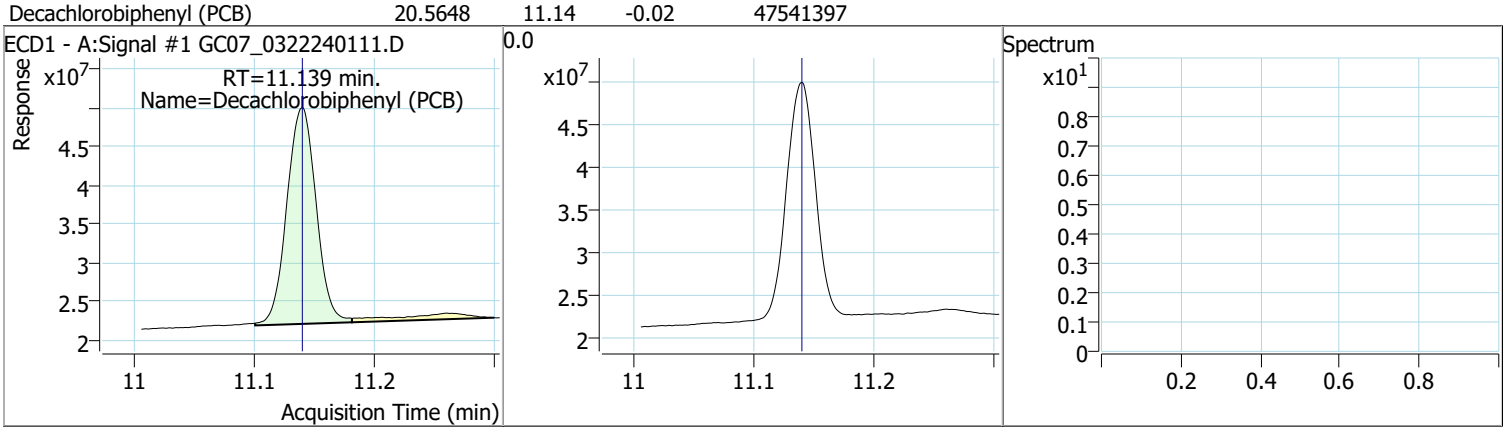
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	154.0140	10.27	-0.01	3394522				



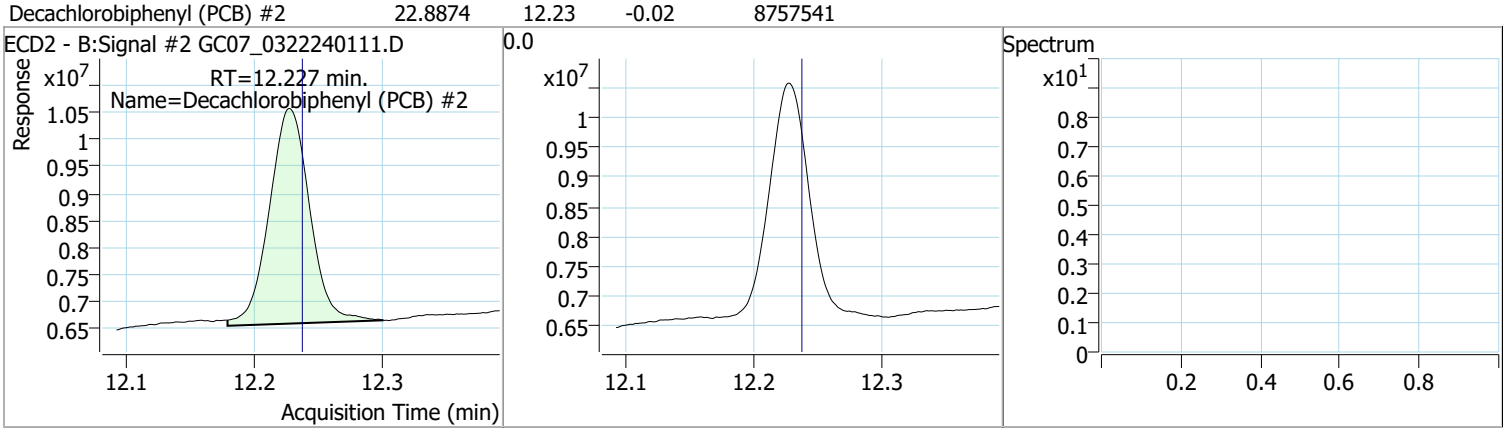
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	367.5410	10.94	-0.01	11221074				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	20.5648	11.14	-0.02	47541397				

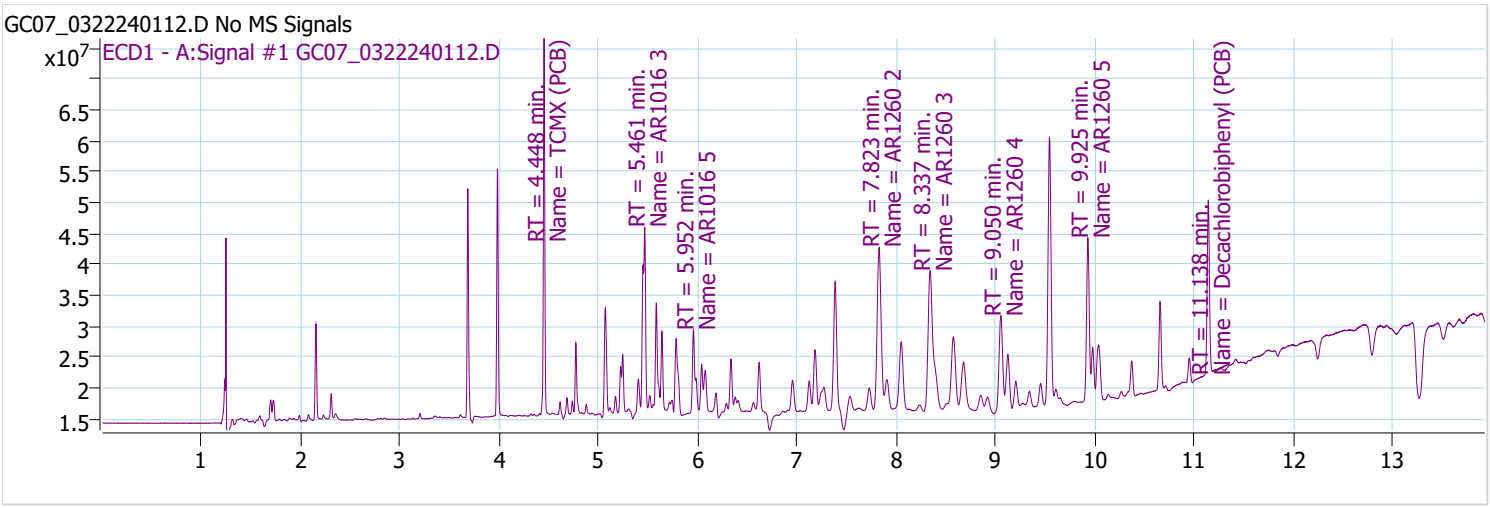


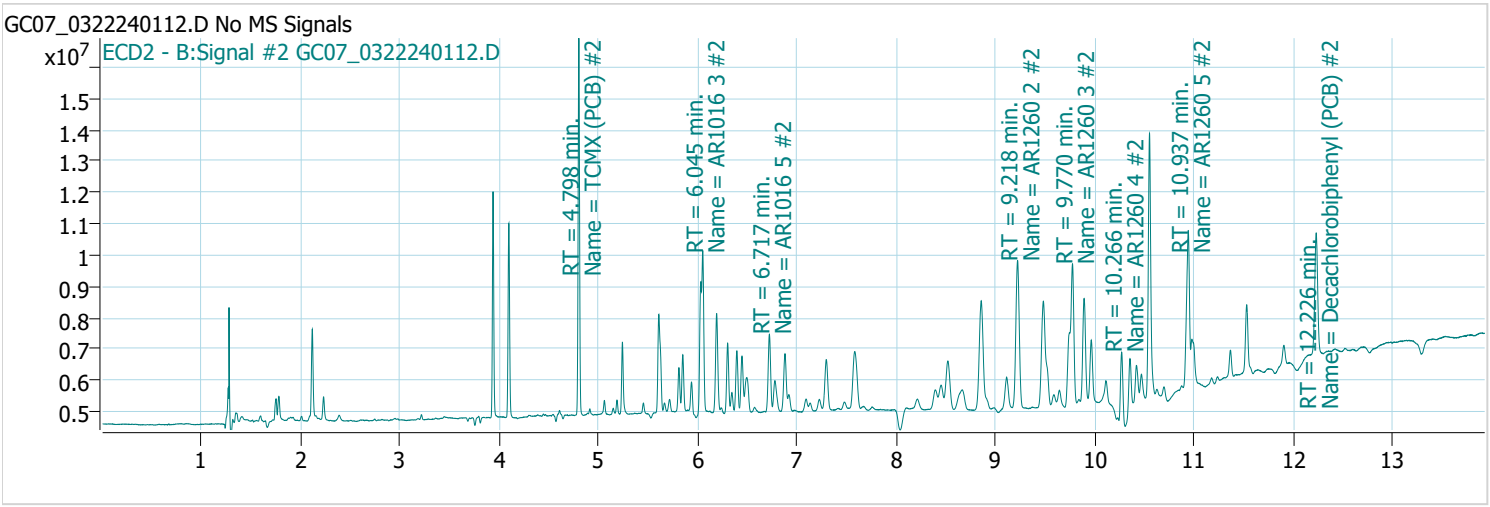
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	22.8874	12.23	-0.02	8757541				



Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240112.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 2:03:43 PM
Sample Name	QC1138273, 335940, 1	Instrument	SVOA-GC07
Vial	3	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	WIPE/1-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



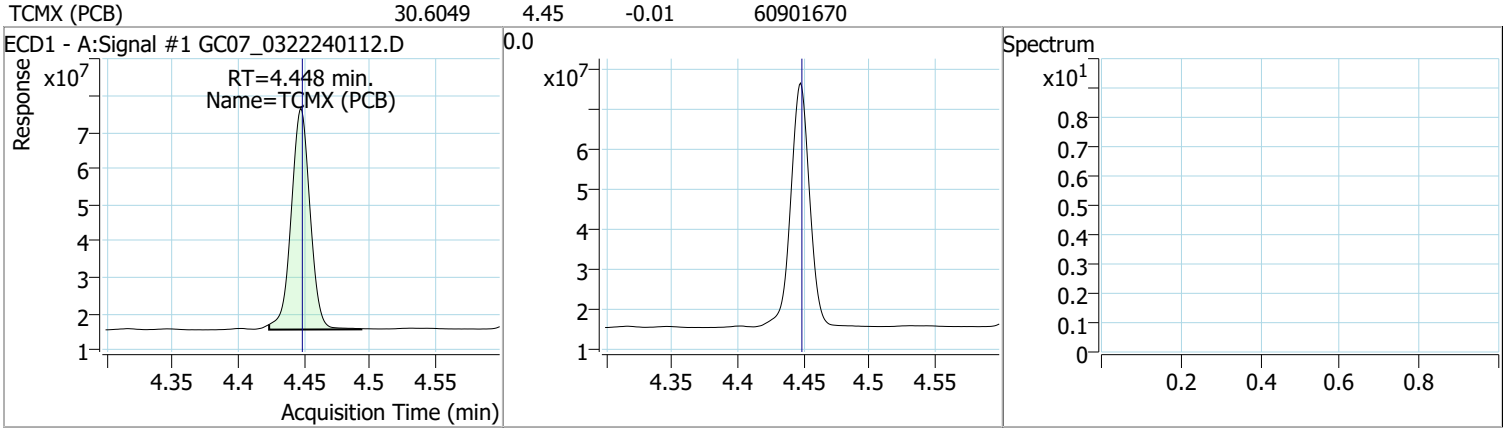


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.679	0.0	39219157.865	20.0000	ng/ml		-0.008
M 1-bromo-2-nitrobenzene (PCB) #2	3.933	0.0	7135551.350	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.448	0.0	60901670.452	30.6049	ng/ml		-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 153.02%		*	
S TCMX (PCB) #2	4.798	0.0	12335209.374	34.3715	ng/ml		-0.004
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 171.86%		*	
S Decachlorobiphenyl (PCB)	11.138	0.0	46113284.734	18.2898	ng/ml		-0.024
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 91.45%			
S Decachlorobiphenyl (PCB) #2	12.226	0.0	8519120.647	21.6844	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 108.42%			
Target Compounds							QValue

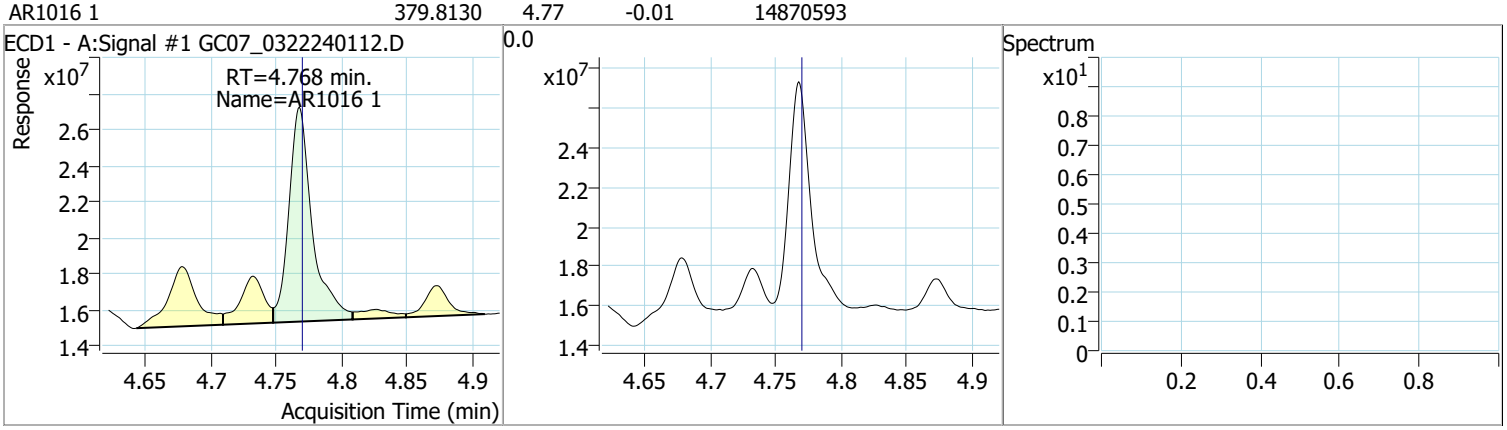
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.768	0.0	14870592.939	379.8130	ng/ml		100
T AR1016 2	5.064	0.0	27234339.809	375.5155	ng/ml		100
T AR1016 1 #2	5.236	0.0	2736078.486	358.8997	ng/ml		100
T AR1016 3	5.461	0.0	36647494.662	364.5254	ng/ml	m	100
T AR1016 4	5.578	0.0	25361712.020	378.1611	ng/ml		100
T AR1016 2 #2	5.603	0.0	6172568.743	389.5590	ng/ml		100
T AR1016 5	5.952	0.0	20138831.068	355.7139	ng/ml		100
T AR1016 3 #2	6.045	0.0	7683467.231	373.3370	ng/ml		100
T AR1016 4 #2	6.185	0.0	5043784.174	370.0372	ng/ml		100
T AR1016 5 #2	6.717	0.0	4262567.013	368.0933	ng/ml		100
T AR1260 1	7.379	0.0	47375413.433	399.7951	ng/ml	m	100
T AR1260 2	7.823	0.0	73017959.681	381.0254	ng/ml		100
T AR1260 3	8.337	0.0	83308078.691	395.8182	ng/ml		100
T AR1260 1 #2	8.851	0.0	10483531.655	394.3254	ng/ml		100
T AR1260 4	9.050	0.0	39936505.945	338.4716	ng/ml		100
T AR1260 2 #2	9.218	0.0	11262041.525	392.3460	ng/ml		100
T AR1260 3 #2	9.770	0.0	12950262.595	369.1595	ng/ml		100
T AR1260 5	9.925	0.0	49820017.580	352.1930	ng/ml		100
T AR1260 4 #2	10.266	0.0	3643746.625	161.0161	ng/ml	m	100
T AR1260 5 #2	10.937	0.0	10716520.197	341.8728	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

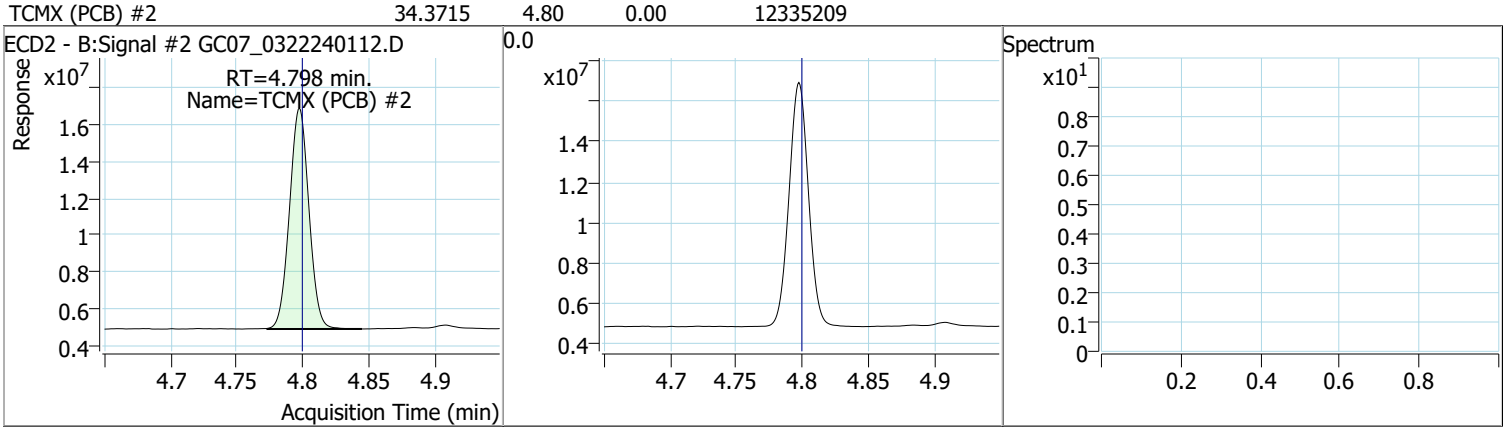
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	30.6049	4.45	-0.01	60901670				



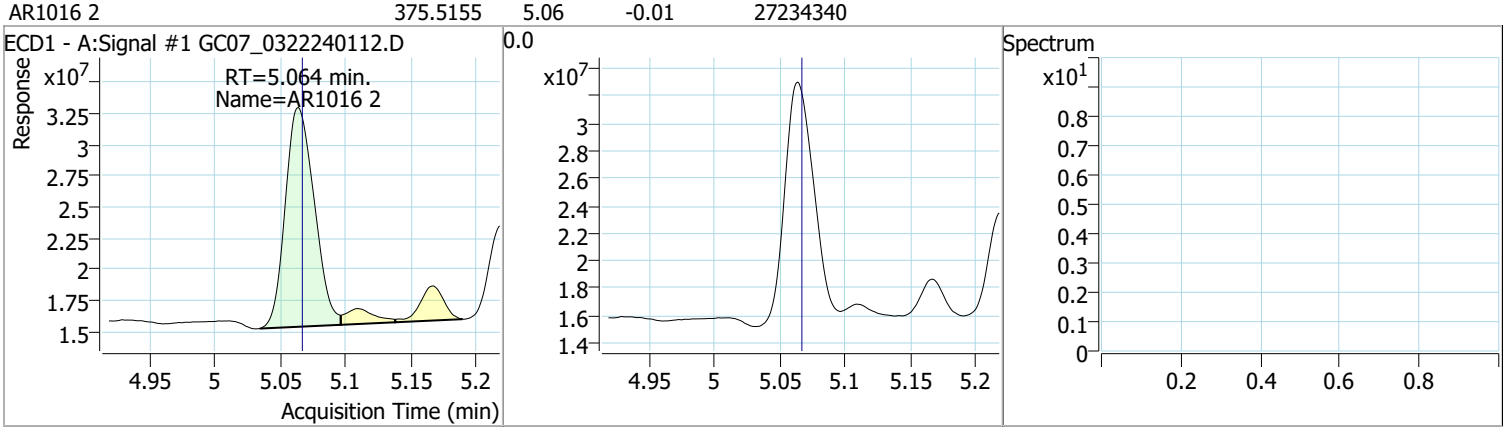
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	379.8130	4.77	-0.01	14870593				



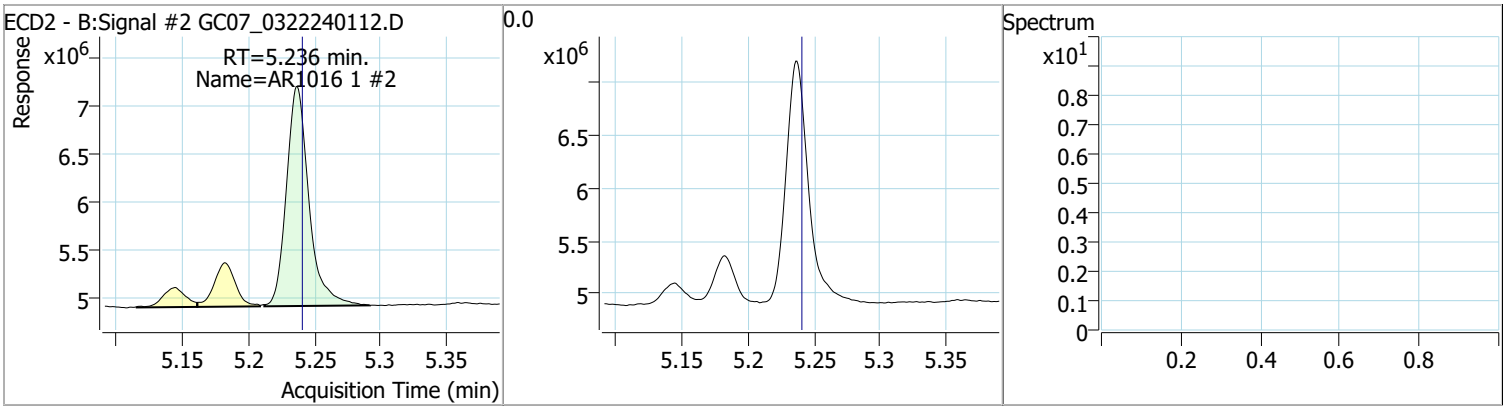
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.3715	4.80	0.00	12335209				



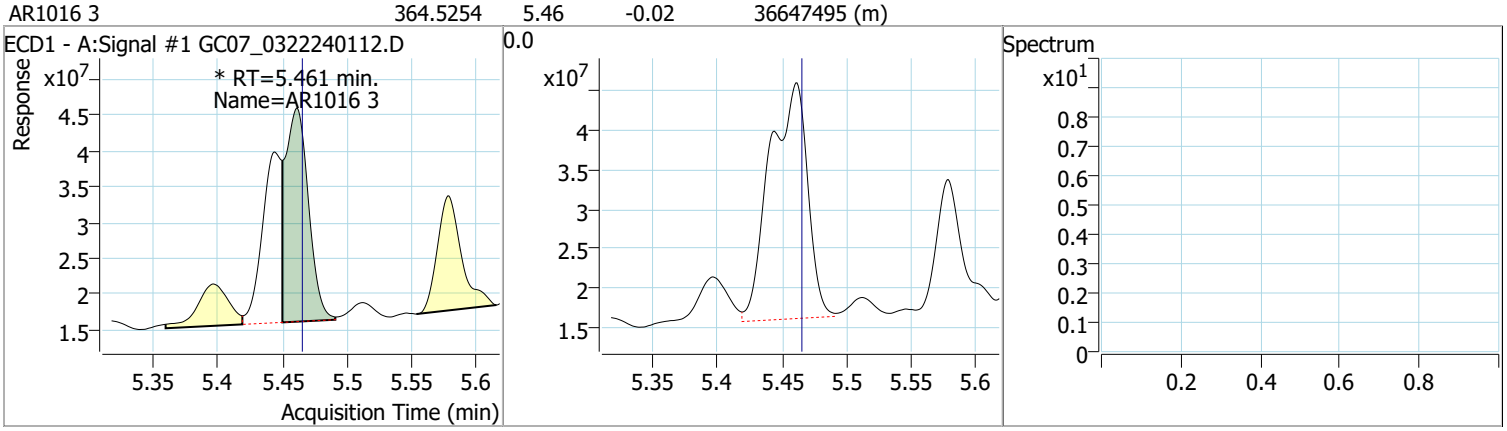
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	375.5155	5.06	-0.01	27234340				



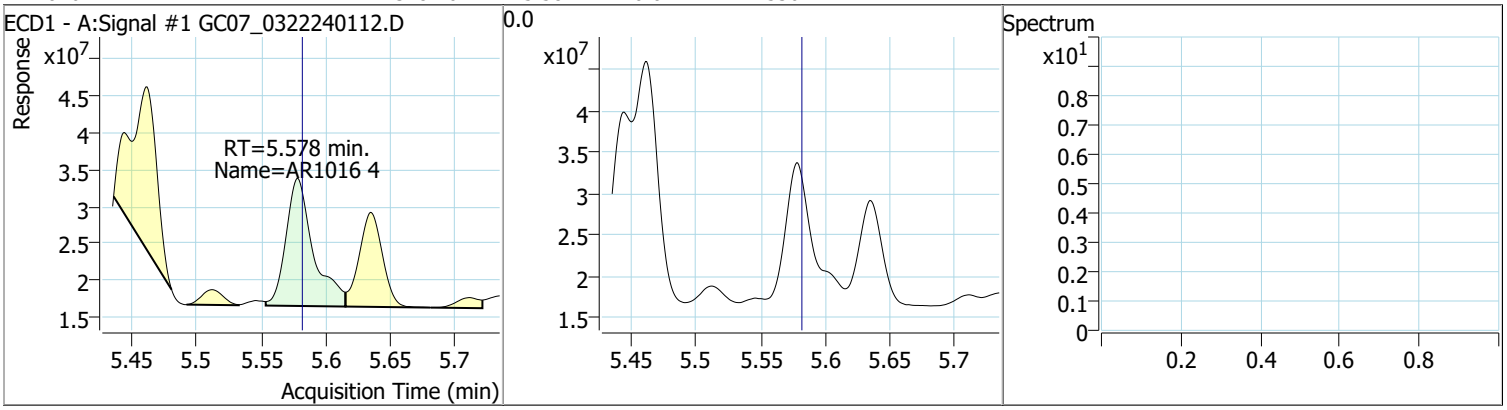
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	358.8997	5.24	-0.01	2736078				



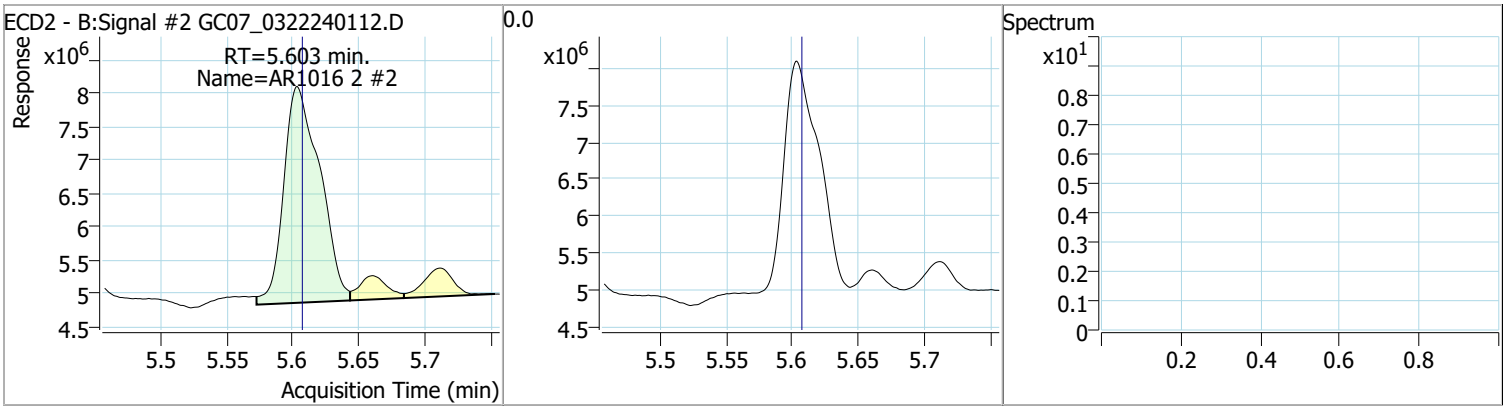
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	364.5254	5.46	-0.02	36647495 (m)				



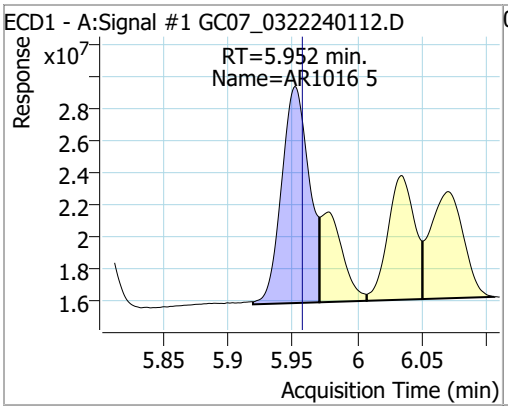
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	378.1611	5.58	-0.01	25361712				

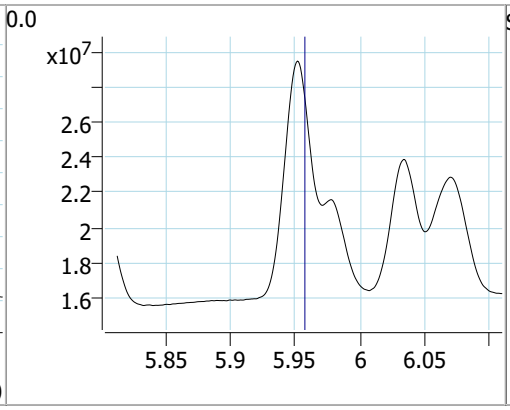


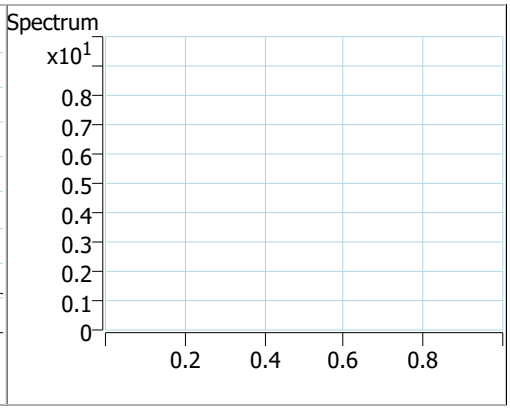
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	389.5590	5.60	-0.01	6172569				



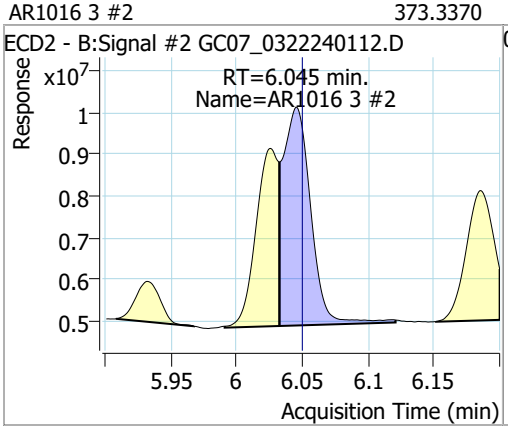
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	355.7139	5.95	-0.02	20138831				

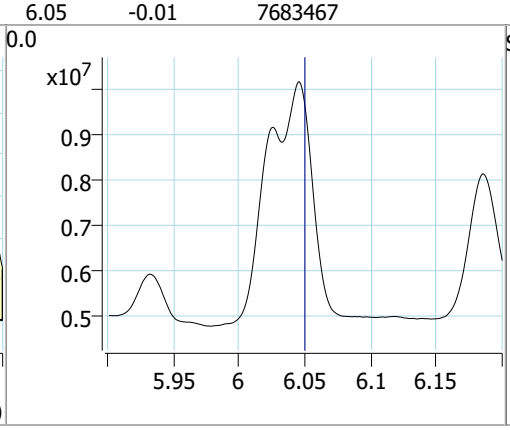


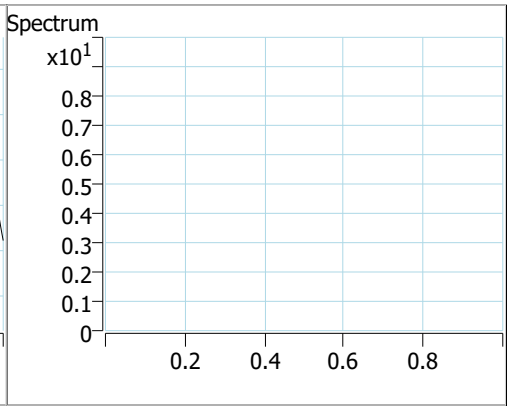




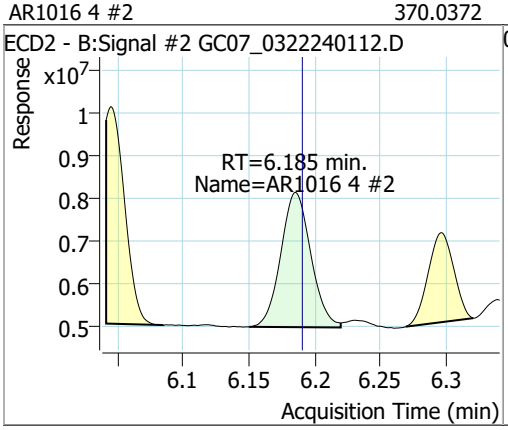
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	373.3370	6.05	-0.01	7683467				

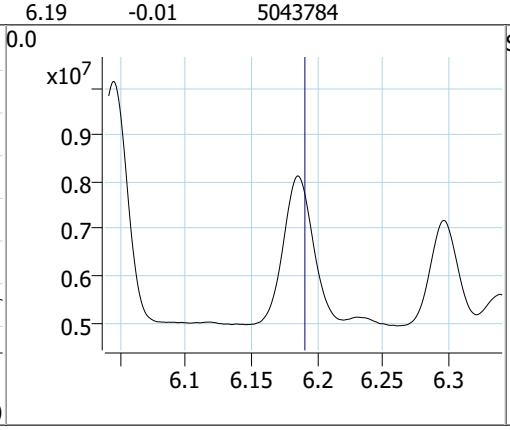


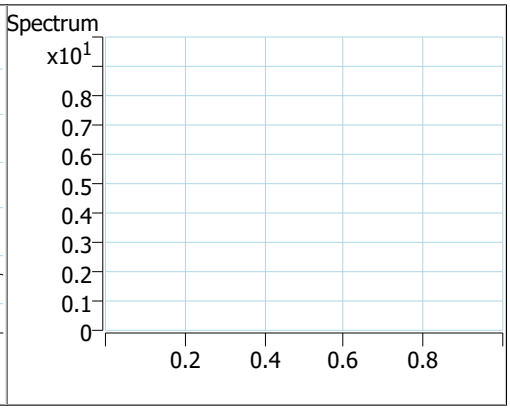




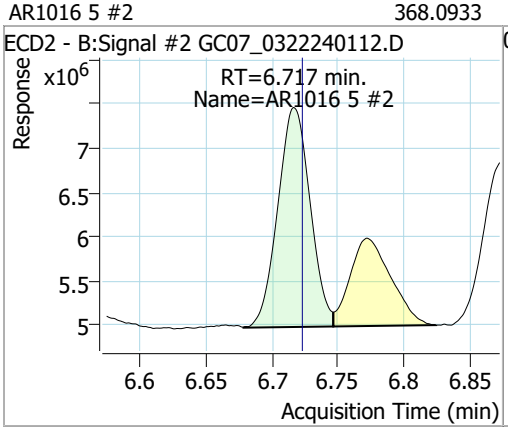
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	370.0372	6.19	-0.01	5043784				

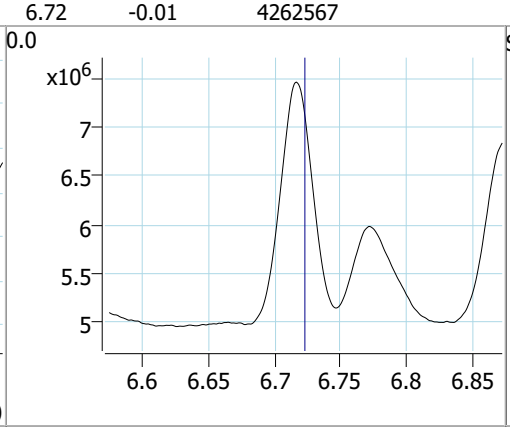


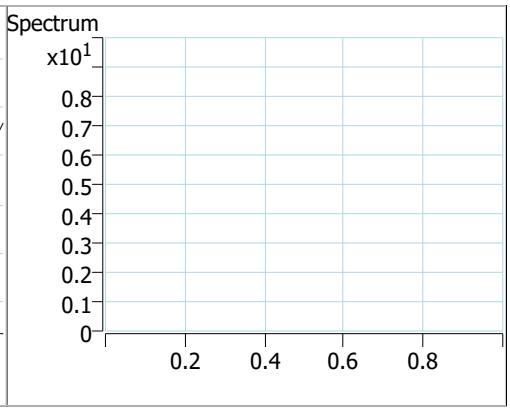




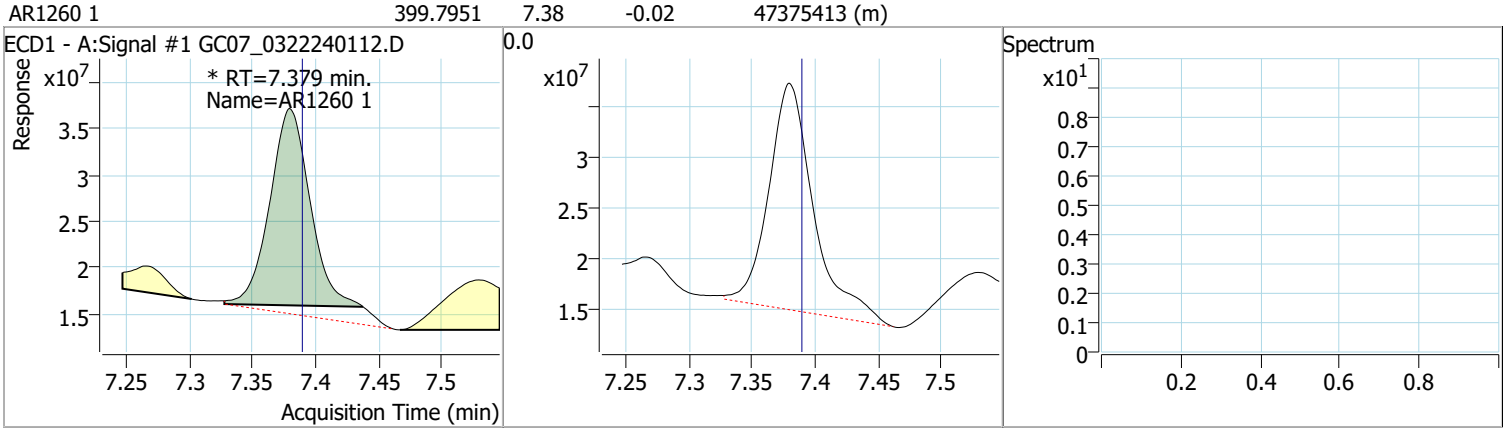
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	368.0933	6.72	-0.01	4262567				



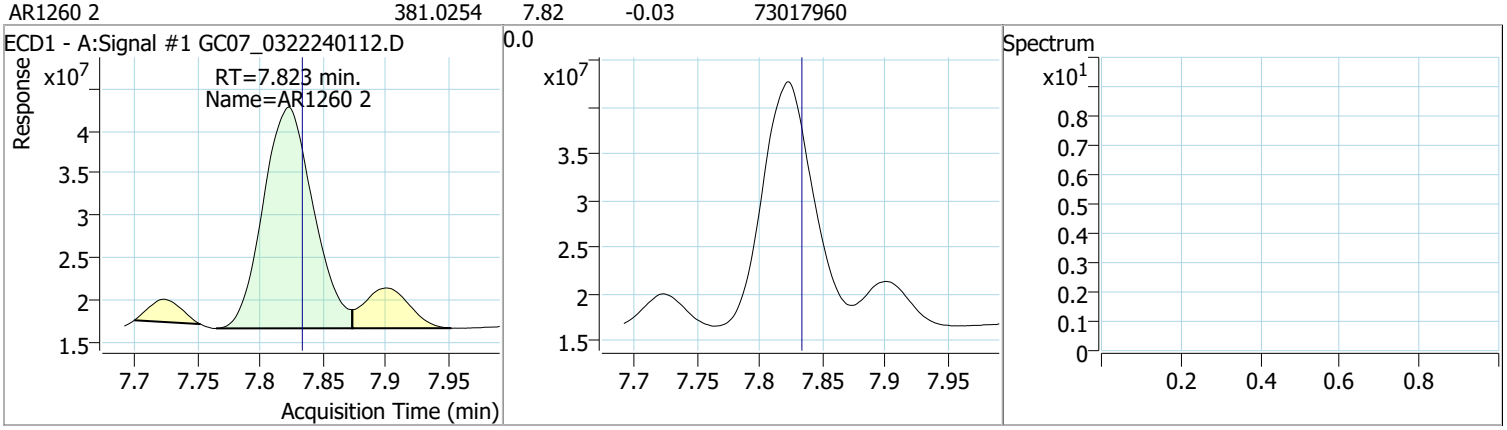




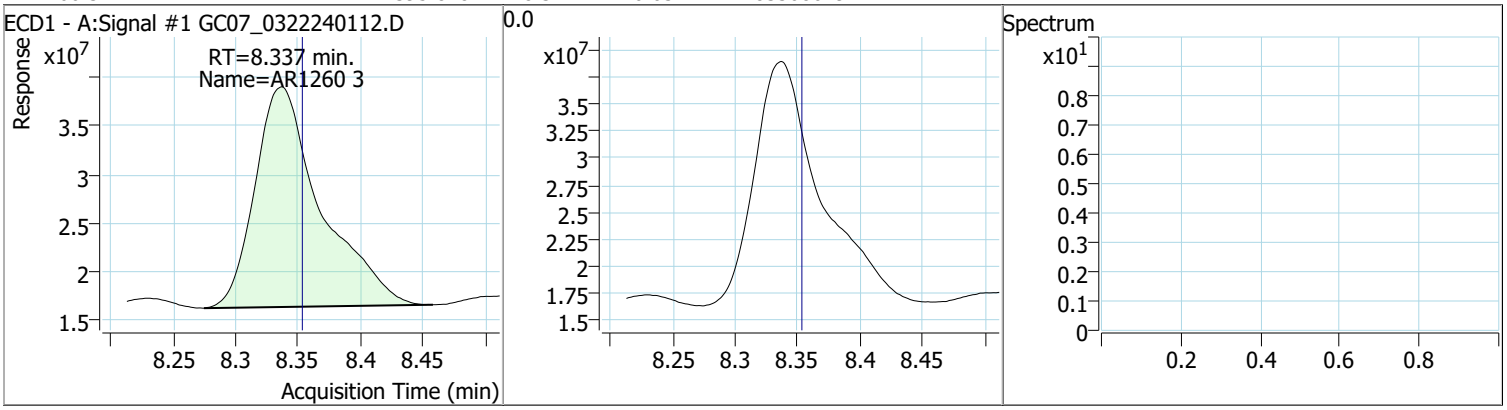
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	399.7951	7.38	-0.02	47375413 (m)				



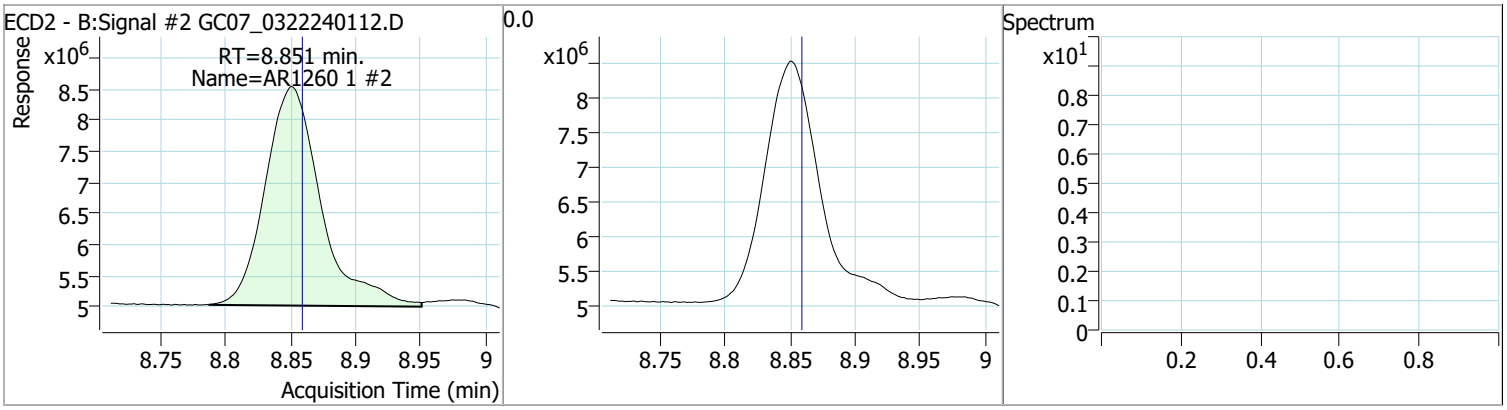
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	381.0254	7.82	-0.03	73017960				



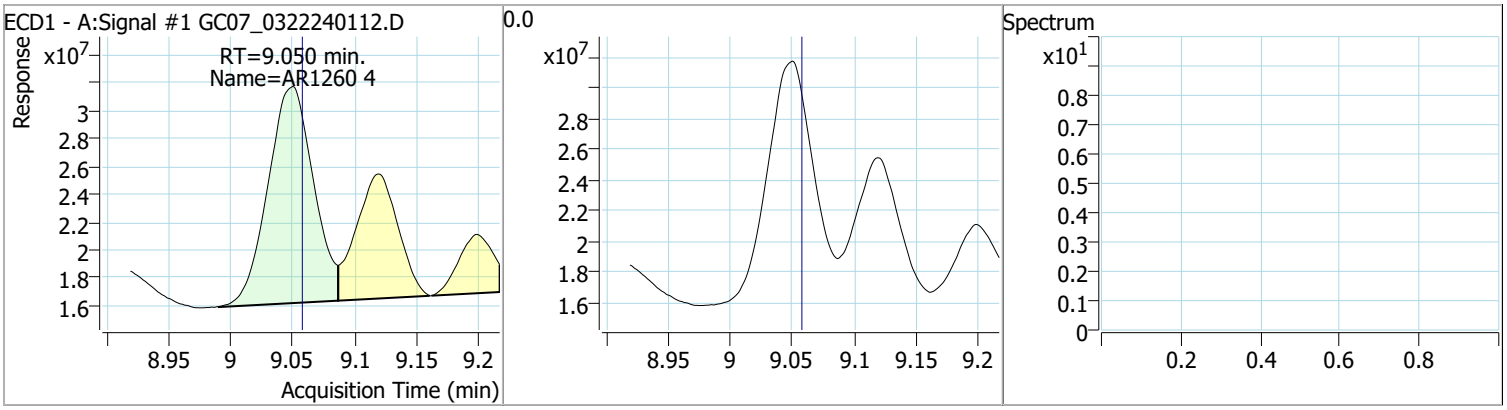
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	395.8182	8.34	-0.03	83308079				



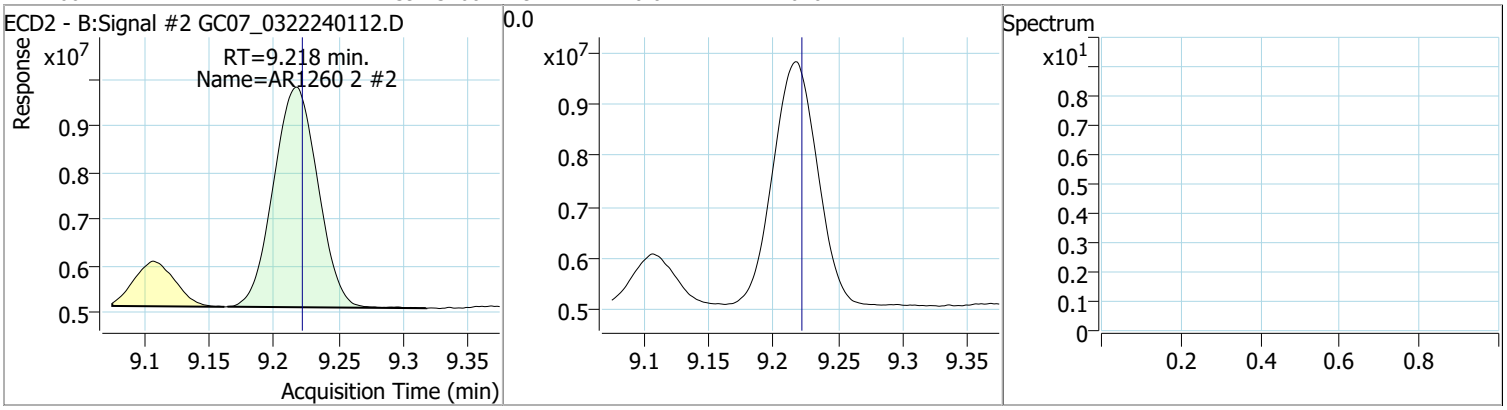
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	394.3254	8.85	-0.01	10483532				



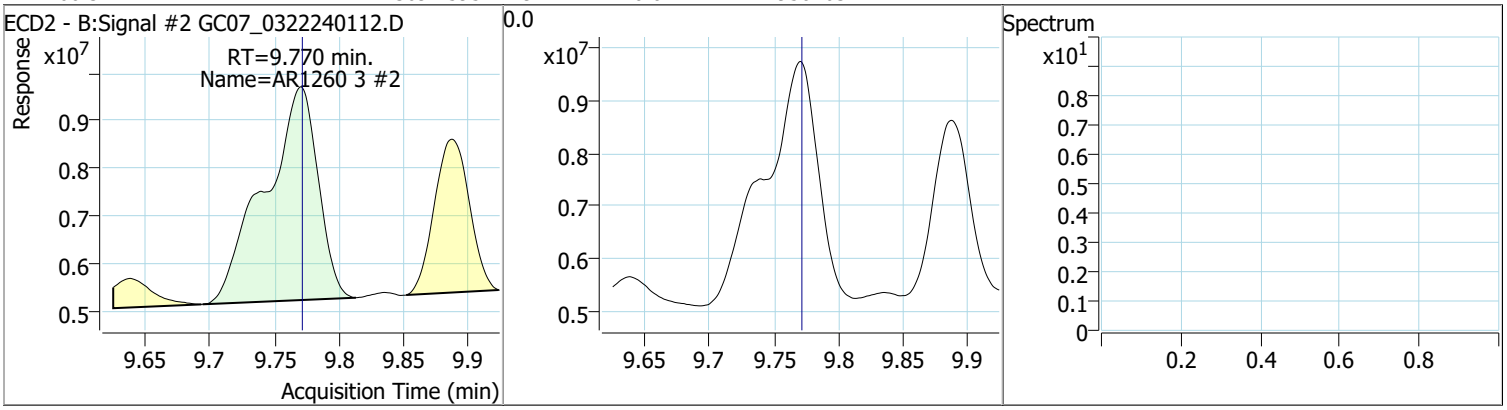
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	338.4716	9.05	-0.03	39936506				



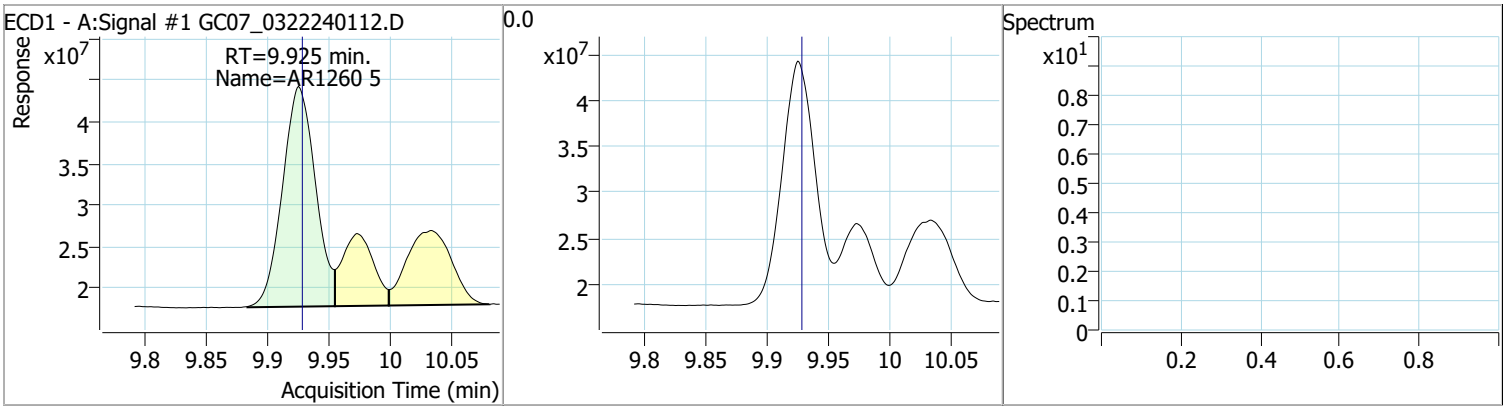
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	392.3460	9.22	-0.01	11262042				



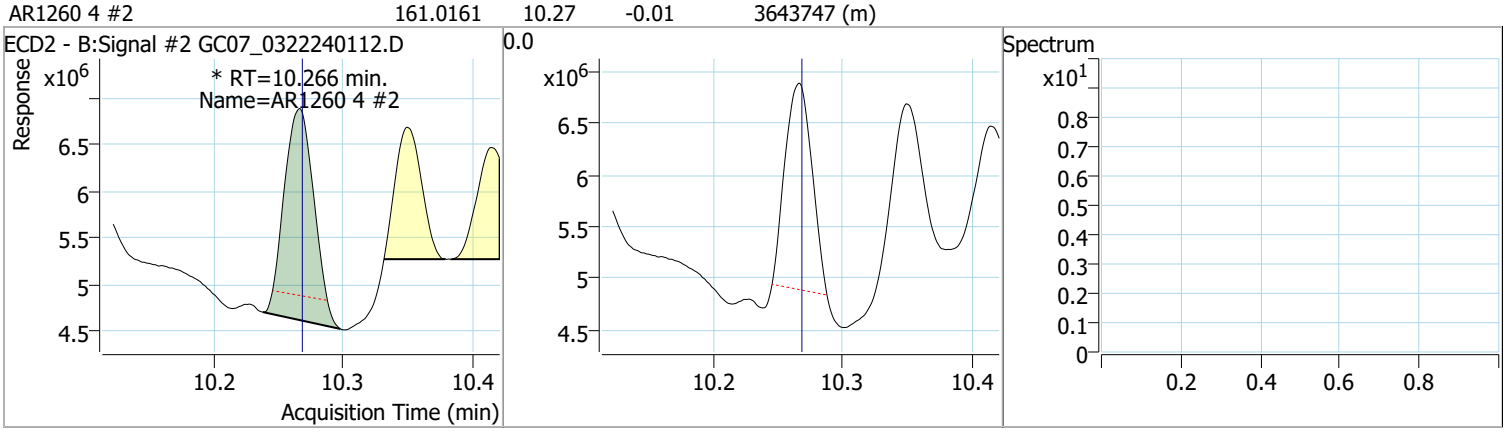
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	369.1595	9.77	-0.01	12950263				



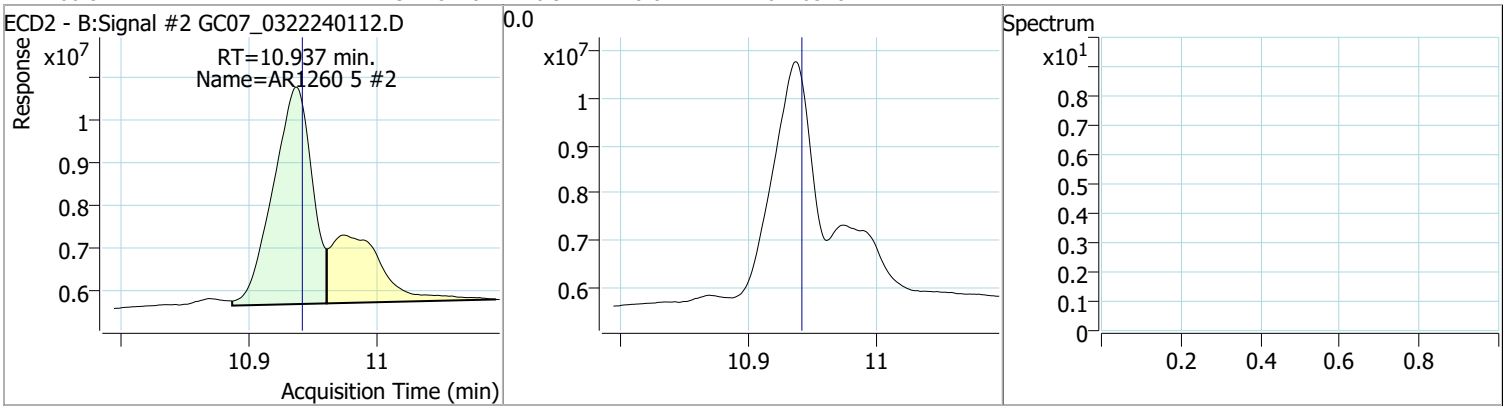
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	352.1930	9.93	-0.02	49820018				



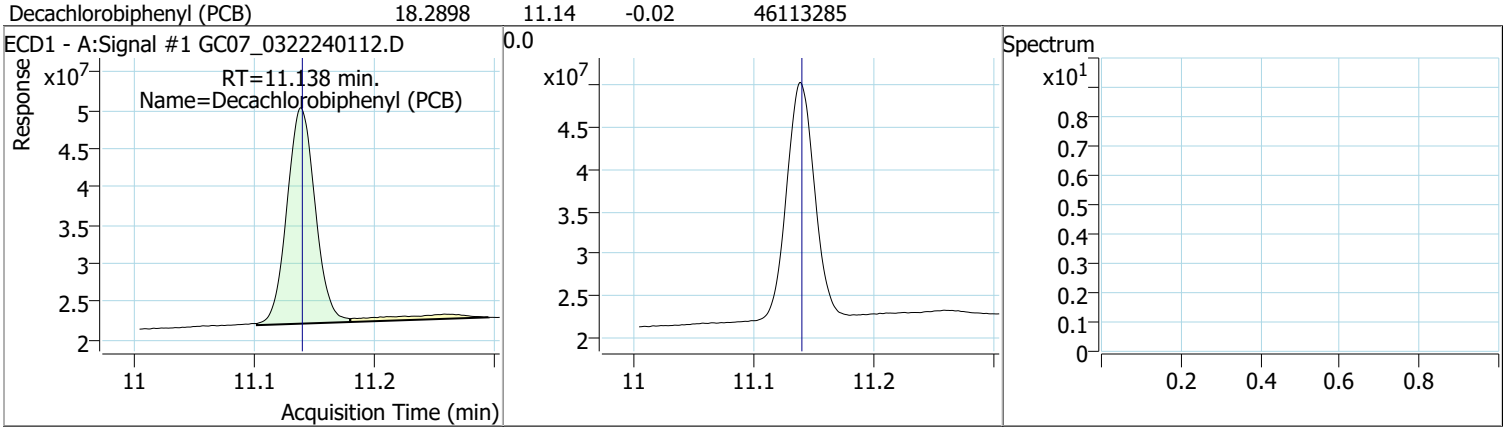
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	161.0161	10.27	-0.01	3643747 (m)				



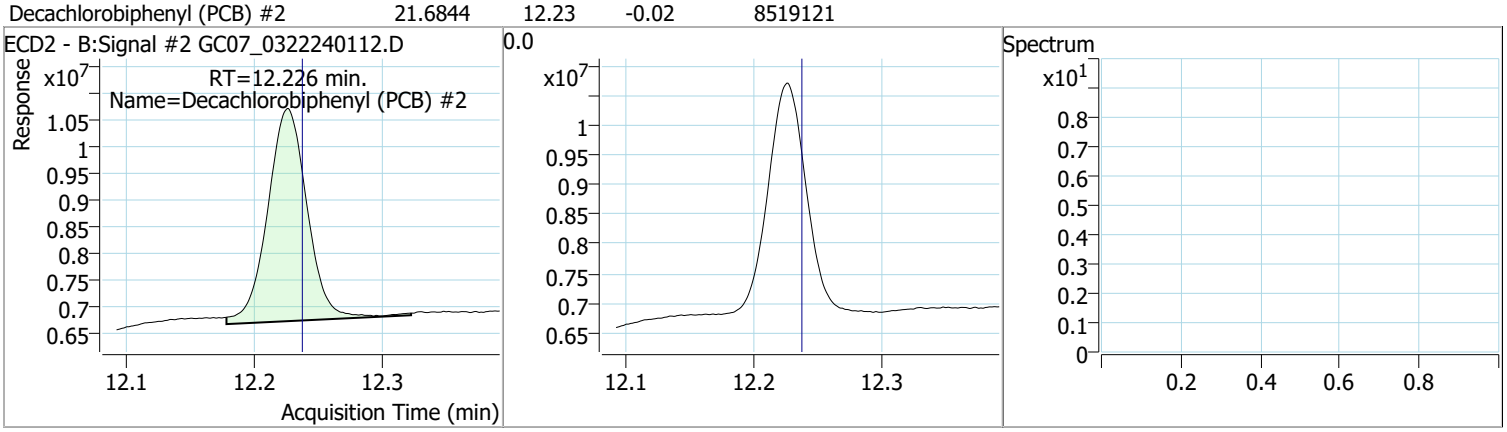
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	341.8728	10.94	-0.01	10716520				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.2898	11.14	-0.02	46113285				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	21.6844	12.23	-0.02	8519121				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 504506 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_031224_1
Calibration #:	464104819001	Date:	13-MAR-2024 03:02
		X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc07_0312240020	464104819020		13-MAR-2024 03:02	S19328
L2	gc07_0312240021	464104819021		13-MAR-2024 03:23	S19330
L3	gc07_0312240022	464104819022		13-MAR-2024 03:44	S19332
L4	gc07_0312240023	464104819023		13-MAR-2024 04:05	S19333
L5	gc07_0312240024	464104819024		13-MAR-2024 04:25	S19335
L6	gc07_0312240025	464104819025		13-MAR-2024 04:46	S19340
L7	gc07_0312240026	464104819026		13-MAR-2024 05:07	S19336
L8	gc07_0312240027	464104819027		13-MAR-2024 05:28	S19337
L9	gc07_0312240028	464104819028		13-MAR-2024 05:49	S19338
L10	gc07_0312240029	464104819029		13-MAR-2024 06:10	S19339

ENTHALPY INITIAL CALIBRATION FOR 504506 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_031224_1
Calibration #:	464104819001	Date:	13-MAR-2024 03:02
		X Axis:	R

Analyte	Ch	Type	a0	a1	a2	Units	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		50.0852		ug/L	0.0200	15	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		27.0383		ug/L	0.0370	13	10	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.5053		ug/L	0.0513	7	10	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		29.2393		ug/L	0.0342	8	10	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		34.6366		ug/L	0.0289	8	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.5483		ug/L	0.0604	9	10	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.2328		ug/L	0.0977	8	10	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		9.31702		ug/L	0.1073	7	10	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		16.6196		ug/L	0.0602	7	10	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		13.8626		ug/L	0.0721	8	10	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.77777		pg/uL	1.2857	8	10	.99	20	
TCMX (PCB)	A	AVRG		0.98544		pg/uL	1.0148	9	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		46.7996		ug/L	0.0214	14	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		22.5167		ug/L	0.0444	16	10	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		17.3357		ug/L	0.0577	16	10	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		26.1750		ug/L	0.0382	12	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		30.8095		ug/L	0.0325	12	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		13.4198		ug/L	0.0745	14	10	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		12.4294		ug/L	0.0805	14	10	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		10.1703		ug/L	0.0983	11	10	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		15.7659		ug/L	0.0634	10	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		11.3817		ug/L	0.0879	9	10	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		0.90814		pg/uL	1.1012	9	10	.99	20	
TCMX (PCB)	B	AVRG		0.99415		pg/uL	1.0059	9	10	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 504506 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_031224_1
Calibration #:	464104819001	Date:	13-MAR-2024 03:02
		X Axis:	R

Analyte	Ch	L1 RF	L2 RF	L3 RF	L4 RF	L5 RF	L6 RF	L7 RF	L8 RF	L9 RF	L10 RF
Aroclor-1016 Peak # 1	A	0.0253	0.0226	0.0214	0.0208	0.0189	0.0228	0.0172	0.0173	0.0170	0.0165
Aroclor-1016 Peak # 2	A	0.0419	0.0445	0.0399	0.0386	0.0352	0.0419	0.0324	0.0324	0.0321	0.0308
Aroclor-1016 Peak # 3	A	0.0506	0.0543	0.0510	0.0510	0.0496	0.0593	0.0460	0.0487	0.0517	0.0504
Aroclor-1016 Peak # 4	A	0.0357	0.0361	0.0355	0.0351	0.0332	0.0400	0.0304	0.0323	0.0322	0.0317
Aroclor-1016 Peak # 5	A	0.0298	0.0305	0.0305	0.0297	0.0284	0.0334	0.0260	0.0272	0.0274	0.0260
Aroclor-1260 Peak # 1	A	0.0611	0.0642	0.0659	0.0643	0.0607	0.0672	0.0536	0.0566	0.0586	0.0521
Aroclor-1260 Peak # 2	A	0.1055	0.1003	0.1027	0.1029	0.0996	0.1077	0.0858	0.0922	0.0950	0.0856
Aroclor-1260 Peak # 3	A	0.1006	0.1040	0.1081	0.1115	0.1091	0.1243	0.0989	0.1070	0.1105	0.0993
Aroclor-1260 Peak # 4	A	0.0612	0.0575	0.0620	0.0629	0.0619	0.0674	0.0534	0.0591	0.0612	0.0550
Aroclor-1260 Peak # 5	A	0.0641	0.0653	0.0722	0.0739	0.0745	0.0819	0.0670	0.0733	0.0803	0.0689
Decachlorobiphenyl (PCB)	A	1.1360	1.2580	1.3428	1.4179	1.3562	1.3822	1.1307	1.2945	1.3711	1.1679
TCMX (PCB)	A	1.0800	1.1476	0.9823	0.9394	0.8976	1.1796	0.9192	0.9660	1.0188	1.0174
Aroclor-1016 Peak # 1	B	0.0262	0.0222	0.0240	0.0224	0.0210	0.0247	0.0191	0.0187	0.0181	0.0173
Aroclor-1016 Peak # 2	B	0.0531	0.0551	0.0487	0.0467	0.0436	0.0497	0.0387	0.0377	0.0367	0.0343
Aroclor-1016 Peak # 3	B	0.0729	0.0679	0.0630	0.0592	0.0558	0.0647	0.0480	0.0495	0.0492	0.0467
Aroclor-1016 Peak # 4	B	0.0398	0.0433	0.0427	0.0402	0.0389	0.0441	0.0343	0.0341	0.0334	0.0312
Aroclor-1016 Peak # 5	B	0.0358	0.0366	0.0354	0.0343	0.0329	0.0370	0.0292	0.0290	0.0283	0.0262
Aroclor-1260 Peak # 1	B	0.0742	0.0915	0.0841	0.0810	0.0768	0.0822	0.0655	0.0661	0.0657	0.0580
Aroclor-1260 Peak # 2	B	0.0827	0.0934	0.0930	0.0914	0.0851	0.0873	0.0690	0.0709	0.0701	0.0616
Aroclor-1260 Peak # 3	B	0.0942	0.1053	0.1108	0.1097	0.1049	0.1097	0.0875	0.0905	0.0909	0.0797
Aroclor-1260 Peak # 4	B	0.0582	0.0662	0.0685	0.0691	0.0688	0.0726	0.0572	0.0598	0.0605	0.0534
Aroclor-1260 Peak # 5	B	0.0871	0.0884	0.0953	0.0956	0.0935	0.0964	0.0798	0.0830	0.0863	0.0731
Decachlorobiphenyl (PCB)	B	1.1069	1.2055	1.1518	1.1915	1.1727	1.1795	0.9694	1.0447	1.0869	0.9027
TCMX (PCB)	B	1.0926	1.1051	1.0528	1.0020	0.9382	1.1698	0.9149	0.9207	0.9426	0.9202

ENTHALPY INITIAL CALIBRATION FOR 504506 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC07	Name:	PCB_031224_1
Calibration #:	464104819001	Date:	13-MAR-2024 03:02
		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	10.000	27	20.000	13	50.000	7	100.00	4	250.00	-6	500.00	14	750.00	-14	1000.0	-13
Aroclor-1016 Peak # 2	A	10.000	13	20.000	20	50.000	8	100.00	4	250.00	-5	500.00	13	750.00	-12	1000.0	-12
Aroclor-1016 Peak # 3	A	10.000	-1	20.000	6	50.000	0	100.00	-1	250.00	-3	500.00	16	750.00	-10	1000.0	-5
Aroclor-1016 Peak # 4	A	10.000	4	20.000	6	50.000	4	100.00	3	250.00	-3	500.00	17	750.00	-11	1000.0	-6
Aroclor-1016 Peak # 5	A	10.000	3	20.000	5	50.000	6	100.00	3	250.00	-2	500.00	16	750.00	-10	1000.0	-6
Aroclor-1260 Peak # 1	A	10.000	1	20.000	6	50.000	9	100.00	6	250.00	0	500.00	11	750.00	-11	1000.0	-6
Aroclor-1260 Peak # 2	A	10.000	8	20.000	3	50.000	5	100.00	5	250.00	2	500.00	10	750.00	-12	1000.0	-6
Aroclor-1260 Peak # 3	A	10.000	-6	20.000	-3	50.000	1	100.00	4	250.00	2	500.00	16	750.00	-8	1000.0	0
Aroclor-1260 Peak # 4	A	10.000	2	20.000	-4	50.000	3	100.00	5	250.00	3	500.00	12	750.00	-11	1000.0	-2
Aroclor-1260 Peak # 5	A	10.000	-11	20.000	-9	50.000	0	100.00	2	250.00	3	500.00	13	750.00	-7	1000.0	2
Decachlorobiphenyl (PCB)	A	0.8000	-12	1.6000	-2	4.0000	4	8.0000	10	20.000	5	40.000	8	60.000	-12	80.000	1
TCMX (PCB)	A	0.8000	6	1.6000	13	4.0000	-3	8.0000	-7	20.000	-12	40.000	16	60.000	-9	80.000	-5
Aroclor-1016 Peak # 1	B	10.000	23	20.000	4	50.000	12	100.00	5	250.00	-2	500.00	16	750.00	-11	1000.0	-13
Aroclor-1016 Peak # 2	B	10.000	20	20.000	**24**	50.000	10	100.00	5	250.00	-2	500.00	12	750.00	-13	1000.0	-15
Aroclor-1016 Peak # 3	B	10.000	26	20.000	18	50.000	9	100.00	3	250.00	-3	500.00	12	750.00	-17	1000.0	-14
Aroclor-1016 Peak # 4	B	10.000	4	20.000	13	50.000	12	100.00	5	250.00	2	500.00	16	750.00	-10	1000.0	-11
Aroclor-1016 Peak # 5	B	10.000	10	20.000	13	50.000	9	100.00	6	250.00	1	500.00	14	750.00	-10	1000.0	-11
Aroclor-1260 Peak # 1	B	10.000	0	20.000	**23**	50.000	13	100.00	9	250.00	3	500.00	10	750.00	-12	1000.0	-11
Aroclor-1260 Peak # 2	B	10.000	3	20.000	16	50.000	16	100.00	14	250.00	6	500.00	8	750.00	-14	1000.0	-12
Aroclor-1260 Peak # 3	B	10.000	-4	20.000	7	50.000	13	100.00	12	250.00	7	500.00	12	750.00	-11	1000.0	-8
Aroclor-1260 Peak # 4	B	10.000	-8	20.000	4	50.000	8	100.00	9	250.00	8	500.00	15	750.00	-10	1000.0	-6
Aroclor-1260 Peak # 5	B	10.000	-1	20.000	1	50.000	9	100.00	9	250.00	6	500.00	10	750.00	-9	1000.0	-6
Decachlorobiphenyl (PCB)	B	0.8000	1	1.6000	9	4.0000	5	8.0000	8	20.000	7	40.000	7	60.000	-12	80.000	-5
TCMX (PCB)	B	0.8000	9	1.6000	10	4.0000	5	8.0000	0	20.000	-7	40.000	16	60.000	-9	80.000	-8

Instrument:	SVOA-GC07	Name:	PCB_031224_1
Calibration #:	464104819001	Date:	13-MAR-2024 03:02
		X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-15	2000.0	-18
Aroclor-1016 Peak # 2	A	1500.0	-13	2000.0	-17
Aroclor-1016 Peak # 3	A	1500.0	1	2000.0	-2
Aroclor-1016 Peak # 4	A	1500.0	-6	2000.0	-7
Aroclor-1016 Peak # 5	A	1500.0	-5	2000.0	-10
Aroclor-1260 Peak # 1	A	1500.0	-3	2000.0	-14
Aroclor-1260 Peak # 2	A	1500.0	-3	2000.0	-12
Aroclor-1260 Peak # 3	A	1500.0	3	2000.0	-8
Aroclor-1260 Peak # 4	A	1500.0	2	2000.0	-9
Aroclor-1260 Peak # 5	A	1500.0	11	2000.0	-5
Decachlorobiphenyl (PCB)	A	120.00	7	160.00	-9
TCMX (PCB)	A	120.00	0	160.00	0
Aroclor-1016 Peak # 1	B	1500.0	-15	2000.0	-19
Aroclor-1016 Peak # 2	B	1500.0	-17	2000.0	**-23**
Aroclor-1016 Peak # 3	B	1500.0	-15	2000.0	-19
Aroclor-1016 Peak # 4	B	1500.0	-12	2000.0	-18
Aroclor-1016 Peak # 5	B	1500.0	-13	2000.0	-19
Aroclor-1260 Peak # 1	B	1500.0	-12	2000.0	**-22**
Aroclor-1260 Peak # 2	B	1500.0	-13	2000.0	**-23**
Aroclor-1260 Peak # 3	B	1500.0	-8	2000.0	-19
Aroclor-1260 Peak # 4	B	1500.0	-5	2000.0	-16
Aroclor-1260 Peak # 5	B	1500.0	-2	2000.0	-17
Decachlorobiphenyl (PCB)	B	120.00	-1	160.00	-18
TCMX (PCB)	B	120.00	-6	160.00	-9

TJW 03/14/24 : Manually integrated due to baseline corrections for 1016 A/B and 1260 A/B in multiple levels

Analyst: TJW 03/14/24

Reviewer: MTS 03/15/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 504506 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07	Name:	PCB_031224_1
Calnum:	464104819001	Cal Date:	13-MAR-2024

- ICV 464104819030 (gc07_0312240030 13-MAR-2024) stds: S19897

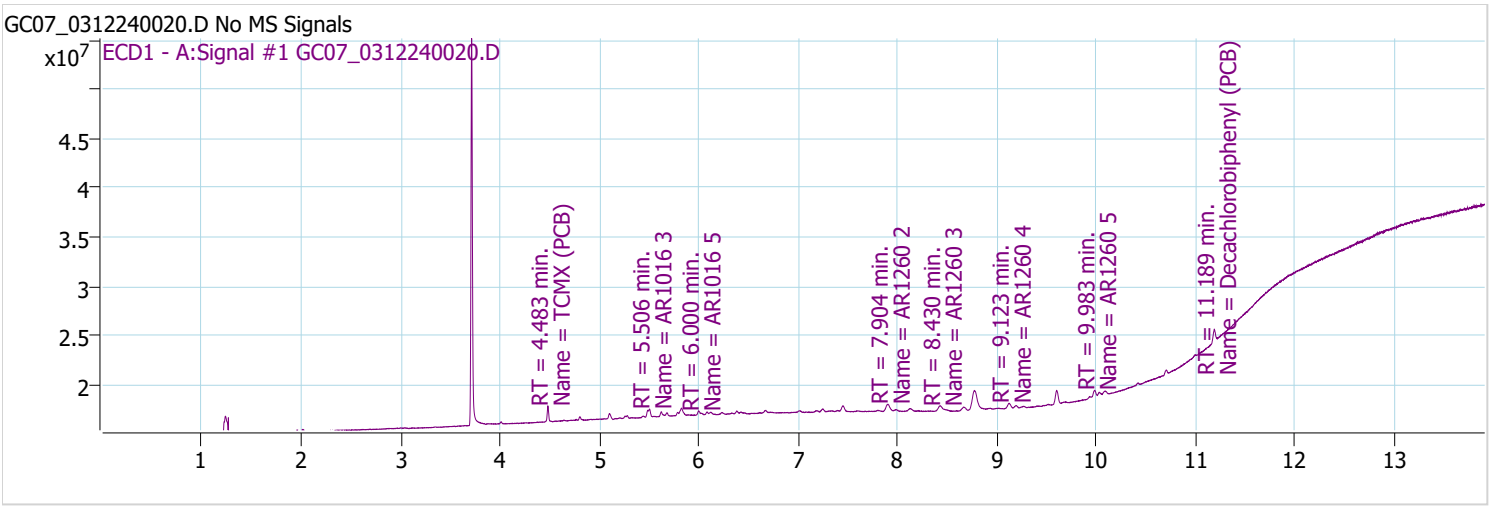
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	473.3	ug/L	-5	15	
Aroclor-1260	A	500.0	444.5	ug/L	-11	15	
Aroclor-1016	B	500.0	464.9	ug/L	-7	15	
Aroclor-1260	B	500.0	430.7	ug/L	-14	15	

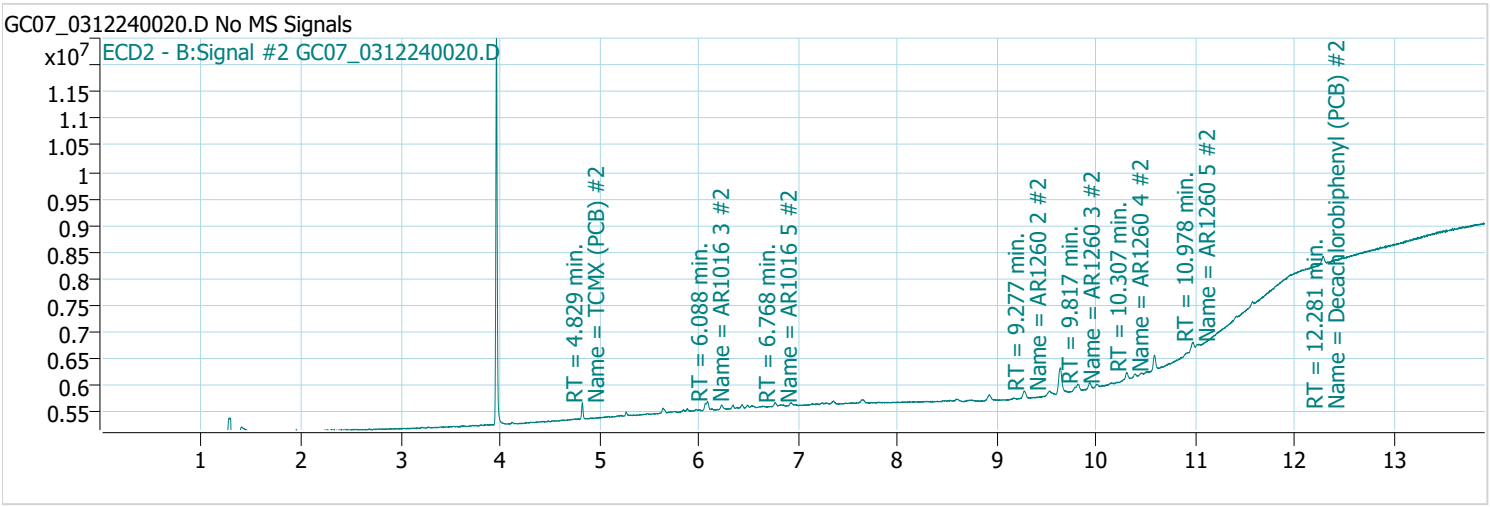
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Analyst: TJW 03/14/24 **Reviewer:** MTS 03/15/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0312240020.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/13/2024 3:02:13 AM
Sample Name	ICAL, S19328	Instrument	SVOA-GC07
Vial	11	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_1.m	Comment	10 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	031224PCBICAL.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



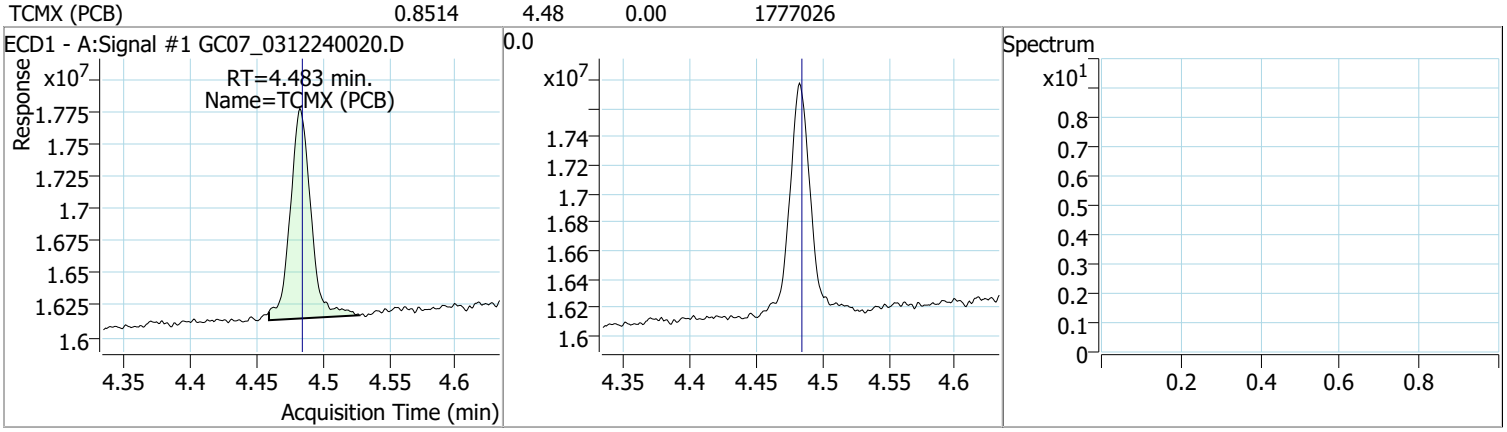


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.715	0.0	41135468.952	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.965	0.0	7142035.803	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.483	0.0	1777025.578	0.8514	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.26%		*	
S TCMX (PCB) #2	4.829	0.0	312126.350	0.8689	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.34%		*	
S Decachlorobiphenyl (PCB)	11.189	0.0	1869275.628	0.7069	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 3.53%		*	
S Decachlorobiphenyl (PCB) #2	12.281	0.0	316234.080	0.8042	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.02%		*	
Target Compounds							QValue
T AR1016 1	4.805	0.0	520086.199	12.6648	ng/ml		100

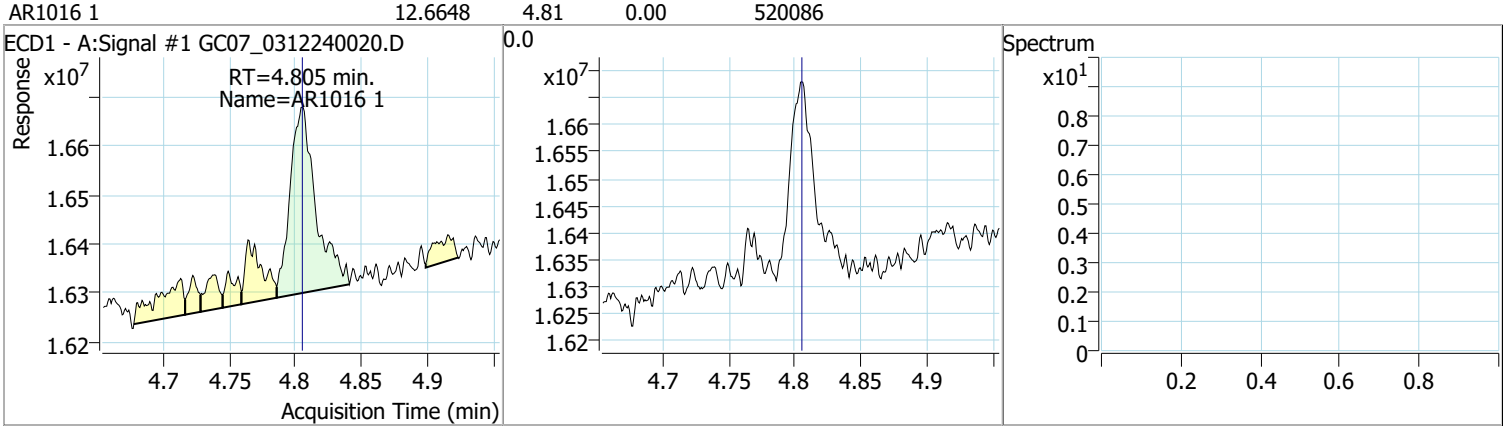
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.104	0.0	862178.212	11.3342	ng/ml	m	100
T AR1016 1 #2	5.269	0.0	93698.998	12.2796	ng/ml		100
T AR1016 3	5.506	0.0	1041049.635	9.8727	ng/ml		100
T AR1016 4	5.623	0.0	734217.400	10.4377	ng/ml		100
T AR1016 2 #2	5.640	0.0	189599.130	11.9550	ng/ml		100
T AR1016 5	6.000	0.0	613329.192	10.3286	ng/ml	m	100
T AR1016 3 #2	6.088	0.0	260389.449	12.6407	ng/ml		100
T AR1016 4 #2	6.231	0.0	142161.542	10.4202	ng/ml		100
T AR1016 5 #2	6.768	0.0	127822.365	11.0281	ng/ml		100
T AR1260 1	7.452	0.0	1256784.405	10.1118	ng/ml		100
T AR1260 2	7.904	0.0	2169393.382	10.7931	ng/ml		100
T AR1260 3	8.430	0.0	2069428.130	9.3743	ng/ml		100
T AR1260 1 #2	8.925	0.0	264963.537	9.9572	ng/ml		100
T AR1260 4	9.123	0.0	1258649.991	10.1704	ng/ml		100
T AR1260 2 #2	9.277	0.0	295499.550	10.2852	ng/ml		100
T AR1260 3 #2	9.817	0.0	336347.658	9.5792	ng/ml		100
T AR1260 5	9.983	0.0	1317803.577	8.8820	ng/ml		100
T AR1260 4 #2	10.307	0.0	207815.012	9.1749	ng/ml		100
T AR1260 5 #2	10.978	0.0	310943.621	9.9106	ng/ml	m	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

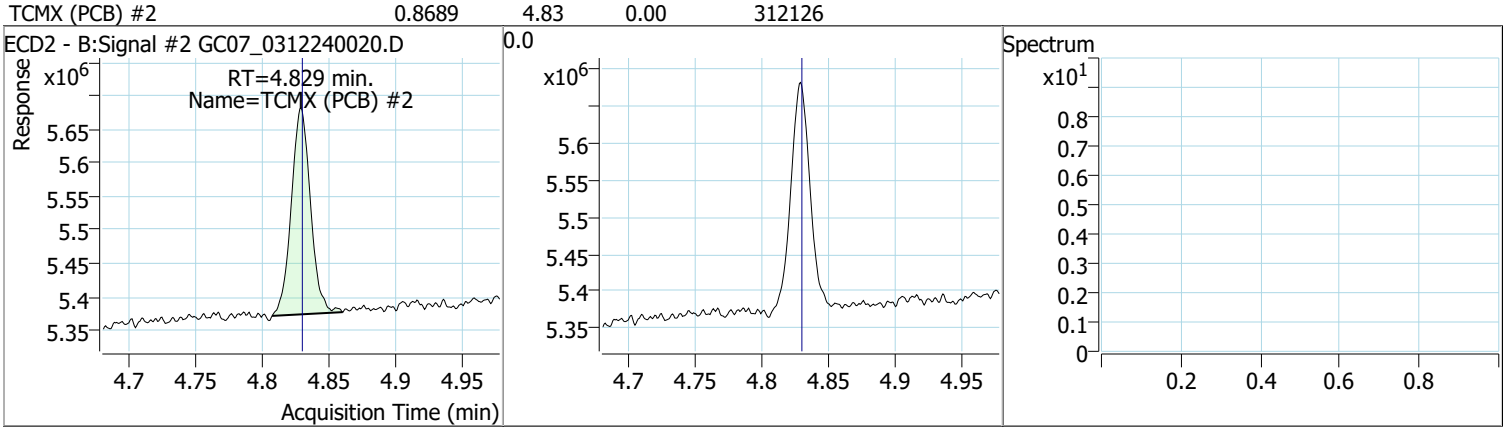
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.8514	4.48	0.00	1777026				



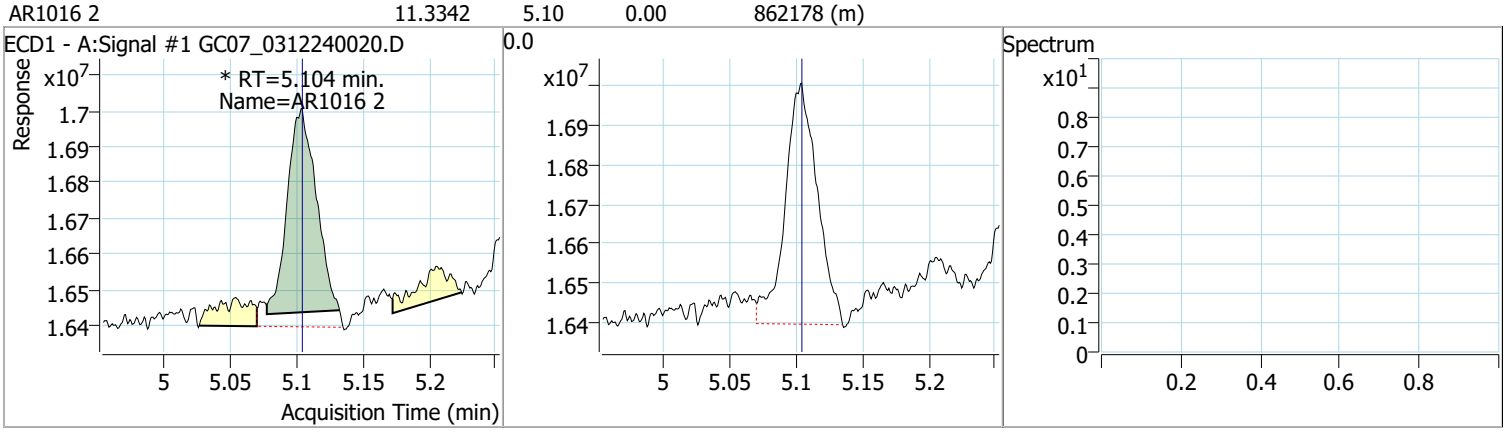
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	12.6648	4.81	0.00	520086				



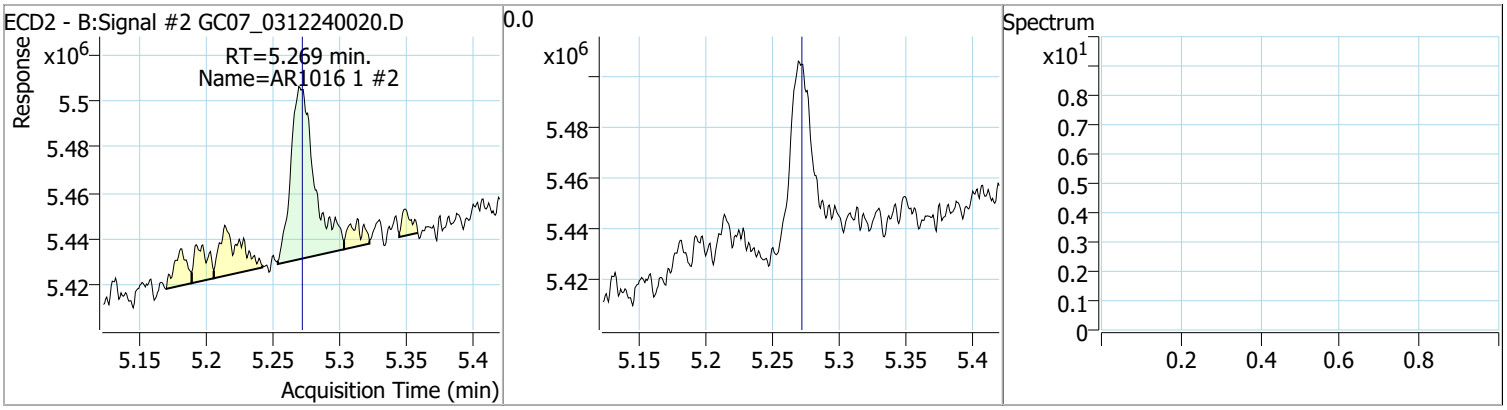
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.8689	4.83	0.00	312126				



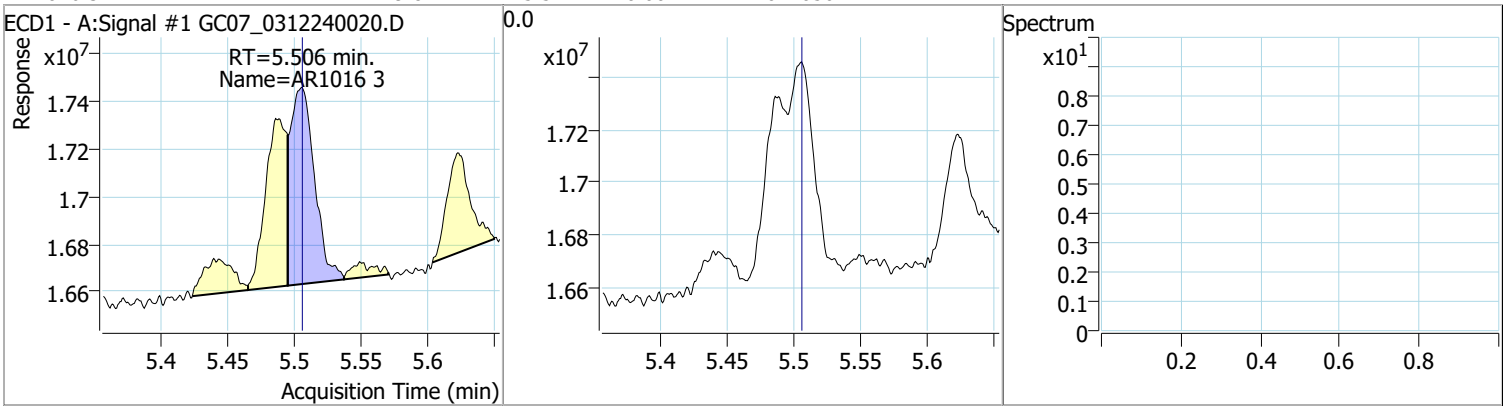
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	11.3342	5.10	0.00	862178 (m)				



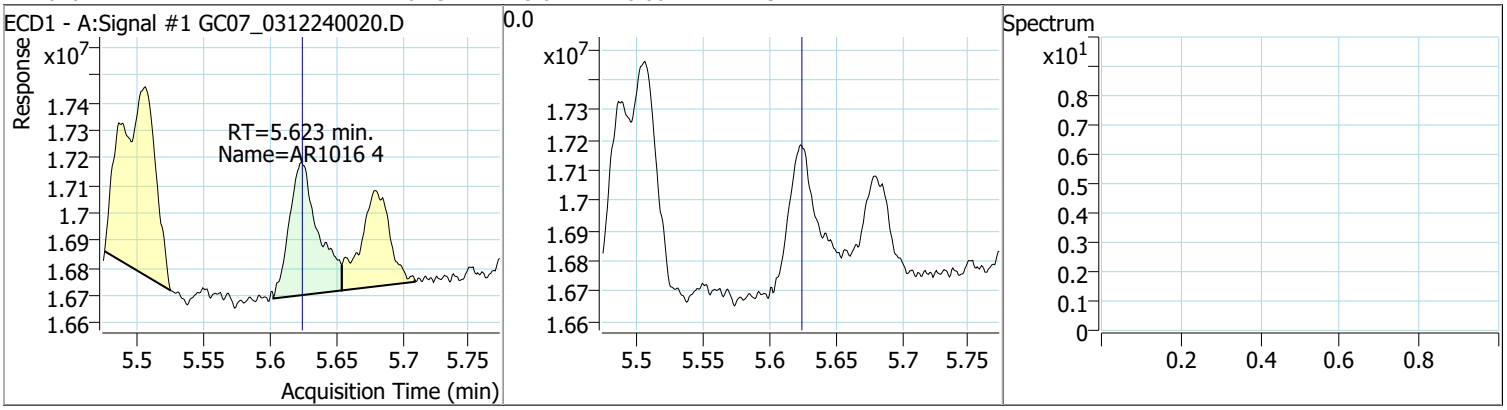
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	12.2796	5.27	0.00	93699				



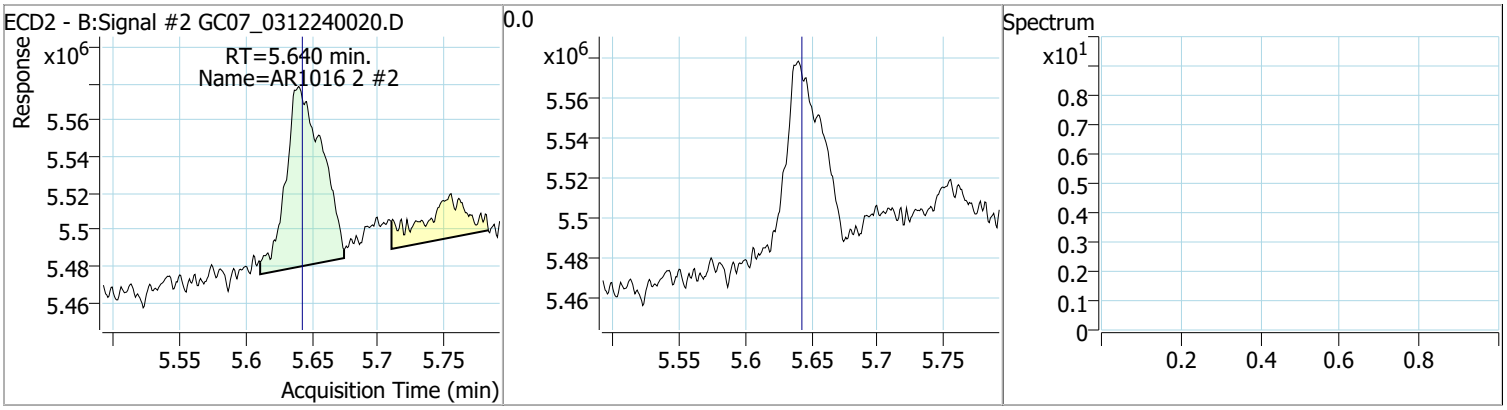
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	9.8727	5.51	0.00	1041050				



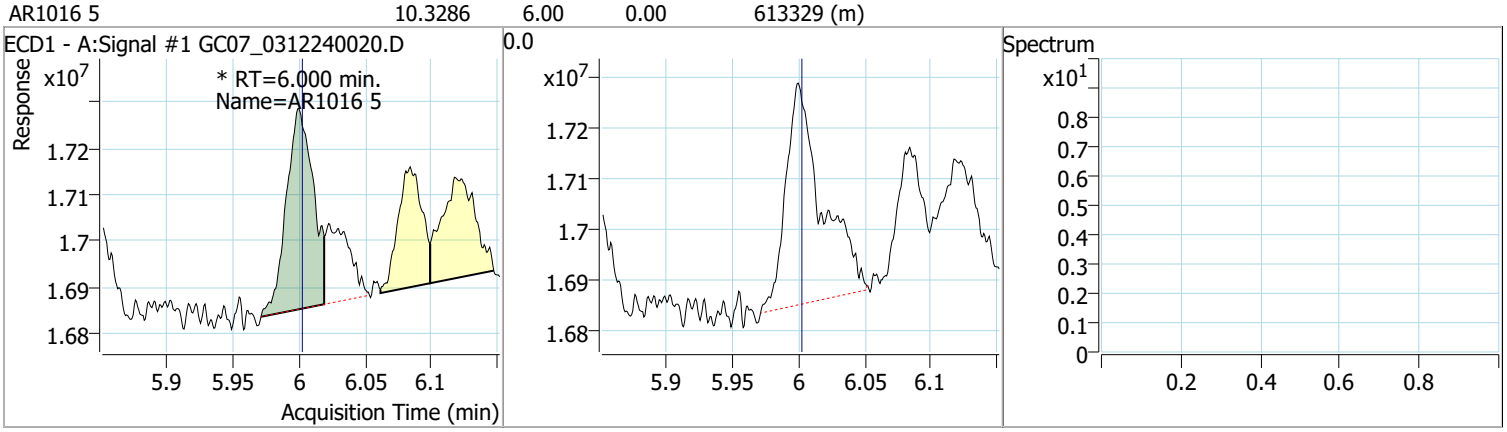
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	10.4377	5.62	0.00	734217				



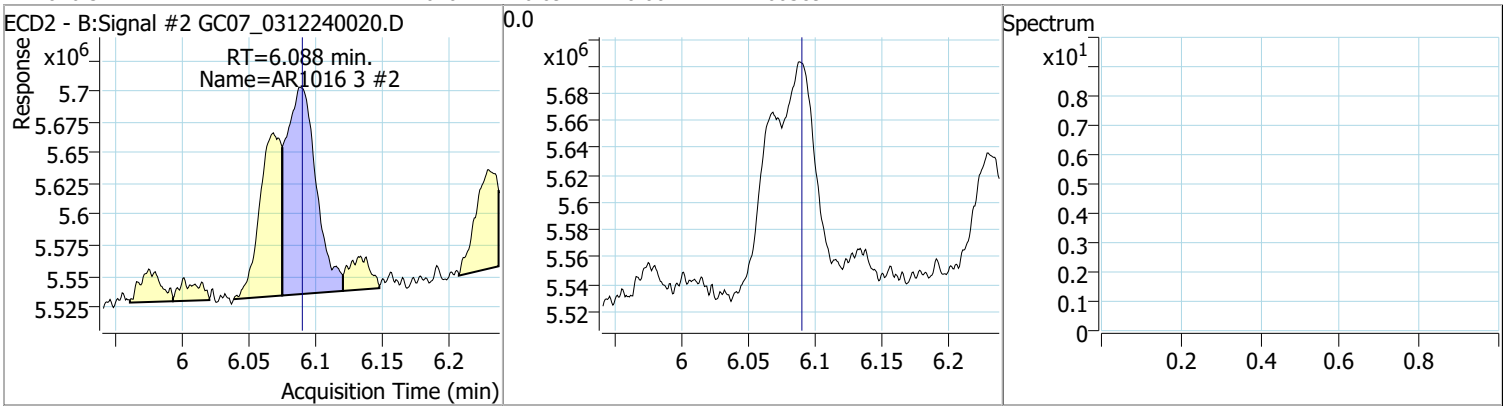
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	11.9550	5.64	0.00	189599				



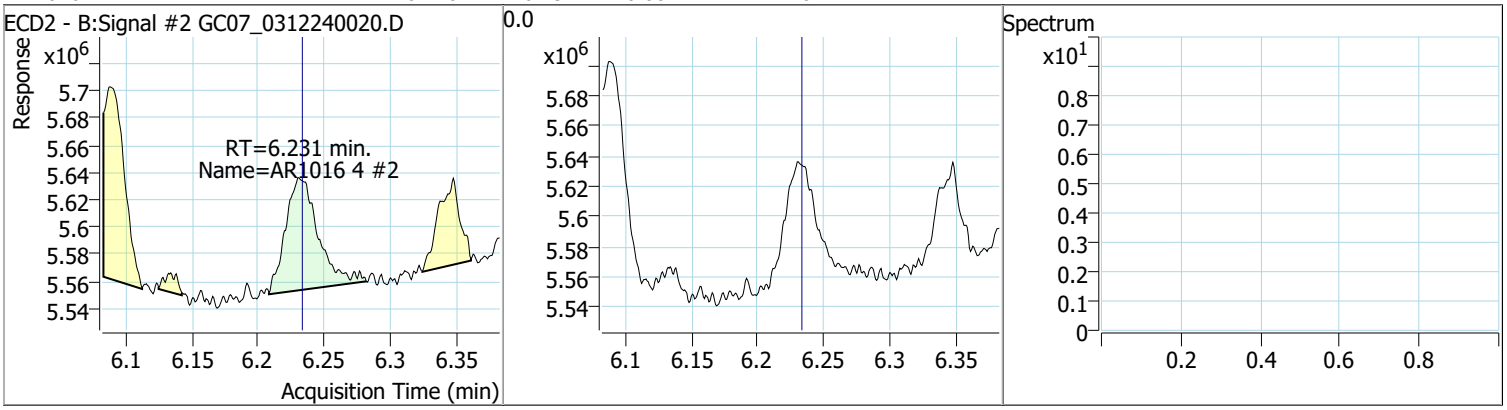
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	10.3286	6.00	0.00	613329 (m)				



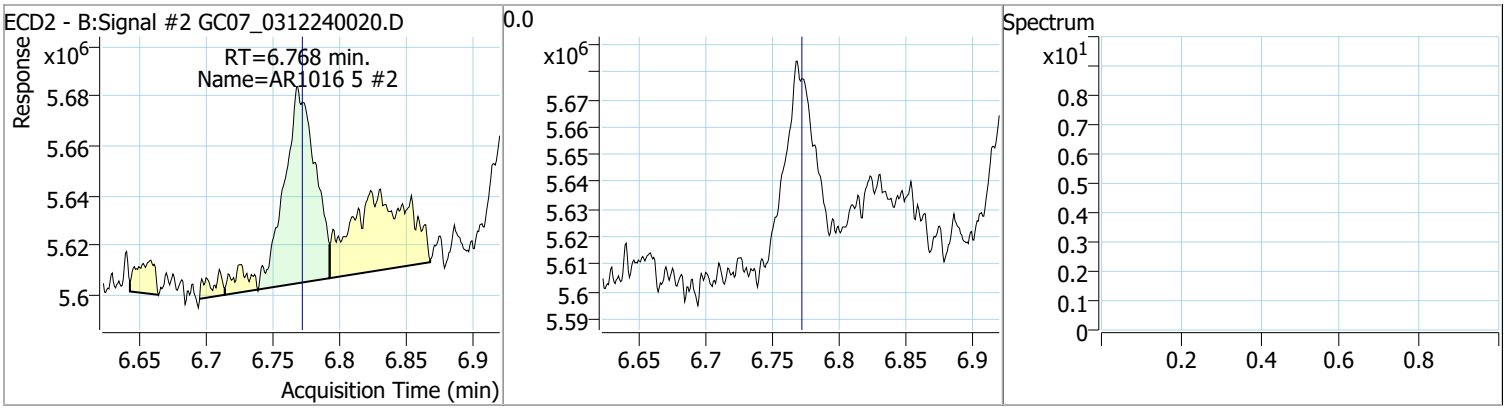
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	12.6407	6.09	0.00	260389				



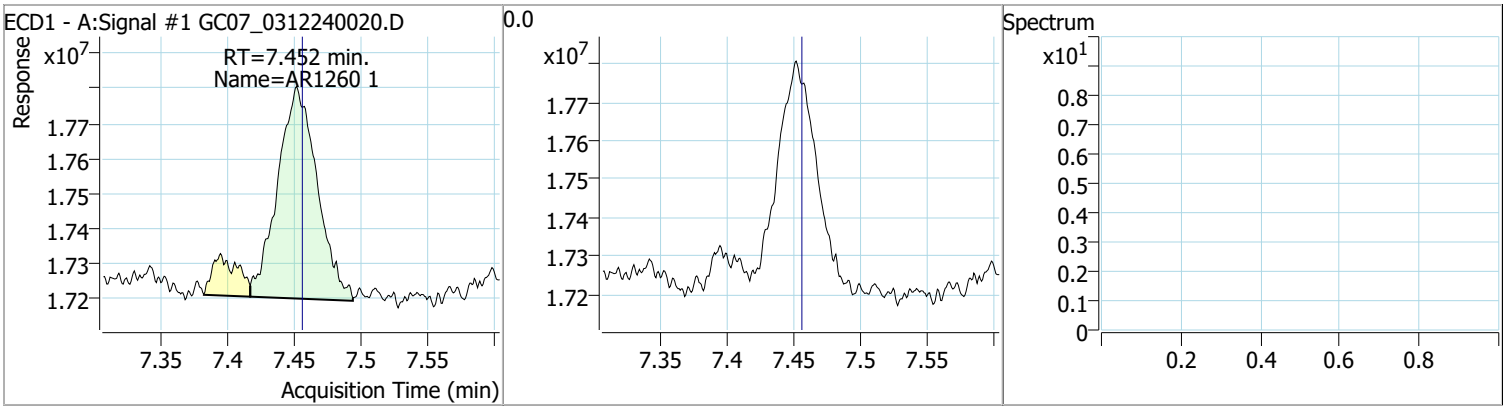
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AR1016 4 #2	10.4202	6.23	0.00	142162				



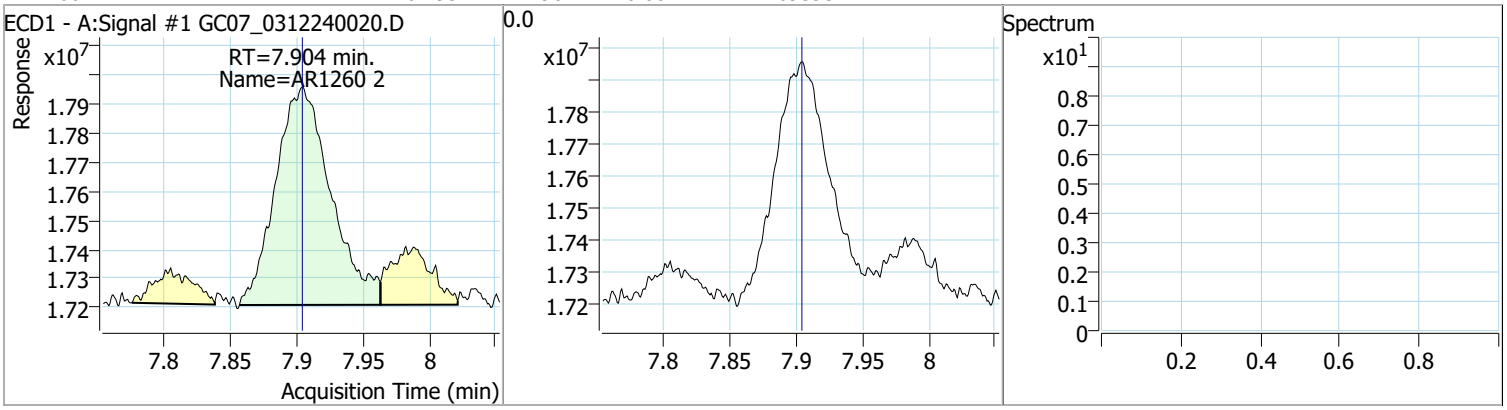
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	11.0281	6.77	0.00	127822				



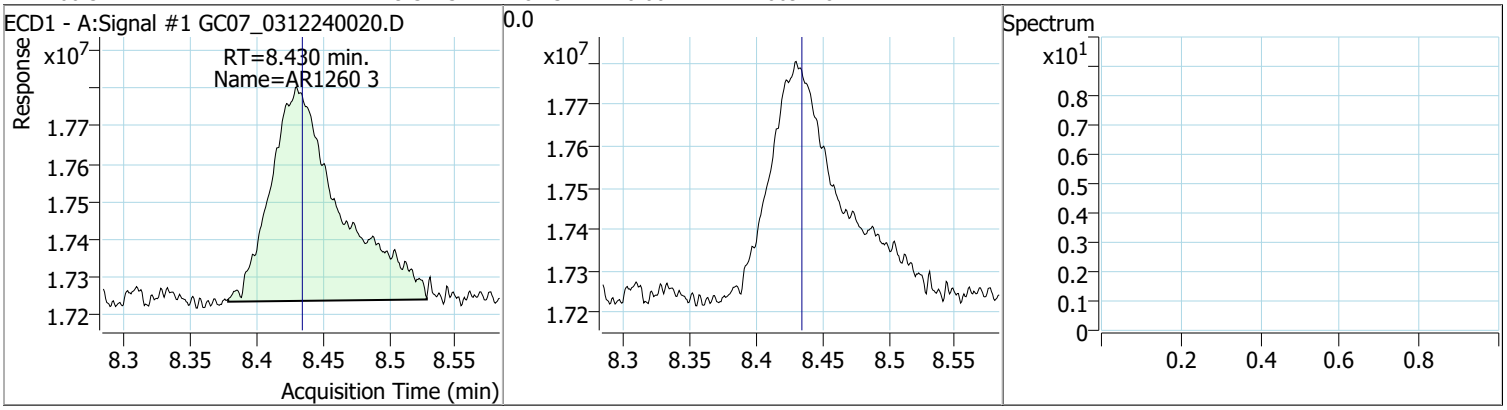
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	10.1118	7.45	0.00	1256784				



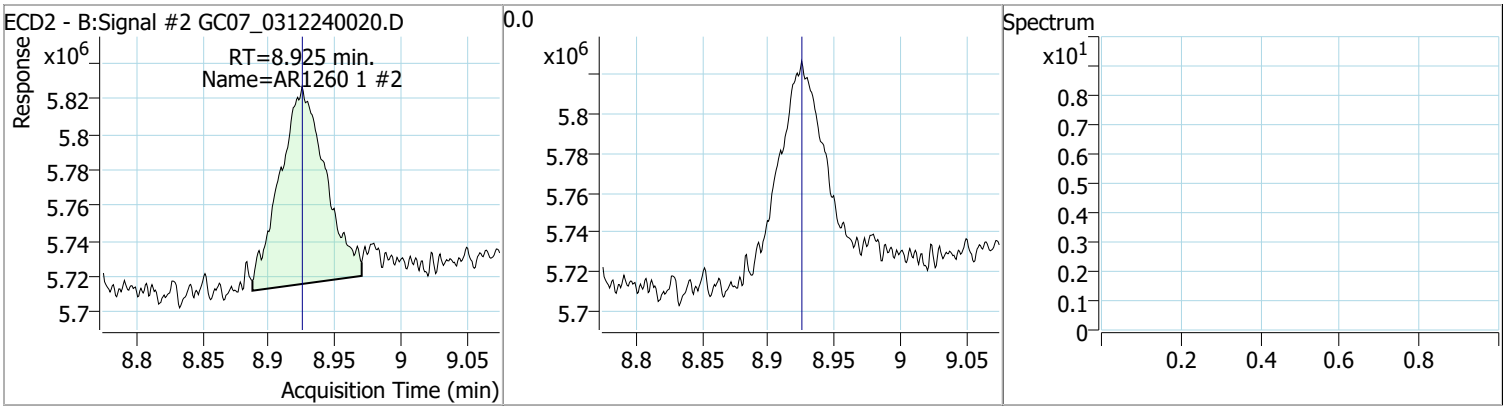
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	10.7931	7.90	0.00	2169393				



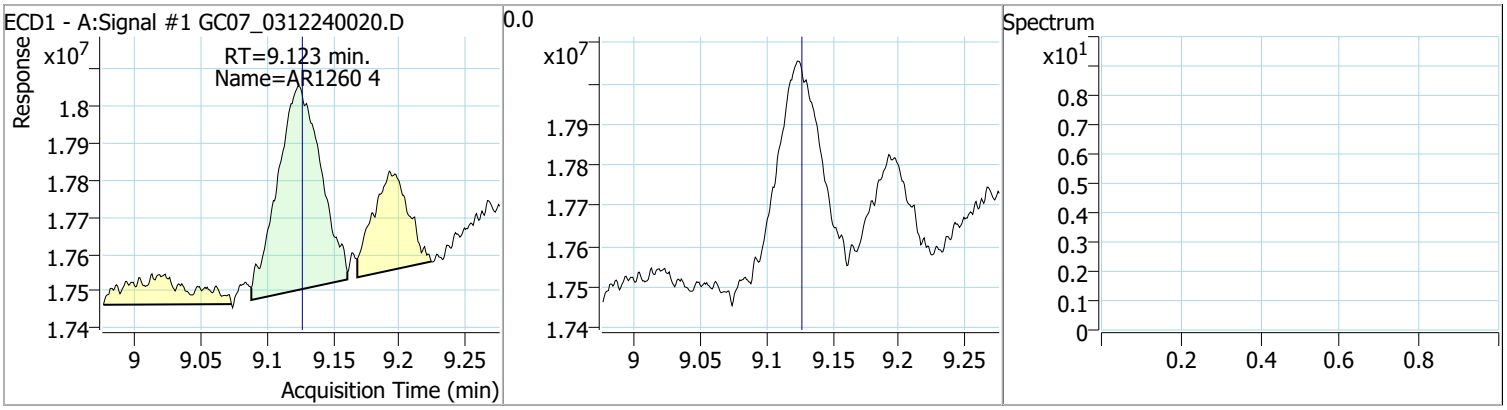
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	9.3743	8.43	0.00	2069428				



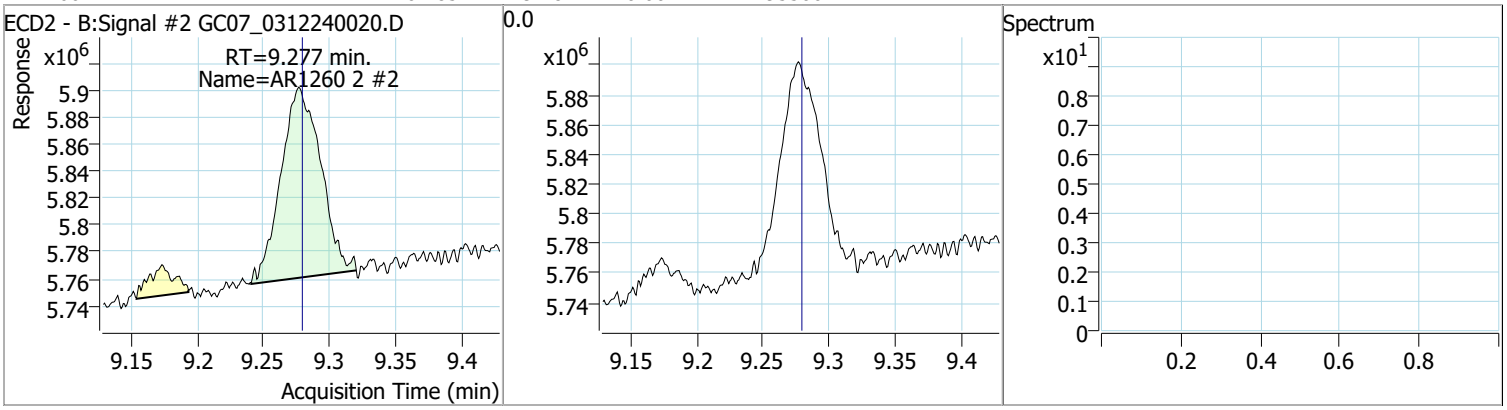
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	9.9572	8.93	0.00	264964				



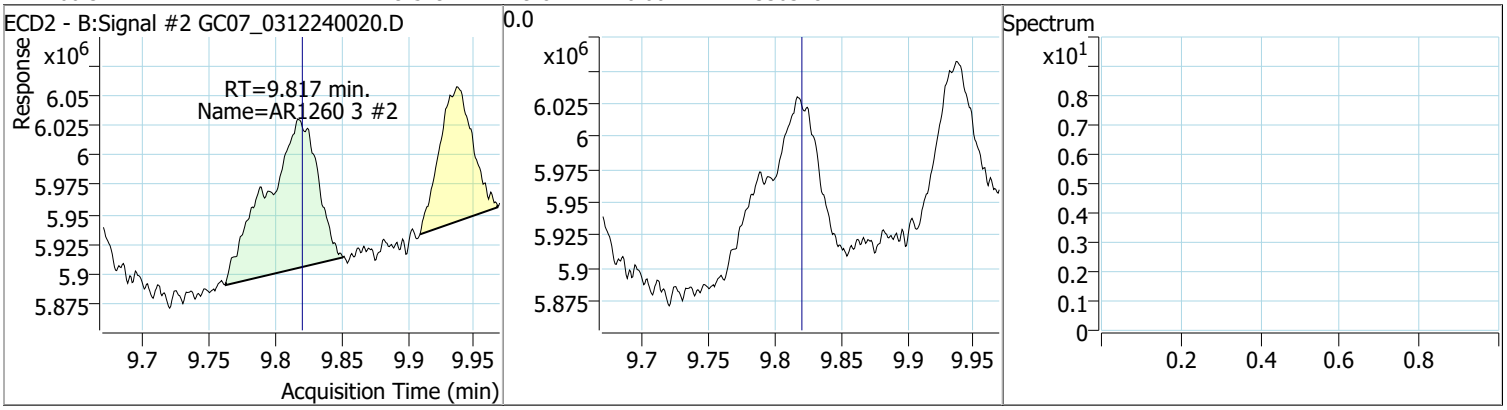
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	10.1704	9.12	0.00	1258650				



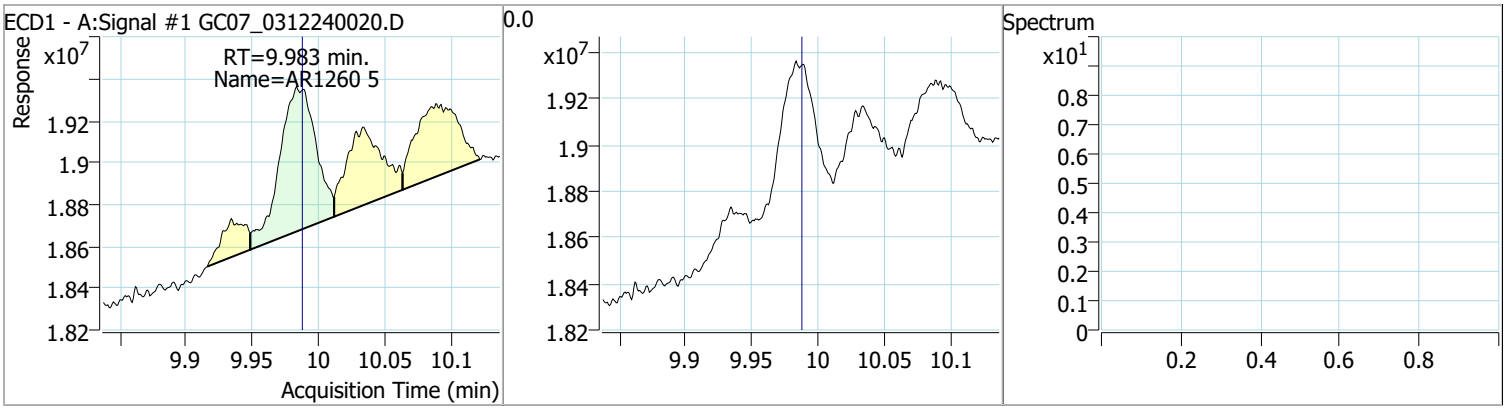
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	10.2852	9.28	0.00	295500				



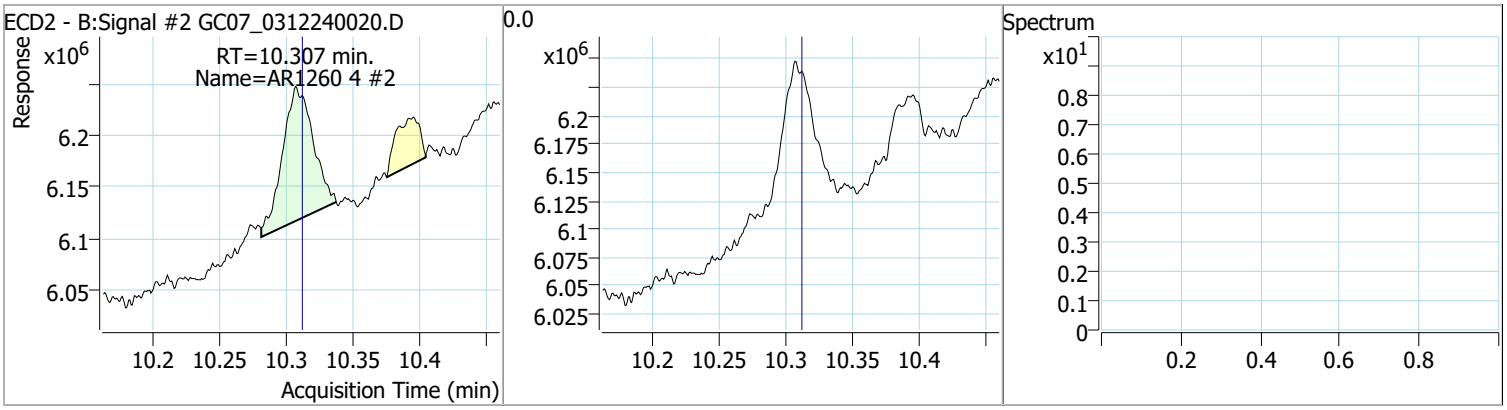
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.5792	9.82	0.00	336348				



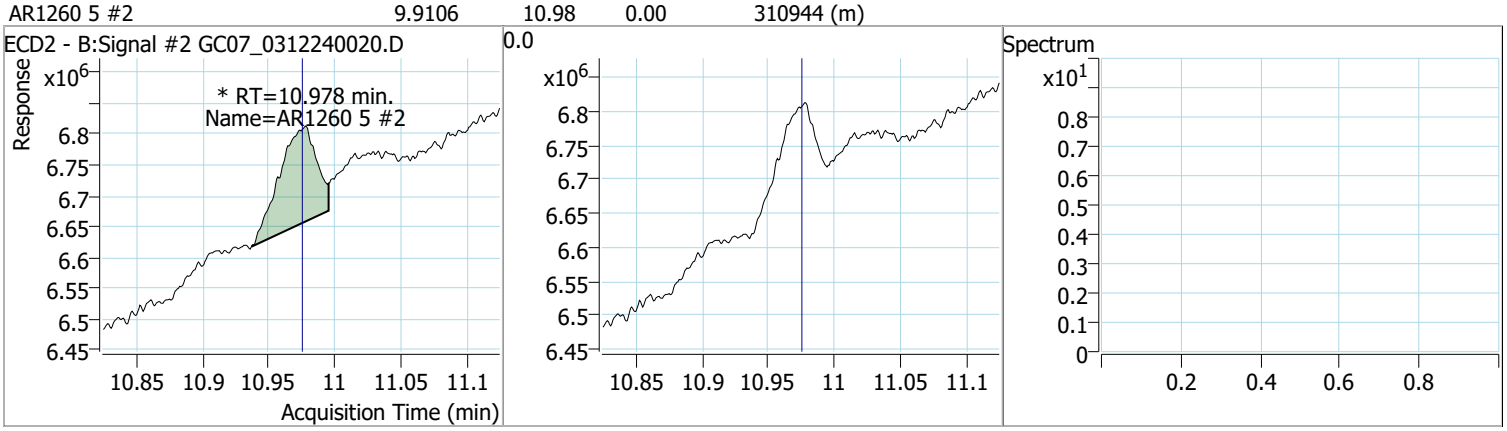
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	8.8820	9.98	0.00	1317804				



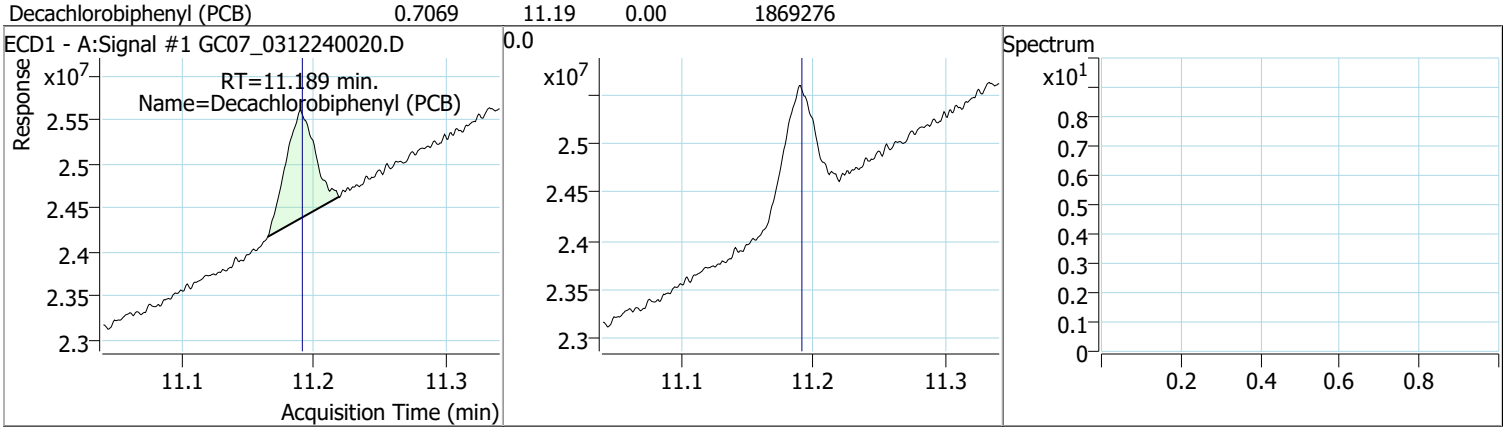
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	9.1749	10.31	0.00	207815				



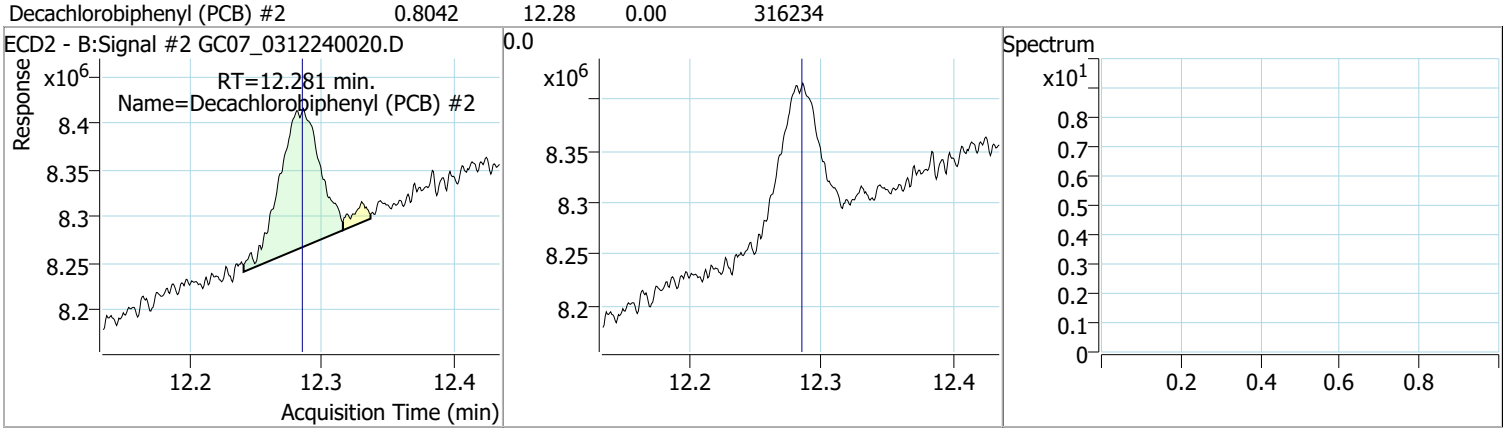
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	9.9106	10.98	0.00	310944 (m)				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.7069	11.19	0.00	1869276				

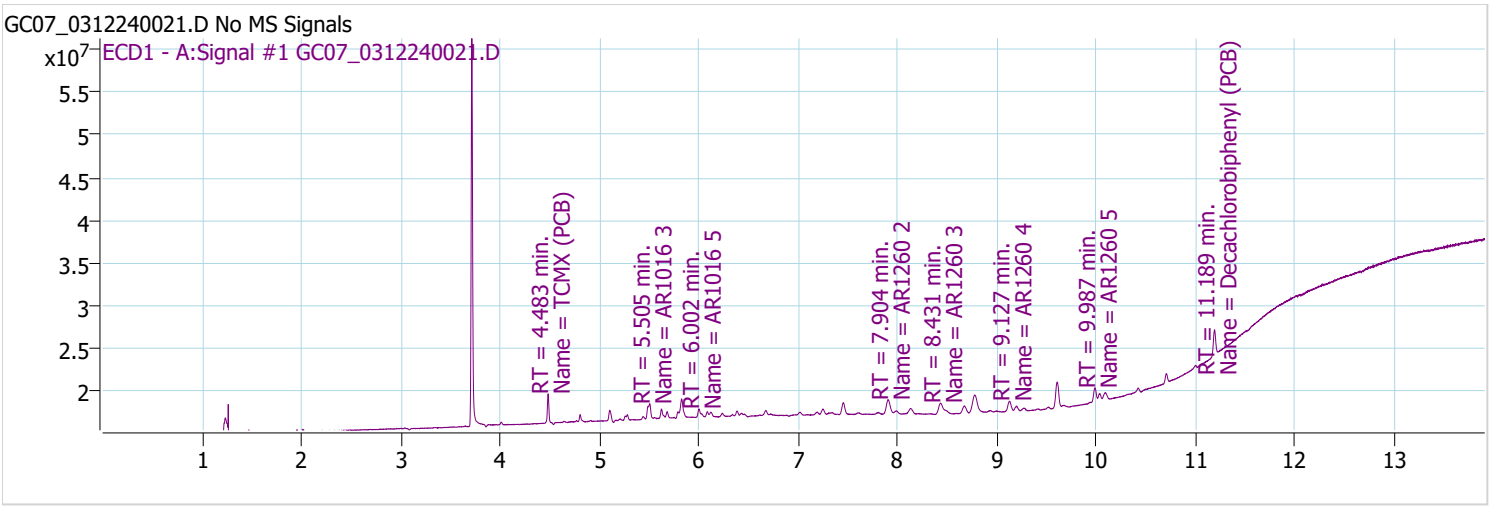


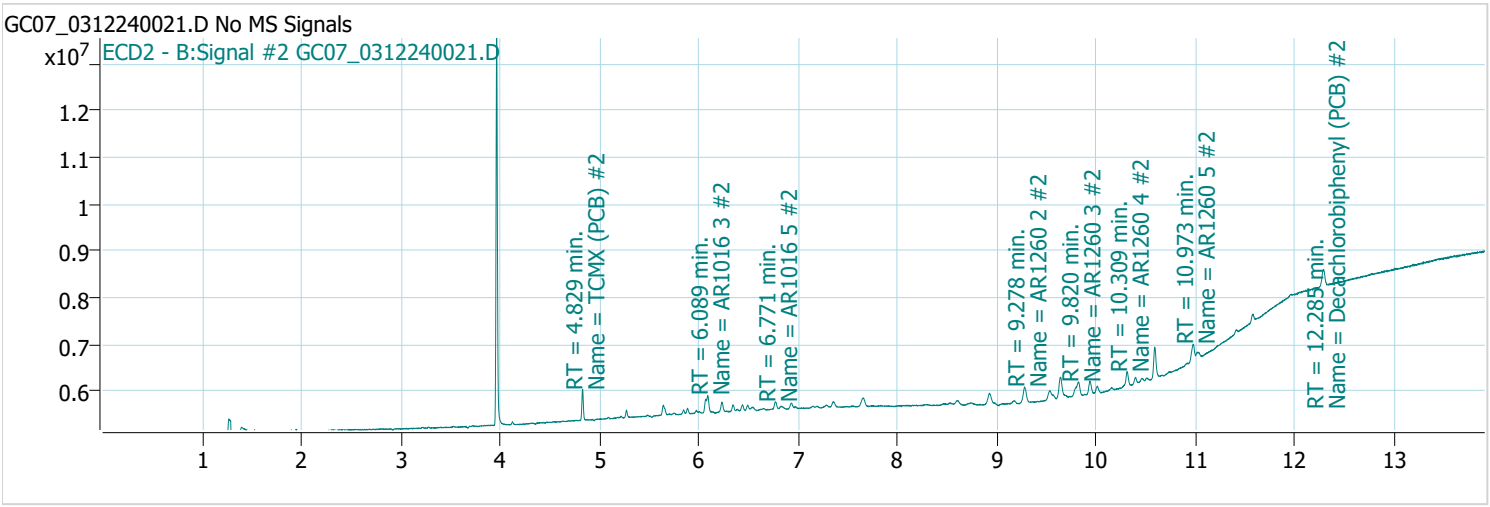
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	0.8042	12.28	0.00	316234				



Quantitation Results Report (Not Reviewed)

Data File	GC07_0312240021.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/13/2024 3:23:12 AM
Sample Name	ICAL, S19330	Instrument	SVOA-GC07
Vial	12	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_1.m	Comment	20 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	031224PCBICAL.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



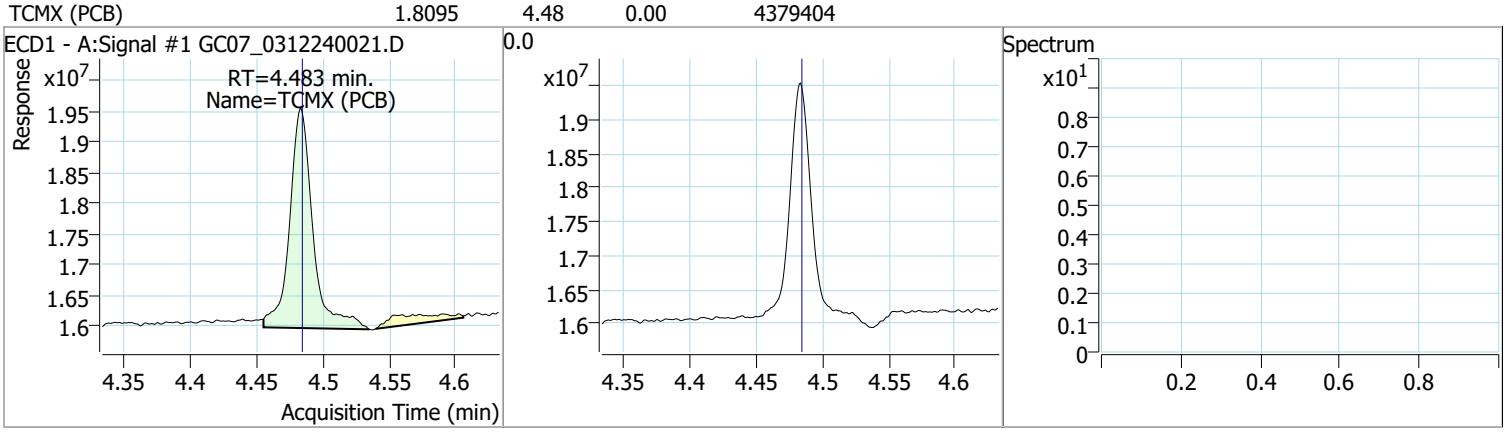


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.715	0.0	47700766.414	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.965	0.0	8177888.941	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.483	0.0	4379404.058	1.8095	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.05%		*	
S TCMX (PCB) #2	4.829	0.0	722997.083	1.7578	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.79%		*	
S Decachlorobiphenyl (PCB)	11.189	0.0	4800465.680	1.5655	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 7.83%		*	
S Decachlorobiphenyl (PCB) #2	12.285	0.0	788672.571	1.7516	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.76%		*	
Target Compounds							**QValue**
T AR1016 1	4.805	0.0	1077128.701	22.6195	ng/ml		100

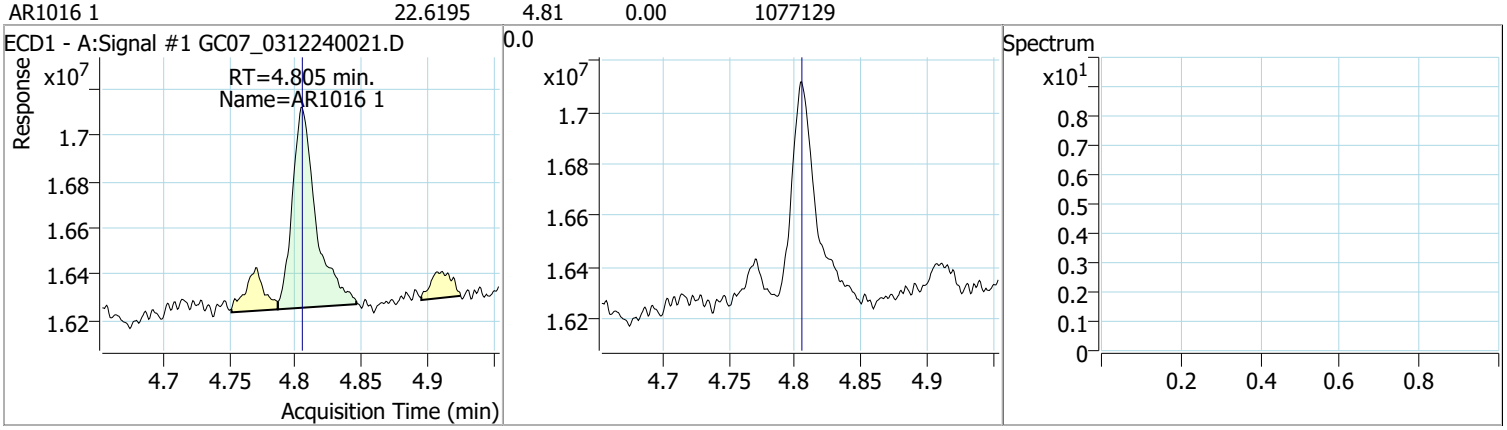
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.103	0.0	2122779.635	24.0652	ng/ml	m	100
T AR1016 1 #2	5.272	0.0	181673.569	20.7933	ng/ml		100
T AR1016 3	5.505	0.0	2589688.350	21.1789	ng/ml	m	100
T AR1016 4	5.623	0.0	1721390.421	21.1033	ng/ml		100
T AR1016 2 #2	5.643	0.0	450366.089	24.8004	ng/ml		100
T AR1016 5	6.002	0.0	1452649.491	21.0960	ng/ml		100
T AR1016 3 #2	6.089	0.0	555658.669	23.5580	ng/ml	m	100
T AR1016 4 #2	6.233	0.0	353793.364	22.6477	ng/ml		100
T AR1016 5 #2	6.771	0.0	299155.853	22.5409	ng/ml		100
T AR1260 1	7.455	0.0	3061891.239	21.2445	ng/ml		100
T AR1260 2	7.904	0.0	4782364.638	20.5182	ng/ml		100
T AR1260 3	8.431	0.0	4963178.465	19.3884	ng/ml		100
T AR1260 1 #2	8.924	0.0	748310.371	24.5593	ng/ml		100
T AR1260 4	9.127	0.0	2744672.519	19.1256	ng/ml		100
T AR1260 2 #2	9.278	0.0	763872.064	23.2198	ng/ml		100
T AR1260 3 #2	9.820	0.0	861432.500	21.4261	ng/ml		100
T AR1260 5	9.987	0.0	3116292.826	18.1129	ng/ml		100
T AR1260 4 #2	10.309	0.0	541364.943	20.8736	ng/ml		100
T AR1260 5 #2	10.973	0.0	722698.978	20.1166	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

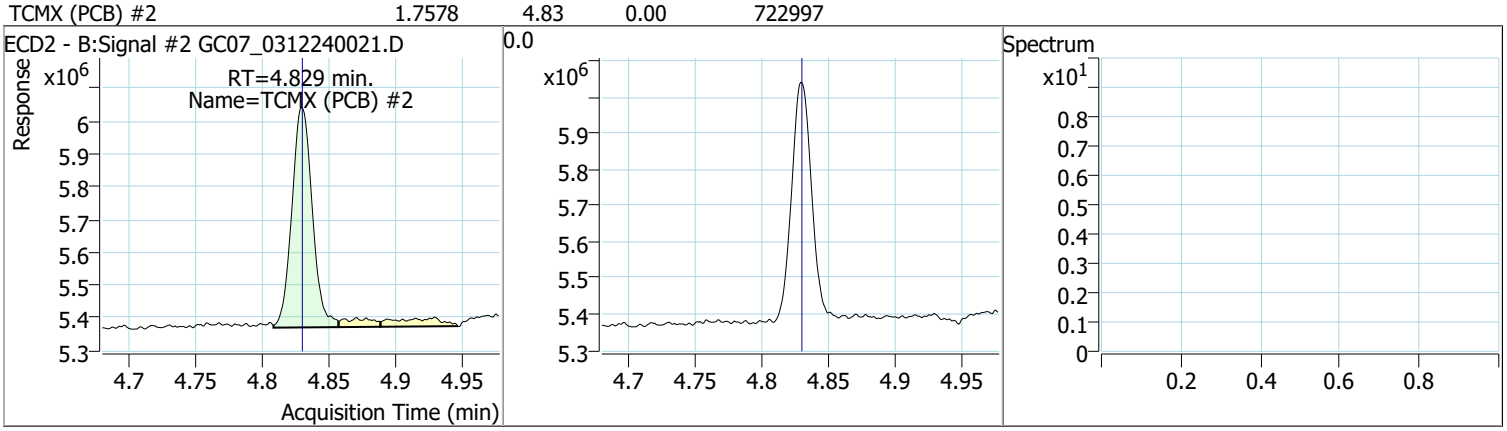
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.8095	4.48	0.00	4379404				



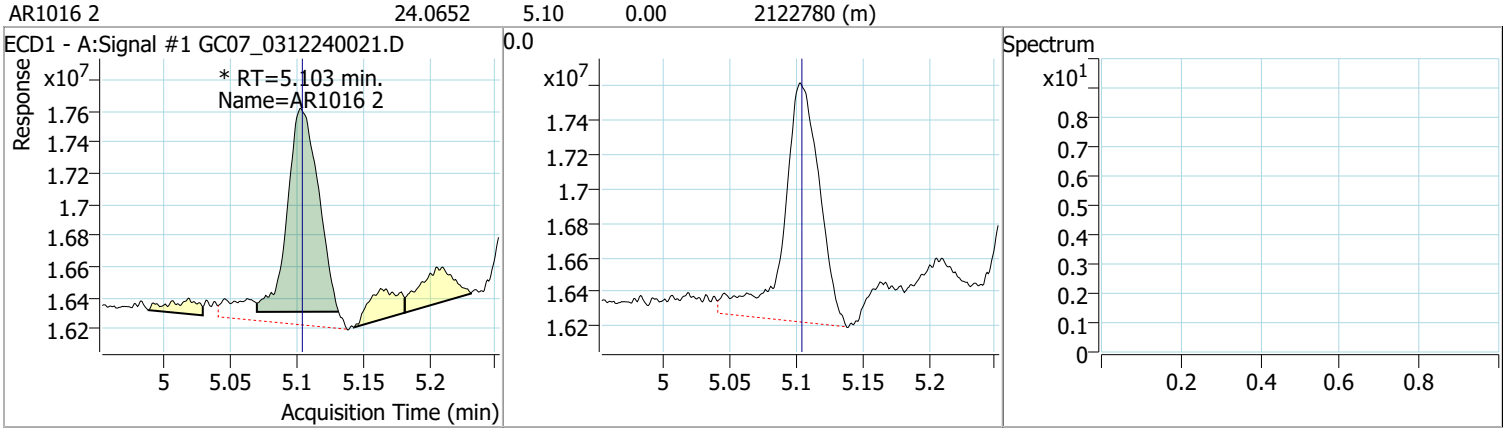
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	22.6195	4.81	0.00	1077129				



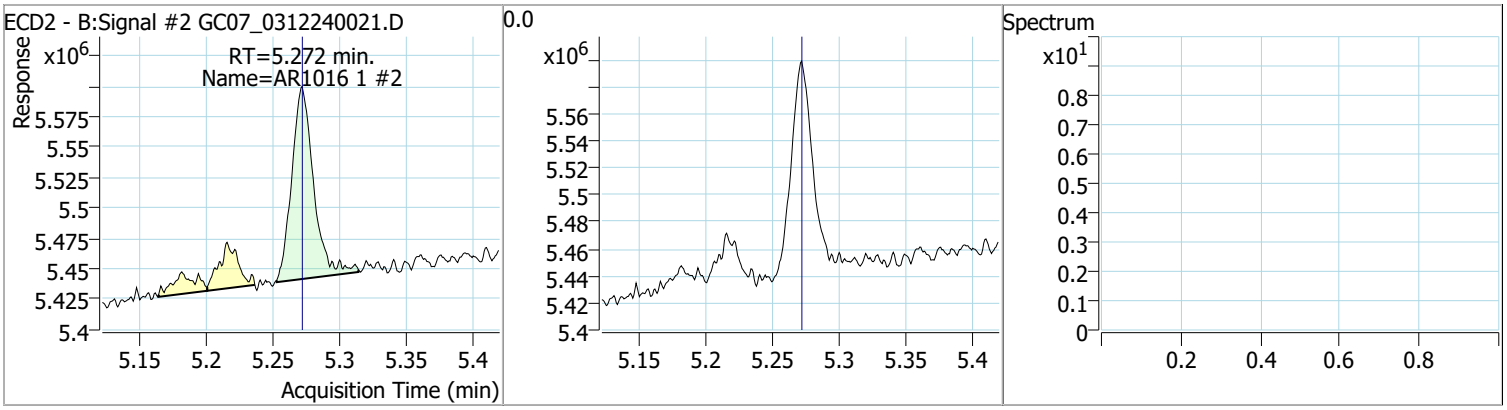
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.7578	4.83	0.00	722997				



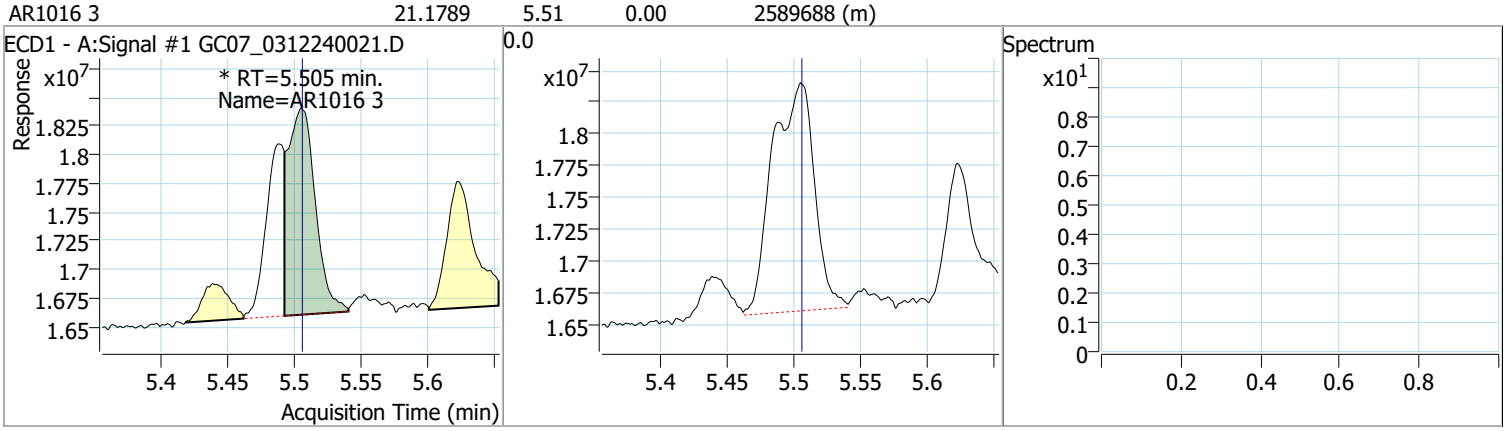
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	24.0652	5.10	0.00	2122780 (m)				



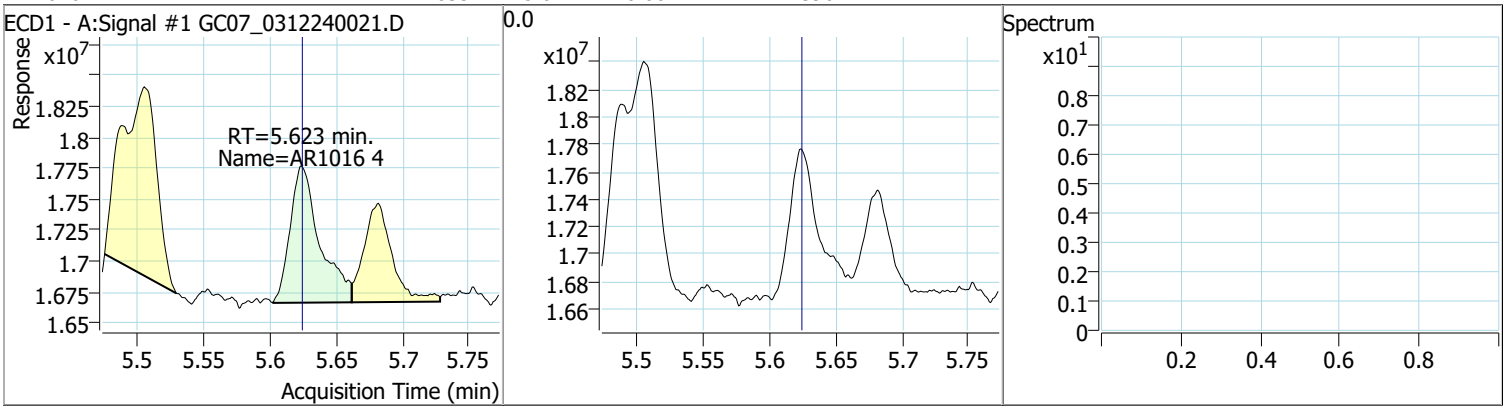
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	20.7933	5.27	0.00	181674				



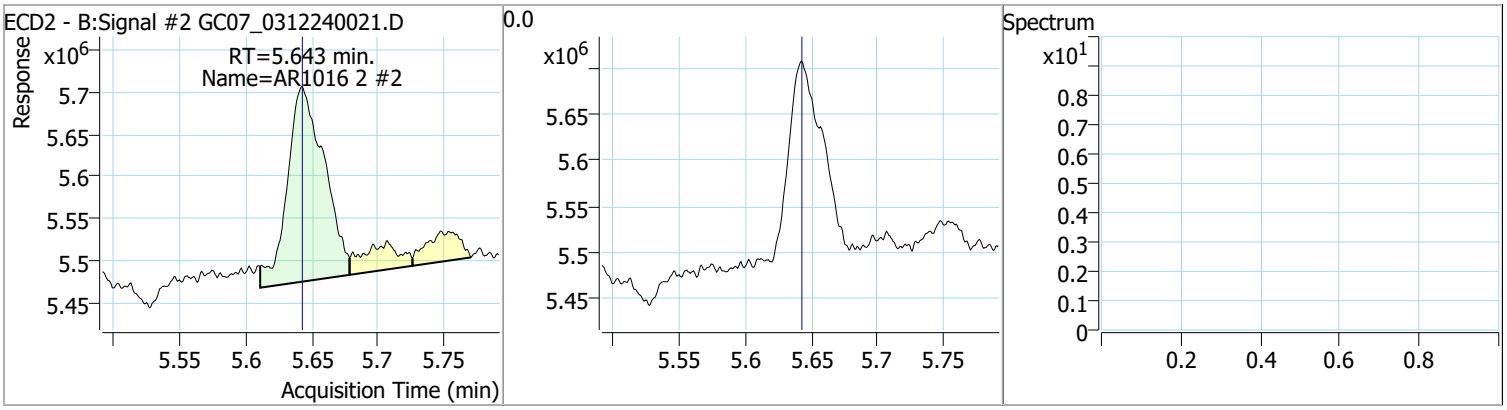
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	21.1789	5.51	0.00	2589688 (m)				



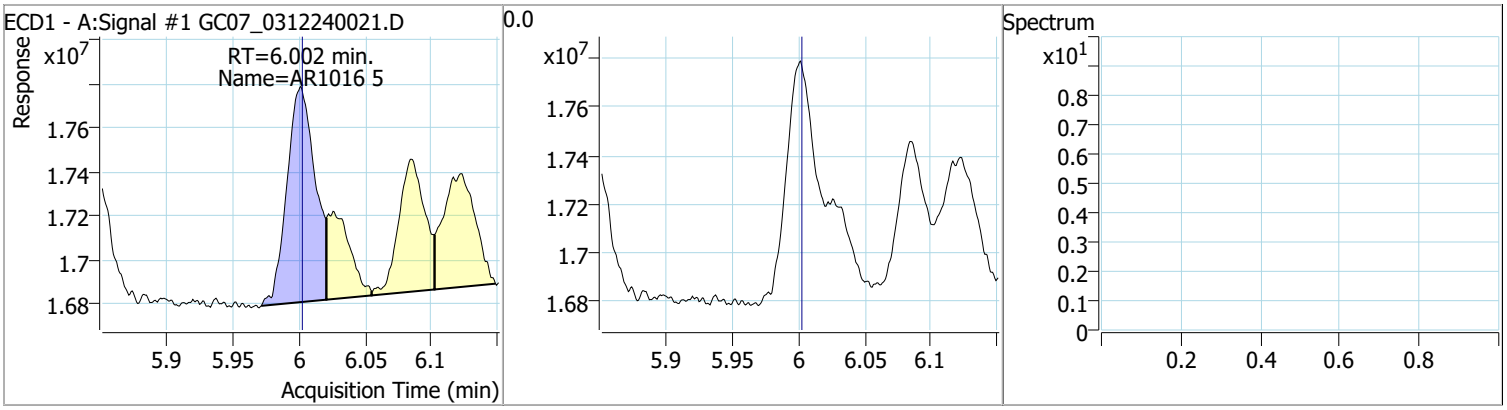
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	21.1033	5.62	0.00	1721390				



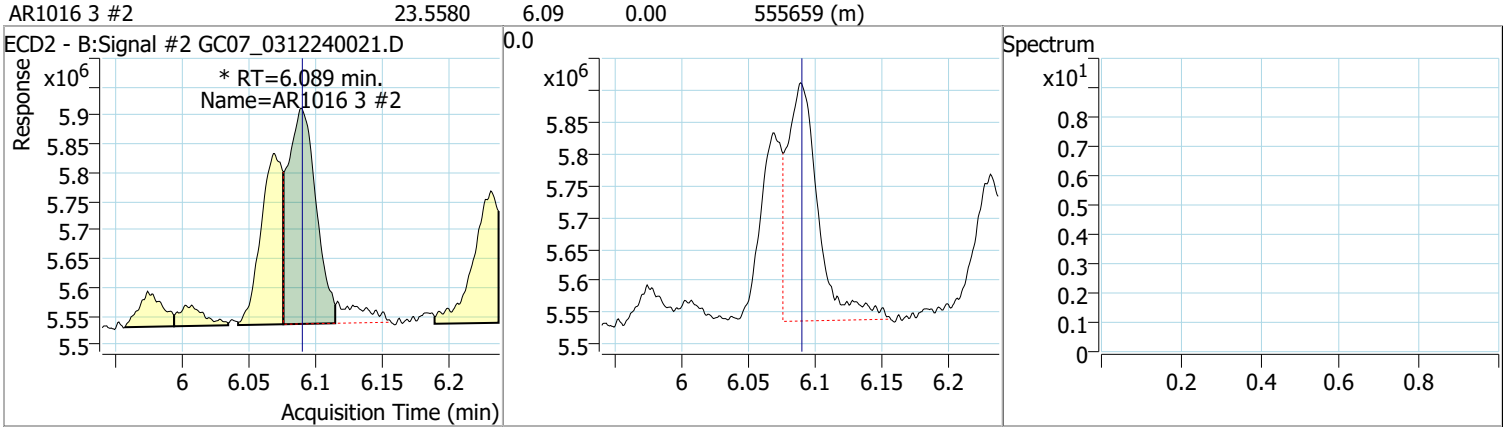
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	24.8004	5.64	0.00	450366				



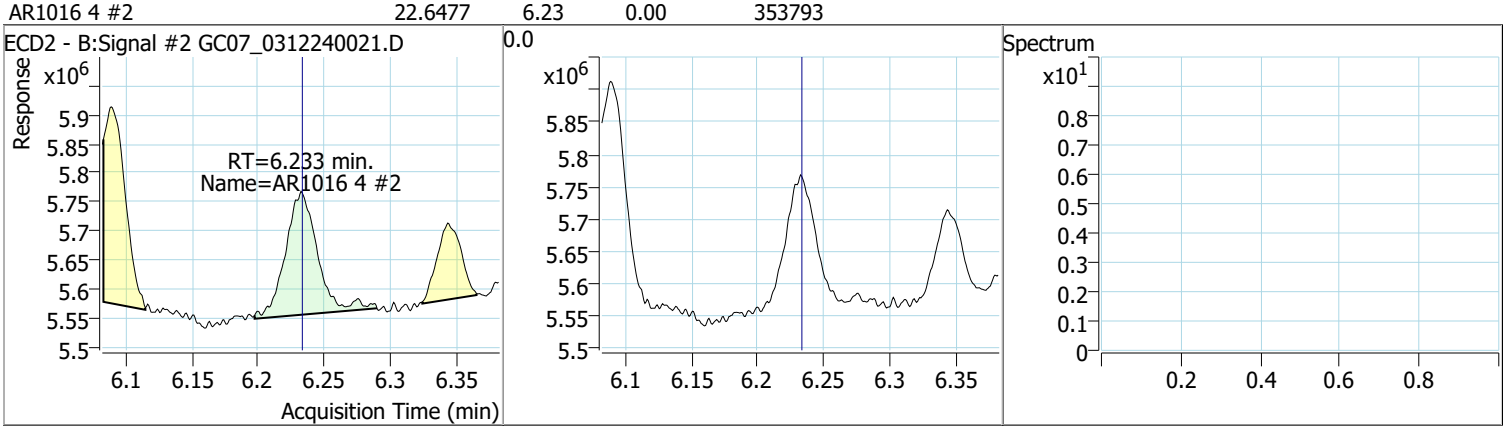
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.0960	6.00	0.00	1452649				



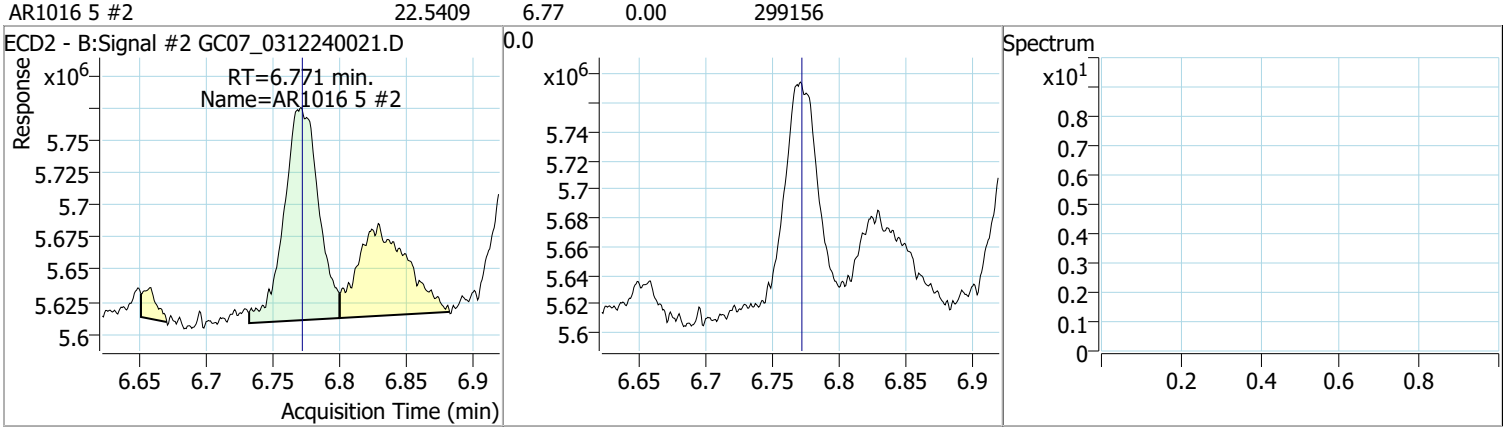
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	23.5580	6.09	0.00	555659 (m)				



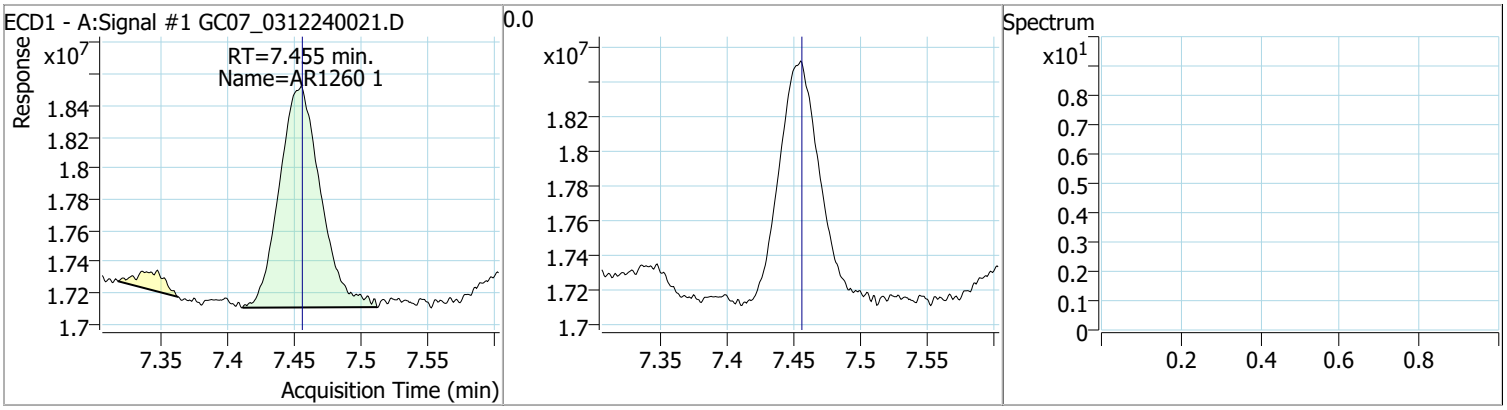
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	22.6477	6.23	0.00	353793				



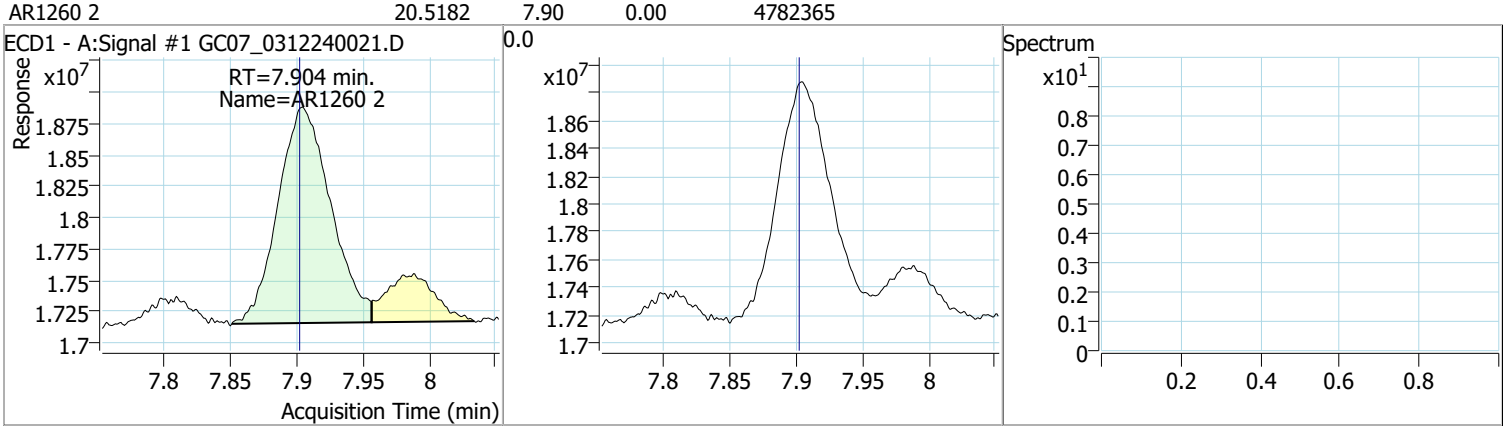
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	22.5409	6.77	0.00	299156				



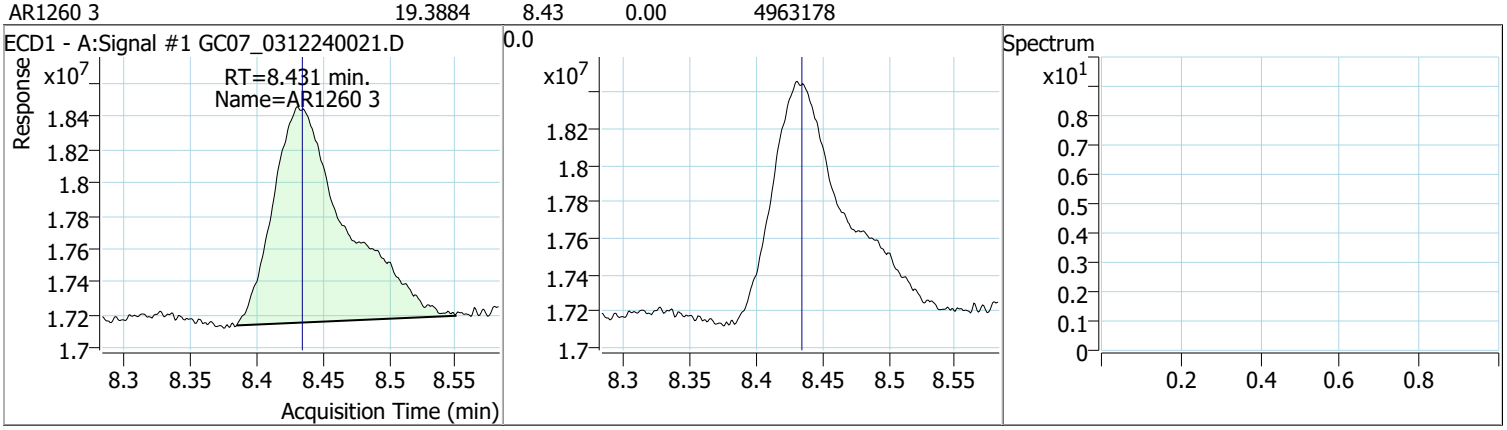
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	21.2445	7.46	0.00	3061891				



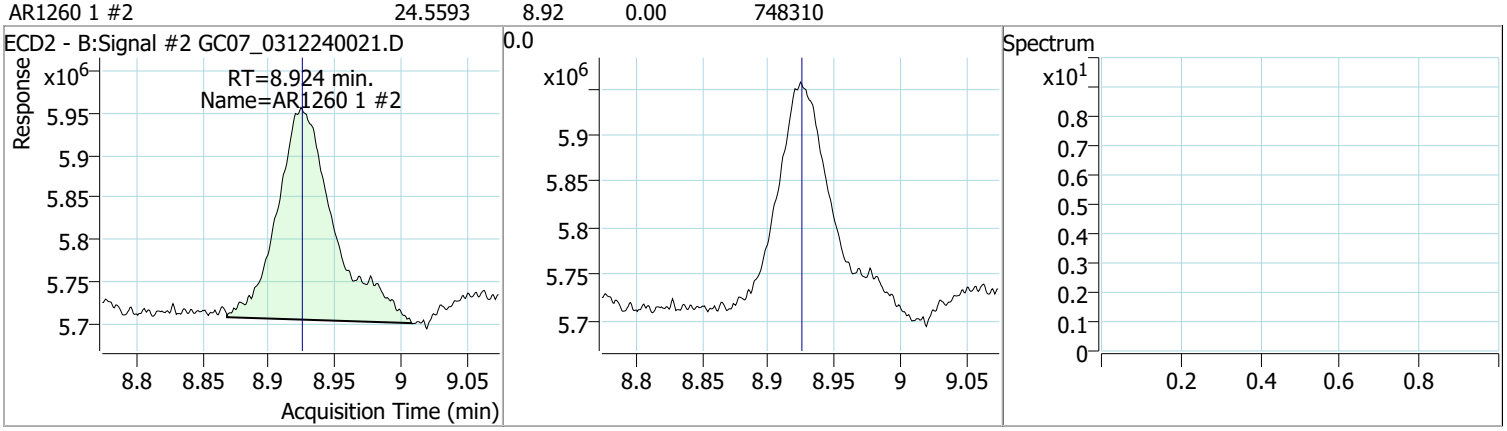
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	20.5182	7.90	0.00	4782365				



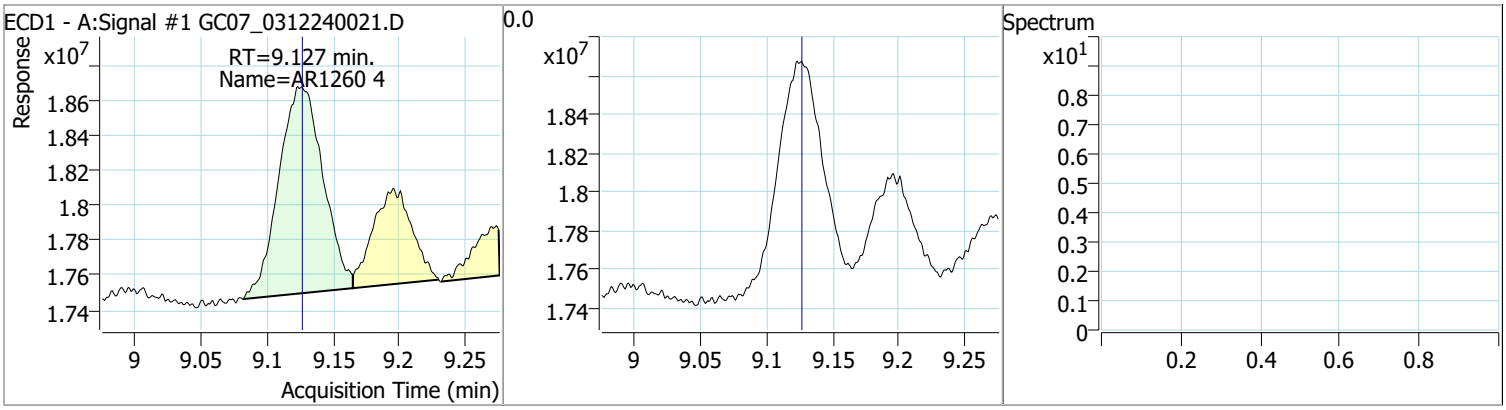
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	19.3884	8.43	0.00	4963178				



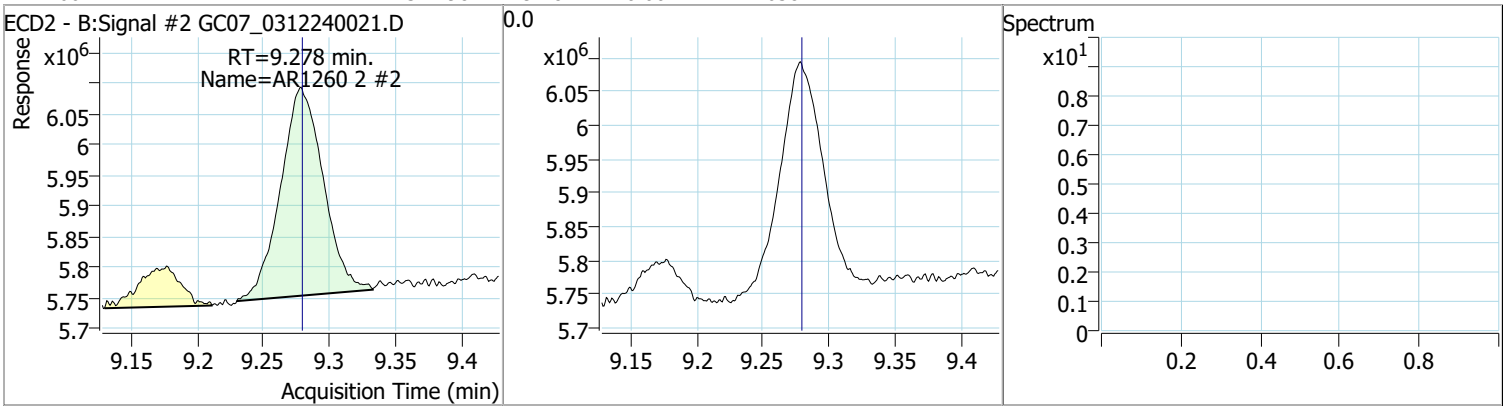
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	24.5593	8.92	0.00	748310				



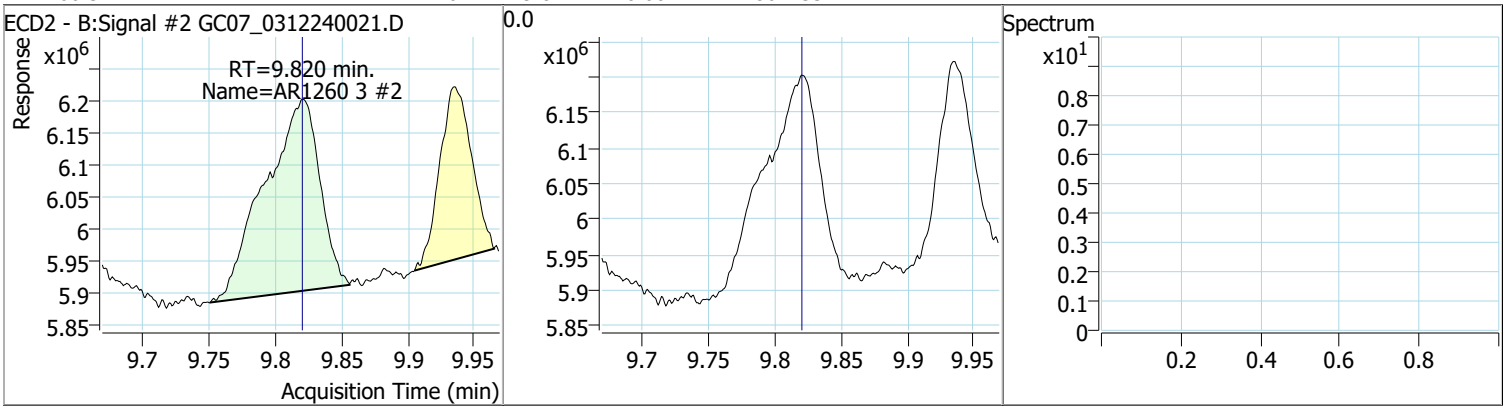
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	19.1256	9.13	0.00	2744673				



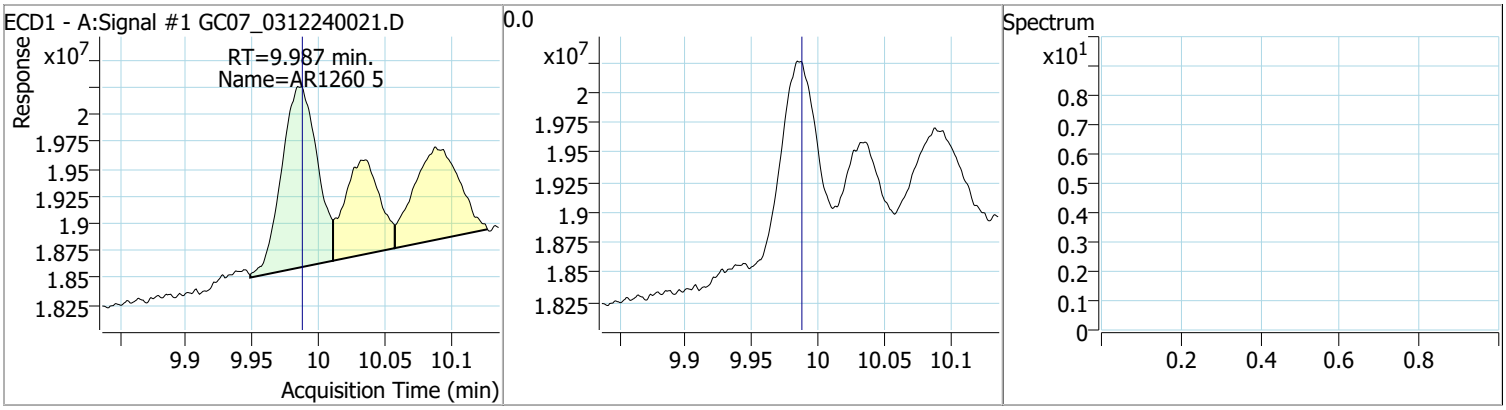
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	23.2198	9.28	0.00	763872				



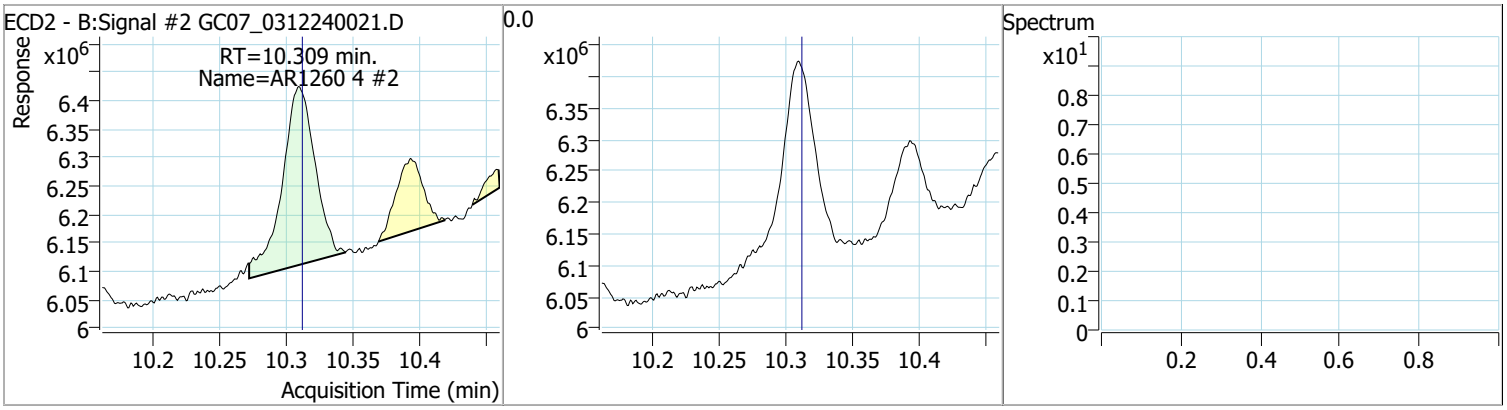
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	21.4261	9.82	0.00	861433				



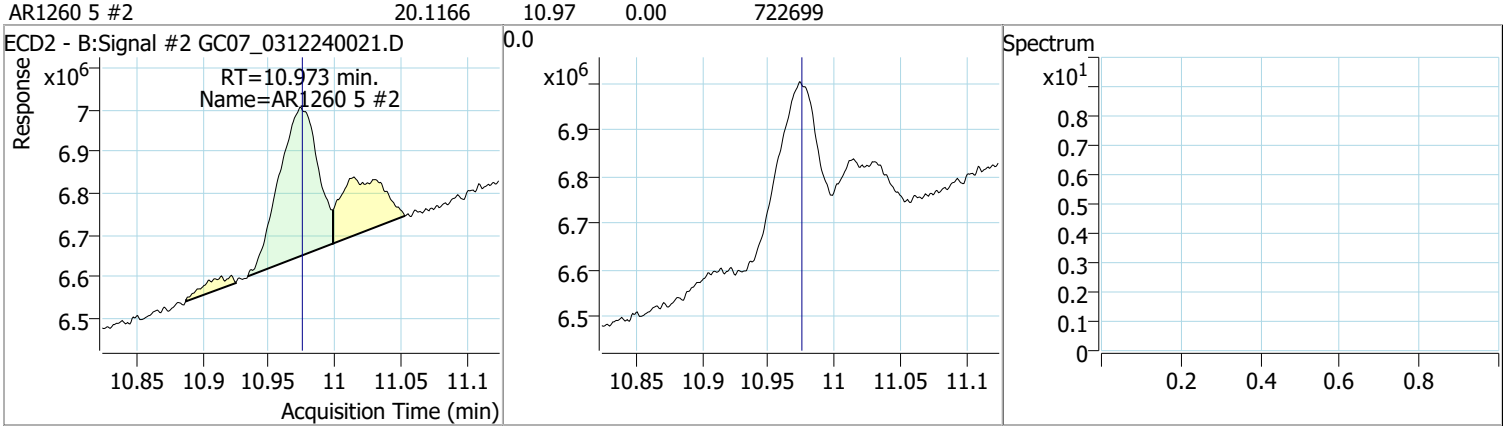
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.1129	9.99	0.00	3116293				



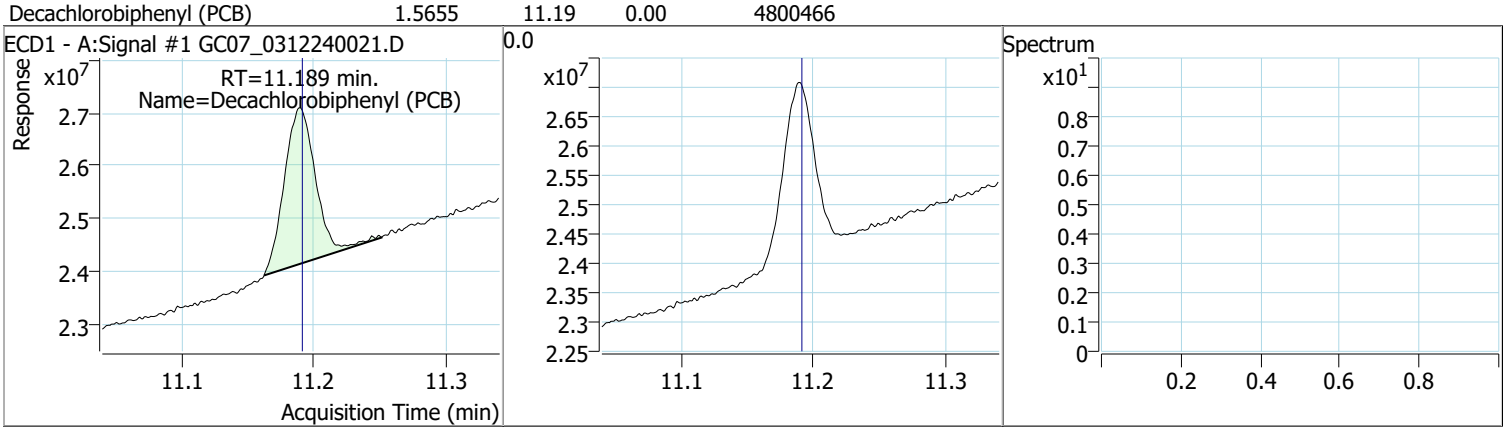
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	20.8736	10.31	0.00	541365				



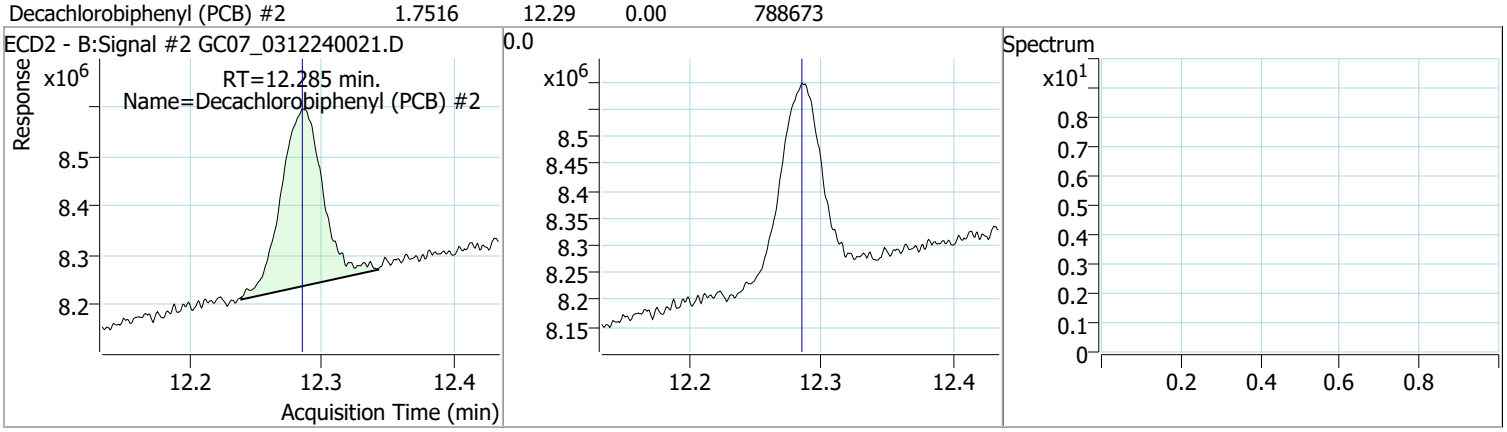
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	20.1166	10.97	0.00	722699				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.5655	11.19	0.00	4800466				

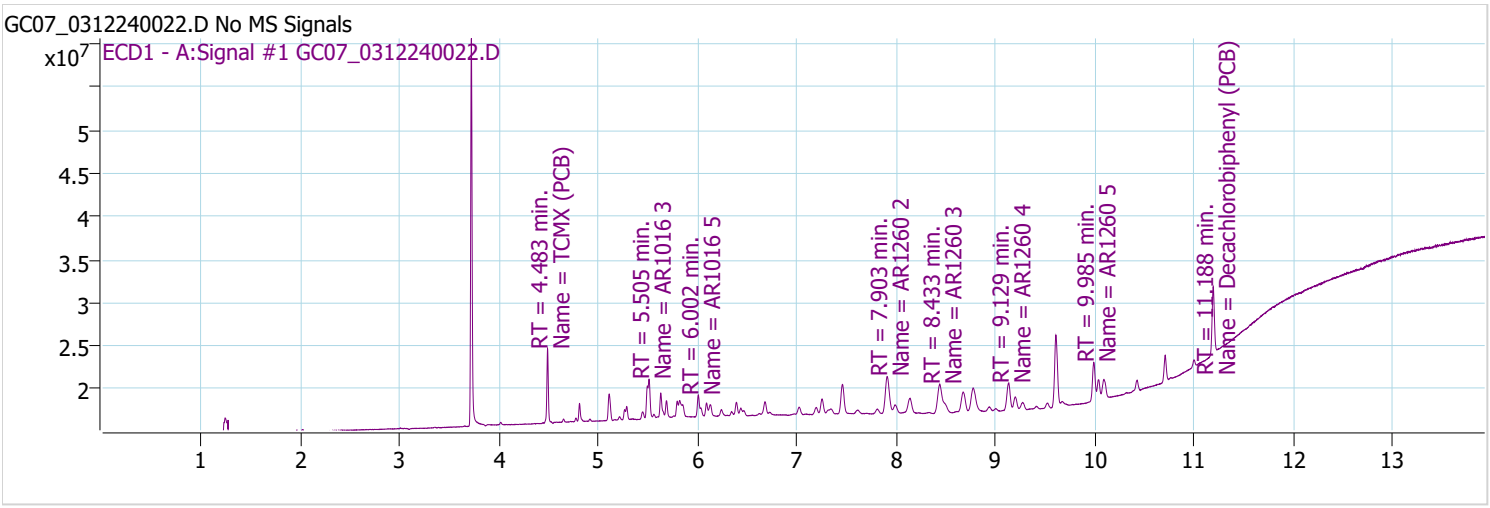


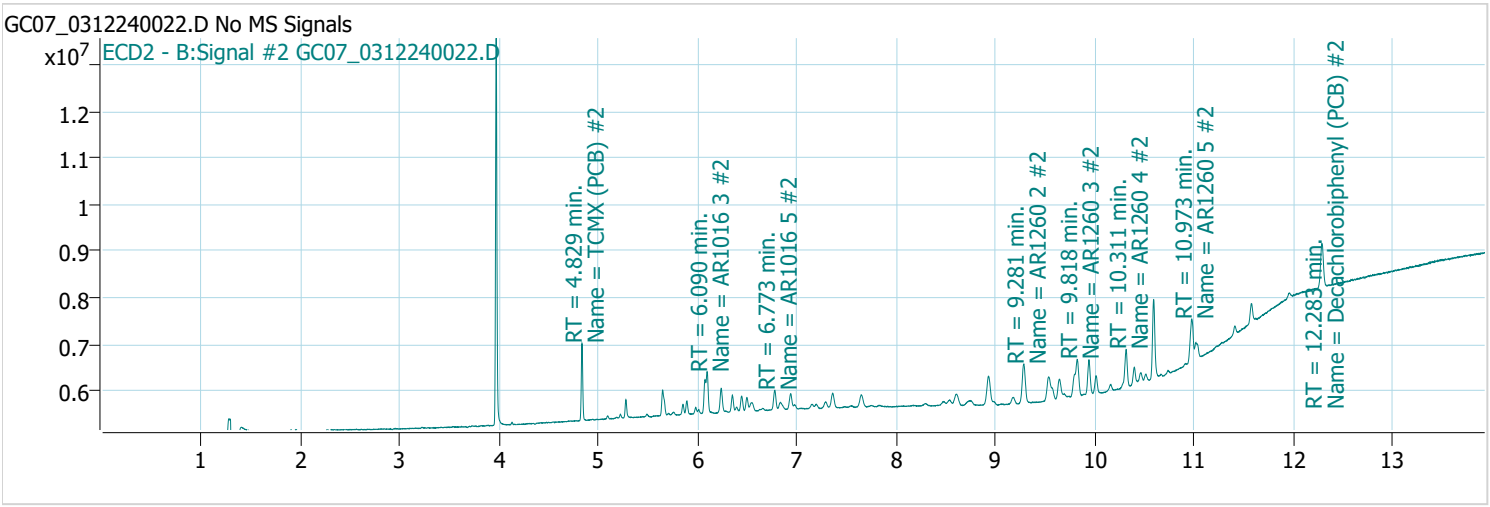
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.7516	12.29	0.00	788673				



Quantitation Results Report (Not Reviewed)

Data File	GC07_0312240022.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/13/2024 3:44:00 AM
Sample Name	ICAL, S19332	Instrument	SVOA-GC07
Vial	13	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_1.m	Comment	50 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	031224PCBICAL.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



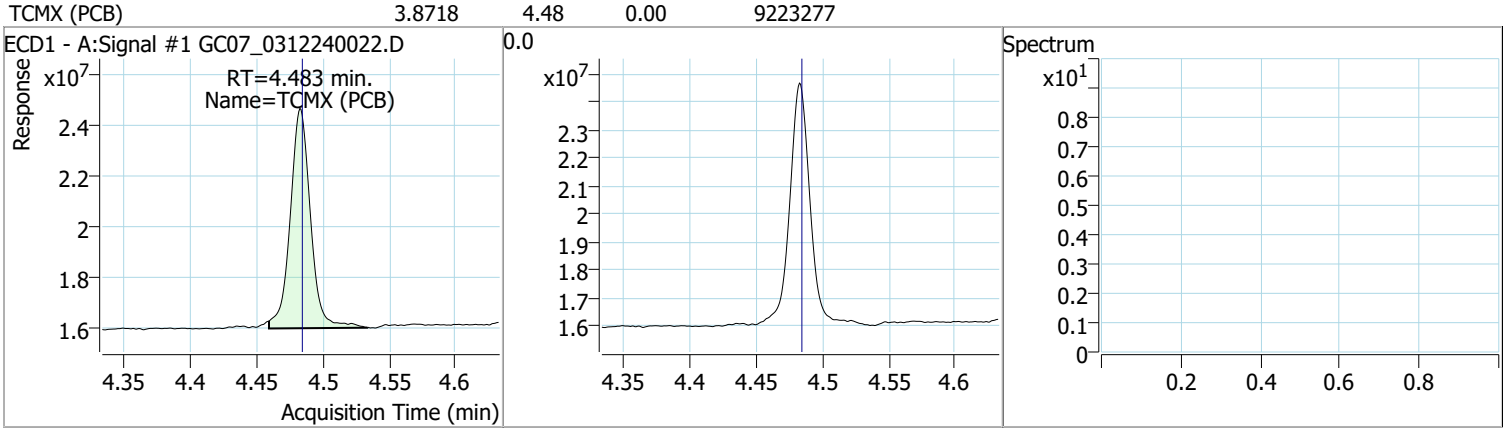


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.715	0.0	46949221.632	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.965	0.0	8183621.201	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.483	0.0	9223276.804	3.8718	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 19.36%		*	
S TCMX (PCB) #2	4.829	0.0	1723196.398	4.1867	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.93%		*	
S Decachlorobiphenyl (PCB)	11.188	0.0	12608579.566	4.1775	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.89%		*	
S Decachlorobiphenyl (PCB) #2	12.283	0.0	1885173.625	4.1840	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 20.92%		*	
Target Compounds							QValue

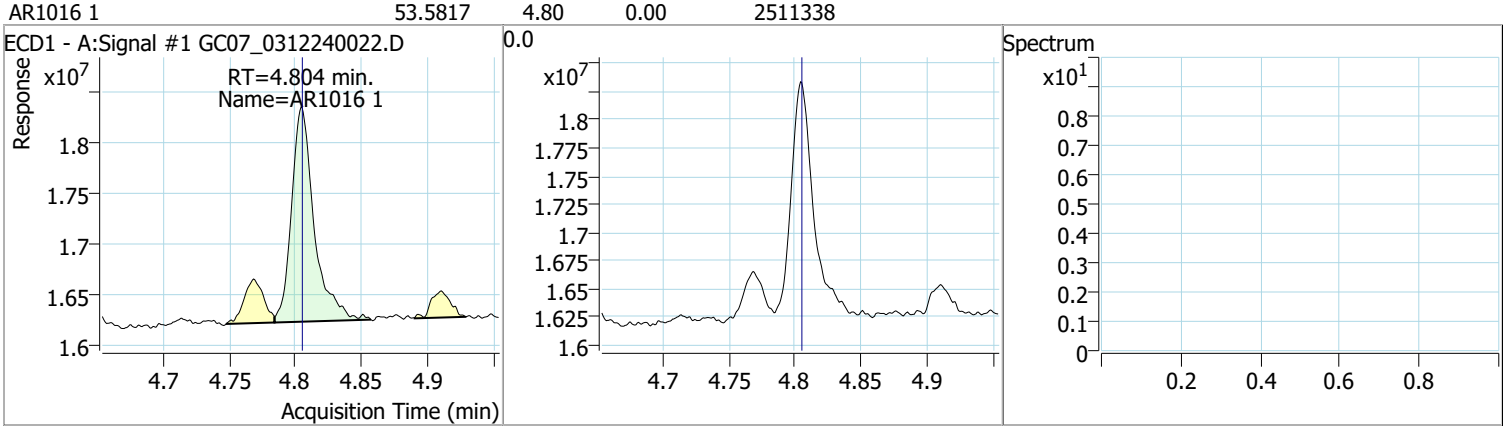
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.804	0.0	2511337.686	53.5817	ng/ml		100
T AR1016 2	5.103	0.0	4681214.610	53.9187	ng/ml		100
T AR1016 1 #2	5.272	0.0	490703.624	56.1236	ng/ml		100
T AR1016 3	5.505	0.0	5988425.221	49.7584	ng/ml	m	100
T AR1016 4	5.623	0.0	4161557.377	51.8351	ng/ml		100
T AR1016 2 #2	5.642	0.0	995932.271	54.8049	ng/ml		100
T AR1016 5	6.002	0.0	3576372.365	52.7690	ng/ml		100
T AR1016 3 #2	6.090	0.0	1288313.677	54.5817	ng/ml	m	100
T AR1016 4 #2	6.232	0.0	873513.172	55.8779	ng/ml		100
T AR1016 5 #2	6.773	0.0	723424.009	54.4705	ng/ml		100
T AR1260 1	7.453	0.0	7736548.032	54.5383	ng/ml		100
T AR1260 2	7.903	0.0	12048713.937	52.5212	ng/ml		100
T AR1260 3	8.433	0.0	12688207.200	50.3592	ng/ml	m	100
T AR1260 1 #2	8.924	0.0	1721558.278	56.4613	ng/ml		100
T AR1260 4	9.129	0.0	7276702.076	51.5177	ng/ml		100
T AR1260 2 #2	9.281	0.0	1903149.907	57.8106	ng/ml		100
T AR1260 3 #2	9.818	0.0	2267313.524	56.3546	ng/ml		100
T AR1260 5	9.985	0.0	8474205.704	50.0433	ng/ml		100
T AR1260 4 #2	10.311	0.0	1401431.484	53.9977	ng/ml		100
T AR1260 5 #2	10.973	0.0	1950687.878	54.2601	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

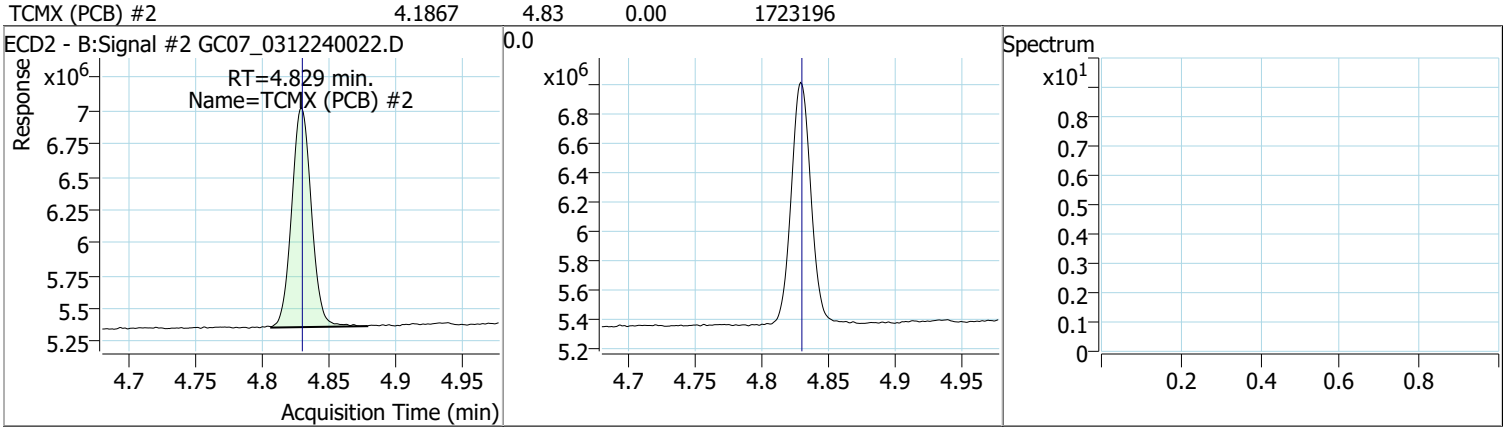
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	3.8718	4.48	0.00	9223277				



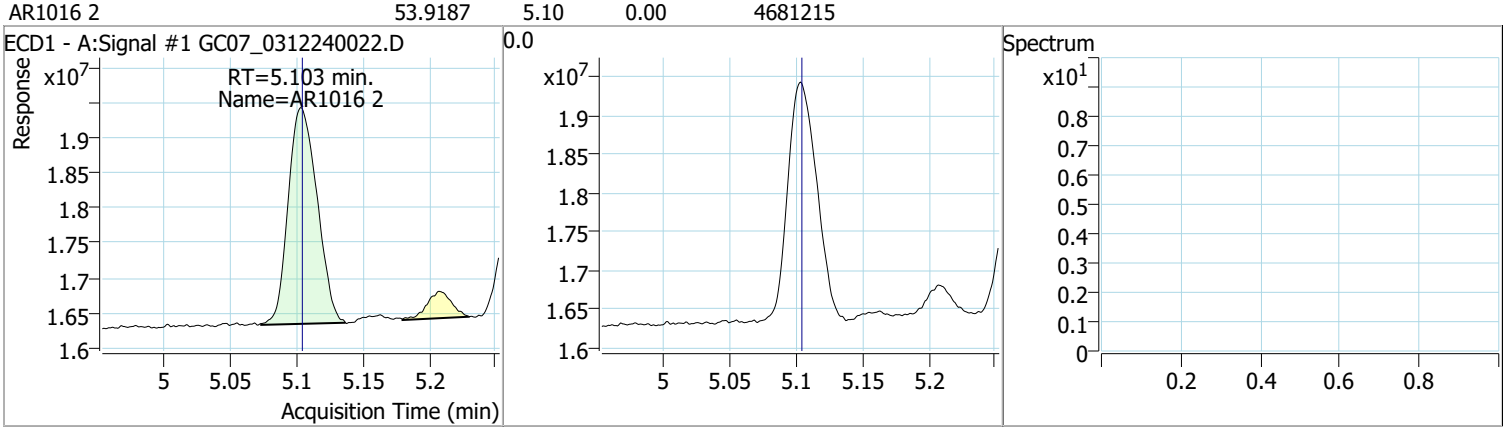
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	53.5817	4.80	0.00	2511338				



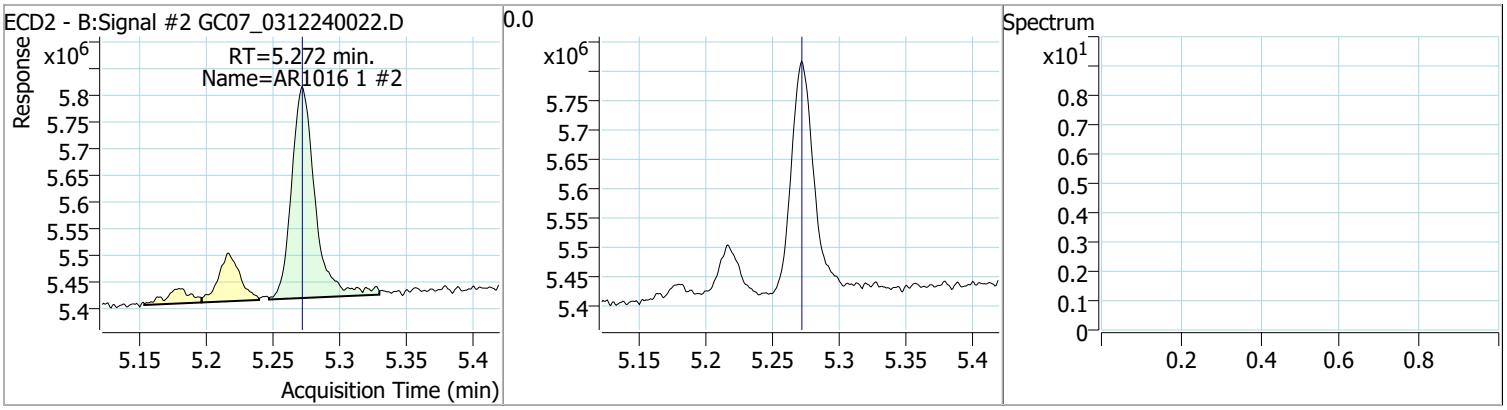
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.1867	4.83	0.00	1723196				



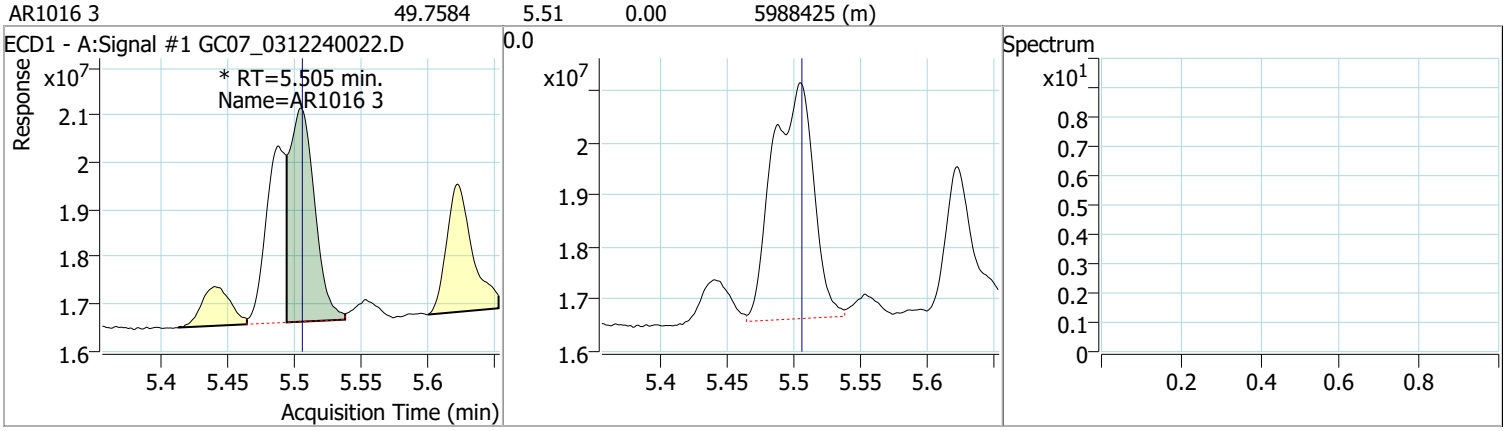
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	53.9187	5.10	0.00	4681215				



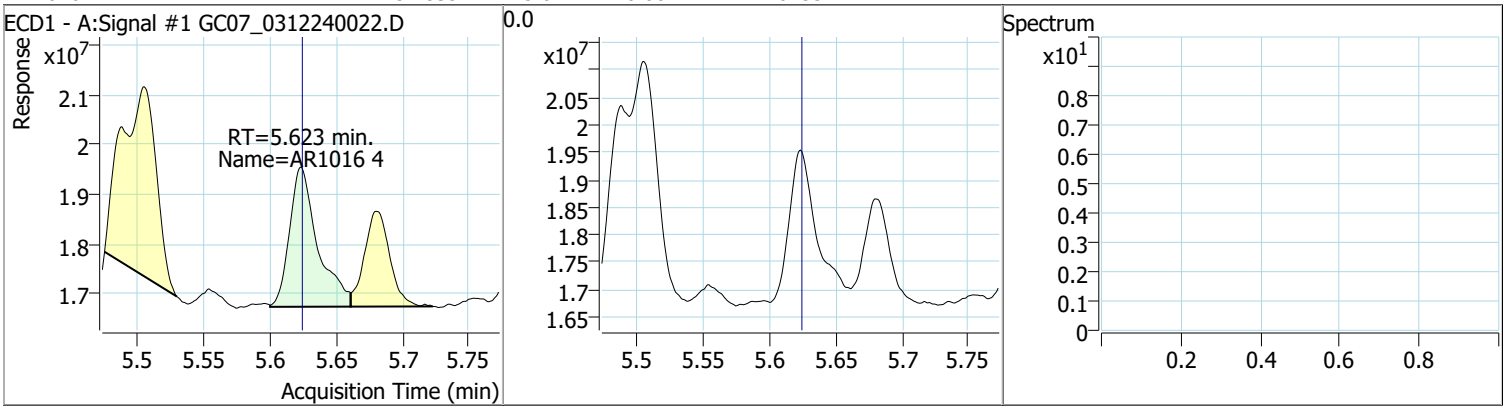
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	56.1236	5.27	0.00	490704				



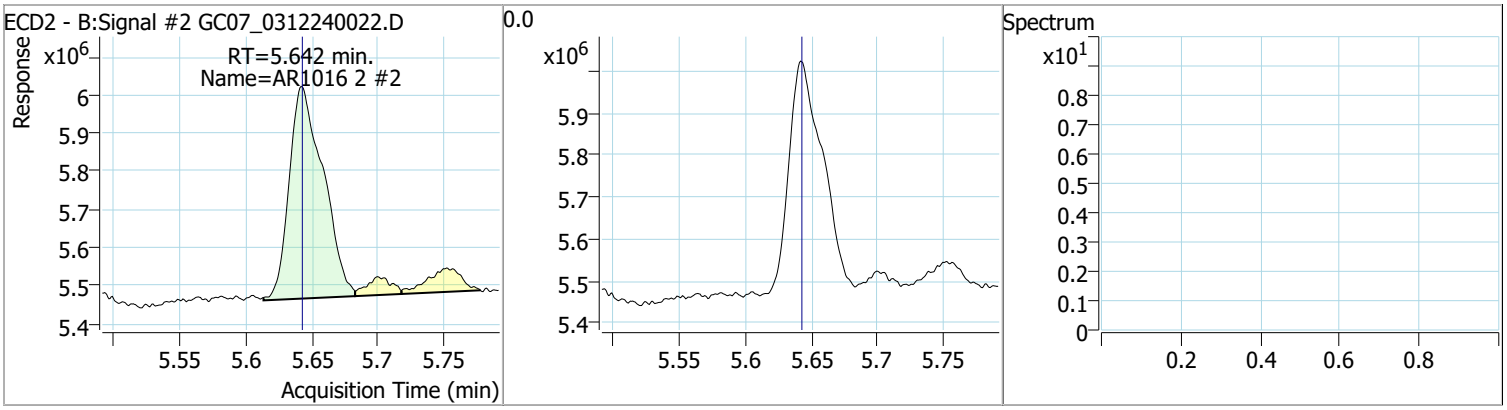
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	49.7584	5.51	0.00	5988425 (m)				



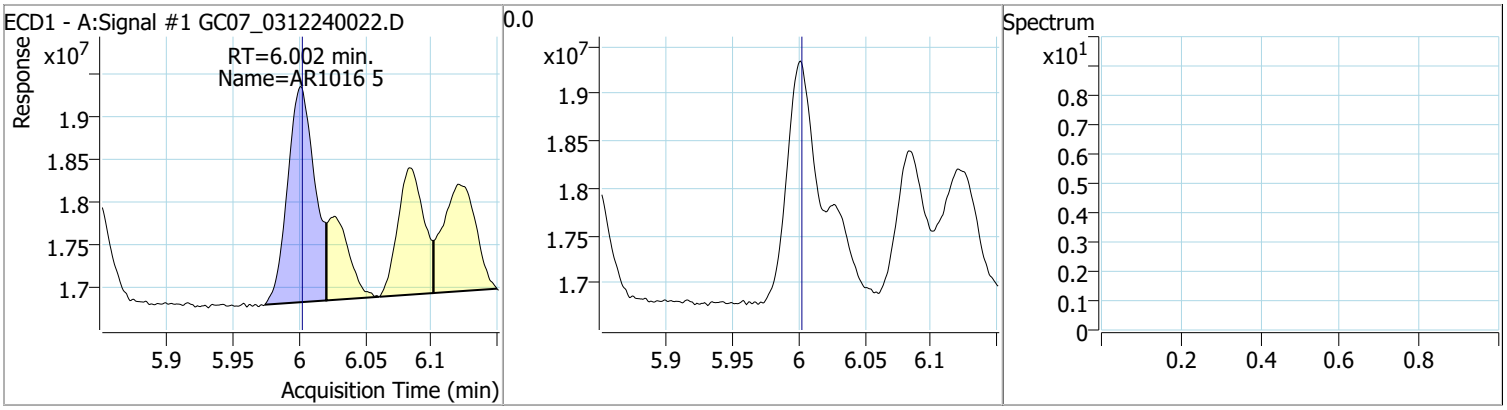
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	51.8351	5.62	0.00	4161557				



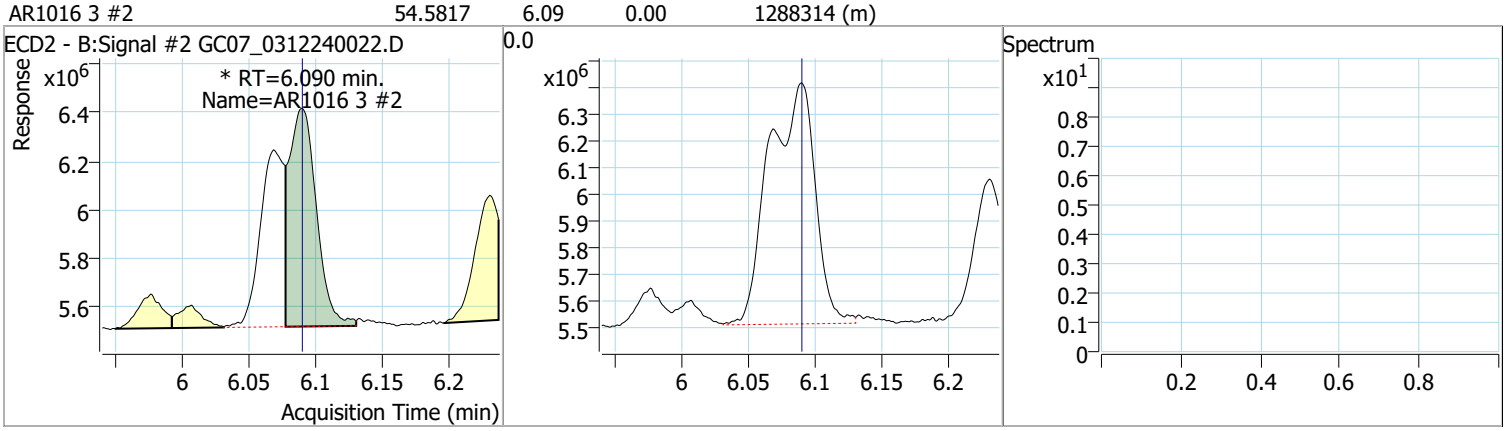
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	54.8049	5.64	0.00	995932				



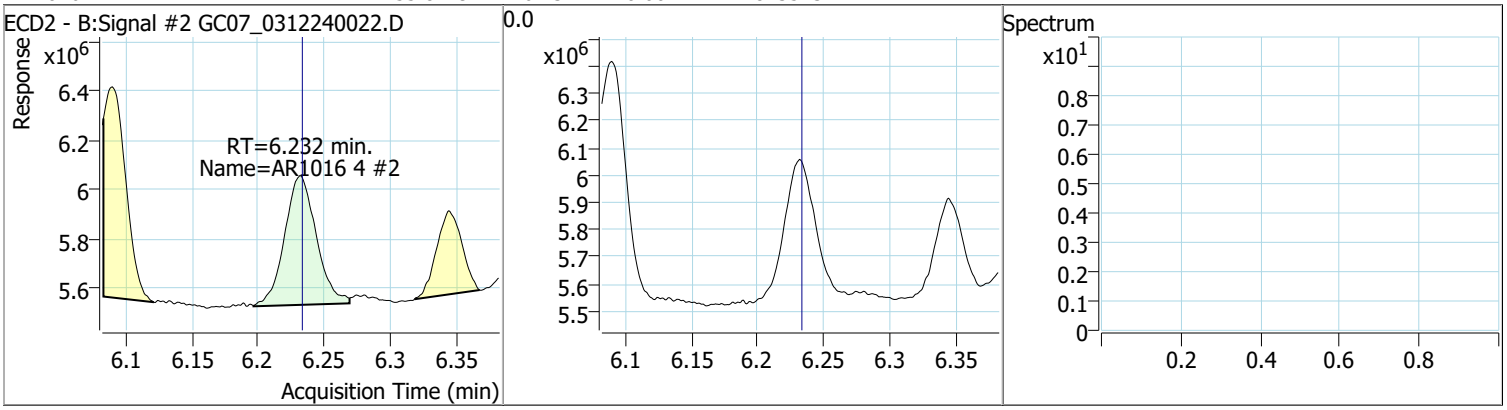
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	52.7690	6.00	0.00	3576372				



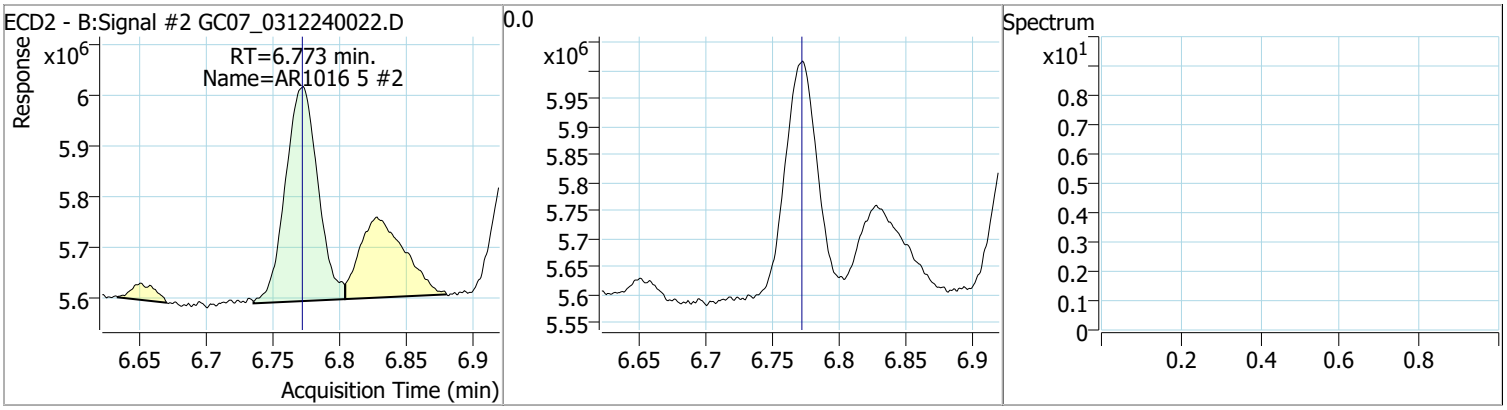
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	54.5817	6.09	0.00	1288314 (m)				



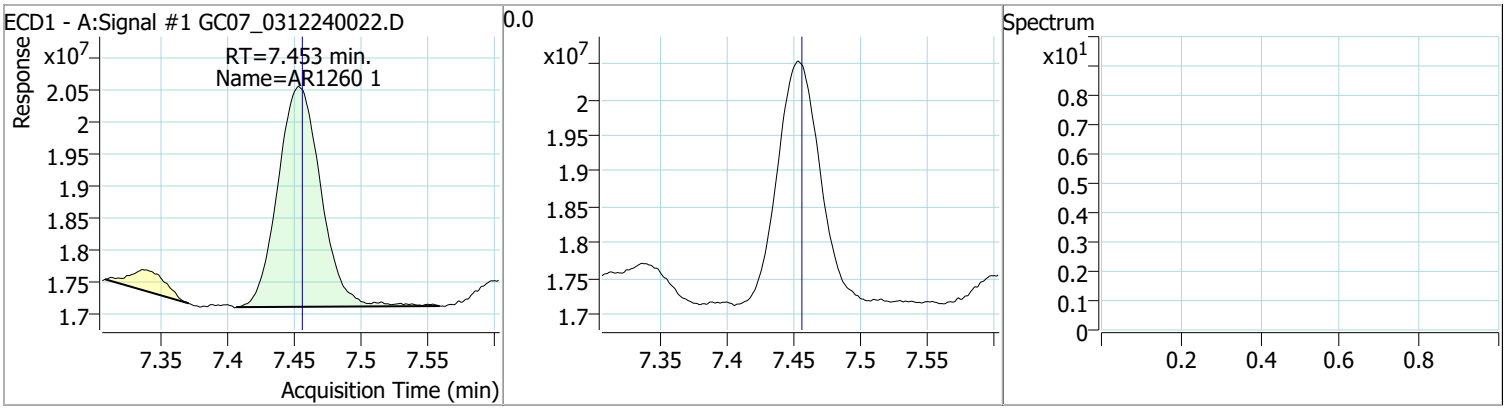
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	55.8779	6.23	0.00	873513				



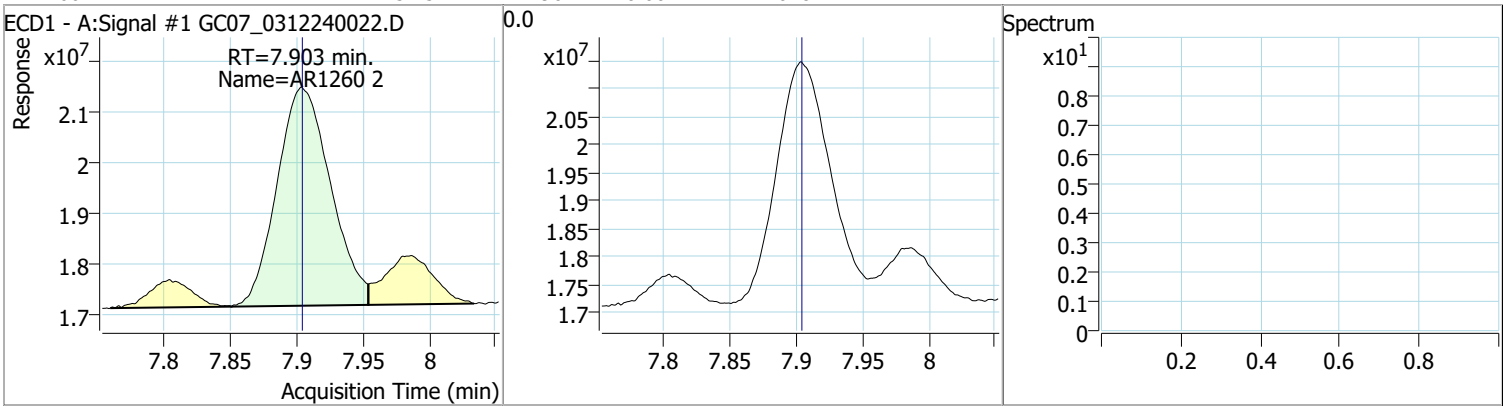
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	54.4705	6.77	0.00	723424				



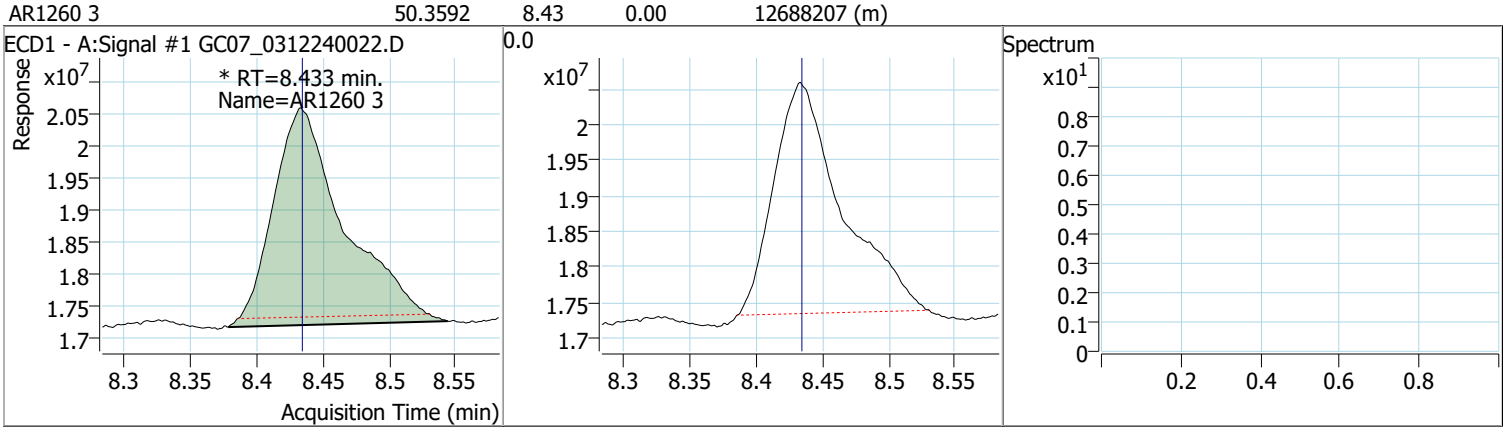
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	54.5383	7.45	0.00	7736548				



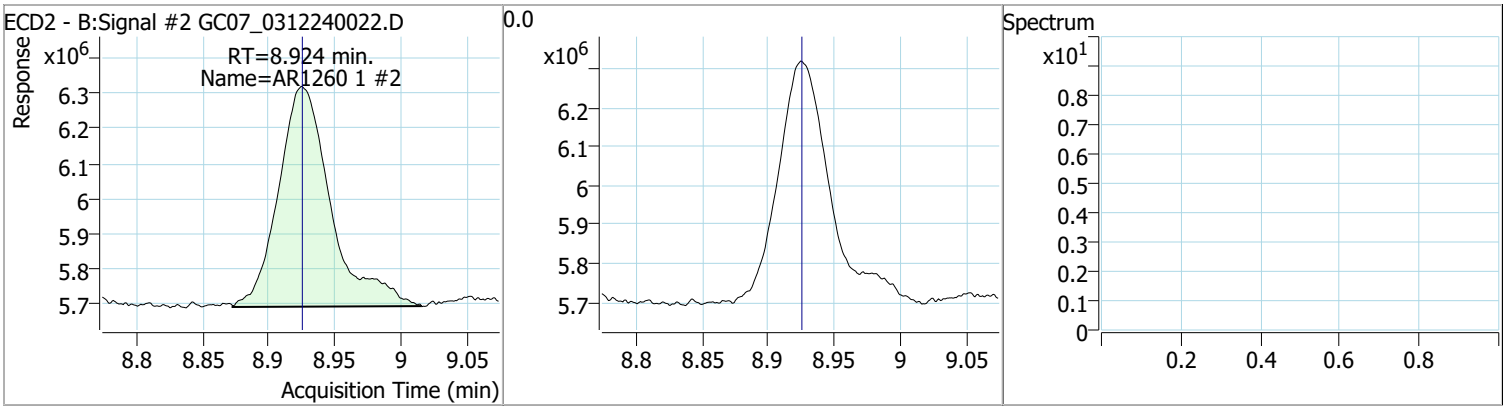
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	52.5212	7.90	0.00	12048714				



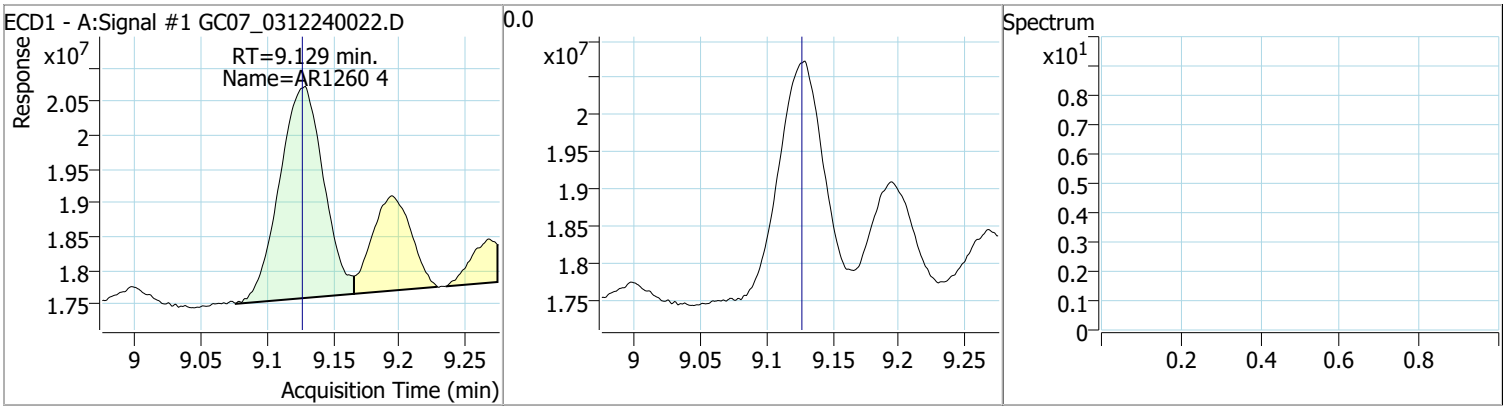
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	50.3592	8.43	0.00	12688207 (m)				



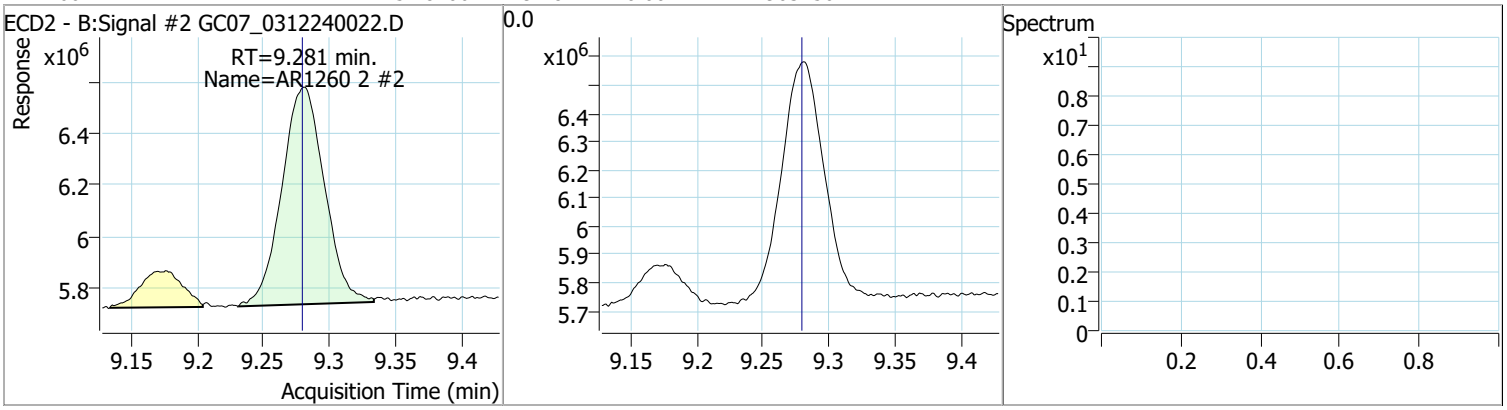
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	56.4613	8.92	0.00	1721558				



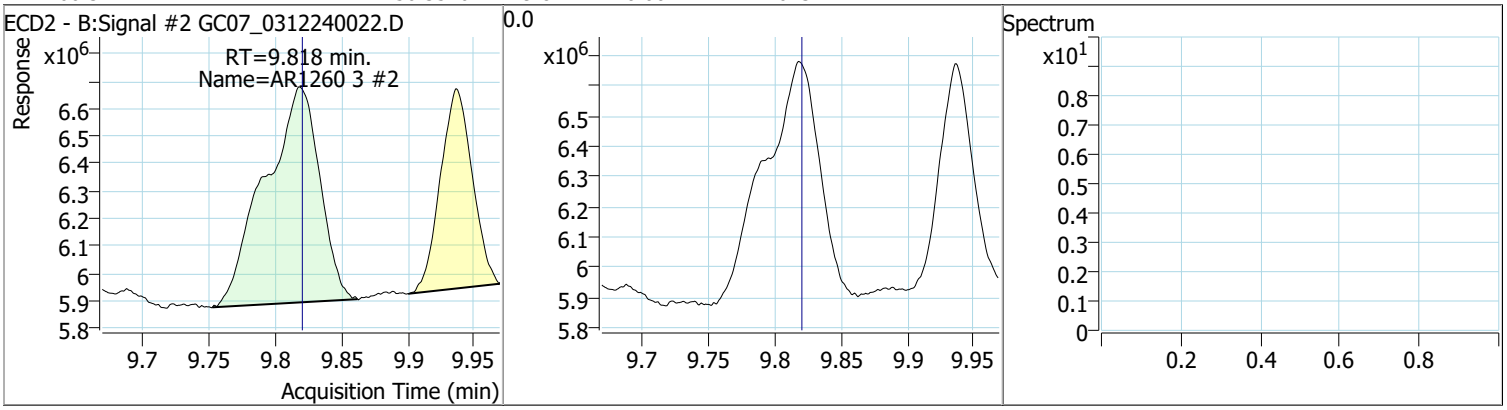
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	51.5177	9.13	0.00	7276702				



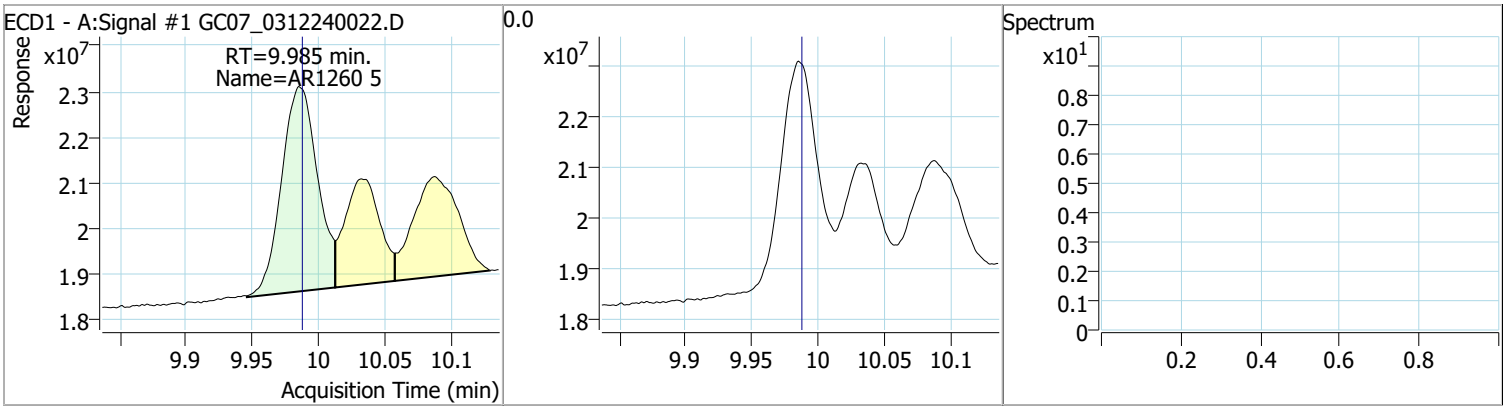
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	57.8106	9.28	0.00	1903150				



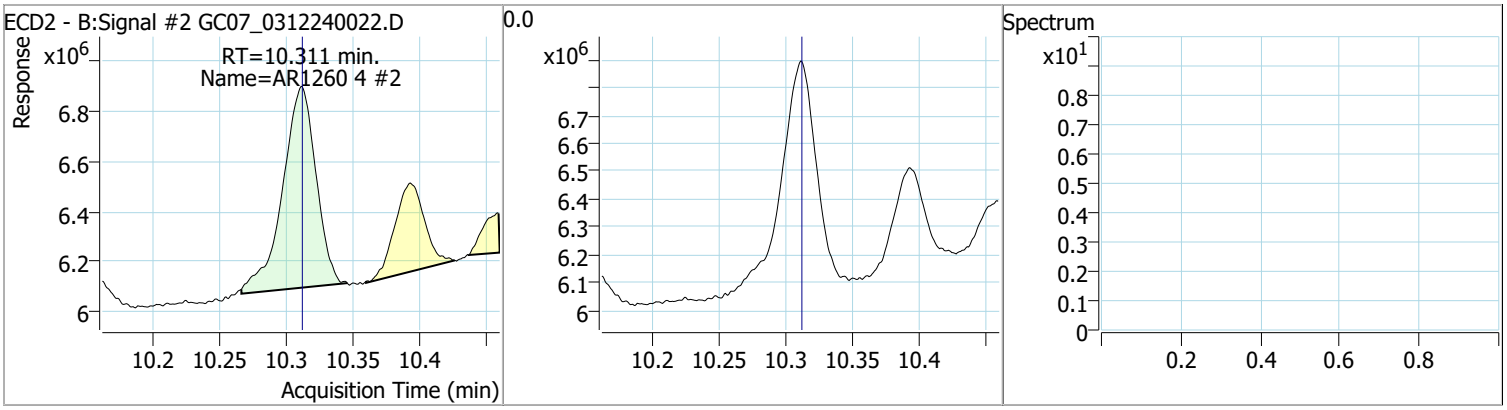
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	56.3546	9.82	0.00	2267314				



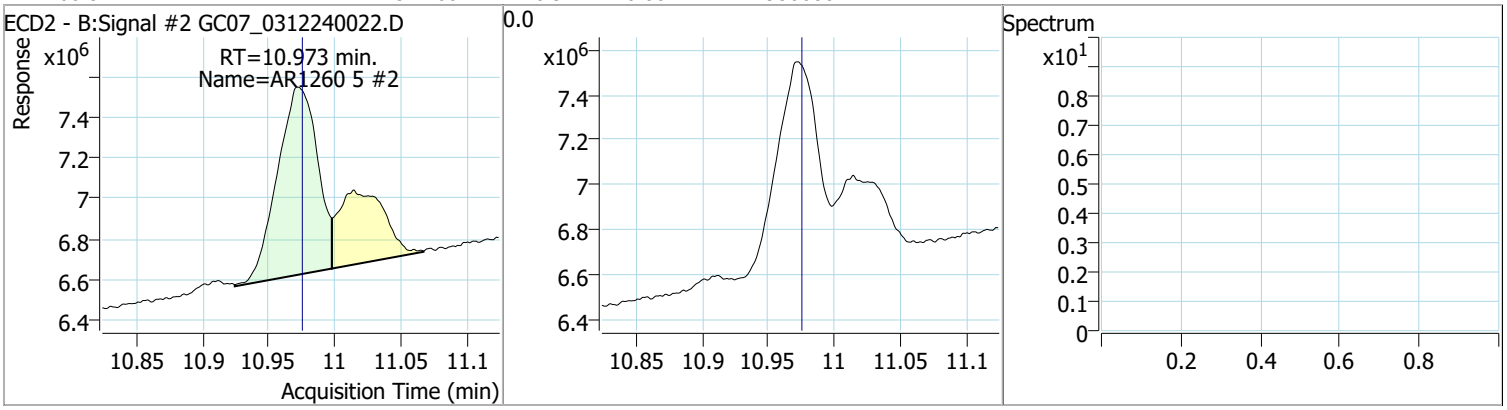
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	50.0433	9.99	0.00	8474206				



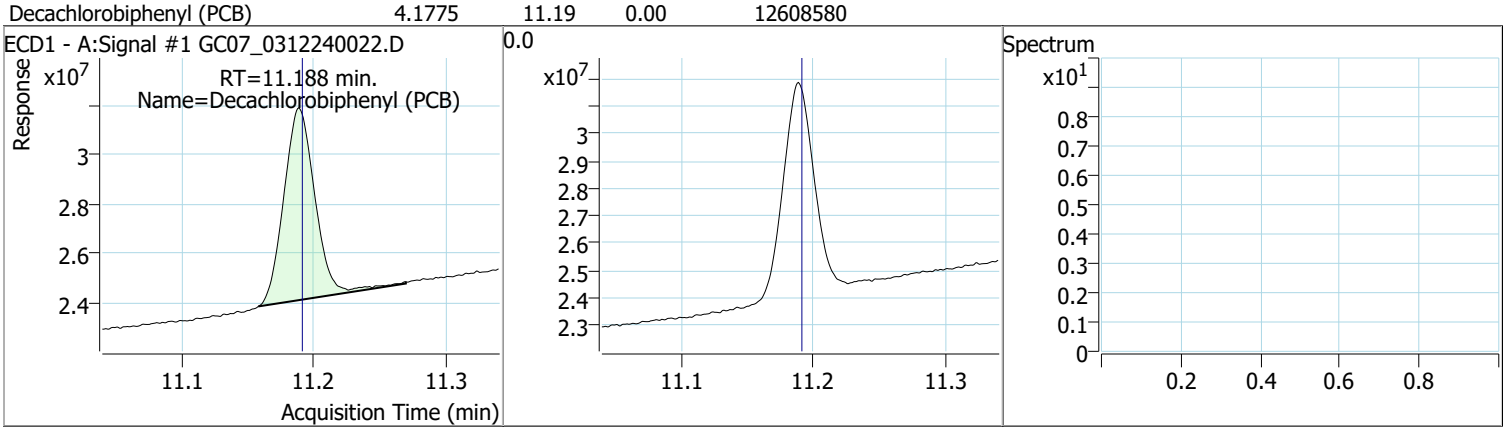
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	53.9977	10.31	0.00	1401431				



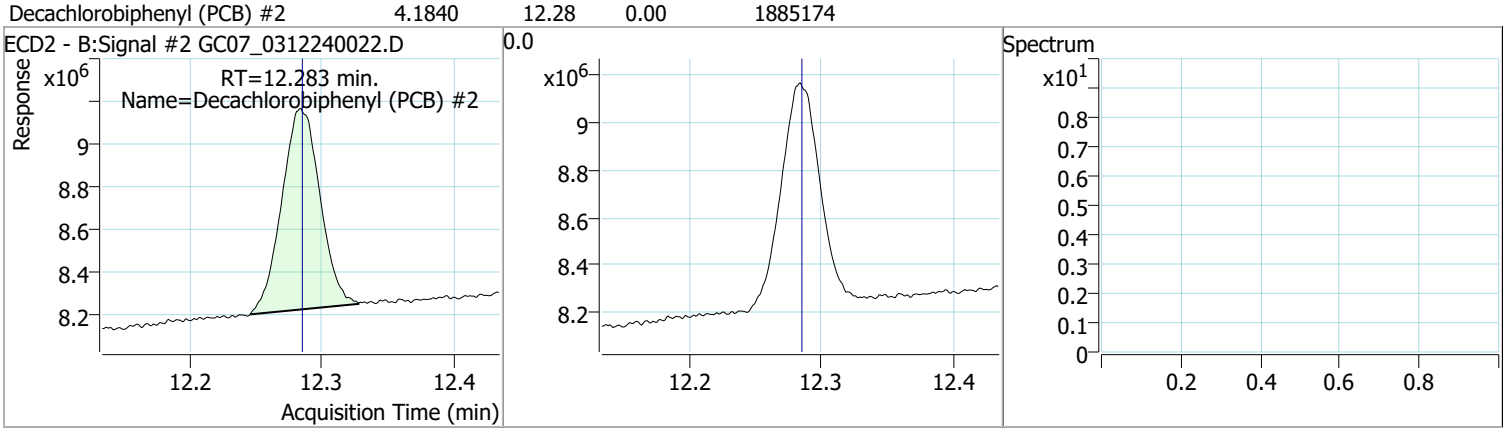
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	54.2601	10.97	0.00	1950688				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.1775	11.19	0.00	12608580				

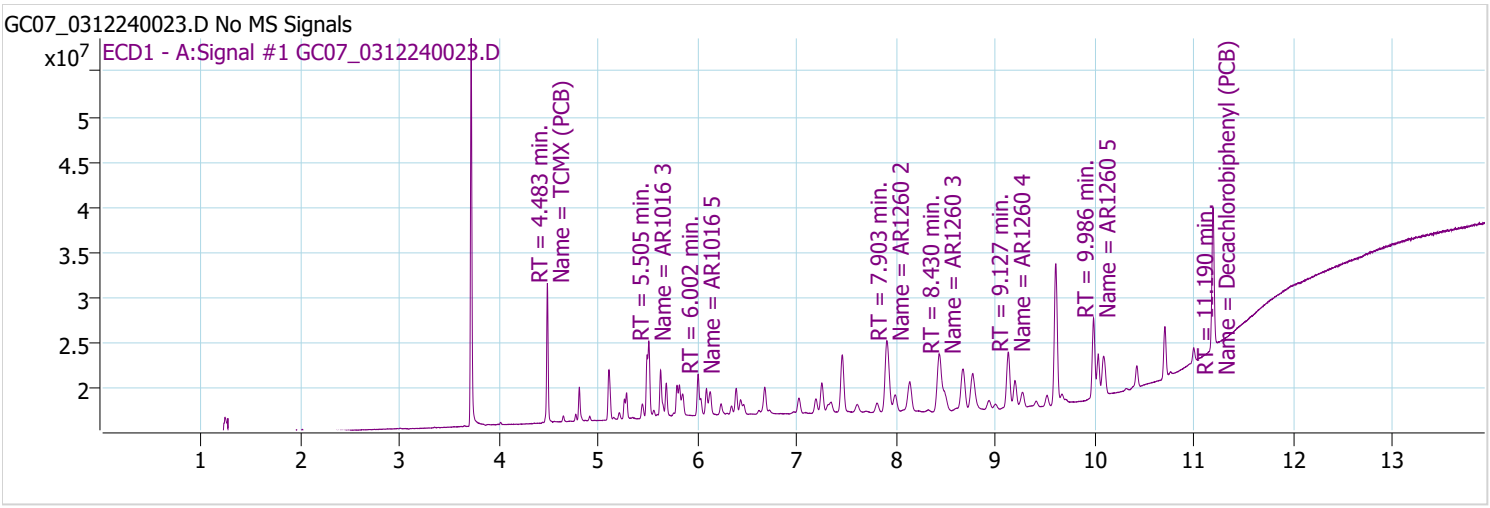


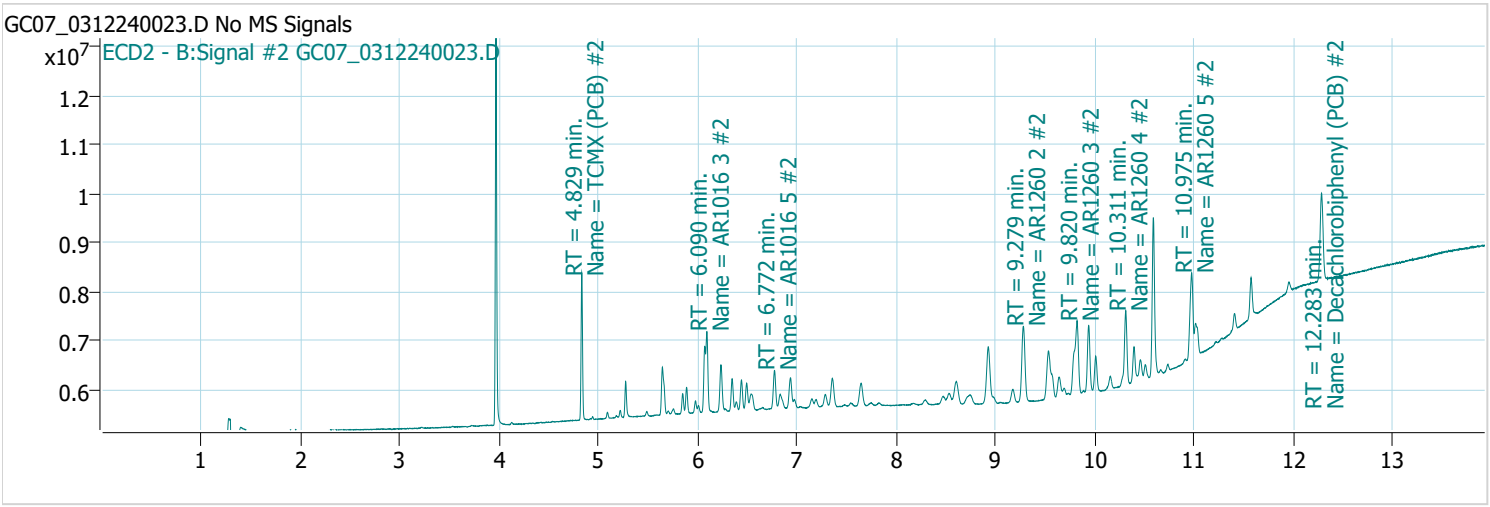
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	4.1840	12.28	0.00	1885174				



Quantitation Results Report (Not Reviewed)

Data File	GC07_0312240023.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/13/2024 4:05:00 AM
Sample Name	ICAL, S19333	Instrument	SVOA-GC07
Vial	14	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_1.m	Comment	100 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	031224PCBICAL.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



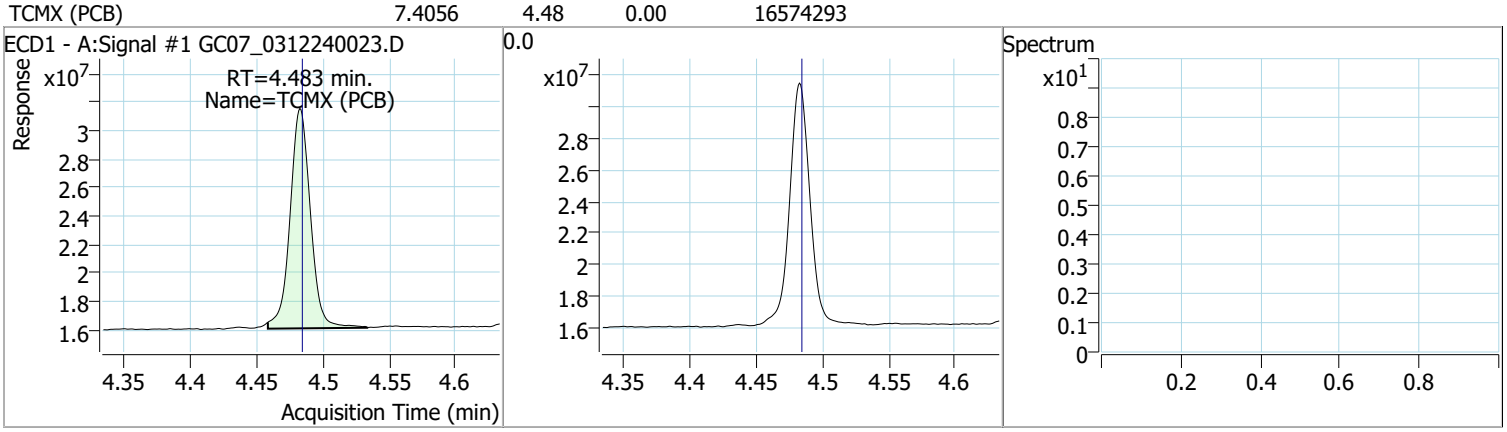


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.715	0.0	44110023.986	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.965	0.0	7769295.835	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.483	0.0	16574293.117	7.4056	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 37.03%		*	
S TCMX (PCB) #2	4.829	0.0	3113899.672	7.9690	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 39.84%		*	
S Decachlorobiphenyl (PCB)	11.190	0.0	25017256.084	8.8223	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 44.11%		*	
S Decachlorobiphenyl (PCB) #2	12.283	0.0	3702820.592	8.6563	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 43.28%		*	
Target Compounds							QValue

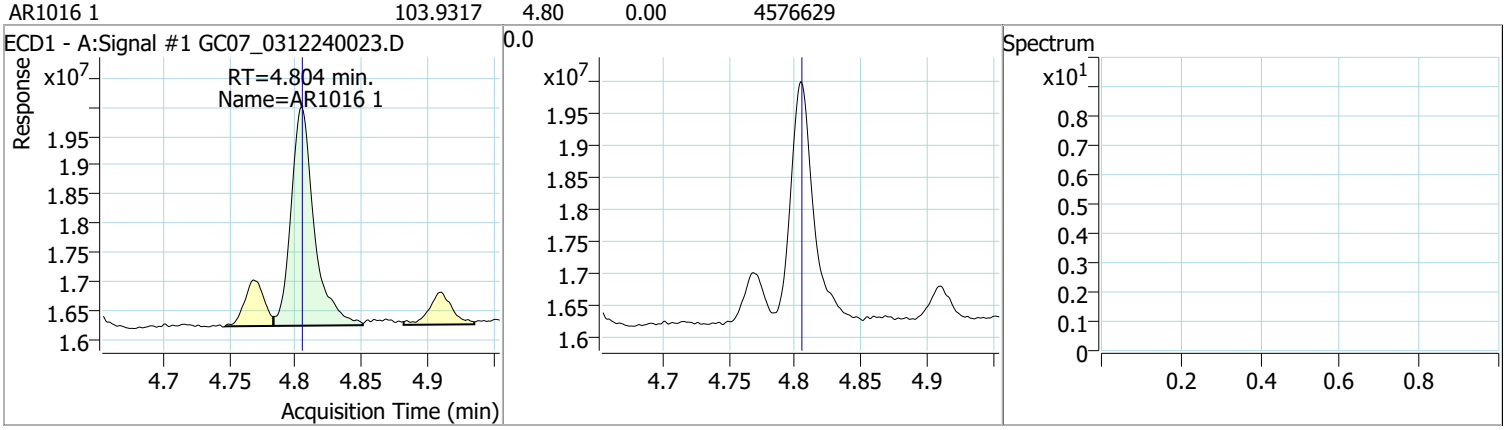
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.804	0.0	4576628.556	103.9317	ng/ml		100
T AR1016 2	5.103	0.0	8520645.328	104.4587	ng/ml		100
T AR1016 1 #2	5.272	0.0	868759.088	104.6622	ng/ml		100
T AR1016 3	5.505	0.0	11240808.378	99.4127	ng/ml	m	100
T AR1016 4	5.623	0.0	7735677.656	102.5552	ng/ml		100
T AR1016 2 #2	5.642	0.0	1814824.166	105.1932	ng/ml		100
T AR1016 5	6.002	0.0	6559162.670	103.0092	ng/ml	m	100
T AR1016 3 #2	6.090	0.0	2298027.608	102.5522	ng/ml		100
T AR1016 4 #2	6.232	0.0	1561996.232	105.2482	ng/ml		100
T AR1016 5 #2	6.772	0.0	1332304.541	105.6662	ng/ml		100
T AR1260 1	7.454	0.0	14173203.919	106.3441	ng/ml		100
T AR1260 2	7.903	0.0	22697035.545	105.3063	ng/ml		100
T AR1260 3	8.430	0.0	24596863.850	103.9081	ng/ml	m	100
T AR1260 1 #2	8.925	0.0	3146501.348	108.6978	ng/ml		100
T AR1260 4	9.127	0.0	13874910.349	104.5546	ng/ml		100
T AR1260 2 #2	9.279	0.0	3550366.351	113.5981	ng/ml		100
T AR1260 3 #2	9.820	0.0	4259863.431	111.5262	ng/ml		100
T AR1260 5	9.986	0.0	16293750.675	102.4139	ng/ml		100
T AR1260 4 #2	10.311	0.0	2684287.550	108.9422	ng/ml	m	100
T AR1260 5 #2	10.975	0.0	3713036.485	108.7892	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

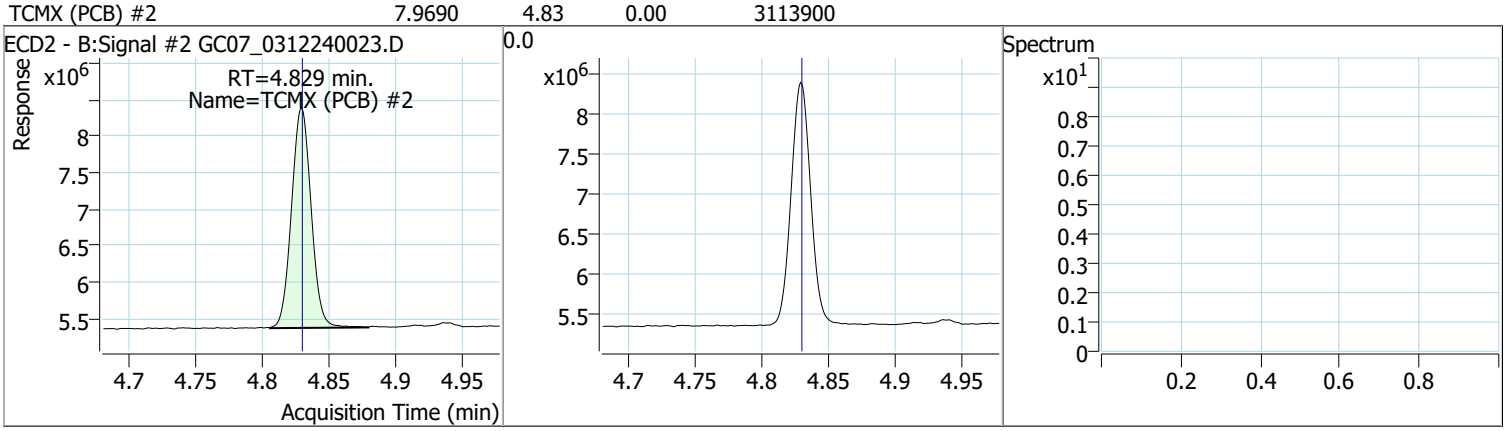
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	7.4056	4.48	0.00	16574293				



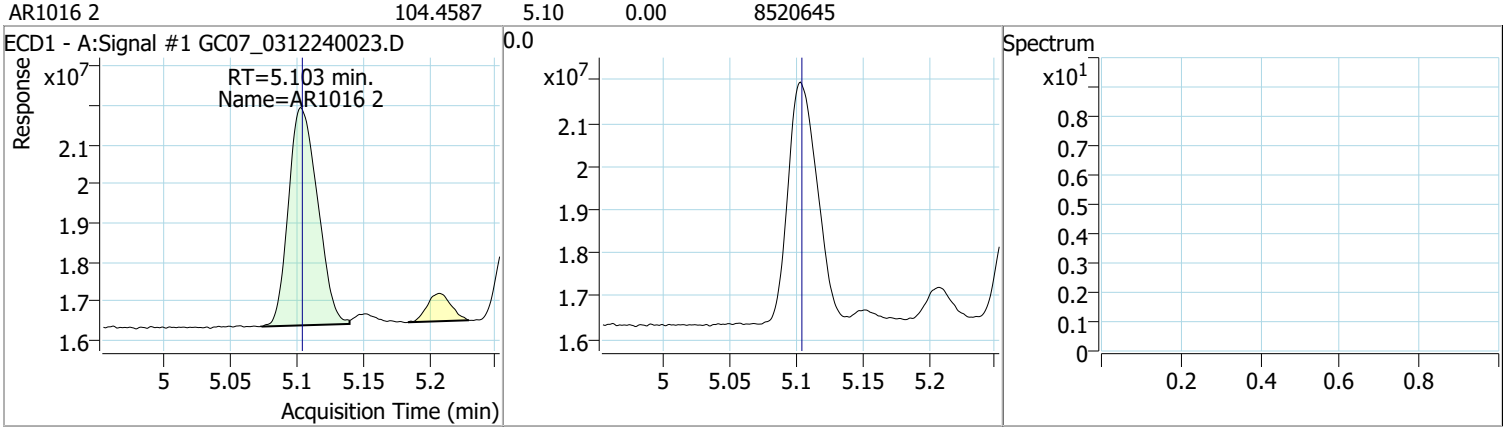
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	103.9317	4.80	0.00	4576629				



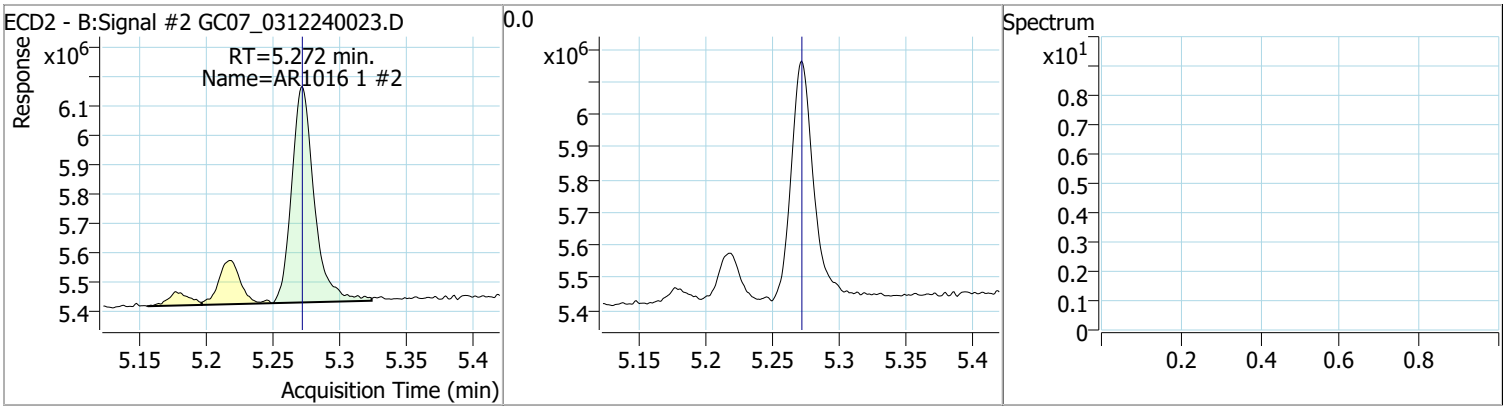
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	7.9690	4.83	0.00	3113900				



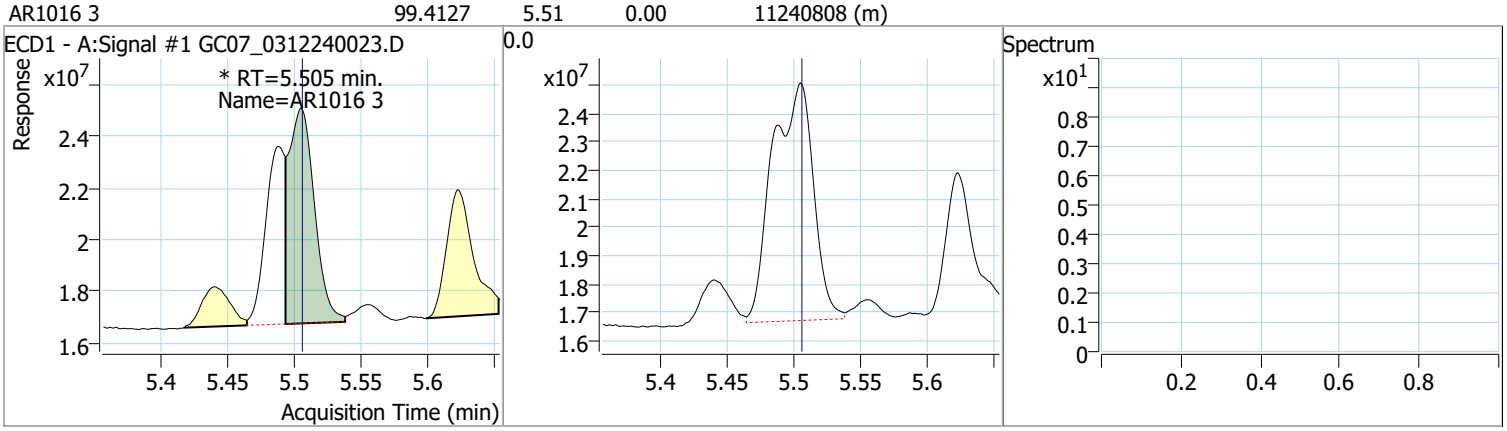
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	104.4587	5.10	0.00	8520645				



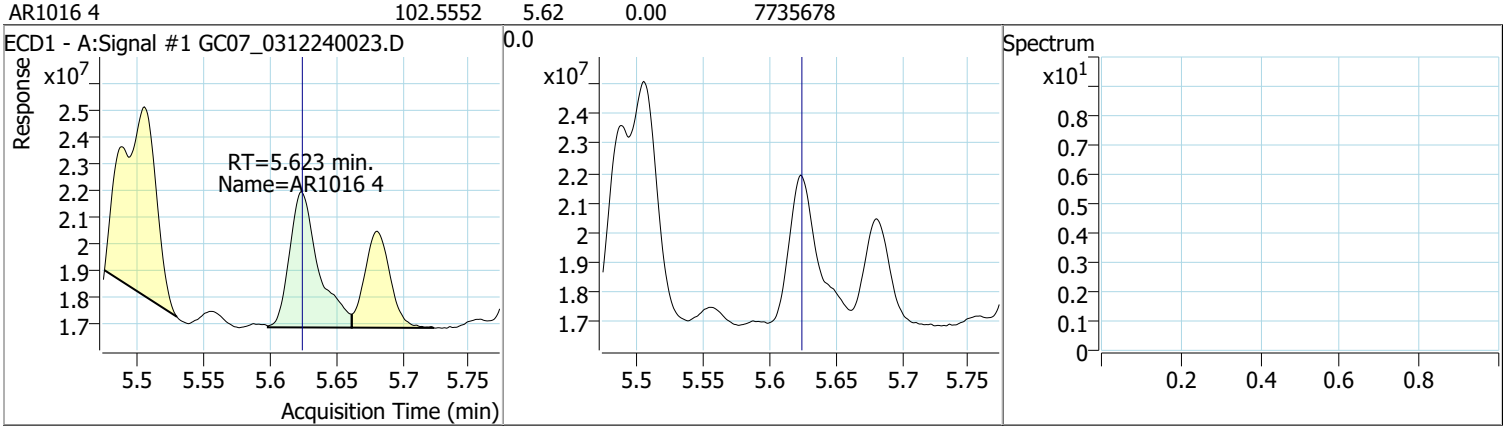
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	104.6622	5.27	0.00	868759				



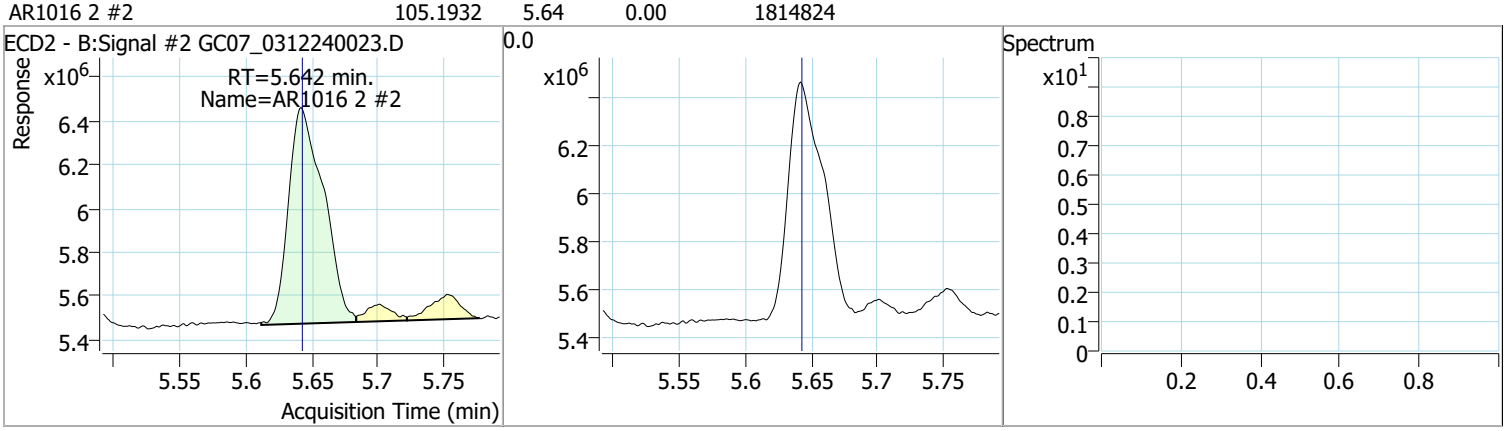
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	99.4127	5.51	0.00	11240808 (m)				



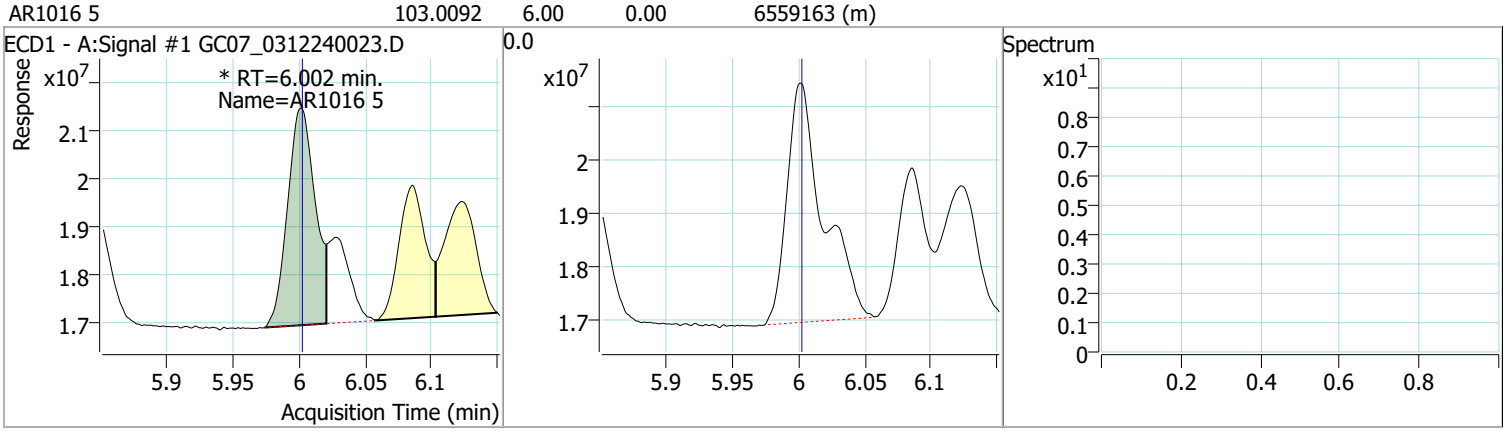
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	102.5552	5.62	0.00	7735678				



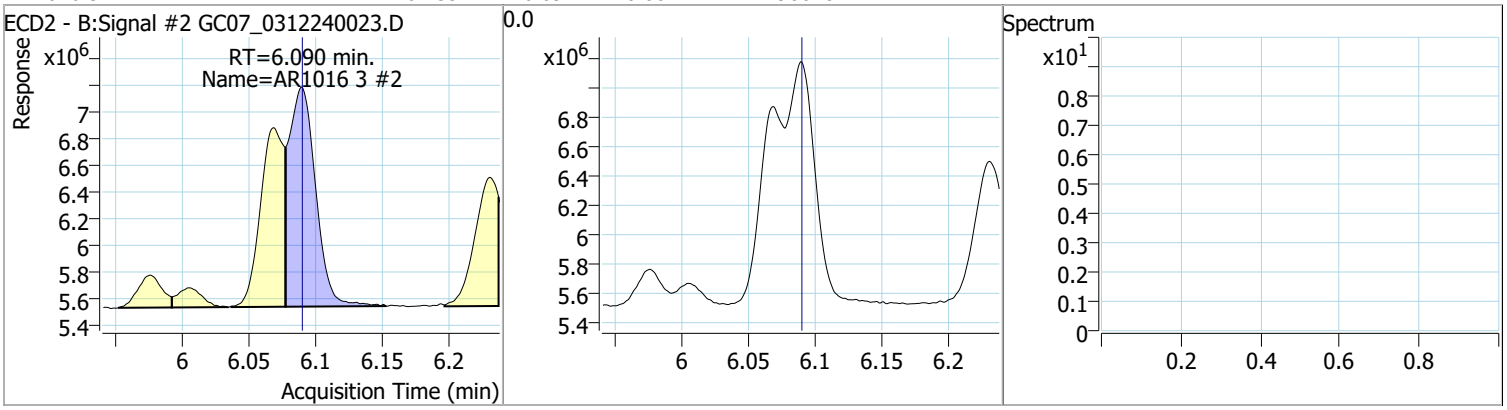
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	105.1932	5.64	0.00	1814824				



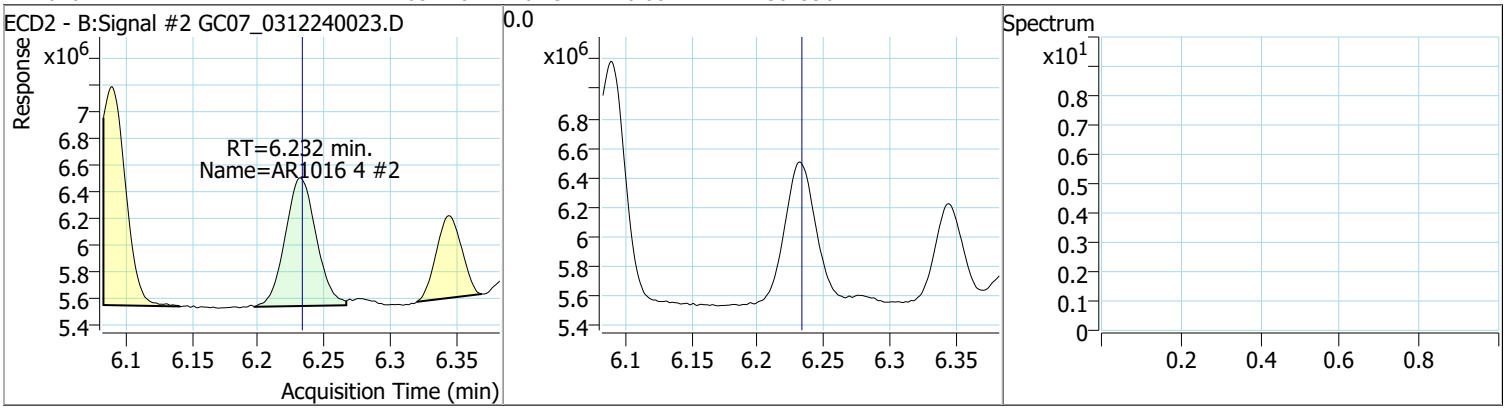
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	103.0092	6.00	0.00	6559163 (m)				



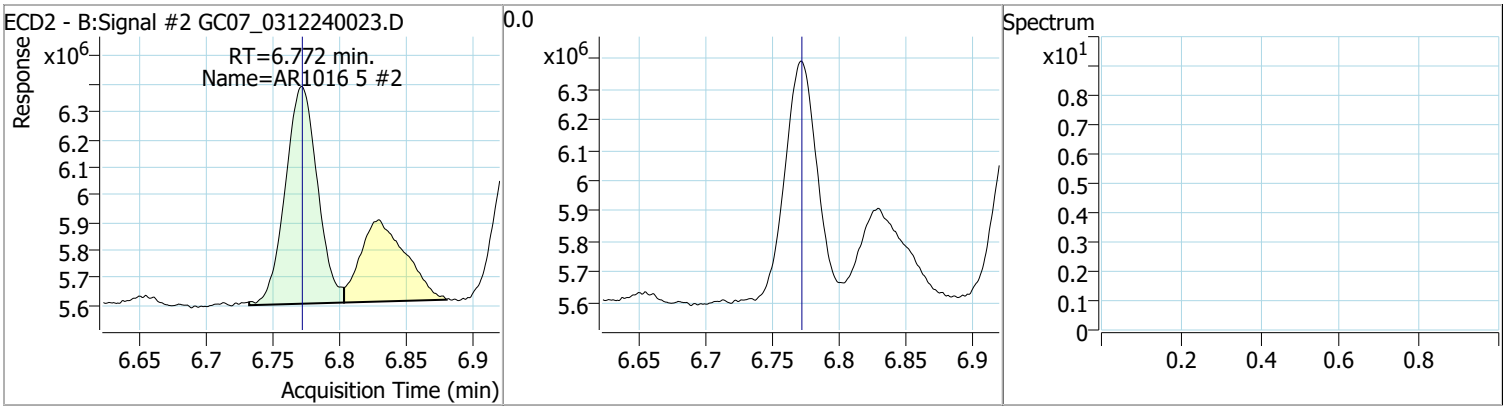
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	102.5522	6.09	0.00	2298028				



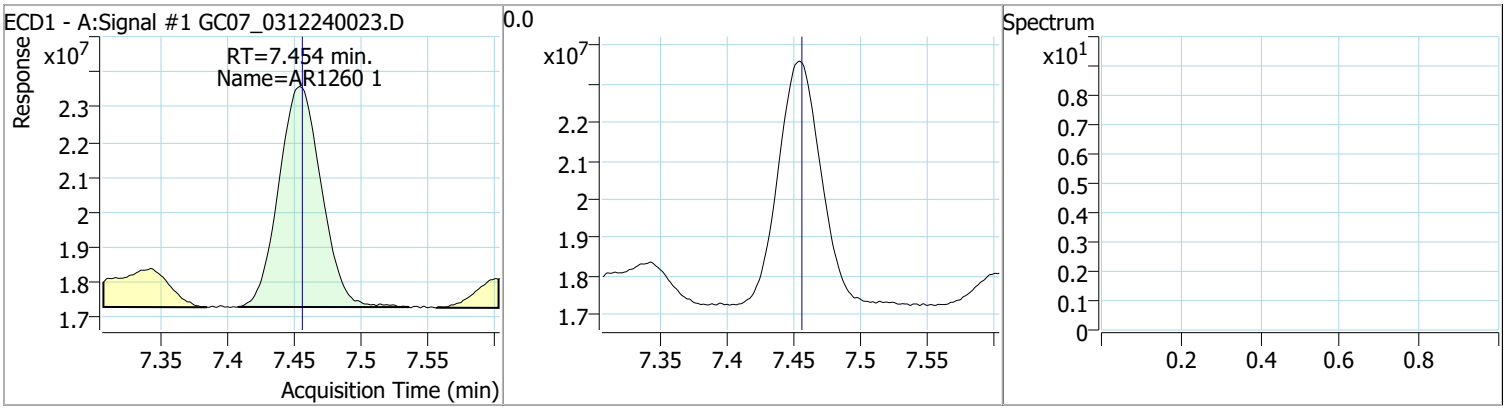
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AR1016 4 #2	105.2482	6.23	0.00	1561996				



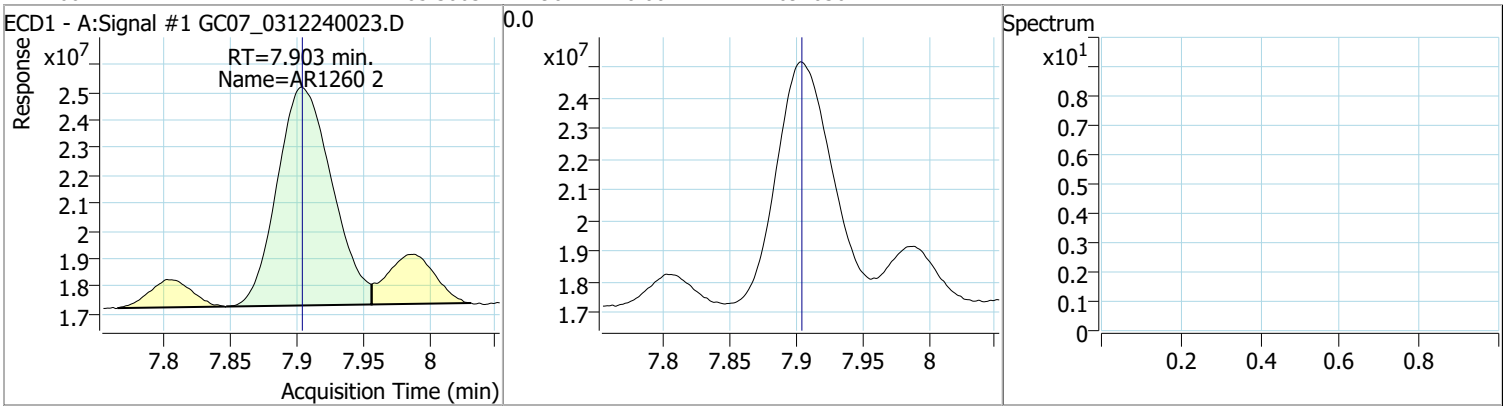
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	105.6662	6.77	0.00	1332305				



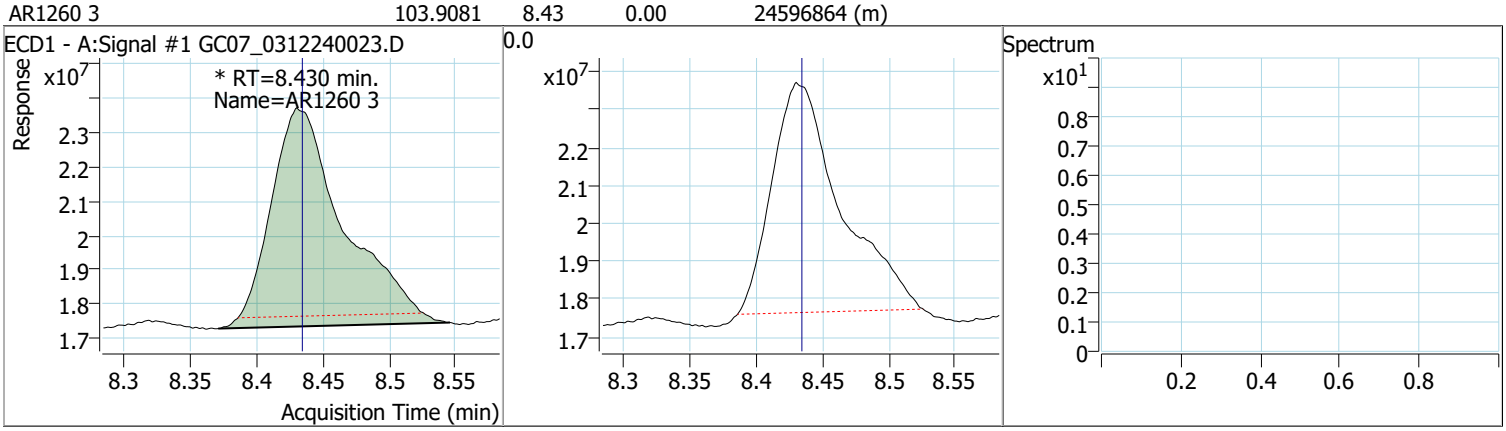
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	106.3441	7.45	0.00	14173204				



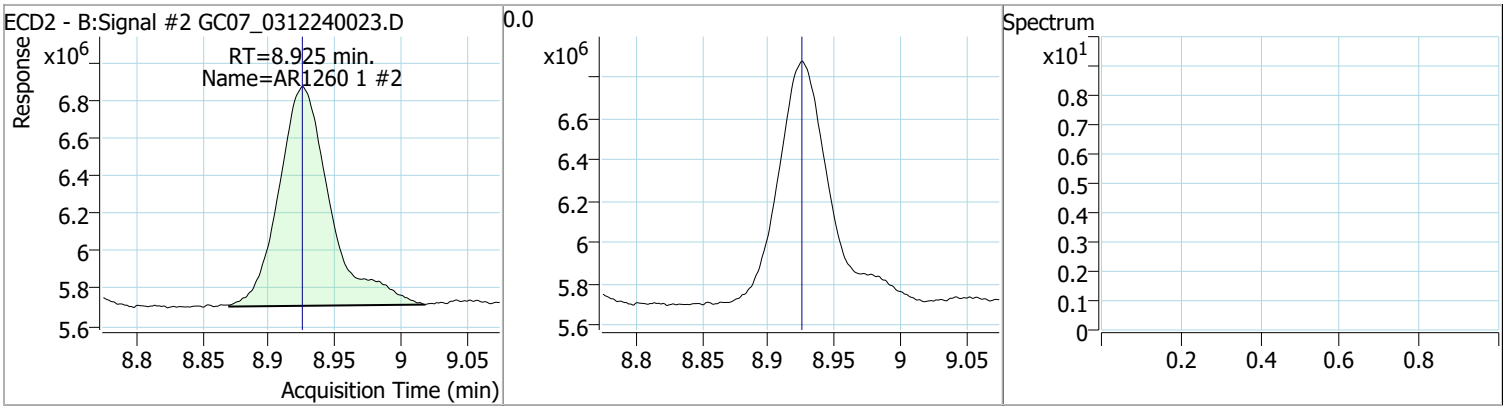
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	105.3063	7.90	0.00	22697036				



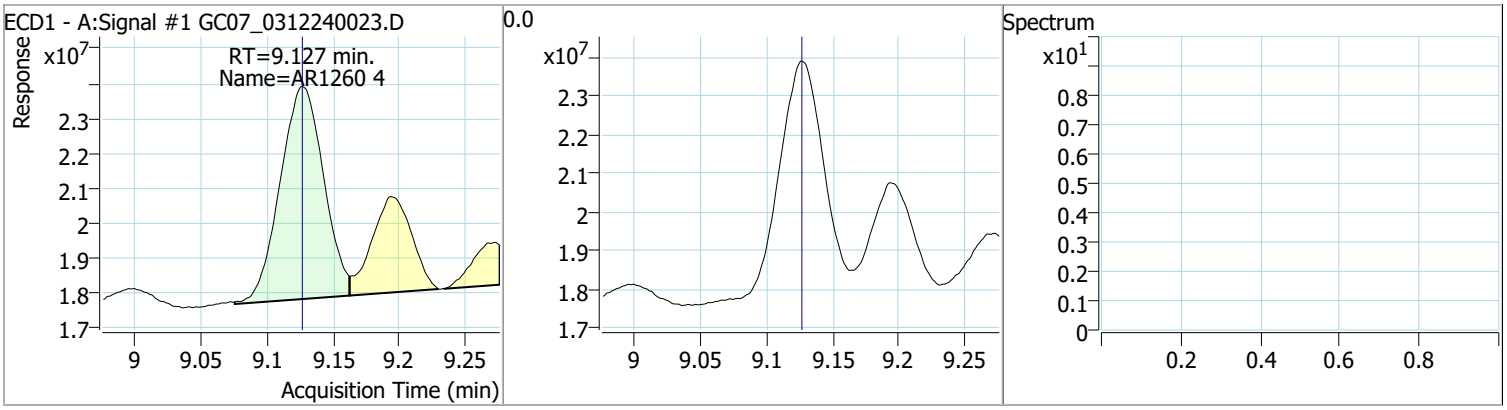
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	103.9081	8.43	0.00	24596864 (m)				



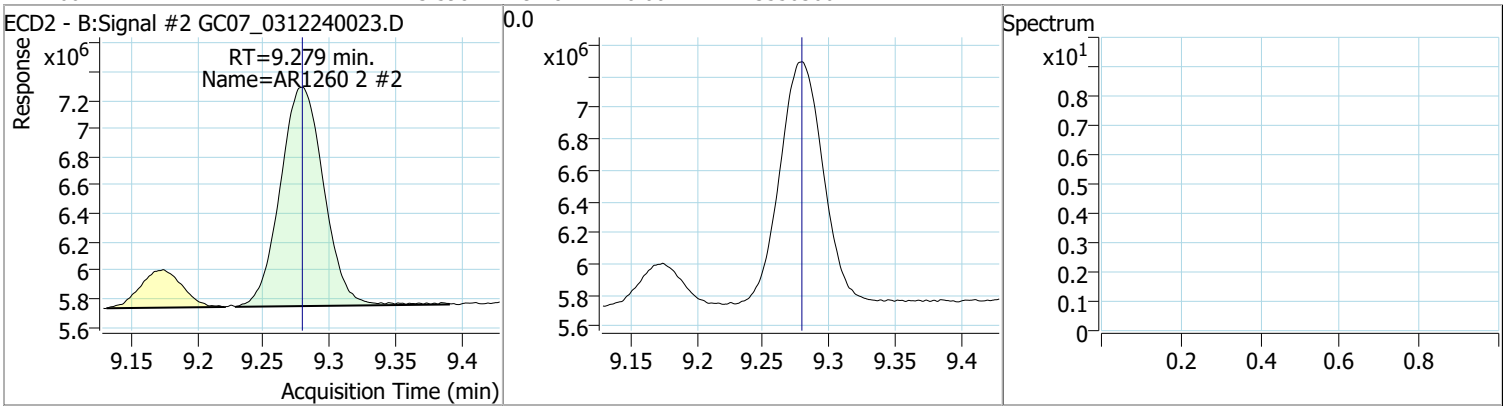
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	108.6978	8.93	0.00	3146501				



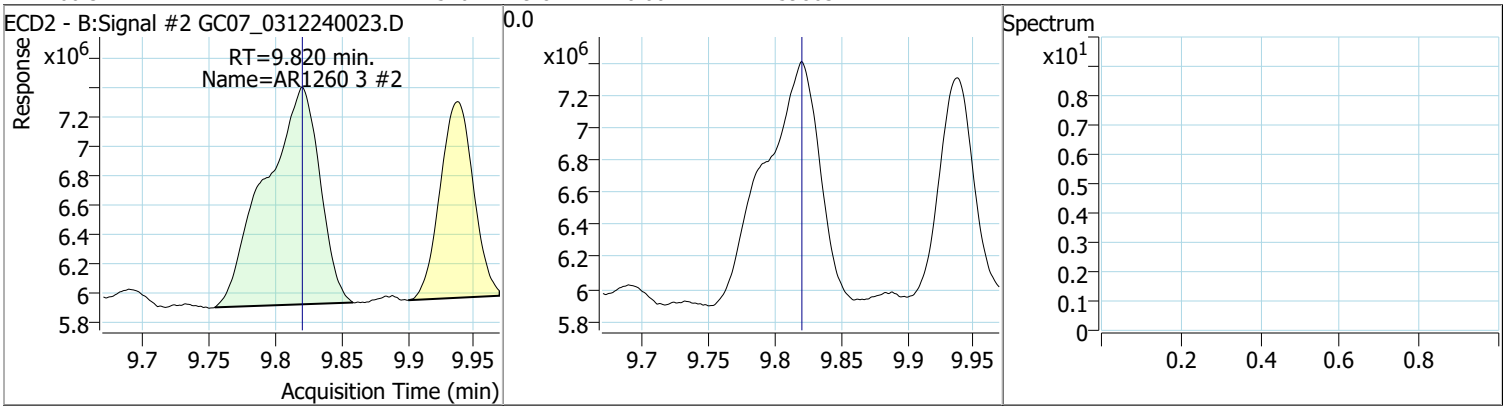
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	104.5546	9.13	0.00	13874910				



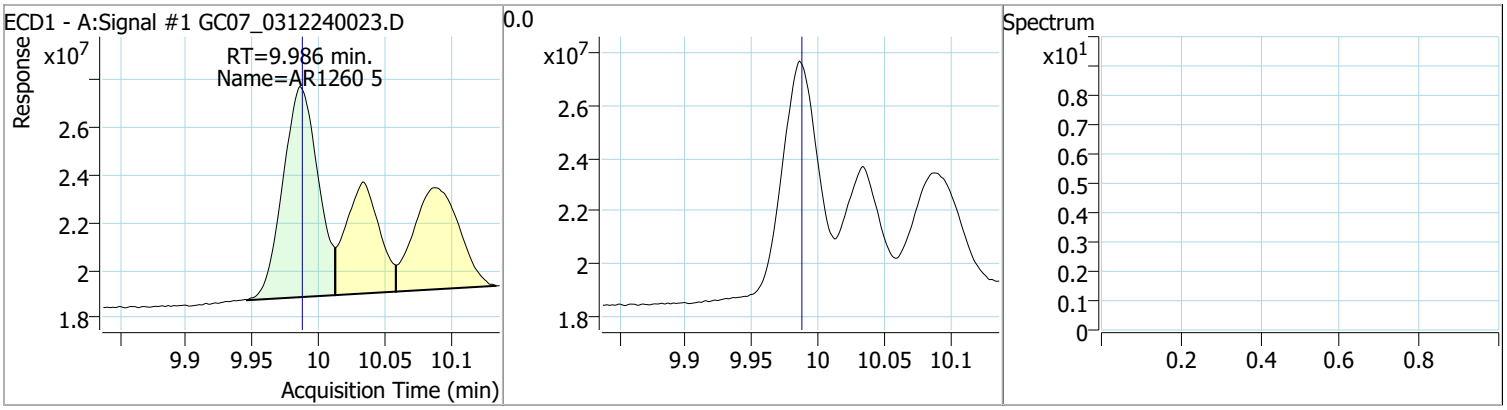
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	113.5981	9.28	0.00	3550366				



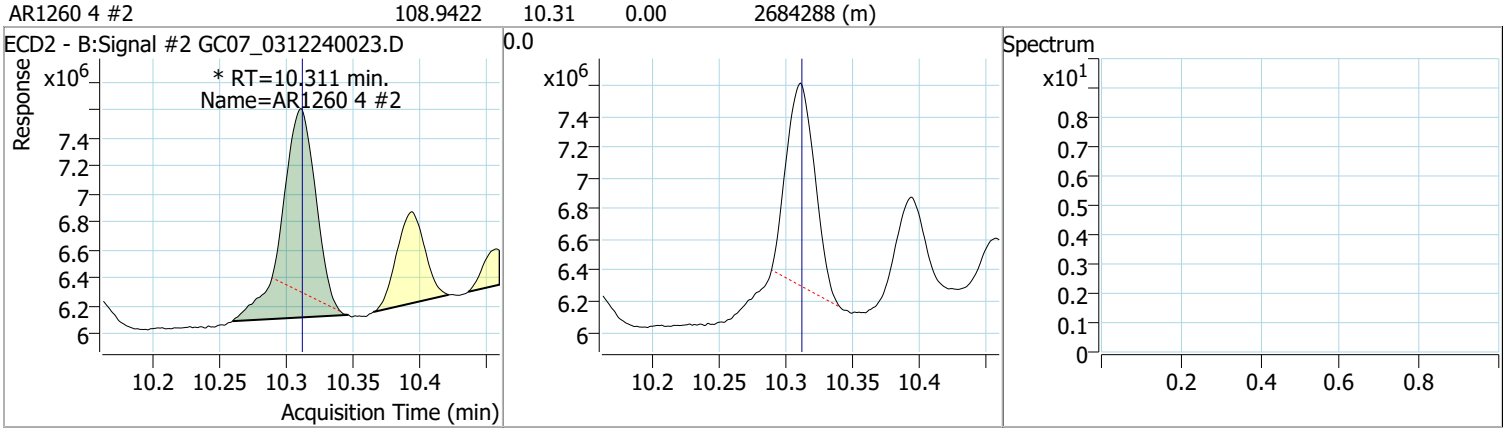
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	111.5262	9.82	0.00	4259863				



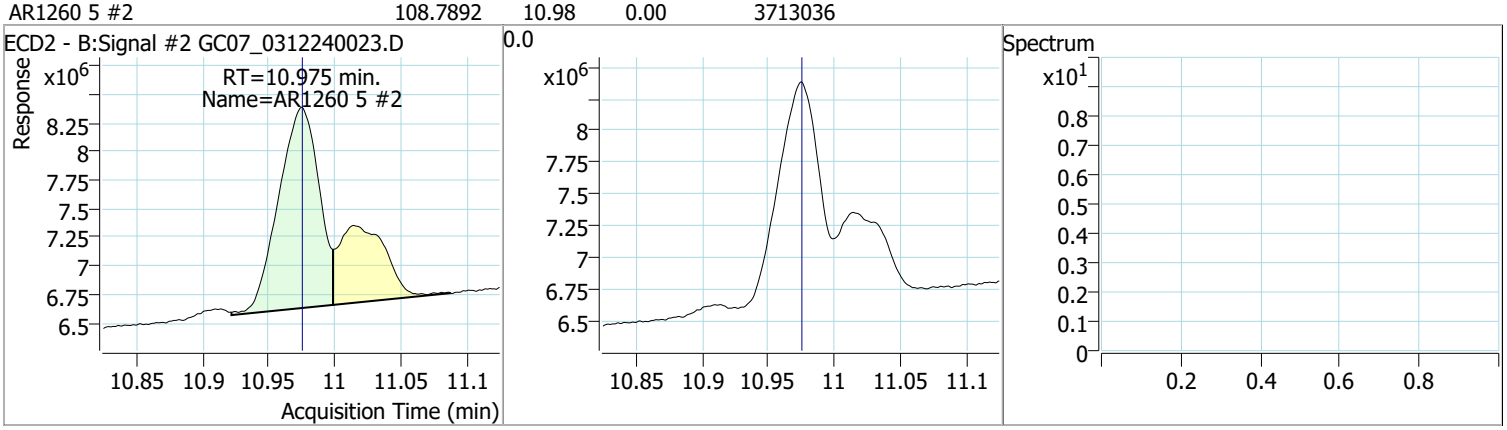
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	102.4139	9.99	0.00	16293751				



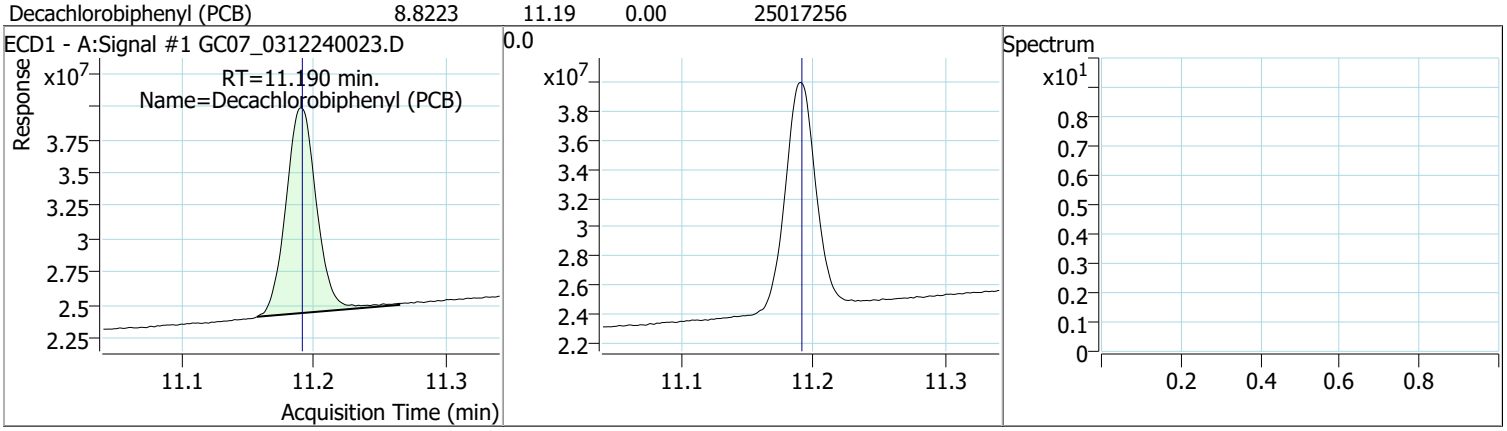
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	108.9422	10.31	0.00	2684288 (m)				



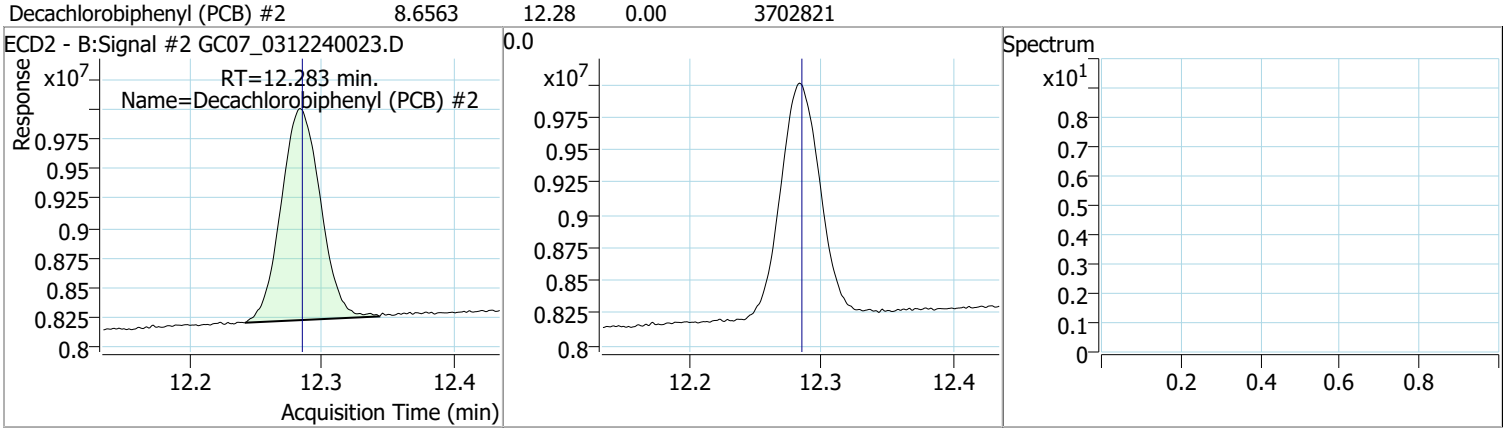
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	108.7892	10.98	0.00	3713036				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	8.8223	11.19	0.00	25017256				

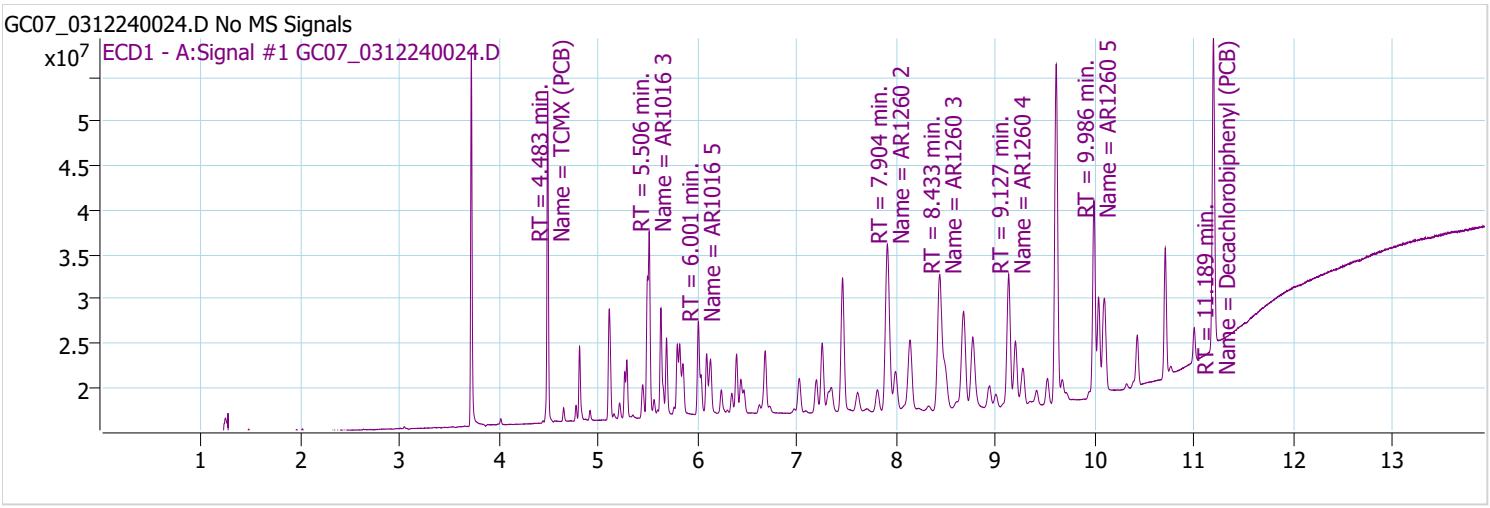


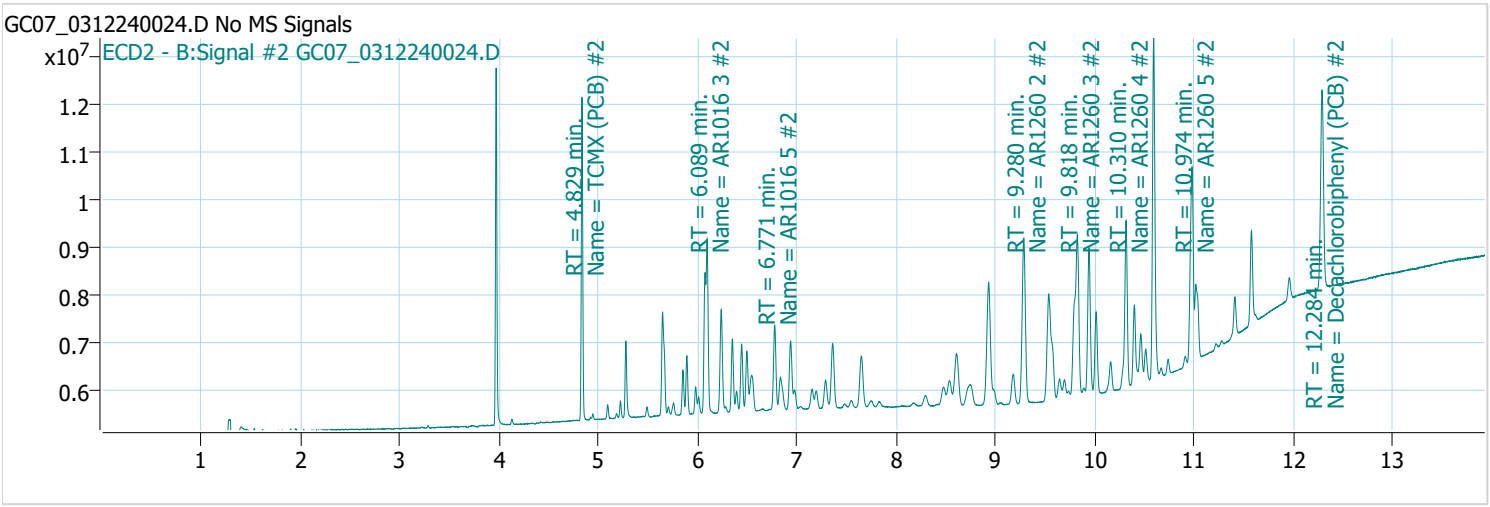
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	8.6563	12.28	0.00	3702821				



Quantitation Results Report (Not Reviewed)

Data File	GC07_0312240024.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/13/2024 4:25:51 AM
Sample Name	ICAL, S19335	Instrument	SVOA-GC07
Vial	15	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_1.m	Comment	250 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	031224PCBICAL.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



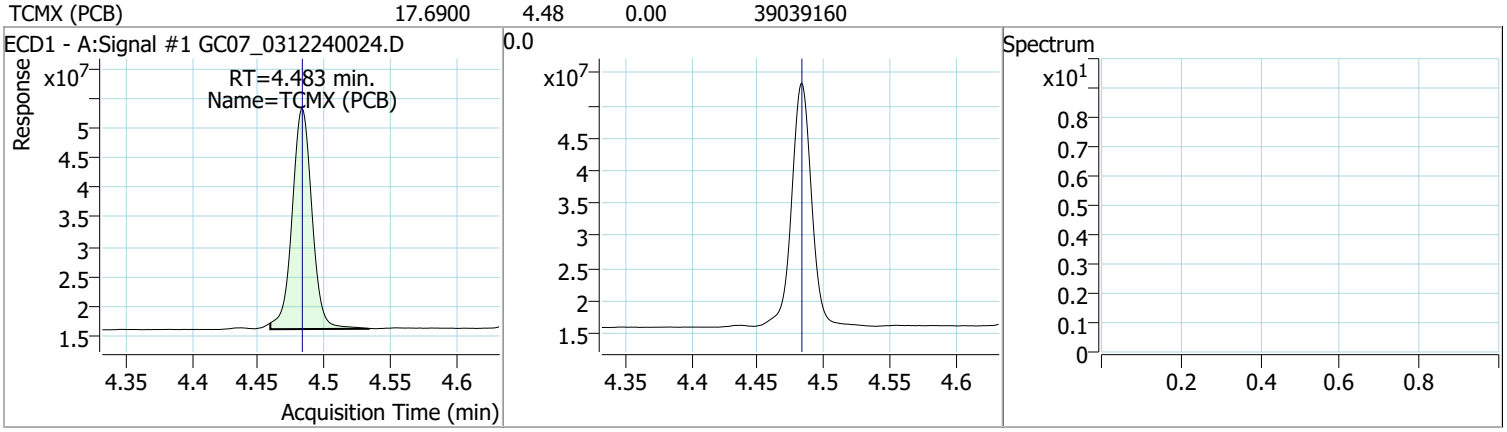


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.714	0.0	43494215.519	20.0000	ng/ml	-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.964	0.0	7409291.167	20.0000	ng/ml	-0.001
System Monitoring Compounds						
S TCMX (PCB)	4.483	0.0	39039160.421	17.6900	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 88.45%		
S TCMX (PCB) #2	4.829	0.0	6951035.207	18.6532	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 93.27%		
S Decachlorobiphenyl (PCB)	11.189	0.0	58986516.847	21.0961	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 105.48%		
S Decachlorobiphenyl (PCB) #2	12.284	0.0	8689219.781	21.3003	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 106.50%		
Target Compounds						QValue

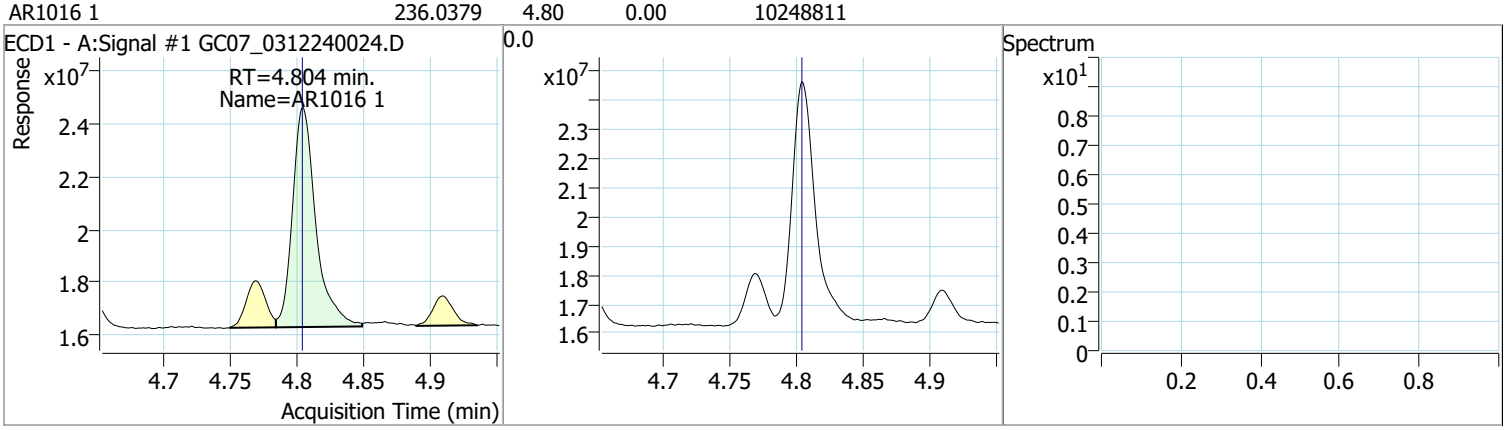
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.804	0.0	10248811.170	236.0379	ng/ml		100
T AR1016 2	5.103	0.0	19126267.136	237.7979	ng/ml		100
T AR1016 1 #2	5.272	0.0	1946240.804	245.8623	ng/ml		100
T AR1016 3	5.506	0.0	26962228.639	241.8277	ng/ml	m	100
T AR1016 4	5.624	0.0	18029986.979	242.4155	ng/ml		100
T AR1016 2 #2	5.641	0.0	4033517.635	245.1558	ng/ml		100
T AR1016 5	6.001	0.0	15424086.411	245.6591	ng/ml	m	100
T AR1016 3 #2	6.089	0.0	5164018.590	241.6476	ng/ml	m	100
T AR1016 4 #2	6.232	0.0	3600926.927	254.4217	ng/ml		100
T AR1016 5 #2	6.771	0.0	3047912.406	253.4779	ng/ml		100
T AR1260 1	7.453	0.0	32998826.541	251.1017	ng/ml		100
T AR1260 2	7.904	0.0	54158864.798	254.8359	ng/ml		100
T AR1260 3	8.433	0.0	59330448.544	254.1868	ng/ml		100
T AR1260 1 #2	8.926	0.0	7115917.872	257.7679	ng/ml		100
T AR1260 4	9.127	0.0	33632956.384	257.0301	ng/ml		100
T AR1260 2 #2	9.280	0.0	7878667.121	264.3356	ng/ml		100
T AR1260 3 #2	9.818	0.0	9716883.211	266.7555	ng/ml		100
T AR1260 5	9.986	0.0	40495021.783	258.1340	ng/ml		100
T AR1260 4 #2	10.310	0.0	6368097.166	271.0077	ng/ml		100
T AR1260 5 #2	10.974	0.0	8662184.102	266.1271	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

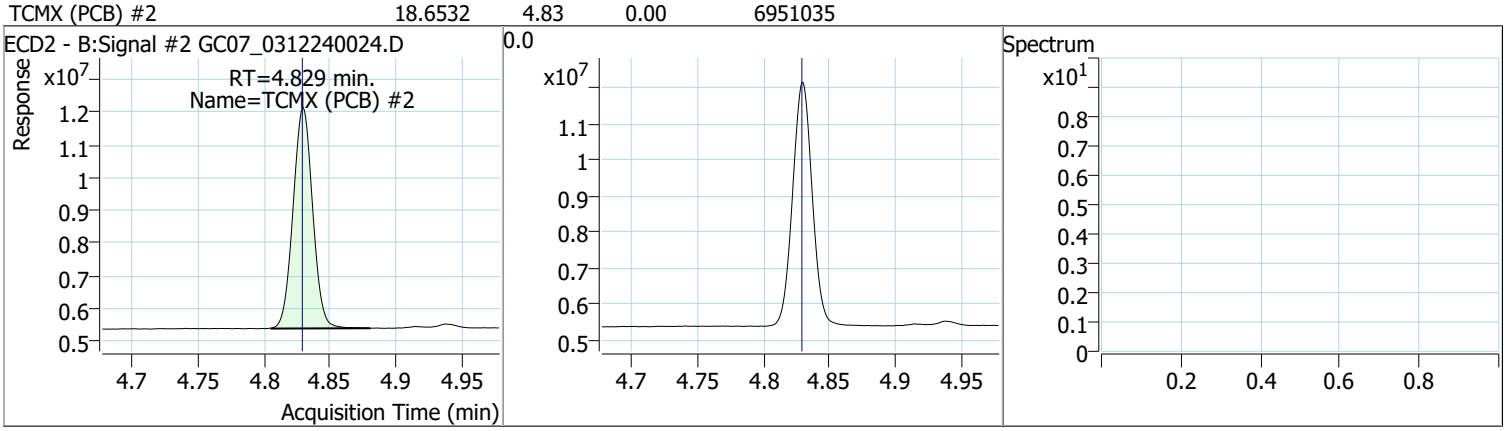
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	17.6900	4.48	0.00	39039160				



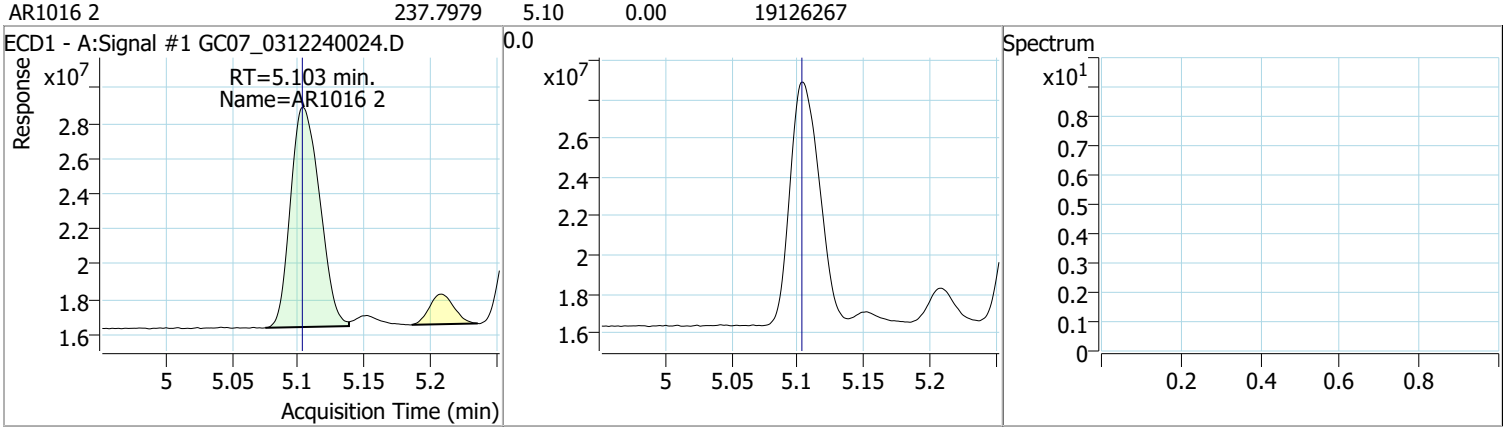
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	236.0379	4.80	0.00	10248811				



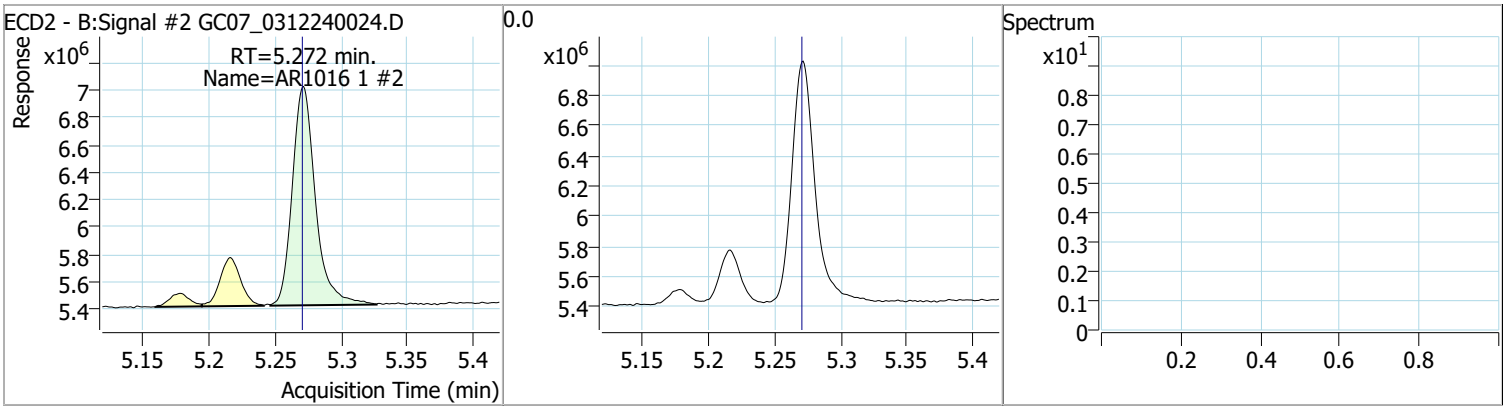
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	18.6532	4.83	0.00	6951035				



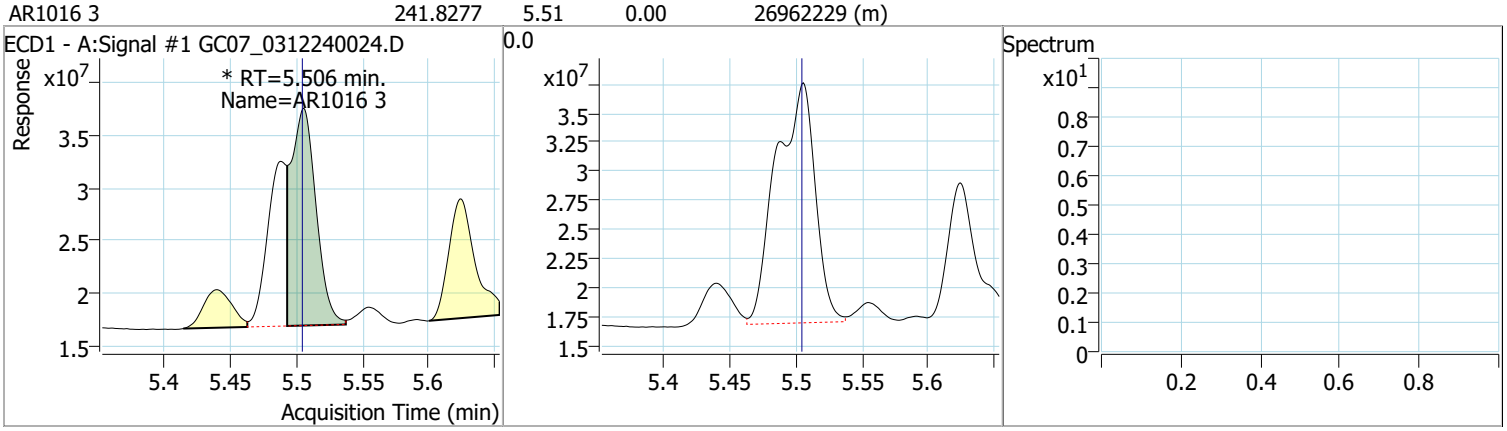
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	237.7979	5.10	0.00	19126267				



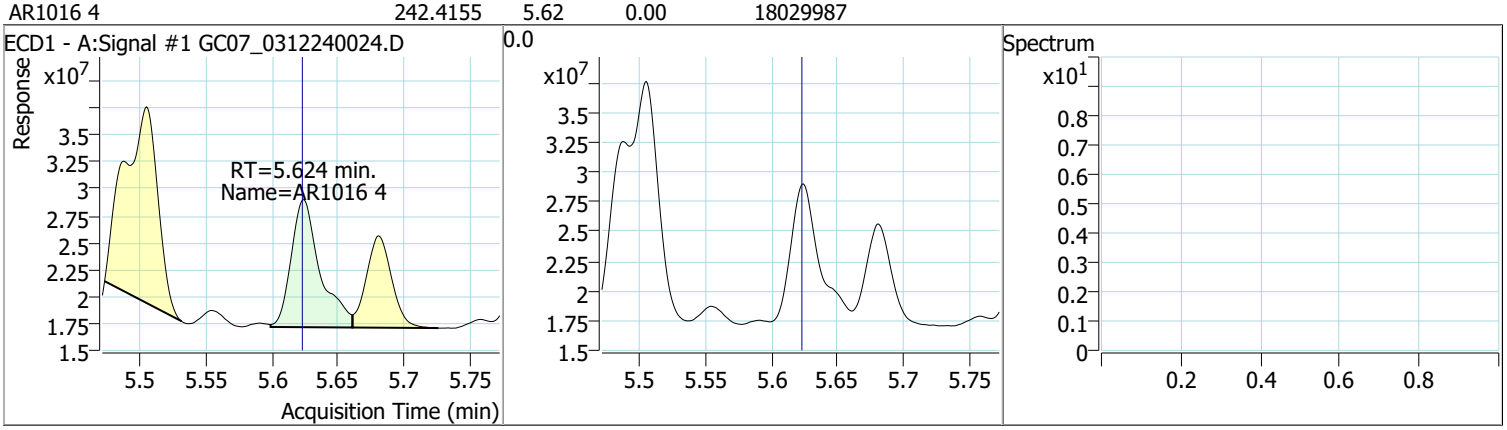
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	245.8623	5.27	0.00	1946241				



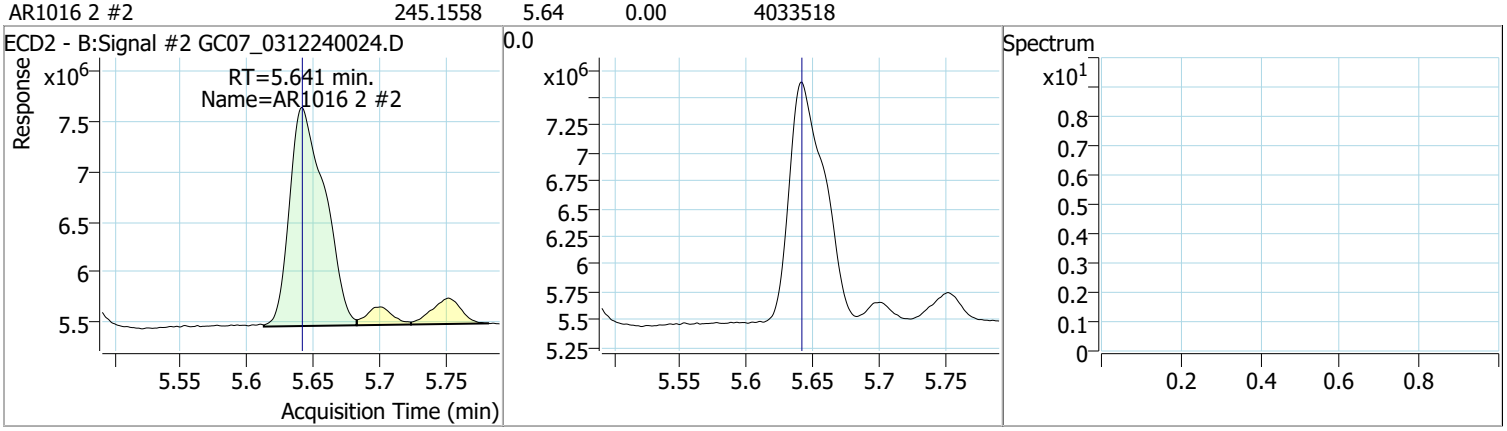
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	241.8277	5.51	0.00	26962229 (m)				



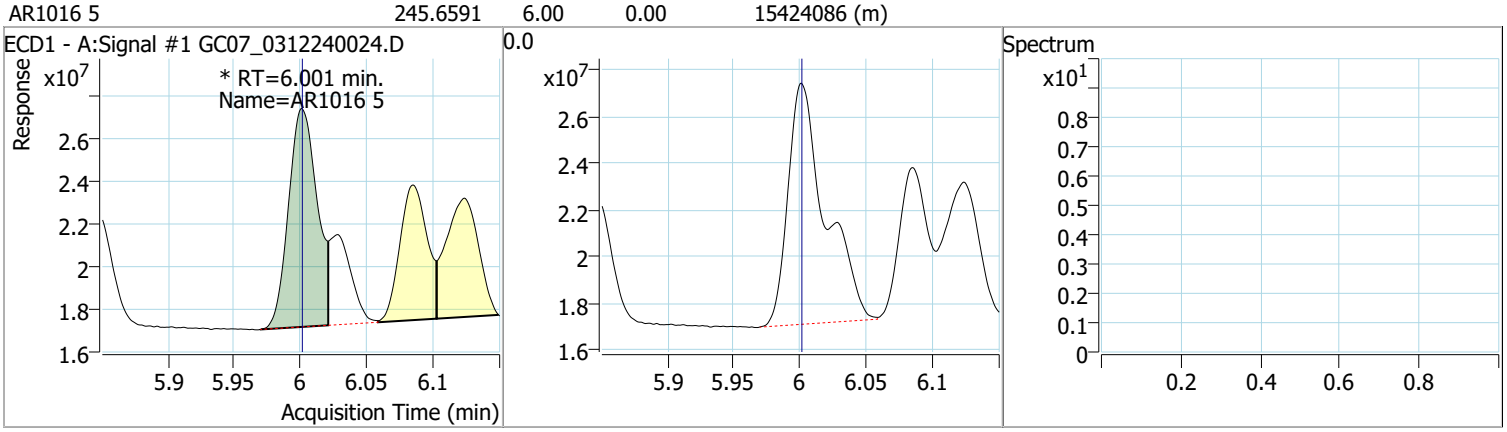
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	242.4155	5.62	0.00	18029987				



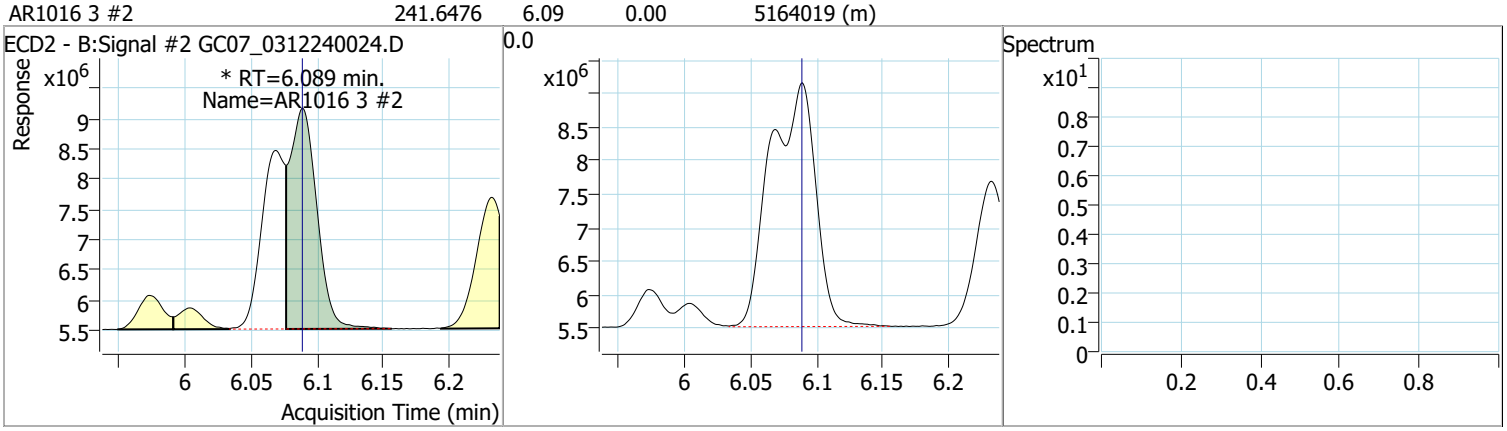
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	245.1558	5.64	0.00	4033518				



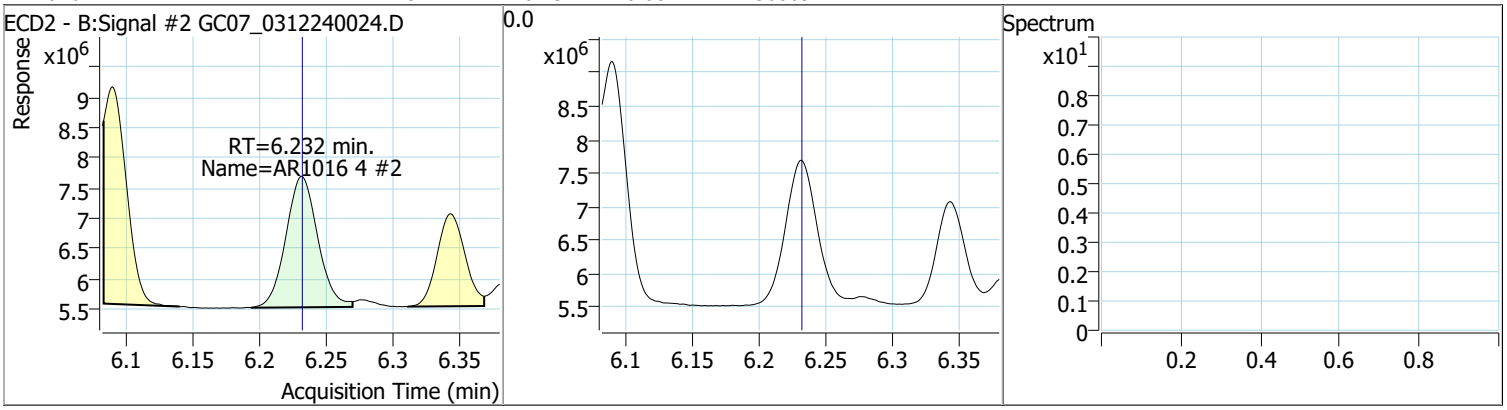
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	245.6591	6.00	0.00	15424086 (m)				



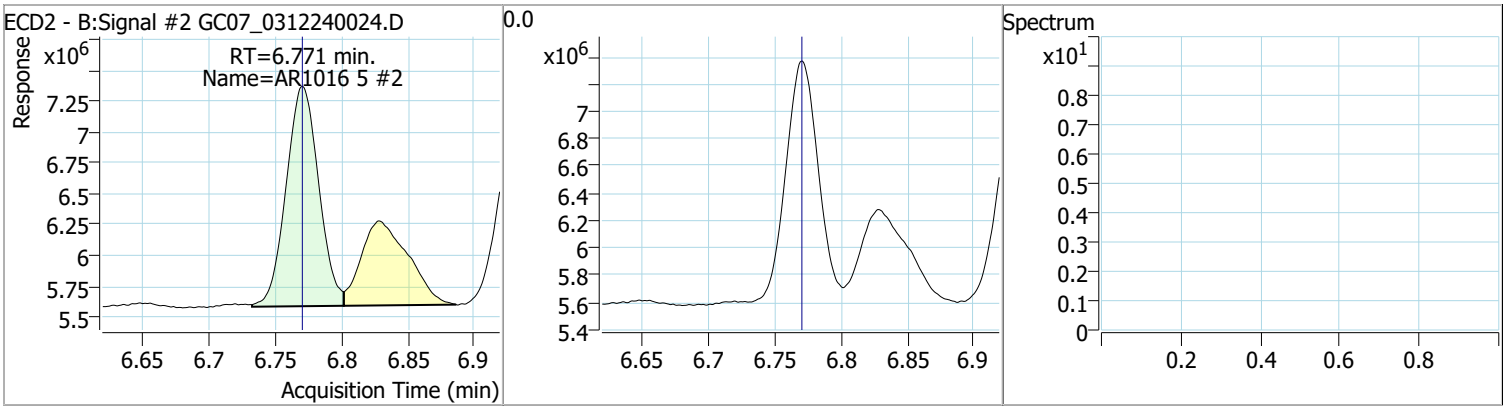
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AR1016 3 #2	241.6476	6.09	0.00	5164019 (m)				



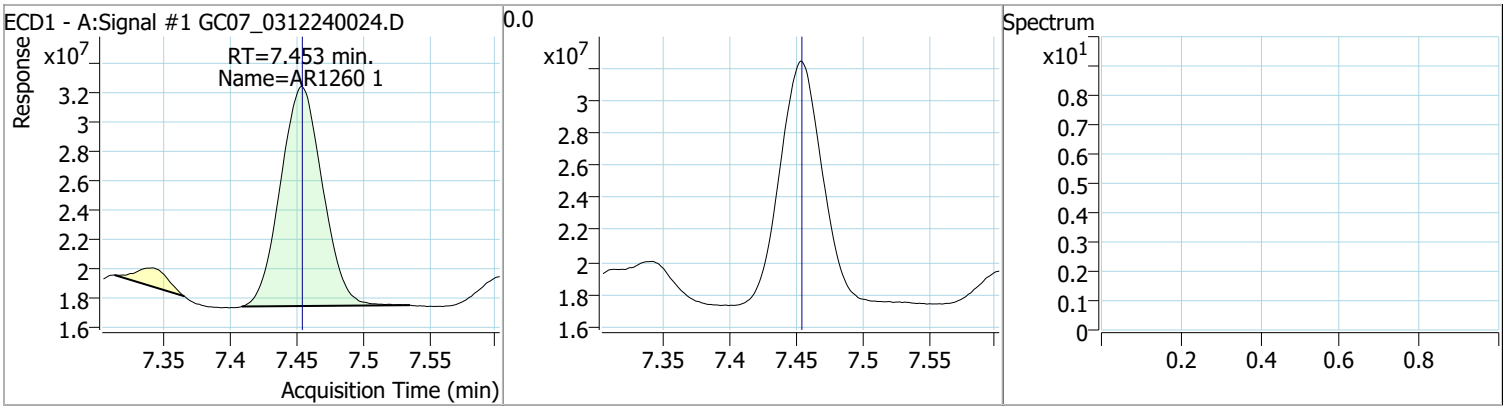
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	254.4217	6.23	0.00	3600927				



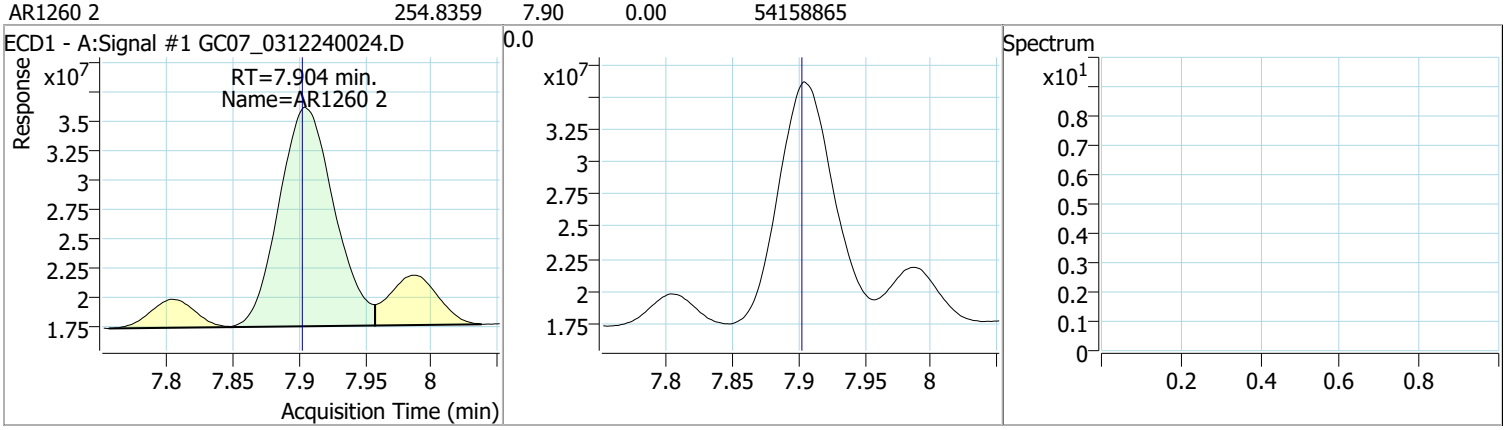
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	253.4779	6.77	0.00	3047912				



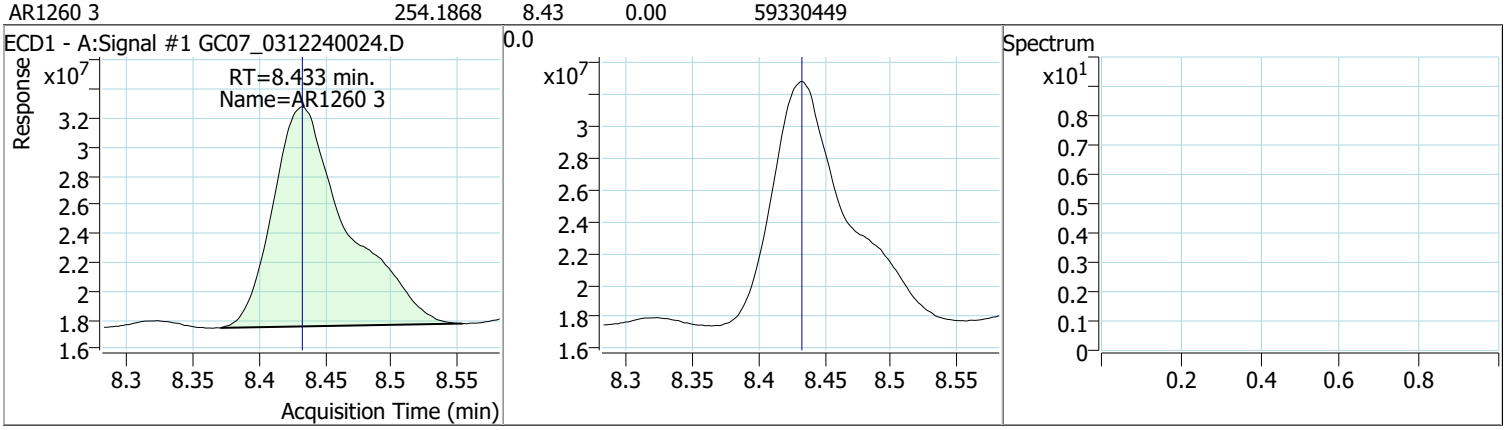
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	251.1017	7.45	0.00	32998827				



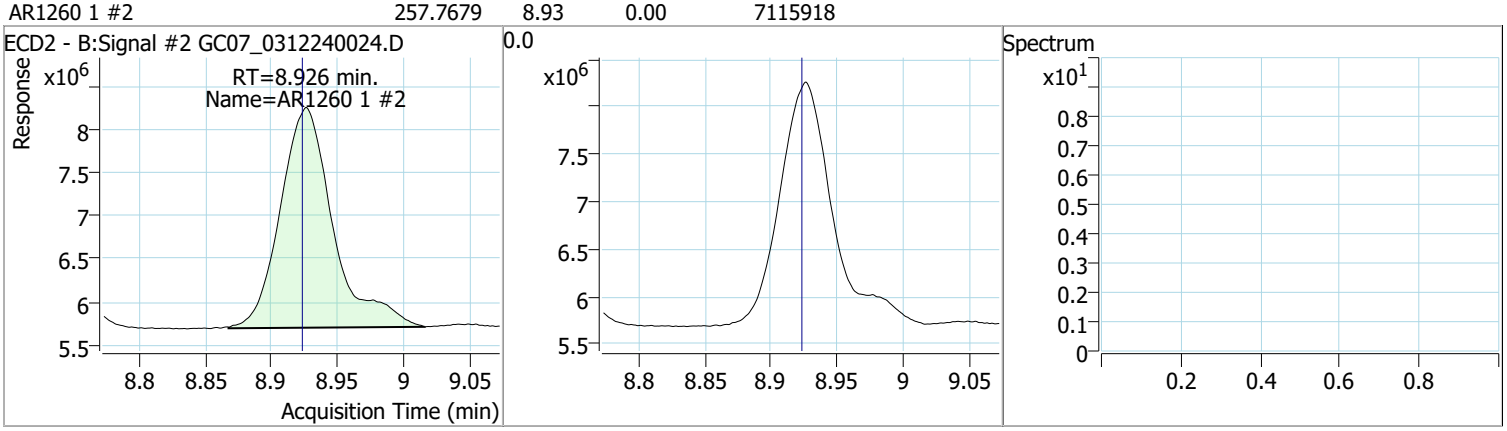
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	254.8359	7.90	0.00	54158865				



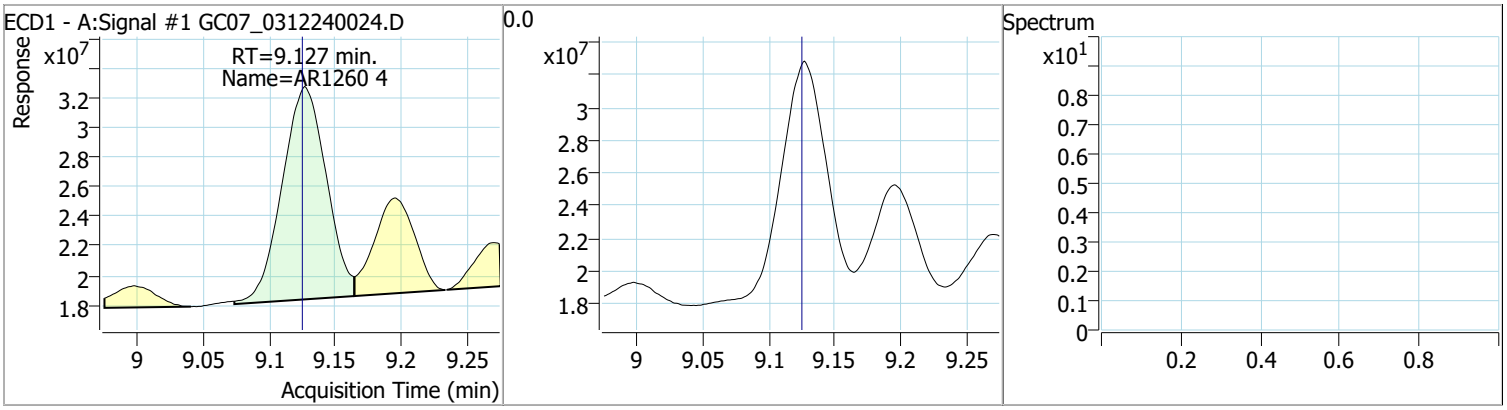
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	254.1868	8.43	0.00	59330449				



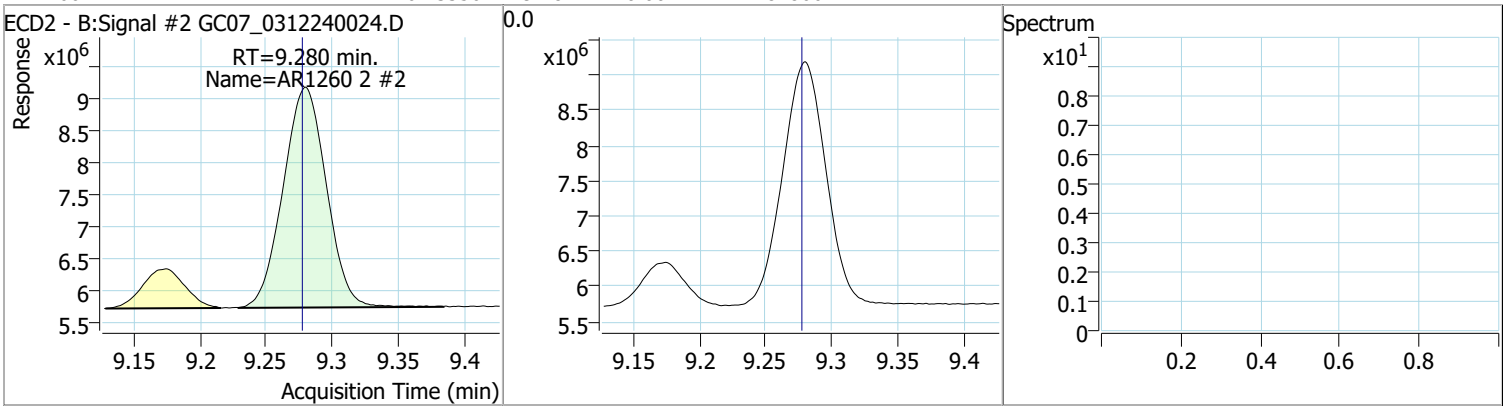
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	257.7679	8.93	0.00	7115918				



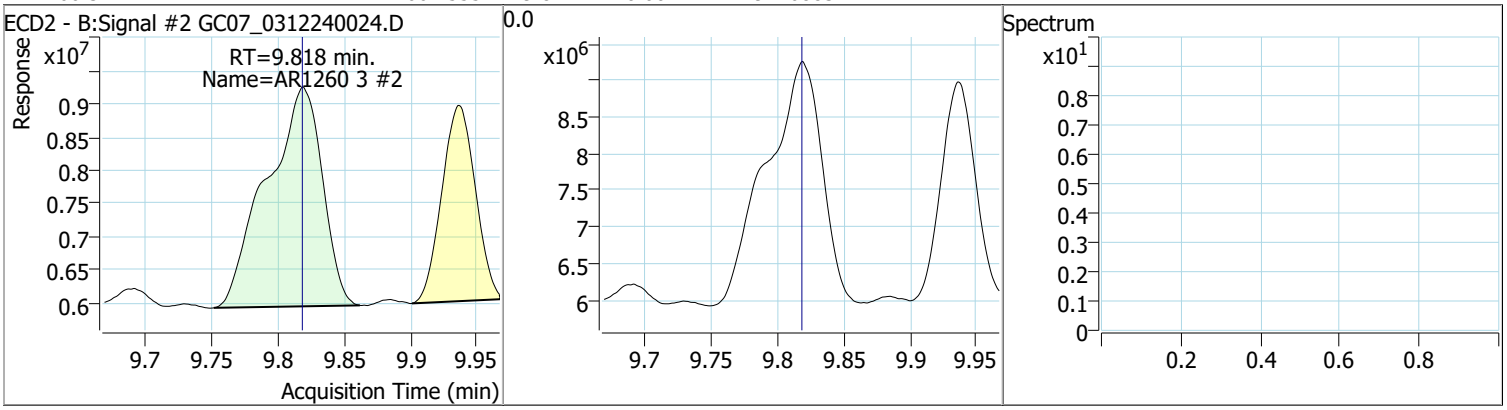
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	257.0301	9.13	0.00	33632956				



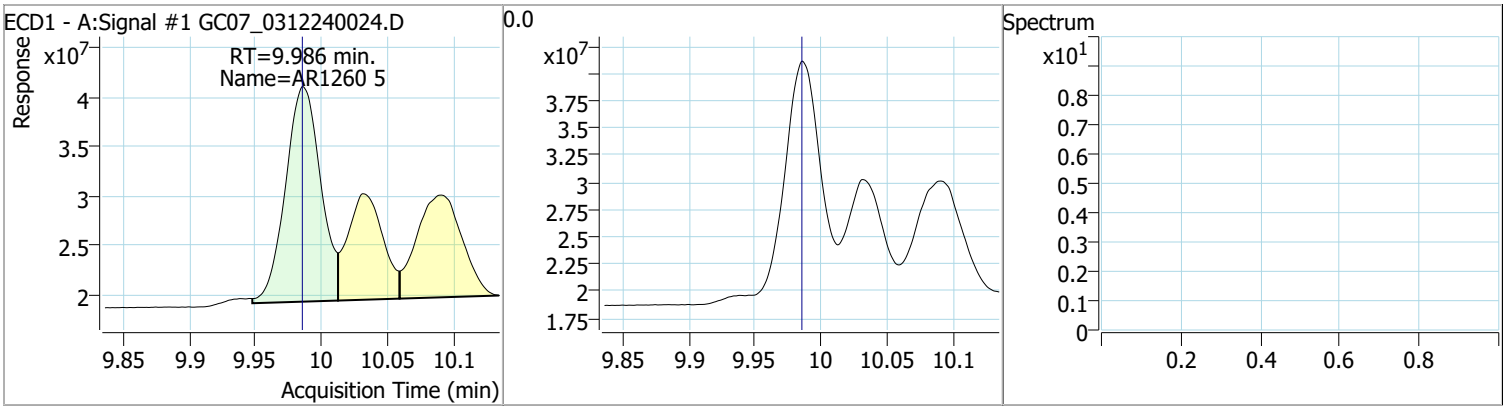
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	264.3356	9.28	0.00	7878667				



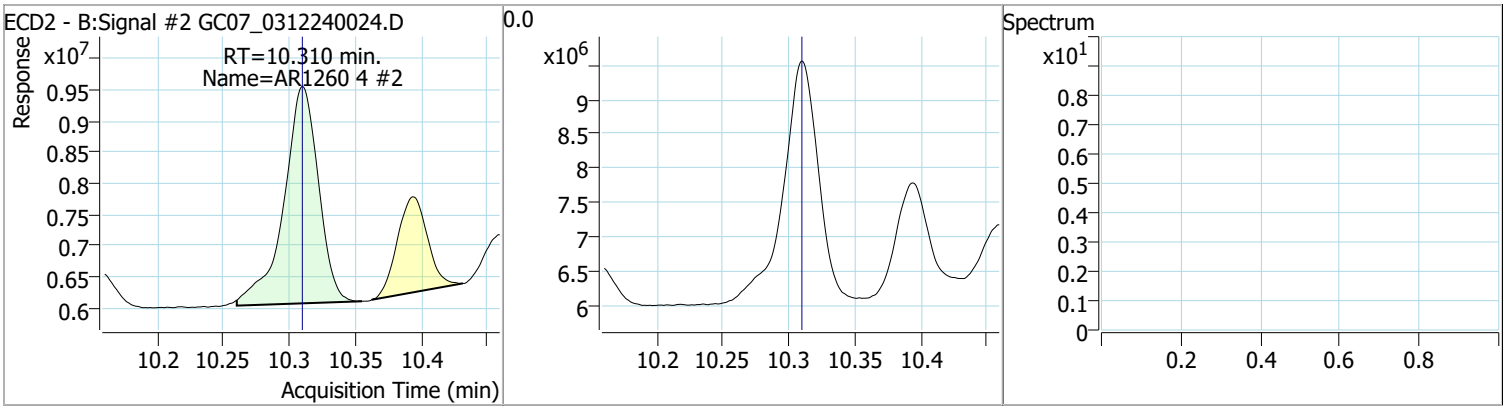
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	266.7555	9.82	0.00	9716883				



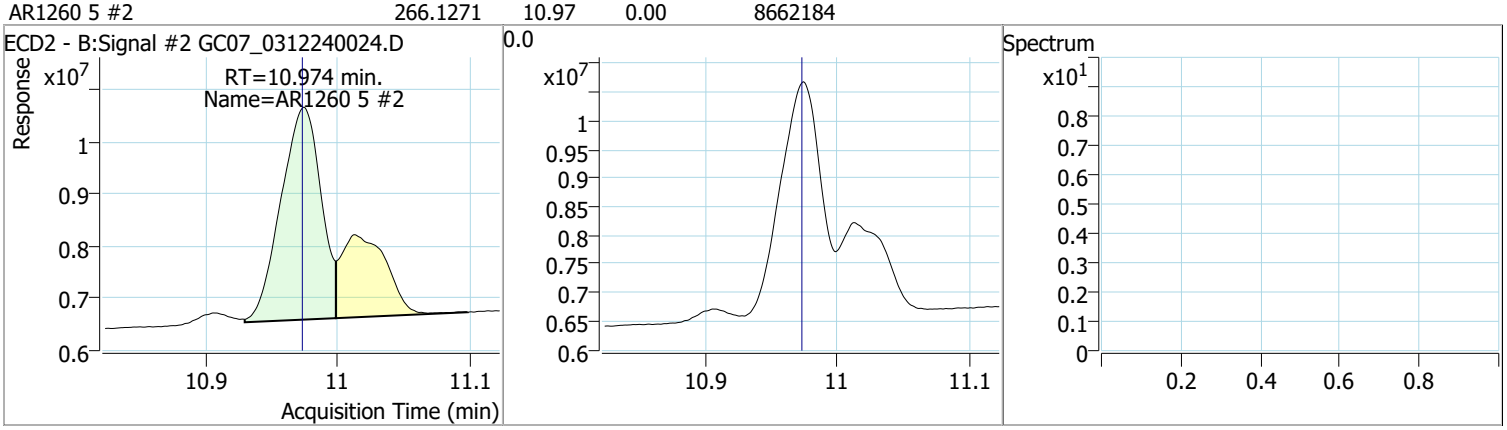
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	258.1340	9.99	0.00	40495022				



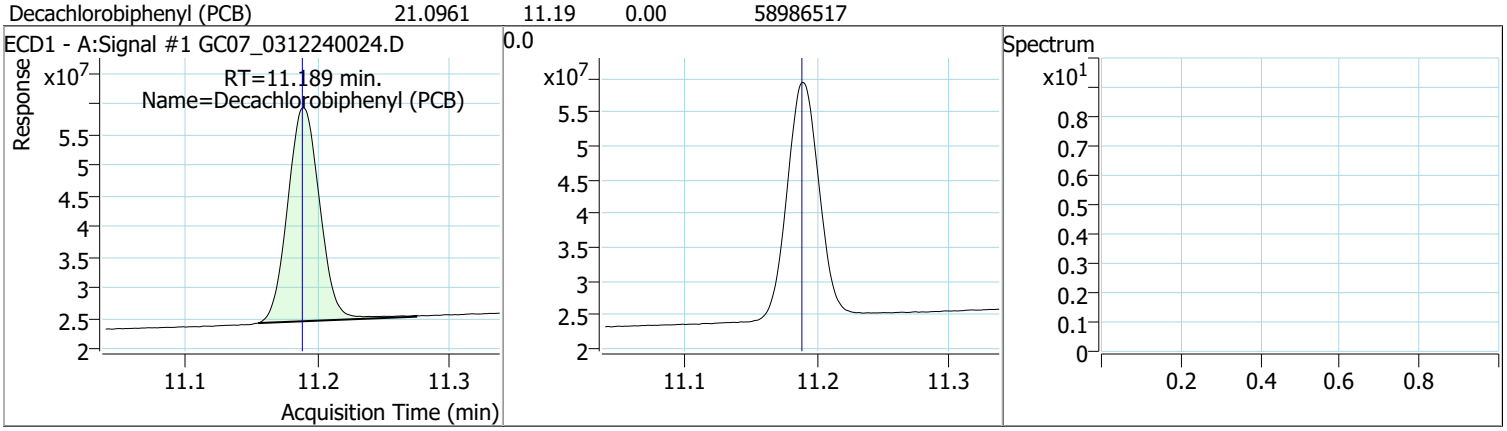
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	271.0077	10.31	0.00	6368097				



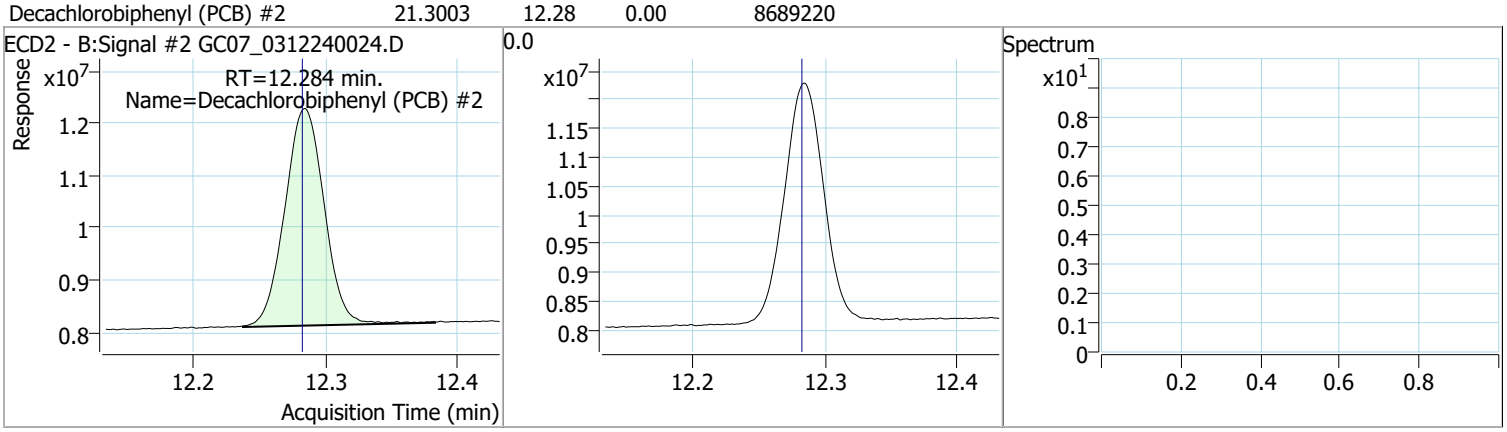
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	266.1271	10.97	0.00	8662184				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	21.0961	11.19	0.00	58986517				

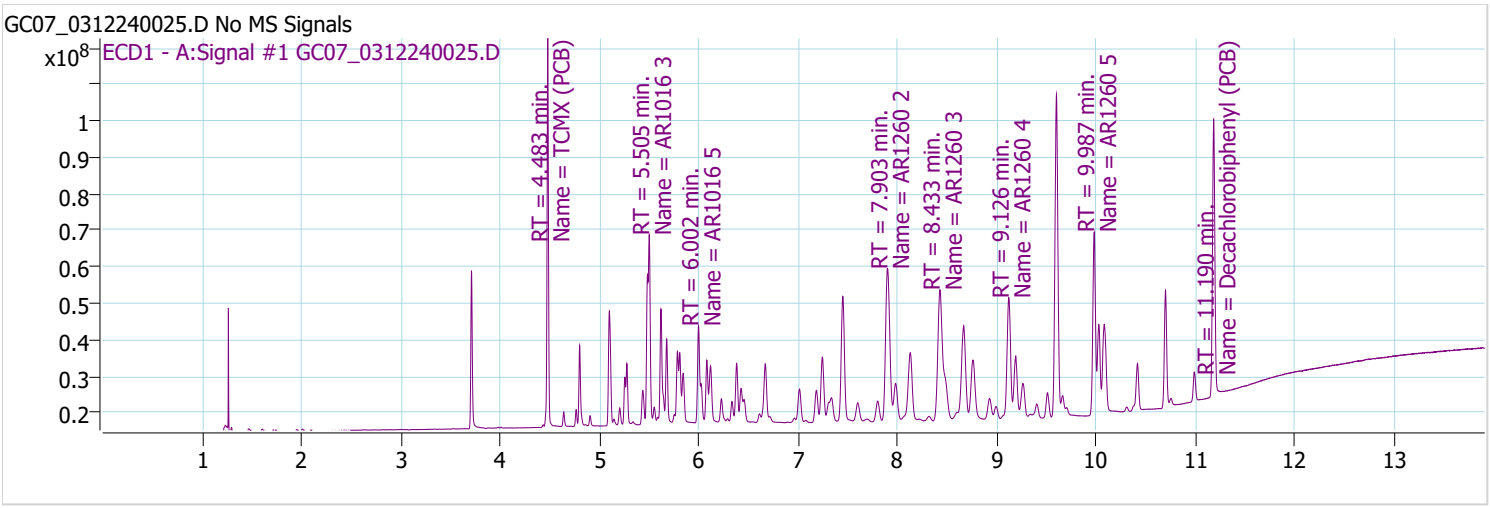


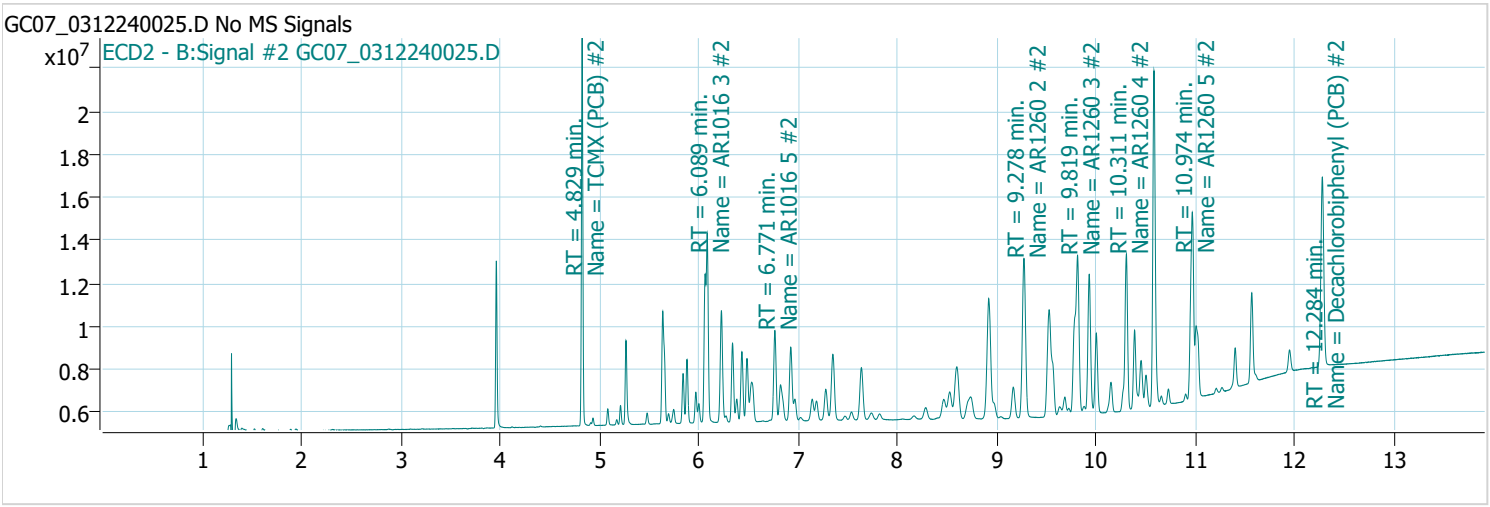
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	21.3003	12.28	0.00	8689220				



Quantitation Results Report (Not Reviewed)

Data File	GC07_0312240025.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/13/2024 4:46:52 AM
Sample Name	ICAL, S19340	Instrument	SVOA-GC07
Vial	16	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_1.m	Comment	500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	031224PCBICAL.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



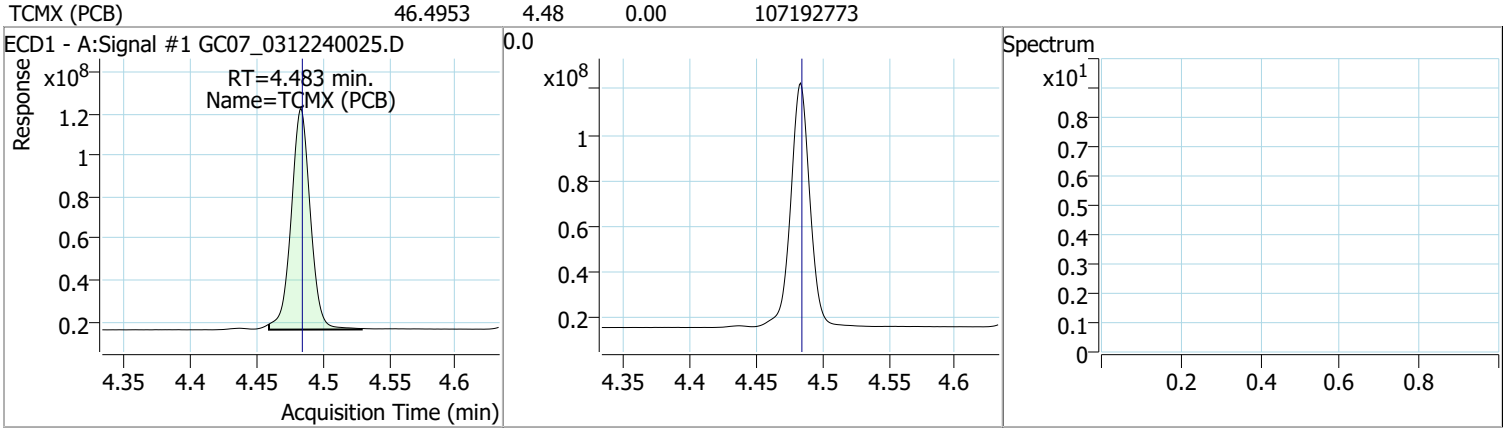


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.715	0.0	45437650.004	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.965	0.0	7817924.726	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.483	0.0	107192772.569	46.4953	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 232.48%		*	
S TCMX (PCB) #2	4.829	0.0	18291107.219	46.5188	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 232.59%		*	
S Decachlorobiphenyl (PCB)	11.190	0.0	125610528.429	43.0023	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 215.01%		*	
S Decachlorobiphenyl (PCB) #2	12.284	0.0	18441903.884	42.8445	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 214.22%		*	
Target Compounds							QValue

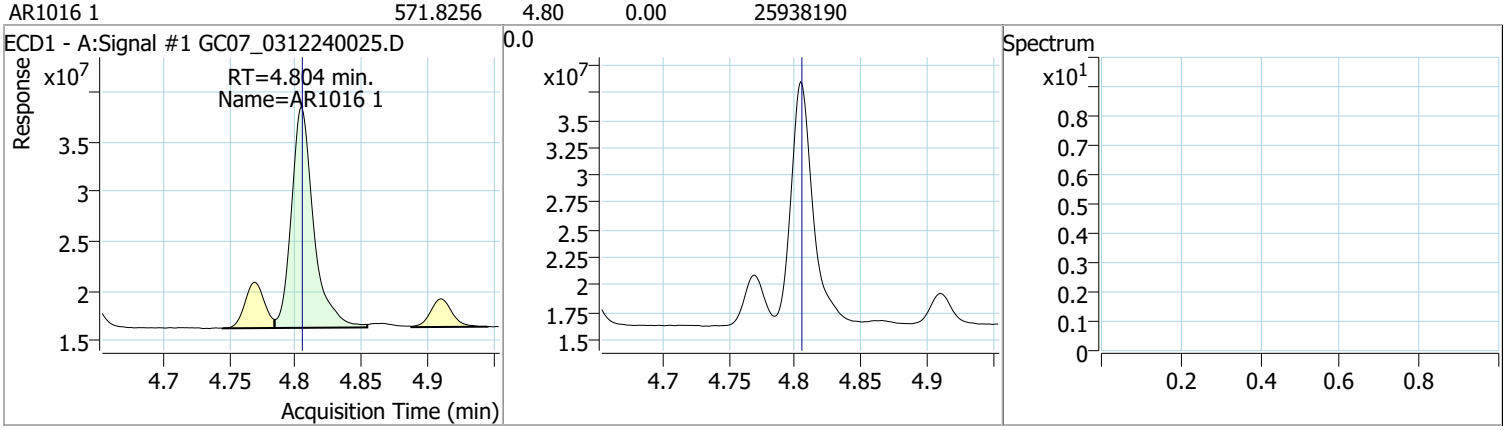
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.804	0.0	25938189.712	571.8256	ng/ml		100
T AR1016 2	5.103	0.0	47651972.831	567.1191	ng/ml		100
T AR1016 1 #2	5.271	0.0	4825251.816	577.6976	ng/ml		100
T AR1016 3	5.505	0.0	67410381.099	578.7523	ng/ml	m	100
T AR1016 4	5.623	0.0	45439083.105	584.8038	ng/ml		100
T AR1016 2 #2	5.642	0.0	9708972.159	559.2636	ng/ml		100
T AR1016 5	6.002	0.0	37905887.203	577.9039	ng/ml	m	100
T AR1016 3 #2	6.089	0.0	12647697.229	560.9075	ng/ml	m	100
T AR1016 4 #2	6.233	0.0	8628596.470	577.7835	ng/ml		100
T AR1016 5 #2	6.771	0.0	7235877.120	570.3138	ng/ml		100
T AR1260 1	7.455	0.0	76278940.217	555.6119	ng/ml		100
T AR1260 2	7.903	0.0	122357318.474	551.1078	ng/ml		100
T AR1260 3	8.433	0.0	141143606.850	578.8316	ng/ml		100
T AR1260 1 #2	8.924	0.0	16072357.771	551.7759	ng/ml		100
T AR1260 4	9.126	0.0	76608015.380	560.4138	ng/ml		100
T AR1260 2 #2	9.278	0.0	17057742.296	542.3875	ng/ml		100
T AR1260 3 #2	9.819	0.0	21443690.125	557.9189	ng/ml		100
T AR1260 5	9.987	0.0	92987037.781	567.3900	ng/ml		100
T AR1260 4 #2	10.311	0.0	14195112.288	572.5269	ng/ml		100
T AR1260 5 #2	10.974	0.0	18846974.687	548.7676	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

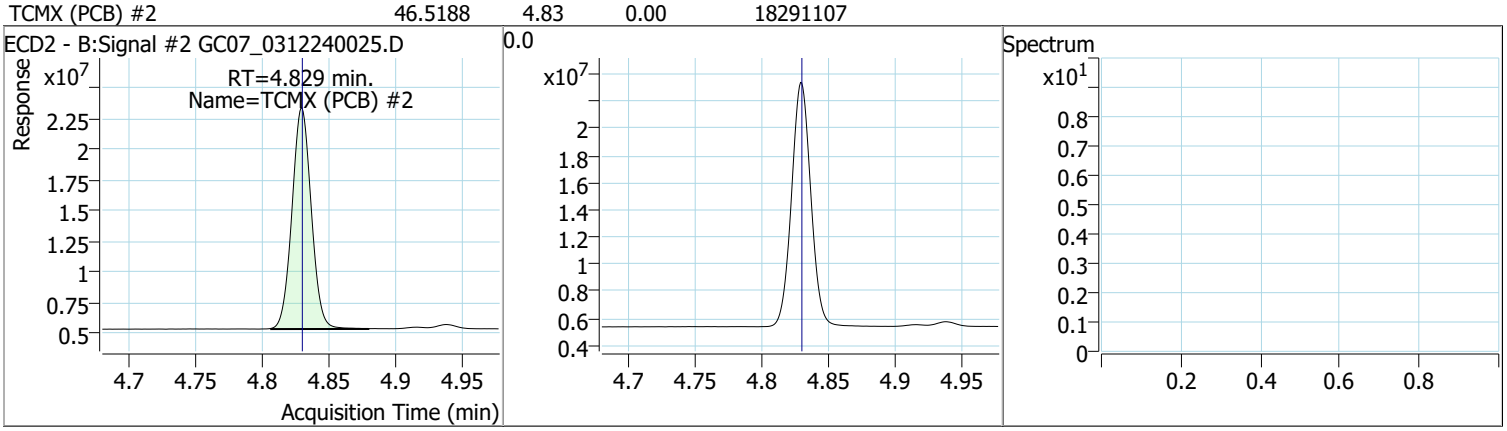
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	46.4953	4.48	0.00	107192773				



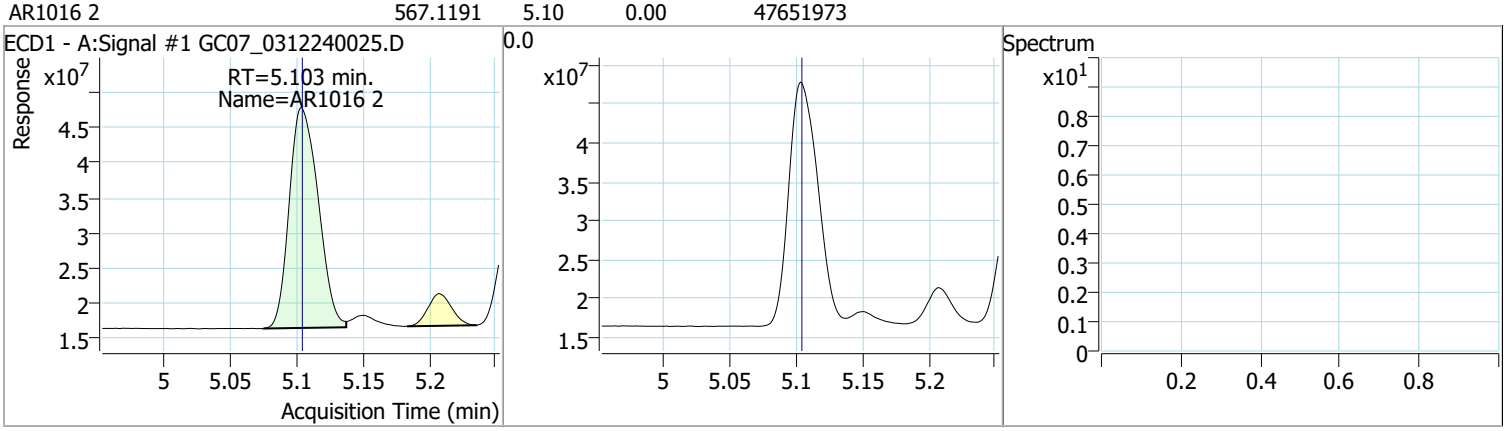
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	571.8256	4.80	0.00	25938190				



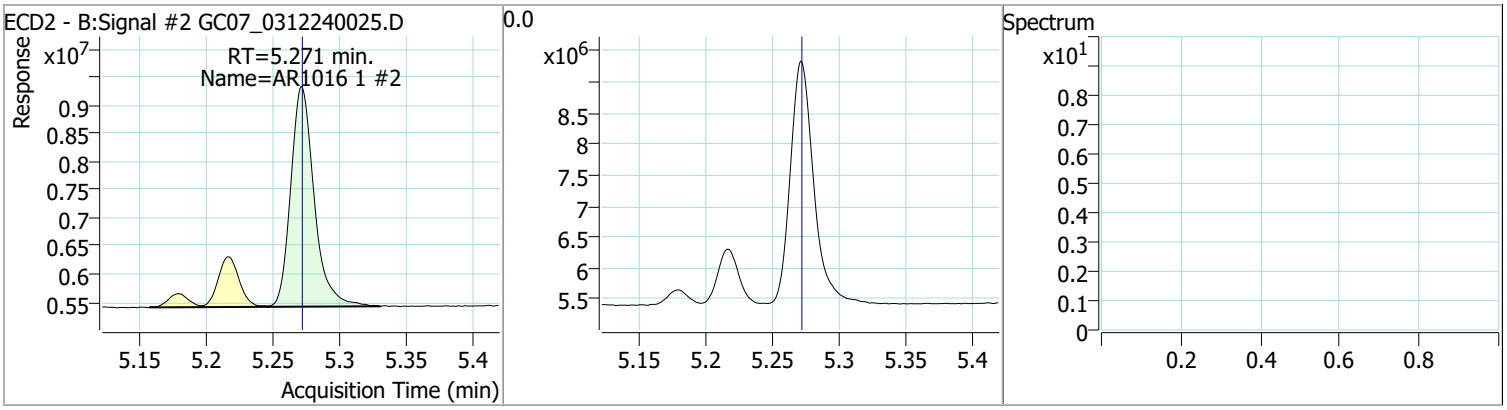
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	46.5188	4.83	0.00	18291107				



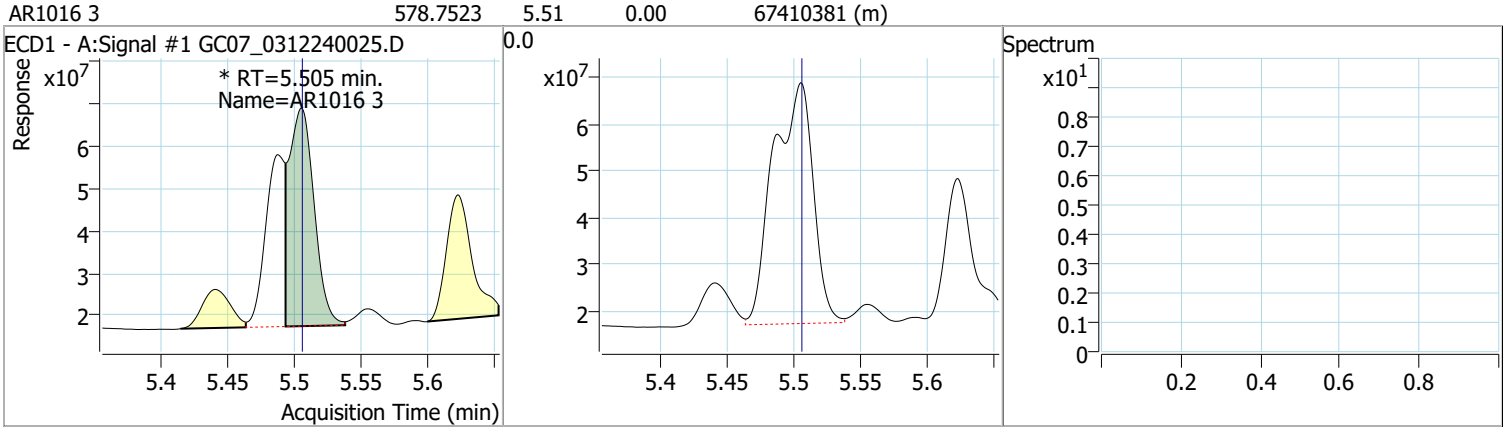
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	567.1191	5.10	0.00	47651973				



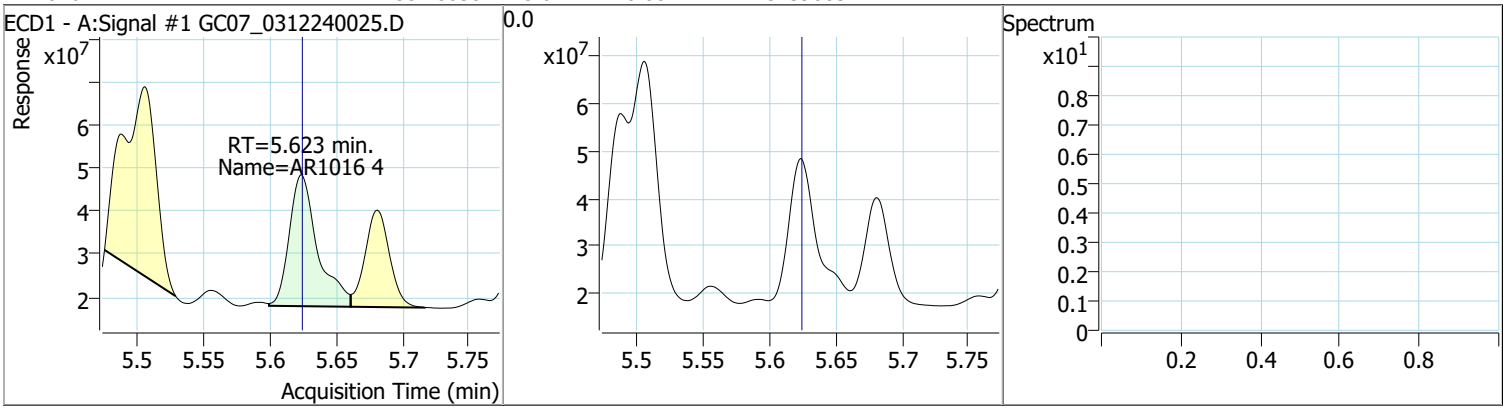
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	577.6976	5.27	0.00	4825252				



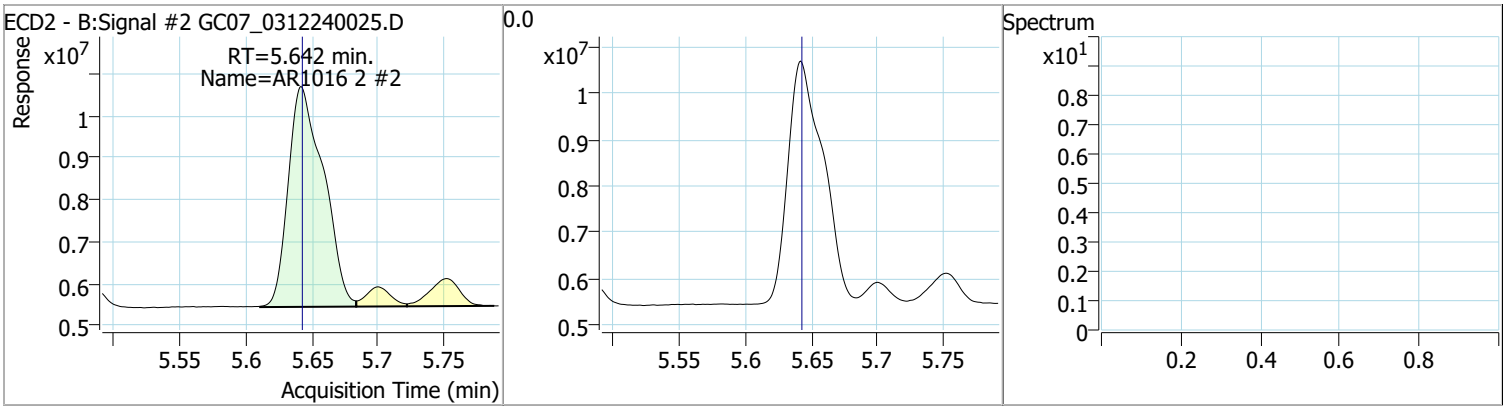
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	578.7523	5.51	0.00	67410381 (m)				



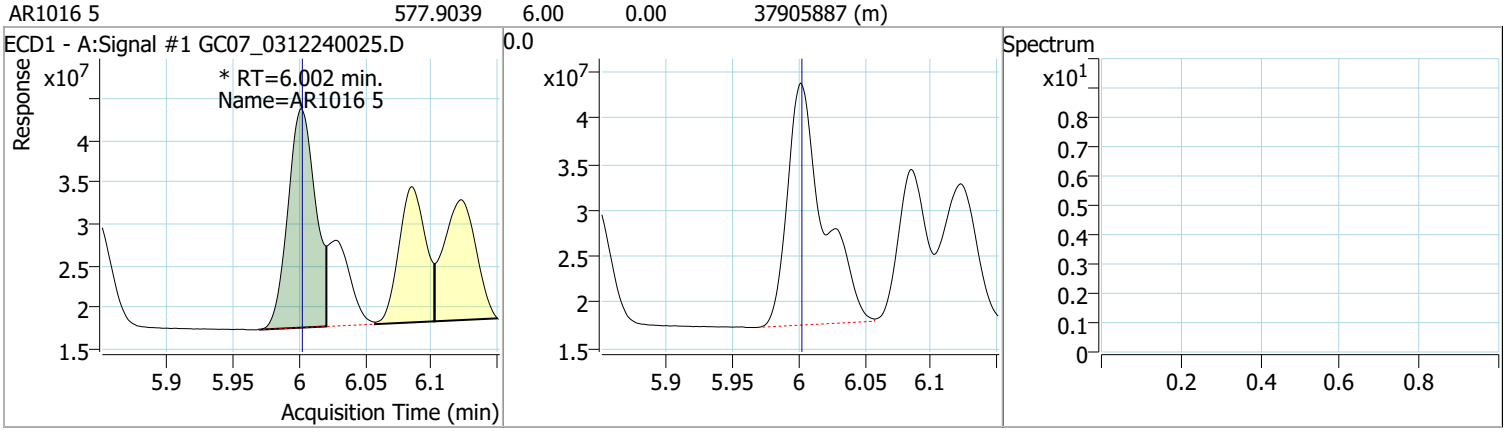
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	584.8038	5.62	0.00	45439083				



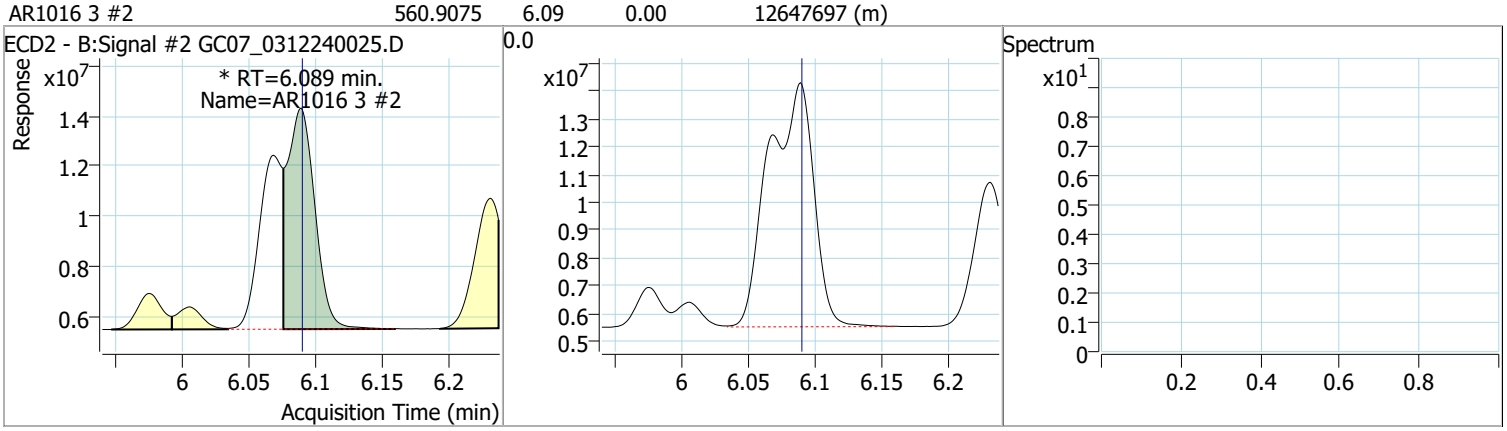
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	559.2636	5.64	0.00	9708972				



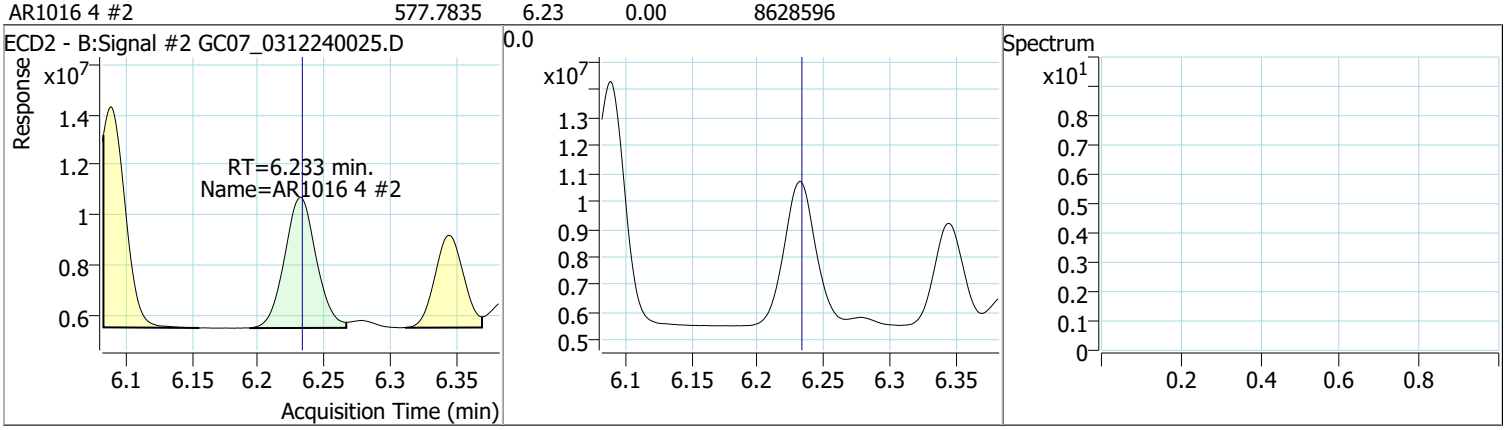
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	577.9039	6.00	0.00	37905887 (m)				



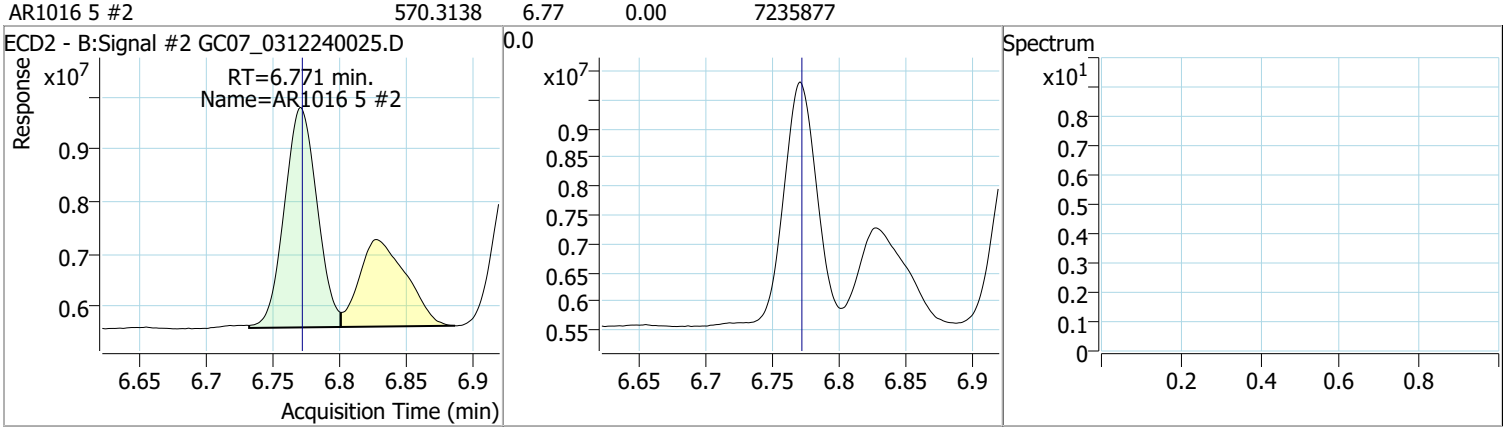
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	560.9075	6.09	0.00	12647697 (m)				



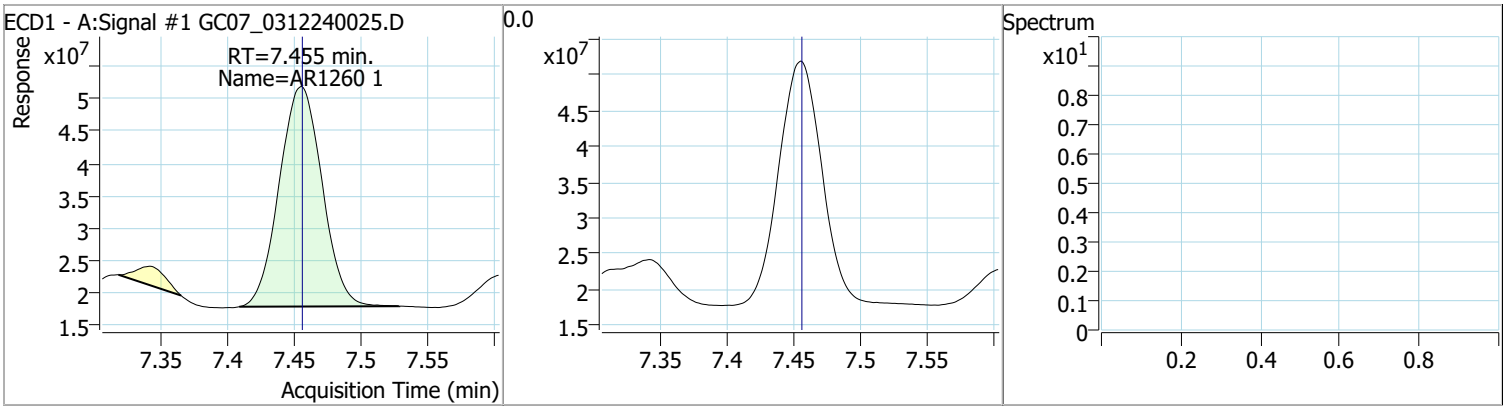
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	577.7835	6.23	0.00	8628596				



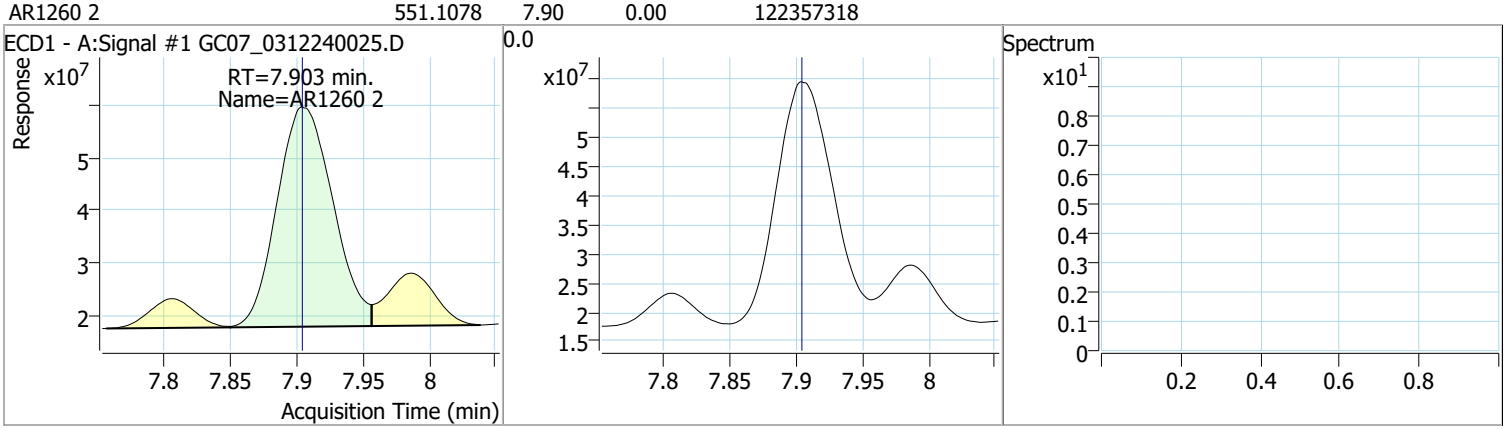
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	570.3138	6.77	0.00	7235877				



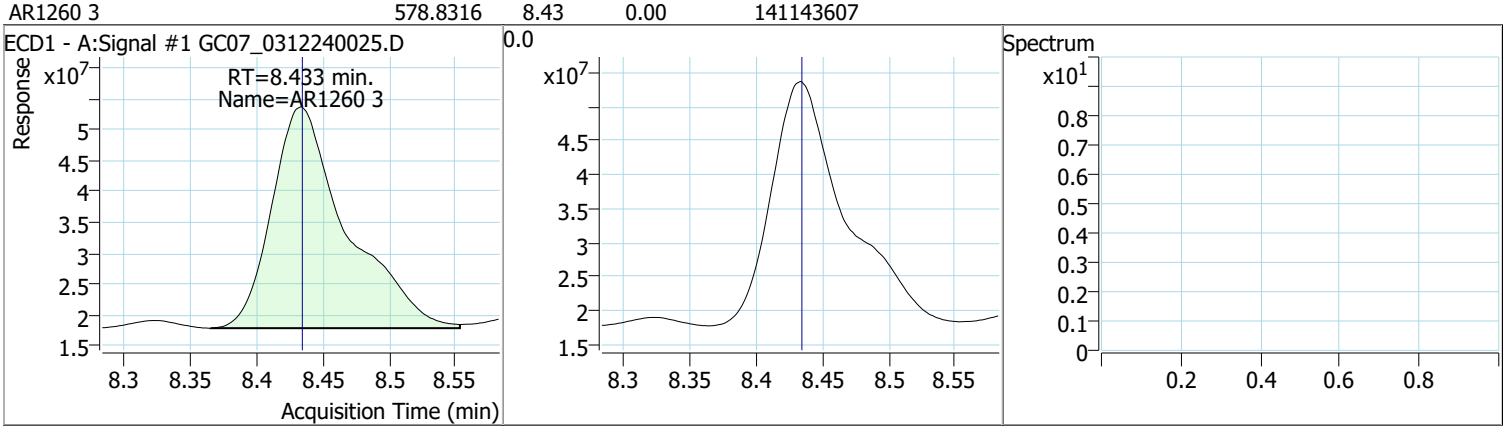
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	555.6119	7.46	0.00	76278940				



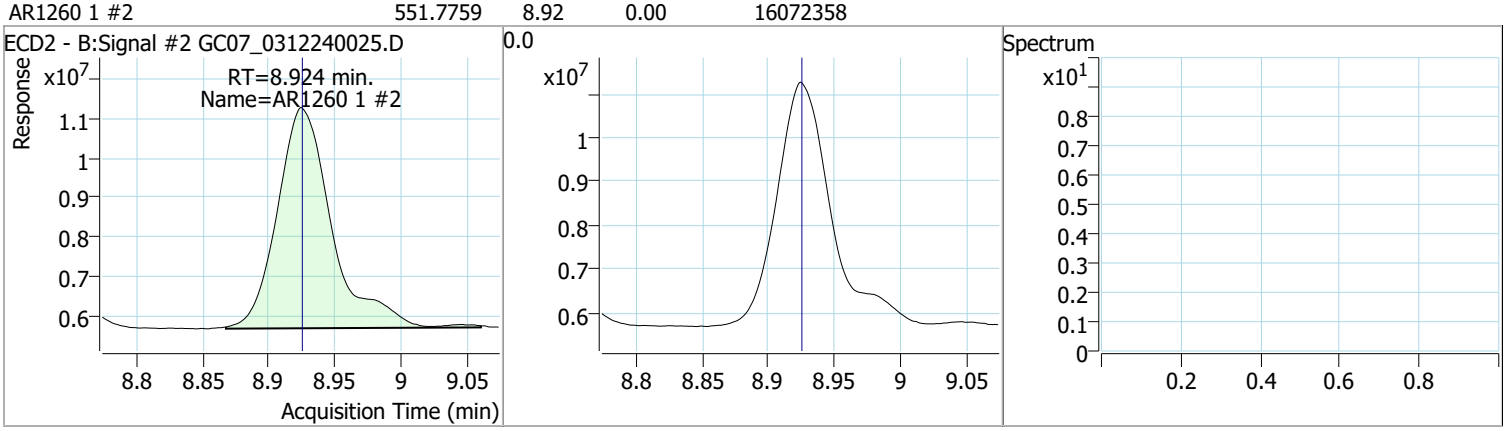
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	551.1078	7.90	0.00	122357318				



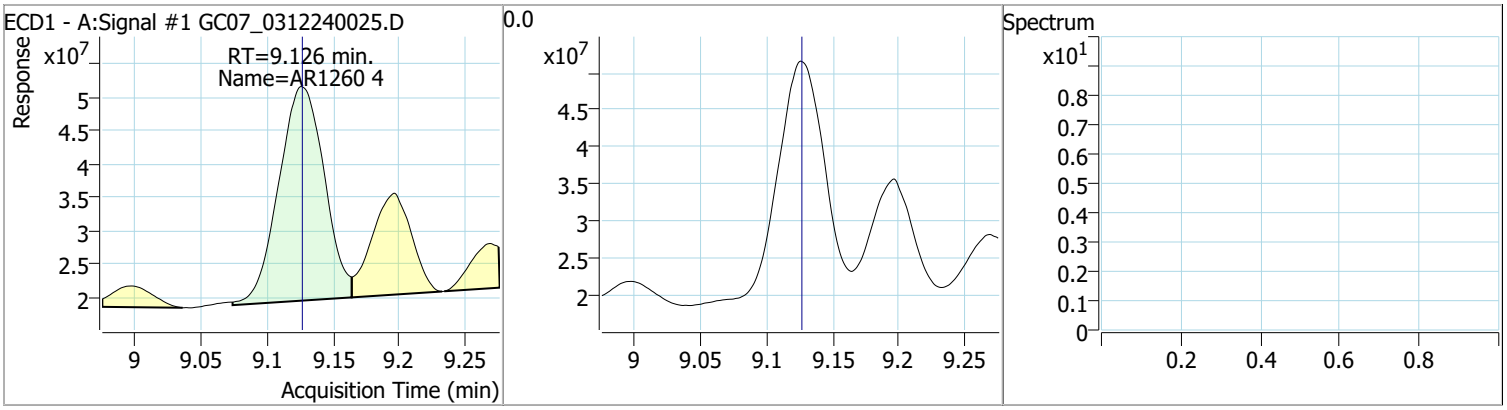
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	578.8316	8.43	0.00	141143607				



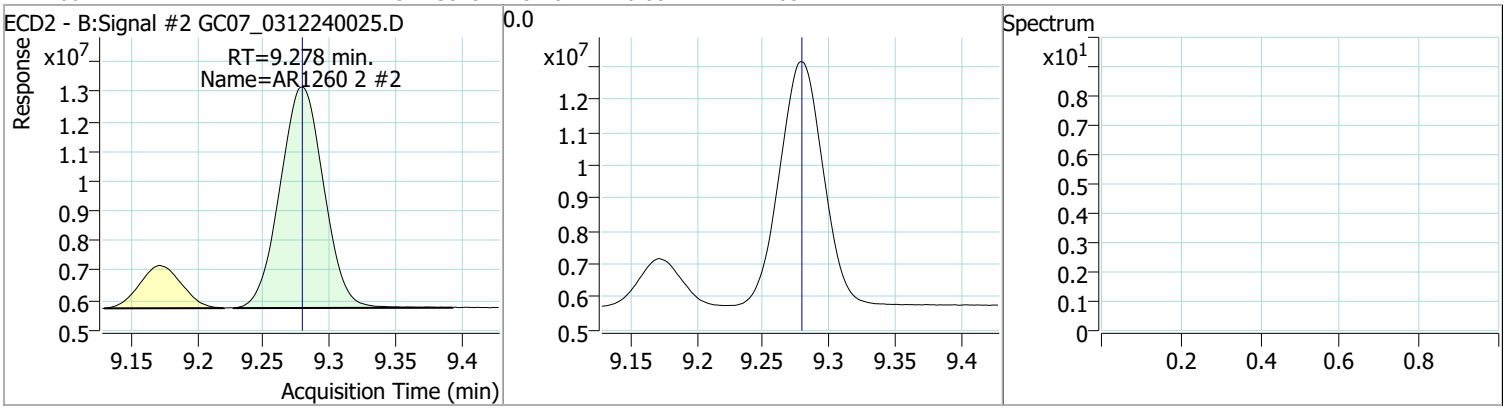
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	551.7759	8.92	0.00	16072358				



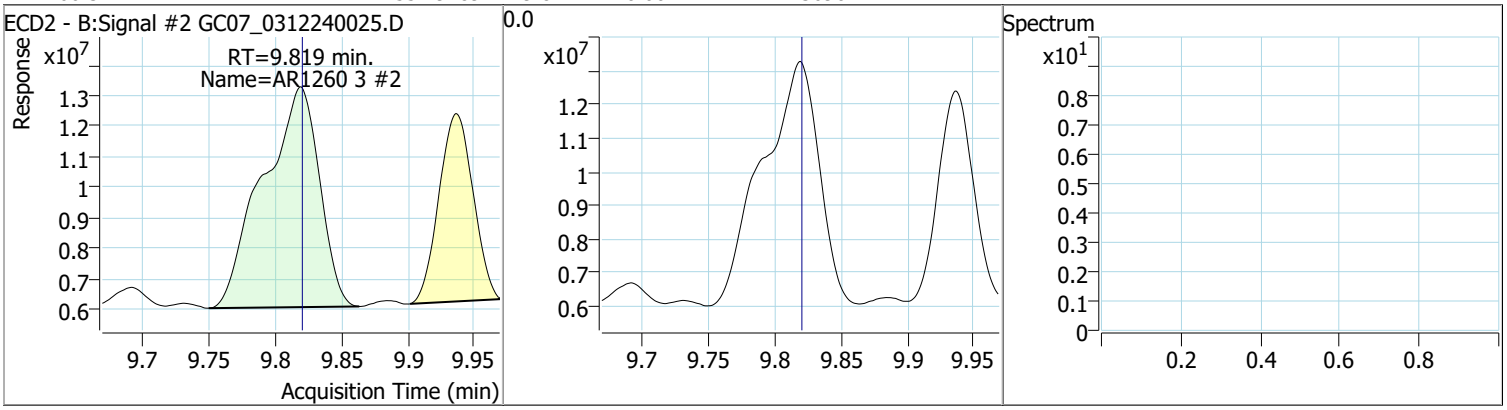
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	560.4138	9.13	0.00	76608015				



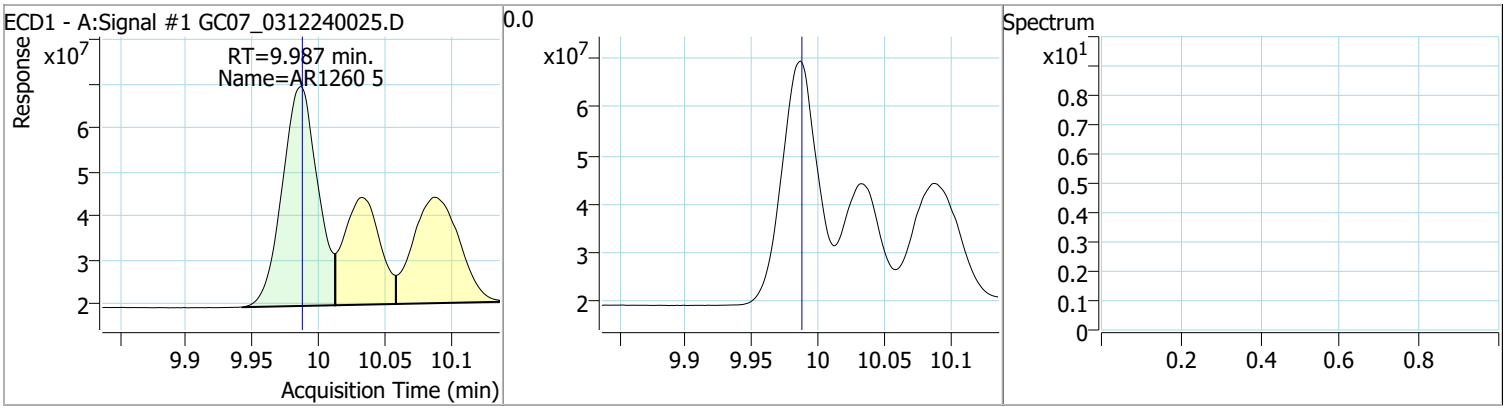
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	542.3875	9.28	0.00	17057742				



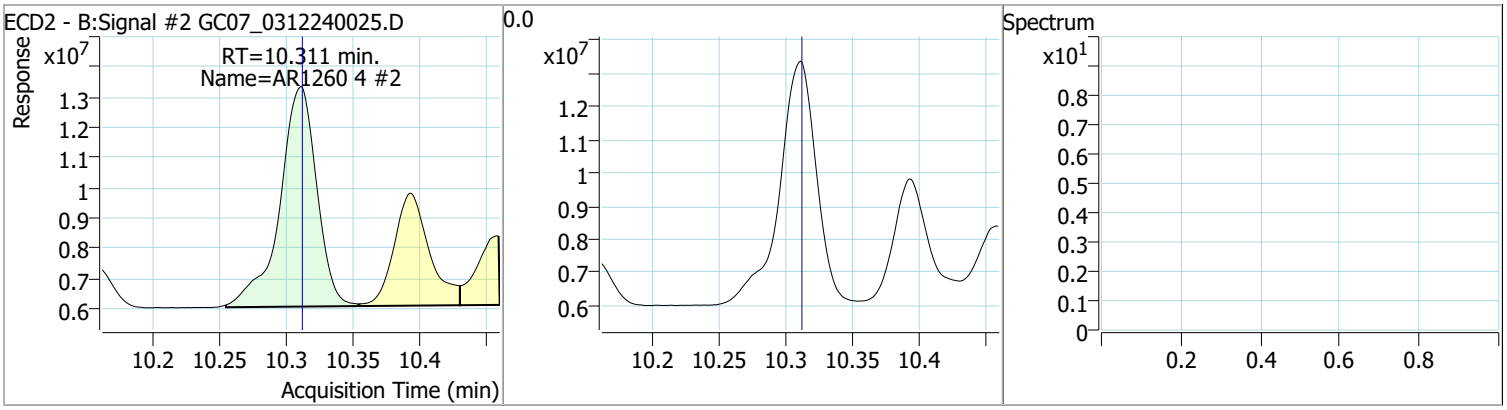
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	557.9189	9.82	0.00	21443690				



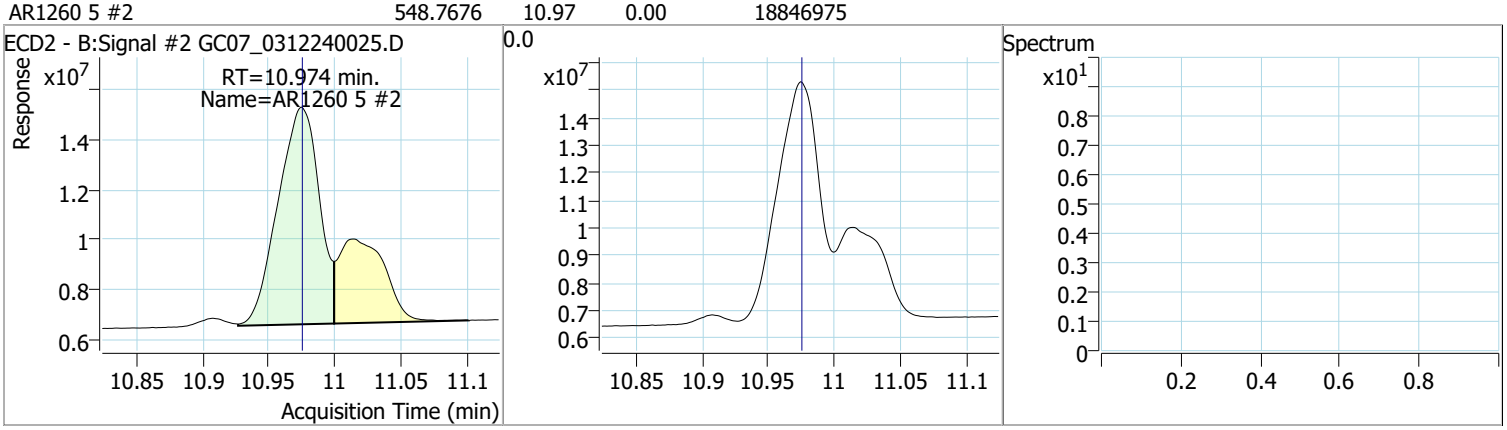
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	567.3900	9.99	0.00	92987038				



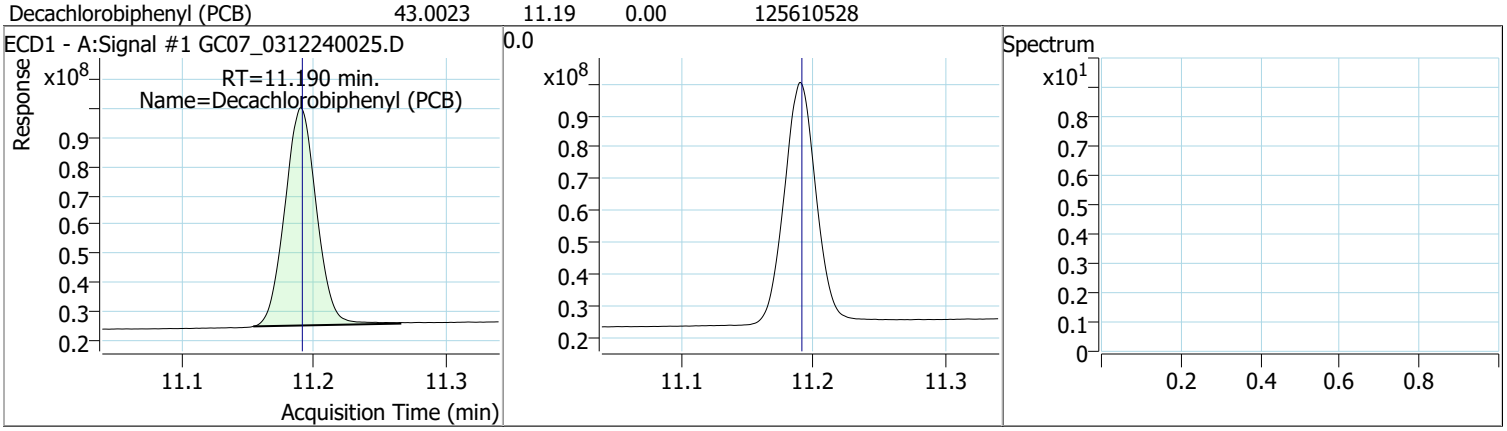
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	572.5269	10.31	0.00	14195112				



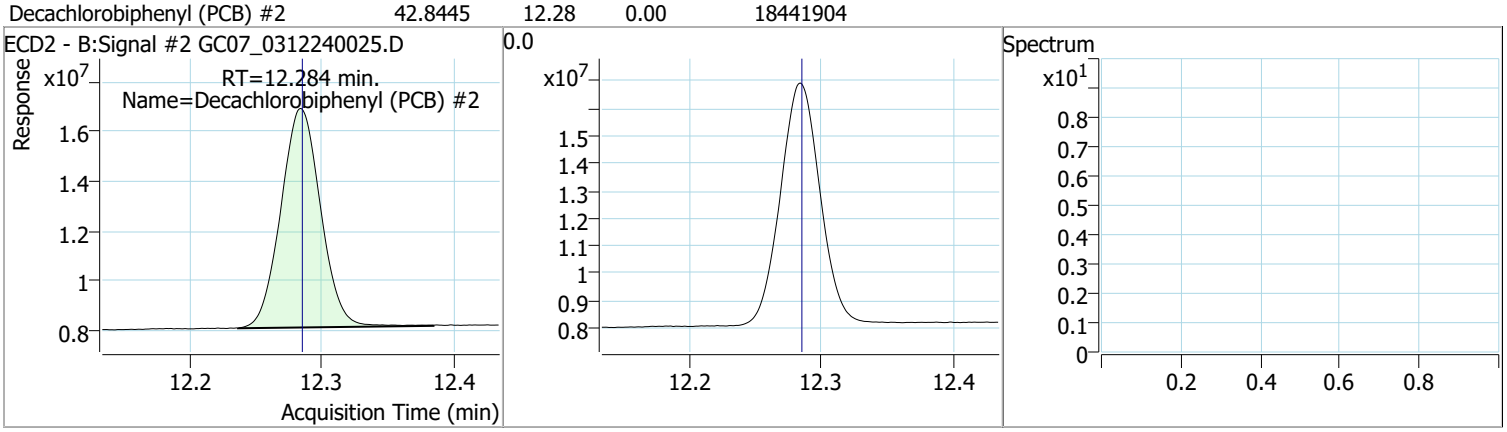
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	548.7676	10.97	0.00	18846975				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.0023	11.19	0.00	125610528				

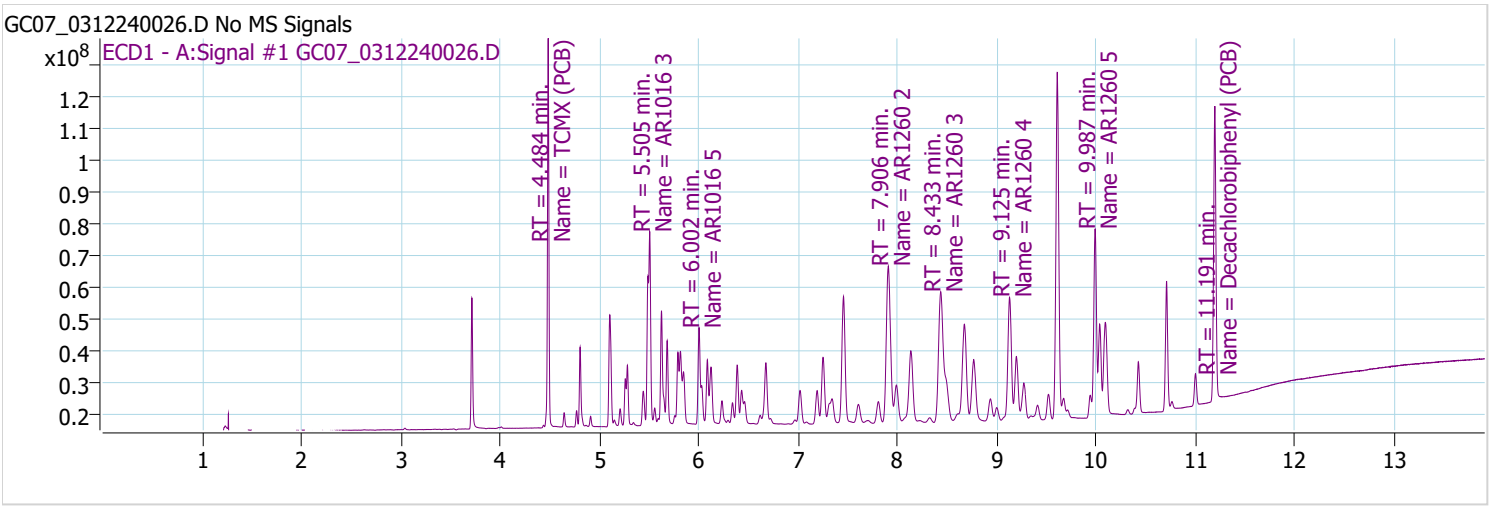


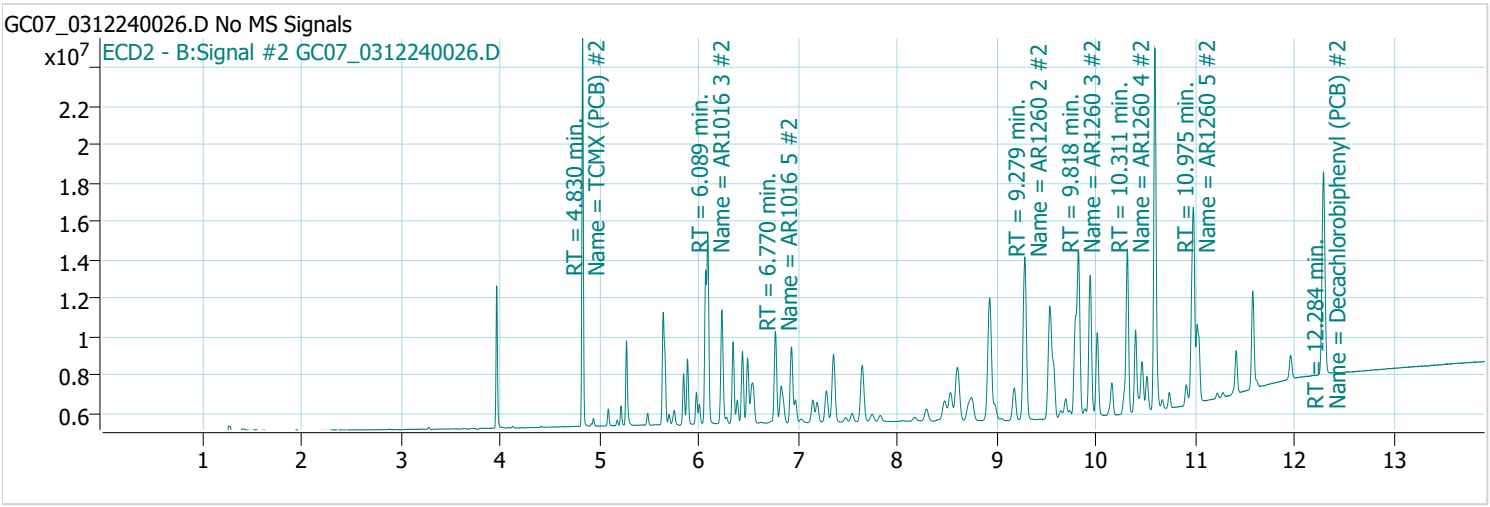
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	42.8445	12.28	0.00	18441904				



Quantitation Results Report (Not Reviewed)

Data File	GC07_0312240026.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/13/2024 5:07:49 AM
Sample Name	ICAL, S19336	Instrument	SVOA-GC07
Vial	17	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_1.m	Comment	750 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	031224PCBICAL.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



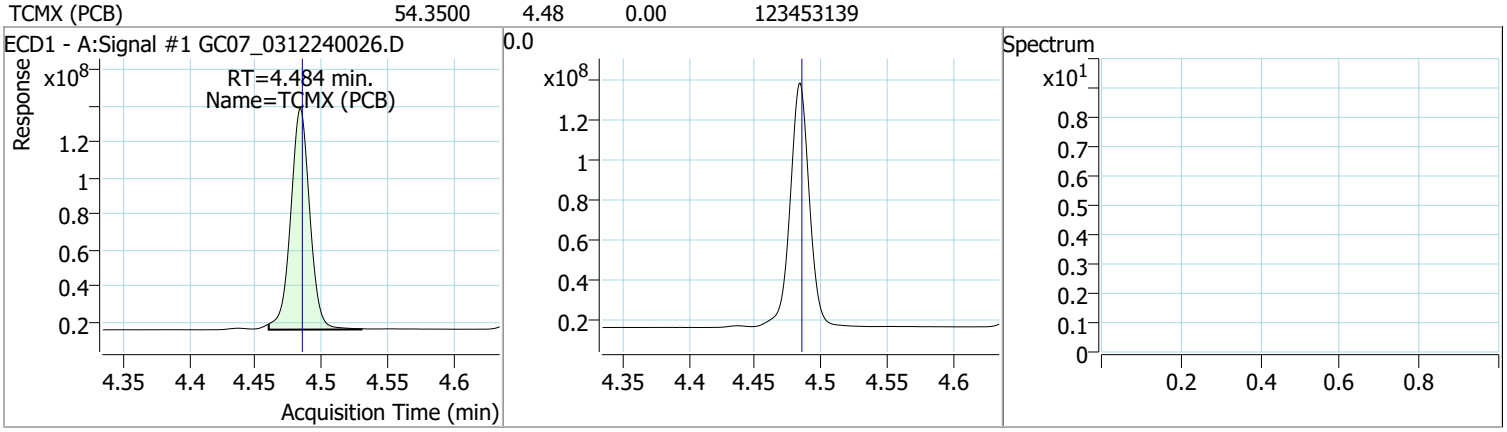


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.716	0.0	44767476.124	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.966	0.0	7589132.622	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.484	0.0	123453139.370	54.3500	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 271.75%		*	
S TCMX (PCB) #2	4.830	0.0	20830432.313	54.5740	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 272.87%		*	
S Decachlorobiphenyl (PCB)	11.191	0.0	151852123.026	52.7643	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 263.82%		*	
S Decachlorobiphenyl (PCB) #2	12.284	0.0	22070919.038	52.8213	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 264.11%		*	
Target Compounds							QValue

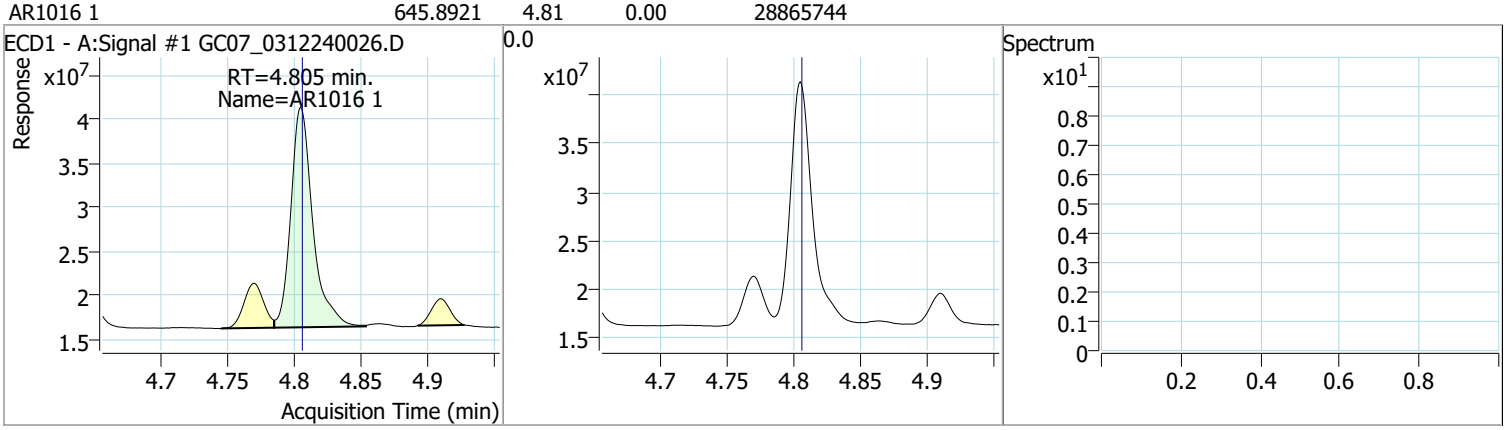
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.805	0.0	28865744.484	645.8921	ng/ml		100
T AR1016 2	5.103	0.0	54406881.254	657.2044	ng/ml		100
T AR1016 1 #2	5.272	0.0	5441552.592	671.1240	ng/ml		100
T AR1016 3	5.505	0.0	77233203.055	673.0127	ng/ml	m	100
T AR1016 4	5.624	0.0	51104602.574	667.5656	ng/ml		100
T AR1016 2 #2	5.642	0.0	11009779.266	653.3130	ng/ml		100
T AR1016 5	6.002	0.0	43612793.559	674.8638	ng/ml	m	100
T AR1016 3 #2	6.089	0.0	13666712.900	624.3717	ng/ml	m	100
T AR1016 4 #2	6.232	0.0	9772433.172	674.1042	ng/ml		100
T AR1016 5 #2	6.770	0.0	8302531.679	674.1128	ng/ml		100
T AR1260 1	7.455	0.0	89929522.067	664.8480	ng/ml		100
T AR1260 2	7.906	0.0	143997831.115	658.2878	ng/ml		100
T AR1260 3	8.433	0.0	165952535.350	690.7615	ng/ml		100
T AR1260 1 #2	8.925	0.0	18646861.876	659.4597	ng/ml		100
T AR1260 4	9.125	0.0	89721079.712	666.1658	ng/ml		100
T AR1260 2 #2	9.279	0.0	19642316.340	643.3987	ng/ml		100
T AR1260 3 #2	9.818	0.0	24905286.562	667.5171	ng/ml		100
T AR1260 5	9.987	0.0	112468521.095	696.5358	ng/ml		100
T AR1260 4 #2	10.311	0.0	16265461.002	675.8072	ng/ml		100
T AR1260 5 #2	10.975	0.0	22718877.037	681.4485	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

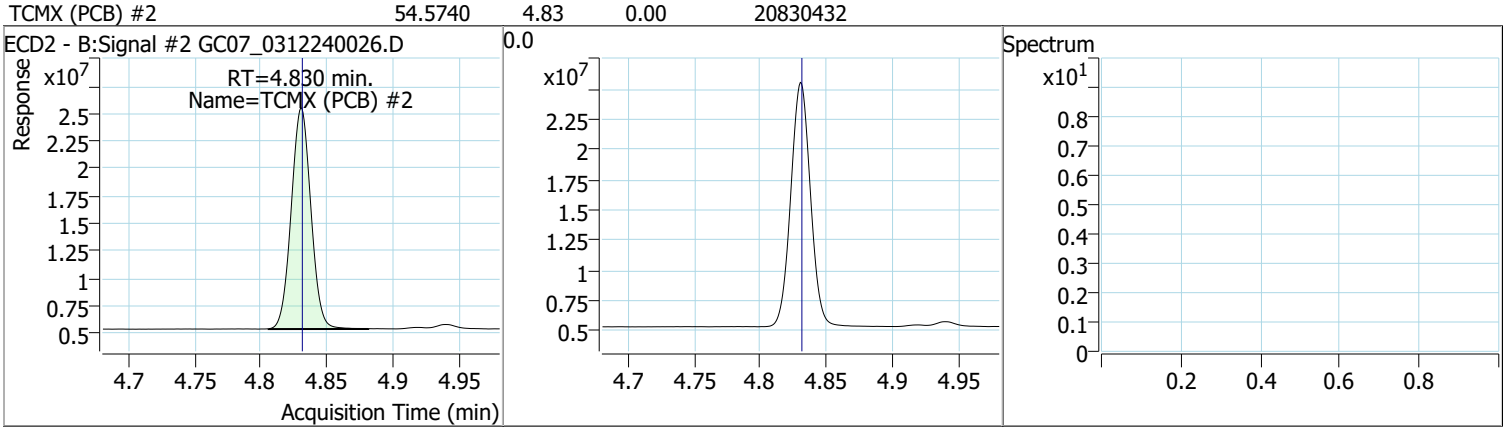
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	54.3500	4.48	0.00	123453139				



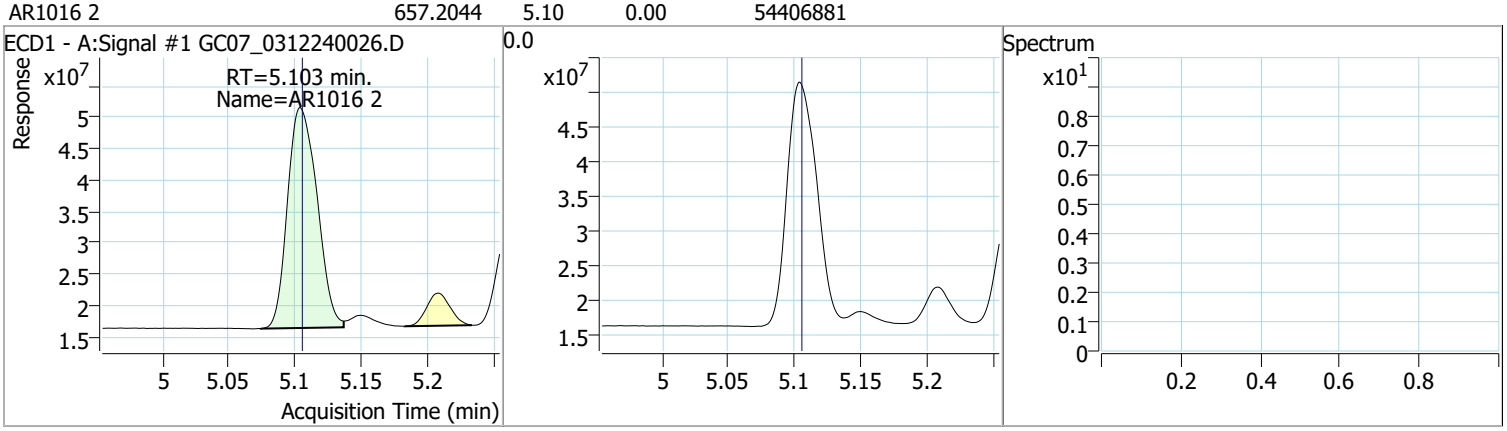
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	645.8921	4.81	0.00	28865744				



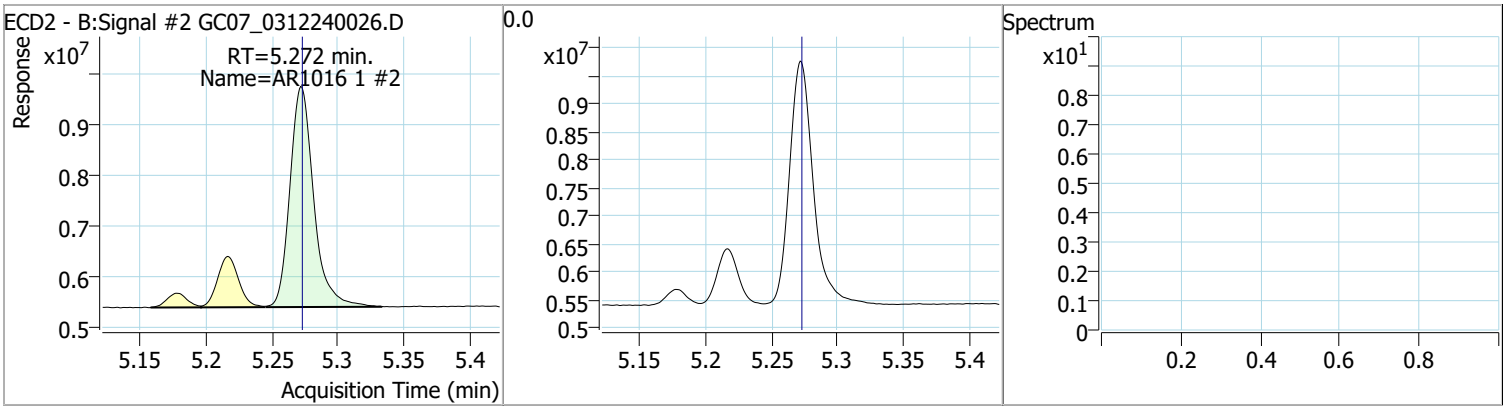
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	54.5740	4.83	0.00	20830432				



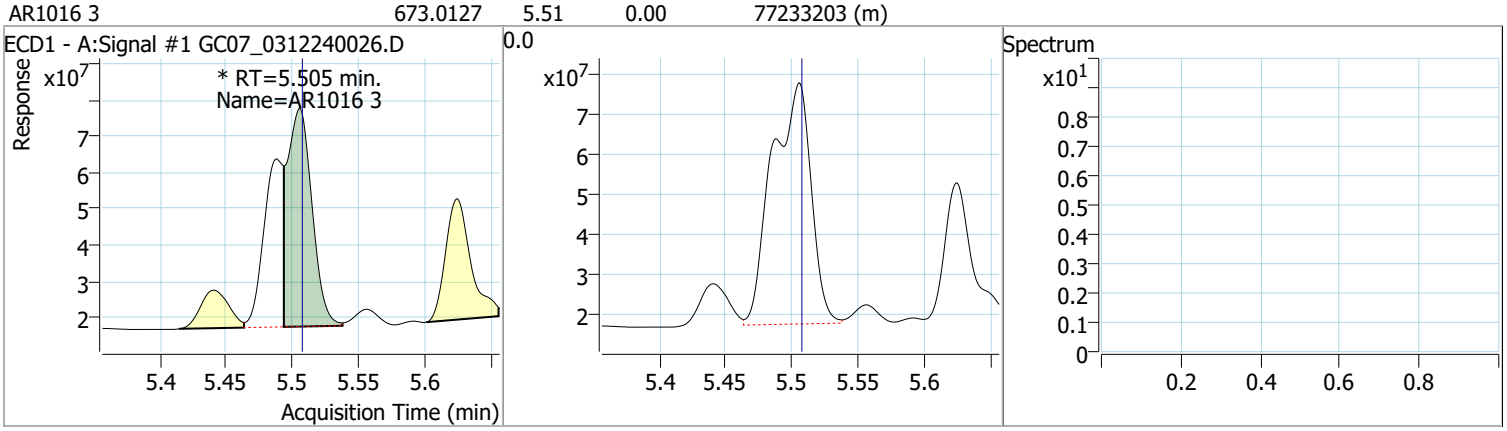
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	657.2044	5.10	0.00	54406881				



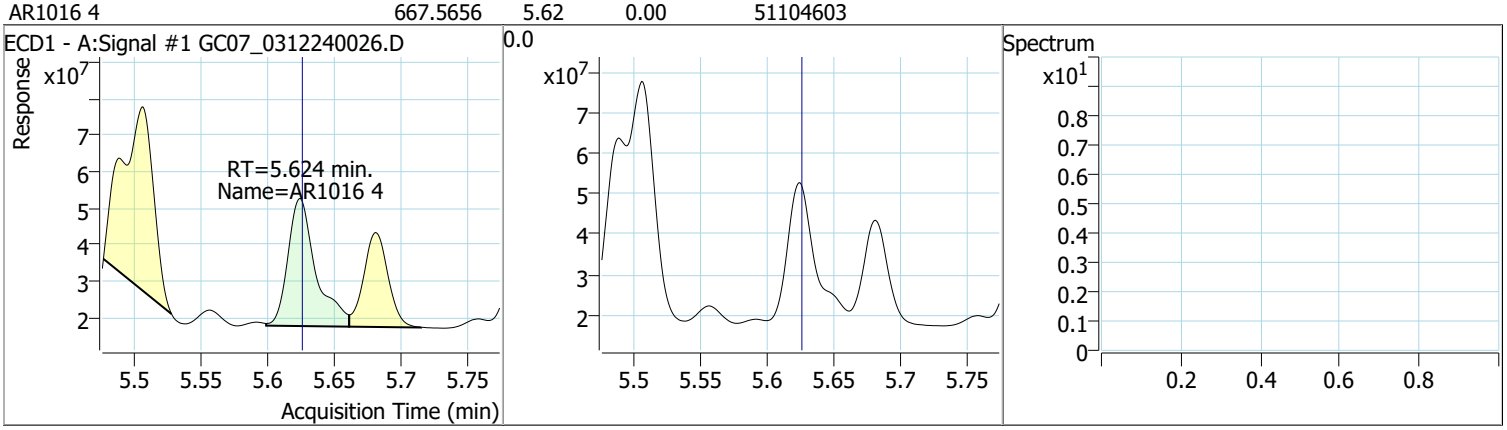
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	671.1240	5.27	0.00	5441553				



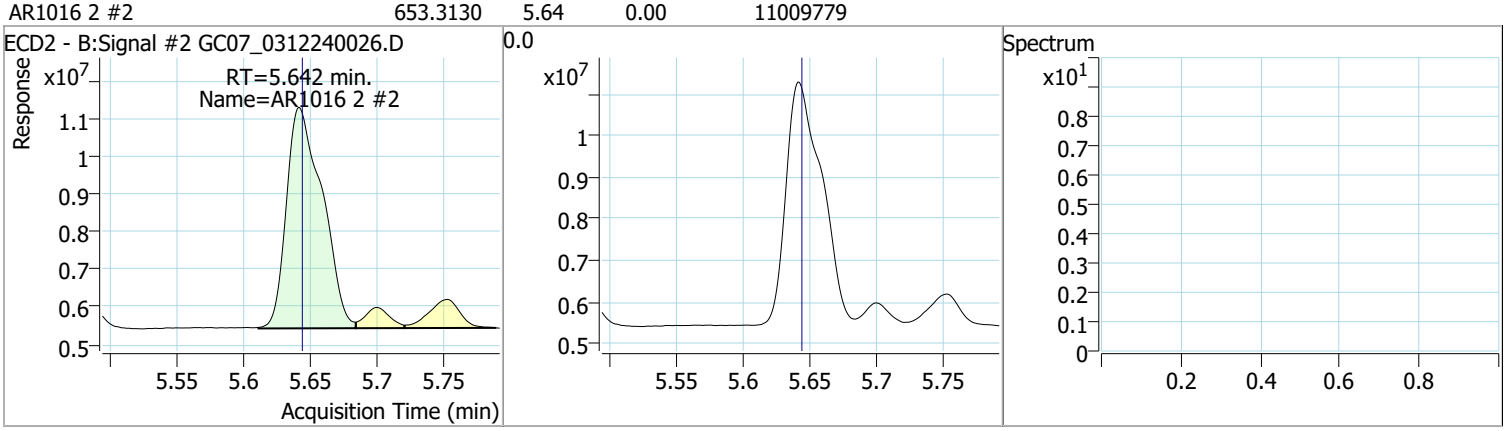
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	673.0127	5.51	0.00	77233203 (m)				



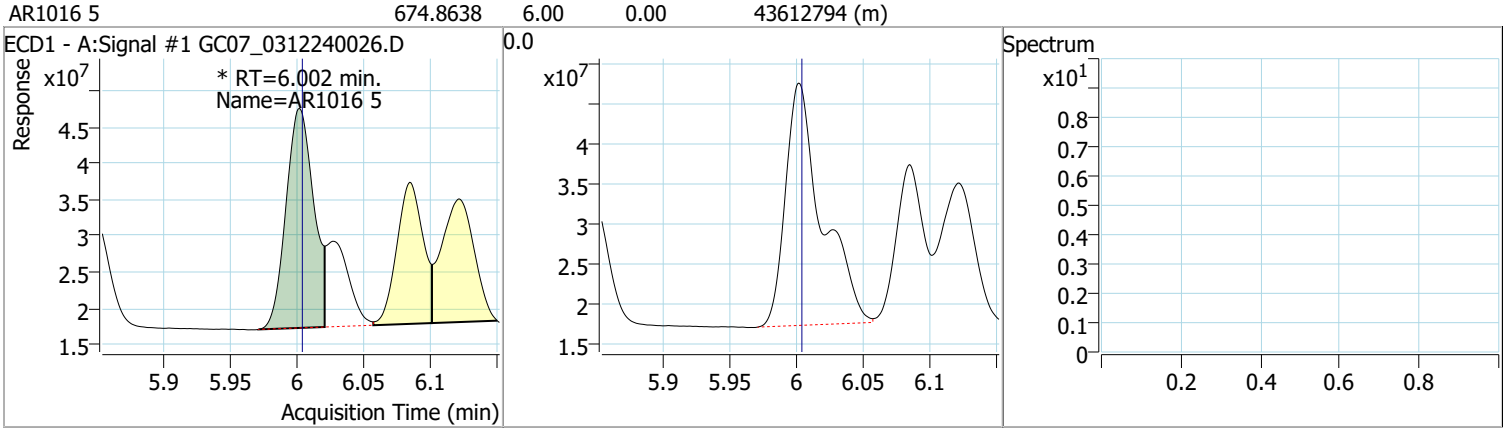
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	667.5656	5.62	0.00	51104603				



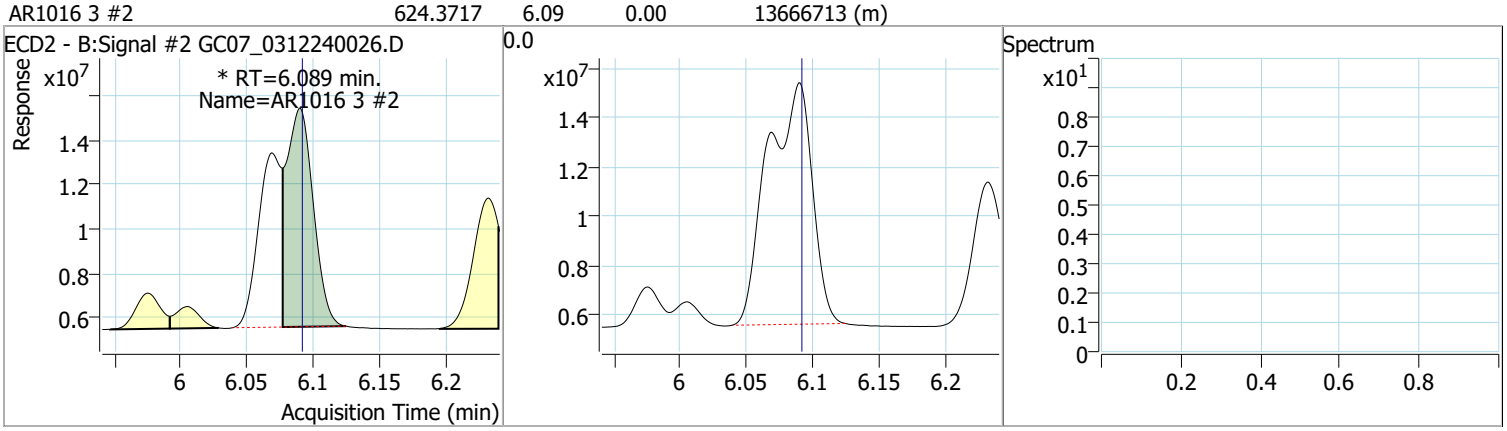
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AR1016 2 #2	653.3130	5.64	0.00	11009779				



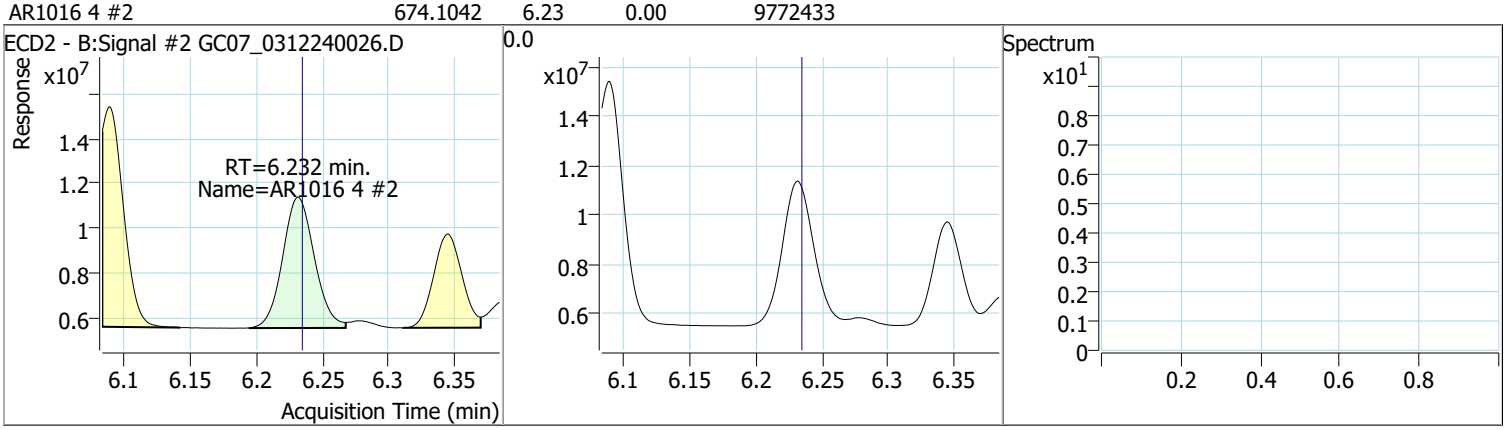
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	674.8638	6.00	0.00	43612794 (m)				



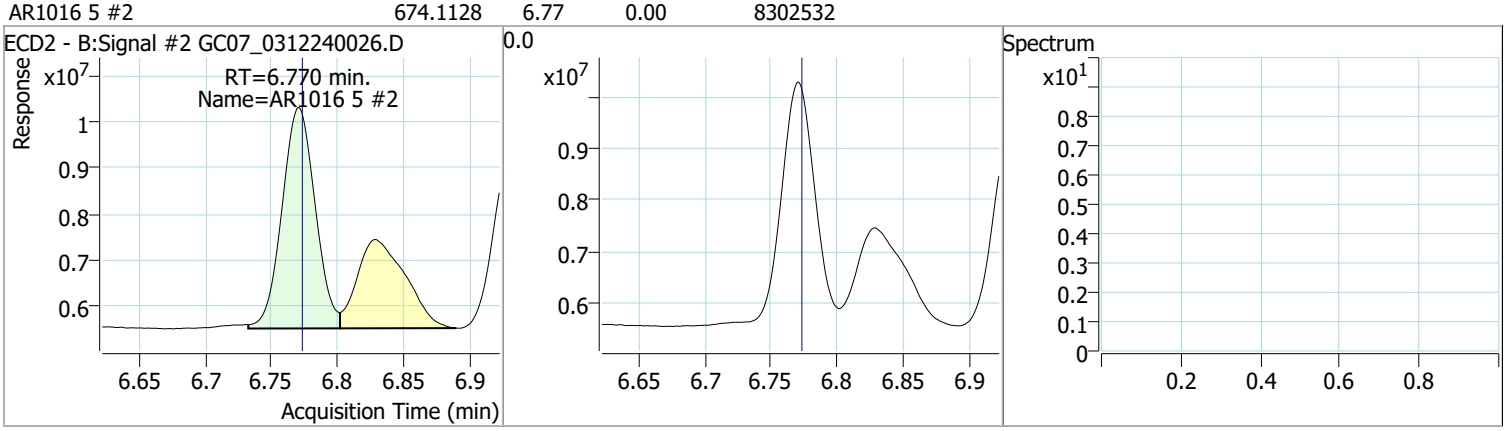
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	624.3717	6.09	0.00	13666713 (m)				



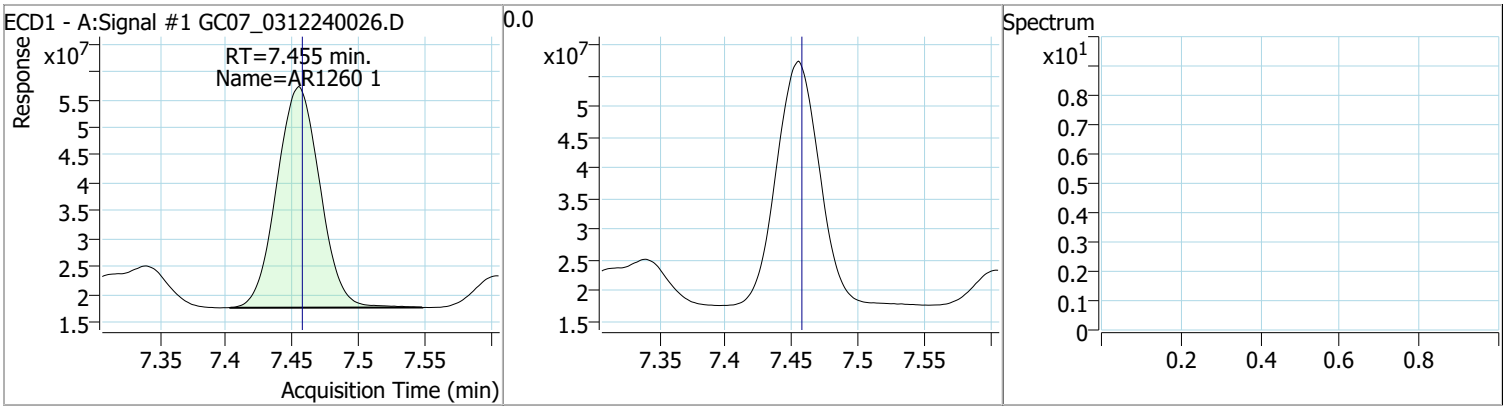
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AR1016 4 #2	674.1042	6.23	0.00	9772433				



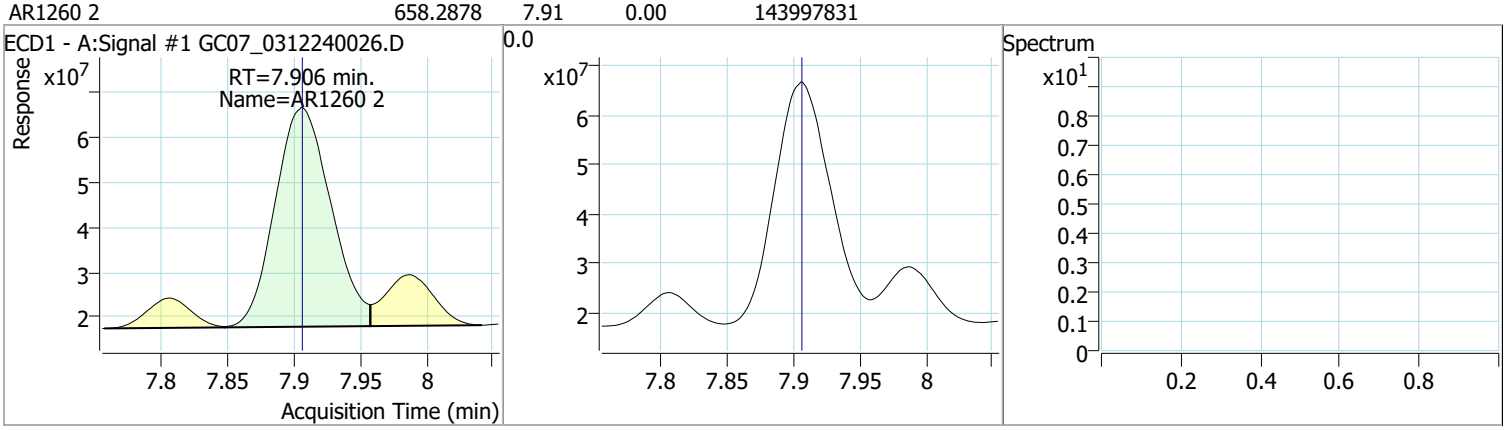
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	674.1128	6.77	0.00	8302532				



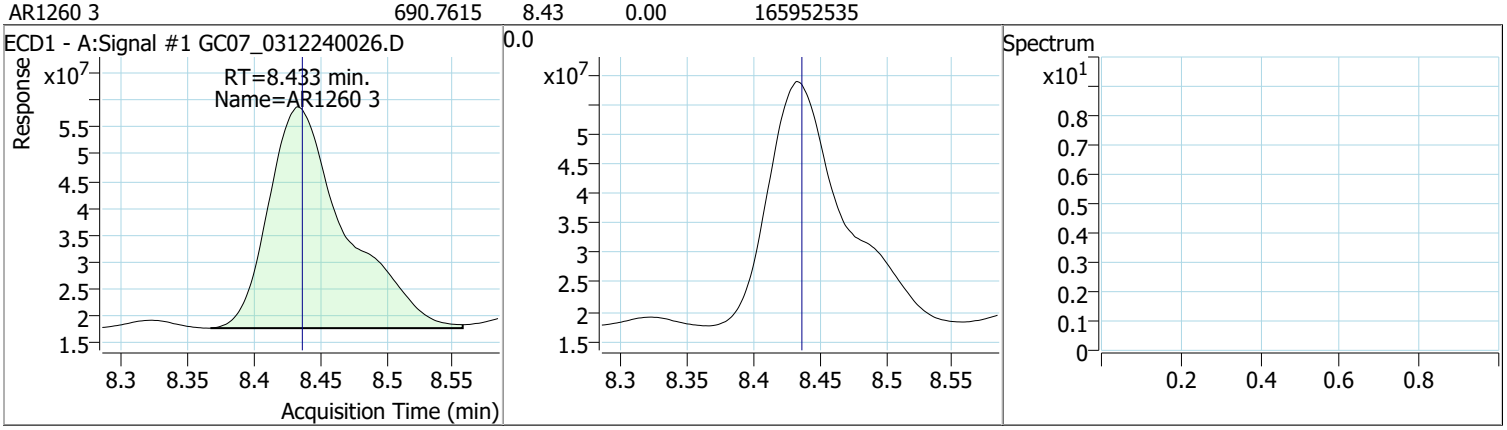
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	664.8480	7.46	0.00	89929522				



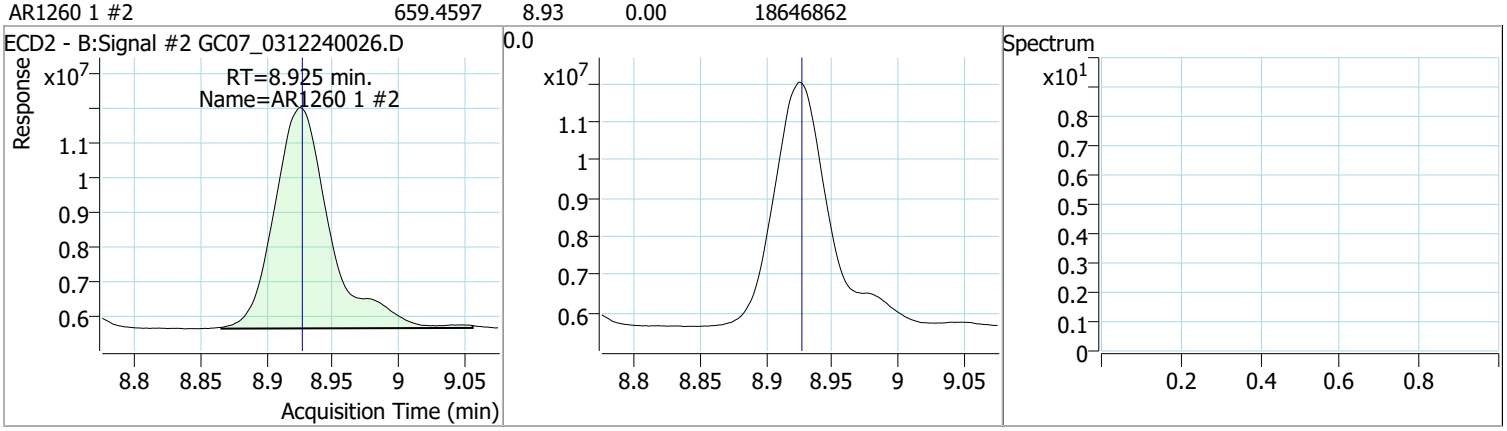
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	658.2878	7.91	0.00	143997831				



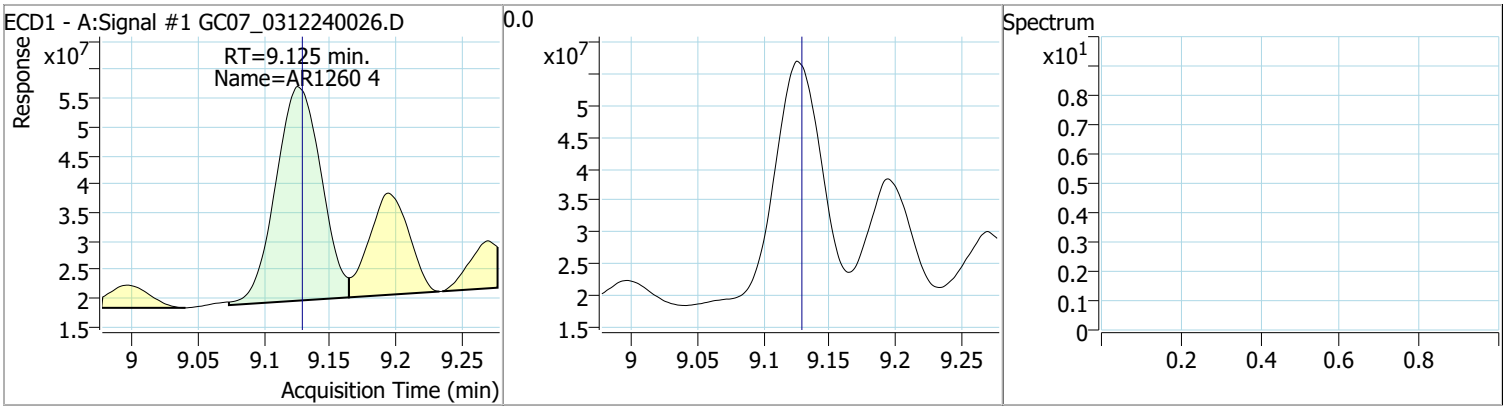
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	690.7615	8.43	0.00	165952535				



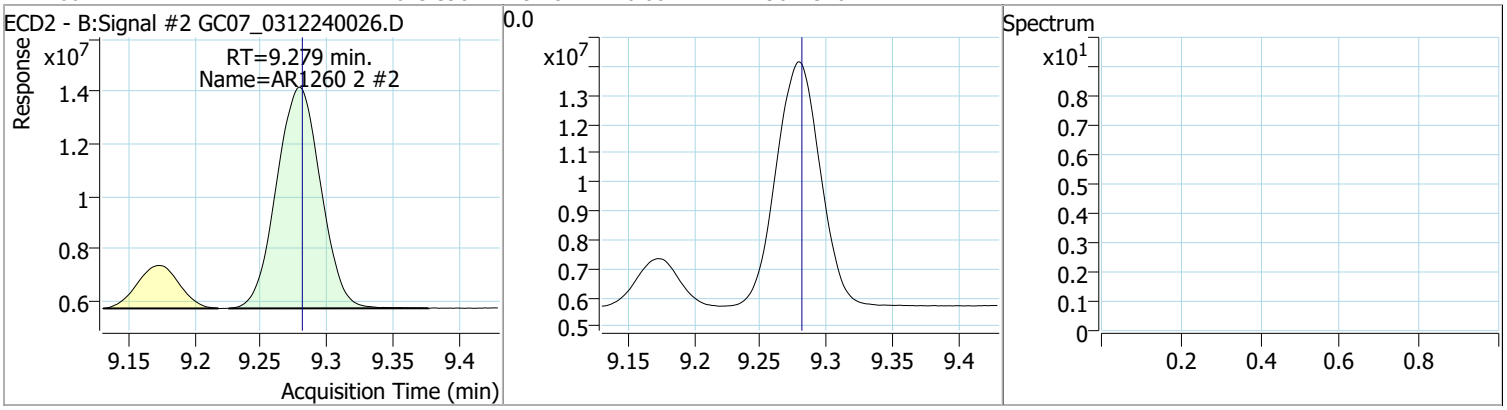
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	659.4597	8.93	0.00	18646862				



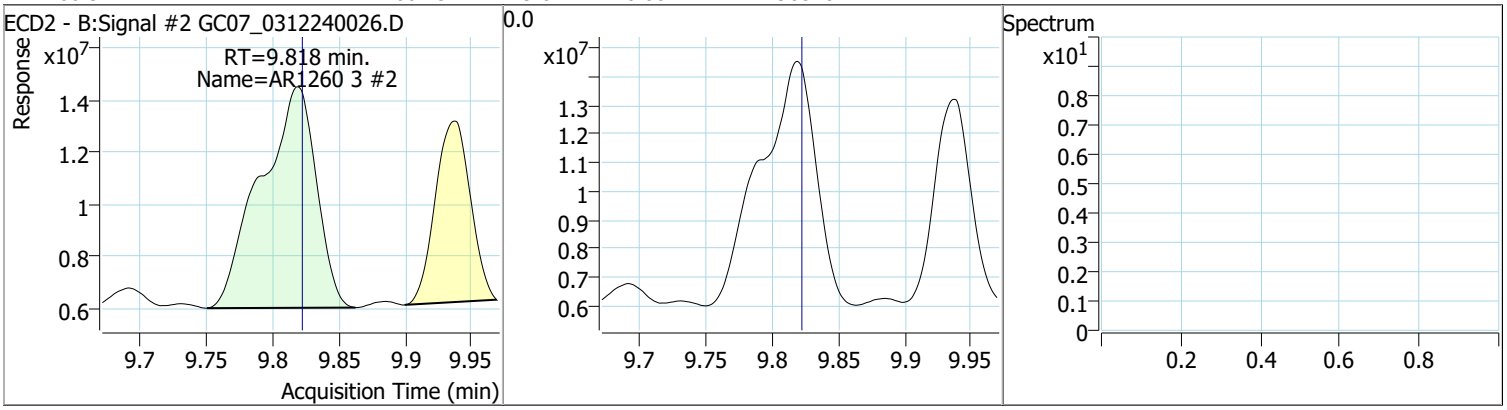
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	666.1658	9.13	0.00	89721080				



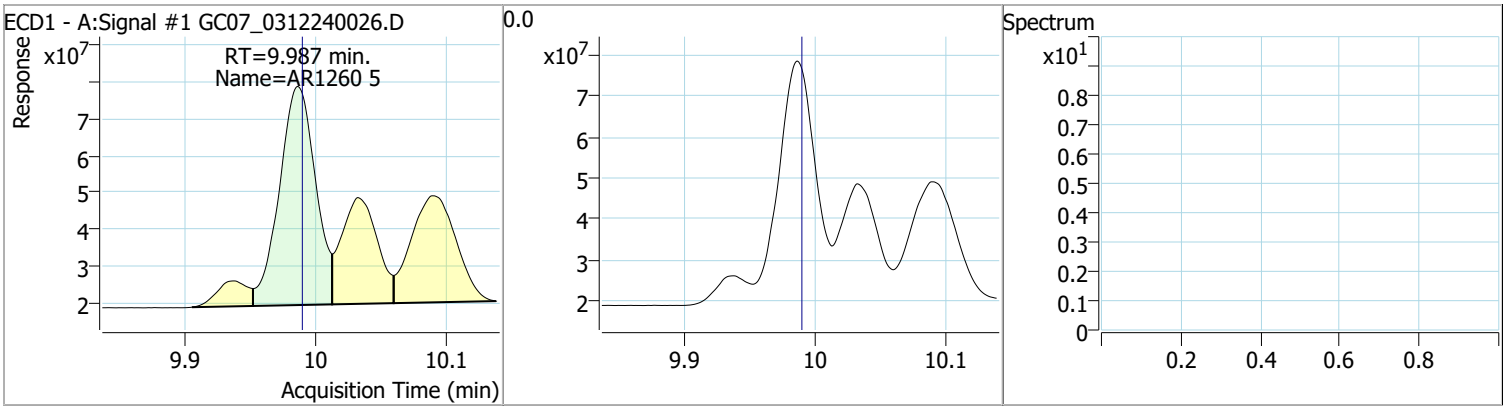
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	643.3987	9.28	0.00	19642316				



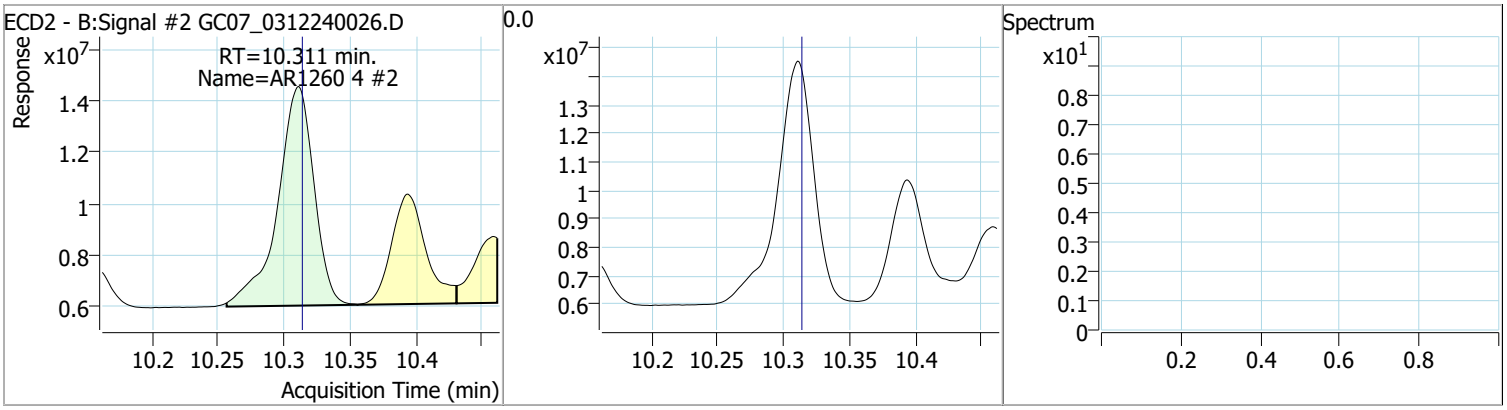
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	667.5171	9.82	0.00	24905287				



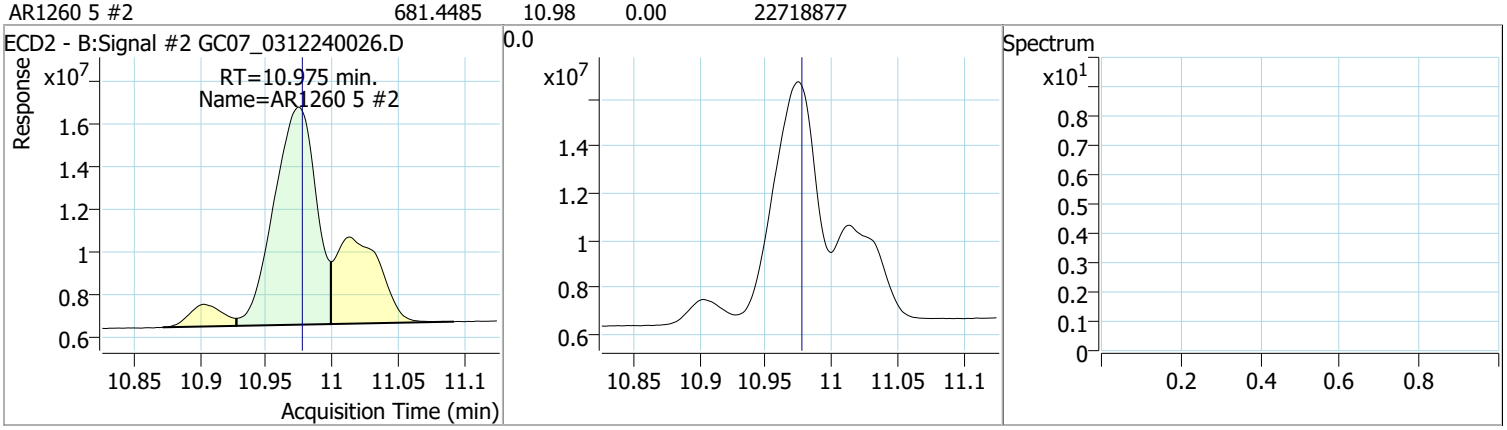
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	696.5358	9.99	0.00	112468521				



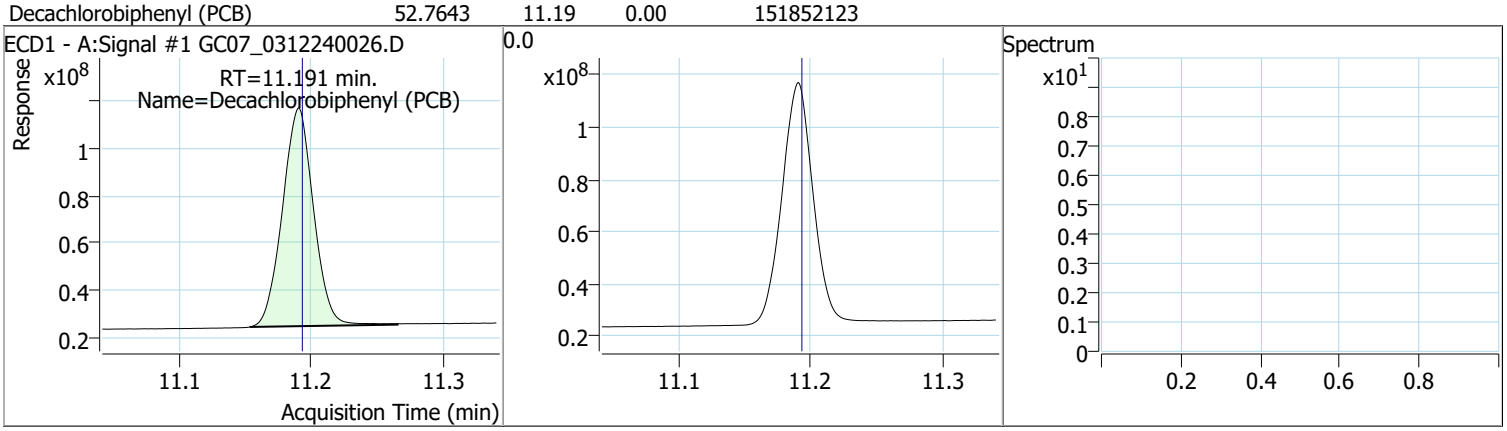
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	675.8072	10.31	0.00	16265461				



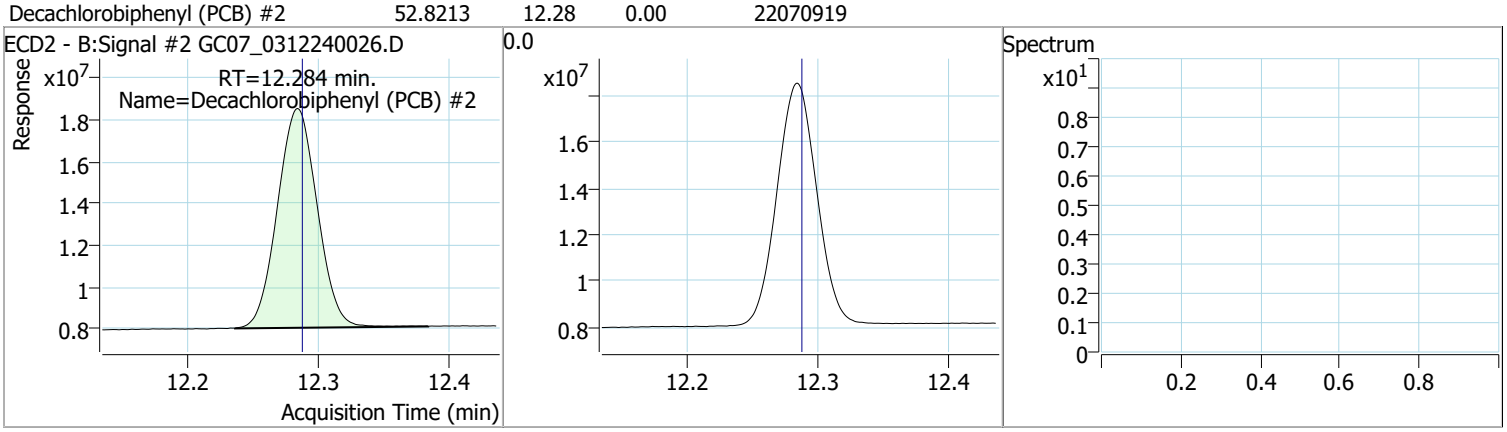
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	681.4485	10.98	0.00	22718877				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	52.7643	11.19	0.00	151852123				

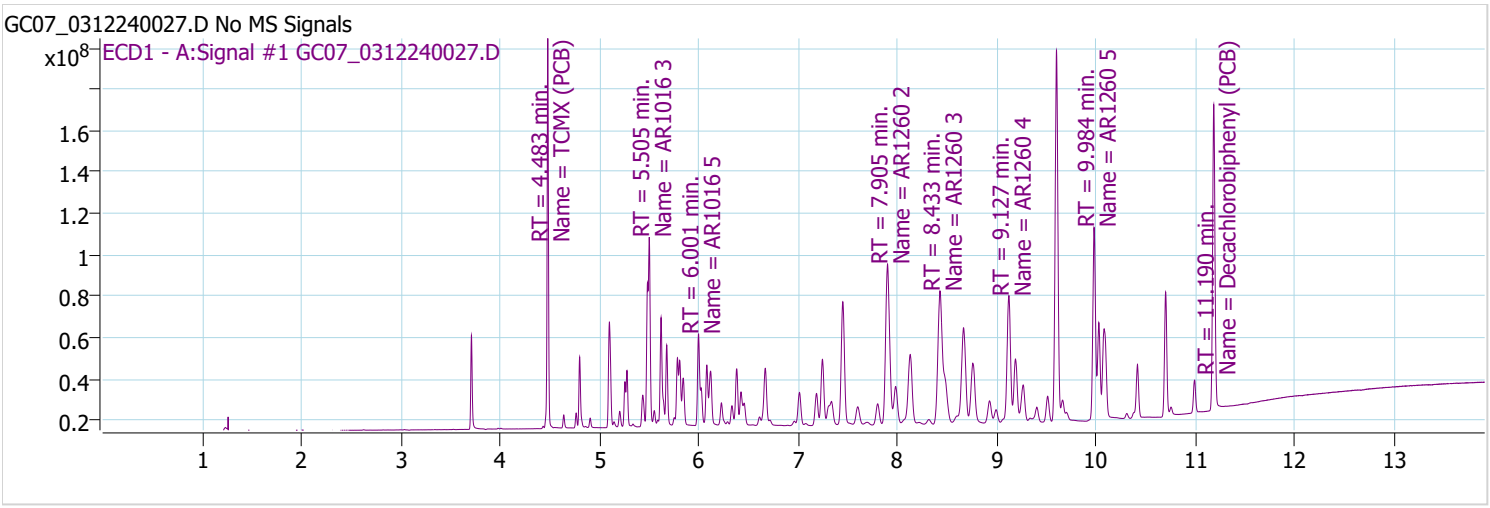


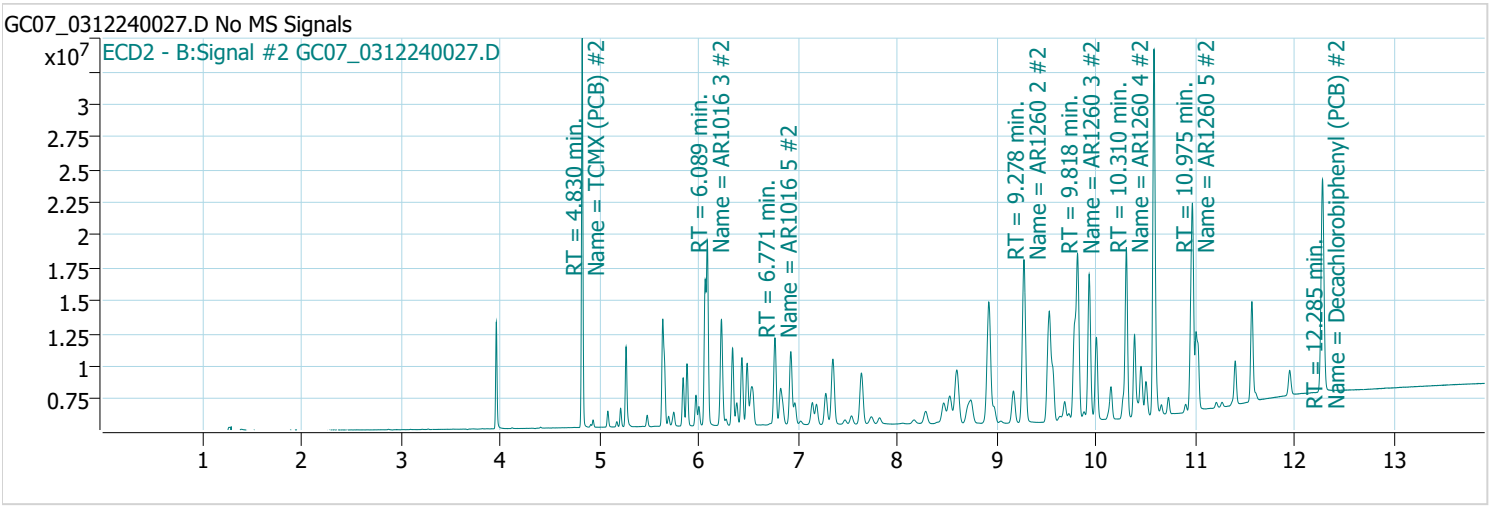
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	52.8213	12.28	0.00	22070919				



Quantitation Results Report (Not Reviewed)

Data File	GC07_0312240027.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/13/2024 5:28:39 AM
Sample Name	ICAL, S19337	Instrument	SVOA-GC07
Vial	18	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_1.m	Comment	1000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	031224PCBICAL.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



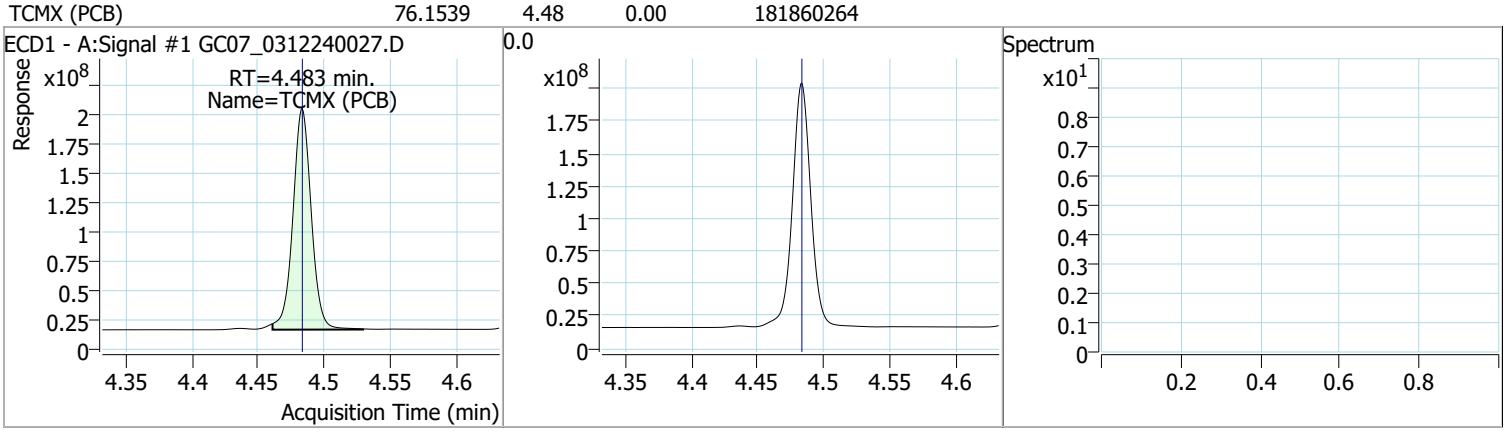


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.714	0.0	47065788.475	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.965	0.0	8057585.185	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.483	0.0	181860264.175	76.1539	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 380.77%		*	
S TCMX (PCB) #2	4.830	0.0	29674556.381	73.2250	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 366.12%		*	
S Decachlorobiphenyl (PCB)	11.190	0.0	243702213.842	80.5445	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 402.72%		*	
S Decachlorobiphenyl (PCB) #2	12.285	0.0	33670927.427	75.8981	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 379.49%		*	
Target Compounds							QValue

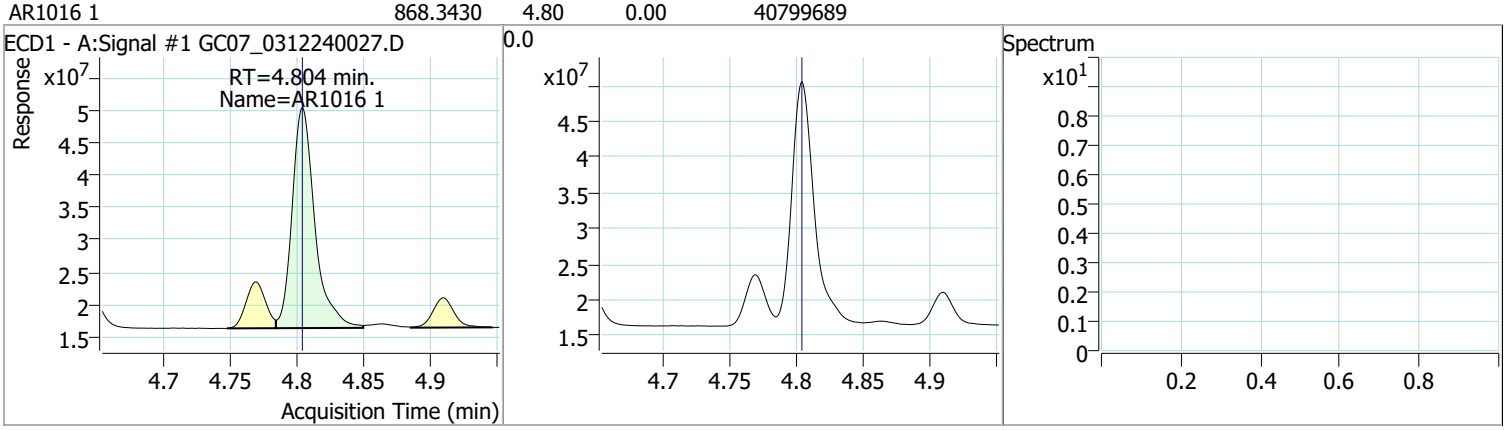
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.804	0.0	40799689.208	868.3430	ng/ml		100
T AR1016 2	5.103	0.0	76350087.424	877.2299	ng/ml		100
T AR1016 1 #2	5.272	0.0	7519644.533	873.5031	ng/ml		100
T AR1016 3	5.505	0.0	114664146.036	950.3949	ng/ml	m	100
T AR1016 4	5.624	0.0	75936107.084	943.4948	ng/ml		100
T AR1016 2 #2	5.641	0.0	15171683.546	847.9372	ng/ml		100
T AR1016 5	6.001	0.0	63921038.640	940.8131	ng/ml	m	100
T AR1016 3 #2	6.089	0.0	19939364.267	857.9810	ng/ml	m	100
T AR1016 4 #2	6.232	0.0	13723903.163	891.6393	ng/ml		100
T AR1016 5 #2	6.771	0.0	11667613.521	892.2598	ng/ml		100
T AR1260 1	7.454	0.0	133260752.718	937.0864	ng/ml		100
T AR1260 2	7.905	0.0	216955524.443	943.3826	ng/ml		100
T AR1260 3	8.433	0.0	251716984.200	996.5843	ng/ml		100
T AR1260 1 #2	8.924	0.0	26628209.967	886.9756	ng/ml		100
T AR1260 4	9.127	0.0	139044355.939	981.9706	ng/ml		100
T AR1260 2 #2	9.278	0.0	28580505.336	881.7483	ng/ml		100
T AR1260 3 #2	9.818	0.0	36474204.300	920.7547	ng/ml		100
T AR1260 5	9.984	0.0	172576030.870	1016.6003	ng/ml		100
T AR1260 4 #2	10.310	0.0	24087562.524	942.6197	ng/ml		100
T AR1260 5 #2	10.975	0.0	33423864.310	944.2567	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

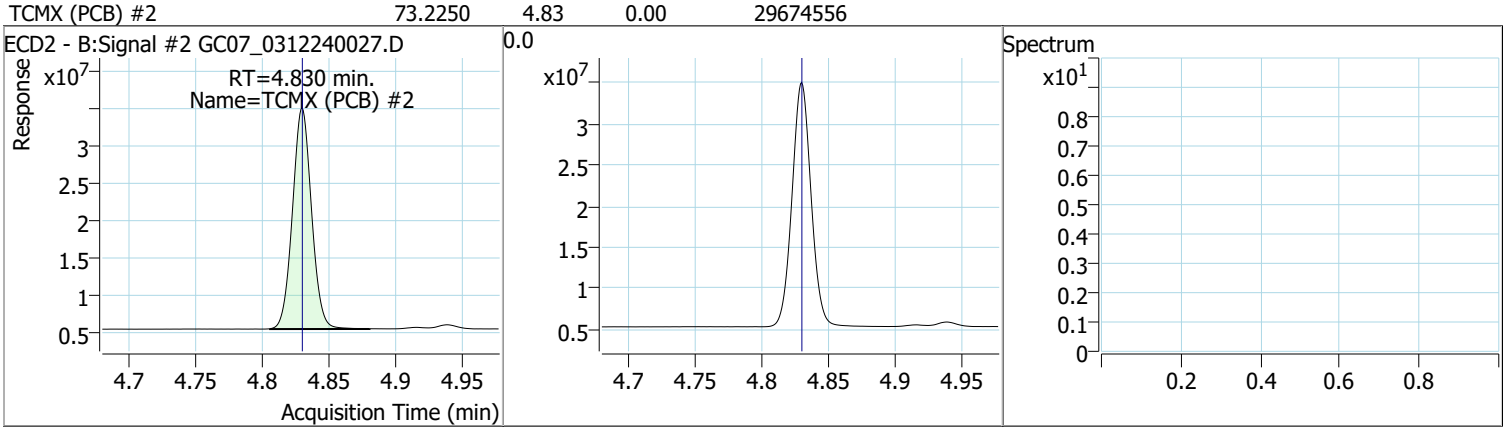
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	76.1539	4.48	0.00	181860264				



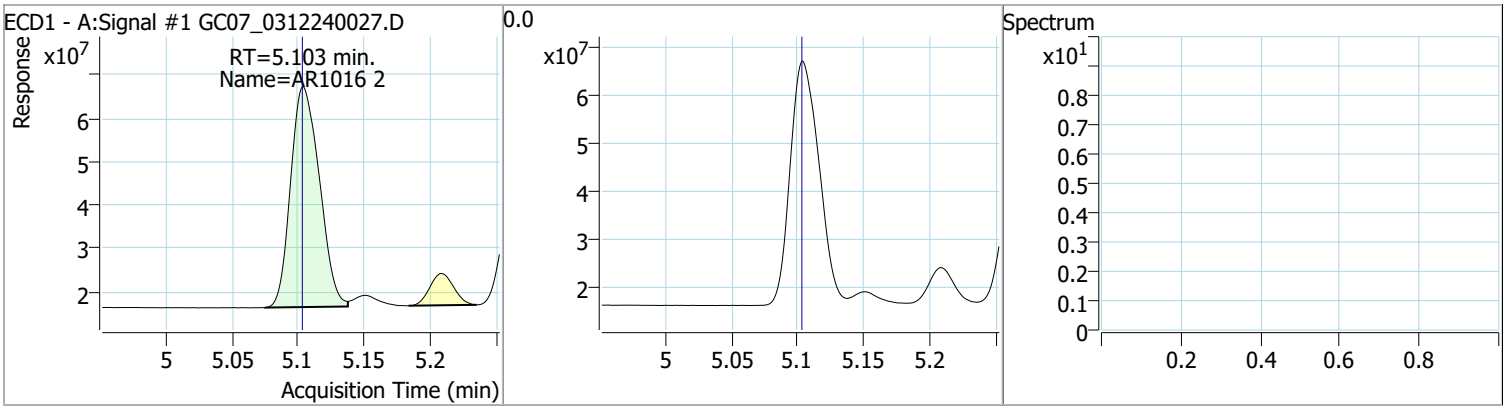
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	868.3430	4.80	0.00	40799689				



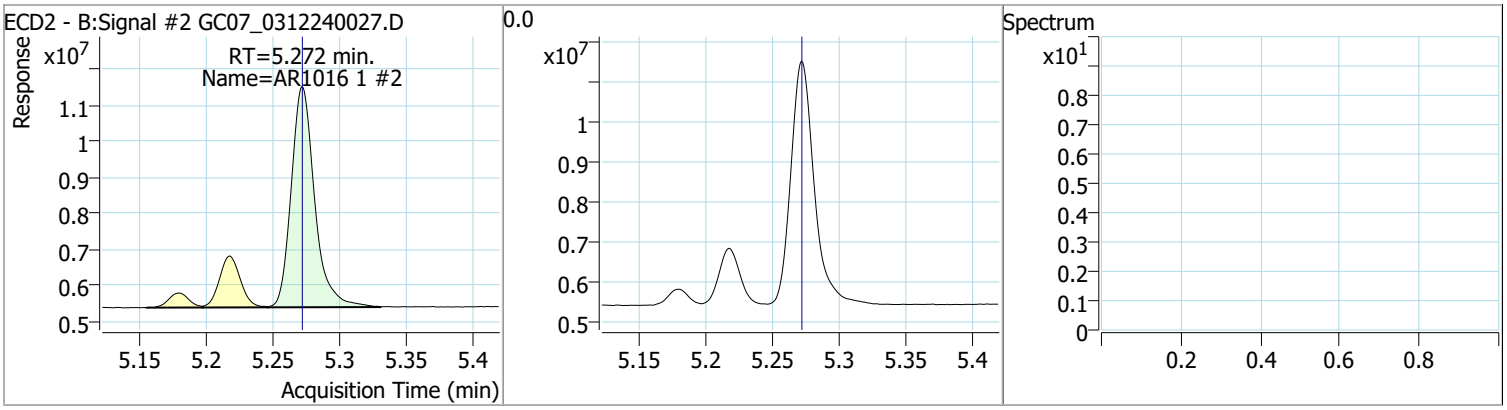
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	73.2250	4.83	0.00	29674556				



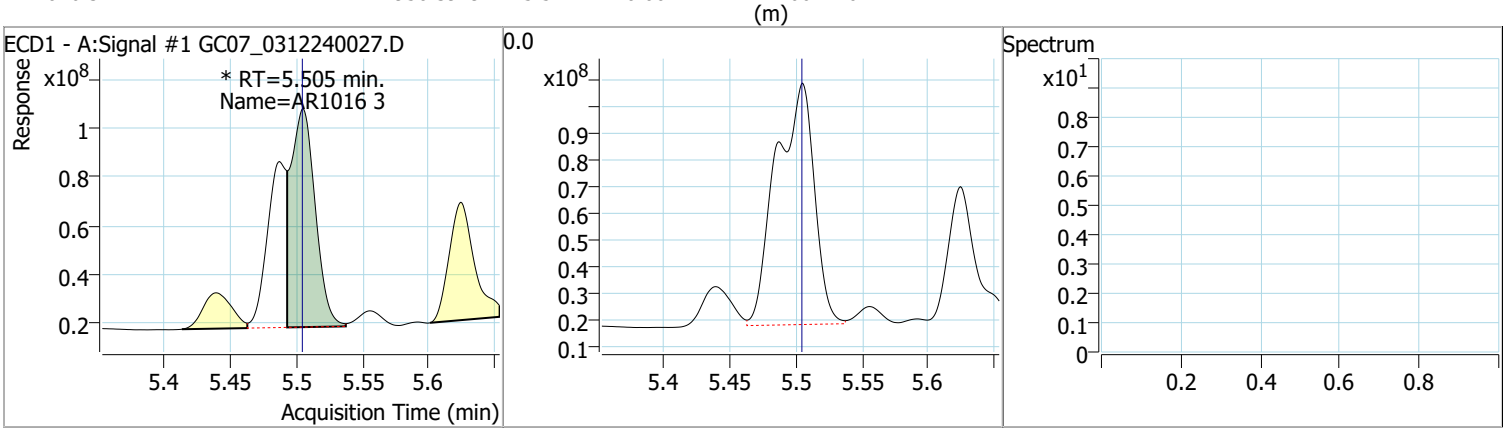
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	877.2299	5.10	0.00	76350087				



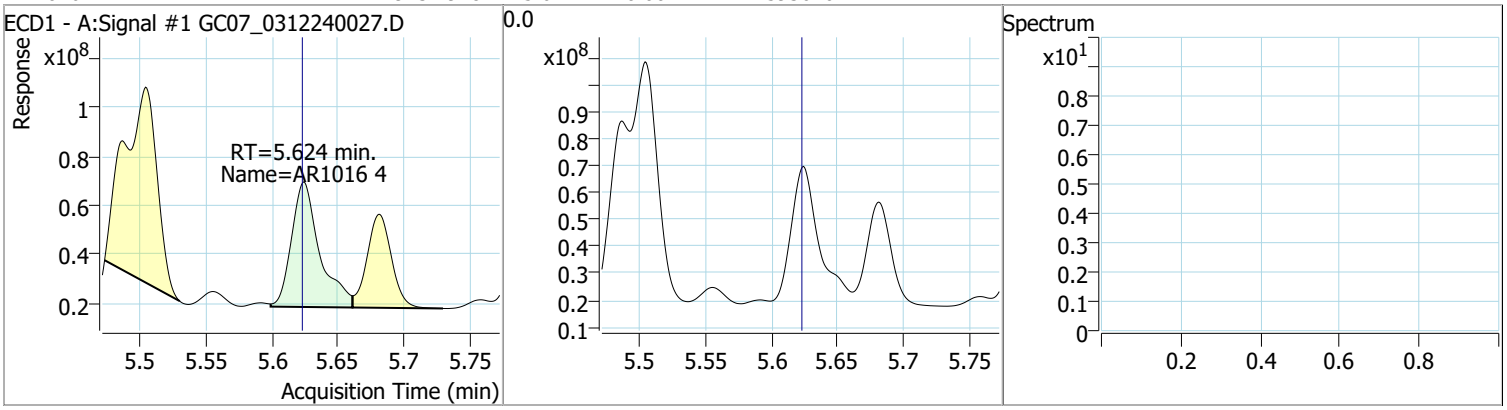
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	873.5031	5.27	0.00	7519645				



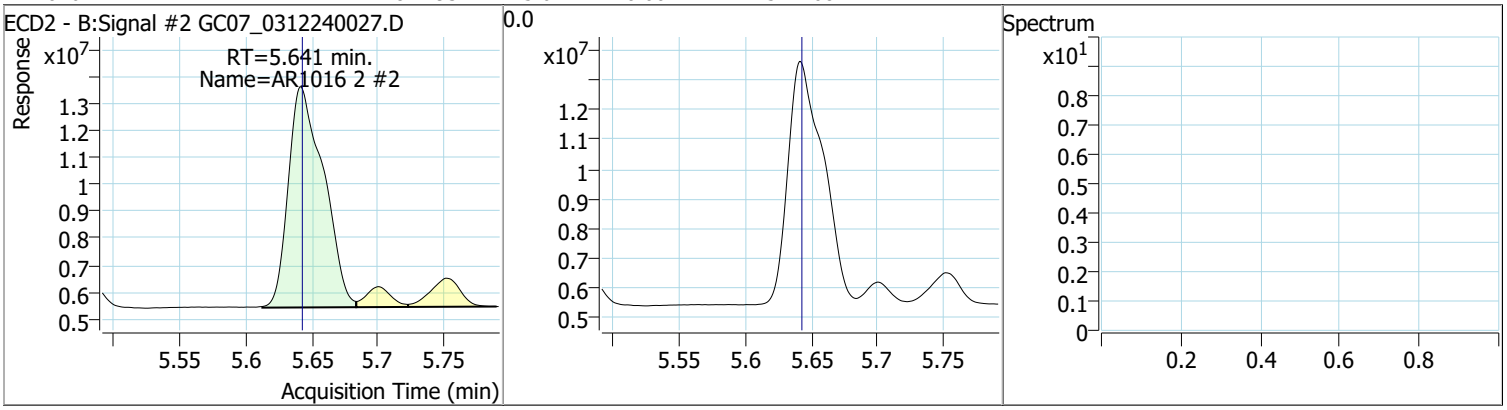
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	950.3949	5.51	0.00	114664146 (m)				



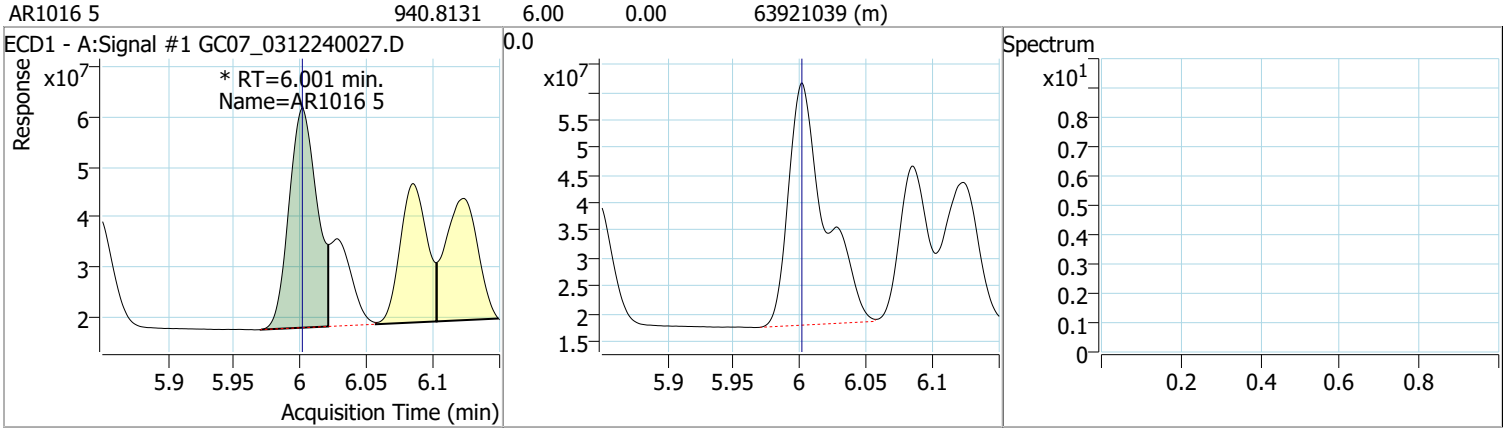
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	943.4948	5.62	0.00	75936107				



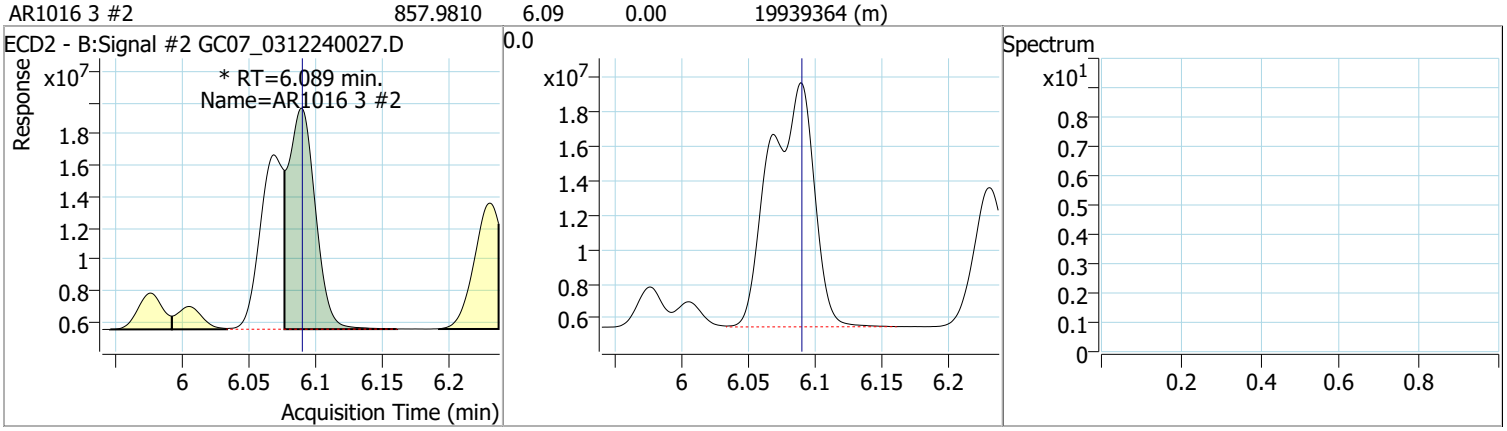
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	847.9372	5.64	0.00	15171684				



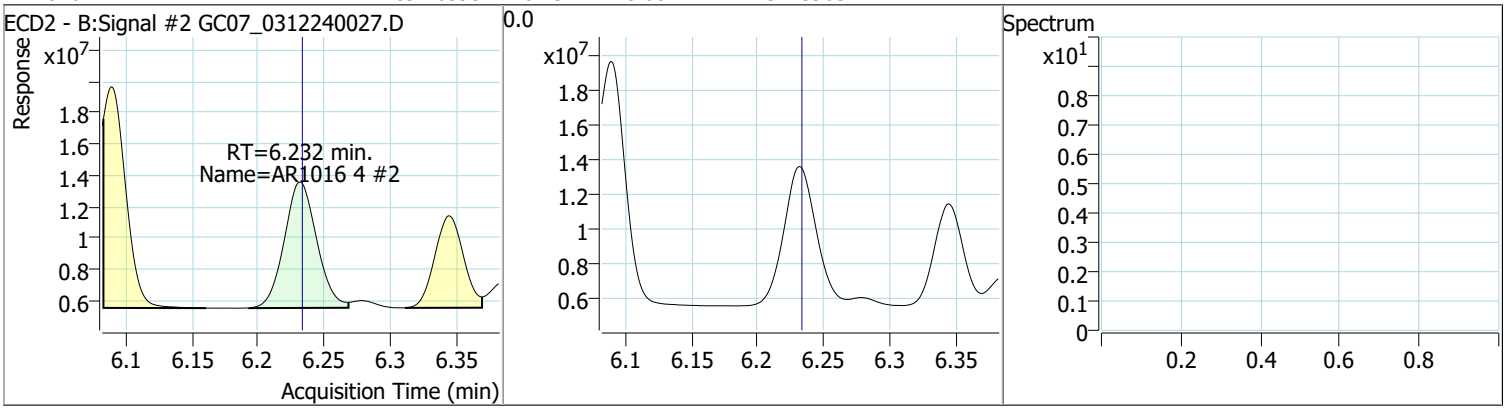
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	940.8131	6.00	0.00	63921039 (m)				



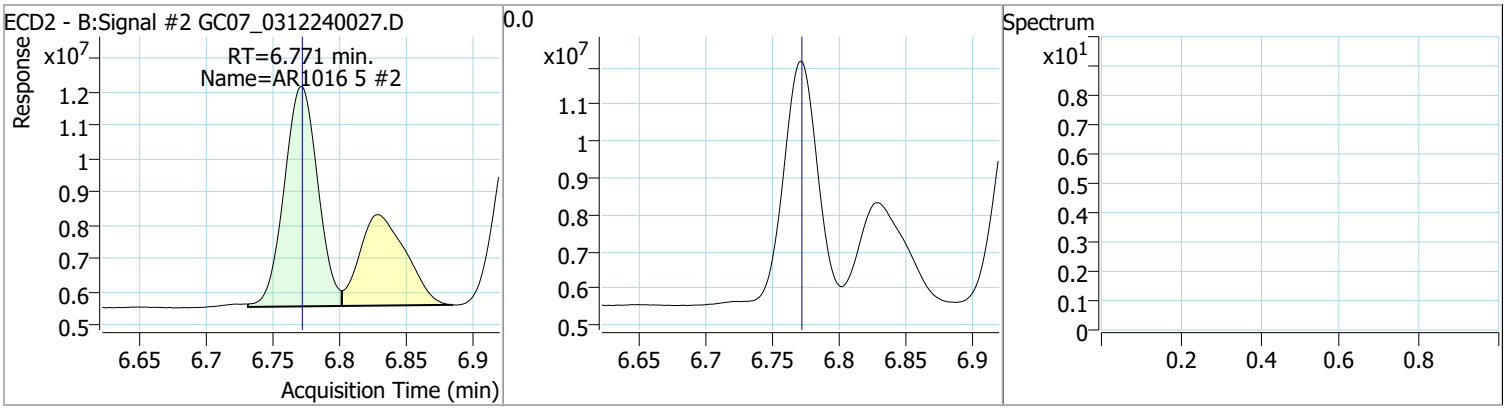
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	857.9810	6.09	0.00	19939364 (m)				



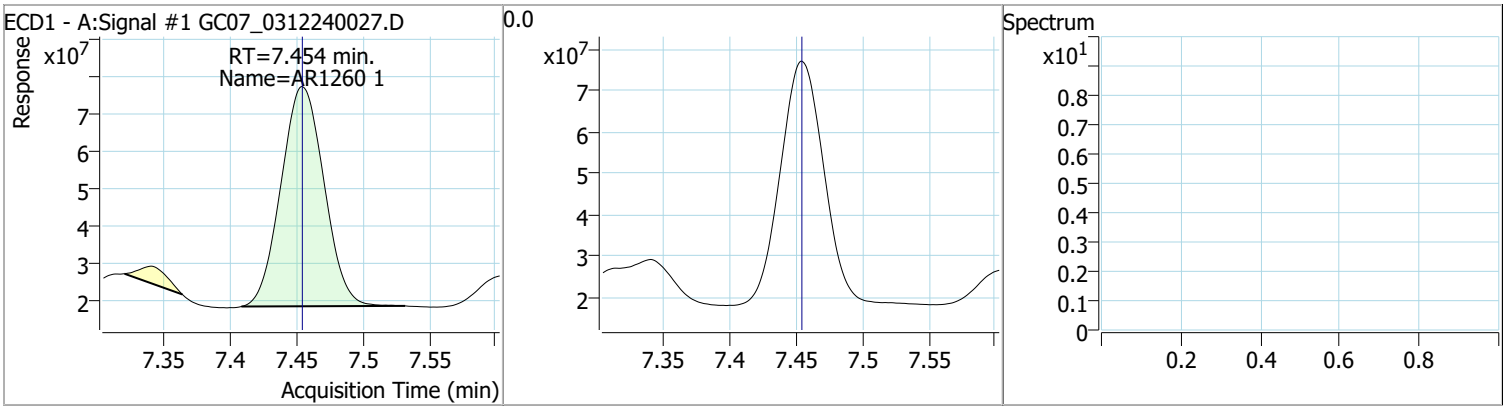
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	891.6393	6.23	0.00	13723903				



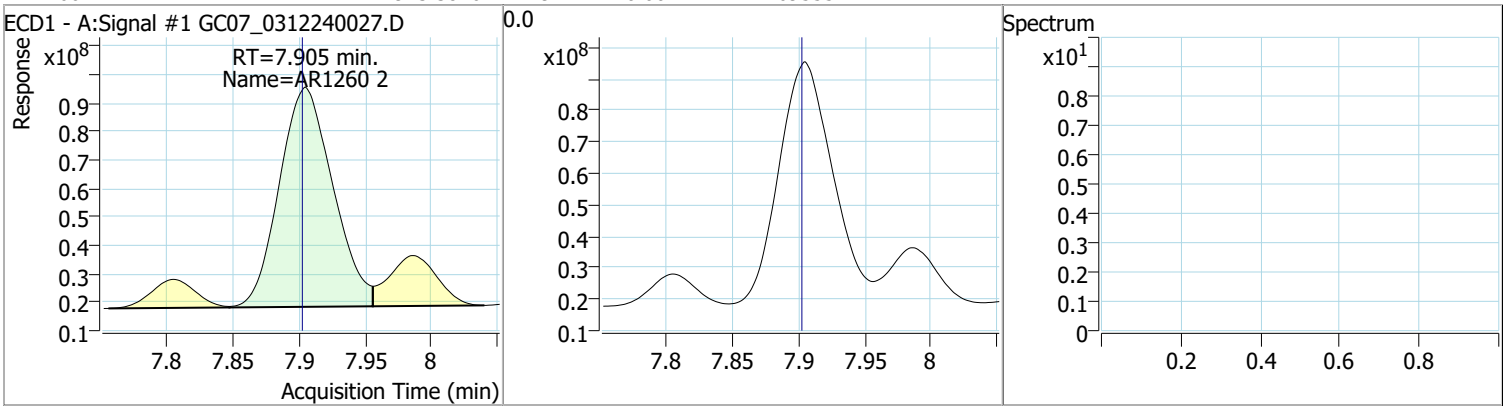
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	892.2598	6.77	0.00	11667614				



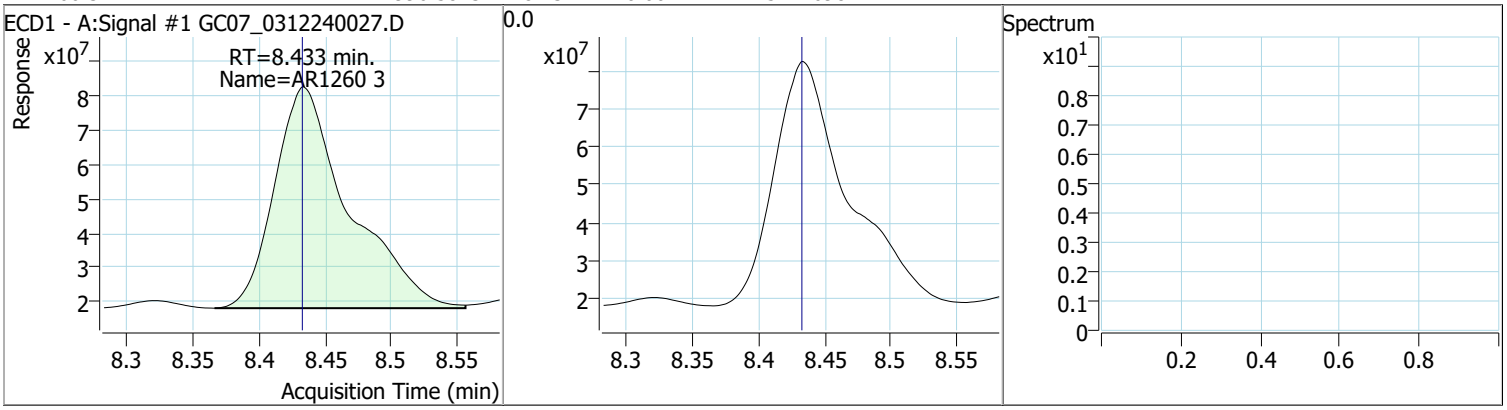
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	937.0864	7.45	0.00	133260753				



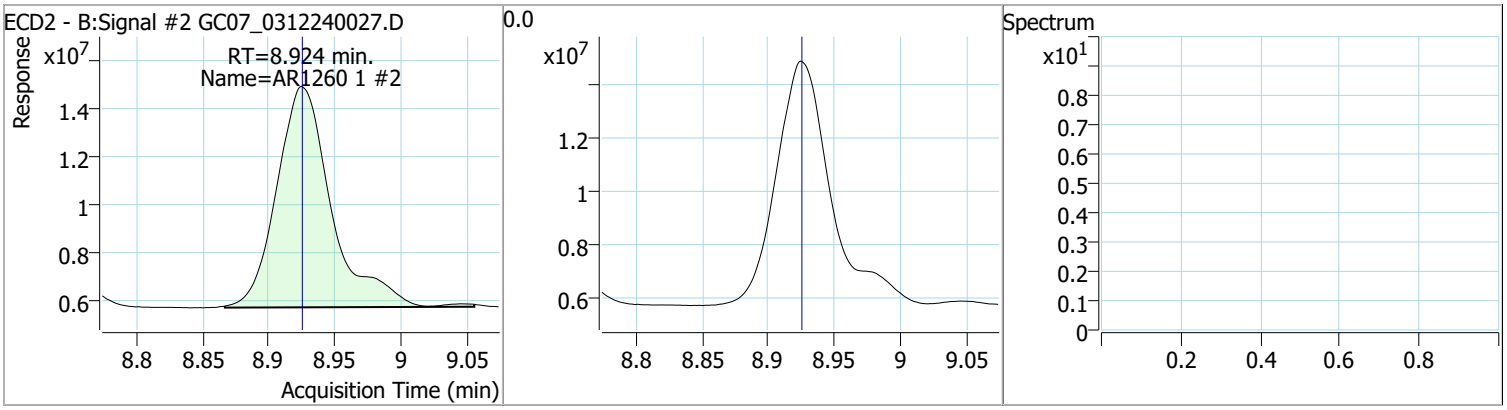
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	943.3826	7.91	0.00	216955524				



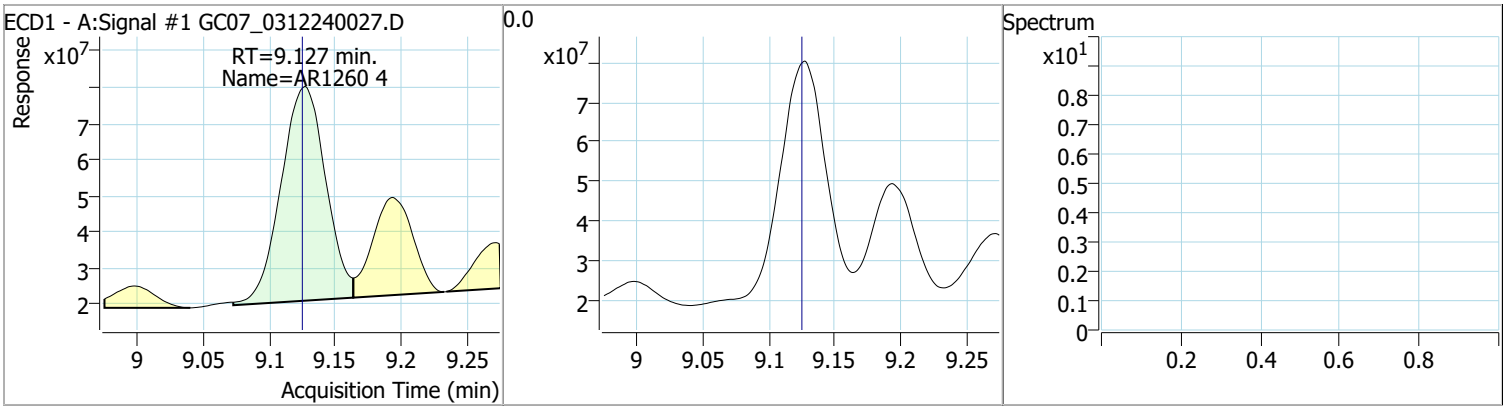
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	996.5843	8.43	0.00	251716984				



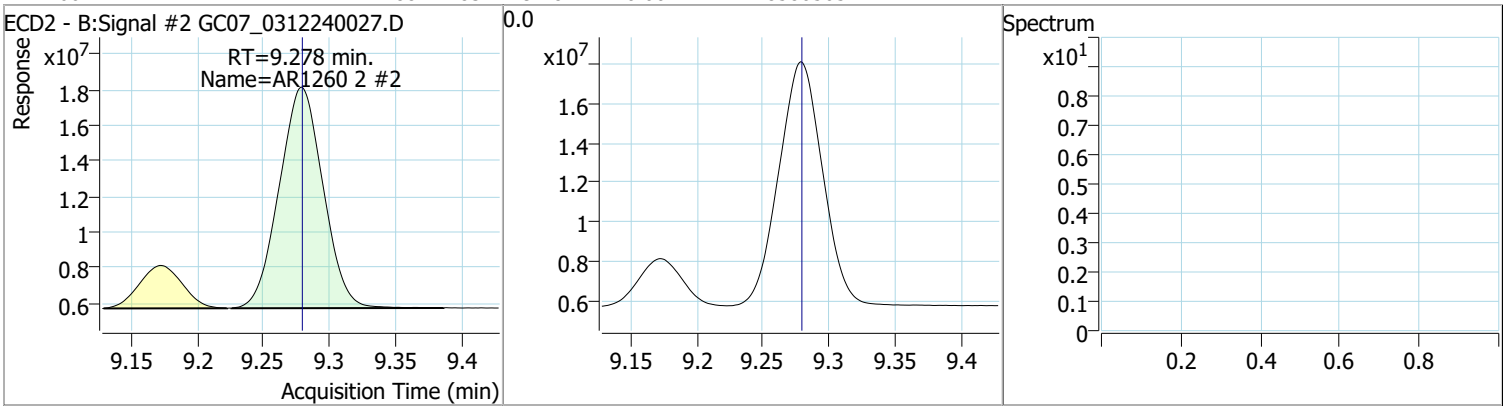
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	886.9756	8.92	0.00	26628210				



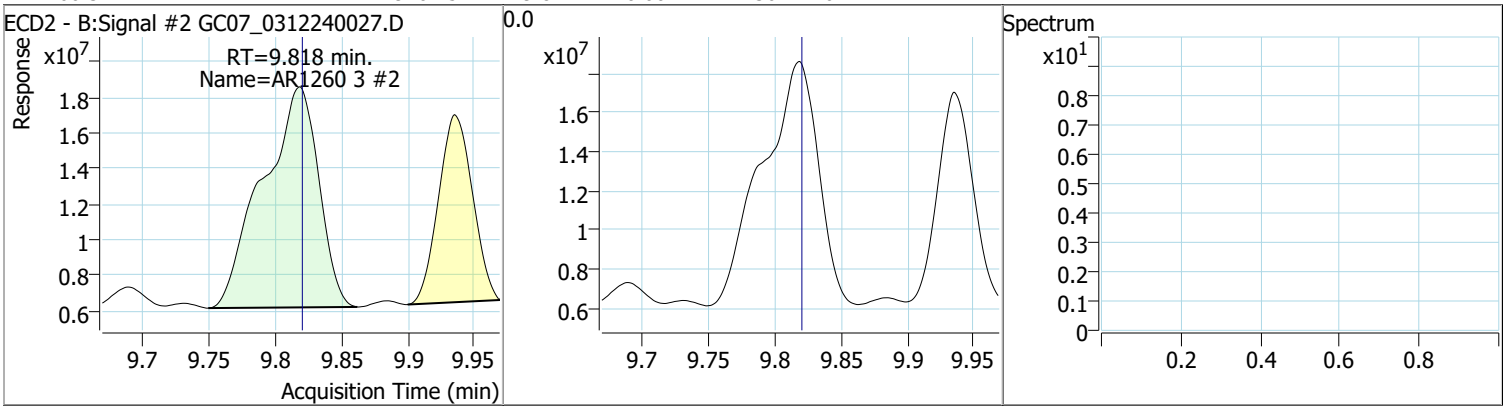
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	981.9706	9.13	0.00	139044356				



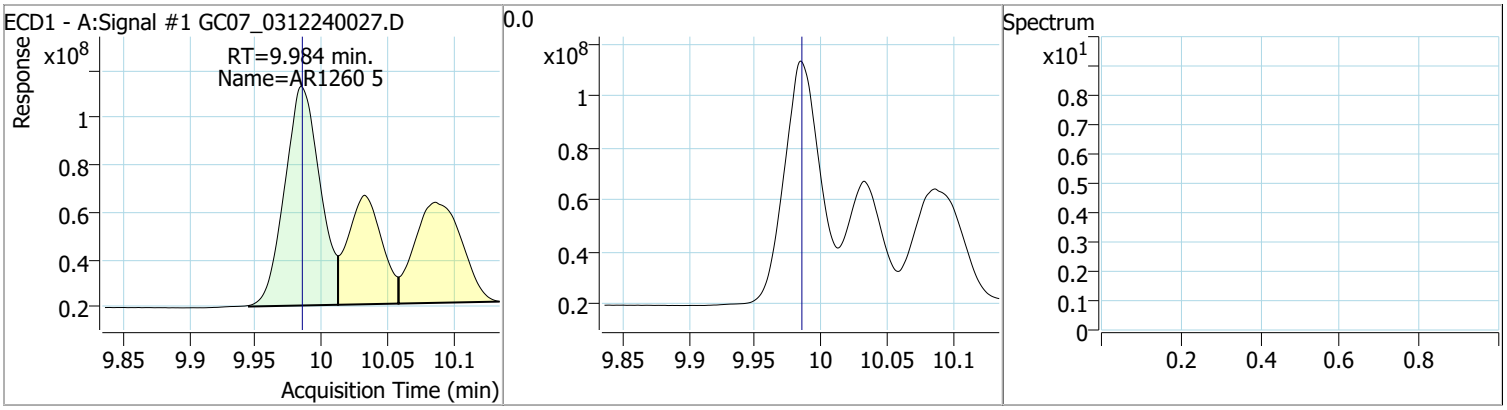
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	881.7483	9.28	0.00	28580505				



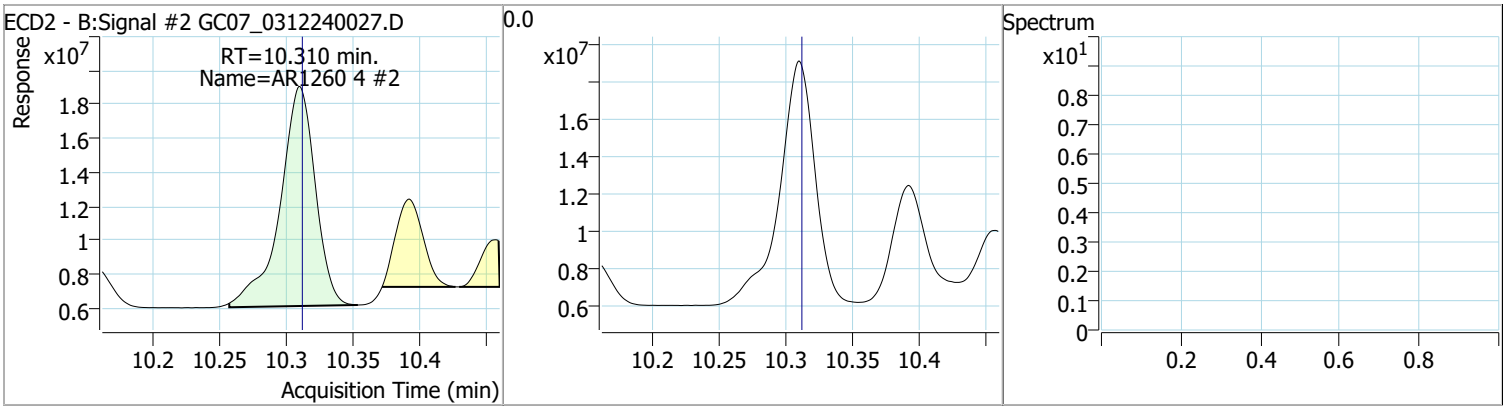
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	920.7547	9.82	0.00	36474204				



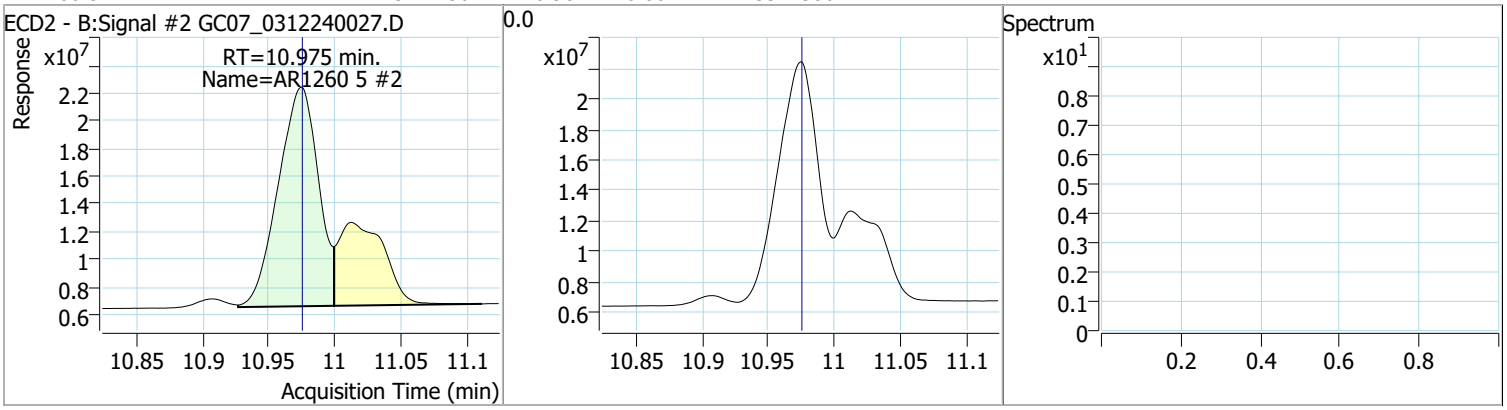
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1016.6003	9.98	0.00	172576031				



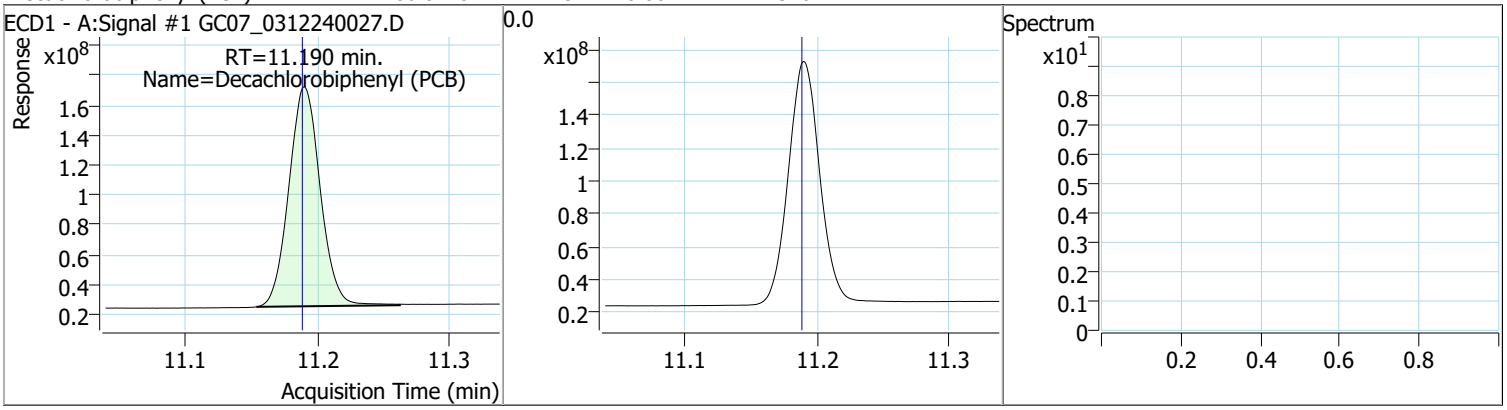
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	942.6197	10.31	0.00	24087563				



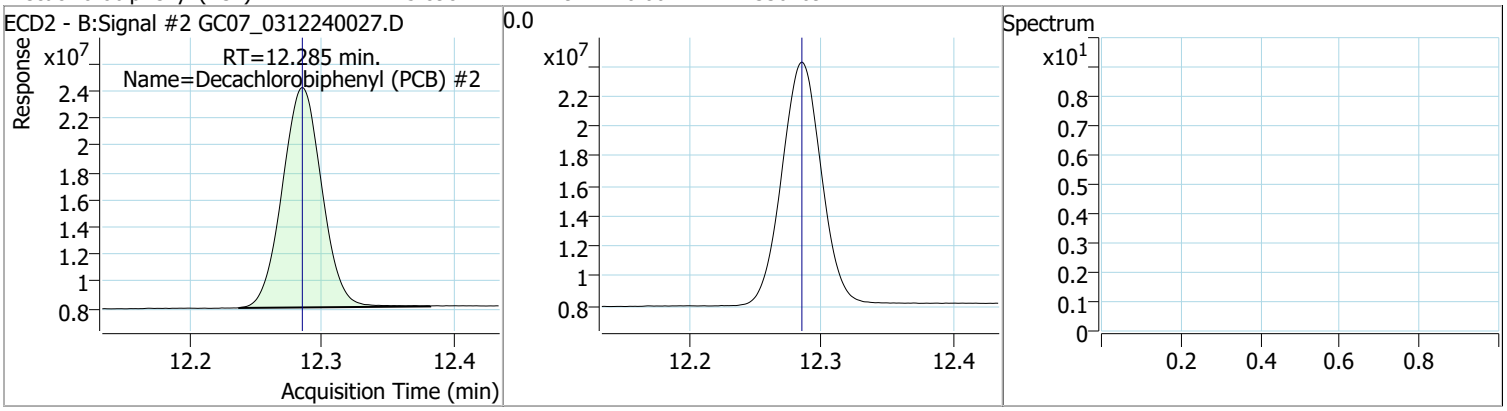
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	944.2567	10.98	0.00	33423864				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	80.5445	11.19	0.00	243702214				

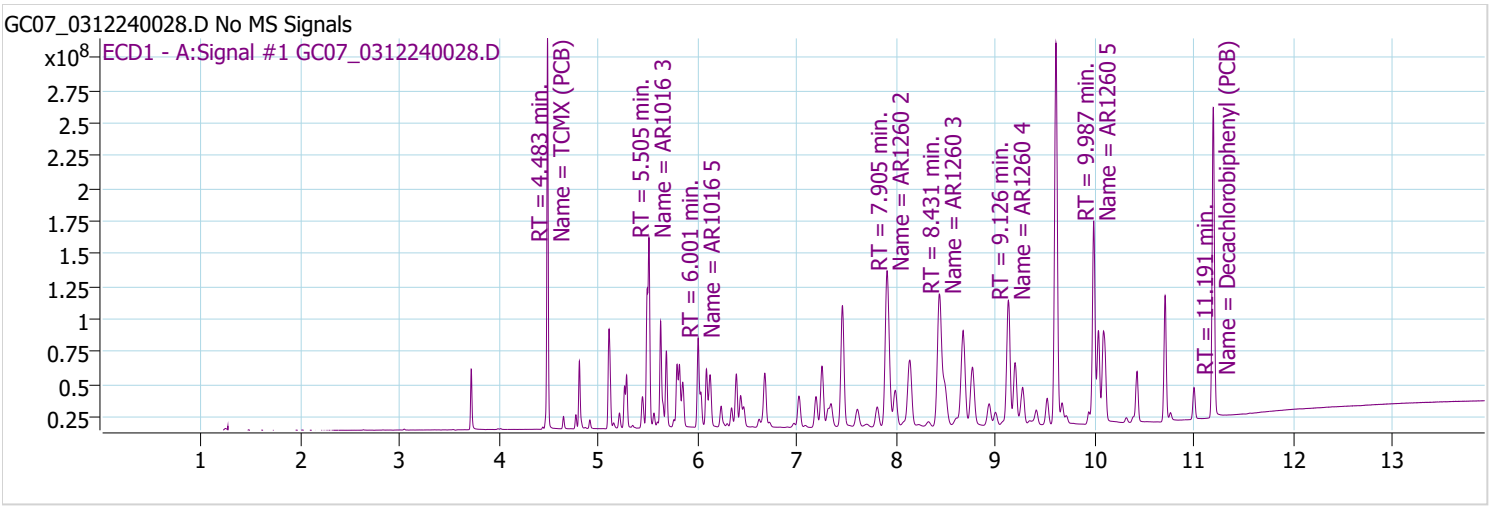


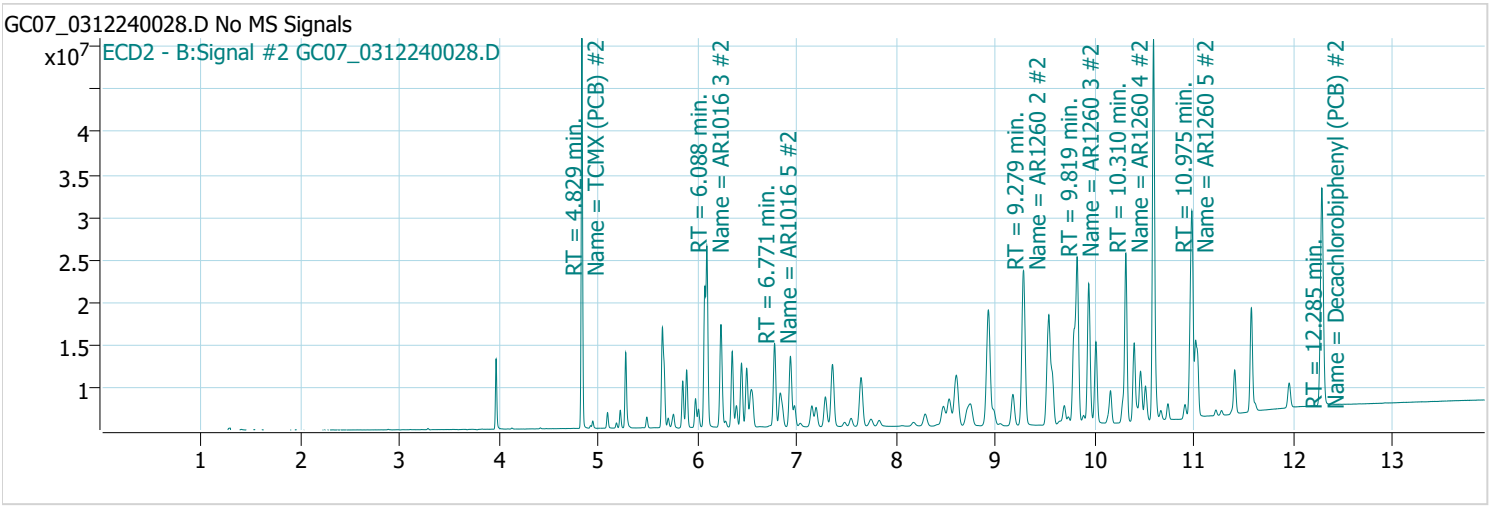
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	75.8981	12.29	0.00	33670927				



Quantitation Results Report (Not Reviewed)

Data File	GC07_0312240028.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/13/2024 5:49:24 AM
Sample Name	ICAL, S19338	Instrument	SVOA-GC07
Vial	19	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_1.m	Comment	1500 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	031224PCBICAL.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



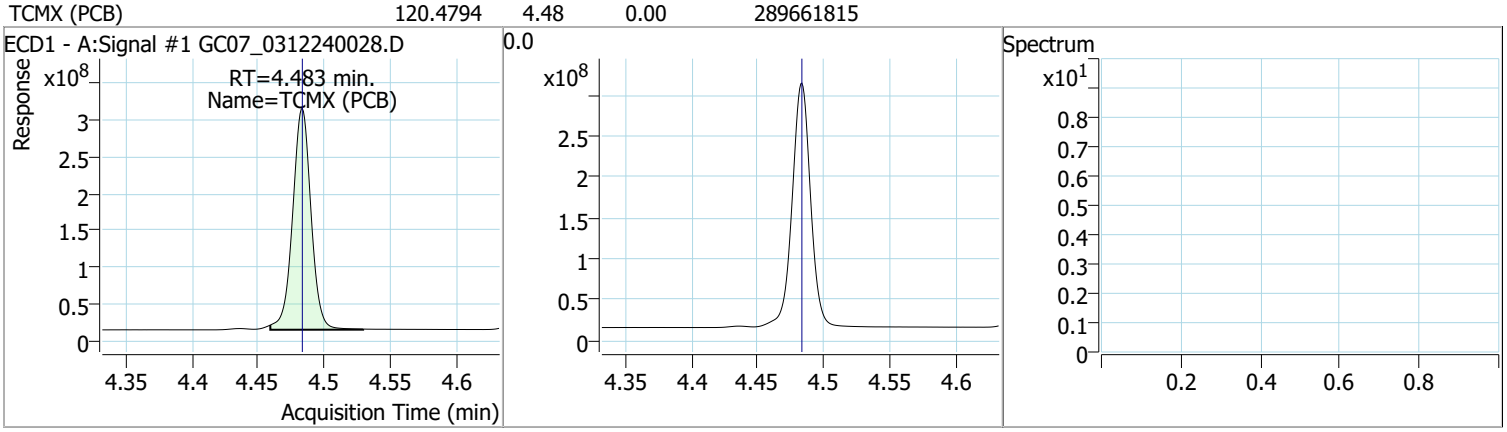


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.714	0.0	47384697.923	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.965	0.0	8031406.349	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.483	0.0	289661814.656	120.4794	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 602.40%		*	
S TCMX (PCB) #2	4.829	0.0	45421764.773	112.4481	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 562.24%		*	
S Decachlorobiphenyl (PCB)	11.191	0.0	389802621.607	127.9642	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 639.82%		*	
S Decachlorobiphenyl (PCB) #2	12.285	0.0	52374410.331	118.4427	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 592.21%		*	
Target Compounds							QValue

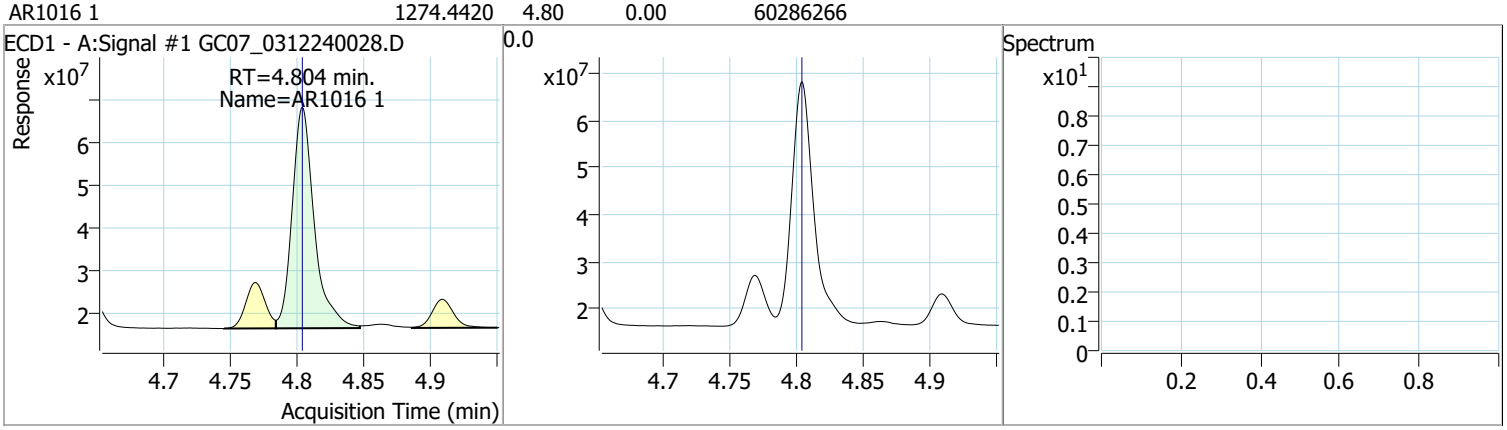
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.804	0.0	60286265.812	1274.4420	ng/ml		100
T AR1016 2	5.103	0.0	114174109.372	1302.9830	ng/ml		100
T AR1016 1 #2	5.271	0.0	10908577.264	1271.3016	ng/ml		100
T AR1016 3	5.505	0.0	183848923.308	1513.5779	ng/ml	m	100
T AR1016 4	5.623	0.0	114278375.369	1410.3356	ng/ml		100
T AR1016 2 #2	5.641	0.0	22082853.705	1238.2217	ng/ml		100
T AR1016 5	6.001	0.0	97204662.160	1421.0646	ng/ml	m	100
T AR1016 3 #2	6.088	0.0	29621177.026	1278.7392	ng/ml	m	100
T AR1016 4 #2	6.231	0.0	20145104.658	1313.0897	ng/ml		100
T AR1016 5 #2	6.771	0.0	17063747.279	1309.1729	ng/ml		100
T AR1260 1	7.454	0.0	208361381.400	1455.3311	ng/ml		100
T AR1260 2	7.905	0.0	337667731.655	1458.3909	ng/ml		100
T AR1260 3	8.431	0.0	392850849.350	1544.8860	ng/ml		100
T AR1260 1 #2	8.925	0.0	39556732.787	1321.9147	ng/ml		100
T AR1260 4	9.126	0.0	217599936.483	1526.4096	ng/ml		100
T AR1260 2 #2	9.279	0.0	42218441.414	1306.7432	ng/ml		100
T AR1260 3 #2	9.819	0.0	54757880.532	1386.8134	ng/ml		100
T AR1260 5	9.987	0.0	285540777.897	1670.7255	ng/ml		100
T AR1260 4 #2	10.310	0.0	36462007.642	1431.5204	ng/ml		100
T AR1260 5 #2	10.975	0.0	52007727.386	1474.0581	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

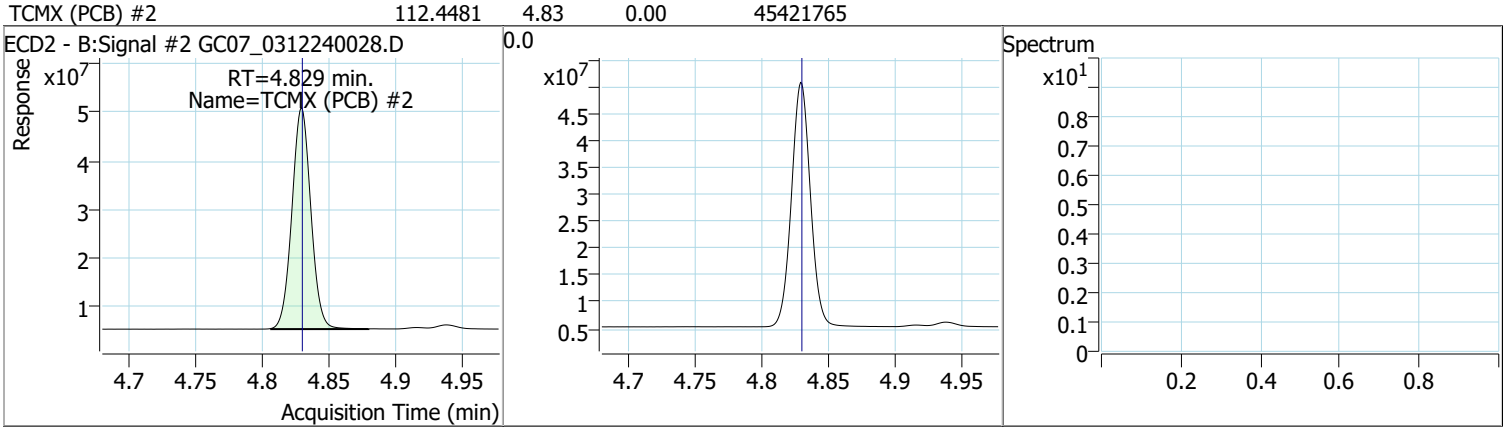
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	120.4794	4.48	0.00	289661815				



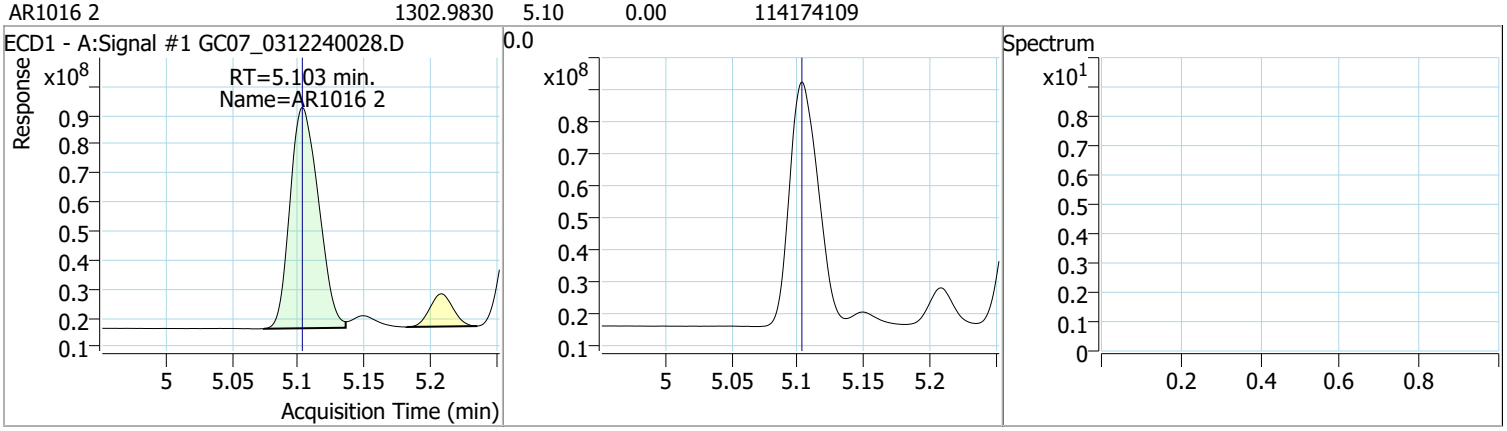
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1274.4420	4.80	0.00	60286266				



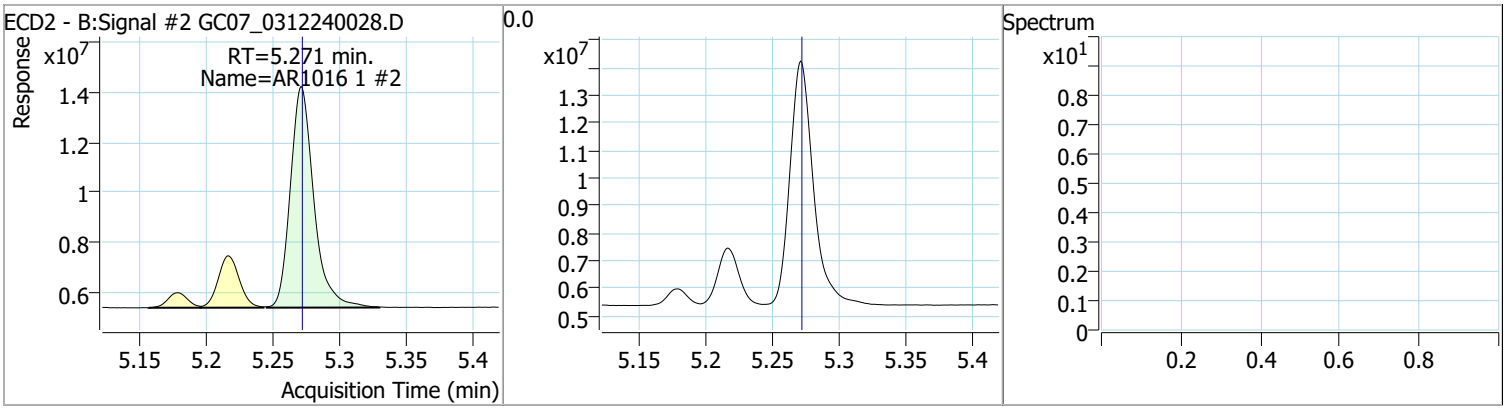
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	112.4481	4.83	0.00	45421765				



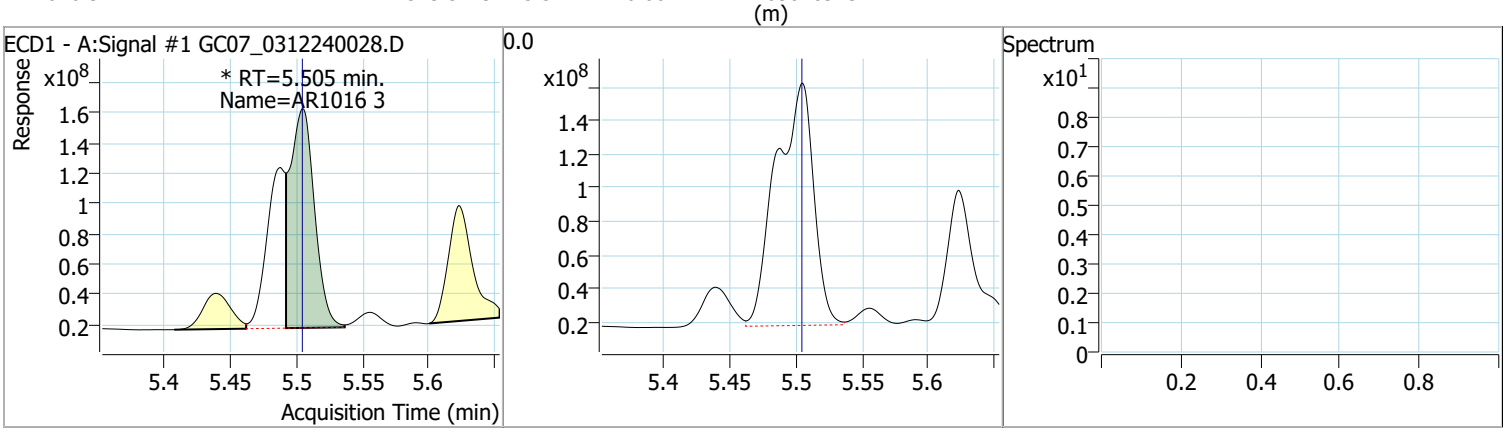
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1302.9830	5.10	0.00	114174109				



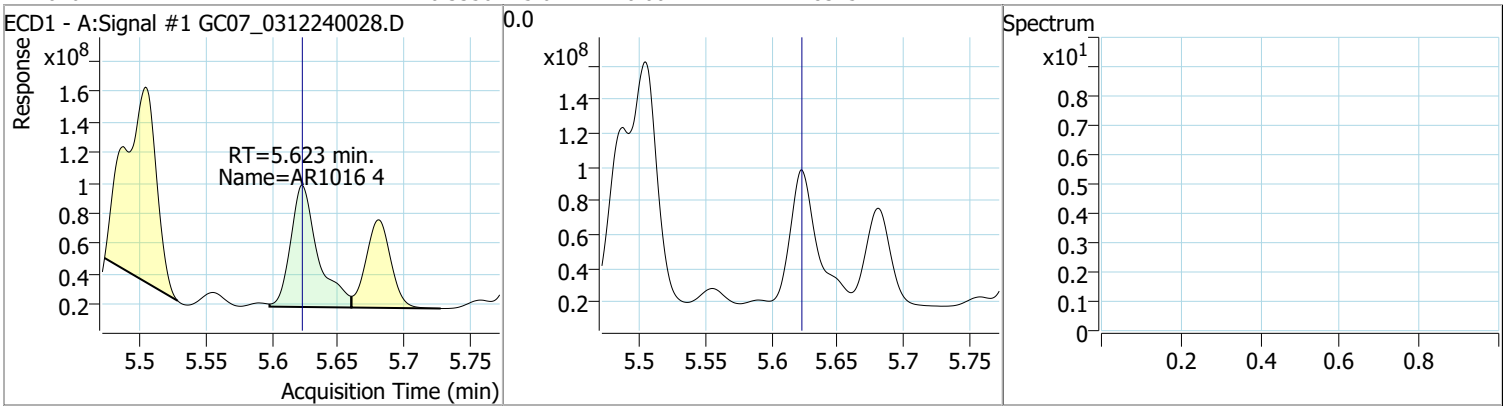
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1271.3016	5.27	0.00	10908577				



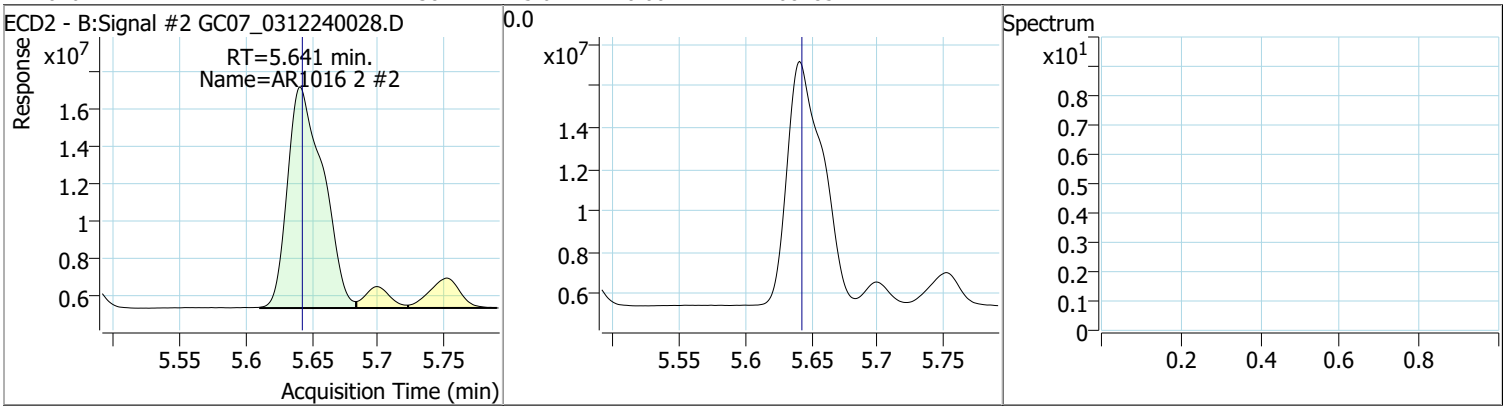
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1513.5779	5.51	0.00	183848923 (m)				



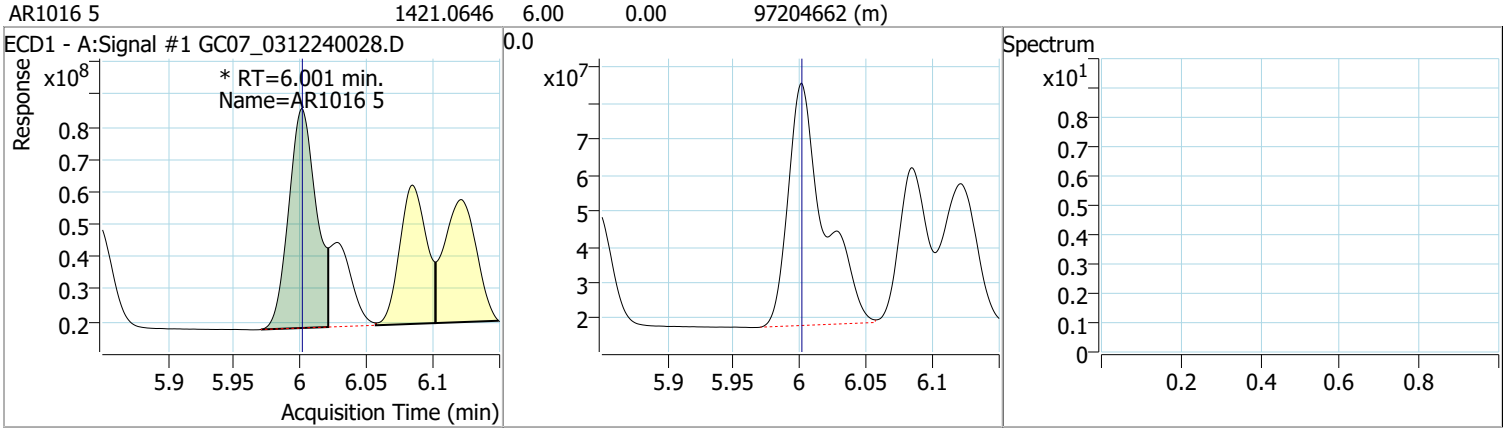
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1410.3356	5.62	0.00	114278375				



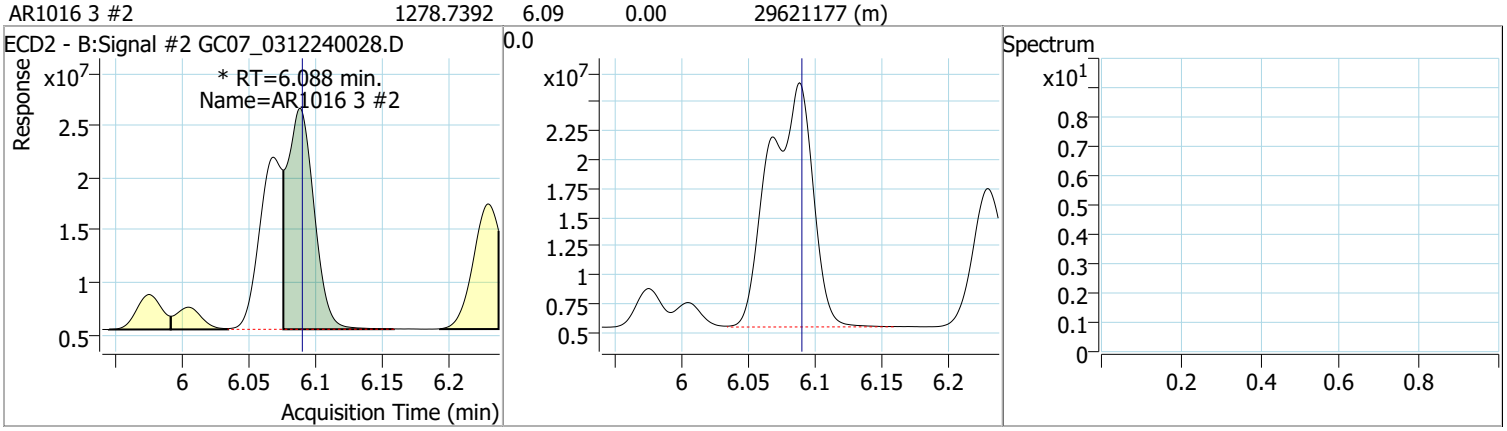
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1238.2217	5.64	0.00	22082854				



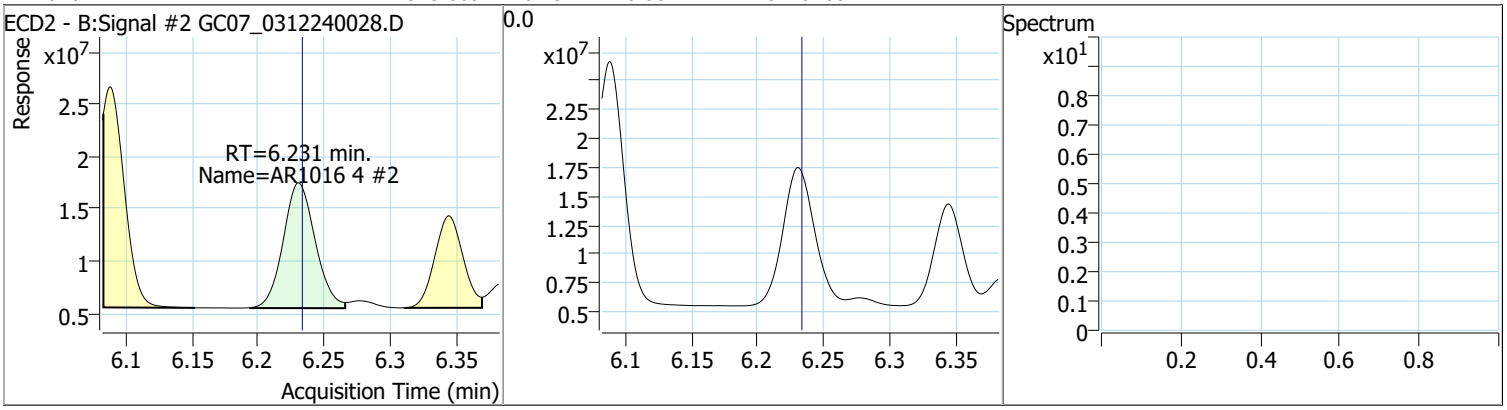
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1421.0646	6.00	0.00	97204662 (m)				



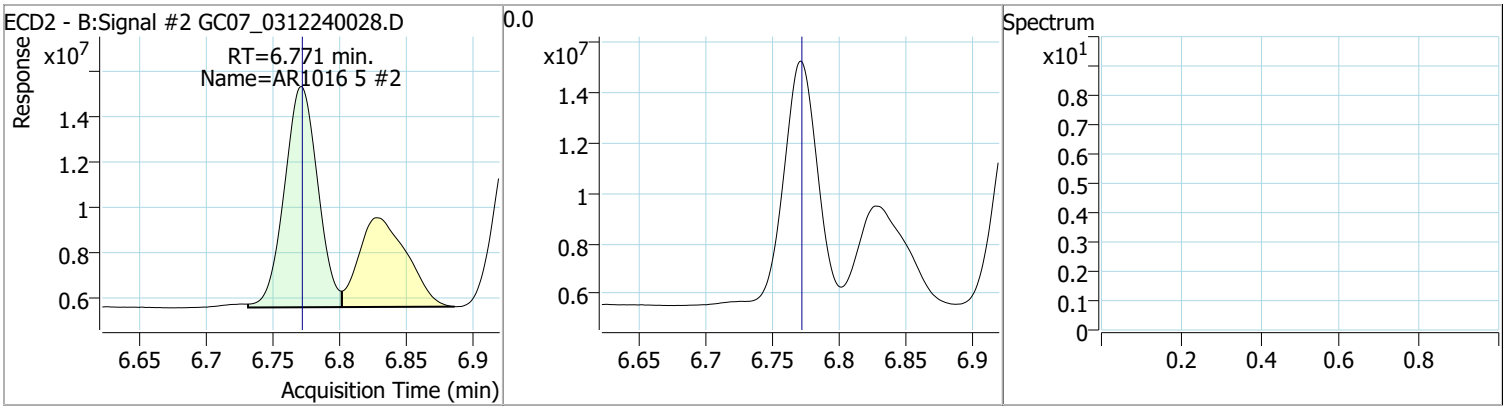
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1278.7392	6.09	0.00	29621177 (m)				



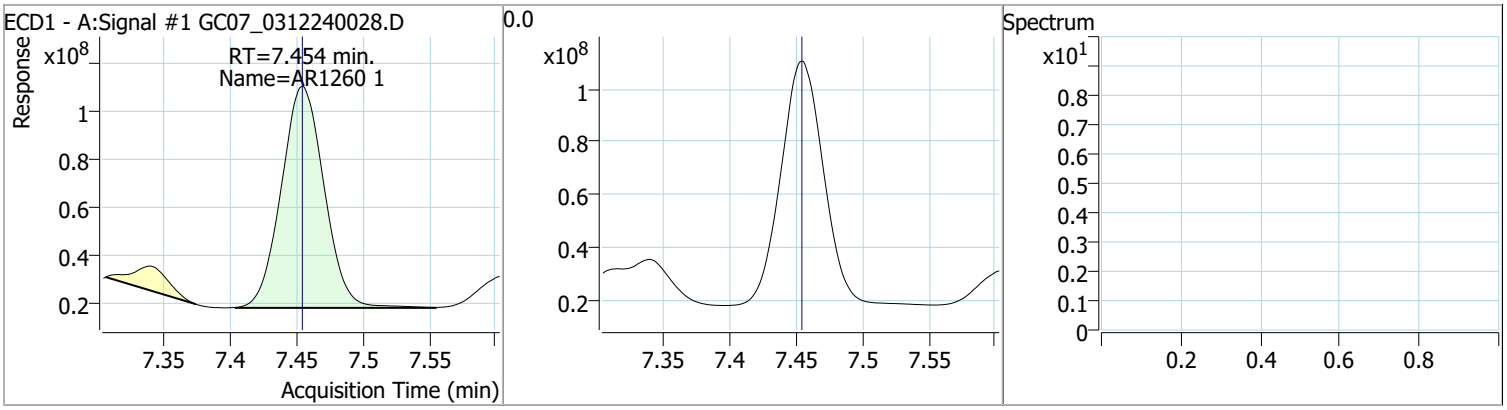
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1313.0897	6.23	0.00	20145105				



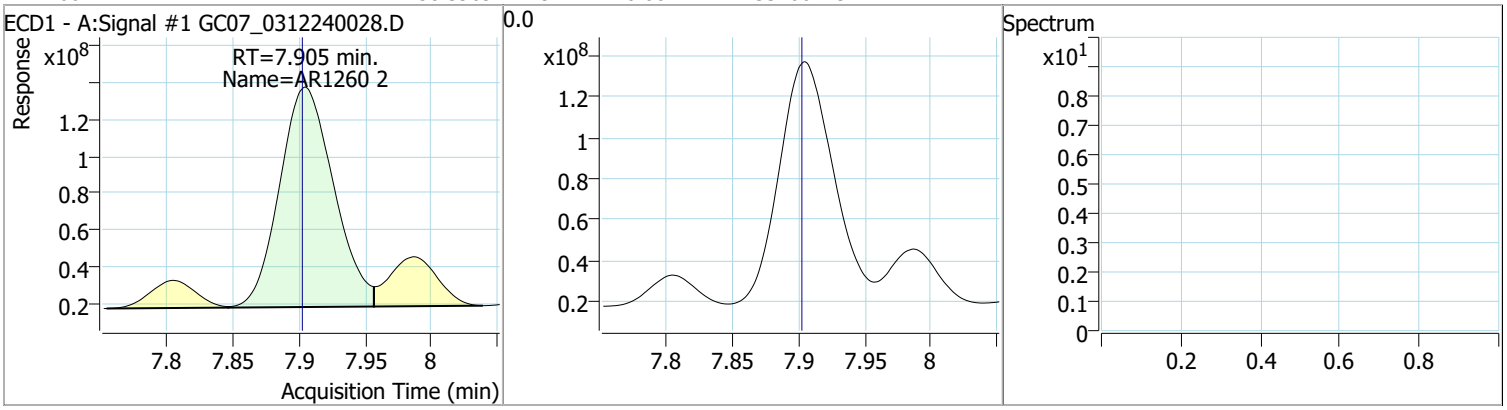
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1309.1729	6.77	0.00	17063747				



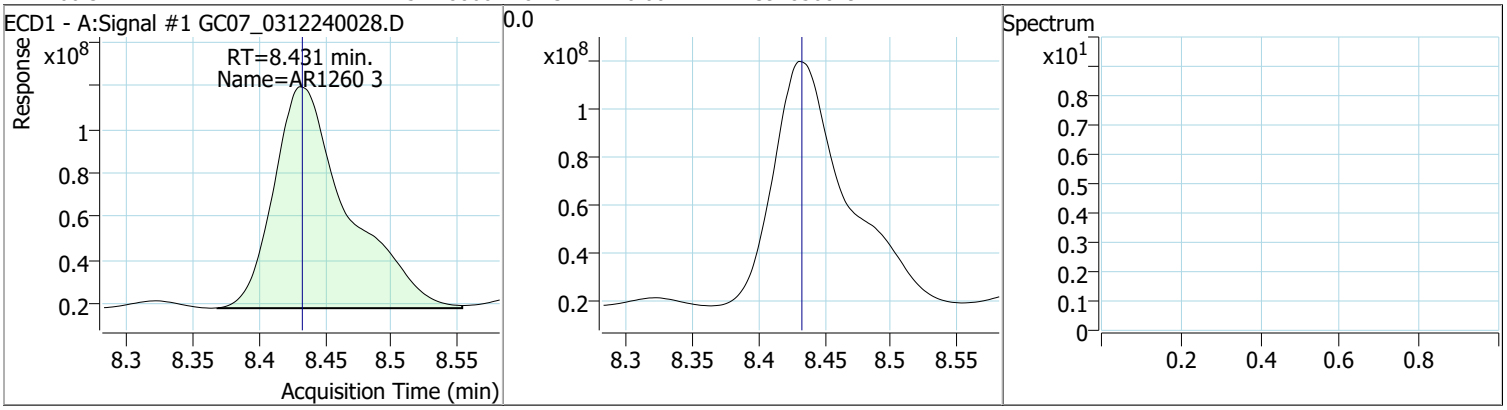
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1455.3311	7.45	0.00	208361381				



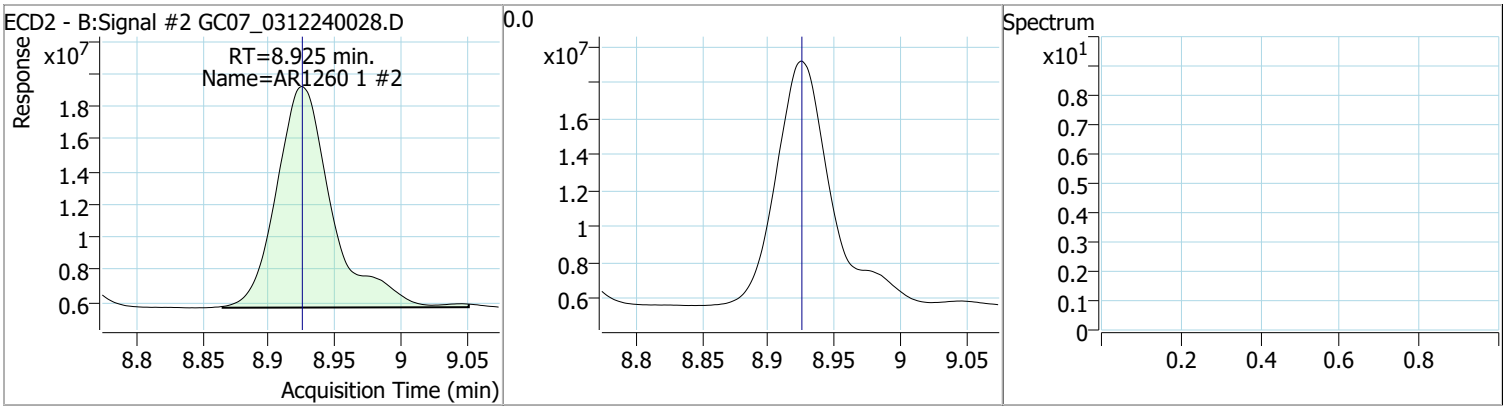
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1458.3909	7.91	0.00	337667732				



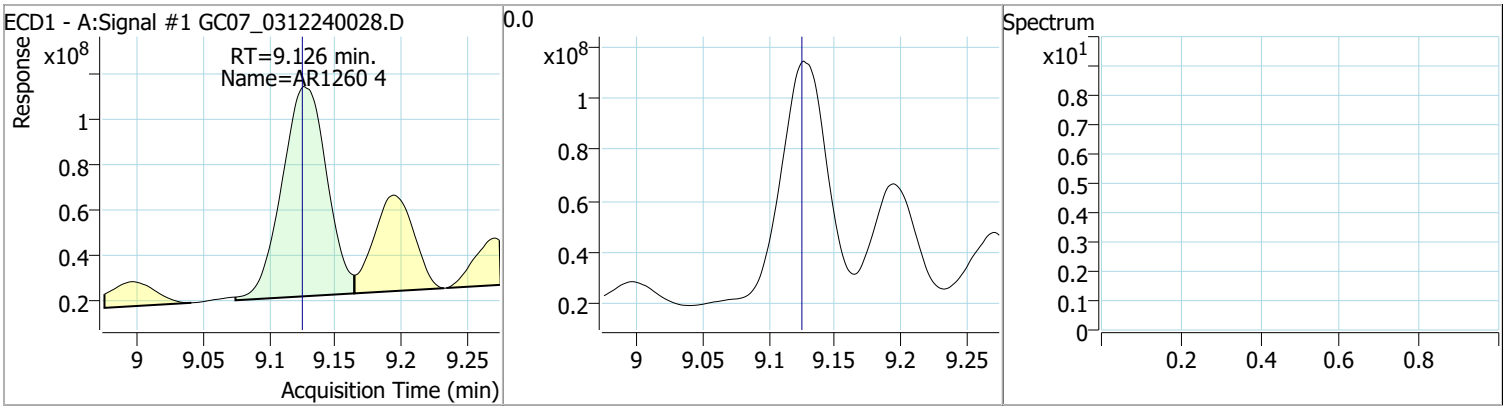
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1544.8860	8.43	0.00	392850849				



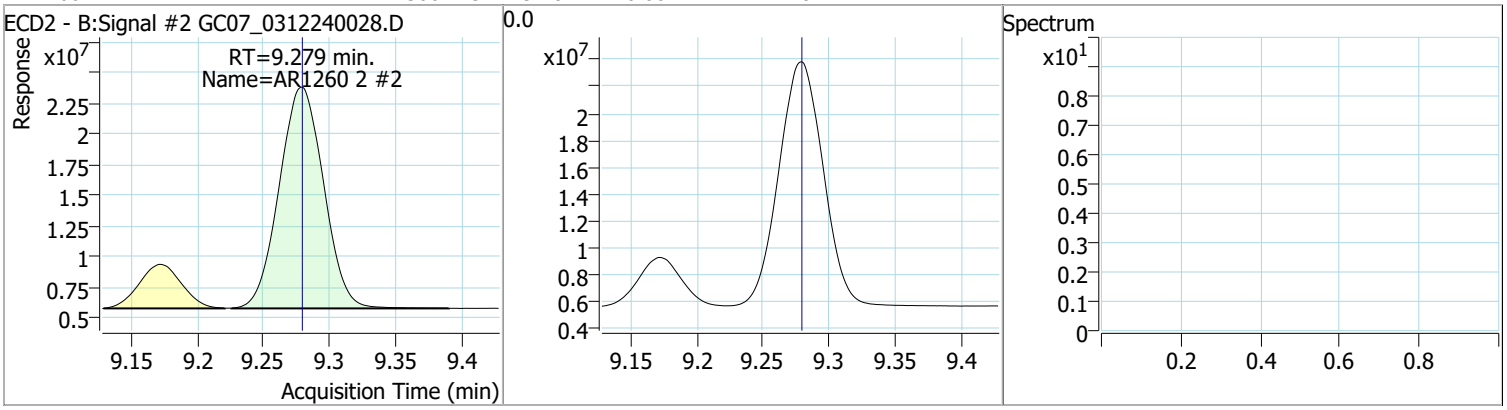
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1321.9147	8.93	0.00	39556733				



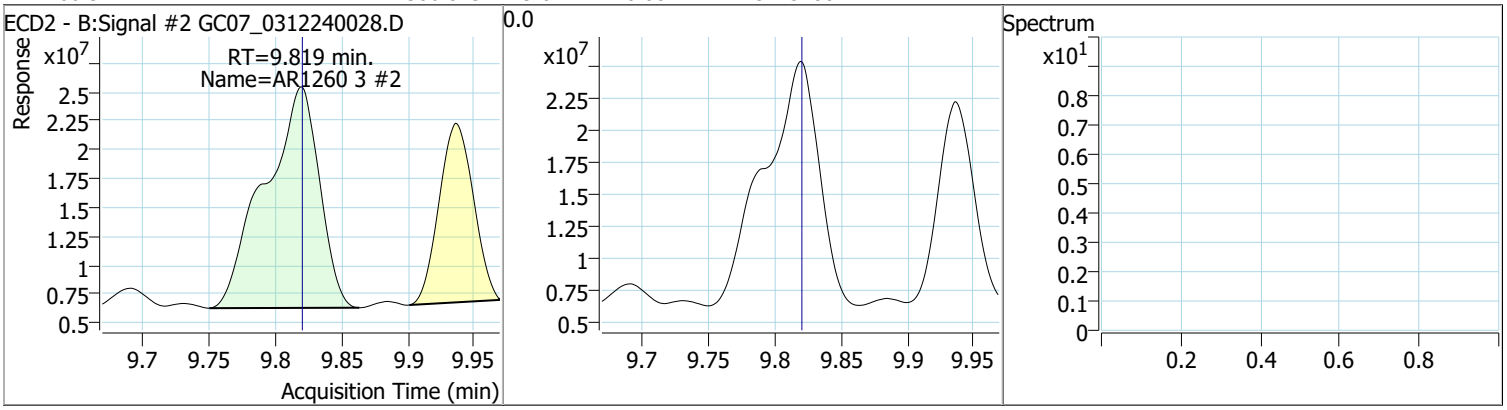
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1526.4096	9.13	0.00	217599936				



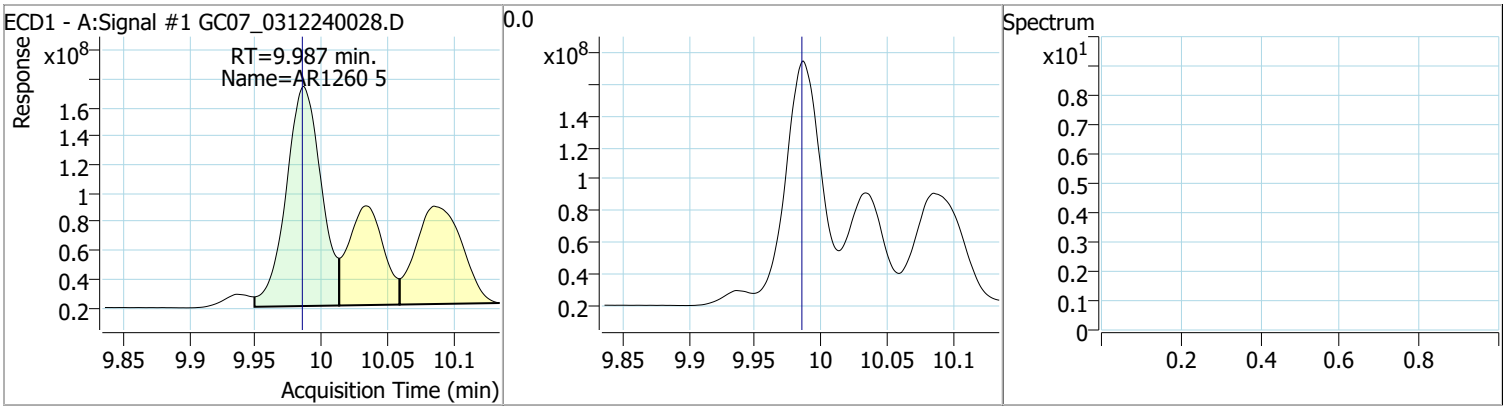
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1306.7432	9.28	0.00	42218441				



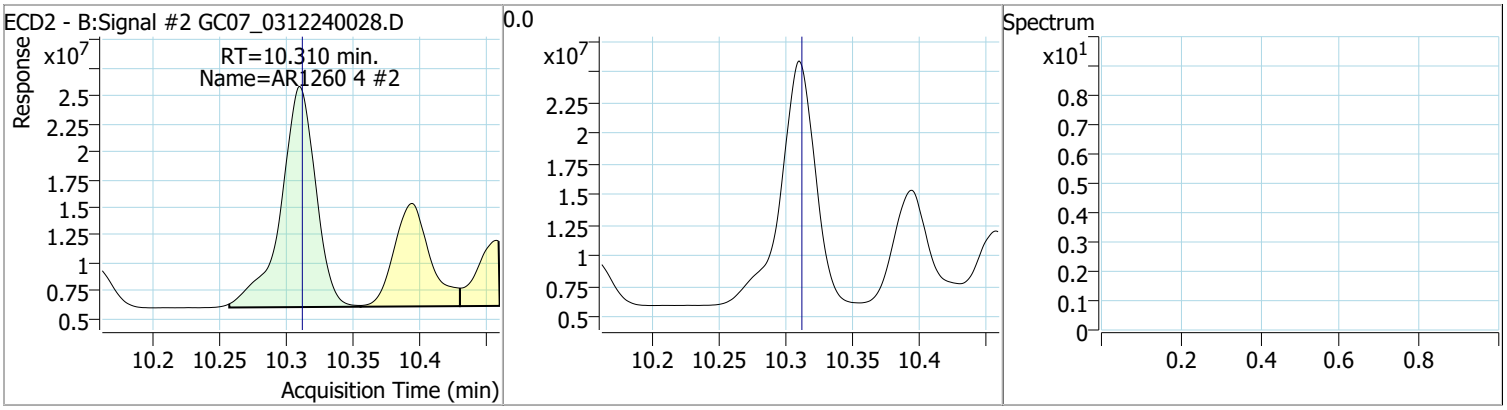
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1386.8134	9.82	0.00	54757881				



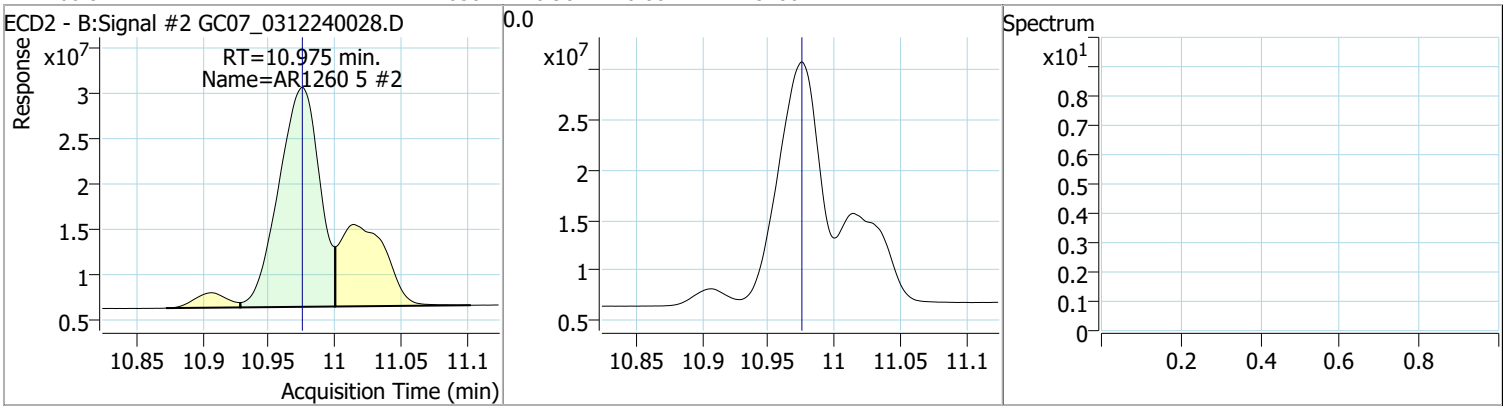
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1670.7255	9.99	0.00	285540778				



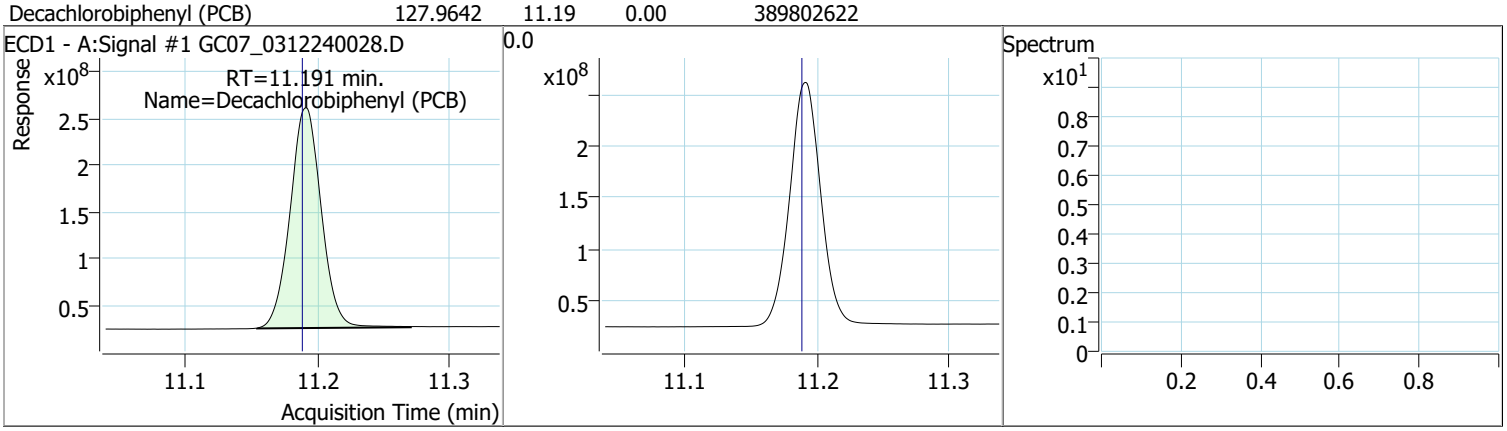
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1431.5204	10.31	0.00	36462008				



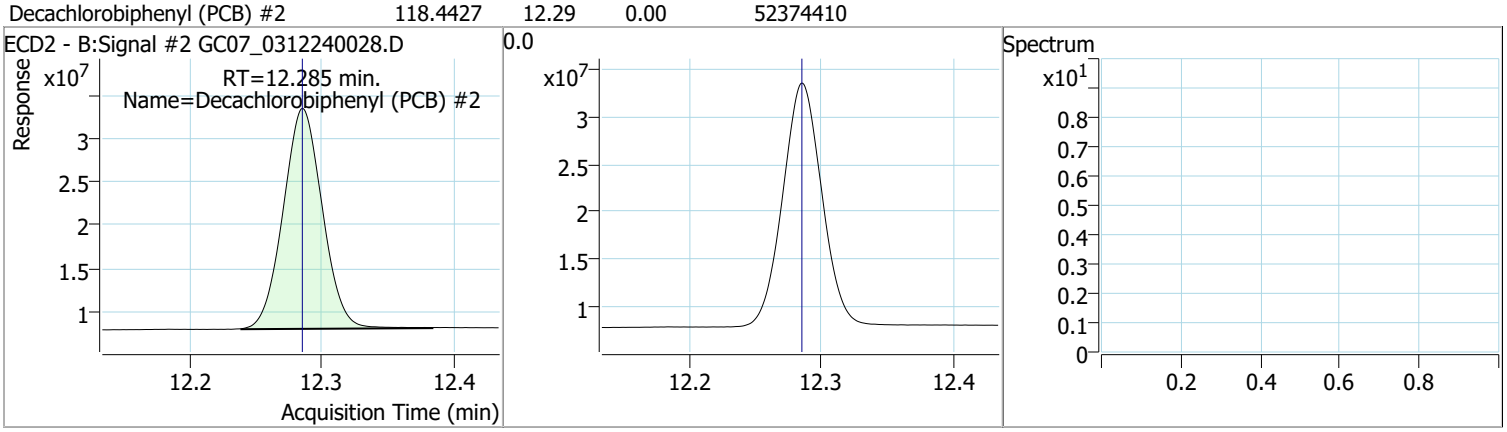
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1474.0581	10.98	0.00	52007727				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	127.9642	11.19	0.00	389802622				

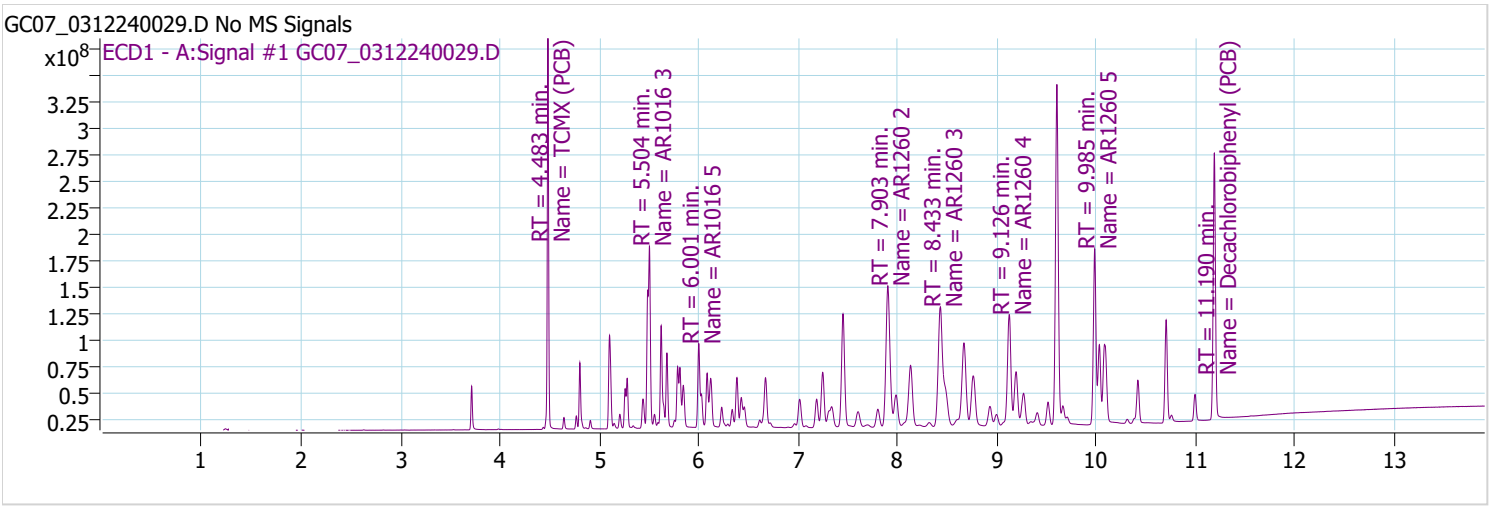


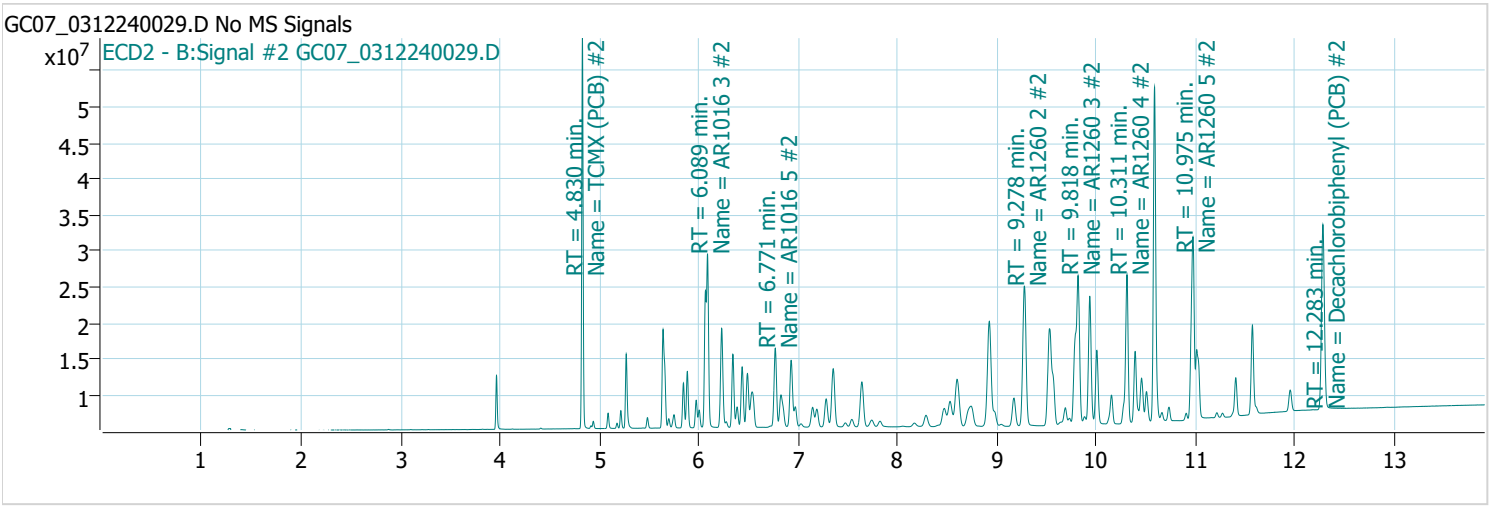
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	118.4427	12.29	0.00	52374410				



Quantitation Results Report (Not Reviewed)

Data File	GC07_0312240029.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/13/2024 6:10:17 AM
Sample Name	ICAL, S19339	Instrument	SVOA-GC07
Vial	20	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_1.m	Comment	2000 PPB PCB ICAL
Tune File	ATUNE.U	Tune Date	
Batch Name	031224PCBICAL.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



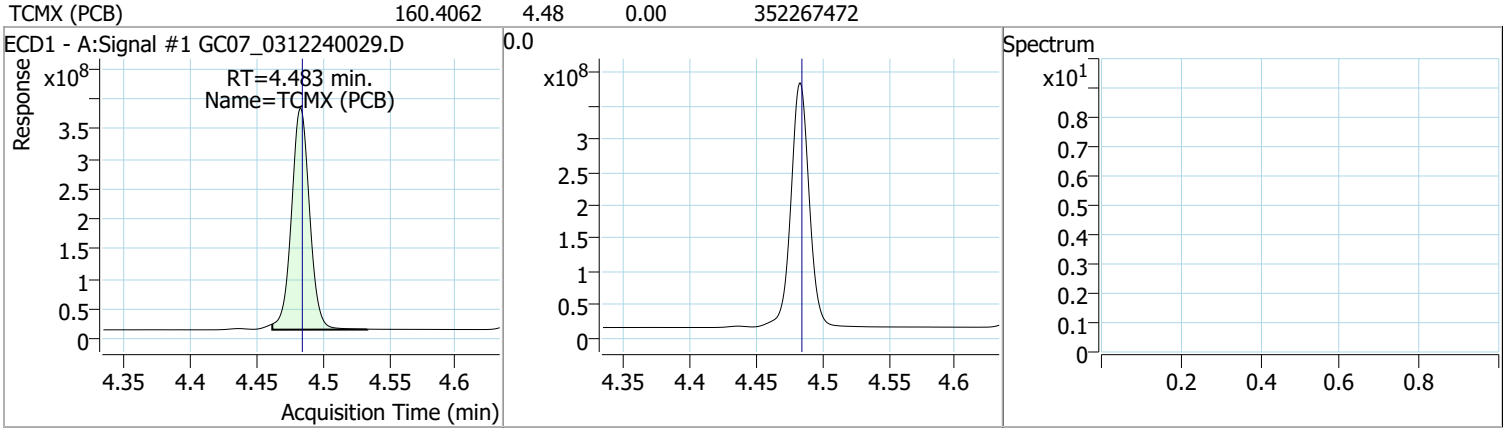


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.715	0.0	43282379.264	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.965	0.0	7384632.875	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.483	0.0	352267471.705	160.4062	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 802.03%		*	
S TCMX (PCB) #2	4.830	0.0	54363445.532	146.3719	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 731.86%		*	
S Decachlorobiphenyl (PCB)	11.190	0.0	404408392.609	145.3419	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 726.71%		*	
S Decachlorobiphenyl (PCB) #2	12.283	0.0	53326227.891	131.1574	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 655.79%		*	
Target Compounds							QValue

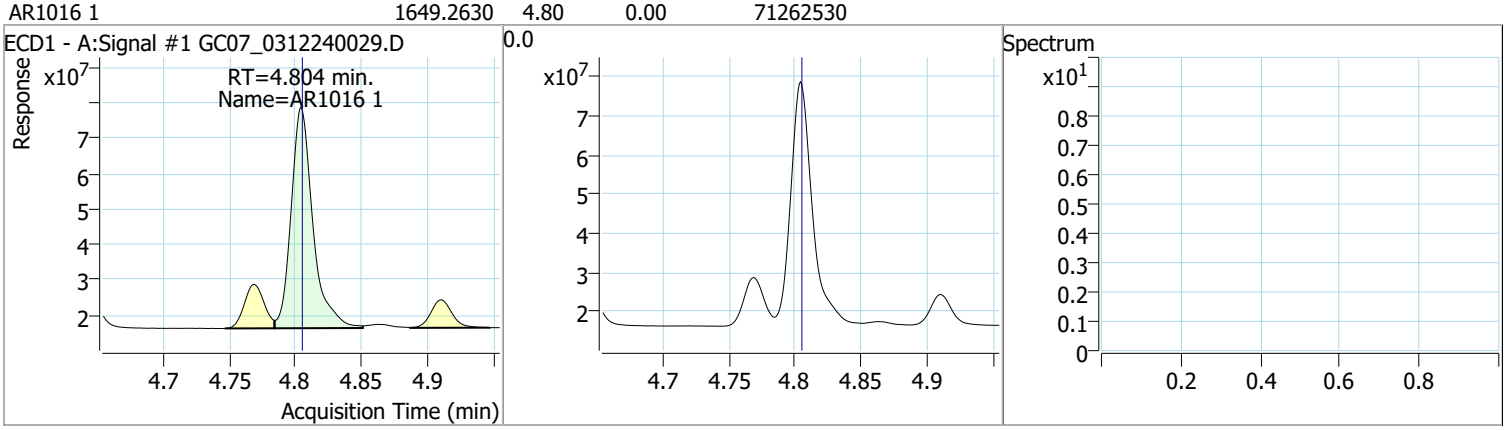
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.804	0.0	71262530.424	1649.2630	ng/ml		100
T AR1016 2	5.103	0.0	133309318.350	1665.5536	ng/ml		100
T AR1016 1 #2	5.271	0.0	12758583.498	1617.1325	ng/ml		100
T AR1016 3	5.504	0.0	218100856.181	1965.7490	ng/ml	m	100
T AR1016 4	5.623	0.0	137034943.708	1851.4702	ng/ml		100
T AR1016 2 #2	5.642	0.0	25344859.303	1545.5953	ng/ml		100
T AR1016 5	6.001	0.0	112517018.022	1800.8268	ng/ml	m	100
T AR1016 3 #2	6.089	0.0	34482755.597	1618.9906	ng/ml	m	100
T AR1016 4 #2	6.232	0.0	23034380.440	1632.9170	ng/ml		100
T AR1016 5 #2	6.771	0.0	19311130.355	1611.3615	ng/ml		100
T AR1260 1	7.453	0.0	225716428.775	1725.9760	ng/ml		100
T AR1260 2	7.903	0.0	370688696.968	1752.7530	ng/ml		100
T AR1260 3	8.433	0.0	429686595.850	1849.8970	ng/ml		100
T AR1260 1 #2	8.925	0.0	42809331.032	1555.9089	ng/ml		100
T AR1260 4	9.126	0.0	238040552.621	1828.0593	ng/ml		100
T AR1260 2 #2	9.278	0.0	45474424.578	1530.7982	ng/ml		100
T AR1260 3 #2	9.818	0.0	58831585.300	1620.4837	ng/ml		100
T AR1260 5	9.985	0.0	298081941.360	1909.4119	ng/ml		100
T AR1260 4 #2	10.311	0.0	39453814.818	1684.6460	ng/ml		100
T AR1260 5 #2	10.975	0.0	54008410.338	1664.8335	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

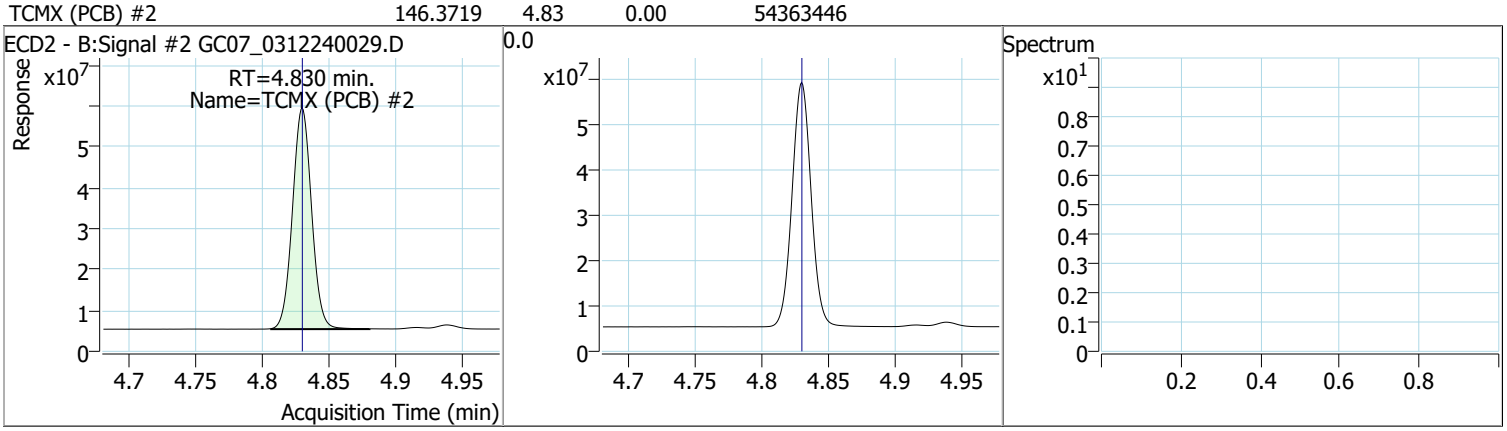
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	160.4062	4.48	0.00	352267472				



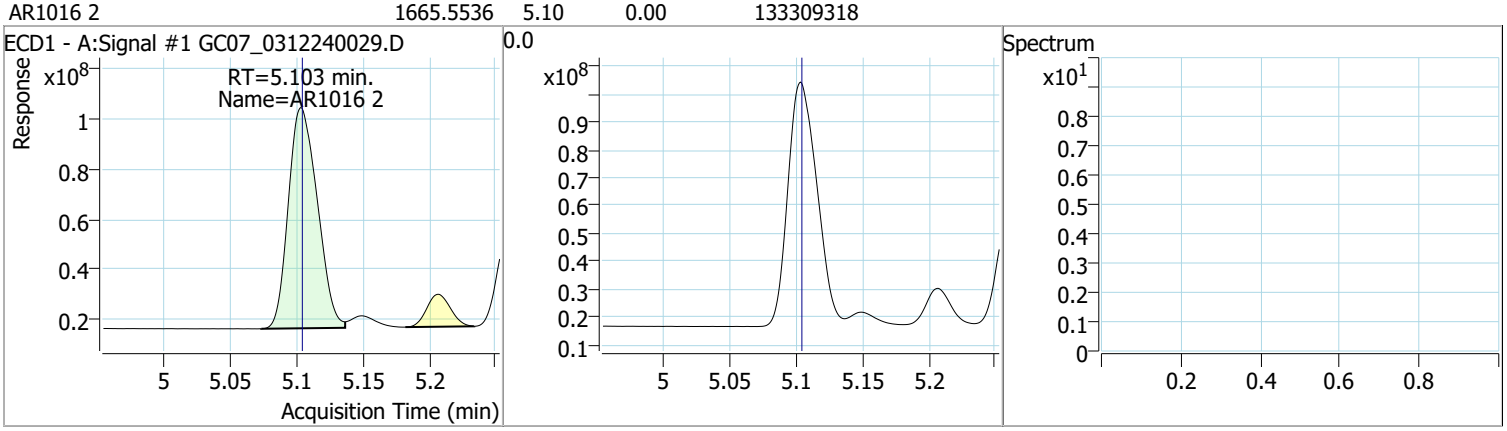
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1649.2630	4.80	0.00	71262530				



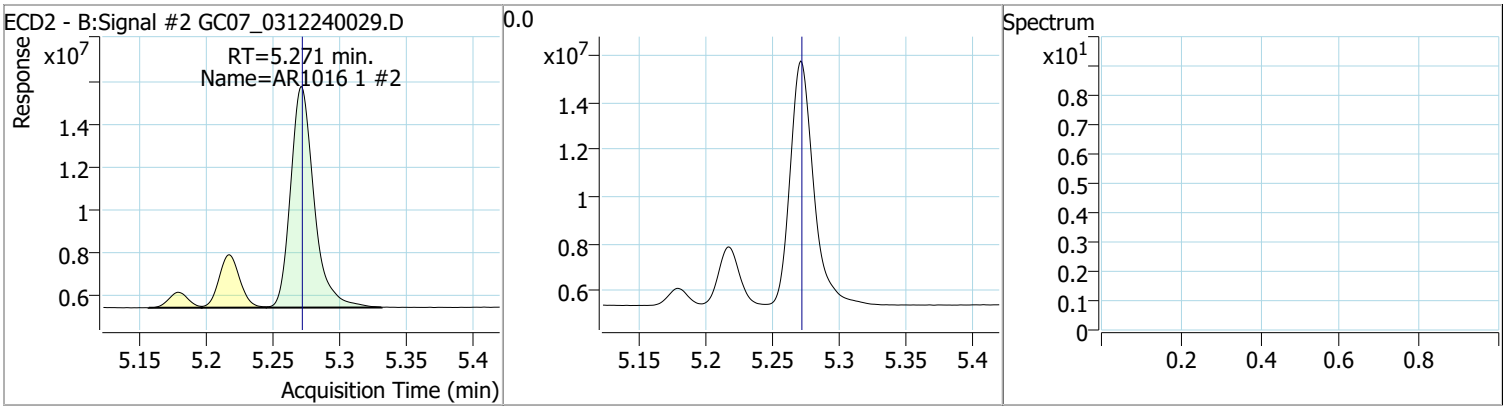
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	146.3719	4.83	0.00	54363446				



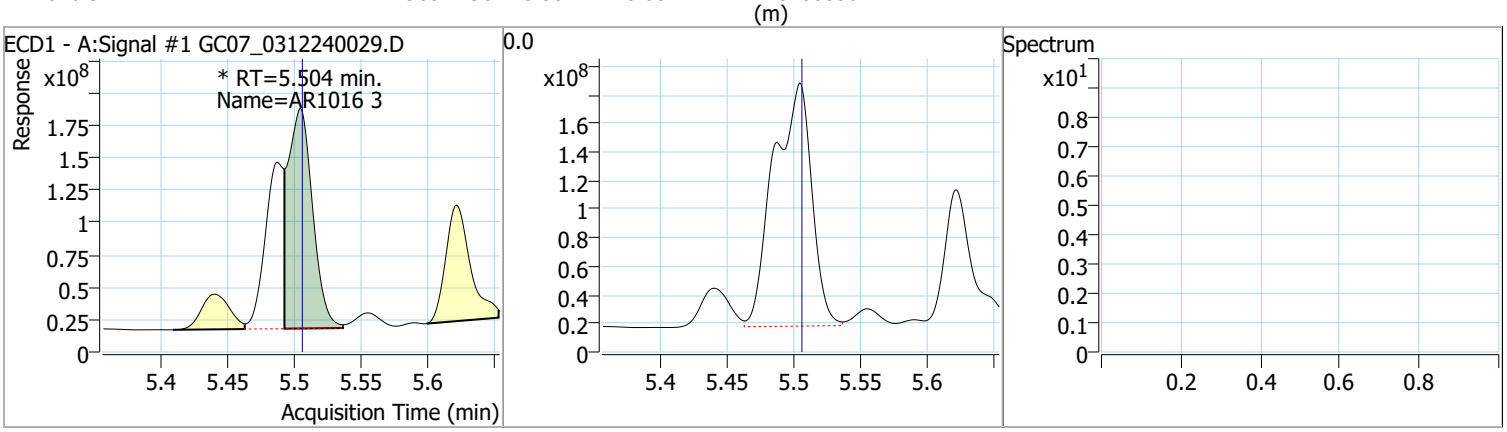
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1665.5536	5.10	0.00	133309318				



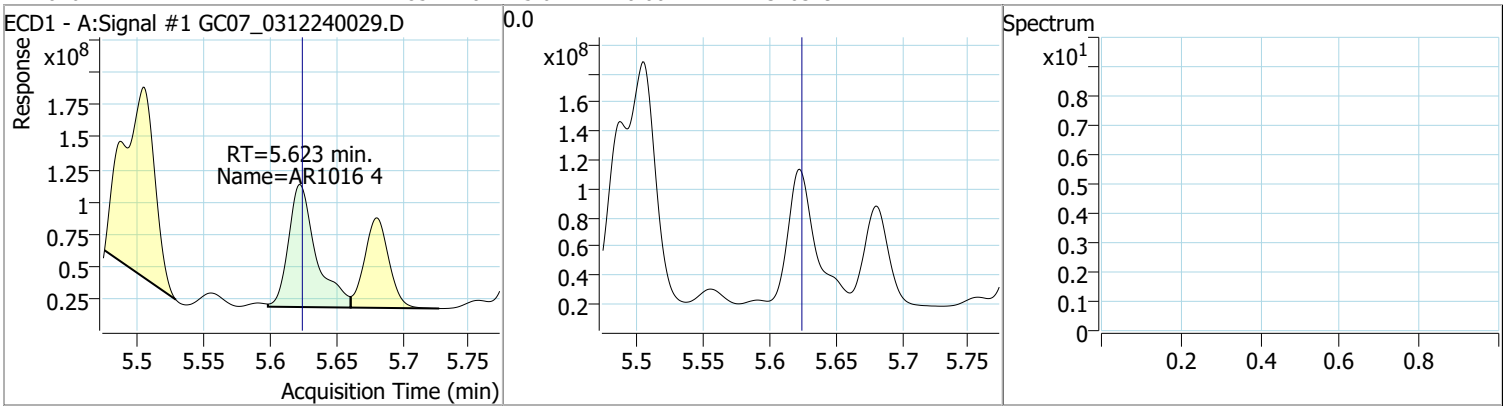
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1617.1325	5.27	0.00	12758583				



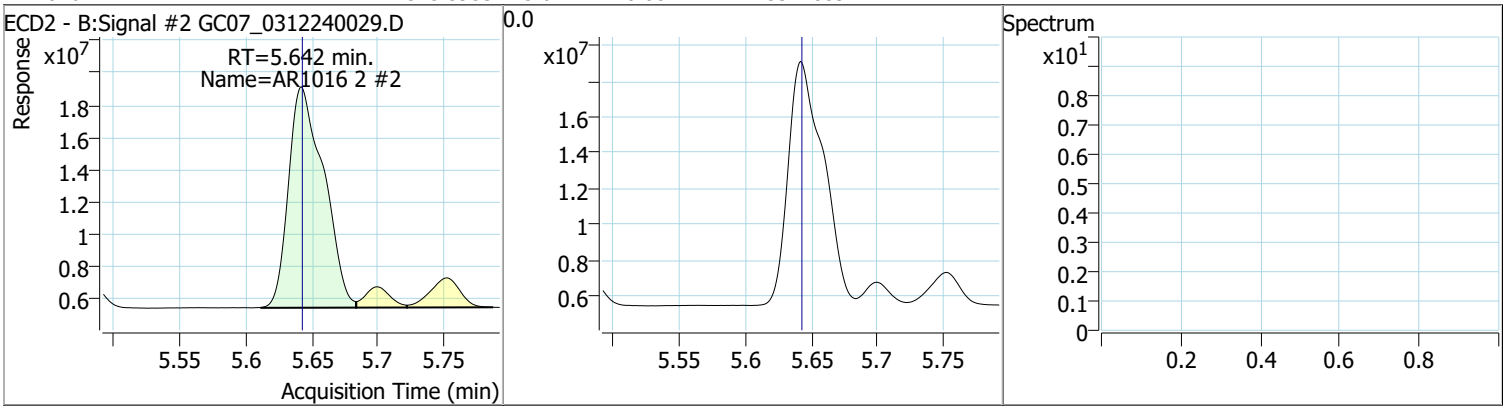
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1965.7490	5.50	0.00	218100856 (m)				



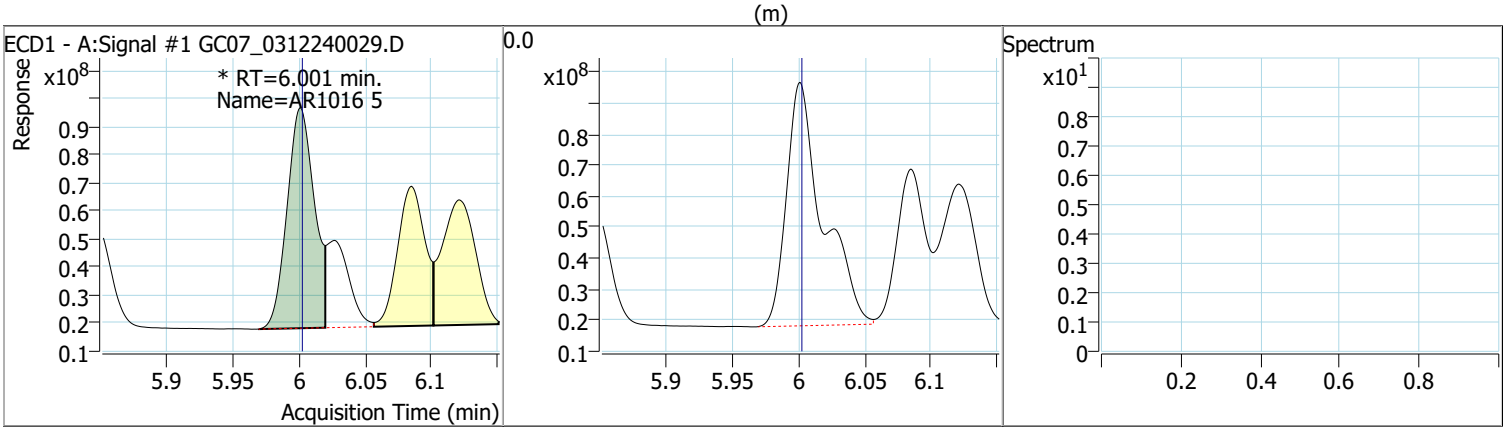
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1851.4702	5.62	0.00	137034944				



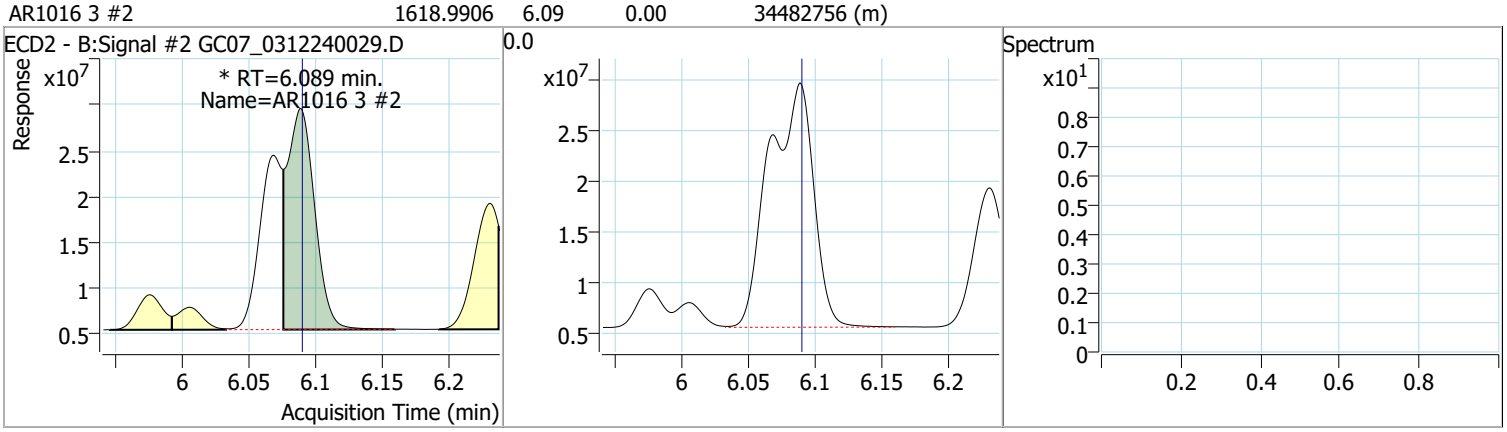
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1545.5953	5.64	0.00	25344859				



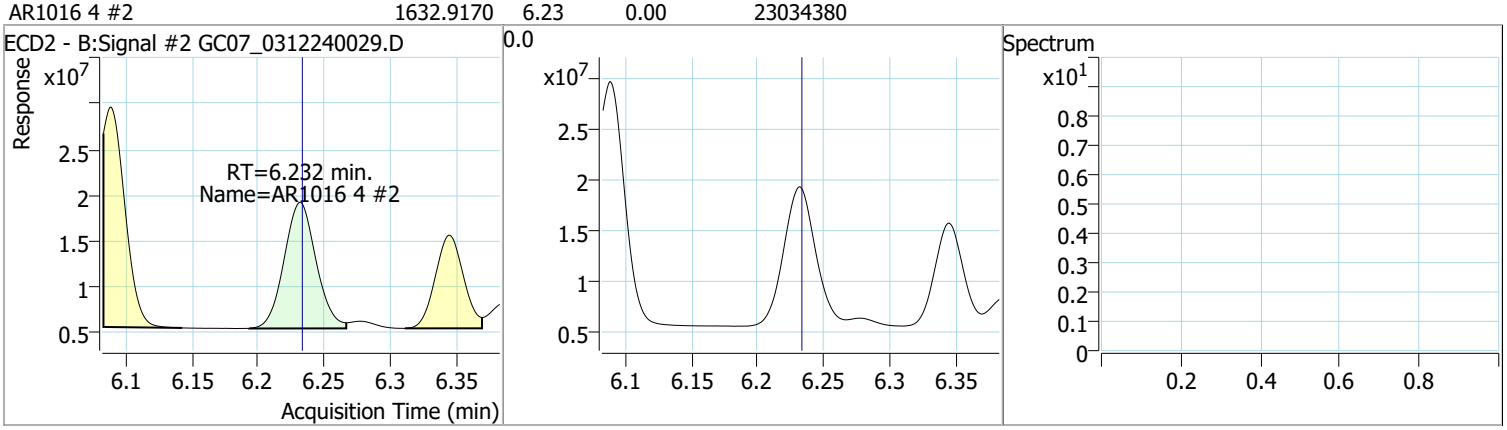
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1800.8268	6.00	0.00	112517018 (m)				



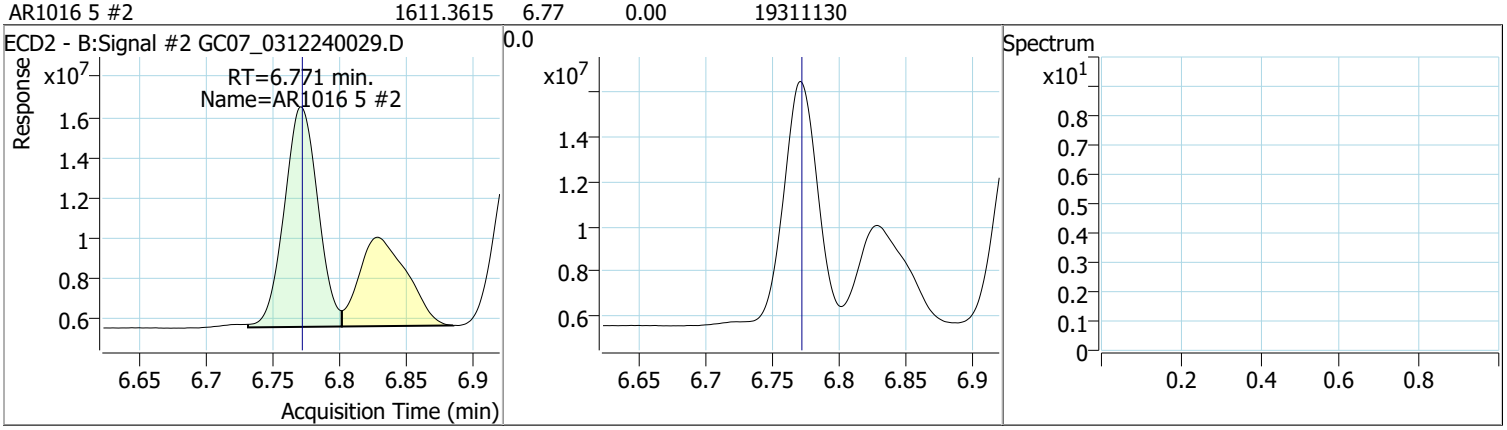
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1618.9906	6.09	0.00	34482756 (m)				



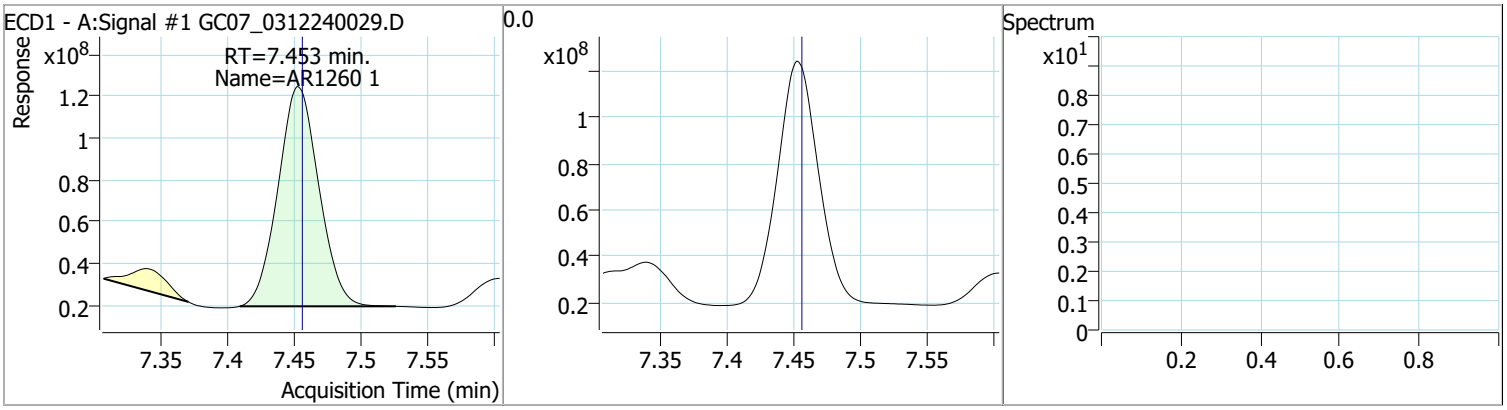
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1632.9170	6.23	0.00	23034380				



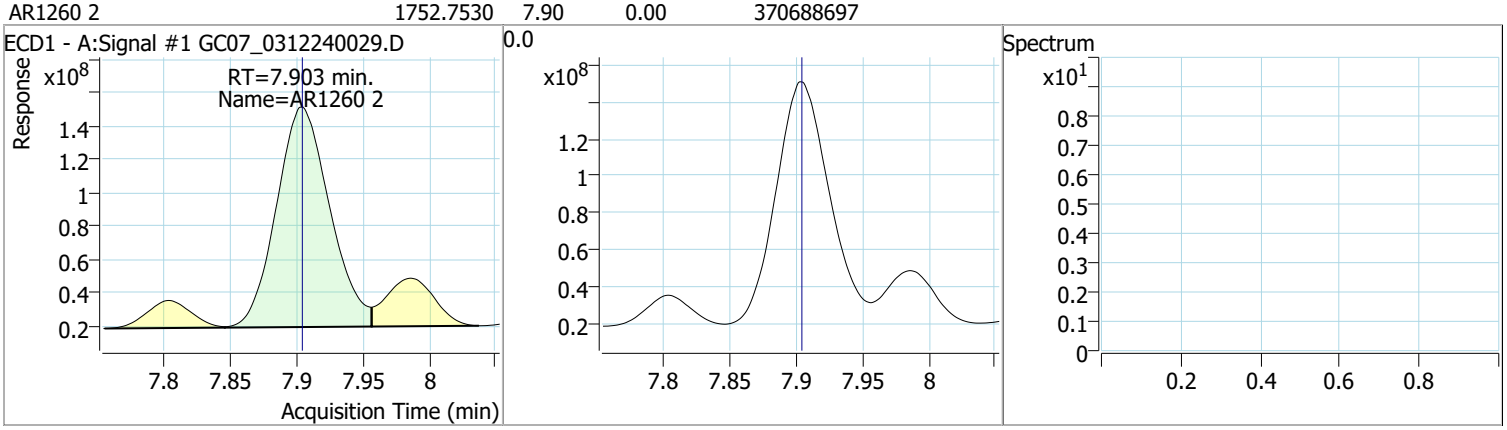
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1611.3615	6.77	0.00	19311130				



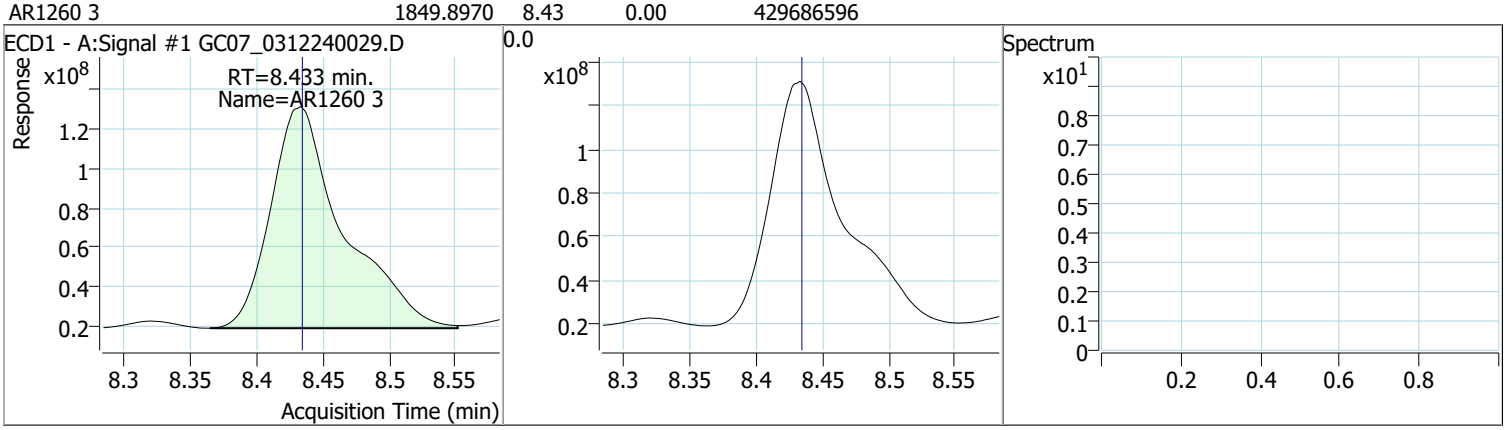
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1725.9760	7.45	0.00	225716429				



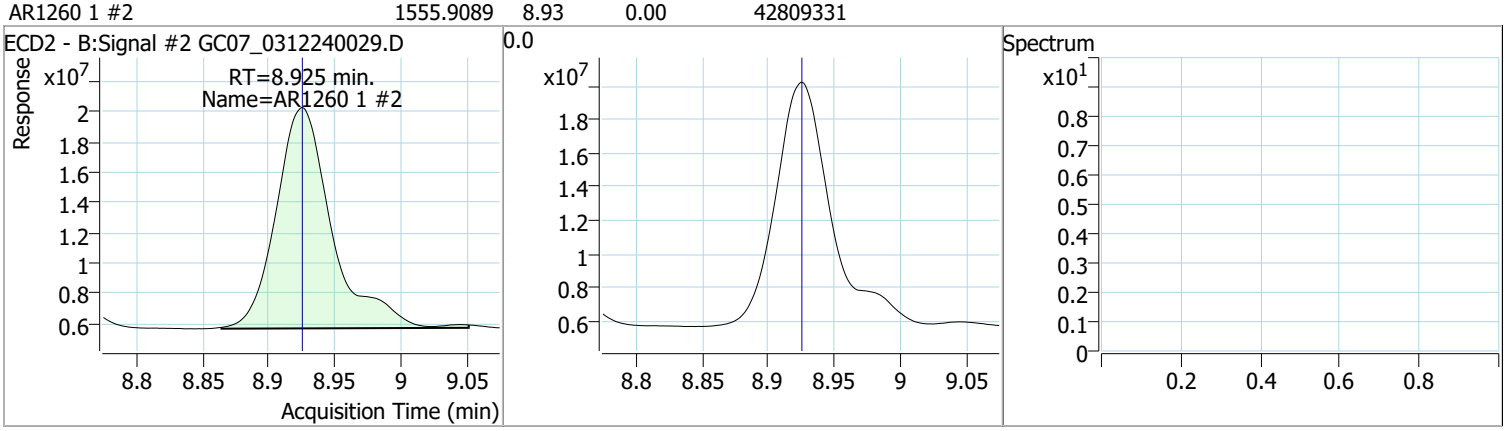
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1752.7530	7.90	0.00	370688697				



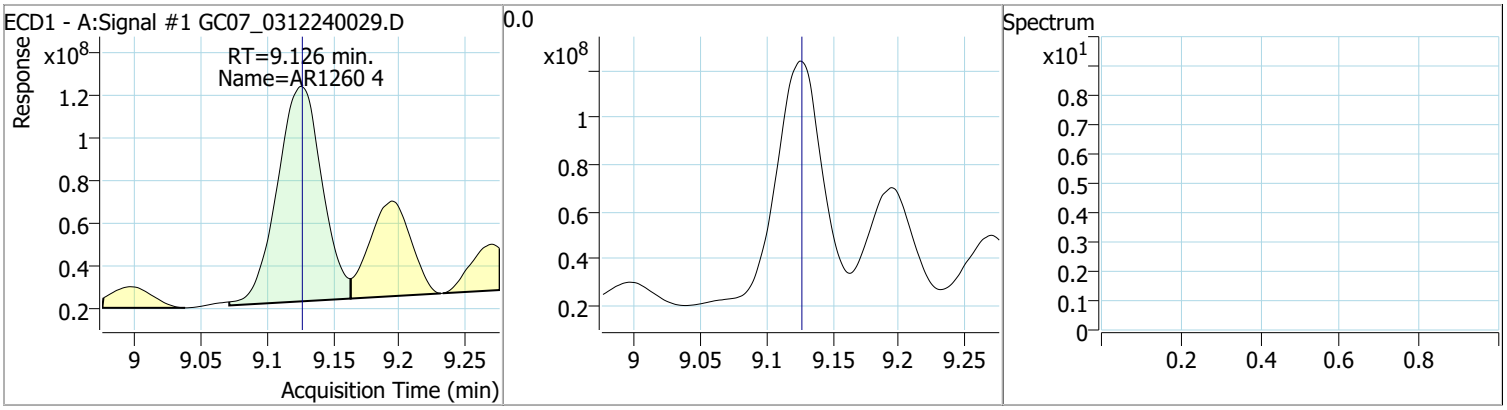
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1849.8970	8.43	0.00	429686596				



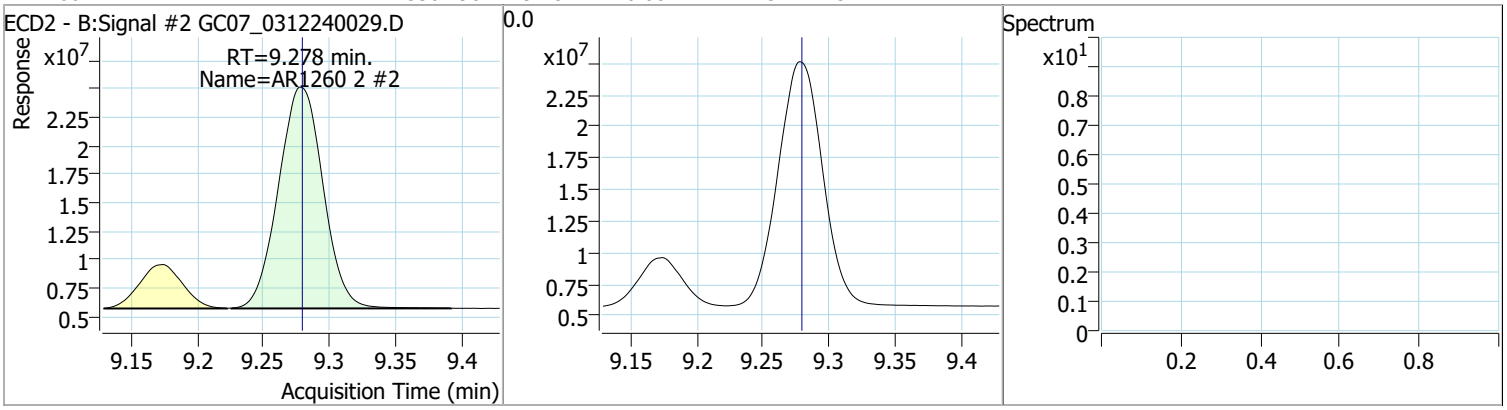
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1555.9089	8.93	0.00	42809331				



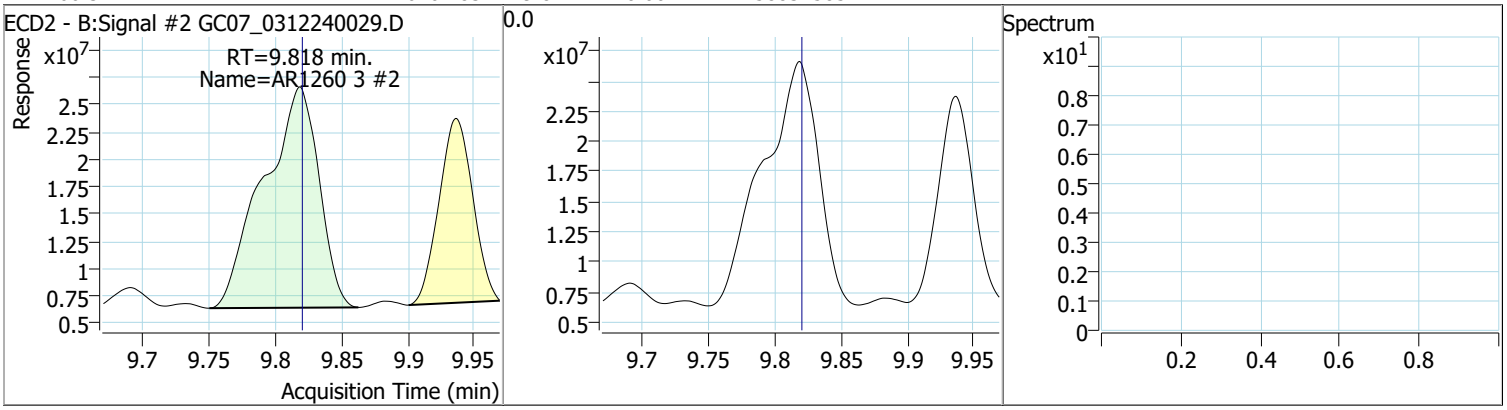
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1828.0593	9.13	0.00	238040553				



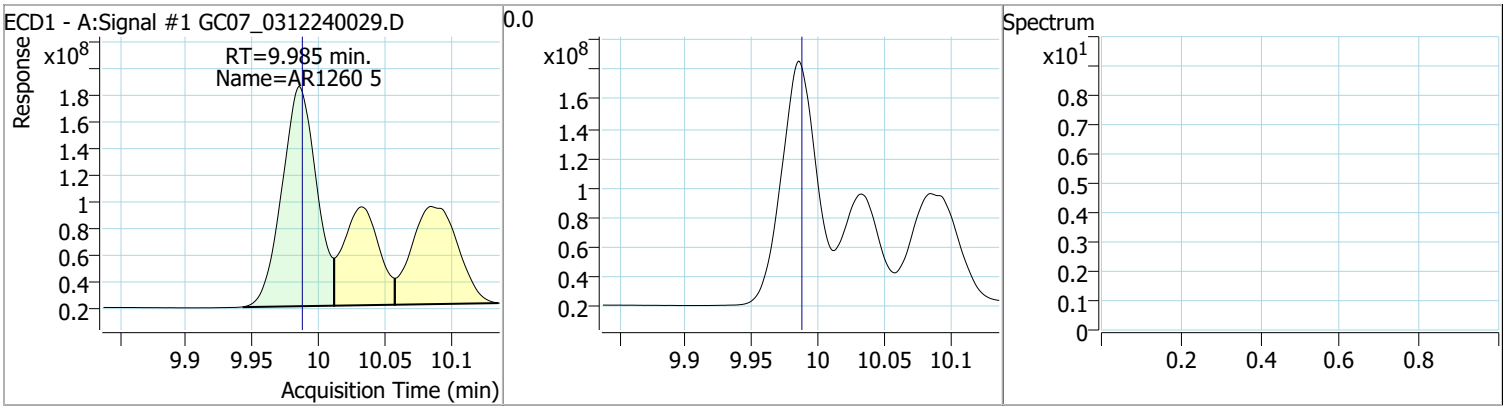
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1530.7982	9.28	0.00	45474425				



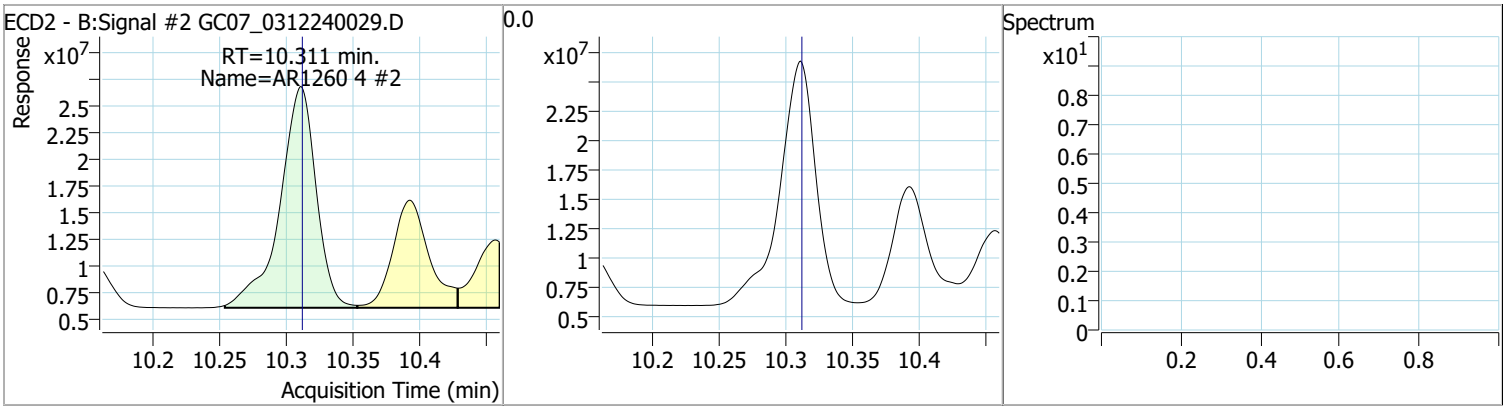
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1620.4837	9.82	0.00	58831585				



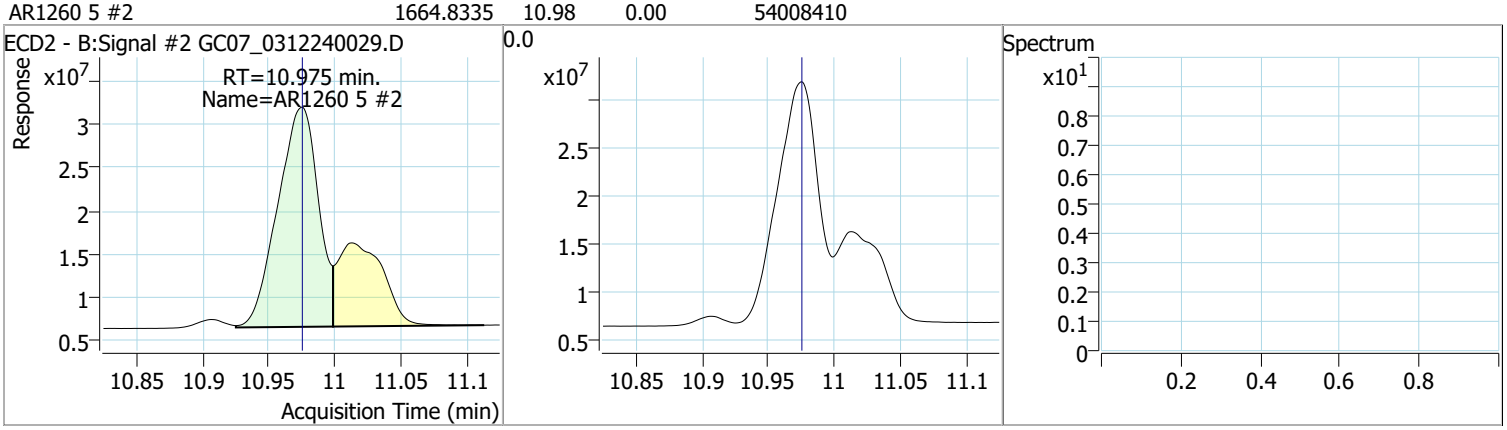
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1909.4119	9.99	0.00	298081941				



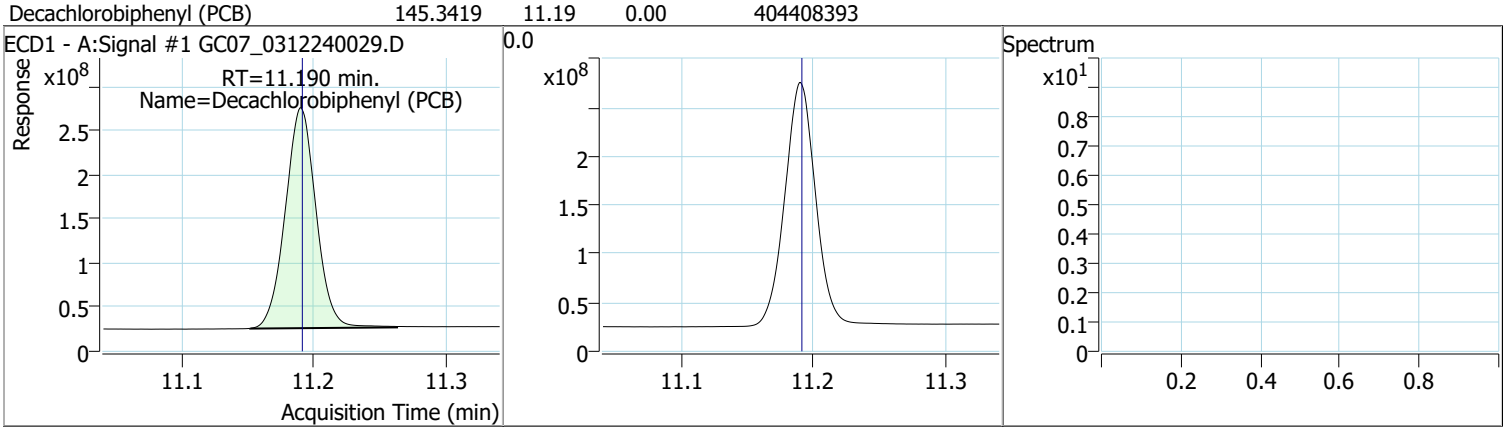
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1684.6460	10.31	0.00	39453815				



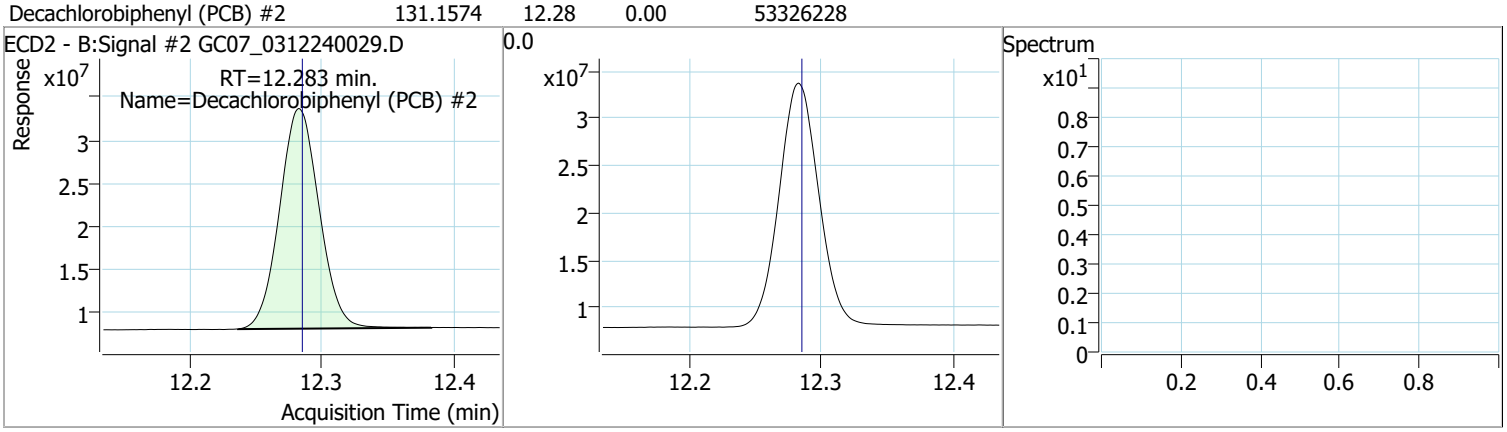
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1664.8335	10.98	0.00	54008410				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	145.3419	11.19	0.00	404408393				

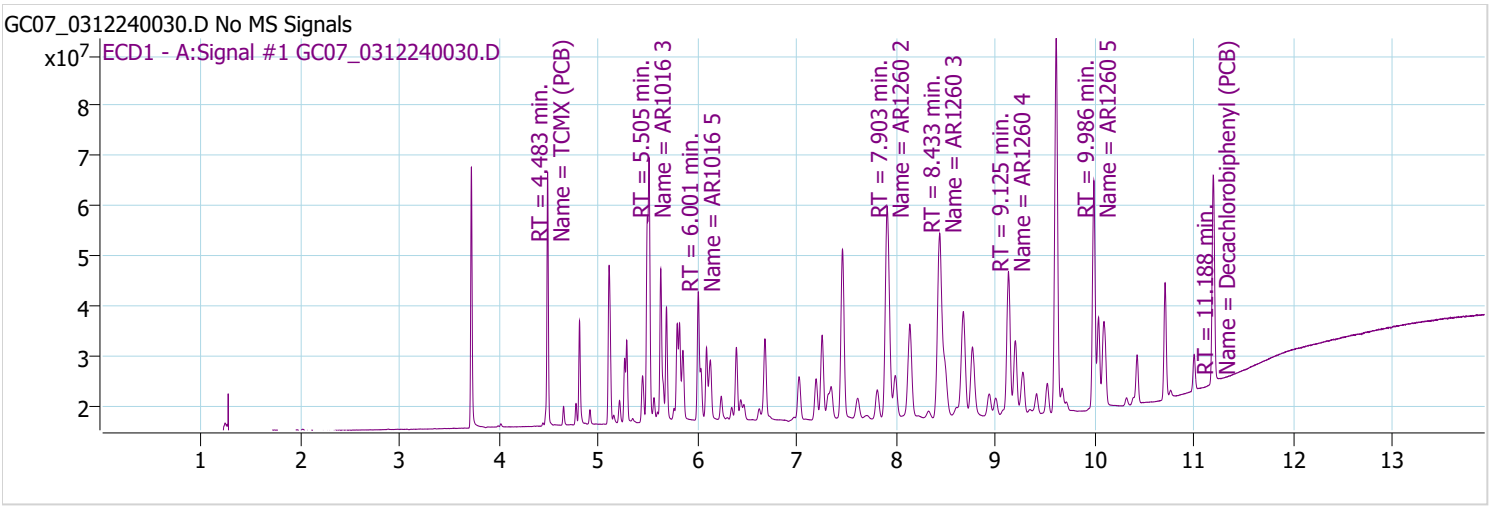


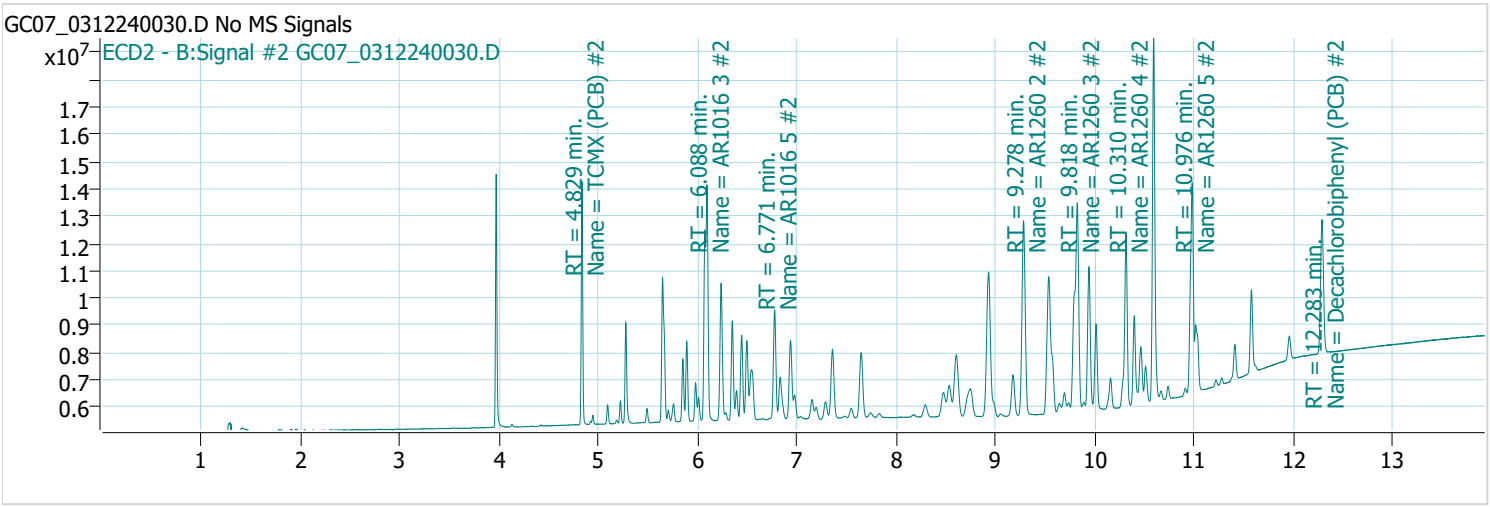
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	131.1574	12.28	0.00	53326228				



Quantitation Results Report (Not Reviewed)

Data File	GC07_0312240030.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/13/2024 6:31:06 AM
Sample Name	ICV, S19897	Instrument	SVOA-GC07
Vial	21	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_1.m	Comment	500 PPB PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	031224PCBICAL.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



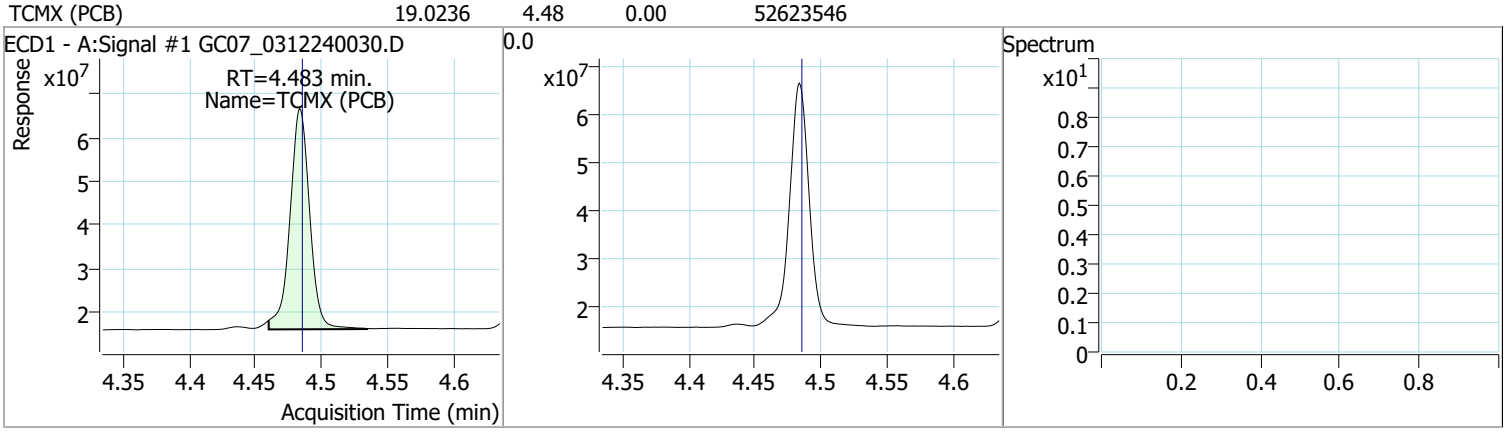


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.716	0.0	54518844.803	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.965	0.0	9233585.536	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.483	0.0	52623546.324	19.0236	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.12%		
S TCMX (PCB) #2	4.829	0.0	9137103.251	19.6751	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 98.38%		
S Decachlorobiphenyl (PCB)	11.188	0.0	72121893.602	20.5780	ng/ml	-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 102.89%		
S Decachlorobiphenyl (PCB) #2	12.283	0.0	10291807.007	20.2443	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 101.22%		
Target Compounds						QValue

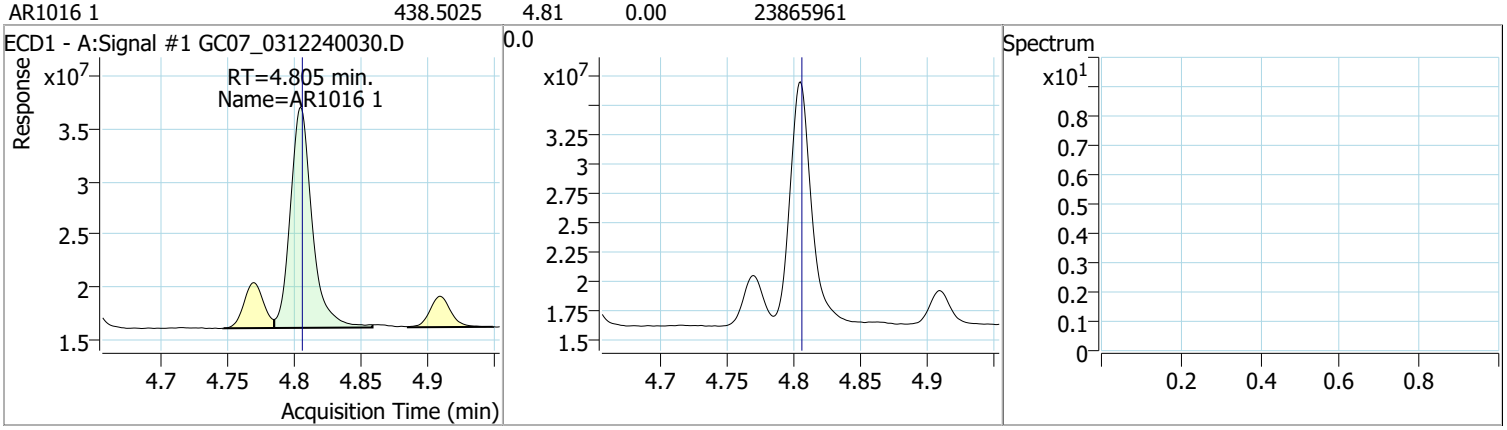
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.805	0.0	23865960.675	438.5025	ng/ml		100
T AR1016 2	5.103	0.0	47873562.254	474.8521	ng/ml		100
T AR1016 1 #2	5.271	0.0	4533822.761	459.5854	ng/ml		100
T AR1016 3	5.505	0.0	69512906.144	497.3941	ng/ml	m	100
T AR1016 4	5.623	0.0	45398289.904	486.9556	ng/ml		100
T AR1016 2 #2	5.642	0.0	9601095.580	468.2580	ng/ml		100
T AR1016 5	6.001	0.0	36879161.512	468.5967	ng/ml	m	100
T AR1016 3 #2	6.088	0.0	12090729.171	453.9974	ng/ml	m	100
T AR1016 4 #2	6.231	0.0	8445576.394	478.8234	ng/ml		100
T AR1016 5 #2	6.771	0.0	6948896.172	463.7241	ng/ml		100
T AR1260 1	7.453	0.0	75845994.258	460.4354	ng/ml		100
T AR1260 2	7.903	0.0	122508247.805	459.8765	ng/ml		100
T AR1260 3	8.433	0.0	138528165.262	473.4764	ng/ml		100
T AR1260 1 #2	8.925	0.0	14868265.527	432.1799	ng/ml		100
T AR1260 4	9.125	0.0	64958220.688	396.0390	ng/ml		100
T AR1260 2 #2	9.278	0.0	16323502.932	439.4633	ng/ml		100
T AR1260 3 #2	9.818	0.0	21434109.575	472.1697	ng/ml		100
T AR1260 5	9.986	0.0	85122026.819	432.8829	ng/ml		100
T AR1260 4 #2	10.310	0.0	12004992.918	409.9587	ng/ml		100
T AR1260 5 #2	10.976	0.0	16218746.753	399.8391	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

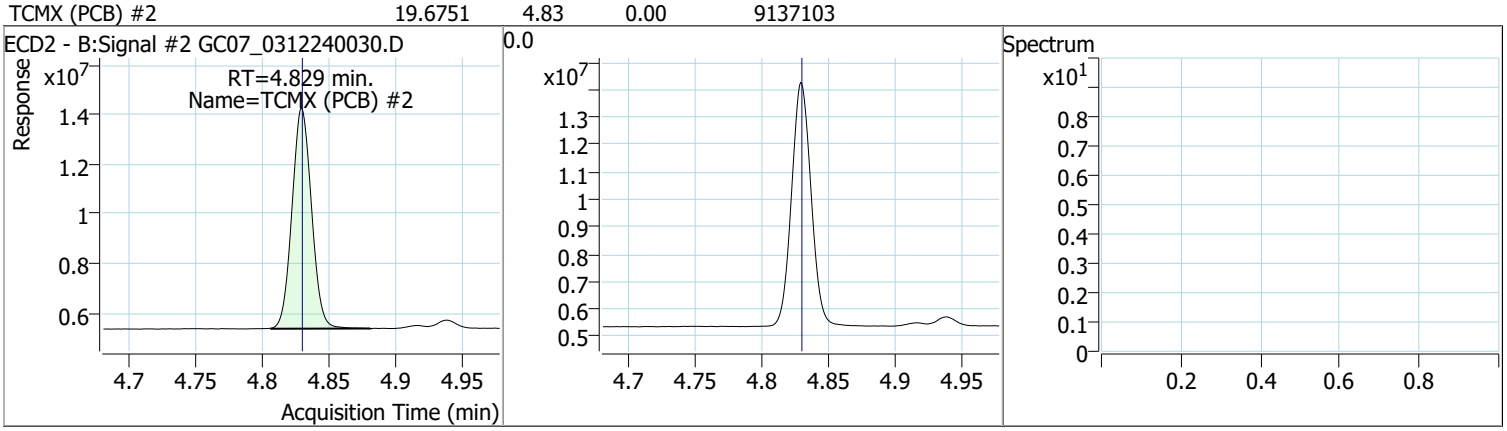
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	19.0236	4.48	0.00	52623546				



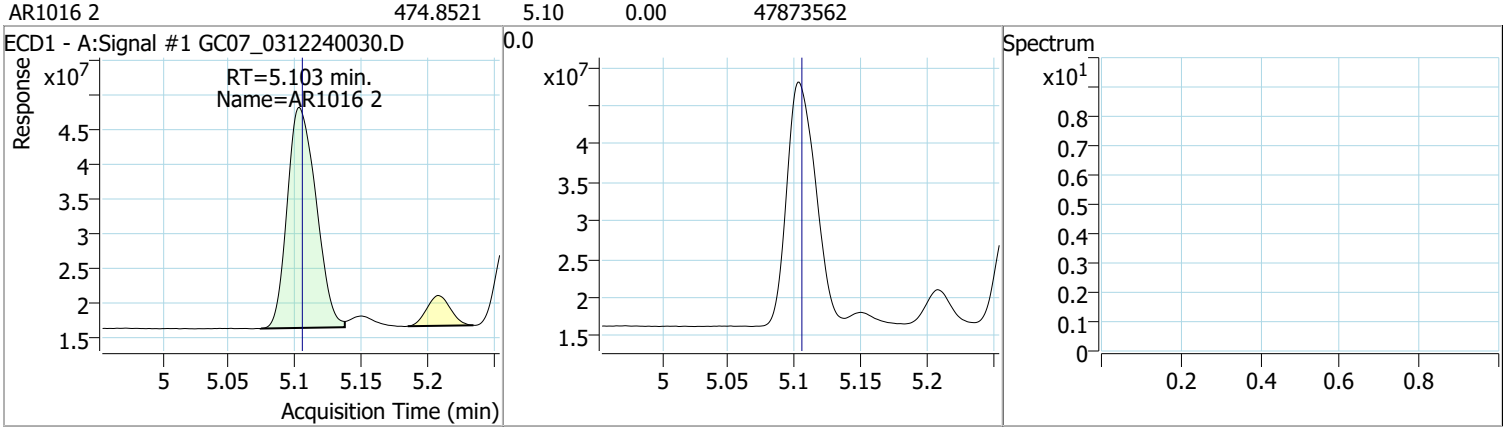
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	438.5025	4.81	0.00	23865961				



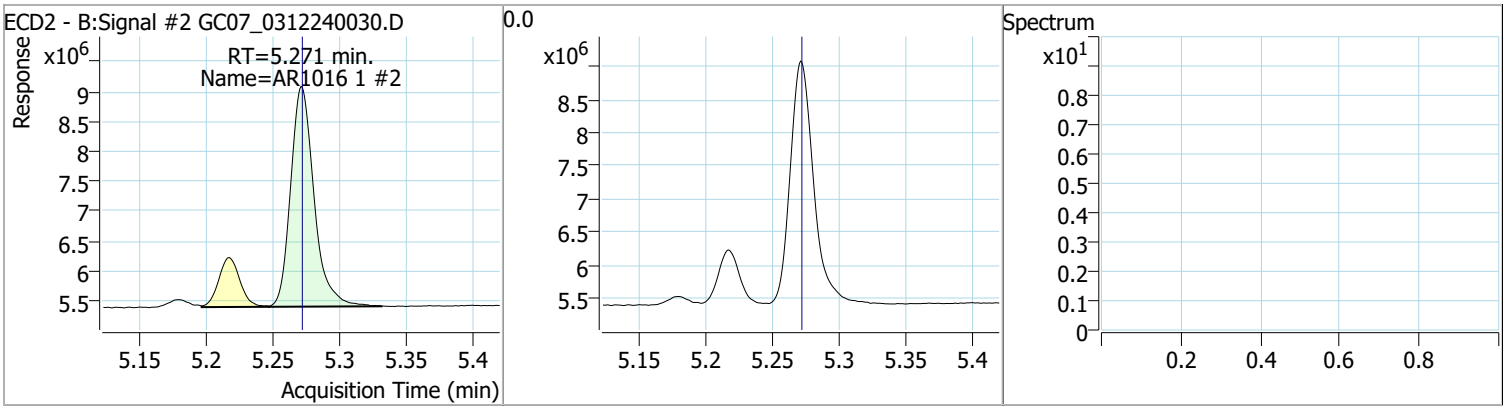
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.6751	4.83	0.00	9137103				



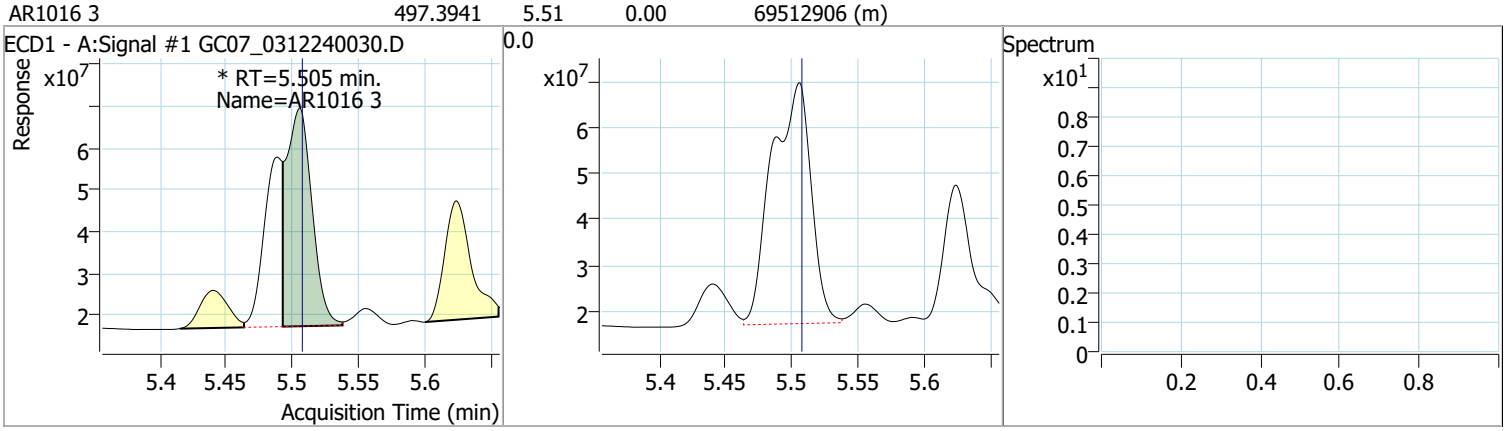
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	474.8521	5.10	0.00	47873562				



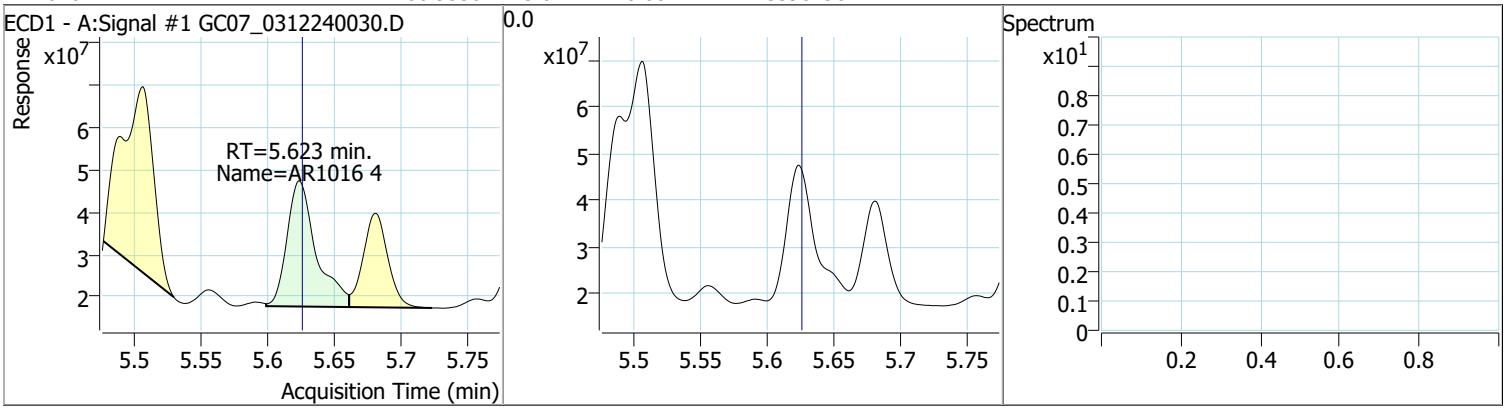
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	459.5854	5.27	0.00	4533823				



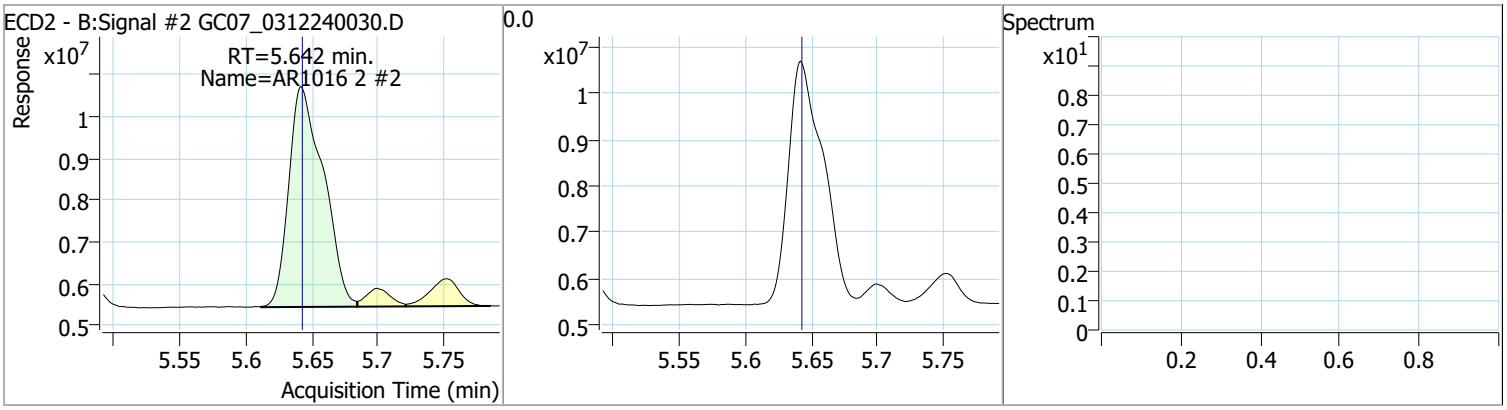
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	497.3941	5.51	0.00	69512906 (m)				



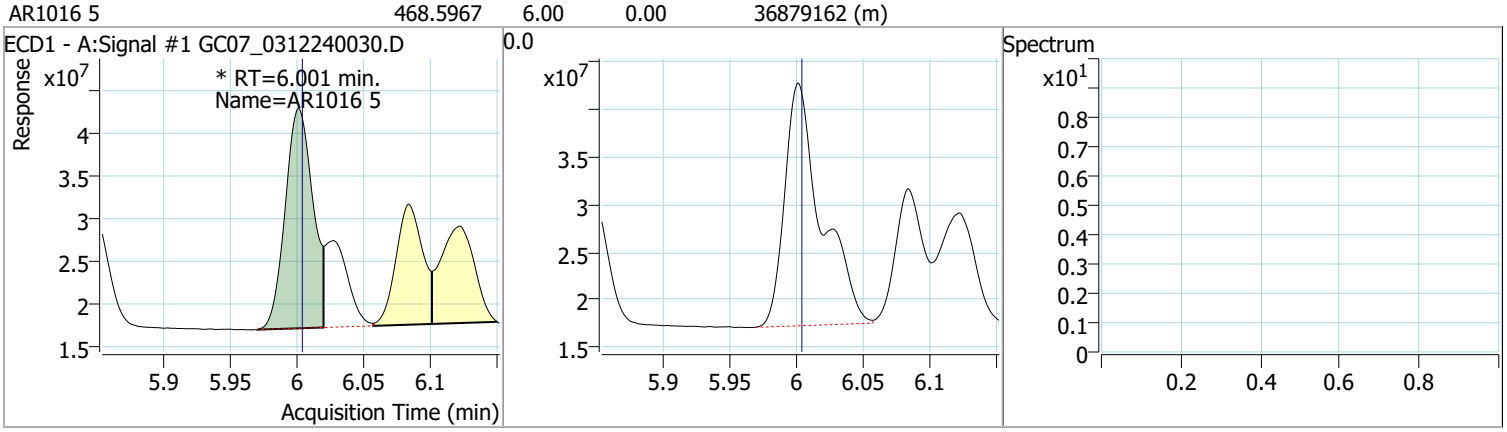
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	486.9556	5.62	0.00	45398290				



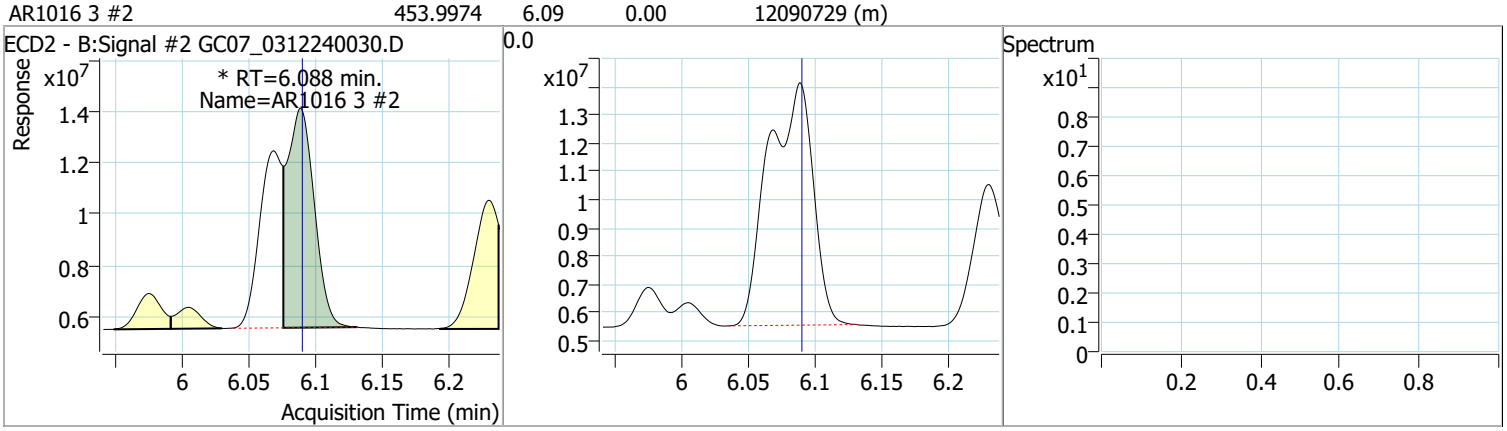
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	468.2580	5.64	0.00	9601096				



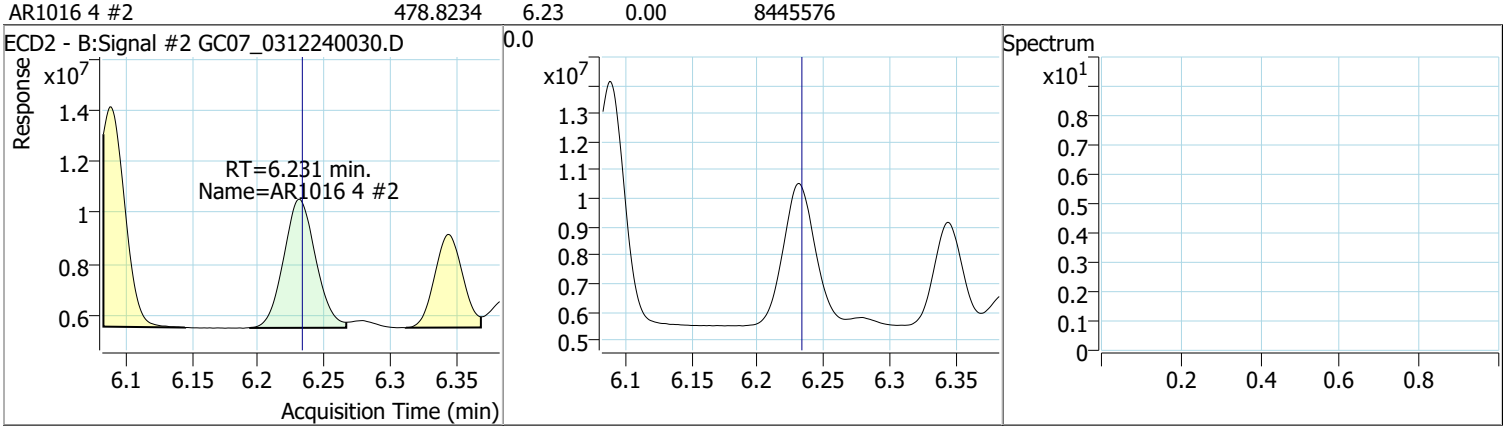
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	468.5967	6.00	0.00	36879162 (m)				



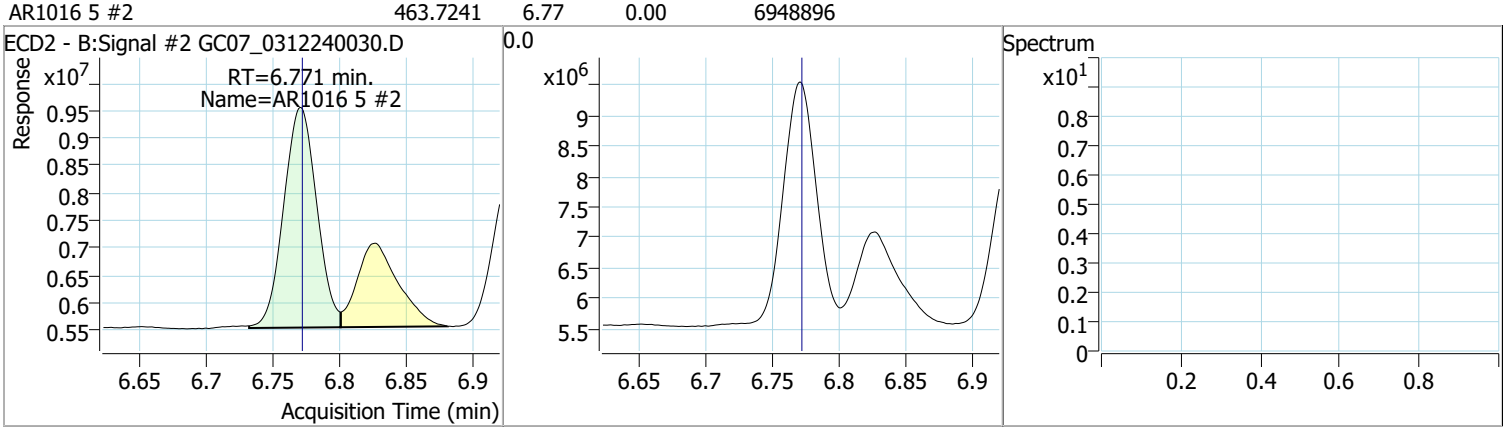
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	453.9974	6.09	0.00	12090729 (m)				



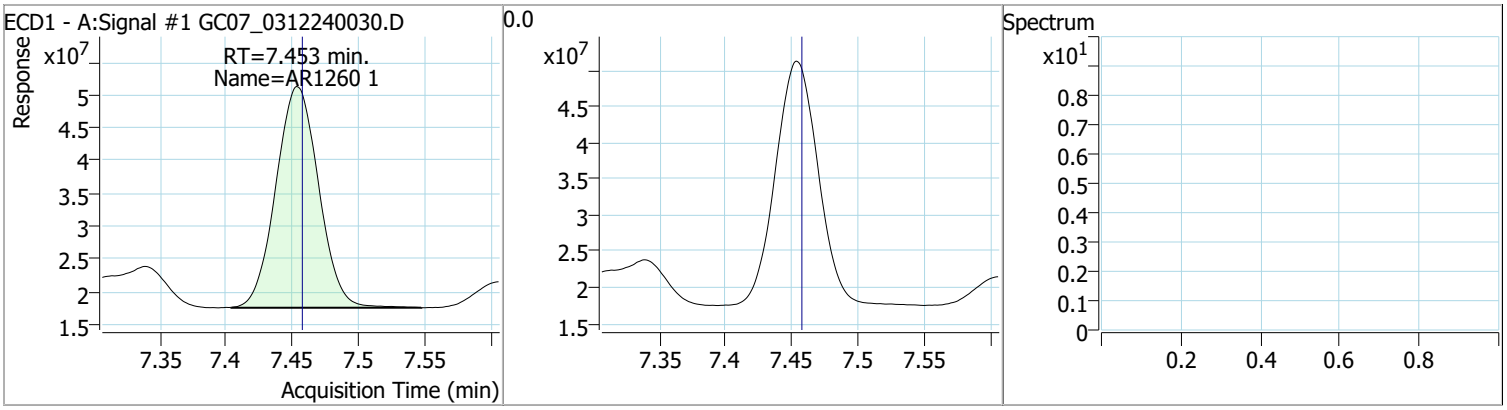
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	478.8234	6.23	0.00	8445576				



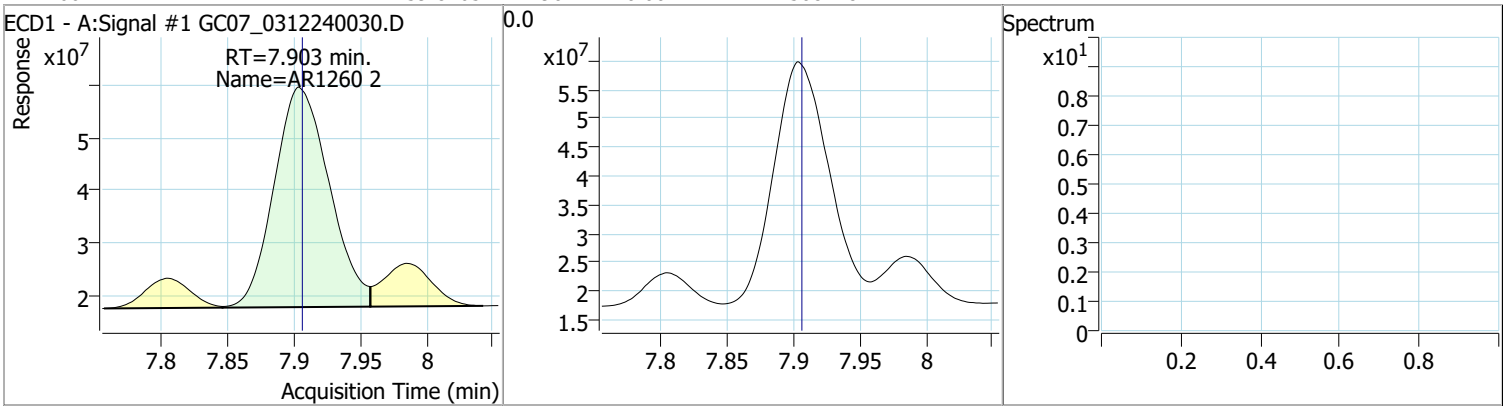
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	463.7241	6.77	0.00	6948896				



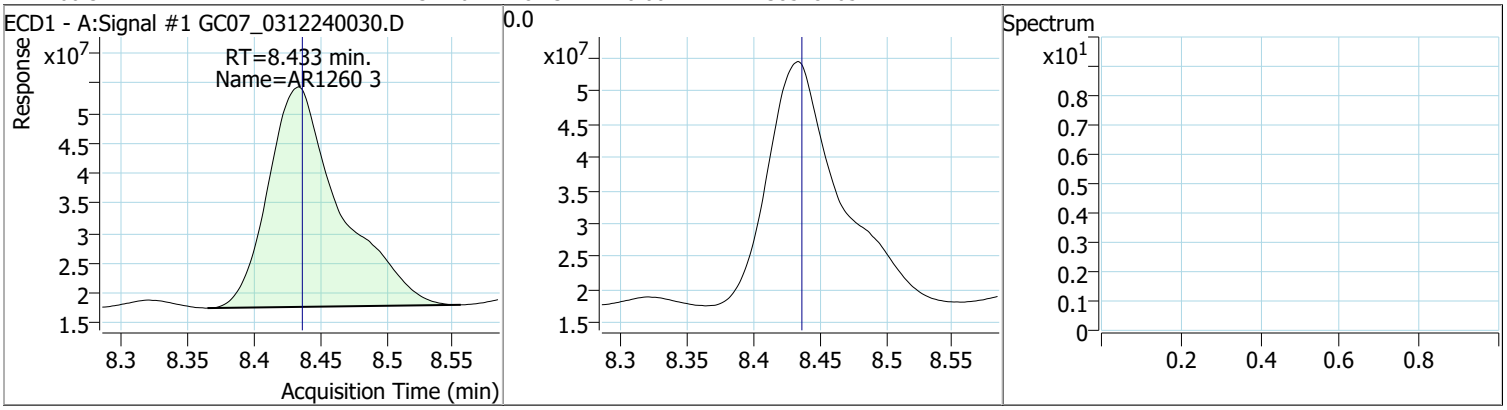
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	460.4354	7.45	0.00	75845994				



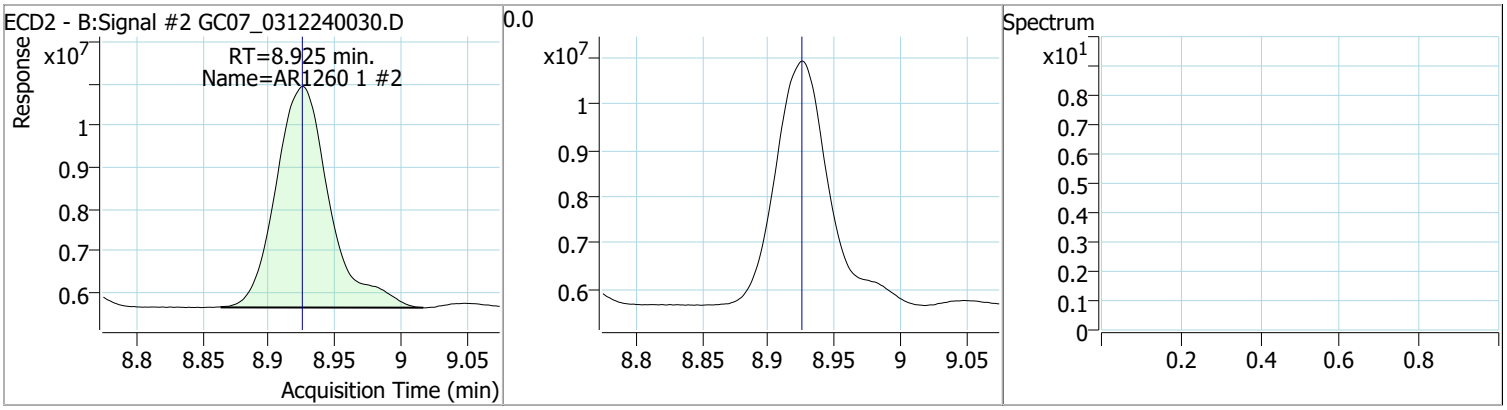
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	459.8765	7.90	0.00	122508248				



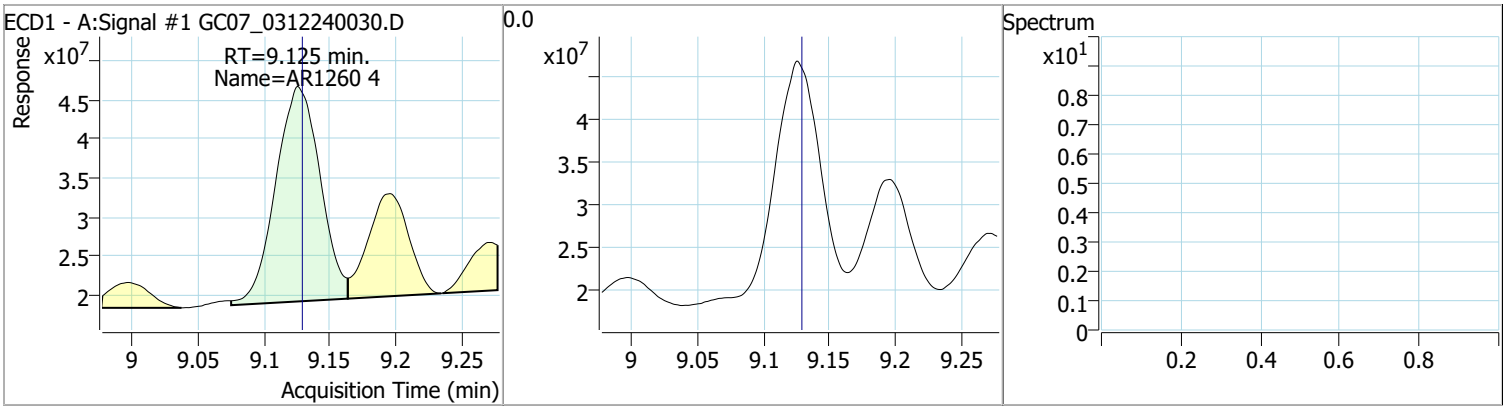
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	473.4764	8.43	0.00	138528165				



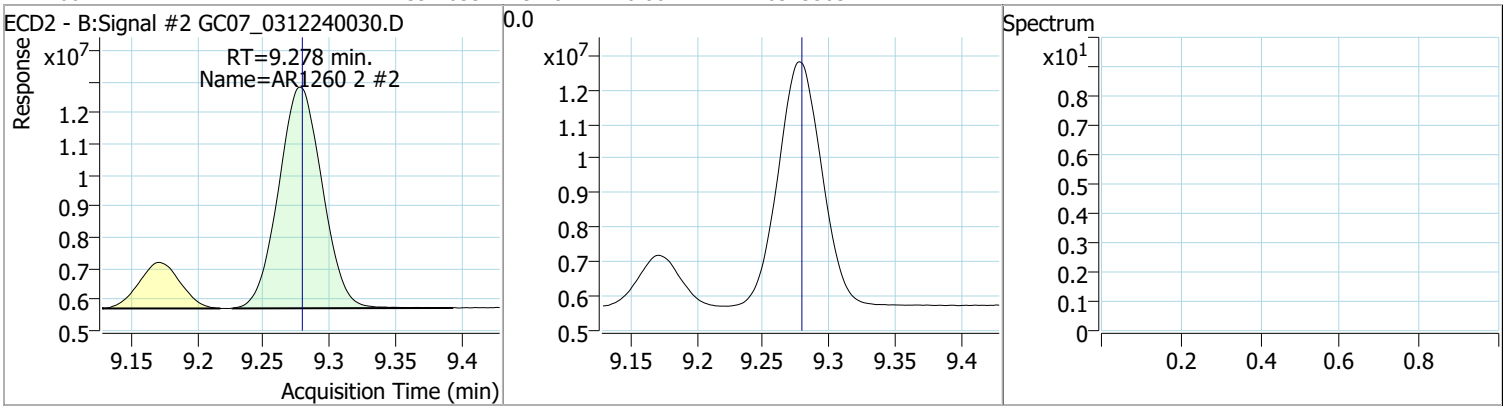
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	432.1799	8.93	0.00	14868266				



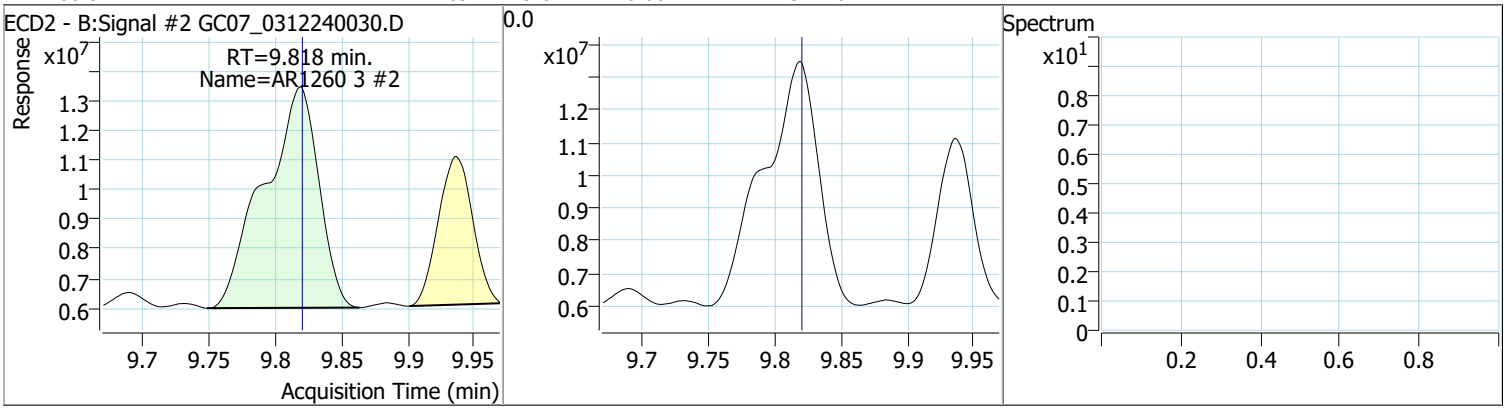
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	396.0390	9.13	0.00	64958221				



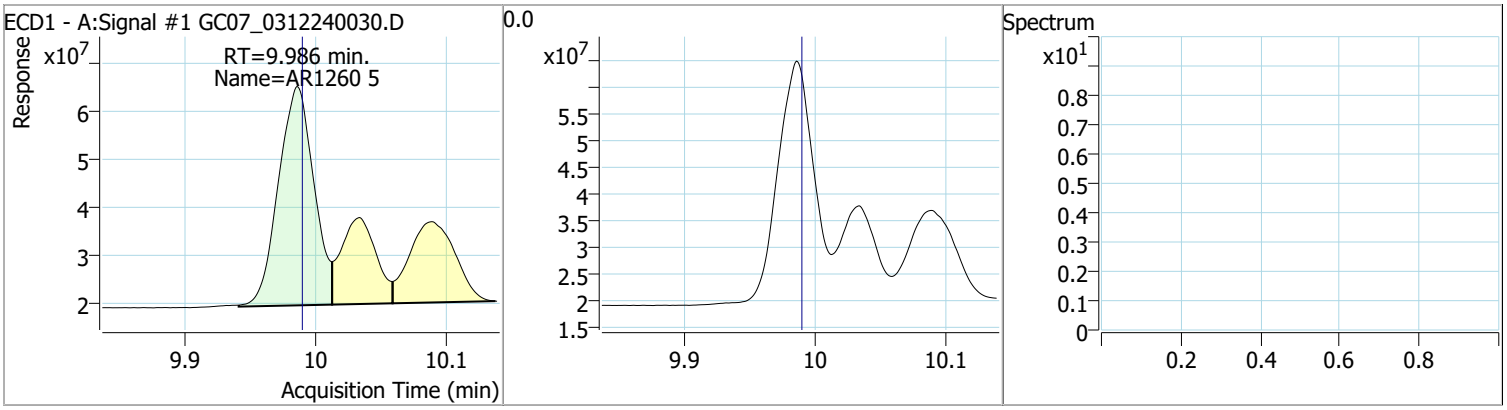
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	439.4633	9.28	0.00	16323503				



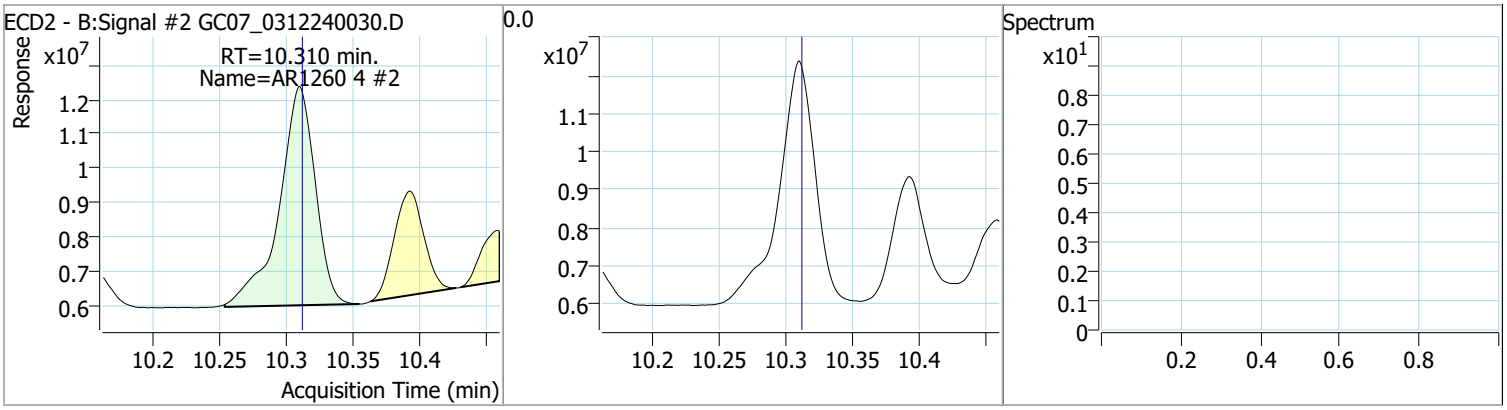
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	472.1697	9.82	0.00	21434110				



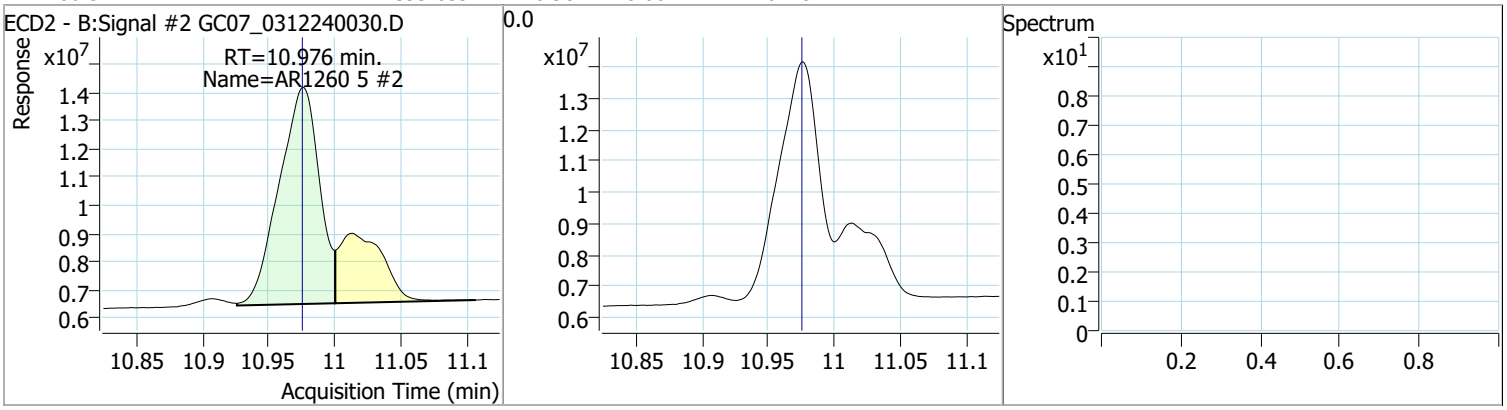
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	432.8829	9.99	0.00	85122027				



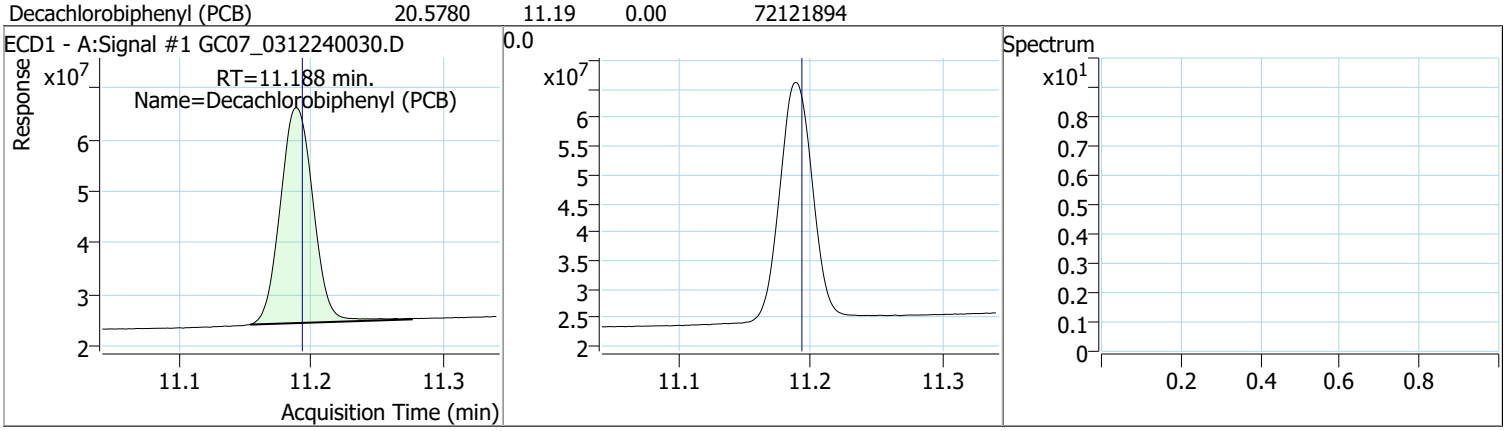
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	409.9587	10.31	0.00	12004993				



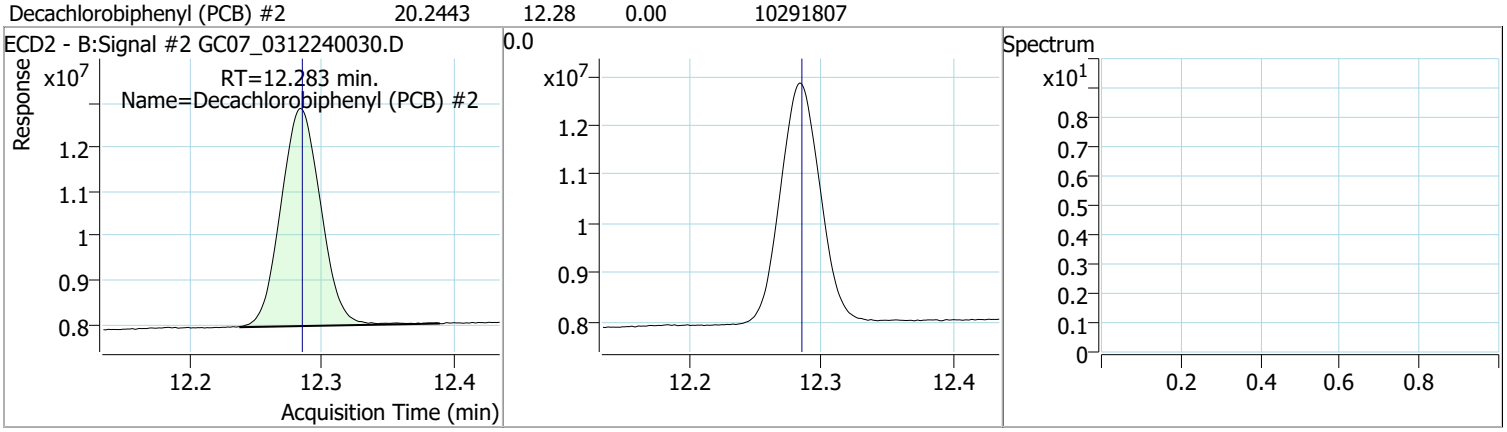
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	399.8391	10.98	0.00	16218747				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	20.5780	11.19	0.00	72121894				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	20.2443	12.28	0.00	10291807				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 504506 PCBS Wipe

EPA 8082

Inst:	SVOA-GC07			IDF:	1.0
Seqnum:	464118734104	File:	gc07_0322240104	Time:	22-MAR-2024 10:54
Cal:	464104819001	Caldate:	13-MAR-2024		

Standards: S20167

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	462.4	ug/L	-8	15	0.0000	
Aroclor-1260	A			500.0	495.0	ug/L	-1	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.2857	1.3602	40.00	42.32	pg/uL	6	15	0.0000	
TCMX (PCB)	A	1.0148	0.9136	40.00	36.01	pg/uL	-10	15	0.0000	
Aroclor-1016	B			500.0	462.6	ug/L	-7	15	0.0000	
Aroclor-1260	B			500.0	487.1	ug/L	-3	15	0.0000	
Decachlorobiphenyl (PCB)	B	1.1012	1.1699	40.00	42.50	pg/uL	6	15	0.0000	
TCMX (PCB)	B	1.0059	0.9067	40.00	36.06	pg/uL	-10	15	0.0000	

ISTD (ICAL gc07_0312240022)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	8183621	7009835	-14.34
1-bromo-2-nitrobenzene (PCB)	A	46949222	36910905	-21.38

03/22/24 : 500 PPB PCB CCV

TJW 03/24/24 [Aroclor-1016 A]: Corrected automatically drawn baseline.

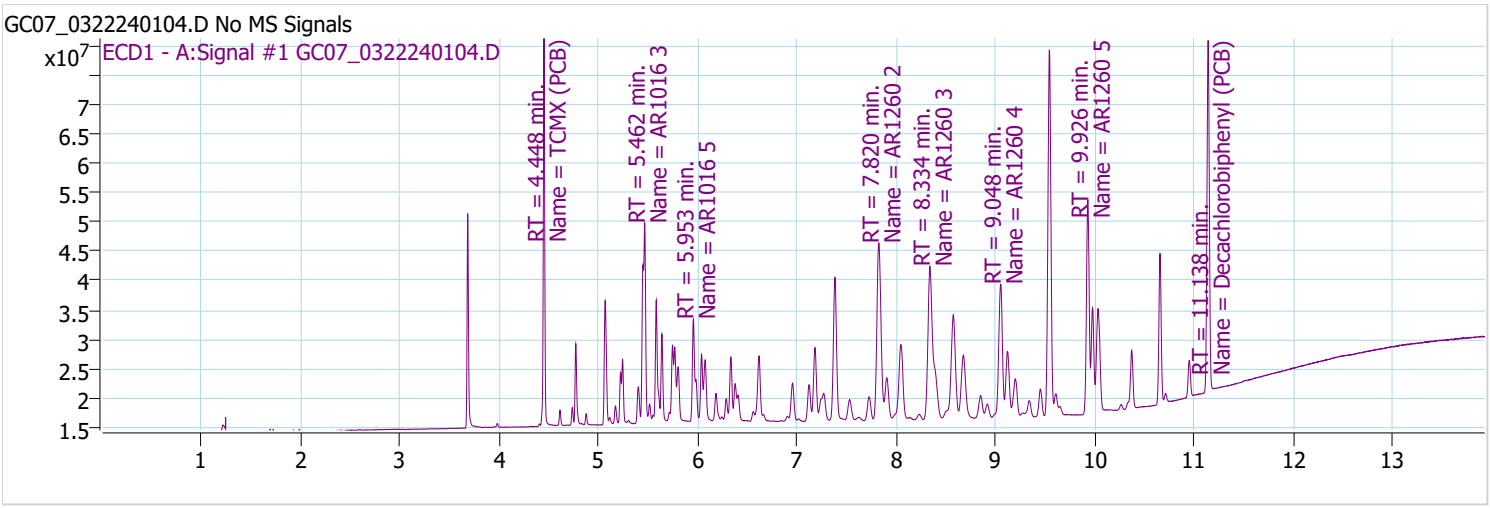
TJW 03/24/24 [Aroclor-1016 B]: Corrected automatically drawn baseline.

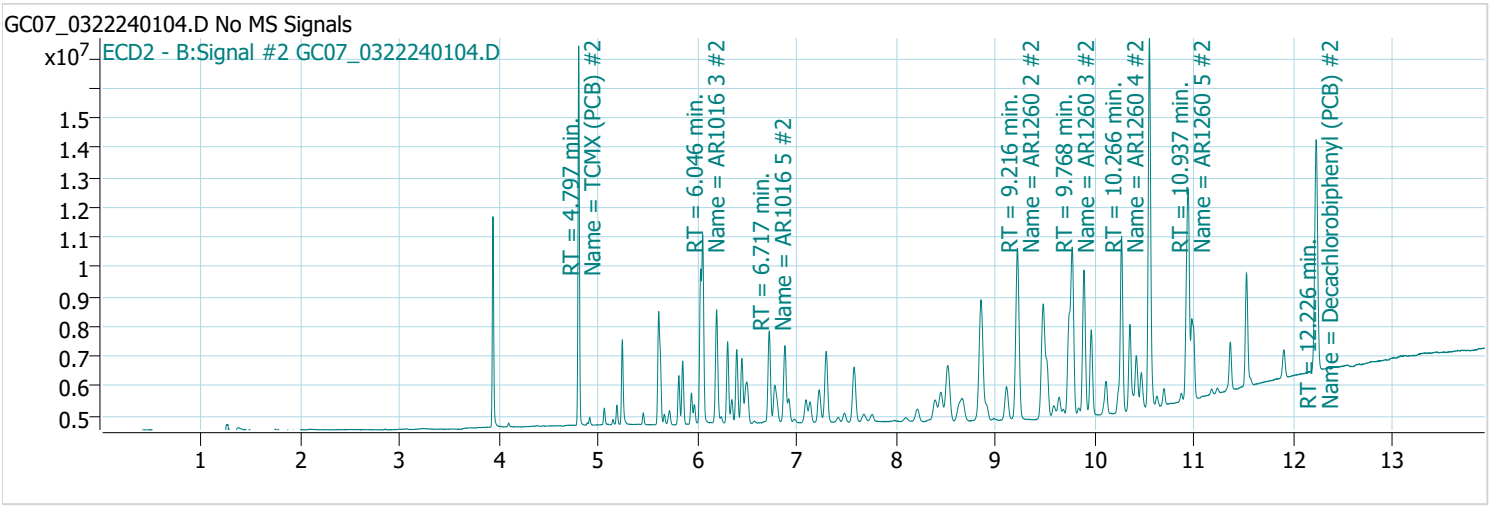
TJW 03/24/24 [Aroclor-1260 A]: Corrected automatically drawn baseline.

Analyst: TJW 03/24/24 **Reviewer:** LW 03/25/24

Quantitation Results Report (Not Reviewed)

Data File	GC07_0322240104.D	Operator	SVOA
Acq. Method	Acq_Pesticide_052623_4	Acq. Date-Time	3/22/2024 10:54:00 AM
Sample Name	CCV, S20167	Instrument	SVOA-GC07
Vial	144	Multiplier	1.00
DA Method File	PCB_608_031224_GC07_2.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	032224_PCB.batch.bin	Last Calib Update	3/13/2024 5:19:30 PM
Ref Library			



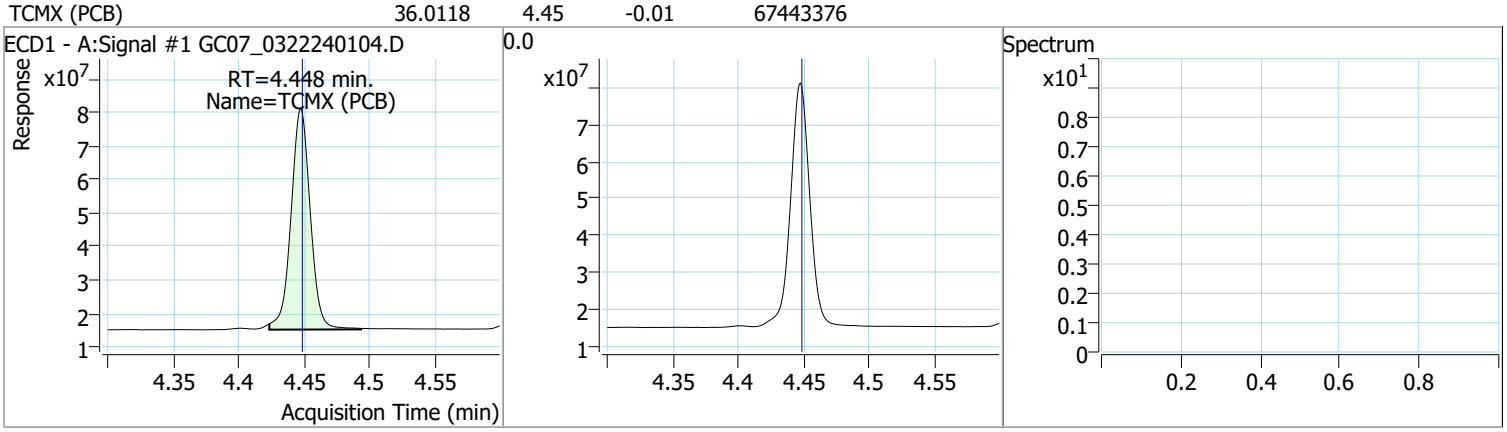


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.679	0.0	36910904.521	20.0000	ng/ml		-0.008
M 1-bromo-2-nitrobenzene (PCB) #2	3.933	0.0	7009835.247	20.0000	ng/ml		-0.003
System Monitoring Compounds							
S TCMX (PCB)	4.448	0.0	67443375.723	36.0118	ng/ml		-0.010
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.06%		*	
S TCMX (PCB) #2	4.797	0.0	12711961.908	36.0566	ng/ml		-0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 180.28%		*	
S Decachlorobiphenyl (PCB)	11.138	0.0	100409307.742	42.3157	ng/ml		-0.025
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 211.58%		*	
S Decachlorobiphenyl (PCB) #2	12.226	0.0	16401480.180	42.4968	ng/ml		-0.018
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 212.48%		*	
Target Compounds							QValue

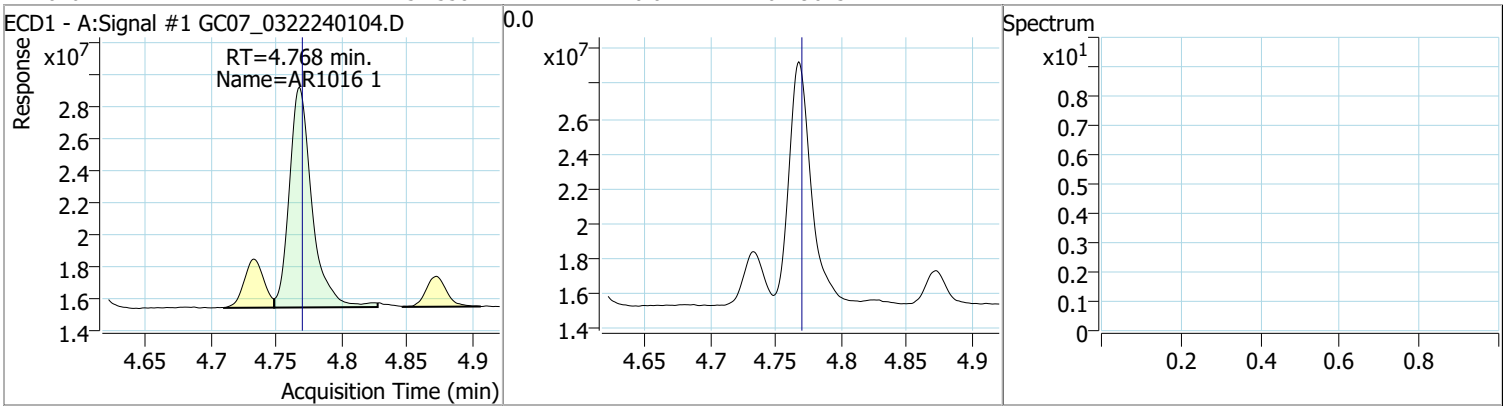
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.768	0.0	16749614.834	454.5587	ng/ml		100
T AR1016 2	5.063	0.0	31184356.045	456.8686	ng/ml		100
T AR1016 1 #2	5.236	0.0	3512233.660	468.9728	ng/ml		100
T AR1016 3	5.462	0.0	43084024.096	455.3479	ng/ml	m	100
T AR1016 4	5.578	0.0	29305874.960	464.2977	ng/ml		100
T AR1016 2 #2	5.603	0.0	6985772.567	448.7882	ng/ml		100
T AR1016 5	5.953	0.0	25632756.495	481.0669	ng/ml	m	100
T AR1016 3 #2	6.046	0.0	9233078.439	456.6779	ng/ml	m	100
T AR1016 4 #2	6.186	0.0	6261471.314	467.6114	ng/ml		100
T AR1016 5 #2	6.717	0.0	5355478.622	470.7656	ng/ml		100
T AR1260 1	7.378	0.0	53863112.233	482.9692	ng/ml		100
T AR1260 2	7.820	0.0	85579301.111	474.5004	ng/ml		100
T AR1260 3	8.334	0.0	96784221.274	488.6037	ng/ml		100
T AR1260 1 #2	8.849	0.0	12240193.277	468.6570	ng/ml		100
T AR1260 4	9.048	0.0	56520562.703	508.9818	ng/ml	m	100
T AR1260 2 #2	9.216	0.0	13218946.568	468.7796	ng/ml		100
T AR1260 3 #2	9.768	0.0	16981668.450	492.7601	ng/ml		100
T AR1260 5	9.926	0.0	69214819.354	519.8996	ng/ml		100
T AR1260 4 #2	10.266	0.0	11069344.519	497.9235	ng/ml		100
T AR1260 5 #2	10.937	0.0	15623463.774	507.3502	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

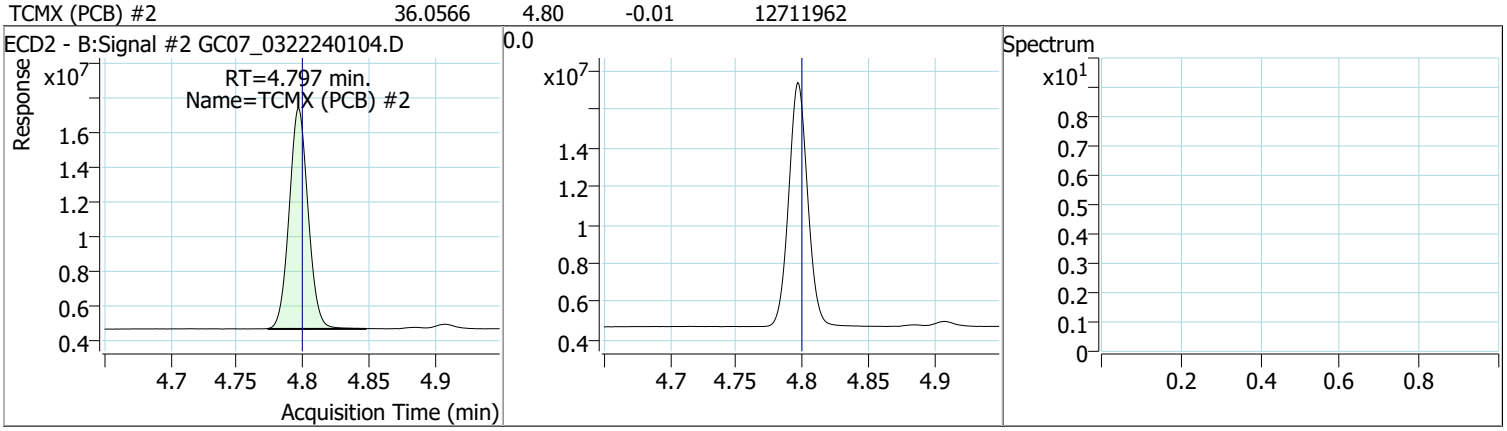
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.0118	4.45	-0.01	67443376				



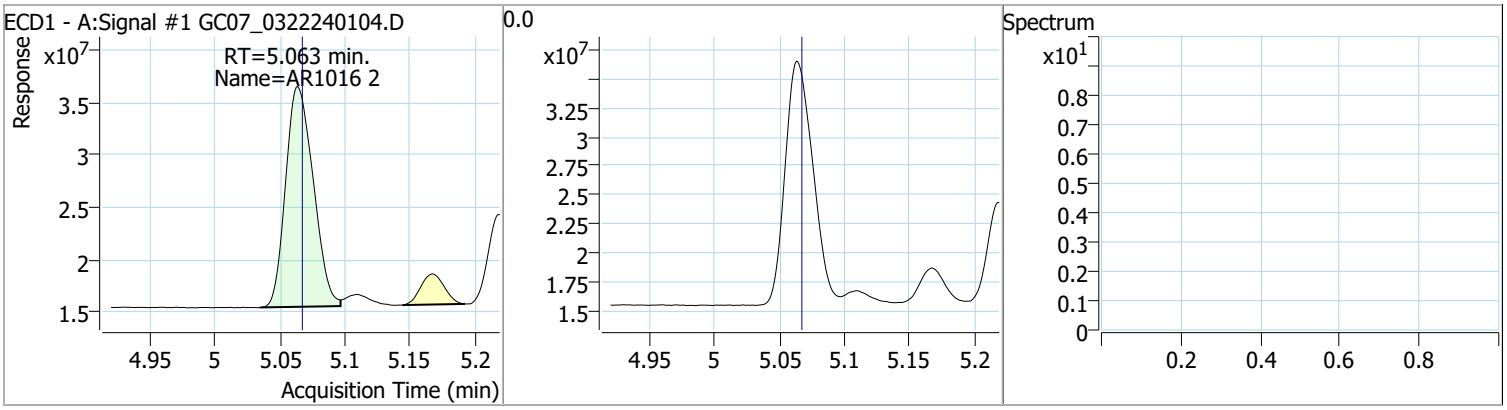
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	454.5587	4.77	-0.01	16749615				



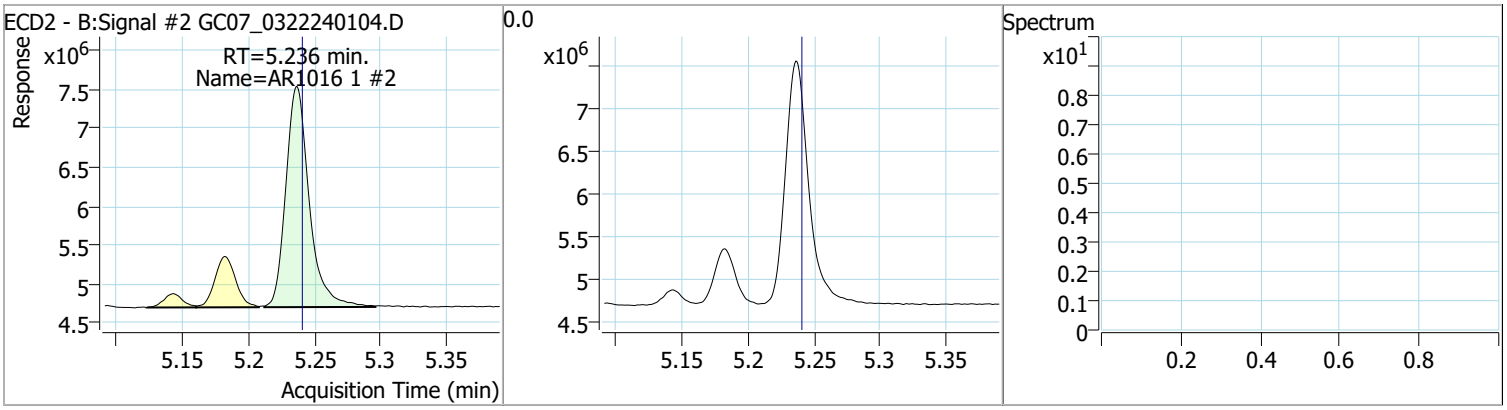
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.0566	4.80	-0.01	12711962				



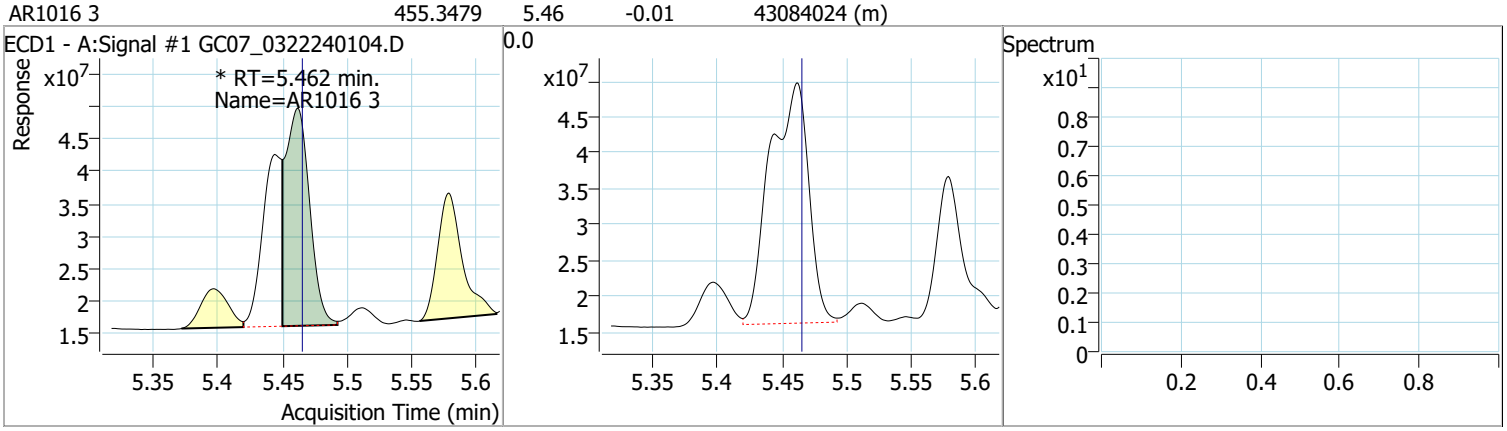
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	456.8686	5.06	-0.01	31184356				



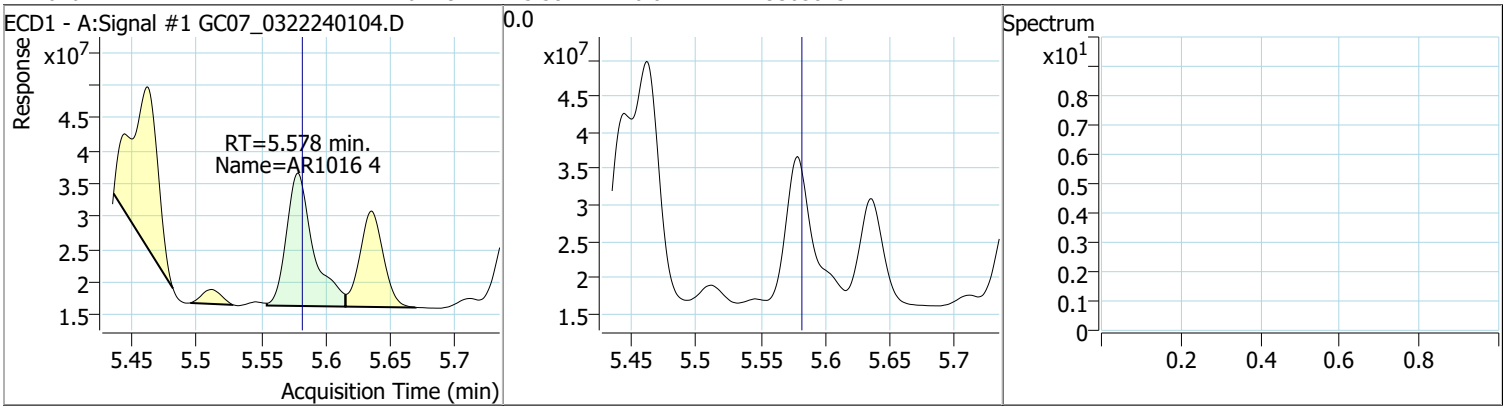
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	468.9728	5.24	-0.01	3512234				



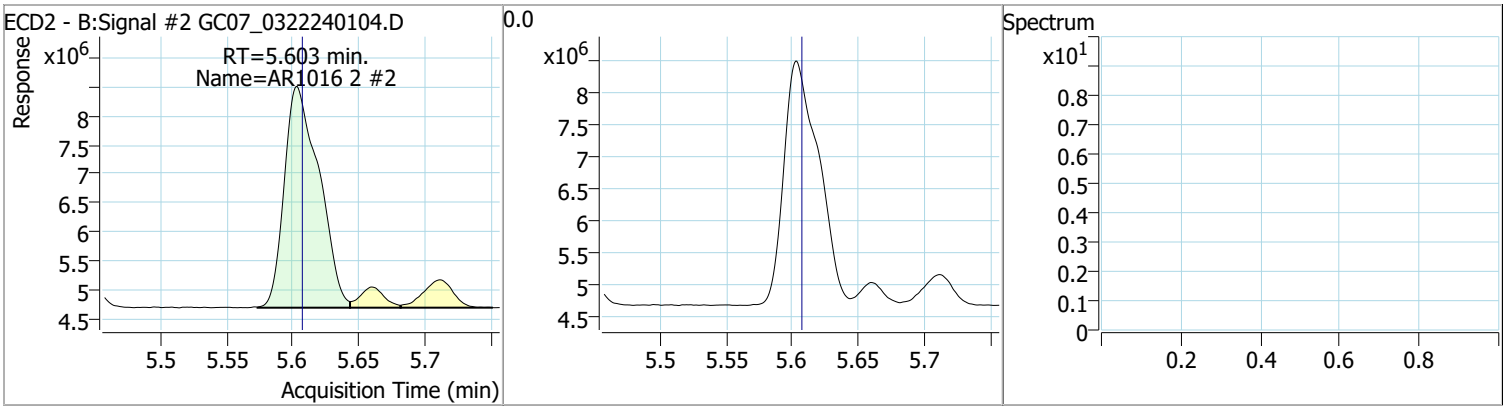
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	455.3479	5.46	-0.01	43084024 (m)				



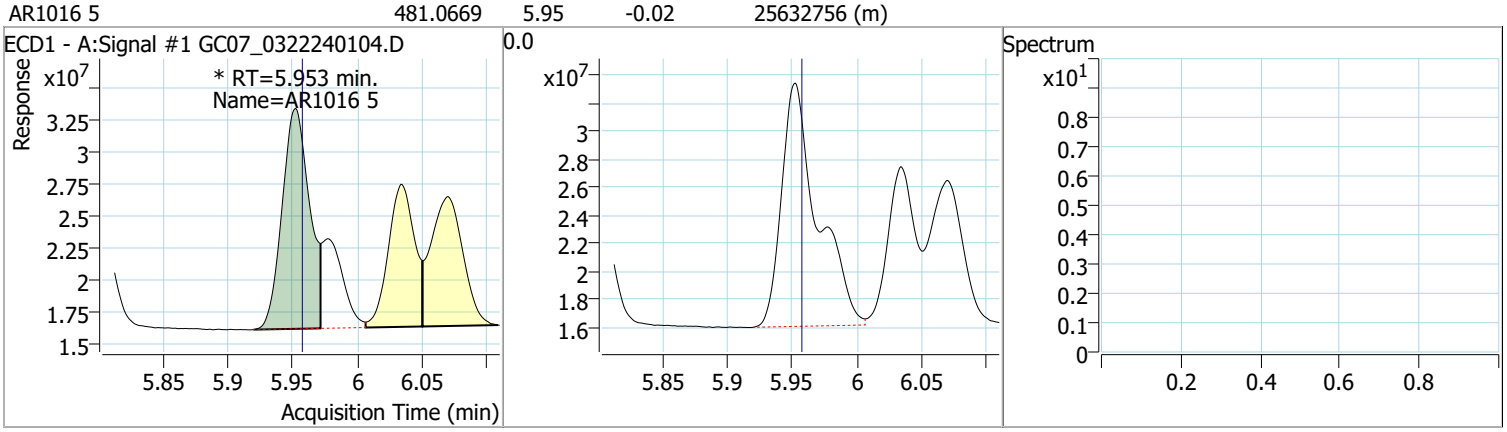
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	464.2977	5.58	-0.01	29305875				



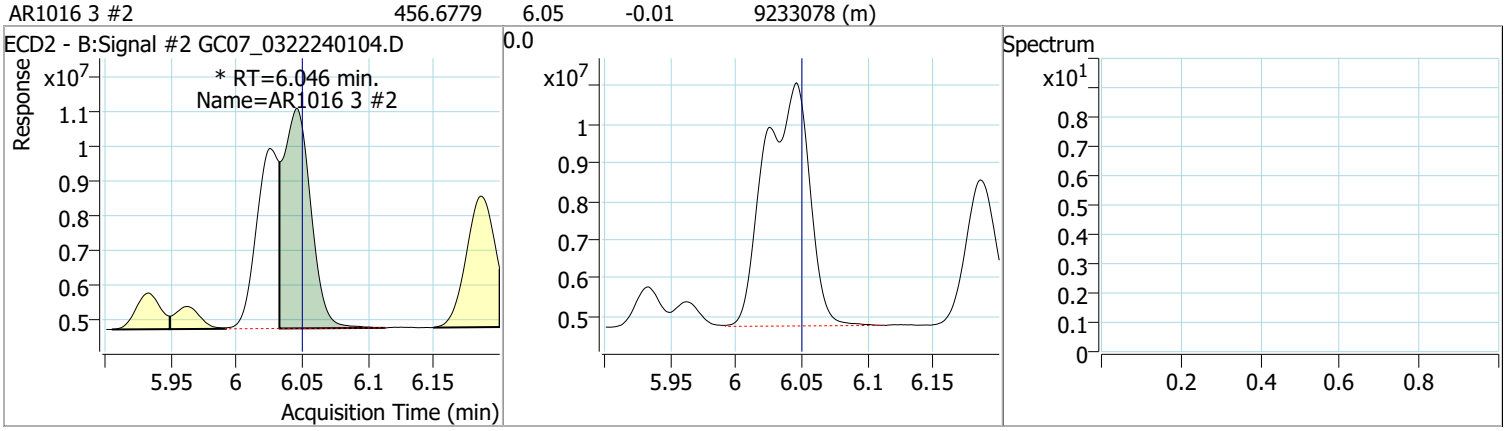
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	448.7882	5.60	-0.01	6985773				



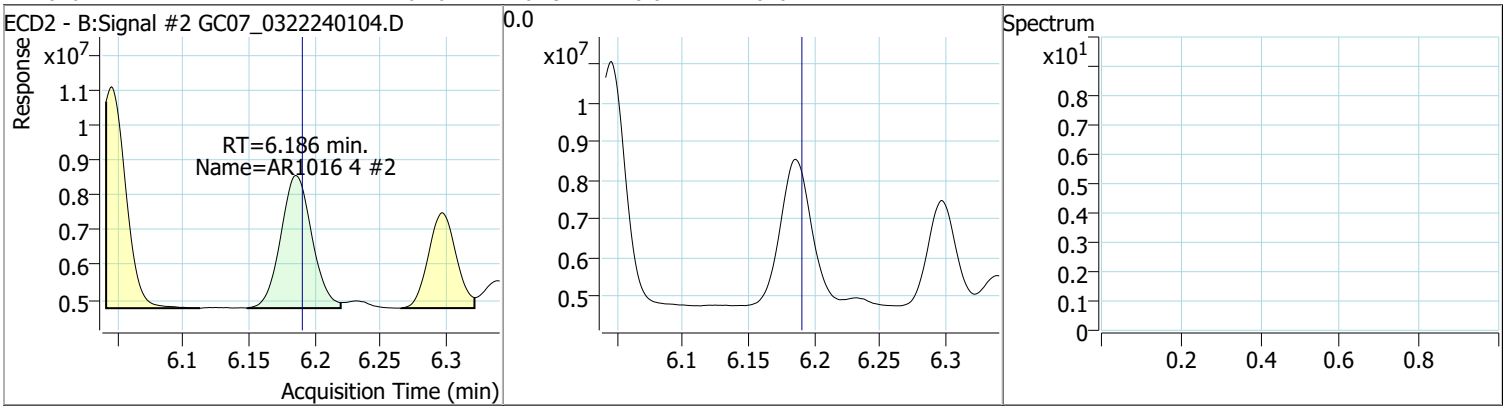
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	481.0669	5.95	-0.02	25632756 (m)				



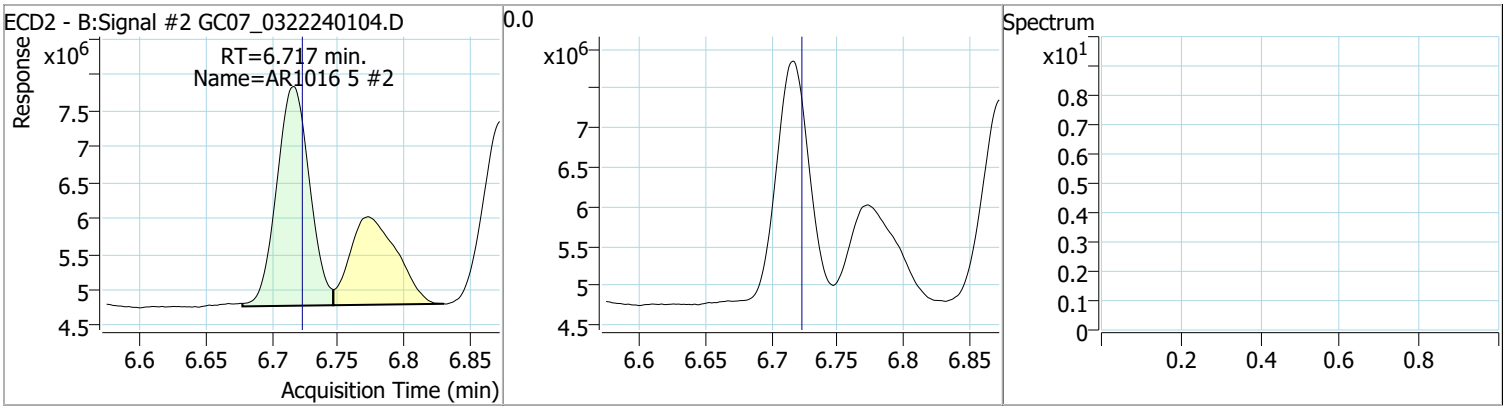
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	456.6779	6.05	-0.01	9233078 (m)				



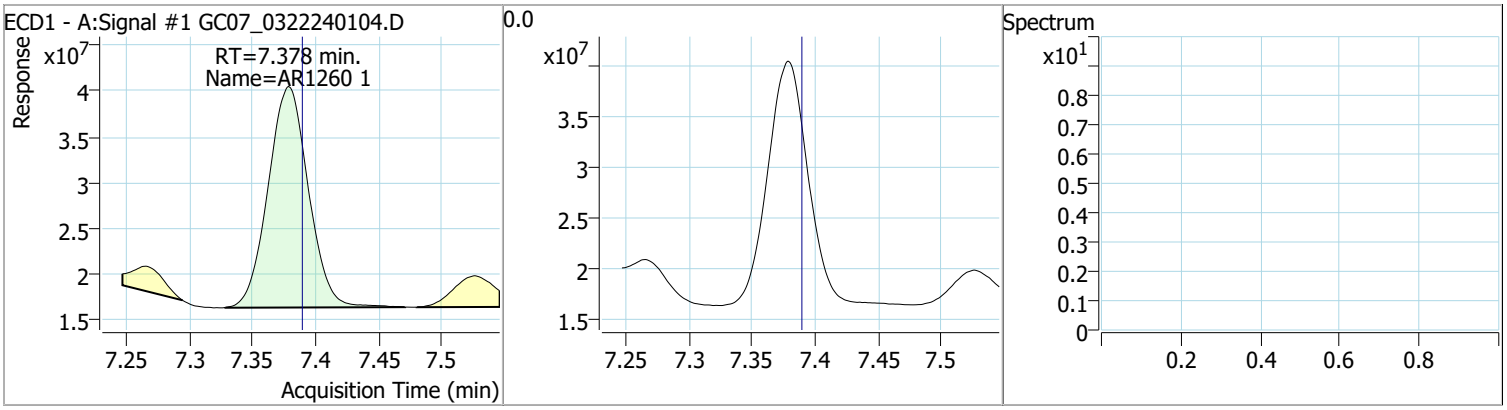
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	467.6114	6.19	-0.01	6261471				



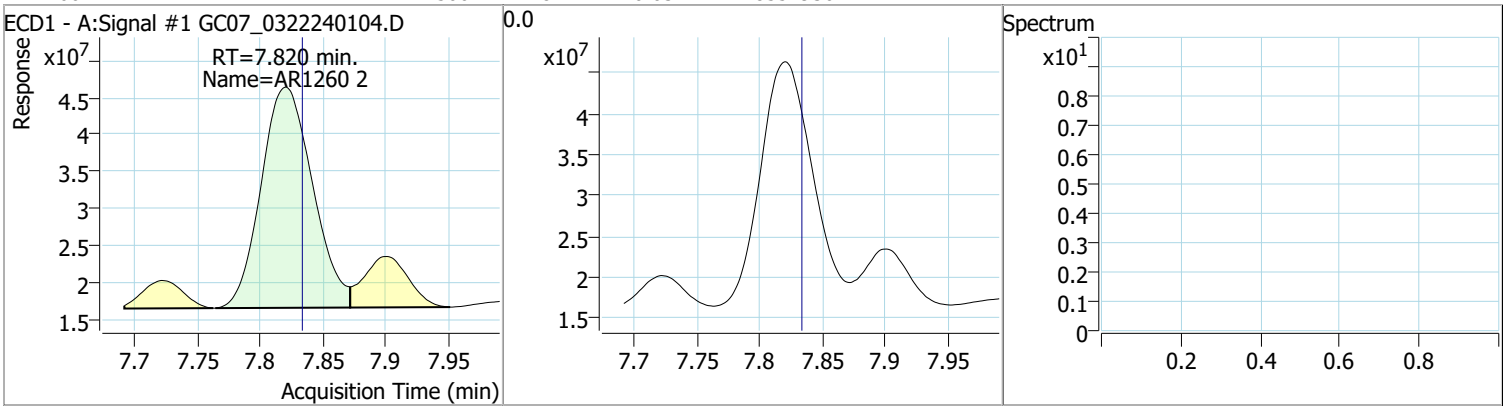
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	470.7656	6.72	-0.01	5355479				



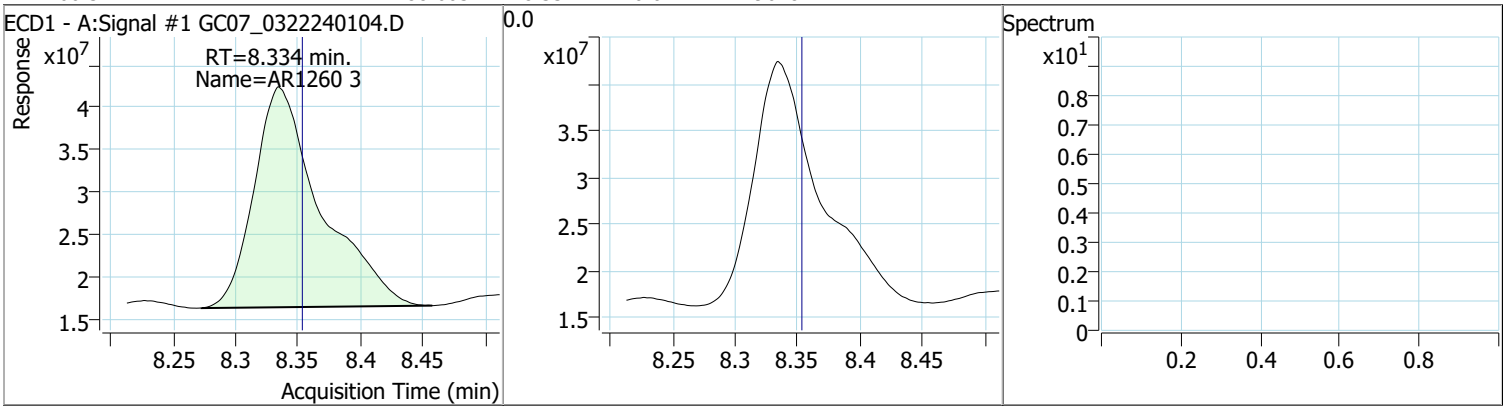
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	482.9692	7.38	-0.03	53863112				



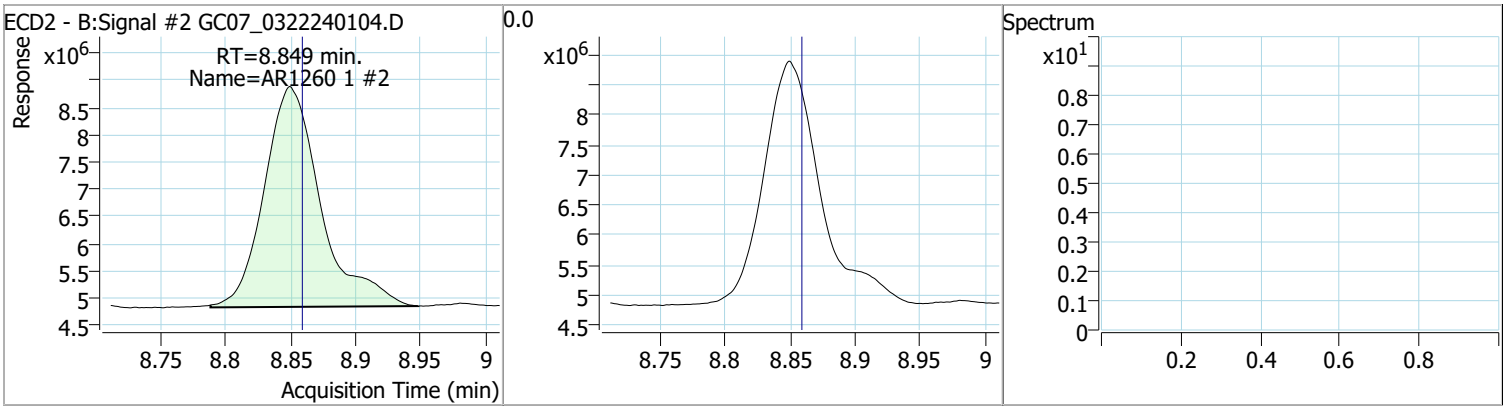
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	474.5004	7.82	-0.03	85579301				



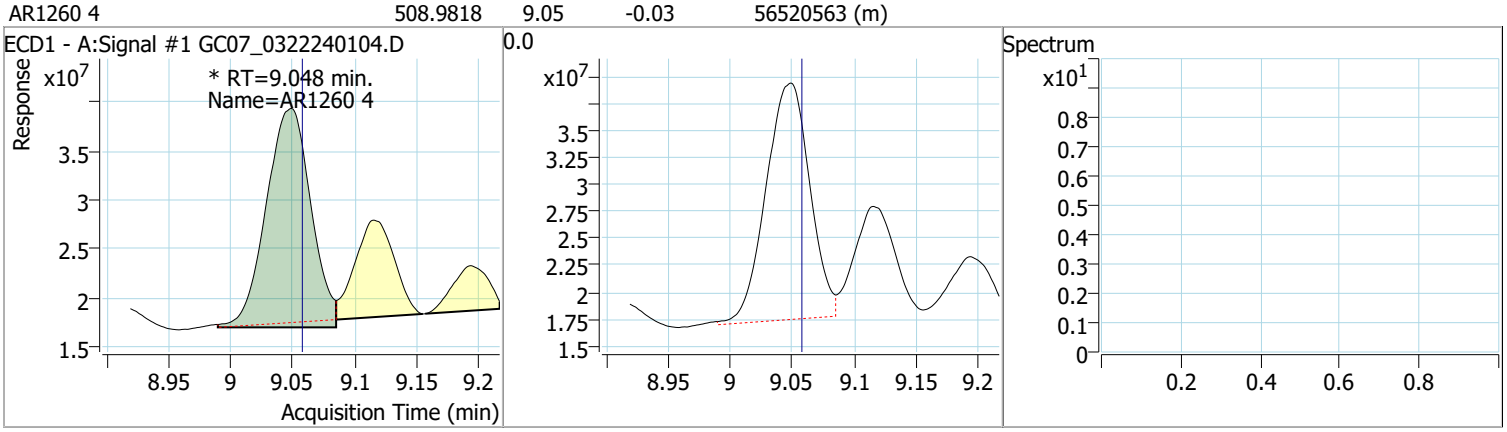
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	488.6037	8.33	-0.04	96784221				



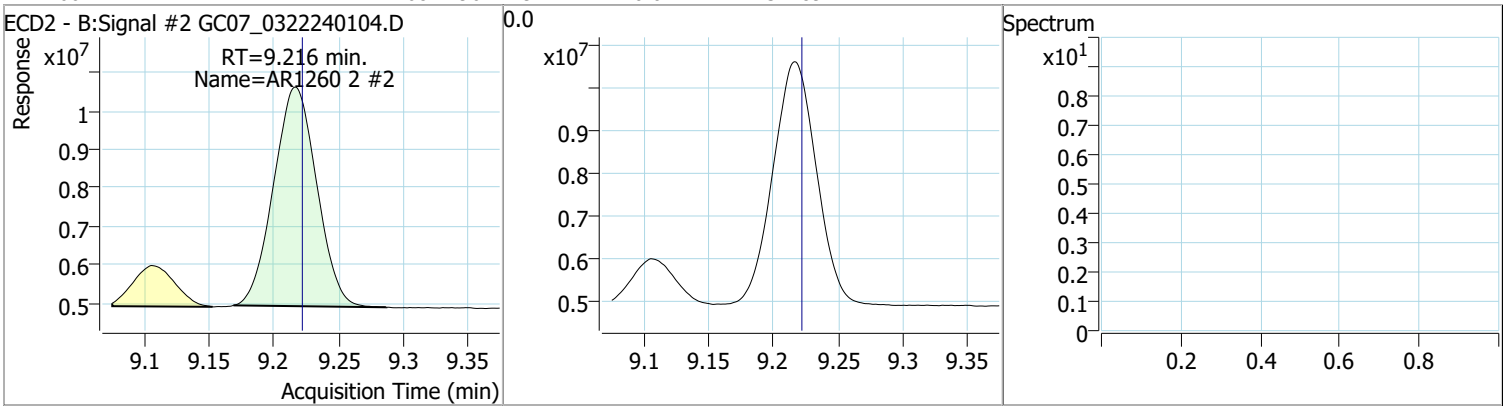
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	468.6570	8.85	-0.01	12240193				



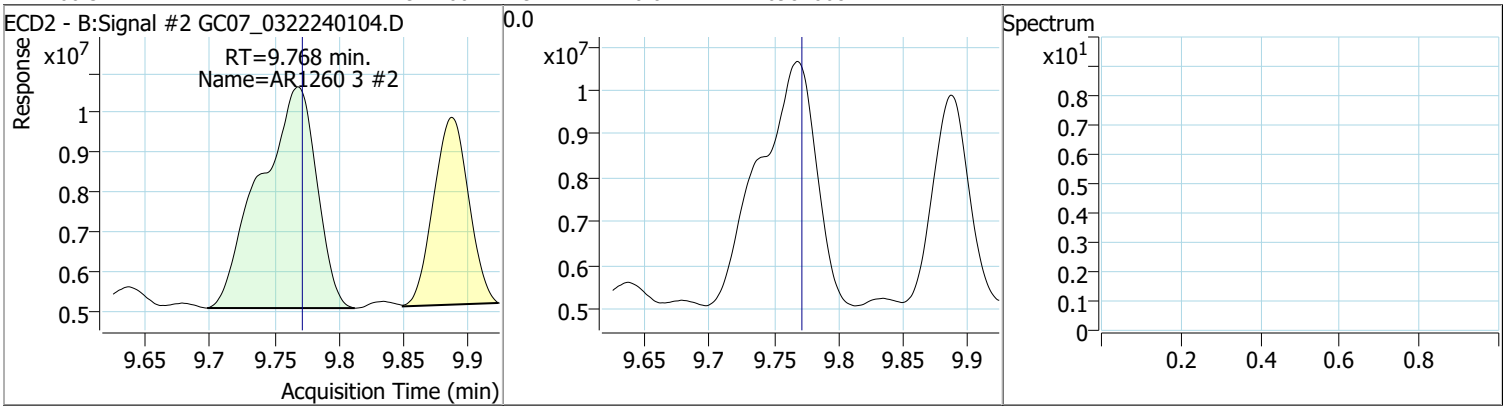
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	508.9818	9.05	-0.03	56520563 (m)				



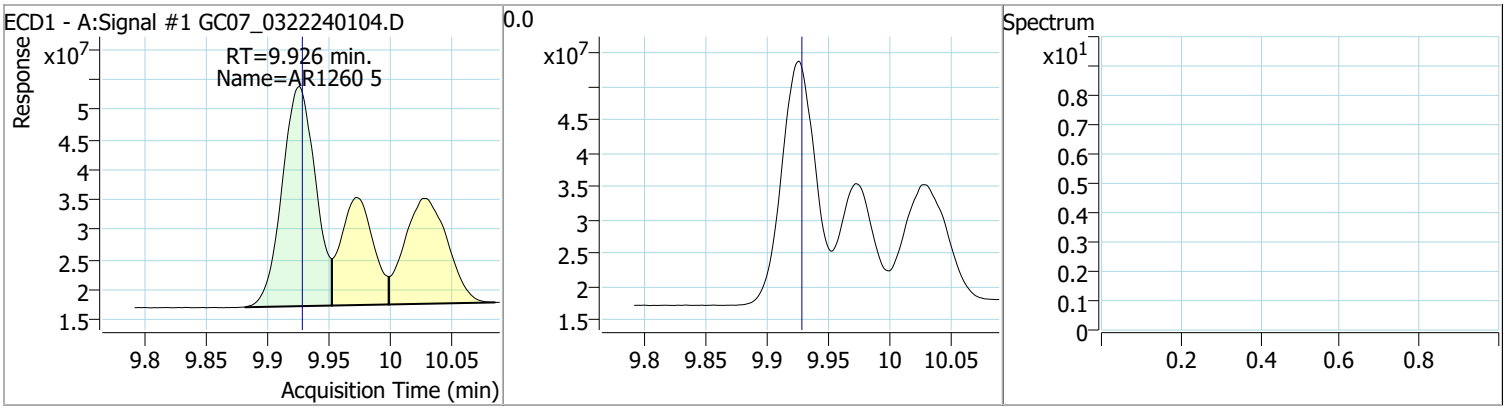
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	468.7796	9.22	-0.01	13218947				



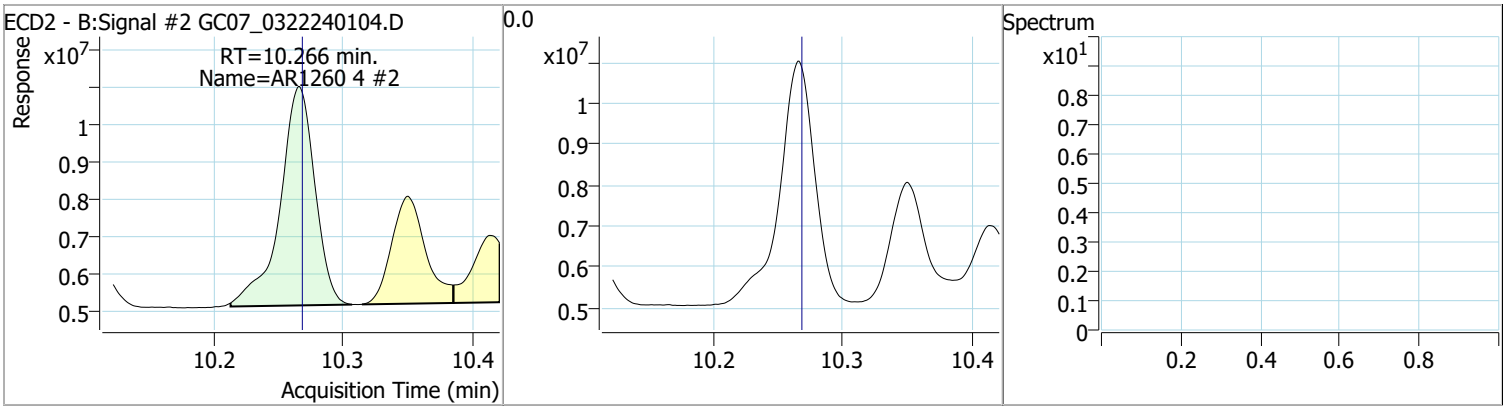
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	492.7601	9.77	-0.01	16981668				



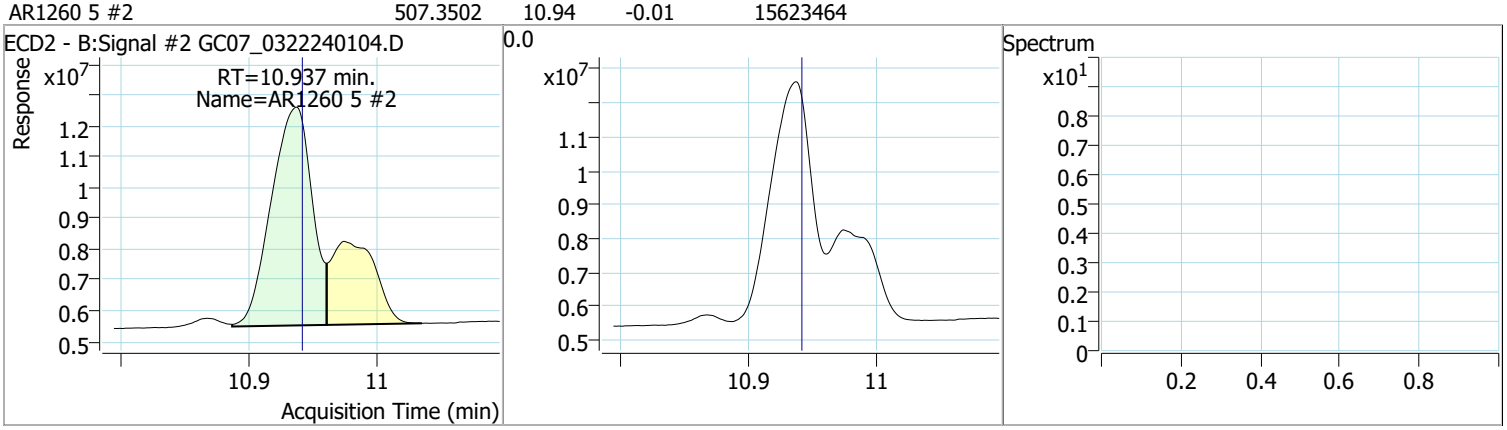
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	519.8996	9.93	-0.02	69214819				



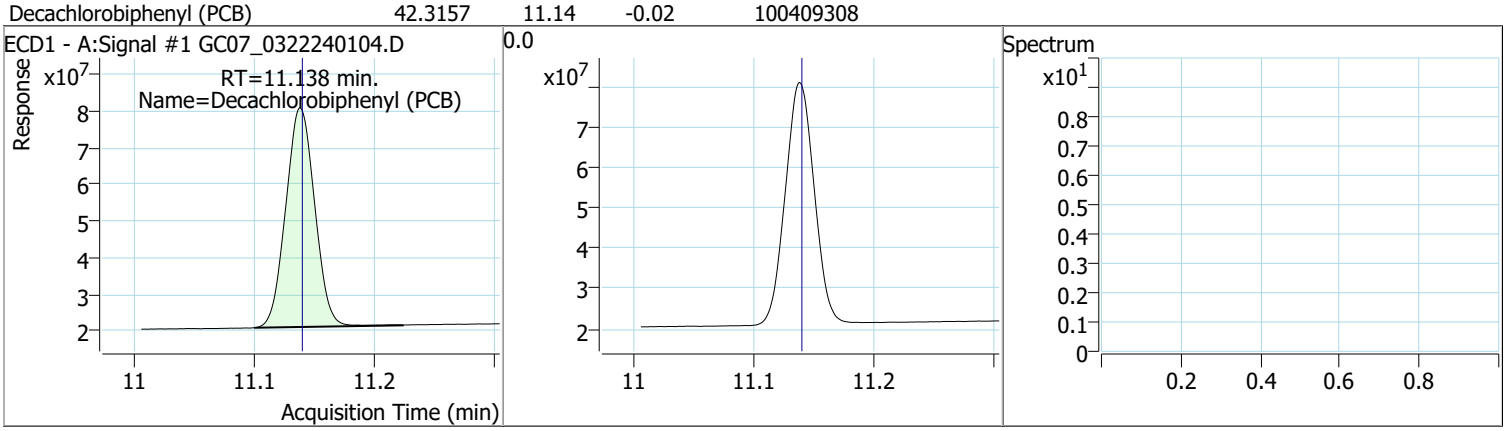
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	497.9235	10.27	-0.01	11069345				



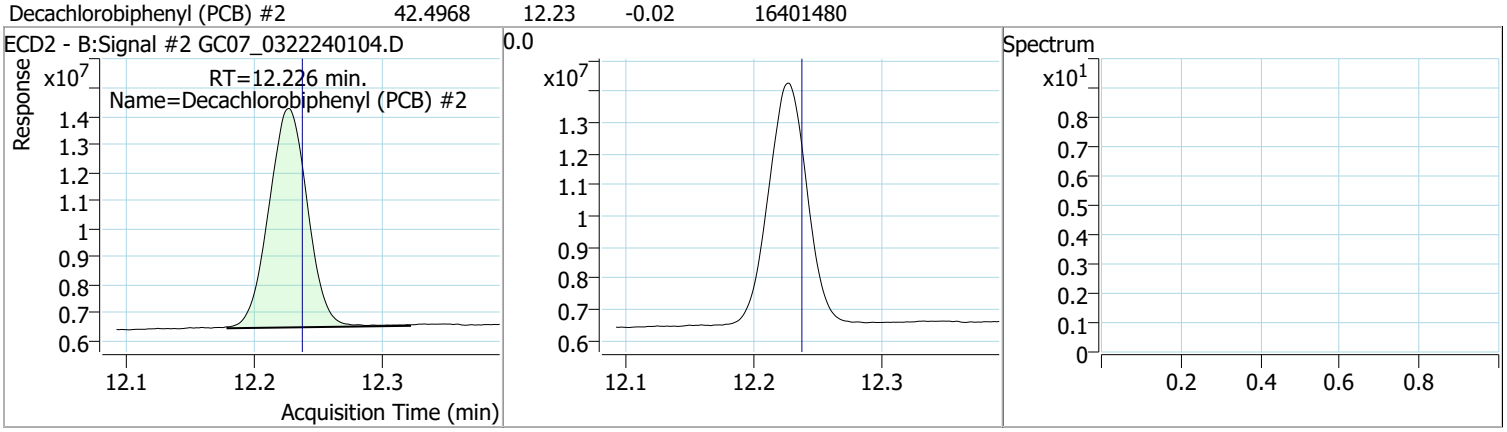
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	507.3502	10.94	-0.01	15623464				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	42.3157	11.14	-0.02	100409308				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	42.4968	12.23	-0.02	16401480				



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

enthalpy.com

Lab Job Number : 504506
Report Level : IV
Report Date : 03/25/2024

Metals

Analytical Report *prepared for:*

Austin Moore
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

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #:	504506
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	03/15/24

Sample ID	Lab ID	Collected	Matrix
AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-L-LA	504506-003	03/15/24 08:20	Wipe
AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-L-LA	504506-005	03/15/24 08:35	Wipe
AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-L-WF	504506-007	03/15/24 08:50	Wipe
AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-L-LA	504506-009	03/15/24 09:15	Wipe
AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-L-LA	504506-011	03/15/24 09:00	Wipe
AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-WF	504506-013	03/15/24 09:30	Wipe
AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-DUP-WF	504506-014	03/15/24 09:30	Wipe
AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-L-LA	504506-016	03/15/24 09:45	Wipe
AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-L-LA	504506-018	03/15/24 10:05	Wipe
AFRAME-C14W-MED-L2-HS-1-240315-L-G	504506-020	03/15/24 10:10	Wipe
AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-L-I	504506-022	03/15/24 10:30	Wipe

Case Narrative
METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 504506 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 03/15/24

This data package contains sample and QC results for eleven wipe samples, requested for the above referenced project on 03/18/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

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

Chain of Custody

504506

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (PB)	custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
1	AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-LA	3/15/2024	0820	WP	1	--	X			**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation** Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 7 Enclosure C/D (High Occupancy)
2	AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-DUP-LA	3/15/2024	0820	WP	1	--	X			
3	AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-L-LA	3/15/2024	0820	WP	1	--		X		
4	AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-P-LA	3/15/2024	0835	WP	1	--	X			
5	AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-L-LA	3/15/2024	0835	WP	1	--		X		
6	AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-P-WF	3/15/2024	0850	WP	1	--	X			
7	AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-L-WF	3/15/2024	0850	WP	1	--		X		
8	AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-P-LA	3/15/2024	0915	WP	1	--	X			
9	AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-L-LA	3/15/2024	0915	WP	1	--		X		
10	AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-P-LA	3/15/2024	0900	WP	1	--	X			
11	AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-L-LA	3/15/2024	0900	WP	1	--		X		
12	AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-P-WF	3/15/2024	0930	WP	1	--	X			
13	AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-WF	3/15/2024	0930	WP	1	--		X		
14	AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-DUP-WF	3/15/2024	0930	WP	1	--		X		
15	AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-P-LA	3/15/2024	0945	WP	1	--	X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon / Env. Scientist	3/15/24 1345
1 Received By:	Audrey Hudson	AUBREY HUDSON	ENTHALPY "	3/15/24 13:45
2 Relinquished By:	Audrey Hudson	"	"	3/15/24 16:40
2 Received By:				3/15/24 16:40
3 Relinquished By:				3/15/24 17:45
3 Received By:				3-16-24 0952

504506

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

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
16	AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-L-LA	3/15/2024	0945	WP	1	--		X		
17	AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-P-LA	3/15/2024	1005	WP	1	--	X			
18	AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-L-LA	3/15/2024	1005	WP	1	--		X		
19	AFRAME-C14W-MED-L2-HS-1-240315-P-G	3/15/2024	1010	WP	1	--	X			
20	AFRAME-C14W-MED-L2-HS-1-240315-L-G	3/15/2024	1010	WP	1	--		X		
21	AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-P-I	3/15/2024	1030	WP	1	--	X			
22	AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-L-I	3/15/2024	1030	WP	1	--		X		
23	240315-P-FIELDBLANK1-HO	3/15/2024	0855	WP	1	--	X			
24										
25										
26										
27										
28										
29										
30										

Analysis Request

Test Instructions / Comments

Confirmation Wipe Samples - Level IV Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 7 Enclosure C/D (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon / Env. Scientist	3/15/24 1345
[1] Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	3/15/24 13:45
[2] Relinquished By:	Audrey Hudson	"	"	3/15/24 16:40
[2] Received By:				3/15/24 16:40
[3] Relinquished By:				3/15/24 17:45
[3] Received By:				3-16-24 922

The below sample checklist was completed after delivery of samples by the laboratory provided courier or Rincon personnel to Enthalpy Analytical in Berkeley, CA, therefore no custody seals were applied to the cooler.

SAMPLE RECEIPT CHECKLIST

ENTHALPY ANALYTICAL

Section 1: General Info

Date Received: 3/15/19 Login # 504506 Client: Rincon

Section 2: Shipping / Custody

Shipping Info: _____

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

Custody seals intact on arrival? ☐ Yes ☐ No ☐ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

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

Date Opened 3/15/19 By (print) M (sign) _____

☑ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1: _____ #2: _____ #3: _____ #4: _____ #5: _____ #6: _____

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

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

Section 4: Containers / Labels / Samples	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	✓		
Were Method 5035 sampling containers present? Transferred to freezer @: _____		✓	
Did all containers 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 about this delivery? Contacted: _____ By: _____ Date: _____		✓	

Section 5: Preservatives	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)			
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

☐ H2SO4 lot# _____ added to samples _____ Date/Time _____

☐ HCL lot# _____ added to samples _____ Date/Time _____

☐ HNO3 lot# _____ added to samples _____ Date/Time _____

☐ CrVI Buffer lot# _____ added to samples _____ Date/Time _____

Section 6: Explanations / Comments

Date Logged 3/15/19 **By (print)** M **(sign)** _____

Date Labeled 3/15/19 **By (print)** M **(sign)** _____

The below sample checklist was completed after the samples were shipped from the Enthalpy Analytical location in Berkeley, CA to the Enthalpy Analytical location in Orange, CA.

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: Rincon Consultants Project: Hangar 1 NTCRA

Date Received: 3/16/24 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: 3.6 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 1.4 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

Section 6

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

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

Project Manager's response:

Completed By: _____ Date: 3-16-24


Printed on:
15 MAR 20:54
SOUTHWEST AIRLINES
526 OAK 1046 3143
ONT
PC#
1 OF 4
DG
G
LOT WT
195 LB
(88.5 KG)
OAK WN 1100 16 MAR 06:30
STN FLT DATE ETD
LOT 01
PC ID: 0001
PC WT: 49LB
526 10463143 0001
S

3.6/1.4

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 504506 **Project#:** 20-10491

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

Field ID: AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-L-LA **Batch#:** 335543 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504506-003 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/18/24
Diln Fac: 1.000 **Analyzed:** 03/18/24

504506-003 Analyte	Result	RL	Units
Lead	57	0.50	ug/ft2

Field ID: AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-L-LA **Batch#:** 335543 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504506-005 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/18/24
Diln Fac: 1.000 **Analyzed:** 03/18/24

504506-005 Analyte	Result	RL	Units
Lead	31	0.50	ug/ft2

Field ID: AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-L-WF **Batch#:** 335543 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504506-007 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/18/24
Diln Fac: 1.000 **Analyzed:** 03/18/24

504506-007 Analyte	Result	RL	Units
Lead	79	0.50	ug/ft2

Field ID: AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-L-LA **Batch#:** 335543 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504506-009 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/18/24
Diln Fac: 1.000 **Analyzed:** 03/18/24

504506-009 Analyte	Result	RL	Units
Lead	28	0.50	ug/ft2

Field ID: AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-L-LA **Batch#:** 335543 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504506-011 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/18/24
Diln Fac: 1.000 **Analyzed:** 03/18/24

504506-011 Analyte	Result	RL	Units
Lead	20	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 504506 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-WF **Batch#:** 335543 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504506-013 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/18/24
Diln Fac: 1.000 **Analyzed:** 03/18/24

504506-013 Analyte	Result	RL	Units
Lead	21	0.50	ug/ft2

Field ID: AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-DUP-WF **Batch#:** 335543 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504506-014 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/18/24
Diln Fac: 1.000 **Analyzed:** 03/18/24

504506-014 Analyte	Result	RL	Units
Lead	22	0.50	ug/ft2

Field ID: AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-L-LA **Batch#:** 335543 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504506-016 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/18/24
Diln Fac: 1.000 **Analyzed:** 03/18/24

504506-016 Analyte	Result	RL	Units
Lead	48	0.50	ug/ft2

Field ID: AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-L-LA **Batch#:** 335543 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504506-018 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/18/24
Diln Fac: 1.000 **Analyzed:** 03/18/24

504506-018 Analyte	Result	RL	Units
Lead	53	0.50	ug/ft2

Field ID: AFRAME-C14W-MED-L2-HS-1-240315-L-G **Batch#:** 335543 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 03/15/24 **Analysis:** EPA 6010B
Lab ID: 504506-020 **Received:** 03/15/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 03/18/24
Diln Fac: 1.000 **Analyzed:** 03/18/24

504506-020 Analyte	Result	RL	Units
Lead	39	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 504506 **Project#:** 20-10491

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

Field ID:	AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-L-I	**Batch#:**	335543	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	03/15/24	**Analysis:**	EPA 6010B
Lab ID:	504506-022	**Received:**	03/15/24	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	03/18/24		
Diln Fac:	1.000	**Analyzed:**	03/18/24		

504506-022 Analyte	Result	RL	Units
Lead	**97**	0.50	ug/ft2

Type:	BLANK	**Batch#:**	335543	**Analysis:**	EPA 6010B
Lab ID:	QC1136966	**Prepared:**	03/18/24	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	03/18/24		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1136966 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 504506 **Project#:** 20-10491

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

Type: BS **Batch#:** 335543 **Analysis:** EPA 6010B

Lab ID: QC1136967 **Prepared:** 03/18/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 03/18/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1136967 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	54.97	110	80-120	ug/ft2

Type: BSD **Batch#:** 335543 **Analysis:** EPA 6010B

Lab ID: QC1136968 **Prepared:** 03/18/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 03/18/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1136968 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	56.15	112	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 504506 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB
504506-003	MET06	03/18/24 15:02	1.0	✓
504506-005	MET06	03/18/24 15:05	1.0	✓
504506-007	MET06	03/18/24 15:09	1.0	✓
504506-009	MET06	03/18/24 15:12	1.0	✓
504506-011	MET06	03/18/24 15:15	1.0	✓
504506-013	MET06	03/18/24 15:18	1.0	✓
504506-014	MET06	03/18/24 15:22	1.0	✓
504506-016	MET06	03/18/24 15:25	1.0	✓
504506-018	MET06	03/18/24 15:35	1.0	✓
504506-020	MET06	03/18/24 15:38	1.0	✓
504506-022	MET06	03/18/24 15:41	1.0	✓
QC1136966	MET06	03/18/24 14:16	1.0	✓
QC1136967	MET06	03/18/24 14:19	1.0	✓
QC1136968	MET06	03/18/24 14:22	1.0	✓

Enthalpy Sequence Summary for Sequence 484112848

Instrument: MET06 Begun: 03/18/24 08:48
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			03/18/24 08:48	1.0	1	
002	met06_master011	ICAL	L1			03/18/24 08:51	1.0	2 1	
003	met06_master011	ICAL	L2			03/18/24 08:55	1.0	3 1	
004	met06_master011	ICAL	L3			03/18/24 08:58	1.0	4 1	
005	met06_master011	ICAL	L4			03/18/24 09:01	1.0	5 1	
006	met06_master011	ICAL	L5			03/18/24 09:05	1.0	6 1	
007	met06_master011	ICAL	L6			03/18/24 09:08	1.0	7 1	
008	met06_master011	ICAL	L7			03/18/24 09:11	1.0	8 1	
009	met06_master011	ICAL	L8			03/18/24 09:15	1.0	9 1	
010	met06_master011	ICV				03/18/24 09:18	1.0	10 1	
011	met06_master011	CRI				03/18/24 09:22	1.0	11 1	
012	met06_master011	ICB				03/18/24 09:25	1.0	1	
013	met06_master011	ICSA				03/18/24 09:28	1.0	12 1	6:MGASMGCO3=1300
014	met06_master011	ICSAB				03/18/24 09:32	1.0	13 1	6:MGASMGCO3=1400
015	met06_master011	SAMPLE	504493-001	Soil	335553	03/18/24 10:00	1.0	1	3:FE=270
016	met06_master011	SAMPLE	504493-002	Soil	335553	03/18/24 10:04	1.0	1	4:FE=270
017	met06_master011	SAMPLE	504493-004	Soil	335553	03/18/24 10:07	1.0	1	4:FE=290
018	met06_master011	SAMPLE	504499-001	Soil	335553	03/18/24 10:10	1.0	1	3:FE=190
019	met06_master011	SAMPLE	504525-001	Miscell.	335553	03/18/24 10:14	1.0	1	1:FE=29
020	met06_master011	SAMPLE	504525-002	Miscell.	335553	03/18/24 10:17	1.0	1	1:FE=30
021	met06_master011	SAMPLE	504525-003	Miscell.	335553	03/18/24 10:20	1.0	1	1:FE=30
022	met06_master011	SAMPLE	504525-004	Miscell.	335553	03/18/24 10:23	1.0	1	1:FE=30
023	met06_master011	SAMPLE	504525-005	Miscell.	335553	03/18/24 10:27	1.0	1	1:FE=31
024	met06_master011	SAMPLE	504525-006	Miscell.	335553	03/18/24 10:31	1.0	1	1:FE=30
025	met06_master011	CCV				03/18/24 10:34	1.0	10 1	
026	met06_master011	CCB				03/18/24 10:38	1.0	1	
027	met06_master011	BLANK	QC1136881	Soil	335517	03/18/24 10:56	1.0	1	
028	met06_master011	LCS	QC1136882	Soil	335517	03/18/24 10:59	1.0	1	
029	met06_master011	MSS	504426-001	Miscell.	335517	03/18/24 11:02	1.0	1	3:CAASCACO3=280

Instrument: MET06 Begun: 03/18/24 08:48
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
030	met06_master011	MS	QC1136883	Miscell.	335517	03/18/24 11:06	1.0	1	3:CAASCACO3=380
031	met06_master011	MSD	QC1136884	Miscell.	335517	03/18/24 11:09	1.0	1	3:CAASCACO3=320
032	met06_master011	PDS	QC1136885	Miscell.	335517	03/18/24 11:12	1.0	1	3:CAASCACO3=270
033	met06_master011	SAMPLE	504451-001	Soil	335517	03/18/24 11:16	1.0	1	2:FE=120
034	met06_master011	SAMPLE	504451-002	Soil	335517	03/18/24 11:19	1.0	1	3:FE=170
035	met06_master011	SAMPLE	504451-003	Soil	335517	03/18/24 11:22	1.0	1	2:AL=160
036	met06_master011	SAMPLE	504451-004	Soil	335517	03/18/24 11:26	1.0	1	2:AL=150
037	met06_master011	CCV				03/18/24 11:29	1.0	10 1	
038	met06_master011	CCB				03/18/24 11:32	1.0	1	
039	met06_master011	SAMPLE	504451-005	Soil	335517	03/18/24 11:35	1.0	1	2:FE=110
040	met06_master011	SAMPLE	504451-006	Soil	335517	03/18/24 11:39	1.0	1	2:FE=130
041	met06_master011	SAMPLE	504451-007	Soil	335517	03/18/24 11:42	1.0	1	3:FE=140
042	met06_master011	SAMPLE	504451-008	Soil	335517	03/18/24 11:45	1.0	1	2:FE=120
043	met06_master011	SAMPLE	504451-009	Soil	335517	03/18/24 11:49	1.0	1	2:FE=98
044	met06_master011	SAMPLE	504451-010	Soil	335517	03/18/24 11:52	1.0	1	2:FE=93
045	met06_master011	SAMPLE	504468-001	Miscell.	335517	03/18/24 11:55	1.0	1	2:FE=190
046	met06_master011	SAMPLE	504474-005	Soil	335517	03/18/24 11:59	1.0	1	3:FE=250
047	met06_master011	SAMPLE	504477-004	Soil	335517	03/18/24 12:02	1.0	1	2:FE=130
048	met06_master011	SAMPLE	504479-004	Soil	335517	03/18/24 12:05	1.0	1	2:FE=170
049	met06_master011	CCV				03/18/24 12:09	1.0	10 1	
050	met06_master011	CCB				03/18/24 12:12	1.0	1	
051	met06_master011	SAMPLE	504481-004	Soil	335517	03/18/24 12:15	1.0	1	2:FE=150
052	met06_master011	SAMPLE	504482-004	Soil	335517	03/18/24 12:18	1.0	1	3:FE=220
053	met06_master011	CCV				03/18/24 12:22	1.0	10 1	
054	met06_master011	CCB				03/18/24 12:25	1.0	1	
055	met06_master011	BLANK	QC1137116	Water	335580	03/18/24 12:29	1.0	1	
056	met06_master011	BLANK	QC1137145	WET Leachate	335588	03/18/24 12:32	1.0	1	
057	met06_master011	BLANK	QC1137146	WET Leachate	335588	03/18/24 12:35	1.0	1	
058	met06_master011	BLANK	QC1137147	WET Leachate	335588	03/18/24 12:39	1.0	1	

Enthalpy Sequence Summary for Sequence 484112848

Instrument: MET06 Begun: 03/18/24 08:48
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
059	met06_master011	BS	QC1137148	WET Leachate	335588	03/18/24 12:42	1.0	1	
060	met06_master011	BSD	QC1137149	WET Leachate	335588	03/18/24 12:45	1.0	1	
061	met06_master011	SAMPLE	503359-001	WET Leachate	335588	03/18/24 12:49	1.0	1	
062	met06_master011	SAMPLE	503359-002	WET Leachate	335588	03/18/24 12:52	1.0	1	
063	met06_master011	SAMPLE	503458-019	WET Leachate	335588	03/18/24 12:55	1.0	1	
064	met06_master011	SAMPLE	503618-001	WET Leachate	335588	03/18/24 12:58	1.0	1	
065	met06_master011	CCV				03/18/24 13:02	1.0	10 1	
066	met06_master011	CCB				03/18/24 13:05	1.0	1	
067	met06_master011	SAMPLE	504094-005	WET Leachate	335588	03/18/24 13:08	1.0	1	
068	met06_master011	SAMPLE	504094-015	WET Leachate	335588	03/18/24 13:12	1.0	1	
069	met06_master011	SAMPLE	504094-025	WET Leachate	335588	03/18/24 13:15	1.0	1	
070	met06_master011	SAMPLE	504094-035	WET Leachate	335588	03/18/24 13:18	1.0	1	
071	met06_master011	SAMPLE	504094-040	WET Leachate	335588	03/18/24 13:21	1.0	1	
072	met06_master011	CCV				03/18/24 13:25	1.0	10 1	
073	met06_master011	CCB				03/18/24 13:28	1.0	1	
074	met06_master011	BLANK	QC1136966	Wipe	335543	03/18/24 14:16	1.0	1	
075	met06_master011	BS	QC1136967	Wipe	335543	03/18/24 14:19	1.0	1	
076	met06_master011	BSD	QC1136968	Wipe	335543	03/18/24 14:22	1.0	1	
077	met06_master011	SAMPLE	504368-001	Wipe	335543	03/18/24 14:26	1.0	1	1:FE=40
078	met06_master011	SAMPLE	504368-002	Wipe	335543	03/18/24 14:29	1.0	1	1:FE=49
079	met06_master011	SAMPLE	504368-003	Wipe	335543	03/18/24 14:32	1.0	1	1:FE=110
080	met06_master011	SAMPLE	504368-004	Wipe	335543	03/18/24 14:36	1.0	1	1:FE=73
081	met06_master011	SAMPLE	504368-005	Wipe	335543	03/18/24 14:39	1.0	1	1:FE=76
082	met06_master011	SAMPLE	504369-021	Wipe	335543	03/18/24 14:42	1.0	1	
083	met06_master011	SAMPLE	504369-022	Wipe	335543	03/18/24 14:46	1.0	1	
084	met06_master011	CCV				03/18/24 14:49	1.0	10 1	
085	met06_master011	CCB				03/18/24 14:52	1.0	1	
086	met06_master011	SAMPLE	504369-023	Wipe	335543	03/18/24 14:55	1.0	1	
087	met06_master011	SAMPLE	504369-024	Wipe	335543	03/18/24 14:59	1.0	1	

Enthalpy Sequence Summary for Sequence 484112848

Instrument: MET06 Begun: 03/18/24 08:48
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
088	met06_master011	SAMPLE	504506-003	Wipe	335543	03/18/24 15:02	1.0	1	1:FE=67
089	met06_master011	SAMPLE	504506-005	Wipe	335543	03/18/24 15:05	1.0	1	1:FE=79
090	met06_master011	SAMPLE	504506-007	Wipe	335543	03/18/24 15:09	1.0	1	1:FE=48
091	met06_master011	SAMPLE	504506-009	Wipe	335543	03/18/24 15:12	1.0	1	1:FE=67
092	met06_master011	SAMPLE	504506-011	Wipe	335543	03/18/24 15:15	1.0	1	1:FE=84
093	met06_master011	SAMPLE	504506-013	Wipe	335543	03/18/24 15:18	1.0	1	1:FE=86
094	met06_master011	SAMPLE	504506-014	Wipe	335543	03/18/24 15:22	1.0	1	1:FE=130
095	met06_master011	SAMPLE	504506-016	Wipe	335543	03/18/24 15:25	1.0	1	1:FE=100
096	met06_master011	CCV				03/18/24 15:28	1.0	10 1	
097	met06_master011	CCB				03/18/24 15:32	1.0	1	
098	met06_master011	SAMPLE	504506-018	Wipe	335543	03/18/24 15:35	1.0	1	1:FE=140
099	met06_master011	SAMPLE	504506-020	Wipe	335543	03/18/24 15:38	1.0	1	1:FE=66
100	met06_master011	SAMPLE	504506-022	Wipe	335543	03/18/24 15:41	1.0	1	1:FE=78
101	met06_master011	CCV				03/18/24 15:45	1.0	10 1	
102	met06_master011	CCB				03/18/24 15:48	1.0	1	

SBW 03/18/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 026.

Standards Used:
1=S16862 2=S19988 3=S19987 4=S19986 5=S19985 6=S19984 7=S19983 8=S20134 9=S20135 10=S20203 11=S20132 12=S20136 13=S20133

Enthalpy Internal Standard Summary for Sequence 484112848

Date: 03/18/24 Reference: met06_master011
Sequence: MET06 03/18/24 Analyzed: 03/18/24 08:48

#	Type	Sample ID	Y H	Y A	Y R
		ICALBLK STD	31331300	1661850	28200600
		LOWER LIMIT	9399390	498555	8460180
		UPPER LIMIT	62662600	3323700	56401200
012	ICB		29502900	1601030	27263700
013	ICSA		26086700	1420830	23751900
014	ICSAB		26171700	1407030	23686700
015	SAMPLE	504493-001	28620800	1528170	26233300
016	SAMPLE	504493-002	28986500	1560820	26464500
017	SAMPLE	504493-004	28231800	1530560	25639900
018	SAMPLE	504499-001	28441200	1540850	26013000
019	SAMPLE	504525-001	29597600	1585020	26794400
020	SAMPLE	504525-002	29633800	1593970	26918600
021	SAMPLE	504525-003	29094200	1556160	26721600
022	SAMPLE	504525-004	29301900	1584530	26475600
023	SAMPLE	504525-005	28438200	1555620	26143500
024	SAMPLE	504525-006	28620500	1554910	26325400
025	CCV		28496500	1547870	26016800
026	CCB		30077600	1618560	27668500
027	BLANK	QC1136881	30152900	1620350	27538600
028	LCS	QC1136882	29149500	1605820	26895500
029	MSS	504426-001	28873700	1548910	26075700
030	MS	QC1136883	27850100	1520400	25654500
031	MSD	QC1136884	28310900	1543870	25647100
032	PDS	QC1136885	28658300	1542900	25783700
033	SAMPLE	504451-001	28333100	1554660	25759200
034	SAMPLE	504451-002	28358700	1553030	26038400
035	SAMPLE	504451-003	28760300	1556590	26096900
036	SAMPLE	504451-004	28519600	1541360	25566700
037	CCV		28543700	1551700	25437800
038	CCB		29784300	1628310	27584200
039	SAMPLE	504451-005	28806200	1550690	25885200
040	SAMPLE	504451-006	28526200	1547840	26122200
041	SAMPLE	504451-007	28385900	1541550	25982800
042	SAMPLE	504451-008	28645000	1568650	26339400
043	SAMPLE	504451-009	28312800	1528370	25847900
044	SAMPLE	504451-010	28975200	1577000	26574400
045	SAMPLE	504468-001	28003600	1520720	25536100
046	SAMPLE	504474-005	27765300	1515520	25098100
047	SAMPLE	504477-004	28295900	1532960	25828700
048	SAMPLE	504479-004	27881300	1522790	25391300
049	CCV		28639700	1543450	25592900
050	CCB		30562900	1623230	27199800
051	SAMPLE	504481-004	28328000	1516250	25519500
052	SAMPLE	504482-004	28053300	1512920	25610100
053	CCV		28840400	1543690	25655900
054	CCB		30493400	1621830	27220500
055	BLANK	QC1137116	30208300	1605450	27356200
056	BLANK	QC1137145	28939500	1575870	25855600
057	BLANK	QC1137146	28700700	1553360	26067800
058	BLANK	QC1137147	28858500	1560000	25833500
059	BS	QC1137148	28767800	1562520	25888700
060	BSD	QC1137149	28871600	1566070	25718500
061	SAMPLE	503359-001	28826700	1559520	26033900
062	SAMPLE	503359-002	29108200	1561730	26327800
063	SAMPLE	503458-019	28913900	1599680	25741800
064	SAMPLE	503618-001	28995600	1575150	26259800
065	CCV		28403200	1527470	25410800

Enthalpy Internal Standard Summary for Sequence 484112848

Date:	03/18/24	Reference:	met06_master011
Sequence:	MET06 03/18/24	Analyzed:	03/18/24 08:48

#	Type	Sample ID	Y H	Y A	Y R
066	CCB		30178700	1615030	27067700
067	SAMPLE	504094-005	28665900	1565390	26123100
068	SAMPLE	504094-015	28943300	1560140	26106600
069	SAMPLE	504094-025	29121900	1565400	25946200
070	SAMPLE	504094-035	29163300	1566580	25766400
071	SAMPLE	504094-040	29074100	1574460	26034000
072	CCV		28598400	1525760	25696500
073	CCB		29857500	1621790	27294000
074	BLANK	QC1136966	31104400	1654260	28028800
075	BS	QC1136967	30222900	1631610	28153900
076	BSD	QC1136968	30027900	1624520	27296800
077	SAMPLE	504368-001	29734200	1589080	27136100
078	SAMPLE	504368-002	29661800	1598070	27494800
079	SAMPLE	504368-003	29911900	1593970	27152300
080	SAMPLE	504368-004	29761100	1596530	27740800
081	SAMPLE	504368-005	29964500	1610620	27532000
082	SAMPLE	504369-021	30786900	1645050	27889900
083	SAMPLE	504369-022	30500600	1637510	27693900
084	CCV		28983600	1589740	25987700
085	CCB		30927400	1684150	27663500
086	SAMPLE	504369-023	29674900	1605520	27229200
087	SAMPLE	504369-024	30122100	1618010	27610400
088	SAMPLE	504506-003	29767600	1600890	27002100
089	SAMPLE	504506-005	29464700	1597970	27020500
090	SAMPLE	504506-007	29958400	1626290	27432400
091	SAMPLE	504506-009	29753300	1597990	27370700
092	SAMPLE	504506-011	29582100	1597730	27297500
093	SAMPLE	504506-013	29432600	1601540	26674500
094	SAMPLE	504506-014	29054200	1579660	26713400
095	SAMPLE	504506-016	29680700	1592070	26761200
096	CCV		29185300	1613010	26427700
097	CCB		30823500	1676620	27855600
098	SAMPLE	504506-018	29051700	1586240	26686700
099	SAMPLE	504506-020	29557300	1610550	26874600
100	SAMPLE	504506-022	29658100	1615290	26685600
101	CCV		29126300	1621600	25972500
102	CCB		30827600	1704120	27475100

ENTHALPY INITIAL CALIBRATION FOR 504506 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	484112848001	Date:	18-MAR-2024 08:48
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	484112848002	L1	18-MAR-2024 08:51	S19988, S16862 (100X)
L2	met06_master011	484112848003	L2	18-MAR-2024 08:55	S19987, S16862 (100X)
L3	met06_master011	484112848004	L3	18-MAR-2024 08:58	S19986, S16862 (100X)
L4	met06_master011	484112848005	L4	18-MAR-2024 09:01	S19985, S16862 (100X)
L5	met06_master011	484112848006	L5	18-MAR-2024 09:05	S19984, S16862 (100X)
L6	met06_master011	484112848007	L6	18-MAR-2024 09:08	S19983, S16862 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00399	32.0641		0.0251	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	-0.002	0.0235	0.0327	0.0336	0.0311	0.0312

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	14	0.0100	15	0.1000	9	1.0000	8	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 504506 METALS Wipe
EPA 6010B

Inst:	MET06		
Calnum:	484112848001	Cal Date:	18-MAR-2024

- ICV 484112848010 (18-MAR-2024) stds: S20203, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.081	mg/l	8	10	

ENTHALPY INSTRUMENT BLANK FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848012	File:	met06_master011	Time:	18-MAR-2024 09:25
Cal:	484112848001	Caldate:	18-MAR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	29502900	-5.84
Yttrium	A	1661850	1601030	-3.66
Yttrium	R	28200600	27263700	-3.32

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848013	File:	met06_master011	Time:	18-MAR-2024 09:28
Cal:	484112848001	Caldate:	18-MAR-2024		

Standards: S20136, S16862 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[0.003061]	0.003333	mg/l	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	141.7	mg/l	89	
Aluminum	R	400.0	360.3	mg/l	90	
Calcium	R	400.0	231.2	mg/l	58	
Magnesium	R	400.0	382.1	mg/l	96	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	26086700	-16.74
Yttrium	A	1661850	1420830	-14.50
Yttrium	R	28200600	23751900	-15.78

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848014	File:	met06_master011	Time:	18-MAR-2024 09:32
Cal:	484112848001	Caldate:	18-MAR-2024		

Standards: S20133, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.067	mg/l	7	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	26171700	-16.47
Yttrium	A	1661850	1407030	-15.33
Yttrium	R	28200600	23686700	-16.01

ENTHALPY CONTINUING CALIBRATION FOR 504506 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848072	File:	met06_master011	Time:	18-MAR-2024 13:25
Cal:	484112848001	Caldate:	18-MAR-2024		

Standards: S20203, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0251	0.0340	1.000	1.093	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	28598400	-8.72
Yttrium	A	1661850	1525760	-8.19
Yttrium	R	28200600	25696500	-8.88

ENTHALPY INSTRUMENT BLANK FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848073	File:	met06_master011	Time:	18-MAR-2024 13:28
Cal:	484112848001	Caldate:	18-MAR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	29857500	-4.70
Yttrium	A	1661850	1621790	-2.41
Yttrium	R	28200600	27294000	-3.21

ENTHALPY CONTINUING CALIBRATION FOR 504506 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848084	File:	met06_master011	Time:	18-MAR-2024 14:49
Cal:	484112848001	Caldate:	18-MAR-2024		

Standards: S20203, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0251	0.0341	1.000	1.097	mg/l	10	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	28983600	-7.49
Yttrium	A	1661850	1589740	-4.34
Yttrium	R	28200600	25987700	-7.85

ENTHALPY INSTRUMENT BLANK FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848085	File:	met06_master011	Time:	18-MAR-2024 14:52
Cal:	484112848001	Caldate:	18-MAR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	30927400	-1.29
Yttrium	A	1661850	1684150	1.34
Yttrium	R	28200600	27663500	-1.90

ENTHALPY CONTINUING CALIBRATION FOR 504506 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848096	File:	met06_master011	Time:	18-MAR-2024 15:28
Cal:	484112848001	Caldate:	18-MAR-2024		

Standards: S20203, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0251	0.0339	1.000	1.091	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	29185300	-6.85
Yttrium	A	1661850	1613010	-2.94
Yttrium	R	28200600	26427700	-6.29

ENTHALPY INSTRUMENT BLANK FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848097	File:	met06_master011	Time:	18-MAR-2024 15:32
Cal:	484112848001	Caldate:	18-MAR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	30823500	-1.62
Yttrium	A	1661850	1676620	0.89
Yttrium	R	28200600	27855600	-1.22

ENTHALPY CONTINUING CALIBRATION FOR 504506 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848101	File:	met06_master011	Time:	18-MAR-2024 15:45
Cal:	484112848001	Caldate:	18-MAR-2024		

Standards: S20203, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0251	0.0339	1.000	1.091	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	29126300	-7.04
Yttrium	A	1661850	1621600	-2.42
Yttrium	R	28200600	25972500	-7.90

ENTHALPY INSTRUMENT BLANK FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848102	File:	met06_master011	Time:	18-MAR-2024 15:48
Cal:	484112848001	Caldate:	18-MAR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	30827600	-1.61
Yttrium	A	1661850	1704120	2.54
Yttrium	R	28200600	27475100	-2.57

SAMPLE PREPARATION SUMMARY

Batch #:	335543	Prep Date:	18-MAR-2024 11:47	Started By:	MLL
Analysis:	ICP	Method:	3050B	Finished By:	MLL

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S19373	Spike S19372	Analysis
504368-001	Wipe	1 ft2	50 mL	50.0				6010
504368-002	Wipe	1.0138 ft2	50 mL	49.32				6010
504368-003	Wipe	1 ft2	50 mL	50.0				6010
504368-004	Wipe	1 ft2	50 mL	50.0				6010
504368-005	Wipe	1.02 ft2	50 mL	49.02				6010
504369-021	Wipe	1 ft2	50 mL	50.0				6010
504369-022	Wipe	1 ft2	50 mL	50.0				6010
504369-023	Wipe	1 ft2	50 mL	50.0				6010
504369-024	Wipe	1 ft2	50 mL	50.0				6010
504506-003	Wipe	1 ft2	50 mL	50.0				6010
504506-005	Wipe	1 ft2	50 mL	50.0				6010
504506-007	Wipe	1 ft2	50 mL	50.0				6010
504506-009	Wipe	1 ft2	50 mL	50.0				6010
504506-011	Wipe	1 ft2	50 mL	50.0				6010
504506-013	Wipe	1 ft2	50 mL	50.0				6010
504506-014	Wipe	1 ft2	50 mL	50.0				6010
504506-016	Wipe	1 ft2	50 mL	50.0				6010
504506-018	Wipe	1 ft2	50 mL	50.0				6010
504506-020	Wipe	1 ft2	50 mL	50.0				6010
504506-022	Wipe	1 ft2	50 mL	50.0				6010
QC1136966 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1136967 BS	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP
QC1136968 BSD	Wipe	1 ft2	50 mL	50.0		.5 mL	.5 mL	ICP

Analyst: SBW 03/18/24

Reviewer: JCP 03/18/24

Prep Log for Soil/Misc.

Prep Start, Date/Time: 3/18/24 11:47 Prep End, Date/Time: 3/19/24 13:56 QC Batch #: 335543 Therm ID/Corr Factor: 942650 0

HotBlock Temp (Obs/Cor), °C: 91 / 91 HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Weight (g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----		N/A	50	MLDD150000104	
LCS	-----	-----	-----					
504360-1	A		WIPE	1.0000				
-2				1.0136				
-3				1.0000				
-4				↓				
-5				1.0200				
369-21				1.0000				
-22								
-23				↓				
506-3								
-5								
-7								
-9								
-11								
-13								
-14								
-16								
-18								
-20								
-22	↓							
LCSD								
369-24	A		WIPE	1.0000				

Hydrochloric Acid ID: 10ml 24006807

Nitric Acid ID: 10ml 2023030909

H_2O_2 ID: 3ml 303303

LCS Spike ID: 0.5ml S19372, S19373

MS/MSD Spike ID: ↓

Gold Std ID: —

SC

ICP and ICP-MS Prep Log for Soil/Misc.

Initials: MLL/SFS Prep Method: (3050B) / 3051 / Other: _____ QC Batch #: 335543 Therm ID/Corr Factor: 942650 0

Prep Start, Date/Time: 3/18/24 11:47 Prep End, Date/Time: 3/18/24 13:56 HotBlock Temp (Obs/Cor), °C: 91 / 91

HotBlock ID: 3

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Weight (g) MLL 3/18/24 SFS	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	----	----	----		N/A	50	MLD0150000104	
LCS	----	----	----					
504360-1	A		WIPE	1.0000				
-2				1.0136				
-3				1.0000				
-4				↓				
-5				1.0200				
369-21				1.0000				
-22								
-23				↓				
506-3								
-5								
-7								
-9								
-11								
-13								
-14								
-16								
-18								
-20								
-22	↓		↓	↓				
LCSD								
369-24	A		WIPE	1.0000		↓		

Hydrochloric Acid ID: 10ml 14006807

Nitric Acid ID: 10ml 20230309O9

H_2O_2 ID: 3ml 303303

LCS Spike ID: 0.5ml 519372, 519373

MS/MSD Spike ID: ↓

Gold Std ID: —

ICP Raw Data

Enthalpy Sequence Summary for Sequence 484112848

Instrument: MET06 Begun: 03/18/24 08:48
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	met06_master011	ICALBLK	CALBLANK			03/18/24 08:48	1.0	1	
002	met06_master011	ICAL	L1			03/18/24 08:51	1.0	2 1	
003	met06_master011	ICAL	L2			03/18/24 08:55	1.0	3 1	
004	met06_master011	ICAL	L3			03/18/24 08:58	1.0	4 1	
005	met06_master011	ICAL	L4			03/18/24 09:01	1.0	5 1	
006	met06_master011	ICAL	L5			03/18/24 09:05	1.0	6 1	
007	met06_master011	ICAL	L6			03/18/24 09:08	1.0	7 1	
008	met06_master011	ICAL	L7			03/18/24 09:11	1.0	8 1	
009	met06_master011	ICAL	L8			03/18/24 09:15	1.0	9 1	
010	met06_master011	ICV				03/18/24 09:18	1.0	10 1	
011	met06_master011	CRI				03/18/24 09:22	1.0	11 1	
012	met06_master011	ICB				03/18/24 09:25	1.0	1	
013	met06_master011	ICSA				03/18/24 09:28	1.0	12 1	6:MGASMGCO3=1300
014	met06_master011	ICSAB				03/18/24 09:32	1.0	13 1	6:MGASMGCO3=1400
015	met06_master011	SAMPLE	504493-001	Soil	335553	03/18/24 10:00	1.0	1	3:FE=270
016	met06_master011	SAMPLE	504493-002	Soil	335553	03/18/24 10:04	1.0	1	4:FE=270
017	met06_master011	SAMPLE	504493-004	Soil	335553	03/18/24 10:07	1.0	1	4:FE=290
018	met06_master011	SAMPLE	504499-001	Soil	335553	03/18/24 10:10	1.0	1	3:FE=190
019	met06_master011	SAMPLE	504525-001	Miscell.	335553	03/18/24 10:14	1.0	1	1:FE=29
020	met06_master011	SAMPLE	504525-002	Miscell.	335553	03/18/24 10:17	1.0	1	1:FE=30
021	met06_master011	SAMPLE	504525-003	Miscell.	335553	03/18/24 10:20	1.0	1	1:FE=30
022	met06_master011	SAMPLE	504525-004	Miscell.	335553	03/18/24 10:23	1.0	1	1:FE=30
023	met06_master011	SAMPLE	504525-005	Miscell.	335553	03/18/24 10:27	1.0	1	1:FE=31
024	met06_master011	SAMPLE	504525-006	Miscell.	335553	03/18/24 10:31	1.0	1	1:FE=30
025	met06_master011	CCV				03/18/24 10:34	1.0	10 1	
026	met06_master011	CCB				03/18/24 10:38	1.0	1	
027	met06_master011	BLANK	QC1136881	Soil	335517	03/18/24 10:56	1.0	1	
028	met06_master011	LCS	QC1136882	Soil	335517	03/18/24 10:59	1.0	1	
029	met06_master011	MSS	504426-001	Miscell.	335517	03/18/24 11:02	1.0	1	3:CAASCACO3=280

Instrument: MET06 Begun: 03/18/24 08:48
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
030	met06_master011	MS	QC1136883	Miscell.	335517	03/18/24 11:06	1.0	1	3:CAASCACO3=380
031	met06_master011	MSD	QC1136884	Miscell.	335517	03/18/24 11:09	1.0	1	3:CAASCACO3=320
032	met06_master011	PDS	QC1136885	Miscell.	335517	03/18/24 11:12	1.0	1	3:CAASCACO3=270
033	met06_master011	SAMPLE	504451-001	Soil	335517	03/18/24 11:16	1.0	1	2:FE=120
034	met06_master011	SAMPLE	504451-002	Soil	335517	03/18/24 11:19	1.0	1	3:FE=170
035	met06_master011	SAMPLE	504451-003	Soil	335517	03/18/24 11:22	1.0	1	2:AL=160
036	met06_master011	SAMPLE	504451-004	Soil	335517	03/18/24 11:26	1.0	1	2:AL=150
037	met06_master011	CCV				03/18/24 11:29	1.0	10 1	
038	met06_master011	CCB				03/18/24 11:32	1.0	1	
039	met06_master011	SAMPLE	504451-005	Soil	335517	03/18/24 11:35	1.0	1	2:FE=110
040	met06_master011	SAMPLE	504451-006	Soil	335517	03/18/24 11:39	1.0	1	2:FE=130
041	met06_master011	SAMPLE	504451-007	Soil	335517	03/18/24 11:42	1.0	1	3:FE=140
042	met06_master011	SAMPLE	504451-008	Soil	335517	03/18/24 11:45	1.0	1	2:FE=120
043	met06_master011	SAMPLE	504451-009	Soil	335517	03/18/24 11:49	1.0	1	2:FE=98
044	met06_master011	SAMPLE	504451-010	Soil	335517	03/18/24 11:52	1.0	1	2:FE=93
045	met06_master011	SAMPLE	504468-001	Miscell.	335517	03/18/24 11:55	1.0	1	2:FE=190
046	met06_master011	SAMPLE	504474-005	Soil	335517	03/18/24 11:59	1.0	1	3:FE=250
047	met06_master011	SAMPLE	504477-004	Soil	335517	03/18/24 12:02	1.0	1	2:FE=130
048	met06_master011	SAMPLE	504479-004	Soil	335517	03/18/24 12:05	1.0	1	2:FE=170
049	met06_master011	CCV				03/18/24 12:09	1.0	10 1	
050	met06_master011	CCB				03/18/24 12:12	1.0	1	
051	met06_master011	SAMPLE	504481-004	Soil	335517	03/18/24 12:15	1.0	1	2:FE=150
052	met06_master011	SAMPLE	504482-004	Soil	335517	03/18/24 12:18	1.0	1	3:FE=220
053	met06_master011	CCV				03/18/24 12:22	1.0	10 1	
054	met06_master011	CCB				03/18/24 12:25	1.0	1	
055	met06_master011	BLANK	QC1137116	Water	335580	03/18/24 12:29	1.0	1	
056	met06_master011	BLANK	QC1137145	WET Leachate	335588	03/18/24 12:32	1.0	1	
057	met06_master011	BLANK	QC1137146	WET Leachate	335588	03/18/24 12:35	1.0	1	
058	met06_master011	BLANK	QC1137147	WET Leachate	335588	03/18/24 12:39	1.0	1	

Enthalpy Sequence Summary for Sequence 484112848

Instrument: MET06 Begun: 03/18/24 08:48
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
059	met06_master011	BS	QC1137148	WET Leachate	335588	03/18/24 12:42	1.0	1	
060	met06_master011	BSD	QC1137149	WET Leachate	335588	03/18/24 12:45	1.0	1	
061	met06_master011	SAMPLE	503359-001	WET Leachate	335588	03/18/24 12:49	1.0	1	
062	met06_master011	SAMPLE	503359-002	WET Leachate	335588	03/18/24 12:52	1.0	1	
063	met06_master011	SAMPLE	503458-019	WET Leachate	335588	03/18/24 12:55	1.0	1	
064	met06_master011	SAMPLE	503618-001	WET Leachate	335588	03/18/24 12:58	1.0	1	
065	met06_master011	CCV				03/18/24 13:02	1.0	10 1	
066	met06_master011	CCB				03/18/24 13:05	1.0	1	
067	met06_master011	SAMPLE	504094-005	WET Leachate	335588	03/18/24 13:08	1.0	1	
068	met06_master011	SAMPLE	504094-015	WET Leachate	335588	03/18/24 13:12	1.0	1	
069	met06_master011	SAMPLE	504094-025	WET Leachate	335588	03/18/24 13:15	1.0	1	
070	met06_master011	SAMPLE	504094-035	WET Leachate	335588	03/18/24 13:18	1.0	1	
071	met06_master011	SAMPLE	504094-040	WET Leachate	335588	03/18/24 13:21	1.0	1	
072	met06_master011	CCV				03/18/24 13:25	1.0	10 1	
073	met06_master011	CCB				03/18/24 13:28	1.0	1	
074	met06_master011	BLANK	QC1136966	Wipe	335543	03/18/24 14:16	1.0	1	
075	met06_master011	BS	QC1136967	Wipe	335543	03/18/24 14:19	1.0	1	
076	met06_master011	BSD	QC1136968	Wipe	335543	03/18/24 14:22	1.0	1	
077	met06_master011	SAMPLE	504368-001	Wipe	335543	03/18/24 14:26	1.0	1	1:FE=40
078	met06_master011	SAMPLE	504368-002	Wipe	335543	03/18/24 14:29	1.0	1	1:FE=49
079	met06_master011	SAMPLE	504368-003	Wipe	335543	03/18/24 14:32	1.0	1	1:FE=110
080	met06_master011	SAMPLE	504368-004	Wipe	335543	03/18/24 14:36	1.0	1	1:FE=73
081	met06_master011	SAMPLE	504368-005	Wipe	335543	03/18/24 14:39	1.0	1	1:FE=76
082	met06_master011	SAMPLE	504369-021	Wipe	335543	03/18/24 14:42	1.0	1	
083	met06_master011	SAMPLE	504369-022	Wipe	335543	03/18/24 14:46	1.0	1	
084	met06_master011	CCV				03/18/24 14:49	1.0	10 1	
085	met06_master011	CCB				03/18/24 14:52	1.0	1	
086	met06_master011	SAMPLE	504369-023	Wipe	335543	03/18/24 14:55	1.0	1	
087	met06_master011	SAMPLE	504369-024	Wipe	335543	03/18/24 14:59	1.0	1	

Enthalpy Sequence Summary for Sequence 484112848

Instrument: MET06 Begun: 03/18/24 08:48
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
088	met06_master011	SAMPLE	504506-003	Wipe	335543	03/18/24 15:02	1.0	1	1:FE=67
089	met06_master011	SAMPLE	504506-005	Wipe	335543	03/18/24 15:05	1.0	1	1:FE=79
090	met06_master011	SAMPLE	504506-007	Wipe	335543	03/18/24 15:09	1.0	1	1:FE=48
091	met06_master011	SAMPLE	504506-009	Wipe	335543	03/18/24 15:12	1.0	1	1:FE=67
092	met06_master011	SAMPLE	504506-011	Wipe	335543	03/18/24 15:15	1.0	1	1:FE=84
093	met06_master011	SAMPLE	504506-013	Wipe	335543	03/18/24 15:18	1.0	1	1:FE=86
094	met06_master011	SAMPLE	504506-014	Wipe	335543	03/18/24 15:22	1.0	1	1:FE=130
095	met06_master011	SAMPLE	504506-016	Wipe	335543	03/18/24 15:25	1.0	1	1:FE=100
096	met06_master011	CCV				03/18/24 15:28	1.0	10 1	
097	met06_master011	CCB				03/18/24 15:32	1.0	1	
098	met06_master011	SAMPLE	504506-018	Wipe	335543	03/18/24 15:35	1.0	1	1:FE=140
099	met06_master011	SAMPLE	504506-020	Wipe	335543	03/18/24 15:38	1.0	1	1:FE=66
100	met06_master011	SAMPLE	504506-022	Wipe	335543	03/18/24 15:41	1.0	1	1:FE=78
101	met06_master011	CCV				03/18/24 15:45	1.0	10 1	
102	met06_master011	CCB				03/18/24 15:48	1.0	1	

SBW 03/18/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 026.

Standards Used:
1=S16862 2=S19988 3=S19987 4=S19986 5=S19985 6=S19984 7=S19983 8=S20134 9=S20135 10=S20203 11=S20132 12=S20136 13=S20133

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	504506-003	Client ID:	AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-L-LA
Seqnum:	484112848088	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	335543	Time:	18-MAR-2024 15:02
Cal:	484112848001	Caldate:	18-MAR-2024		
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	1.142	57	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1661850	1600890	-3.67

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 504506-003,335543			Sample Type: Unknown Sample
Measure Date: 2024-03-18 15:02:31	Recalculation Date:	State: Measured	Quality:

	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	64712.90000	727406	6788.950000	15703.10000	17613.10000	7493260	14943.30000
Int RSD	*0.3559507*	*0.8100332*	*0.8793731*	*0.7131713*	*0.6524916*	*0.6982368*	*1.4144265*
Int SD	*230.3460000*	*5892.230000*	*59.7002000*	*111.9900000*	*114.9240000*	*52320.70000*	*211.3620000*
RelInt Mean	0.0000183	0.0239267	-0.0000161	0.0018532	0.0036200	0.2766310	0.0022952
RelInt RSD	*93.9610574*	*0.7747287*	*164.1560714*	*1.5537623*	*2.3245967*	*0.3644277*	*6.2997721*
RelInt SD	*0.0000172*	*0.0001854*	*0.0000265*	*0.0000288*	*0.0000842*	*0.0010081*	*0.0001446*
Conc Mean	<-0.0007724[mg/l]	1.7835200[mg/l]	<0.0009260[mg/l]	0.0108147[mg/l]	0.0096335[mg/l]	10.8734000[mg/l]	0.0111553[mg/l]
Conc RSD	*84.4989021*	*0.7753207*	*143.2960378*	*2.8923317*	*2.3487444*	*0.3690456*	*6.5587030*
Conc SD	*0.0006527[mg/l]*	*0.0138280[mg/l]*	*0.0013270[mg/l]*	*0.0003128[mg/l]*	*0.0002263[mg/l]*	*0.0401278[mg/l]*	*0.0007316[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	21396.80000	295335	31961500	252819	377531	1083340	7471.230000
Int RSD	*4.8022134*	*2.0047404*	*0.2361910*	*0.9995293*	*0.7169345*	*1.4068344*	*0.1214858*
Int SD	*1027.520000*	*5920.700000*	*75490.20000*	*2527.000000*	*2706.650000*	*15240.80000*	*9.0764800*
RelInt Mean	0.0060159	0.0078953	20.1187000	0.0089393	0.0115482	0.6734100	0.0000182
RelInt RSD	*11.1277191*	*2.9788468*	*0.8349297*	*1.1790224*	*0.7144170*	*0.8467516*	*170.5486440*
RelInt SD	*0.0006694*	*0.0002352*	*0.1679770*	*0.0001054*	*0.0000825*	*0.0057021*	*0.0000311*
Conc Mean	0.0369893[mg/l]	0.2521520[mg/l]	66.6307000[mg/l]	2.0921600[mg/l]	3.6022700[mg/l]	0.4315400[mg/l]	<0.0000815[mg/l]
Conc RSD	*11.0430314*	*3.0219828*	*0.8349500*	*1.1898325*	*0.7443251*	*0.8477453*	*301.3376174*
Conc SD	*0.0040847[mg/l]*	*0.0076200[mg/l]*	*0.5563330[mg/l]*	*0.0248932[mg/l]*	*0.0268126[mg/l]*	*0.0036584[mg/l]*	*0.0002455[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	2576390	31033.10000	67273.80000	8434.120000	6669.160000	10901.20000	594122
Int RSD	*0.5126631*	*0.3475257*	*0.5572927*	*0.5063053*	*0.9746760*	*0.5482800*	*0.3217689*
Int SD	*13208.20000*	*107.8480000*	*374.9120000*	*42.7024000*	*65.0027000*	*59.7691000*	*1911.700000*
RelInt Mean	0.0941146	0.0119710	0.0356068	0.0002554	0.0000954	0.0018787	0.0199251
RelInt RSD	*0.4071600*	*0.8170362*	*1.1514851*	*11.4264123*	*27.5050771*	*2.3952498*	*0.4697286*
RelInt SD	*0.0003832*	*0.0000978*	*0.0004100*	*0.0000292*	*0.0000262*	*0.0000450*	*0.0000936*
Conc Mean	3.2839400[mg/l]	0.0896790[mg/l]	1.1417200[mg/l]	0.0119889[mg/l]	0.0082037[mg/l]	0.0343848[mg/l]	0.0977246[mg/l]
Conc RSD	*0.4097943*	*0.8183432*	*1.1492485*	*11.4035483*	*21.8657588*	*2.4563790*	*0.5073462*
Conc SD	*0.0134574[mg/l]*	*0.0007339[mg/l]*	*0.0131212[mg/l]*	*0.0013672[mg/l]*	*0.0017938[mg/l]*	*0.0008446[mg/l]*	*0.0004958[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	770023	6564.760000	18994.00000	1600890	29767600	27002100	1635290
Int RSD	*1.2935094*	*0.2364976*	*0.8431610*	*0.6016110*	*0.9664535*	*0.3421434*	*0.7443512*
Int SD	*9960.320000*	*15.5255000*	*160.1500000*	*9631.130000*	*287690*	*92385.90000*	*12172.30000*
RelInt Mean	0.0235248	-0.0003916	0.0000942	---	---	---	1.0248800
RelInt RSD	*2.4074679*	*4.9096002*	*3.6540557*	---	---	---	*0.1728036*
RelInt SD	*0.0005664*	*0.0000192*	*0.0000034*	---	---	---	*0.0017710*
Conc Mean	0.2089820[mg/l]	<-0.0224269[mg/l]	0.0076291[mg/l]	1587880	29675000	26927600	3.1117800[mg/l]
Conc RSD	*2.4064513*	*5.4464505*	*7.1682767*	---	---	---	*0.1730325*
Conc SD	*0.0050291[mg/l]*	*0.0012215[mg/l]*	*0.0005469[mg/l]*	*9729.720000*	*287876*	*91955.40000*	*0.0053844[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	37420.00000	119537	470342	40257.20000	11721.40000	61921.20000	
Int RSD	*0.7607883*	*0.4694413*	*0.9951121*	*0.4504685*	*0.1302609*	*0.4210933*	
Int SD	*284.6870000*	*561.1560000*	*4680.430000*	*181.3460000*	*15.2684000*	*260.7460000*	
RelInt Mean	-0.0004384	0.0031775	0.2874120	0.0217094	-0.0000472	0.0352156	
RelInt RSD	*5.1436301*	*0.1379515*	*0.4798582*	*1.0598635*	*112.6939154*	*0.9319847*	
RelInt SD	*0.0000225*	*0.0000044*	*0.0013792*	*0.0002301*	*0.0000531*	*0.0003282*	
Conc Mean	<0.0000626[mg/l]	0.0062980[mg/l]	4.4326300[mg/l]	0.6439580[mg/l]	<-0.0003106[mg/l]	3.4451200[mg/l]	
Conc RSD	*91.3169690*	*0.1496504*	*0.4810079*	*1.0723044*	*55.5279787*	*0.9280228*	
Conc SD	*0.0000572[mg/l]*	*0.0000094[mg/l]*	*0.0213213[mg/l]*	*0.0069052[mg/l]*	*0.0001725[mg/l]*	*0.0319715[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	504506-005	Client ID:	AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-L-LA
Seqnum:	484112848089	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	335543	Time:	18-MAR-2024 15:05
Cal:	484112848001	Caldate:	18-MAR-2024		
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	0.6135	31	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1661850	1597970	-3.84

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 504506-005,335543 | Sample Type: Unknown Sample

Measure Date: 2024-03-18 15:05:48 | Recalculation Date: | State: Measured | Quality:

	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	65031.00000	938797	7024.320000	16549.90000	18141.80000	9372250	16398.00000
Int RSD	*0.3202042*	*0.5136755*	*0.1876965*	*0.8504039*	*0.7576591*	*1.4228067*	*0.8188621*
Int SD	*208.2320000*	*4822.370000*	*13.1844000*	*140.7410000*	*137.4530000*	*133349*	*134.2770000*
RelInt Mean	0.0000230	0.0312291	-0.0000006	0.0022651	0.0038862	0.3461170	0.0031652
RelInt RSD	*22.4802735*	*1.1059012*	*589.1056411*	*2.3024732*	*1.8486877*	*1.1046814*	*2.8852759*
RelInt SD	*0.0000052*	*0.0003454*	*0.0000035*	*0.0000522*	*0.0000718*	*0.0038235*	*0.0000913*
Conc Mean	<-0.0005965[mg/l]	2.3282700[mg/l]	<0.0016655[mg/l]	0.0152872[mg/l]	0.0103416[mg/l]	13.6397000[mg/l]	0.0153269[mg/l]
Conc RSD	*32.8046523*	*1.1067789*	*10.4490651*	*3.7052305*	*1.8726406*	*1.1161169*	*3.0285772*
Conc SD	*0.0001957[mg/l]*	*0.0257688[mg/l]*	*0.0001740[mg/l]*	*0.0005664[mg/l]*	*0.0001937[mg/l]*	*0.1522350[mg/l]*	*0.0004642[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	33594.10000	295584	37958400	289990	419416	1391530	8096.320000
Int RSD	*0.4660551*	*1.8333469*	*0.6906008*	*0.6713783*	*0.5610086*	*0.4070627*	*0.2385615*
Int SD	*156.5670000*	*5419.080000*	*262141*	*1946.930000*	*2352.960000*	*5664.400000*	*19.3147000*
RelInt Mean	0.0135822	0.0079656	23.9396000	0.0103014	0.0130556	0.8689770	0.0003542
RelInt RSD	*1.3221496*	*1.8082060*	*0.2425178*	*1.1022579*	*1.0715172*	*0.9422424*	*1.2270235*
RelInt SD	*0.0001796*	*0.0001440*	*0.0580578*	*0.0001135*	*0.0001399*	*0.0081879*	*0.0000043*
Conc Mean	0.0831579[mg/l]	0.2544310[mg/l]	79.2851000[mg/l]	2.4138800[mg/l]	4.0924200[mg/l]	0.5569980[mg/l]	0.0027349[mg/l]
Conc RSD	*1.3175657*	*1.8340572*	*0.2424970*	*1.1111074*	*1.1112545*	*0.9429926*	*1.2549938*
Conc SD	*0.0010957[mg/l]*	*0.0046664[mg/l]*	*0.1922640[mg/l]*	*0.0268208[mg/l]*	*0.0454772[mg/l]*	*0.0052524[mg/l]*	*0.0000343[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	2620610	45909.50000	41265.50000	8671.980000	6867.650000	11148.00000	681923
Int RSD	*1.2151255*	*0.0503843*	*0.6184440*	*0.5203102*	*0.5903475*	*1.2856387*	*1.0865890*
Int SD	*31843.70000*	*23.1312000*	*255.2040000*	*45.1212000*	*40.5430000*	*143.3230000*	*7409.700000*
RelInt Mean	0.0956757	0.0212832	0.0191555	0.0003055	0.0001411	0.0018489	0.0231330
RelInt RSD	*0.4359477*	*0.8818082*	*0.6036543*	*5.1719951*	*27.7275143*	*4.8038802*	*1.3182769*
RelInt SD	*0.0004171*	*0.0001877*	*0.0001156*	*0.0000158*	*0.0000391*	*0.0000888*	*0.0003050*
Conc Mean	3.3387500[mg/l]	0.1595330[mg/l]	0.6134530[mg/l]	0.0141071[mg/l]	0.0113266[mg/l]	0.0338257[mg/l]	0.1147140[mg/l]
Conc RSD	*0.4385683*	*0.8824569*	*0.6035034*	*5.3663120*	*23.6102626*	*4.9286489*	*1.4083024*
Conc SD	*0.0146427[mg/l]*	*0.0014078[mg/l]*	*0.0037022[mg/l]*	*0.0007570[mg/l]*	*0.0026742[mg/l]*	*0.0016671[mg/l]*	*0.0016155[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	1163970	6780.310000	19731.10000	1597970	29464700	27020500	1108340
Int RSD	*0.5496027*	*0.6508611*	*0.6011930*	*0.8394713*	*0.5822662*	*1.3222220*	*0.5752432*
Int SD	*6397.210000*	*44.1304000*	*118.6220000*	*13414.50000*	*171563*	*357271*	*6375.650000*
RelInt Mean	0.0372292	-0.0004050	0.0001131	---	---	---	0.6943530
RelInt RSD	*1.1013210*	*4.2461309*	*5.3366127*	---	---	---	*0.2688848*
RelInt SD	*0.0004100*	*0.0000172*	*0.0000060*	---	---	---	*0.0018670*
Conc Mean	0.3306720[mg/l]	<-0.0235859[mg/l]	0.0106257[mg/l]	1584900	29371500	26945800	2.1075000[mg/l]
Conc RSD	*1.1009611*	*4.5707817*	*9.0205728*	---	---	---	*0.2691127*
Conc SD	*0.0036406[mg/l]*	*0.0010781[mg/l]*	*0.0009585[mg/l]*	*13397.40000*	*171222*	*357206*	*0.0056716[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	38599.80000	129106	609189	54337.50000	11877.70000	60704.50000	
Int RSD	*0.6204203*	*0.5727766*	*2.8092924*	*0.2614051*	*0.3167937*	*0.2399641*	
Int SD	*239.4810000*	*739.4890000*	*17113.90000*	*142.0410000*	*37.6278000*	*145.6690000*	
RelInt Mean	-0.0004021	0.0035146	0.3753430	0.0304978	0.0000076	0.0343979	
RelInt RSD	*3.0102377*	*1.2381095*	*3.5025030*	*0.8732630*	*838.6142141*	*0.6269772*	
RelInt SD	*0.0000121*	*0.0000435*	*0.0131464*	*0.0002663*	*0.0000638*	*0.0002157*	
Conc Mean	<0.0001545[mg/l]	0.0070232[mg/l]	5.7918700[mg/l]	0.9076940[mg/l]	<-0.0001306[mg/l]	3.3654700[mg/l]	
Conc RSD	*19.8656719*	*1.3329347*	*3.5087804*	*0.8804740*	*163.3598714*	*0.6240941*	
Conc SD	*0.0000307[mg/l]*	*0.0000936[mg/l]*	*0.2032240[mg/l]*	*0.0079920[mg/l]*	*0.0002134[mg/l]*	*0.0210037[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	504506-007	Client ID:	AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-L-WF
Seqnum:	484112848090	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	335543	Time:	18-MAR-2024 15:09
Cal:	484112848001	Caldate:	18-MAR-2024		
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	1.575	79	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1661850	1626290	-2.14

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 504506-007,335543	Sample Type: Unknown Sample		
Measure Date: 2024-03-18 15:09:07	Recalculation Date:	State: Measured	Quality:

	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	65592.40000	901258	6364.900000	16113.00000	18842.90000	6379790	15250.70000
Int RSD	*0.2527747*	*1.4608248*	*0.1572939*	*0.8527959*	*0.4166201*	*0.5905257*	*0.7967831*
Int SD	*165.8010000*	*13165.80000*	*10.0116000*	*137.4110000*	*78.5033000*	*37674.30000*	*121.5150000*
RelInt Mean	0.0000175	0.0299885	-0.0003108	0.0022082	0.0043561	0.2315950	0.0024702
RelInt RSD	*6.4050986*	*1.6476149*	*3.1022485*	*1.2775267*	*1.3278912*	*0.3410652*	*4.5001660*
RelInt SD	*0.0000011*	*0.0004941*	*0.0000096*	*0.0000282*	*0.0000578*	*0.0007899*	*0.0001112*
Conc Mean	<-0.0008029[mg/l]	2.2357200[mg/l]	<-0.0138721[mg/l]	0.0146699[mg/l]	0.0116188[mg/l]	9.0804800[mg/l]	0.0120653[mg/l]
Conc RSD	*5.2973814*	*1.6485785*	*3.4888589*	*2.0884260*	*1.3435295*	*0.3464233*	*4.6015101*
Conc SD	*0.0000425[mg/l]*	*0.0368576[mg/l]*	*0.0004840[mg/l]*	*0.0003064[mg/l]*	*0.0001561[mg/l]*	*0.0314569[mg/l]*	*0.0005552[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	17987.40000	191686	23468600	276041	416888	1083510	7355.130000
Int RSD	*1.0081724*	*2.1116461*	*0.5528451*	*0.4666734*	*0.5185182*	*1.4106007*	*0.4607560*
Int SD	*181.3440000*	*4047.730000*	*129745*	*1288.210000*	*2161.640000*	*15284.00000*	*33.8892000*
RelInt Mean	0.0039356	0.0043541	14.5362000	0.0096313	0.0127967	0.6630530	0.0000064
RelInt RSD	*2.8306959*	*2.8038566*	*0.3910589*	*0.8415673*	*1.2210961*	*1.3787676*	*671.2255317*
RelInt SD	*0.0001114*	*0.0001221*	*0.0568451*	*0.0000811*	*0.0001563*	*0.0091420*	*0.0000427*
Conc Mean	0.0242961[mg/l]	0.1374220[mg/l]	48.1418000[mg/l]	2.2556000[mg/l]	4.0082500[mg/l]	0.4248960[mg/l]	<-0.0000123[mg/l]
Conc RSD	*2.7980128*	*2.8784183*	*0.3910323*	*0.8487099*	*1.2676031*	*1.3802413*	*2749.300668*
Conc SD	*0.0006798[mg/l]*	*0.0039556[mg/l]*	*0.1882500[mg/l]*	*0.0191435[mg/l]*	*0.0508087[mg/l]*	*0.0058646[mg/l]*	*0.0003371[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	2716790	19274.20000	89976.90000	8268.600000	6702.080000	10604.70000	548397
Int RSD	*0.2894394*	*0.1313019*	*0.0977484*	*0.9260939*	*0.2176533*	*0.2630353*	*1.0277190*
Int SD	*7863.460000*	*25.3074000*	*87.9510000*	*76.5750000*	*14.5873000*	*27.8941000*	*5635.980000*
RelInt Mean	0.0977366	0.0044436	0.0491020	0.0001138	0.0001452	0.0015918	0.0179241
RelInt RSD	*0.7445921*	*0.3914955*	*0.0693485*	*38.1285707*	*10.7473133*	*0.9943776*	*1.5987190*
RelInt SD	*0.0007277*	*0.0000174*	*0.0000341*	*0.0000434*	*0.0000156*	*0.0000158*	*0.0002866*
Conc Mean	3.4111100[mg/l]	0.0332136[mg/l]	1.5752300[mg/l]	0.0053150[mg/l]	0.0116025[mg/l]	0.0290014[mg/l]	0.0871273[mg/l]
Conc RSD	*0.7491315*	*0.3928692*	*0.0705116*	*38.9313580*	*9.1892265*	*1.0241644*	*1.7419798*
Conc SD	*0.0255537[mg/l]*	*0.0001305[mg/l]*	*0.0011107[mg/l]*	*0.0020692[mg/l]*	*0.0010662[mg/l]*	*0.0002970[mg/l]*	*0.0015177[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	718889	6620.820000	19560.30000	1626290	29958400	27432400	3376220
Int RSD	*7.4419834*	*0.2197522*	*0.6544685*	*0.1989209*	*0.9593136*	*0.4416894*	*0.4108500*
Int SD	*53499.60000*	*14.5494000*	*128.0160000*	*3235.030000*	*287395*	*121166*	*13871.20000*
RelInt Mean	0.0216370	-0.0003545	0.0001063	---	---	---	2.0874800
RelInt RSD	*8.8427231*	*2.9033514*	*4.4233898*	---	---	---	*0.2680361*
RelInt SD	*0.0019133*	*0.0000103*	*0.0000047*	---	---	---	*0.0055952*
Conc Mean	0.1922190[mg/l]	<-0.0200380[mg/l]	0.0095483[mg/l]	1613410	29865300	27358000	6.3404400[mg/l]
Conc RSD	*8.8387724*	*3.2190837*	*7.8199479*	---	---	---	*0.2682085*
Conc SD	*0.0169898[mg/l]*	*0.0006450[mg/l]*	*0.0007467[mg/l]*	*3230.190000*	*288193*	*120969*	*0.0170056[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	38441.30000	85774.10000	523579	58028.30000	11666.20000	58291.40000	
Int RSD	*0.8442743*	*0.6537964*	*0.5822732*	*0.3356190*	*1.3705320*	*0.6013597*	
Int SD	*324.5500000*	*560.7880000*	*3048.660000*	*194.7540000*	*159.8890000*	*350.5410000*	
RelInt Mean	-0.0004117	0.0018759	0.3158940	0.0323354	0.0001052	0.0323662	
RelInt RSD	*0.9883616*	*0.3419722*	*0.7098267*	*0.2522613*	*72.1248859*	*0.5273124*	
RelInt SD	*0.0000041*	*0.0000064*	*0.0022423*	*0.0000816*	*0.0000759*	*0.0001707*	
Conc Mean	<0.0001302[mg/l]	0.0034978[mg/l]	4.8729300[mg/l]	0.9628400[mg/l]	<0.0002514[mg/l]	3.1675700[mg/l]	
Conc RSD	*7.9274934*	*0.3945485*	*0.7111409*	*0.2541627*	*100.0111370*	*0.5247871*	
Conc SD	*0.0000103[mg/l]*	*0.0000138[mg/l]*	*0.0346534[mg/l]*	*0.0024472[mg/l]*	*0.0002514[mg/l]*	*0.0166230[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	504506-009	Client ID:	AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-L-LA
Seqnum:	484112848091	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	335543	Time:	18-MAR-2024 15:12
Cal:	484112848001	Caldate:	18-MAR-2024		
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	0.5520	28	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1661850	1597990	-3.84

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 504506-009,335543			Sample Type: Unknown Sample
Measure Date: 2024-03-18 15:12:23	Recalculation Date:	State: Measured	Quality:

	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	65081.10000	1071200	7135.090000	16825.80000	19081.60000	8758740	14857.30000
Int RSD	*0.7475473*	*1.5309466*	*0.4247641*	*1.4228090*	*0.7359026*	*1.0457372*	*0.4018382*
Int SD	*486.5120000*	*16399.50000*	*30.3073000*	*239.3990000*	*140.4220000*	*91593.40000*	*59.7023000*
RelInt Mean	0.0000175	0.0358400	-0.0000410	0.0025540	0.0044831	0.3192330	0.0021898
RelInt RSD	*34.8536459*	*2.5614593*	*104.5138770*	*3.3160456*	*1.9079273*	*1.5724533*	*1.2967660*
RelInt SD	*0.0000061*	*0.0009180*	*0.0000428*	*0.0000847*	*0.0000855*	*0.0050198*	*0.0000284*
Conc Mean	<-0.0008033[mg/l]	2.6722400[mg/l]	<-0.0003278[mg/l]	0.0184256[mg/l]	0.0119624[mg/l]	12.5694000[mg/l]	0.0105173[mg/l]
Conc RSD	*28.7966438*	*2.5629023*	*655.9551734*	*4.9922553*	*1.9286431*	*1.5900679*	*1.1918743*
Conc SD	*0.0002313[mg/l]*	*0.0684869[mg/l]*	*0.0021505[mg/l]*	*0.0009199[mg/l]*	*0.0002307[mg/l]*	*0.1998620[mg/l]*	*0.0001254[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	22937.80000	417925	32064100	272145	427329	1044400	7498.150000
Int RSD	*1.0326317*	*1.7549417*	*0.2919318*	*1.2057580*	*1.3899595*	*0.8936164*	*1.0907357*
Int SD	*236.8630000*	*7334.340000*	*93605.30000*	*3281.410000*	*5939.700000*	*9332.930000*	*81.7850000*
RelInt Mean	0.0069624	0.0120050	20.2195000	0.0095162	0.0131933	0.6500190	-0.0000363
RelInt RSD	*2.7228359*	*2.6260392*	*0.6771137*	*2.2707536*	*2.7230185*	*0.5124496*	*18.2714110*
RelInt SD	*0.0001896*	*0.0003153*	*0.1369090*	*0.0002161*	*0.0003593*	*0.0033310*	*0.0000066*
Conc Mean	0.0427649[mg/l]	0.3853040[mg/l]	66.9644000[mg/l]	2.2284200[mg/l]	4.1372100[mg/l]	0.4165350[mg/l]	<-0.0003490[mg/l]
Conc RSD	*2.7049753*	*2.6510496*	*0.6769000*	*2.2901518*	*2.8235937*	*0.5130277*	*15.0005587*
Conc SD	*0.0011568[mg/l]*	*0.0102146[mg/l]*	*0.4532820[mg/l]*	*0.0510342[mg/l]*	*0.1168180[mg/l]*	*0.0021369[mg/l]*	*0.0000524[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	3380770	43800.70000	38103.90000	8531.210000	6977.060000	13342.00000	638807
Int RSD	*0.7042952*	*0.4088336*	*0.1733489*	*0.0597630*	*0.6222764*	*1.0670514*	*1.8044417*
Int SD	*23810.60000*	*179.0720000*	*66.0527000*	*5.0985100*	*43.4166000*	*142.3660000*	*11526.90000*
RelInt Mean	0.1222200	0.0199553	0.0172210	0.0002322	0.0001606	0.0029974	0.0212637
RelInt RSD	*1.7829979*	*0.2420380*	*0.4726607*	*9.1120882*	*21.5649694*	*2.8374130*	*2.8491843*
RelInt SD	*0.0021792*	*0.0000483*	*0.0000814*	*0.0000212*	*0.0000346*	*0.0000850*	*0.0006058*
Conc Mean	4.2706800[mg/l]	0.1495710[mg/l]	0.5519660[mg/l]	0.0108506[mg/l]	0.0126571[mg/l]	0.0553835[mg/l]	0.1048140[mg/l]
Conc RSD	*1.7914477*	*0.2421572*	*0.4693568*	*9.2381988*	*18.6990701*	*2.8823386*	*3.0611560*
Conc SD	*0.0765070[mg/l]*	*0.0003622[mg/l]*	*0.0025907[mg/l]*	*0.0010024[mg/l]*	*0.0023668[mg/l]*	*0.0015963[mg/l]*	*0.0032085[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	977038	6890.070000	19779.70000	1597990	29753300	27370700	1497910
Int RSD	*6.0327950*	*0.1394395*	*0.2851990*	*0.3951151*	*0.5632686*	*1.1472925*	*0.4038213*
Int SD	*58942.70000*	*9.6074800*	*56.4115000*	*6313.900000*	*167591*	*314022*	*6048.880000*
RelInt Mean	0.0305650	-0.0004097	0.0001182	---	---	---	0.9400460
RelInt RSD	*6.0141665*	*3.1628648*	*2.7736620*	---	---	---	*0.2257007*
RelInt SD	*0.0018382*	*0.0000130*	*0.0000033*	---	---	---	*0.0021217*
Conc Mean	0.2714960[mg/l]	<-0.0237260[mg/l]	0.0114263[mg/l]	1585010	29660300	27295700	2.8540300[mg/l]
Conc RSD	*6.0121696*	*3.5966619*	*4.5538188*	---	---	---	*0.2259300*
Conc SD	*0.0163228[mg/l]*	*0.0008533[mg/l]*	*0.0005203[mg/l]*	*6303.060000*	*167357*	*314626*	*0.0064481[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	37914.30000	79176.50000	625342	59701.40000	11725.20000	59443.70000	
Int RSD	*0.4859301*	*0.2387779*	*1.8074909*	*0.5274097*	*0.6834399*	*0.2041915*	
Int SD	*184.2370000*	*189.0560000*	*11303.00000*	*314.8710000*	*80.1347000*	*121.3790000*	
RelInt Mean	-0.0004418	0.0016478	0.3855180	0.0337751	-0.0000295	0.0335499	
RelInt RSD	*3.0231305*	*1.2118327*	*1.6199866*	*0.6186481*	*182.7476883*	*0.4244424*	
RelInt SD	*0.0000134*	*0.0000200*	*0.0062453*	*0.0002089*	*0.0000539*	*0.0001424*	
Conc Mean	<0.0000541[mg/l]	0.0030070[mg/l]	5.9492300[mg/l]	1.0060400[mg/l]	<-0.0002472[mg/l]	3.2828600[mg/l]	
Conc RSD	*62.6342291*	*1.4285771*	*1.6227798*	*0.6233112*	*69.8895844*	*0.4224914*	
Conc SD	*0.0000339[mg/l]*	*0.0000430[mg/l]*	*0.0965429[mg/l]*	*0.0062708[mg/l]*	*0.0001727[mg/l]*	*0.0138698[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	504506-011	Client ID:	AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-L-LA
Seqnum:	484112848092	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	335543	Time:	18-MAR-2024 15:15
Cal:	484112848001	Caldate:	18-MAR-2024		
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	0.4063	20	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1661850	1597730	-3.86

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 504506-011,335543	Sample Type: Unknown Sample		
Measure Date: 2024-03-18 15:15:39	Recalculation Date:	State: Measured	Quality:

	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	65429.50000	1056670	7435.940000	15939.60000	18754.70000	9194230	16812.20000
Int RSD	*0.5072987*	*0.1989864*	*0.4742507*	*0.5292705*	*0.9256986*	*0.7933345*	*1.1724521*
Int SD	*331.9230000*	*2102.630000*	*35.2650000*	*84.3636000*	*173.6120000*	*72941.00000*	*197.1150000*
RelInt Mean	0.0000171	0.0353624	0.0003346	0.0017912	0.0042140	0.3360490	0.0033627
RelInt RSD	*35.3313020*	*0.6057366*	*5.9398665*	*1.4780366*	*2.2965496*	*0.9210056*	*3.6156280*
RelInt SD	*0.0000060*	*0.0002142*	*0.0000199*	*0.0000265*	*0.0000968*	*0.0030950*	*0.0001216*
Conc Mean	<-0.0008201[mg/l]	2.6366000[mg/l]	0.0185294[mg/l]	0.0101404[mg/l]	0.0112328[mg/l]	13.2389000[mg/l]	0.0163498[mg/l]
Conc RSD	*27.8703497*	*0.6060153*	*5.3917288*	*2.8354108*	*2.3162791*	*0.9307495*	*3.7061004*
Conc SD	*0.0002286[mg/l]*	*0.0159782[mg/l]*	*0.0009991[mg/l]*	*0.0002875[mg/l]*	*0.0002602[mg/l]*	*0.1232210[mg/l]*	*0.0006059[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	27957.20000	360130	40249200	285228	439661	1413440	7677.440000
Int RSD	*0.6131945*	*2.0499542*	*1.2549293*	*0.2126295*	*0.3955184*	*1.1548916*	*0.3385464*
Int SD	*171.4320000*	*7382.500000*	*505099*	*606.4790000*	*1738.940000*	*16323.70000*	*25.9917000*
RelInt Mean	0.0099388	0.0101062	25.3919000	0.0100278	0.0136703	0.8828900	0.0001005
RelInt RSD	*1.6635526*	*2.1595555*	*0.8799145*	*0.6812302*	*0.4904457*	*0.9381995*	*29.2997324*
RelInt SD	*0.0001653*	*0.0002182*	*0.2234270*	*0.0000683*	*0.0000670*	*0.0082833*	*0.0000295*
Conc Mean	0.0609263[mg/l]	0.3237850[mg/l]	84.0951000[mg/l]	2.3492700[mg/l]	4.2922900[mg/l]	0.5659230[mg/l]	0.0007314[mg/l]
Conc RSD	*1.6557710*	*2.1840264*	*0.8799288*	*0.6868048*	*0.5080528*	*0.9389634*	*31.8024467*
Conc SD	*0.0010088[mg/l]*	*0.0070716[mg/l]*	*0.7399770[mg/l]*	*0.0161349[mg/l]*	*0.0218071[mg/l]*	*0.0053138[mg/l]*	*0.0002326[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	2724550	126367	31008.80000	9232.310000	6809.390000	12309.90000	665292
Int RSD	*0.6689398*	*0.3253064*	*0.5794000*	*0.4699636*	*0.2505834*	*0.9306006*	*0.5711672*
Int SD	*18225.60000*	*411.0800000*	*179.6650000*	*43.3885000*	*17.0632000*	*114.5560000*	*3799.930000*
RelInt Mean	0.0985161	0.0719372	0.0127040	0.0006751	0.0000789	0.0027314	0.0223026
RelInt RSD	*1.2323772*	*0.9039746*	*1.5788413*	*3.0443657*	*8.9840644*	*2.3296747*	*1.1766610*
RelInt SD	*0.0012141*	*0.0006503*	*0.0002006*	*0.0000206*	*0.0000071*	*0.0000636*	*0.0002624*
Conc Mean	3.4384700[mg/l]	0.5395010[mg/l]	0.4062730[mg/l]	0.0318495[mg/l]	0.0070715[mg/l]	0.0503910[mg/l]	0.1103160[mg/l]
Conc RSD	*1.2396298*	*0.9040799*	*1.5753791*	*3.0937315*	*6.8471745*	*2.3701058*	*1.2600076*
Conc SD	*0.0426243[mg/l]*	*0.0048775[mg/l]*	*0.0064003[mg/l]*	*0.0009853[mg/l]*	*0.0004842[mg/l]*	*0.0011943[mg/l]*	*0.0013900[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	1113660	6716.060000	20100.00000	1597730	29582100	27297500	768233
Int RSD	*4.4780633*	*0.2862735*	*1.4293980*	*1.1228368*	*0.1755721*	*0.5858192*	*0.3807582*
Int SD	*49870.40000*	*19.2263000*	*287.3090000*	*17939.90000*	*51937.90000*	*159914*	*2925.110000*
RelInt Mean	0.0353750	-0.0003586	0.0001168	---	---	---	0.4799540
RelInt RSD	*4.9897385*	*5.9136916*	*2.4542543*	---	---	---	*0.7418732*
RelInt SD	*0.0017651*	*0.0000212*	*0.0000029*	---	---	---	*0.0035607*
Conc Mean	0.3142060[mg/l]	<-0.0206076[mg/l]	0.0112054[mg/l]	1584460	29488600	27222200	1.4560700[mg/l]
Conc RSD	*4.9883198*	*6.4372853*	*4.0613365*	---	---	---	*0.7430343*
Conc SD	*0.0156736[mg/l]*	*0.0013266[mg/l]*	*0.0004551[mg/l]*	*17931.00000*	*51261.10000*	*159811*	*0.0108191[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	37816.00000	134004	649680	42840.40000	11927.90000	63969.90000	
Int RSD	*0.7224958*	*0.2177465*	*0.8279076*	*0.1975745*	*1.2847106*	*0.4138353*	
Int SD	*273.2190000*	*291.7890000*	*5378.750000*	*84.6417000*	*153.2390000*	*264.7300000*	
RelInt Mean	-0.0004378	0.0036696	0.4009120	0.0233351	-0.0000606	0.0365142	
RelInt RSD	*0.5751842*	*0.7452638*	*1.5605569*	*1.4113074*	*182.4827037*	*0.9834393*	
RelInt SD	*0.0000025*	*0.0000273*	*0.0062565*	*0.0003293*	*0.0001105*	*0.0003591*	
Conc Mean	<0.0000641[mg/l]	0.0073568[mg/l]	6.1871800[mg/l]	0.6927460[mg/l]	<-0.0004195[mg/l]	3.5716100[mg/l]	
Conc RSD	*9.9563946*	*0.7996996*	*1.5631063*	*1.4266946*	*88.6136785*	*0.9793091*	
Conc SD	*0.0000064[mg/l]*	*0.0000588[mg/l]*	*0.0967122[mg/l]*	*0.0098834[mg/l]*	*0.0003717[mg/l]*	*0.0349771[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	504506-013	Client ID:	AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-WF
Seqnum:	484112848093	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	335543	Time:	18-MAR-2024 15:18
Cal:	484112848001	Caldate:	18-MAR-2024		
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	0.4209	21	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1661850	1601540	-3.63

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 504506-013,335543			Sample Type: Unknown Sample
Measure Date: 2024-03-18 15:18:56	Recalculation Date:	State: Measured	Quality:

	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	65319.20000	1188240	6483.000000	16522.70000	19003.00000	7895130	19401.90000
Int RSD	*0.5986525*	*0.5850350*	*0.2476940*	*0.3076017*	*0.4578772*	*0.5142955*	*0.6187951*
Int SD	*391.0350000*	*6951.620000*	*16.0580000*	*50.8241000*	*87.0104000*	*40604.30000*	*120.0580000*
RelInt Mean	0.0000139	0.0413843	-0.0002094	0.0021250	0.0043568	0.2951240	0.0049715
RelInt RSD	*14.6784887*	*1.2766605*	*5.9277720*	*0.8884476*	*2.1557554*	*1.1773492*	*2.2414965*
RelInt SD	*0.0000020*	*0.0005283*	*0.0000124*	*0.0000189*	*0.0000939*	*0.0034746*	*0.0001114*
Conc Mean	<-0.0009399[mg/l]	3.0858300[mg/l]	<-0.0088009[mg/l]	0.0137661[mg/l]	0.0116191[mg/l]	11.6096000[mg/l]	0.0243227[mg/l]
Conc RSD	*8.2327086*	*1.2772188*	*7.0817203*	*1.4896158*	*2.1741271*	*1.1913503*	*2.5034597*
Conc SD	*0.0000774[mg/l]*	*0.0394128[mg/l]*	*0.0006233[mg/l]*	*0.0002051[mg/l]*	*0.0002526[mg/l]*	*0.1383110[mg/l]*	*0.0006089[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	25233.20000	354069	41106100	293469	474664	1826400	7699.040000
Int RSD	*0.7956581*	*2.1927449*	*0.8098020*	*0.5033922*	*0.3663096*	*0.8243265*	*0.3555547*
Int SD	*200.7700000*	*7763.830000*	*332878*	*1477.300000*	*1738.740000*	*15055.50000*	*27.3743000*
RelInt Mean	0.0082446	0.0099476	25.8714000	0.0105647	0.0152724	1.1407100	0.0000621
RelInt RSD	*1.4098649*	*2.0639815*	*0.9369304*	*2.1046693*	*2.0224392*	*0.8661807*	*47.2754487*
RelInt SD	*0.0001162*	*0.0002053*	*0.2423970*	*0.0002224*	*0.0003089*	*0.0098806*	*0.0000293*
Conc Mean	0.0505887[mg/l]	0.3186440[mg/l]	85.6831000[mg/l]	2.4760800[mg/l]	4.8132200[mg/l]	0.7313170[mg/l]	<0.0004277[mg/l]
Conc RSD	*1.4020285*	*2.0875020*	*0.9369537*	*2.1206867*	*2.0865450*	*0.8666215*	*54.1829958*
Conc SD	*0.0007093[mg/l]*	*0.0066517[mg/l]*	*0.8028110[mg/l]*	*0.0525099[mg/l]*	*0.1004300[mg/l]*	*0.0063377[mg/l]*	*0.0002317[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	3302840	25575.30000	31804.10000	8407.240000	6792.350000	9783.480000	659223
Int RSD	*0.0901115*	*0.1114392*	*0.5234608*	*0.5493087*	*0.5868337*	*0.1807118*	*1.0382117*
Int SD	*2976.240000*	*28.5009000*	*166.4820000*	*46.1817000*	*39.8598000*	*17.6799000*	*6844.130000*
RelInt Mean	0.1224840	0.0084130	0.0131655	0.0001622	0.0001023	0.0012294	0.0225659
RelInt RSD	*1.4541573*	*1.1590329*	*0.9906954*	*17.5574769*	*36.9299171*	*1.0711904*	*2.7969104*
RelInt SD	*0.0017811*	*0.0000975*	*0.0001304*	*0.0000285*	*0.0000378*	*0.0000132*	*0.0006311*
Conc Mean	4.2799400[mg/l]	0.0629898[mg/l]	0.4208650[mg/l]	0.0074660[mg/l]	0.0086758[mg/l]	0.0221981[mg/l]	0.1117110[mg/l]
Conc RSD	*1.4609924*	*1.1611547*	*0.9868438*	*18.1507317*	*29.7699128*	*1.1135412*	*2.9921404*
Conc SD	*0.0625296[mg/l]*	*0.0007314[mg/l]*	*0.0041533[mg/l]*	*0.0013551[mg/l]*	*0.0025828[mg/l]*	*0.0002472[mg/l]*	*0.0033426[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	1355810	6683.910000	20557.00000	1601540	29432600	26674500	1015570
Int RSD	*6.9827262*	*0.1687620*	*0.4510133*	*0.2363232*	*0.5609834*	*1.5134342*	*0.5730417*
Int SD	*94672.50000*	*11.2799000*	*92.7148000*	*3784.810000*	*165112*	*403701*	*5819.640000*
RelInt Mean	0.0437971	-0.0003392	0.0001373	---	---	---	0.6344950
RelInt RSD	*7.7022908*	*5.9980483*	*3.9385918*	---	---	---	*0.4126841*
RelInt SD	*0.0033734*	*0.0000203*	*0.0000054*	---	---	---	*0.0026185*
Conc Mean	0.3889920[mg/l]	<-0.0195659[mg/l]	0.0144606[mg/l]	1588210	29339500	26599400	1.9256400[mg/l]
Conc RSD	*7.7005183*	*6.8225842*	*5.9357426*	---	---	---	*0.4132912*
Conc SD	*0.0299544[mg/l]*	*0.0013349[mg/l]*	*0.0008583[mg/l]*	*3816.840000*	*164975*	*403576*	*0.0079585[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	38480.20000	88701.00000	761487	52606.60000	11859.70000	64562.00000	
Int RSD	*1.2163060*	*0.2573376*	*1.0082890*	*0.5617033*	*0.2642790*	*0.8334841*	
Int SD	*468.0370000*	*228.2610000*	*7677.990000*	*295.4930000*	*31.3427000*	*538.1140000*	
RelInt Mean	-0.0004482	0.0020429	0.4701150	0.0294756	-0.0001487	0.0368272	
RelInt RSD	*2.6775678*	*2.2907476*	*1.2819842*	*0.8587306*	*5.3376089*	*1.1755034*	
RelInt SD	*0.0000120*	*0.0000468*	*0.0060268*	*0.0002531*	*0.0000079*	*0.0004329*	
Conc Mean	<0.0000377[mg/l]	0.0038571[mg/l]	7.2569700[mg/l]	0.8770170[mg/l]	<-0.0006140[mg/l]	3.6020900[mg/l]	
Conc RSD	*80.7252369*	*2.6104000*	*1.2838499*	*0.8661987*	*4.5206095*	*1.1705343*	
Conc SD	*0.0000304[mg/l]*	*0.0001007[mg/l]*	*0.0931686[mg/l]*	*0.0075967[mg/l]*	*0.0000278[mg/l]*	*0.0421637[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	504506-014	Client ID:	AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-DUP-WF
Seqnum:	484112848094	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	335543	Time:	18-MAR-2024 15:22
Cal:	484112848001	Caldate:	18-MAR-2024		
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	0.4404	22	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1661850	1579660	-4.95

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 504506-014,335543			Sample Type: Unknown Sample
Measure Date: 2024-03-18 15:22:13	Recalculation Date:	State: Measured	Quality:

	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	64830.40000	858672	6967.760000	17610.30000	18461.80000	7599940	23395.80000
Int RSD	*0.7118667*	*0.6556939*	*0.4157721*	*0.3083599*	*0.4764801*	*0.2862062*	*0.8952120*
Int SD	*461.5060000*	*5630.260000*	*28.9700000*	*54.3031000*	*87.9668000*	*21751.50000*	*209.4420000*
RelInt Mean	0.0000085	0.0290696	-0.0002299	0.0025461	0.0039542	0.2835910	0.0075426
RelInt RSD	*64.7488839*	*1.0797156*	*11.0922052*	*3.2183867*	*1.4891406*	*0.6812346*	*2.2389199*
RelInt SD	*0.0000055*	*0.0003139*	*0.0000255*	*0.0000819*	*0.0000589*	*0.0019319*	*0.0001689*
Conc Mean	<-0.0011429[mg/l]	2.1671700[mg/l]	<-0.0098463[mg/l]	0.0183393[mg/l]	0.0105301[mg/l]	11.1505000[mg/l]	0.0375765[mg/l]
Conc RSD	*18.3600490*	*1.0802983*	*13.0129216*	*4.8527316*	*1.5027018*	*0.6898058*	*2.2387663*
Conc SD	*0.0002098[mg/l]*	*0.0234119[mg/l]*	*0.0012813[mg/l]*	*0.0008900[mg/l]*	*0.0001582[mg/l]*	*0.0769168[mg/l]*	*0.0008412[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	30483.80000	529795	62755800	306522	417721	2379210	8222.470000
Int RSD	*0.2777183*	*2.6372087*	*0.7790563*	*0.0696541*	*0.6217882*	*0.7080922*	*0.0728571*
Int SD	*84.6591000*	*13971.80000*	*488903*	*213.5050000*	*2597.340000*	*16847.00000*	*5.9906500*
RelInt Mean	0.0114228	0.0161430	40.0618000	0.0110442	0.0131145	1.5094100	0.0001734
RelInt RSD	*1.3052404*	*2.7894505*	*0.7291235*	*0.7651374*	*0.9450456*	*0.4140571*	*11.0105647*
RelInt SD	*0.0001491*	*0.0004503*	*0.2921000*	*0.0000845*	*0.0001239*	*0.0062498*	*0.0000191*
Conc Mean	0.0699816[mg/l]	0.5193690[mg/l]	>132.6800000[mg/l]	2.5893300[mg/l]	4.1115600[mg/l]	0.9678340[mg/l]	0.0013069[mg/l]
Conc RSD	*1.2999246*	*2.8091203*	*0.7289335*	*0.7707283*	*0.9802289*	*0.4140472*	*11.5368959*
Conc SD	*0.0009097[mg/l]*	*0.0145897[mg/l]*	*0.9671490[mg/l]*	*0.0199567[mg/l]*	*0.0403027[mg/l]*	*0.0040073[mg/l]*	*0.0001508[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	3336070	32206.20000	32554.00000	8685.160000	7199.470000	10976.40000	626426
Int RSD	*0.3162973*	*0.2166325*	*0.4090219*	*0.9464477*	*0.3413098*	*0.5989760*	*0.9401398*
Int SD	*10551.90000*	*69.7691000*	*133.1530000*	*82.2005000*	*24.5725000*	*65.7460000*	*5889.280000*
RelInt Mean	0.1235680	0.0126059	0.0138411	0.0002337	0.0001273	0.0014891	0.0212946
RelInt RSD	*0.4977389*	*1.2791867*	*1.6305207*	*9.9869940*	*25.0895579*	*3.9120464*	*1.2607516*
RelInt SD	*0.0006150*	*0.0001613*	*0.0002257*	*0.0000233*	*0.0000319*	*0.0000583*	*0.0002685*
Conc Mean	4.3180300[mg/l]	0.0944416[mg/l]	0.4403700[mg/l]	0.0107634[mg/l]	0.0103814[mg/l]	0.0270727[mg/l]	0.1049780[mg/l]
Conc RSD	*0.5002652*	*1.2809292*	*1.6426982*	*10.3842652*	*21.0245246*	*4.0389027*	*1.3546362*
Conc SD	*0.0216016[mg/l]*	*0.0012097[mg/l]*	*0.0072339[mg/l]*	*0.0011177[mg/l]*	*0.0021826[mg/l]*	*0.0010934[mg/l]*	*0.0014221[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	757846	7028.490000	20035.10000	1579660	29054200	26713400	1215720
Int RSD	*2.4978294*	*0.2949382*	*0.3494936*	*1.0713824*	*0.4614101*	*0.7672666*	*0.7270029*
Int SD	*18929.70000*	*20.7297000*	*70.0214000*	*16924.20000*	*134059*	*204963*	*8838.320000*
RelInt Mean	0.0236582	-0.0004475	0.0001146	---	---	---	0.7712480
RelInt RSD	*2.9632178*	*5.2879785*	*7.9364946*	---	---	---	*0.4479454*
RelInt SD	*0.0007010*	*0.0000237*	*0.0000091*	---	---	---	*0.0034548*
Conc Mean	0.2101660[mg/l]	<-0.0259623[mg/l]	0.0108554[mg/l]	1566050	28961100	26638700	2.3411400[mg/l]
Conc RSD	*2.9619919*	*5.8124280*	*13.2998323*	---	---	---	*0.4481791*
Conc SD	*0.0062251[mg/l]*	*0.0015090[mg/l]*	*0.0014437[mg/l]*	*16929.20000*	*133645*	*205324*	*0.0104925[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	37588.90000	73606.70000	557157	63603.40000	11940.60000	69148.20000	
Int RSD	*1.6440678*	*1.3703236*	*1.2742943*	*0.8746419*	*0.4398179*	*0.8226216*	
Int SD	*617.9870000*	*1008.650000*	*7099.820000*	*556.3020000*	*52.5169000*	*568.8280000*	
RelInt Mean	-0.0004486	0.0015024	0.3462350	0.0365988	-0.0004034	0.0401001	
RelInt RSD	*3.2565901*	*2.0419853*	*0.6242350*	*1.1969081*	*7.3123169*	*1.3155054*	
RelInt SD	*0.0000146*	*0.0000307*	*0.0021613*	*0.0004381*	*0.0000295*	*0.0005275*	
Conc Mean	<0.0000368[mg/l]	0.0026942[mg/l]	5.3419300[mg/l]	1.0907800[mg/l]	<-0.0014600[mg/l]	3.9208800[mg/l]	
Conc RSD	*100.5768907*	*2.4500230*	*0.6255997*	*1.2046884*	*7.0556929*	*1.3103614*	
Conc SD	*0.0000370[mg/l]*	*0.0000660[mg/l]*	*0.0334191[mg/l]*	*0.0131405[mg/l]*	*0.0001030[mg/l]*	*0.0513777[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	504506-016	Client ID:	AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-L-LA
Seqnum:	484112848095	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	335543	Time:	18-MAR-2024 15:25
Cal:	484112848001	Caldate:	18-MAR-2024		
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	0.9634	48	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1661850	1592070	-4.20

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 504506-016,335543	Sample Type: Unknown Sample		
Measure Date: 2024-03-18 15:25:30	Recalculation Date:	State: Measured	Quality:

	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	65055.80000	1273830	8112.770000	17241.80000	18704.20000	6525900	17907.40000
Int RSD	*0.5483293*	*0.8974196*	*0.3856389*	*0.7753889*	*0.4836112*	*0.9185676*	*0.8135017*
Int SD	*356.7200000*	*11431.60000*	*31.2860000*	*133.6910000*	*90.4556000*	*59944.80000*	*145.6770000*
RelInt Mean	0.0000129	0.0446817	0.0005025	0.0025132	0.0041360	0.2428800	0.0040359
RelInt RSD	*46.0516891*	*0.8384193*	*8.3288992*	*3.5519696*	*1.9656601*	*0.8263793*	*2.0492206*
RelInt SD	*0.0000059*	*0.0003746*	*0.0000419*	*0.0000893*	*0.0000813*	*0.0020071*	*0.0000827*
Conc Mean	<-0.0009780[mg/l]	3.3318100[mg/l]	0.0269776[mg/l]	0.0179822[mg/l]	0.0110243[mg/l]	9.5297600[mg/l]	0.0198392[mg/l]
Conc RSD	*23.0254911*	*0.8387783*	*7.7950225*	*5.3914927*	*1.9954827*	*0.8384786*	*2.1273388*
Conc SD	*0.0002252[mg/l]*	*0.0279465[mg/l]*	*0.0021029[mg/l]*	*0.0009695[mg/l]*	*0.0002200[mg/l]*	*0.0799050[mg/l]*	*0.0004220[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	24920.60000	552405	48059700	214761	452886	1561350	7894.460000
Int RSD	*0.4881504*	*1.8269929*	*1.2960922*	*0.6191394*	*1.1500753*	*0.2269152*	*0.4180337*
Int SD	*121.6500000*	*10092.40000*	*622898*	*1329.670000*	*5208.530000*	*3542.940000*	*33.0015000*
RelInt Mean	0.0080319	0.0165714	30.4328000	0.0075967	0.0144187	0.9795850	0.0000387
RelInt RSD	*1.0651344*	*1.6949564*	*1.5462002*	*0.6797688*	*1.5230083*	*0.3077946*	*145.4168432*
RelInt SD	*0.0000856*	*0.0002809*	*0.4705520*	*0.0000516*	*0.0002196*	*0.0030151*	*0.0000563*
Conc Mean	0.0492906[mg/l]	0.5332490[mg/l]	>100.7900000[mg/l]	1.7750600[mg/l]	4.5356300[mg/l]	0.6279530[mg/l]	<0.0002431[mg/l]
Conc RSD	*1.0590559*	*1.7066849*	*1.5460462*	*0.6872444*	*1.5744847*	*0.3079880*	*182.7880214*
Conc SD	*0.0005220[mg/l]*	*0.0091009[mg/l]*	*1.5582600[mg/l]*	*0.0121990[mg/l]*	*0.0714128[mg/l]*	*0.0019340[mg/l]*	*0.0004444[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	3088610	56619.60000	58487.40000	9060.480000	7184.520000	14168.50000	557701
Int RSD	*0.6732057*	*0.3342835*	*0.4844086*	*0.8787912*	*0.5073631*	*0.2550256*	*1.0339895*
Int SD	*20792.70000*	*189.2700000*	*283.3180000*	*79.6227000*	*36.4516000*	*36.1333000*	*5766.570000*
RelInt Mean	0.1141040	0.0280103	0.0301133	0.0004761	0.0001859	0.0034630	0.0187078
RelInt RSD	*0.6429407*	*0.4255542*	*0.8696490*	*14.4144320*	*13.6313961*	*0.9307564*	*1.2599878*
RelInt SD	*0.0007336*	*0.0001192*	*0.0002619*	*0.0000686*	*0.0000253*	*0.0000322*	*0.0002357*
Conc Mean	3.9857300[mg/l]	0.2099940[mg/l]	0.9634140[mg/l]	0.0224352[mg/l]	0.0143891[mg/l]	0.0641222[mg/l]	0.0912780[mg/l]
Conc RSD	*0.6462706*	*0.4258936*	*0.8628824*	*14.5673317*	*12.0379315*	*0.9433582*	*1.3676790*
Conc SD	*0.0257586[mg/l]*	*0.0008944[mg/l]*	*0.0083131[mg/l]*	*0.0032682[mg/l]*	*0.0017322[mg/l]*	*0.0006049[mg/l]*	*0.0012484[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	924136	7008.970000	20082.70000	1592070	29680700	26761200	1054910
Int RSD	*5.5389899*	*0.1719739*	*1.5168030*	*0.2438385*	*0.8686588*	*0.2583965*	*0.3552076*
Int SD	*51187.80000*	*12.0536000*	*304.6150000*	*3882.080000*	*257824*	*69150.00000*	*3747.120000*
RelInt Mean	0.0288606	-0.0004438	0.0001203	---	---	---	0.6631620
RelInt RSD	*5.4833926*	*2.9312695*	*4.9753381*	---	---	---	*0.4306233*
RelInt SD	*0.0015825*	*0.0000130*	*0.0000060*	---	---	---	*0.0028557*
Conc Mean	0.2563620[mg/l]	<-0.0258467[mg/l]	0.0117663[mg/l]	1578650	29587900	26685100	2.0127400[mg/l]
Conc RSD	*5.4814286*	*3.2222024*	*8.0749004*	---	---	---	*0.4312246*
Conc SD	*0.0140523[mg/l]*	*0.0008328[mg/l]*	*0.0009501[mg/l]*	*3951.420000*	*257970*	*68366.00000*	*0.0086794[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	37816.80000	86339.60000	751670	62422.90000	11938.00000	56890.80000	
Int RSD	*2.2800369*	*1.0027531*	*2.2350500*	*0.4170184*	*0.2315178*	*0.3672562*	
Int SD	*862.2370000*	*865.7730000*	*16800.20000*	*260.3150000*	*27.6386000*	*208.9350000*	
RelInt Mean	-0.0004410	0.0019699	0.4667020	0.0355533	-0.0001478	0.0320301	
RelInt RSD	*1.7395591*	*1.5667024*	*2.5259373*	*0.6625152*	*40.5322893*	*0.1779261*	
RelInt SD	*0.0000077*	*0.0000309*	*0.0117886*	*0.0002355*	*0.0000599*	*0.0000570*	
Conc Mean	<0.0000560[mg/l]	0.0036999[mg/l]	7.2042200[mg/l]	1.0594100[mg/l]	<-0.0007411[mg/l]	3.1348300[mg/l]	
Conc RSD	*34.7580485*	*1.7945004*	*2.5296701*	*0.6672091*	*27.2032233*	*0.1771477*	
Conc SD	*0.0000195[mg/l]*	*0.0000664[mg/l]*	*0.1822430[mg/l]*	*0.0070685[mg/l]*	*0.0002016[mg/l]*	*0.0055533[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	504506-018	Client ID:	AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-L-LA
Seqnum:	484112848098	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	335543	Time:	18-MAR-2024 15:35
Cal:	484112848001	Caldate:	18-MAR-2024		
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	1.064	53	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1661850	1586240	-4.55

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 504506-018,335543			Sample Type: Unknown Sample
Measure Date: 2024-03-18 15:35:22	Recalculation Date:	State: Measured	Quality:

	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	65085.80000	878129	8095.000000	17394.90000	19572.80000	7167920	19995.20000
Int RSD	*0.2176266*	*0.6497200*	*0.5363755*	*0.4084007*	*1.2046769*	*0.8376028*	*0.5687165*
Int SD	*141.6440000*	*5705.380000*	*43.4196000*	*71.0409000*	*235.7890000*	*60038.70000*	*113.7160000*
RelInt Mean	0.0000081	0.0298602	0.0007413	0.0023102	0.0045893	0.2676310	0.0053357
RelInt RSD	*98.2134326*	*1.0820624*	*4.5784030*	*0.9416460*	*3.4614429*	*1.1783089*	*1.9552595*
RelInt SD	*0.0000079*	*0.0003231*	*0.0000339*	*0.0000218*	*0.0001589*	*0.0031535*	*0.0001043*
Conc Mean	<-0.0011607[mg/l]	2.2261500[mg/l]	0.0389304[mg/l]	0.0157776[mg/l]	0.0122286[mg/l]	10.5151000[mg/l]	0.0265180[mg/l]
Conc RSD	*25.9126075*	*1.0827078*	*4.3791741*	*1.4976232*	*3.5121028*	*1.1939592*	*2.0379478*
Conc SD	*0.0003008[mg/l]*	*0.0241027[mg/l]*	*0.0017048[mg/l]*	*0.0002363[mg/l]*	*0.0004295[mg/l]*	*0.1255460[mg/l]*	*0.0005404[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	38712.90000	544040	67879200	224748	393386	1916540	8893.730000
Int RSD	*1.8158082*	*2.3160246*	*0.4419940*	*0.8696140*	*0.3314302*	*0.9776107*	*2.7248860*
Int SD	*702.9520000*	*12600.10000*	*300022*	*1954.440000*	*1303.800000*	*18736.30000*	*242.3440000*
RelInt Mean	0.0165510	0.0166373	43.1538000	0.0079901	0.0121903	1.2087900	0.0006617
RelInt RSD	*3.1598514*	*2.7112031*	*0.7428291*	*1.3912324*	*0.6309976*	*1.3596903*	*25.0595443*
RelInt SD	*0.0005230*	*0.0004511*	*0.3205590*	*0.0001112*	*0.0000769*	*0.0164358*	*0.0001658*
Conc Mean	0.1012730[mg/l]	0.5353860[mg/l]	>142.9210000[mg/l]	1.8679800[mg/l]	3.8110600[mg/l]	0.7749900[mg/l]	0.0051629[mg/l]
Conc RSD	*3.1513928*	*2.7294326*	*0.7429559*	*1.4054968*	*0.6560511*	*1.3601724*	*25.3628283*
Conc SD	*0.0031915[mg/l]*	*0.0146130[mg/l]*	*1.0618400[mg/l]*	*0.0262544[mg/l]*	*0.0250025[mg/l]*	*0.0105412[mg/l]*	*0.0013095[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	2384760	202307	63310.50000	9935.750000	6941.380000	15418.80000	577236
Int RSD	*0.2132999*	*0.7064610*	*0.5758918*	*0.5809949*	*0.4111891*	*0.7030638*	*0.3622903*
Int SD	*5086.690000*	*1429.220000*	*364.6000000*	*57.7262000*	*28.5422000*	*108.4040000*	*2091.270000*
RelInt Mean	0.0880389	0.1206180	0.0333117	0.0010886	0.0001123	0.0047809	0.0194443
RelInt RSD	*0.3229175*	*1.2955695*	*0.1692249*	*4.2148552*	*34.8876049*	*2.0458761*	*0.8875917*
RelInt SD	*0.0002843*	*0.0015627*	*0.0000564*	*0.0000459*	*0.0000392*	*0.0000978*	*0.0001726*
Conc Mean	3.0706300[mg/l]	0.9046660[mg/l]	1.0641000[mg/l]	0.0513163[mg/l]	0.0093587[mg/l]	0.0888595[mg/l]	0.0951785[mg/l]
Conc RSD	*0.3250769*	*1.2958595*	*0.1663415*	*4.2780559*	*28.6176042*	*2.0660143*	*0.9601969*
Conc SD	*0.0099819[mg/l]*	*0.0117232[mg/l]*	*0.0017700[mg/l]*	*0.0021953[mg/l]*	*0.0026782[mg/l]*	*0.0018359[mg/l]*	*0.0009139[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	652680	6702.120000	19483.90000	1586240	29051700	26686700	970940
Int RSD	*5.0879604*	*0.2566472*	*0.6422893*	*0.6523225*	*1.0088084*	*0.5204990*	*0.3267050*
Int SD	*33208.10000*	*17.2008000*	*125.1430000*	*10347.40000*	*293076*	*138904*	*3172.110000*
RelInt Mean	0.0200766	-0.0003529	0.0000922	---	---	---	0.6124180
RelInt RSD	*6.6131217*	*5.4681634*	*5.2140933*	---	---	---	*0.4769455*
RelInt SD	*0.0013277*	*0.0000193*	*0.0000048*	---	---	---	*0.0029209*
Conc Mean	0.1783640[mg/l]	<-0.0199157[mg/l]	0.0073086[mg/l]	1572540	28958500	26611100	1.8585300[mg/l]
Conc RSD	*6.6098540*	*6.1270756*	*10.4457495*	---	---	---	*0.4774655*
Conc SD	*0.0117896[mg/l]*	*0.0012203[mg/l]*	*0.0007634[mg/l]*	*10324.90000*	*292968*	*139262*	*0.0088738[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	37657.80000	72356.20000	523688	51258.10000	12069.70000	59357.30000	
Int RSD	*0.7594230*	*0.7638986*	*0.4991273*	*0.8614541*	*0.4930926*	*0.8302921*	
Int SD	*285.9820000*	*552.7280000*	*2613.870000*	*441.5650000*	*59.5148000*	*492.8390000*	
RelInt Mean	-0.0004630	0.0014482	0.3234930	0.0288796	-0.0004465	0.0338668	
RelInt RSD	*3.4450636*	*1.2502952*	*0.7210048*	*0.4176962*	*3.9768602*	*0.2562911*	
RelInt SD	*0.0000160*	*0.0000181*	*0.0023324*	*0.0001206*	*0.0000178*	*0.0000868*	
Conc Mean	<0.0000002[mg/l]	0.0025775[mg/l]	4.9902900[mg/l]	0.8591330[mg/l]	<-0.0017813[mg/l]	3.3137300[mg/l]	
Conc RSD	*18537.15982*	*1.5115189*	*0.7220081*	*0.4213818*	*3.2006849*	*0.2552788*	
Conc SD	*0.0000405[mg/l]*	*0.0000390[mg/l]*	*0.0360303[mg/l]*	*0.0036202[mg/l]*	*0.0000570[mg/l]*	*0.0084592[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	504506-020	Client ID:	AFRAME-C14W-MED-L2-HS-1-240315-L-G
Seqnum:	484112848099	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	335543	Time:	18-MAR-2024 15:38
Cal:	484112848001	Caldate:	18-MAR-2024		
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	0.7788	39	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1661850	1610550	-3.09

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 504506-020,335543 | Sample Type: Unknown Sample

Measure Date: 2024-03-18 15:38:39 | Recalculation Date: | State: Measured | Quality:

	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	65698.70000	1888290	6604.250000	15601.50000	21754.80000	7937670	16280.40000
Int RSD	*0.2874273*	*0.4543619*	*0.4909778*	*0.2802243*	*0.3116526*	*1.2156174*	*1.7811295*
Int SD	*188.8360000*	*8579.670000*	*32.4254000*	*43.7192000*	*67.7994000*	*96491.70000*	*289.9750000*
RelInt Mean	0.0000236	0.0671815	-0.0001602	0.0017522	0.0061349	0.2945240	0.0030877
RelInt RSD	*27.0308098*	*0.9772943*	*17.9235590*	*4.1258468*	*1.5778311*	*1.7232653*	*7.1210517*
RelInt SD	*0.0000064*	*0.0006566*	*0.0000287*	*0.0000723*	*0.0000968*	*0.0050754*	*0.0002199*
Conc Mean	<-0.0005708[mg/l]	5.0102700[mg/l]	<-0.0063111[mg/l]	0.0097173[mg/l]	0.0164152[mg/l]	11.5857000[mg/l]	0.0148893[mg/l]
Conc RSD	*42.4371956*	*0.9776599*	*22.8748487*	*8.0795302*	*1.5891917*	*1.7440206*	*7.5959246*
Conc SD	*0.0002422[mg/l]*	*0.0489834[mg/l]*	*0.0014437[mg/l]*	*0.0007851[mg/l]*	*0.0002609[mg/l]*	*0.2020570[mg/l]*	*0.0011310[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	20559.70000	153654	31930800	188099	563370	1542880	7497.090000
Int RSD	*1.4672150*	*1.5940815*	*1.0681536*	*1.1260613*	*1.3937750*	*0.5044138*	*0.6708309*
Int SD	*301.6550000*	*2449.370000*	*341070*	*2118.110000*	*7852.110000*	*7782.500000*	*50.2928000*
RelInt Mean	0.0054271	0.0031249	19.9774000	0.0065710	0.0185393	0.9568860	0.0000003
RelInt RSD	*3.1806431*	*4.0721564*	*1.2963449*	*1.0708977*	*1.5692016*	*0.7371641*	*7532.980513*
RelInt SD	*0.0001726*	*0.0001273*	*0.2589760*	*0.0000704*	*0.0002909*	*0.0070538*	*0.0000215*
Conc Mean	0.0333968[mg/l]	0.0975960[mg/l]	66.1628000[mg/l]	1.5328000[mg/l]	5.8754700[mg/l]	0.6133920[mg/l]	<-0.0000602[mg/l]
Conc RSD	*3.1537752*	*4.2241280*	*1.2964596*	*1.0842771*	*1.6100993*	*0.7376995*	*281.7979871*
Conc SD	*0.0010533[mg/l]*	*0.0041226[mg/l]*	*0.8577740[mg/l]*	*0.0166198[mg/l]*	*0.0946009[mg/l]*	*0.0045250[mg/l]*	*0.0001697[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	2357290	21032.20000	49673.40000	8502.160000	6745.710000	9834.590000	637981
Int RSD	*0.6970462*	*0.0275234*	*0.0088906*	*0.2159781*	*0.3396633*	*0.2593347*	*0.8886832*
Int SD	*16431.40000*	*5.7887800*	*4.4162600*	*18.3628000*	*22.9127000*	*25.5045000*	*5669.630000*
RelInt Mean	0.0864054	0.0055225	0.0243138	0.0002117	0.0000738	0.0011970	0.0216577
RelInt RSD	*1.1504987*	*0.1897742*	*0.3202720*	*18.9028848*	*43.5558290*	*1.2599001*	*1.1354530*
RelInt SD	*0.0009941*	*0.0000105*	*0.0000779*	*0.0000400*	*0.0000321*	*0.0000151*	*0.0002459*
Conc Mean	3.0132800[mg/l]	0.0413071[mg/l]	0.7787890[mg/l]	0.0099292[mg/l]	0.0067255[mg/l]	0.0215896[mg/l]	0.1069010[mg/l]
Conc RSD	*1.1583258*	*0.1902600*	*0.3139592*	*19.1843871*	*32.6629475*	*1.3112332*	*1.2179306*
Conc SD	*0.0349036[mg/l]*	*0.0000786[mg/l]*	*0.0024451[mg/l]*	*0.0019049[mg/l]*	*0.0021967[mg/l]*	*0.0002831[mg/l]*	*0.0013020[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	1259970	6659.820000	21440.50000	1610550	29557300	26874600	1269820
Int RSD	*5.1055422*	*0.2441327*	*1.2234043*	*0.2220838*	*1.4974541*	*0.5061024*	*0.4484108*
Int SD	*64328.30000*	*16.2588000*	*262.3040000*	*3576.770000*	*442607*	*136013*	*5694.010000*
RelInt Mean	0.0403444	-0.0003331	0.0001694	---	---	---	0.7898540
RelInt RSD	*5.3026938*	*1.5605078*	*4.5126063*	---	---	---	*0.6585761*
RelInt SD	*0.0021393*	*0.0000052*	*0.0000076*	---	---	---	*0.0052018*
Conc Mean	0.3583340[mg/l]	<-0.0191029[mg/l]	0.0195606[mg/l]	1597550	29464200	26799700	2.3976900[mg/l]
Conc RSD	*5.3013669*	*1.9351198*	*6.2044109*	---	---	---	*0.6591970*
Conc SD	*0.0189966[mg/l]*	*0.0003697[mg/l]*	*0.0012136[mg/l]*	*3612.100000*	*442065*	*136195*	*0.0158055[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	37830.50000	99933.20000	908124	46966.00000	11722.10000	51705.40000	
Int RSD	*1.3838464*	*0.8869875*	*1.0199774*	*0.7530448*	*0.7897399*	*0.6445265*	
Int SD	*523.5160000*	*886.3950000*	*9262.660000*	*353.6750000*	*92.5741000*	*333.2550000*	
RelInt Mean	-0.0004467	0.0024645	0.5590430	0.0257695	-0.0000280	0.0285628	
RelInt RSD	*3.6511703*	*1.2494654*	*1.2538749*	*0.6383166*	*448.6905723*	*0.6390970*	
RelInt SD	*0.0000163*	*0.0000308*	*0.0070097*	*0.0001645*	*0.0001257*	*0.0001825*	
Conc Mean	<0.0000415[mg/l]	0.0047641[mg/l]	8.6316900[mg/l]	0.7658010[mg/l]	<-0.0002204[mg/l]	2.7971100[mg/l]	
Conc RSD	*99.7713635*	*1.3906706*	*1.2553741*	*0.6446205*	*189.4091922*	*0.6358563*	
Conc SD	*0.0000414[mg/l]*	*0.0000663[mg/l]*	*0.1083600[mg/l]*	*0.0049365[mg/l]*	*0.0004175[mg/l]*	*0.0177856[mg/l]*	

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET06	Lab ID:	504506-022	Client ID:	AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-L-I
Seqnum:	484112848100	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	met06_master011	Batch:	335543	Time:	18-MAR-2024 15:41
Cal:	484112848001	Caldate:	18-MAR-2024		
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	1.936	97	0.50		u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	1661850	1615290	-2.80

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: 504506-022,335543			Sample Type: Unknown Sample
Measure Date: 2024-03-18 15:41:57	Recalculation Date:	State: Measured	Quality:

	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	65647.40000	860296	6539.240000	15777.30000	19495.20000	7360300	17486.30000
Int RSD	*0.2080235*	*0.9635625*	*0.5781773*	*1.3783981*	*0.5145420*	*0.8149559*	*0.5536998*
Int SD	*136.5620000*	*8289.490000*	*37.8084000*	*217.4740000*	*100.3110000*	*59983.20000*	*96.8216000*
RelInt Mean	0.0000269	0.0291594	-0.0001811	0.0018037	0.0047449	0.2749290	0.0038508
RelInt RSD	*2.4234961*	*0.6244710*	*6.8408291*	*5.5099409*	*3.0216002*	*1.7298393*	*2.9280302*
RelInt SD	*0.0000007*	*0.0001821*	*0.0000124*	*0.0000994*	*0.0001434*	*0.0047558*	*0.0001128*
Conc Mean	<-0.0004483[mg/l]	2.1738700[mg/l]	<-0.0073805[mg/l]	0.0102761[mg/l]	0.0126637[mg/l]	10.8057000[mg/l]	0.0190271[mg/l]
Conc RSD	*5.5077834*	*0.6248350*	*8.4273046*	*10.5039850*	*3.0445446*	*1.7522419*	*2.8821155*
Conc SD	*0.0000247[mg/l]*	*0.0135831[mg/l]*	*0.0006220[mg/l]*	*0.0010794[mg/l]*	*0.0003856[mg/l]*	*0.1893420[mg/l]*	*0.0005484[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	26999.00000	243336	37601200	204232	384737	1667270	7685.040000
Int RSD	*0.8336975*	*2.2642231*	*0.1455674*	*0.2605101*	*0.7394194*	*0.7647652*	*0.7569382*
Int SD	*225.0900000*	*5509.670000*	*54735.10000*	*532.0450000*	*2844.820000*	*12750.70000*	*58.1710000*
RelInt Mean	0.0093935	0.0061486	23.4613000	0.0072131	0.0119314	1.0318000	0.0001190
RelInt RSD	*2.1972308*	*3.6918708*	*1.4957313*	*1.0593517*	*1.3914964*	*1.3580345*	*30.3954807*
RelInt SD	*0.0002064*	*0.0002270*	*0.3509180*	*0.0000764*	*0.0001660*	*0.0140122*	*0.0000362*
Conc Mean	0.0575988[mg/l]	0.1955620[mg/l]	77.7012000[mg/l]	1.6844500[mg/l]	3.7268800[mg/l]	0.6614450[mg/l]	0.0008776[mg/l]
Conc RSD	*2.1864344*	*3.7606999*	*1.4956140*	*1.0711805*	*1.4482919*	*1.3590367*	*32.5597242*
Conc SD	*0.0012594[mg/l]*	*0.0073545[mg/l]*	*1.1621100[mg/l]*	*0.0180435[mg/l]*	*0.0539761[mg/l]*	*0.0089893[mg/l]*	*0.0002857[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	2411010	25078.40000	107629	8349.740000	6759.890000	10593.20000	594470
Int RSD	*0.7312661*	*0.6316910*	*0.5911938*	*0.4642264*	*0.4549009*	*0.7530708*	*0.5134590*
Int SD	*17630.90000*	*158.4180000*	*636.2960000*	*38.7617000*	*30.7508000*	*79.7743000*	*3052.360000*
RelInt Mean	0.0890240	0.0080809	0.0604003	0.0001256	0.0001308	0.0016640	0.0201409
RelInt RSD	*1.7760379*	*1.2946039*	*1.3293858*	*37.8460583*	*49.8622598*	*1.6076874*	*0.8357770*
RelInt SD	*0.0015811*	*0.0001046*	*0.0008030*	*0.0000475*	*0.0000652*	*0.0000268*	*0.0001683*
Conc Mean	3.1052200[mg/l]	0.0604979[mg/l]	1.9359800[mg/l]	0.0056828[mg/l]	0.0106229[mg/l]	0.0303563[mg/l]	0.0988679[mg/l]
Conc RSD	*1.7876286*	*1.2971029*	*1.3269765*	*39.9359471*	*41.9673535*	*1.6541673*	*0.9016819*
Conc SD	*0.0555098[mg/l]*	*0.0007847[mg/l]*	*0.0256900[mg/l]*	*0.0022695[mg/l]*	*0.0044581[mg/l]*	*0.0005021[mg/l]*	*0.0008915[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	690533	6592.850000	19540.00000	1615290	29658100	26685600	2996320
Int RSD	*6.4059936*	*0.6365214*	*0.3373086*	*1.3462474*	*0.8797158*	*1.0363267*	*1.0275404*
Int SD	*44235.50000*	*41.9649000*	*65.9101000*	*21745.80000*	*260907*	*276550*	*30788.40000*
RelInt Mean	0.0209787	-0.0003487	0.0000987	---	---	---	1.8651400
RelInt RSD	*6.3494401*	*7.0717584*	*2.3623357*	---	---	---	*0.3294820*
RelInt SD	*0.0013320*	*0.0000247*	*0.0000023*	---	---	---	*0.0061453*
Conc Mean	0.1863740[mg/l]	<-0.0196544[mg/l]	0.0083324[mg/l]	1602180	29565300	26610500	5.6648700[mg/l]
Conc RSD	*6.3464861*	*7.7968801*	*4.4405067*	---	---	---	*0.3295221*
Conc SD	*0.0118282[mg/l]*	*0.0015324[mg/l]*	*0.0003700[mg/l]*	*21674.00000*	*260648*	*277132*	*0.0186670[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	37830.30000	74008.90000	493011	42902.50000	11772.50000	65704.30000	
Int RSD	*1.6581788*	*0.8391477*	*1.4386454*	*1.0537894*	*1.0527246*	*0.2799741*	
Int SD	*627.2940000*	*621.0440000*	*7092.680000*	*452.1020000*	*123.9320000*	*183.9550000*	
RelInt Mean	-0.0004521	0.0014945	0.2988960	0.0231663	-0.0000464	0.0372541	
RelInt RSD	*3.1194006*	*1.4773238*	*1.7068445*	*2.1828043*	*145.5169305*	*1.6858225*	
RelInt SD	*0.0000141*	*0.0000221*	*0.0051017*	*0.0005057*	*0.0000675*	*0.0006280*	
Conc Mean	<0.0000279[mg/l]	0.0026772[mg/l]	4.6101400[mg/l]	0.6876800[mg/l]	<-0.0002778[mg/l]	3.6436700[mg/l]	
Conc RSD	*127.9886199*	*1.7744900*	*1.7106465*	*2.2066368*	*80.2714085*	*1.6790242*	
Conc SD	*0.0000358[mg/l]*	*0.0000475[mg/l]*	*0.0788632[mg/l]*	*0.0151746[mg/l]*	*0.0002230[mg/l]*	*0.0611781[mg/l]*	

ENTHALPY BLANK USER REPORT FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06	Lab ID:	QC1136966		
Seqnum:	484112848074.3	Matrix:	Wipe		
File:	met06_master011	Batch:	335543	Time:	18-MAR-2024 14:16
Cal:	484112848001	Caldate:	18-MAR-2024		
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	-0.00001860	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	1661850	1654260	-0.46

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BLANK,QC1136966,335543			Sample Type: Unknown Sample
Measure Date: 2024-03-18 14:16:17	Recalculation Date:	State: Measured	Quality:

	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	66239.00000	64169.70000	4957.500000	13714.90000	11490.40000	260292	11007.10000
Int RSD	*0.4884041*	*1.1265254*	*0.9019062*	*0.1636920*	*1.3041496*	*0.8412514*	*1.0391565*
Int SD	*323.5140000*	*722.8880000*	*44.7120000*	*22.4502000*	*149.8520000*	*2189.710000*	*114.3810000*
RelInt Mean	0.0000376	0.0000915	-0.0001155	0.0010787	0.0000091	0.0079023	-0.0000128
RelInt RSD	*27.1758503*	*7.6870075*	*11.9630245*	*1.0496695*	*725.0178296*	*1.5162168*	*255.0573165*
RelInt SD	*0.0000102*	*0.0000070*	*0.0000138*	*0.0000113*	*0.0000658*	*0.0001198*	*0.0000328*
Conc Mean	<-0.0000420[mg/l]	0.0054383[mg/l]	<-0.0040370[mg/l]	0.0024030[mg/l]	<-0.0001098[mg/l]	0.1750980[mg/l]	<-0.0001110[mg/l]
Conc RSD	*921.6087123*	*9.6443558*	*17.2089452*	*5.1176050*	*161.9889644*	*2.7242116*	*148.7685794*
Conc SD	*0.0003872[mg/l]*	*0.0005245[mg/l]*	*0.0006947[mg/l]*	*0.0001230[mg/l]*	*0.0001779[mg/l]*	*0.0047700[mg/l]*	*0.0001651[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	11347.30000	64918.10000	21367.00000	16429.30000	78334.50000	14949.40000	6830.850000
Int RSD	*0.9883408*	*0.2482297*	*3.2643516*	*1.8742430*	*1.3481033*	*1.3378196*	*1.1720942*
Int SD	*112.1500000*	*161.1460000*	*697.4940000*	*307.9250000*	*1056.030000*	*199.9960000*	*80.0640000*
RelInt Mean	-0.0000596	0.0001186	0.0050234	0.0001573	0.0004703	0.0013917	0.0002525
RelInt RSD	*196.3412465*	*10.4093888*	*7.9115905*	*6.4868766*	*0.7010696*	*10.4674173*	*13.5994106*
RelInt SD	*0.0001170*	*0.0000123*	*0.0003974*	*0.0000102*	*0.0000033*	*0.0001457*	*0.0000343*
Conc Mean	<-0.0000821[mg/l]	<0.0001947[mg/l]	0.0158628[mg/l]	<0.0179320[mg/l]	<0.0002127[mg/l]	0.0004376[mg/l]	0.0019312[mg/l]
Conc RSD	*869.1547140*	*205.3201540*	*8.2977154*	*13.4376534*	*503.9298641*	*21.3531682*	*14.0394474*
Conc SD	*0.0007139[mg/l]*	*0.0003999[mg/l]*	*0.0013162[mg/l]*	*0.0024096[mg/l]*	*0.0010720[mg/l]*	*0.0000935[mg/l]*	*0.0002711[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	79484.40000	11684.60000	10223.30000	7477.180000	5361.210000	6566.630000	65205.40000
Int RSD	*4.2861618*	*0.1023133*	*0.7044418*	*0.7652417*	*0.9074705*	*1.1493049*	*0.8616173*
Int SD	*3406.830000*	*11.9549000*	*72.0172000*	*57.2185000*	*48.6514000*	*75.4706000*	*561.8210000*
RelInt Mean	0.0015412	0.0000432	-0.0001242	0.0000619	-0.0000258	0.0009485	0.0002688
RelInt RSD	*8.0275896*	*27.6791485*	*13.8675608*	*11.3726216*	*120.2460716*	*4.7341398*	*3.6230850*
RelInt SD	*0.0001237*	*0.0000119*	*0.0000172*	*0.0000070*	*0.0000310*	*0.0000449*	*0.0000097*
Conc Mean	0.0338048[mg/l]	<0.0002052[mg/l]	<-0.0000186[mg/l]	0.0029849[mg/l]	<-0.0000816[mg/l]	0.0169265[mg/l]	<-0.0063777[mg/l]
Conc RSD	*12.8490924*	*43.6648217*	*2967.029602*	*11.3396964*	*2598.656961*	*4.9793224*	*0.8087577*
Conc SD	*0.0043436[mg/l]*	*0.0000896[mg/l]*	*0.0005524[mg/l]*	*0.0003385[mg/l]*	*0.0021207[mg/l]*	*0.0008428[mg/l]*	*0.0000516[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	75542.40000	5168.330000	17271.90000	1654260	31104400	28028800	15975.00000
Int RSD	*1.7452318*	*0.7708757*	*0.4841216*	*0.4208021*	*0.4060294*	*0.7574959*	*6.9645696*
Int SD	*1318.390000*	*39.8414000*	*83.6170000*	*6961.160000*	*126293*	*212317*	*1112.590000*
RelInt Mean	0.0001768	-0.0001226	0.0000393	---	---	---	0.0053849
RelInt RSD	*16.0047973*	*29.6625684*	*15.7945141*	---	---	---	*12.9276781*
RelInt SD	*0.0000283*	*0.0000364*	*0.0000062*	---	---	---	*0.0006961*
Conc Mean	0.0016610[mg/l]	<-0.0048946[mg/l]	<-0.0011002[mg/l]	1641670	31010600	27954100	0.0141581[mg/l]
Conc RSD	*15.1238998*	*46.9535939*	*89.5111665*	---	---	---	*14.9387983*
Conc SD	*0.0002512[mg/l]*	*0.0022982[mg/l]*	*0.0009848[mg/l]*	*7032.900000*	*125670*	*211458*	*0.0021151[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	38296.90000	39105.70000	21081.10000	5273.860000	11224.30000	4821.340000	
Int RSD	*1.2312302*	*1.2852065*	*1.3365479*	*2.4465382*	*0.5455432*	*1.4346074*	
Int SD	*471.5230000*	*502.5890000*	*281.7590000*	*129.0270000*	*61.2334000*	*69.1673000*	
RelInt Mean	-0.0004191	0.0001509	0.0052739	0.0007140	0.0001497	0.0000274	
RelInt RSD	*2.0336749*	*9.8658714*	*2.8734767*	*9.2571355*	*18.7092399*	*131.9360870*	
RelInt SD	*0.0000085*	*0.0000149*	*0.0001515*	*0.0000661*	*0.0000280*	*0.0000362*	
Conc Mean	<0.0001115[mg/l]	<-0.0002135[mg/l]	0.0711089[mg/l]	0.0138973[mg/l]	<0.0003642[mg/l]	0.0176759[mg/l]	
Conc RSD	*19.3792695*	*15.0027168*	*3.3018933*	*14.2719089*	*25.2403678*	*19.9478386*	
Conc SD	*0.0000216[mg/l]*	*0.0000320[mg/l]*	*0.0023479[mg/l]*	*0.0019834[mg/l]*	*0.0000919[mg/l]*	*0.0035260[mg/l]*	

ENTHALPY SPIKE USER REPORT FOR 504506 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET06	Inst:	MET06
Seqnum:	484112848075.3	Seqnum:	484112848076.3
File:	met06_master011	File:	met06_master011
IDF:	1.0	IDF:	1.0
Lab ID:	QC1136967	Lab ID:	QC1136968
Matrix:	Wipe	Matrix:	Wipe
Batch:	335543	Batch:	335543
Time:	18-MAR-2024 14:19	Time:	18-MAR-2024 14:22
Cal:	484112848001	Cal:	484112848001
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	50.00	1.099	54.97	A	110	1.123	56.15	A	112	80-120	2	20	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	1661850	1631610	-1.82

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	1661850	1624520	-2.25

u=use

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BS,QC1136967,335543			Sample Type: Unknown Sample
Measure Date: 2024-03-18 14:19:38	Recalculation Date:	State: Measured	Quality:

	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	430841	427167	35298.20000	145203	665717	886185	368451
Int RSD	*2.2300129*	*1.2063643*	*0.4585050*	*0.6659243*	*0.4394029*	*1.6727094*	*0.6741385*
Int SD	*9607.810000*	*5153.190000*	*161.8440000*	*966.9420000*	*2925.180000*	*14823.30000*	*2483.870000*
RelInt Mean	0.0120681	0.0129570	0.0185159	0.0821586	0.4039060	0.0301701	0.2204660
RelInt RSD	*2.5835550*	*4.7852126*	*0.6136618*	*0.8759022*	*0.7016484*	*5.1958064*	*0.9438780*
RelInt SD	*0.0003118*	*0.0006200*	*0.0001136*	*0.0007196*	*0.0028340*	*0.0015676*	*0.0020809*
Conc Mean	0.4559850[mg/l]	0.9651940[mg/l]	0.9312480[mg/l]	0.8829820[mg/l]	1.0852000[mg/l]	1.0616000[mg/l]	1.1083300[mg/l]
Conc RSD	*2.5918396*	*4.7920522*	*0.6131063*	*0.8851166*	*0.7017407*	*5.8783252*	*0.9435728*
Conc SD	*0.0118184[mg/l]*	*0.0462526[mg/l]*	*0.0057095[mg/l]*	*0.0078154[mg/l]*	*0.0076153[mg/l]*	*0.0624043[mg/l]*	*0.0104579[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	293468	999917	558641	713183	160320	2806490	217690
Int RSD	*0.5115379*	*2.0564007*	*0.5616111*	*1.3508188*	*1.5538610*	*0.0749135*	*0.5066563*
Int SD	*1501.200000*	*20562.30000*	*3137.390000*	*9633.810000*	*2491.150000*	*2102.440000*	*1102.940000*
RelInt Mean	0.1739800	0.0310212	0.3367740	0.0249248	0.0033920	1.7255100	0.1303130
RelInt RSD	*0.8045810*	*2.1899185*	*0.8341143*	*5.0658380*	*5.8757389*	*0.1989789*	*0.7452319*
RelInt SD	*0.0013998*	*0.0006793*	*0.0028091*	*0.0012626*	*0.0001993*	*0.0034334*	*0.0009711*
Conc Mean	1.0618800[mg/l]	1.0014100[mg/l]	1.1145900[mg/l]	5.8677800[mg/l]	0.9502520[mg/l]	1.1064700[mg/l]	1.0290200[mg/l]
Conc RSD	*0.8041549*	*2.1978610*	*0.8347078*	*5.0823991*	*6.8197804*	*0.1993439*	*0.7455346*
Conc SD	*0.0085392[mg/l]*	*0.0220096[mg/l]*	*0.0093036[mg/l]*	*0.2982240[mg/l]*	*0.0648051[mg/l]*	*0.0022057[mg/l]*	*0.0076717[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	841438	246842	66073.60000	39261.00000	25649.00000	6429.180000	31838400
Int RSD	*0.8602999*	*0.6291433*	*0.7653995*	*1.1734775*	*0.5699637*	*0.6368853*	*0.9644517*
Int SD	*7238.890000*	*1552.990000*	*505.7270000*	*460.7190000*	*146.1900000*	*40.9465000*	*307066*
RelInt Mean	0.0286370	0.1450160	0.0341743	0.0195199	0.0124318	0.0007567	1.1328500
RelInt RSD	*3.8127248*	*0.9072930*	*1.1488019*	*1.7104186*	*1.0367927*	*4.3721908*	*4.6975681*
RelInt SD	*0.0010919*	*0.0013157*	*0.0003926*	*0.0003339*	*0.0001289*	*0.0000331*	*0.0532164*
Conc Mean	0.9851040[mg/l]	1.0876800[mg/l]	1.0993600[mg/l]	0.9239460[mg/l]	0.8512920[mg/l]	0.0133252[mg/l]	5.9919200[mg/l]
Conc RSD	*3.8910816*	*0.9073294*	*1.1458667*	*1.7168103*	*1.0349669*	*4.6599826*	*4.7037511*
Conc SD	*0.0383312[mg/l]*	*0.0098688[mg/l]*	*0.0125972[mg/l]*	*0.0158624[mg/l]*	*0.0088106[mg/l]*	*0.0006210[mg/l]*	*0.2818450[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	3595930	32975.90000	206239	1631610	30222900	28153900	574823
Int RSD	*1.6581385*	*0.7637456*	*2.6801623*	*0.2662744*	*0.1453246*	*3.7370666*	*0.3625760*
Int SD	*59625.50000*	*251.8520000*	*5527.540000*	*4344.560000*	*43921.30000*	*1052130*	*2084.170000*
RelInt Mean	0.1167910	0.0168547	0.0062851	---	---	---	0.3504290
RelInt RSD	*1.6887517*	*1.1886417*	*2.8474101*	---	---	---	*0.6003499*
RelInt SD	*0.0019723*	*0.0002003*	*0.0001790*	---	---	---	*0.0021038*
Conc Mean	1.0371500[mg/l]	1.0632100[mg/l]	0.9901310[mg/l]	1618770	30128600	28078700	1.0620100[mg/l]
Conc RSD	*1.6885407*	*1.1894734*	*2.8696405*	---	---	---	*0.6015122*
Conc SD	*0.0175127[mg/l]*	*0.0126466[mg/l]*	*0.0284132[mg/l]*	*4297.860000*	*44255.90000*	*1052430*	*0.0063881[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	10458000	15949500	542031	5780.780000	481756	5103.490000	
Int RSD	*0.9958405*	*0.7762814*	*0.5648330*	*1.3230568*	*0.4422675*	*0.2313750*	
Int SD	*104145*	*123813*	*3061.570000*	*76.4830000*	*2130.650000*	*11.8082000*	
RelInt Mean	0.3705020	0.5635940	0.3265740	0.0009247	0.2902460	0.0000852	
RelInt RSD	*4.8089349*	*4.3885492*	*0.8210880*	*6.2831822*	*0.6661143*	*6.4158006*	
RelInt SD	*0.0178172*	*0.0247336*	*0.0026815*	*0.0000581*	*0.0019334*	*0.0000055*	
Conc Mean	0.9408640[mg/l]	1.2120000[mg/l]	5.0148700[mg/l]	0.0202215[mg/l]	0.9648760[mg/l]	0.0232989[mg/l]	
Conc RSD	*4.8029577*	*4.3903795*	*0.8231420*	*8.6224068*	*0.6691077*	*2.2842023*	
Conc SD	*0.0451893[mg/l]*	*0.0532114[mg/l]*	*0.0412795[mg/l]*	*0.0017436[mg/l]*	*0.0064561[mg/l]*	*0.0005322[mg/l]*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: BSD,QC1136968,335543				Sample Type: Unknown Sample
Measure Date: 2024-03-18 14:22:58	Recalculation Date:	State: Measured	Quality:	

	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	435954	437594	35664.20000	146026	668448	891343	372125
Int RSD	*2.0915303*	*0.7841561*	*0.7431234*	*0.5099770*	*0.2952675*	*0.7273474*	*0.2255274*
Int SD	*9118.110000*	*3431.420000*	*265.0290000*	*744.6990000*	*1973.710000*	*6483.160000*	*839.2440000*
RelInt Mean	0.0122945	0.0136987	0.0188258	0.0830087	0.4073210	0.0312427	0.2236990
RelInt RSD	*3.3868396*	*1.8704403*	*0.5080273*	*0.2913152*	*0.4545629*	*1.7059281*	*0.6639905*
RelInt SD	*0.0004164*	*0.0002562*	*0.0000956*	*0.0002418*	*0.0018515*	*0.0005330*	*0.0014853*
Conc Mean	0.4645680[mg/l]	1.0205200[mg/l]	0.9468100[mg/l]	0.8922130[mg/l]	1.0943900[mg/l]	1.1043000[mg/l]	1.1245800[mg/l]
Conc RSD	*3.3976296*	*1.8735253*	*0.5074017*	*0.2943860*	*0.4523442*	*1.9216427*	*0.6677435*
Conc SD	*0.0157843[mg/l]*	*0.0191197[mg/l]*	*0.0048041[mg/l]*	*0.0026265[mg/l]*	*0.0049504[mg/l]*	*0.0212207[mg/l]*	*0.0075093[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	295361	1001400	561195	757475	162066	2827930	217811
Int RSD	*0.2183193*	*1.9087777*	*0.2825239*	*0.8825189*	*0.7805524*	*0.4820452*	*0.4155506*
Int SD	*644.8300000*	*19114.50000*	*1585.510000*	*6684.860000*	*1265.010000*	*13631.90000*	*905.1150000*
RelInt Mean	0.1758740	0.0312623	0.3397770	0.0272940	0.0035238	1.7463200	0.1309420
RelInt RSD	*0.6411692*	*2.8269385*	*0.6414619*	*1.7212391*	*1.9601996*	*0.2643582*	*1.1796826*
RelInt SD	*0.0011277*	*0.0008838*	*0.0021795*	*0.0004698*	*0.0000691*	*0.0046165*	*0.0015447*
Conc Mean	1.0734400[mg/l]	1.0092200[mg/l]	1.1245400[mg/l]	6.4273700[mg/l]	0.9931020[mg/l]	1.1198200[mg/l]	1.0339900[mg/l]
Conc RSD	*0.6411425*	*2.8371316*	*0.6419274*	*1.7264449*	*2.2617918*	*0.2639156*	*1.1792764*
Conc SD	*0.0068823[mg/l]*	*0.0286329[mg/l]*	*0.0072187[mg/l]*	*0.1109650[mg/l]*	*0.0224619[mg/l]*	*0.0029554[mg/l]*	*0.0121936[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	855561	249224	67027.40000	39897.50000	25965.00000	6289.590000	31477200
Int RSD	*0.7868334*	*0.2695503*	*0.5034374*	*0.8606078*	*0.1572340*	*0.7568331*	*0.7208106*
Int SD	*6731.840000*	*671.7840000*	*337.4410000*	*343.3610000*	*40.8258000*	*47.6017000*	*226891*
RelInt Mean	0.0300075	0.1470560	0.0349114	0.0199754	0.0126561	0.0006685	1.1539100
RelInt RSD	*0.6333483*	*0.5767442*	*0.7185132*	*1.1370736*	*0.9521970*	*3.3831533*	*0.2884350*
RelInt SD	*0.0001901*	*0.0008481*	*0.0002508*	*0.0002271*	*0.0001205*	*0.0000226*	*0.0033283*
Conc Mean	1.0332200[mg/l]	1.1029900[mg/l]	1.1229800[mg/l]	0.9455790[mg/l]	0.8666230[mg/l]	0.0116701[mg/l]	6.1034700[mg/l]
Conc RSD	*0.6457589*	*0.5771748*	*0.7159041*	*1.1435639*	*0.9505564*	*3.6376209*	*0.2888291*
Conc SD	*0.0066721[mg/l]*	*0.0063662[mg/l]*	*0.0080395[mg/l]*	*0.0108133[mg/l]*	*0.0082377[mg/l]*	*0.0004245[mg/l]*	*0.0176286[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	3630540	33303.70000	205571	1624520	30027900	27296800	584139
Int RSD	*1.6248492*	*0.0839321*	*2.5852139*	*0.7422808*	*1.3530483*	*1.0092721*	*0.0703415*
Int SD	*58990.80000*	*27.9525000*	*5314.450000*	*12058.50000*	*406292*	*275499*	*410.8920000*
RelInt Mean	0.1187190	0.0171489	0.0063040	---	---	---	0.3577280
RelInt RSD	*2.6872278*	*0.6108322*	*3.6826893*	---	---	---	*0.6820042*
RelInt SD	*0.0031902*	*0.0001048*	*0.0002322*	---	---	---	*0.0024397*
Conc Mean	1.0542700[mg/l]	1.0817500[mg/l]	0.9931270[mg/l]	1611730	29932800	27220500	1.0841900[mg/l]
Conc RSD	*2.6871864*	*0.6124003*	*3.7115193*	---	---	---	*0.6835997*
Conc SD	*0.0283302[mg/l]*	*0.0066246[mg/l]*	*0.0368601[mg/l]*	*12082.30000*	*406486*	*275502*	*0.0074115[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	10412100	15926700	523553	5727.950000	487544	5079.290000	
Int RSD	*0.9876202*	*0.3545832*	*0.3275638*	*1.8307073*	*0.2013312*	*1.0622233*	
Int SD	*102832*	*56473.40000*	*1714.970000*	*104.8620000*	*981.5780000*	*53.9534000*	
RelInt Mean	0.3800330	0.5799320	0.3165370	0.0009038	0.2950720	0.0000882	
RelInt RSD	*0.1789884*	*0.9168644*	*0.5547756*	*6.0047487*	*0.5754697*	*48.0008794*	
RelInt SD	*0.0006802*	*0.0053172*	*0.0017561*	*0.0000543*	*0.0016981*	*0.0000424*	
Conc Mean	0.9650360[mg/l]	1.2471500[mg/l]	4.8595900[mg/l]	0.0195947[mg/l]	0.9809230[mg/l]	0.0235989[mg/l]	
Conc RSD	*0.1788192*	*0.9173556*	*0.5535076*	*8.3118905*	*0.5774837*	*17.4835268*	
Conc SD	*0.0017257[mg/l]*	*0.0114408[mg/l]*	*0.0268982[mg/l]*	*0.0016287[mg/l]*	*0.0056647[mg/l]*	*0.0041259[mg/l]*	

ENTHALPY INITIAL CALIBRATION FOR 504506 METALS Wipe: EPA 6010B

Instrument:	MET06		
Calibration #:	484112848001	Date:	18-MAR-2024 08:48
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	met06_master011	484112848002	L1	18-MAR-2024 08:51	S19988, S16862 (100X)
L2	met06_master011	484112848003	L2	18-MAR-2024 08:55	S19987, S16862 (100X)
L3	met06_master011	484112848004	L3	18-MAR-2024 08:58	S19986, S16862 (100X)
L4	met06_master011	484112848005	L4	18-MAR-2024 09:01	S19985, S16862 (100X)
L5	met06_master011	484112848006	L5	18-MAR-2024 09:05	S19984, S16862 (100X)
L6	met06_master011	484112848007	L6	18-MAR-2024 09:08	S19983, S16862 (100X)

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	0.00399	32.0641		0.0251	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	-0.002	0.0235	0.0327	0.0336	0.0311	0.0312

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	14	0.0100	15	0.1000	9	1.0000	8	5.0000	0	10.000	0

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 504506 METALS Wipe
EPA 6010B

Inst:	MET06		
Calnum:	484112848001	Cal Date:	18-MAR-2024

- ICV 484112848010 (18-MAR-2024) stds: S20203, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.081	mg/l	8	10	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICALBLK,CALBLANK			Sample Type: Calibration Sample
Measure Date: 2024-03-18 08:48:27	Recalculation Date:	State: Measured	Quality:

	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	64330.20000	59688.30000	4945.490000	13204.70000	11303.70000	136269	10874.00000
Int RSD	*0.5688308*	*0.6609403*	*0.4045100*	*0.0720887*	*0.5782310*	*1.3174677*	*0.9561523*
Int SD	*365.9300000*	*394.5040000*	*20.0050000*	*9.5191000*	*65.3615000*	*1795.300000*	*103.9720000*
RelInt Mean	0.0000387	0.0000198	-0.0000352	0.0008575	0.0000374	0.0034962	-0.0000029
RelInt RSD	*9.4723093*	*56.3847655*	*11.6766923*	*4.1840257*	*52.5040016*	*2.4189160*	*722.6632344*
RelInt SD	*0.0000037*	*0.0000112*	*0.0000041*	*0.0000359*	*0.0000196*	*0.0000846*	*0.0000208*

	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	11196.30000	63216.30000	13187.70000	14452.30000	75766.20000	13361.30000	6272.630000
Int RSD	*0.7765163*	*0.4969921*	*0.2908528*	*10.3026508*	*0.7956727*	*0.7168793*	*0.3524120*
Int SD	*86.9411000*	*314.1800000*	*38.3568000*	*1488.970000*	*602.8510000*	*95.7844000*	*22.1055000*
RelInt Mean	-0.0000461	0.0001137	0.0001743	0.0000964	0.0004693	0.0005400	-0.0000002
RelInt RSD	*44.6691495*	*4.1936920*	*19.6295893*	*57.6051236*	*3.2215595*	*17.8995978*	*11247.46683*
RelInt SD	*0.0000206*	*0.0000048*	*0.0000342*	*0.0000555*	*0.0000151*	*0.0000967*	*0.0000186*

	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	45576.70000	11471.50000	9949.220000	7235.350000	5177.050000	4976.330000	60934.80000
Int RSD	*3.8772662*	*0.8505592*	*1.1108610*	*1.3412910*	*0.5771897*	*0.8968135*	*0.7639707*
Int SD	*1767.130000*	*97.5719000*	*110.5220000*	*97.0471000*	*29.8814000*	*44.6284000*	*465.5240000*
RelInt Mean	0.0003566	0.0000078	-0.0001270	-0.0000008	-0.0000246	0.0000470	0.0001788
RelInt RSD	*17.9292380*	*1029.562690*	*16.6413585*	*2859.399075*	*74.3373044*	*23.5084638*	*7.0151391*
RelInt SD	*0.0000639*	*0.0000801*	*0.0000211*	*0.0000215*	*0.0000183*	*0.0000111*	*0.0000125*

	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	67629.70000	4960.150000	16914.40000	1661850	31331300	28200600	7872.720000
Int RSD	*0.4743729*	*0.2478494*	*1.3518600*	*0.4108536*	*0.2684711*	*1.3438898*	*2.9596759*
Int SD	*320.8170000*	*12.2937000*	*228.6590000*	*6827.770000*	*84115.50000*	*378985*	*233.0070000*
RelInt Mean	-0.0000103	-0.0000539	0.0000464	---	---	---	0.0005419
RelInt RSD	*17.7335522*	*46.3417528*	*13.3196981*	---	---	---	*21.9567785*
RelInt SD	*0.0000018*	*0.0000250*	*0.0000062*	---	---	---	*0.0001190*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	36468.20000	35695.70000	13414.80000	4416.220000	10957.50000	4510.070000	
Int RSD	*1.0641463*	*3.1853977*	*0.4359938*	*1.3804996*	*0.4622496*	*1.4296984*	
Int SD	*388.0750000*	*1137.050000*	*58.4877000*	*60.9659000*	*50.6510000*	*64.4804000*	
RelInt Mean	-0.0004638	0.0000613	0.0006711	0.0002509	0.0000534	-0.0001540	
RelInt RSD	*4.9449699*	*85.7812804*	*8.2506035*	*13.2233286*	*80.5885215*	*18.2539569*	
RelInt SD	*0.0000229*	*0.0000526*	*0.0000554*	*0.0000332*	*0.0000431*	*0.0000281*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L1,S19988			Sample Type: Calibration Sample
Measure Date: 2024-03-18 08:51:47	Recalculation Date:	State: Measured	Quality:

	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	66000.30000	63748.90000	5089.960000	13801.40000	13581.60000	156410	11768.30000
Int RSD	*0.3912649*	*1.2458411*	*1.0194167*	*1.0389888*	*0.6325138*	*0.3496209*	*0.5211772*
Int SD	*258.2360000*	*794.2100000*	*51.8879000*	*143.3950000*	*85.9055000*	*546.8420000*	*61.3337000*
RelInt Mean	0.0000432	0.0001157	-0.0000015	0.0010468	0.0012436	0.0042486	0.0004274
RelInt RSD	*7.9520018*	*10.1049619*	*2265.727286*	*7.2424318*	*3.3543129*	*1.2110014*	*9.0664782*
RelInt SD	*0.0000034*	*0.0000117*	*0.0000329*	*0.0000758*	*0.0000417*	*0.0000514*	*0.0000388*

	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	12308.70000	67650.90000	17309.10000	18058.80000	79853.50000	22809.10000	7096.630000
Int RSD	*0.6358551*	*0.5681654*	*0.3677164*	*1.4965335*	*0.7612115*	*0.2659614*	*0.4346035*
Int SD	*78.2655000*	*384.3690000*	*63.6484000*	*270.2560000*	*607.8540000*	*60.6634000*	*30.8422000*
RelInt Mean	0.0005288	0.0002113	0.0025108	0.0002131	0.0005829	0.0061803	0.0004501
RelInt RSD	*7.9953710*	*2.1551973*	*1.7014067*	*2.4623960*	*1.5400274*	*0.4761224*	*3.4405941*
RelInt SD	*0.0000423*	*0.0000046*	*0.0000427*	*0.0000052*	*0.0000090*	*0.0000294*	*0.0000155*

	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	95482.10000	12395.90000	10340.90000	7646.570000	5502.940000	5351.940000	572715
Int RSD	*2.8861535*	*0.6403214*	*0.4672727*	*0.6719235*	*0.5762229*	*0.1638587*	*1.0898405*
Int SD	*2755.760000*	*79.3736000*	*48.3202000*	*51.3791000*	*31.7092000*	*8.7696200*	*6241.680000*
RelInt Mean	0.0021301	0.0003601	-0.0000055	0.0001740	0.0001269	0.0002208	0.0185928
RelInt RSD	*2.5598736*	*13.1906739*	*866.1765692*	*18.7084133*	*17.0589070*	*5.0986973*	*2.6888796*
RelInt SD	*0.0000545*	*0.0000475*	*0.0000478*	*0.0000326*	*0.0000216*	*0.0000113*	*0.0004999*

	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	81119.50000	5329.530000	17572.10000	1644630	30517500	27802000	13071.50000
Int RSD	*0.1500441*	*0.2446970*	*0.5640430*	*0.7669202*	*1.1027771*	*1.4489389*	*0.5585128*
Int SD	*121.7150000*	*13.0412000*	*99.1142000*	*12613.00000*	*336540*	*402834*	*73.0060000*
RelInt Mean	0.0003765	0.0001372	0.0000551	---	---	---	0.0036639
RelInt RSD	*2.0153467*	*4.5193243*	*1.8067714*	---	---	---	*1.8040847*
RelInt SD	*0.0000076*	*0.0000062*	*0.0000010*	---	---	---	*0.0000661*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	48014.30000	86222.60000	13821.70000	4375.180000	12054.30000	4563.210000	
Int RSD	*0.5272367*	*0.5625393*	*0.9994791*	*0.7010843*	*1.1852783*	*0.6658887*	
Int SD	*253.1490000*	*485.0360000*	*138.1450000*	*30.6737000*	*142.8770000*	*30.3859000*	
RelInt Mean	-0.0000707	0.0018405	0.0007601	0.0001835	0.0006303	-0.0001603	
RelInt RSD	*21.6931359*	*1.4188450*	*19.9670827*	*7.7935037*	*13.1779523*	*7.0667590*	
RelInt SD	*0.0000153*	*0.0000261*	*0.0001518*	*0.0000143*	*0.0000831*	*0.0000113*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L2,S19987			Sample Type: Calibration Sample
Measure Date: 2024-03-18 08:55:06	Recalculation Date:	State: Measured	Quality:

	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	66187.80000	68161.60000	5310.430000	14726.10000	18056.40000	205383	12940.20000
Int RSD	*0.9683703*	*0.4718610*	*0.2322335*	*0.4149904*	*0.7485268*	*0.3968678*	*0.4894468*
Int SD	*640.9430000*	*321.6280000*	*12.3326000*	*61.1119000*	*135.1570000*	*815.0990000*	*63.3354000*
RelInt Mean	0.0000339	0.0002897	0.0001357	0.0016757	0.0040838	0.0060870	0.0011449
RelInt RSD	*25.4092529*	*4.1634048*	*10.4961199*	*1.0583591*	*1.3422001*	*1.1059586*	*5.2302452*
RelInt SD	*0.0000086*	*0.0000121*	*0.0000142*	*0.0000177*	*0.0000548*	*0.0000673*	*0.0000599*

	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	14235.30000	74150.90000	24815.20000	27388.50000	85982.20000	42022.60000	8613.330000
Int RSD	*0.4510119*	*0.8484401*	*0.5890704*	*1.1504683*	*0.8647522*	*0.4060363*	*0.4108225*
Int SD	*64.2029000*	*629.1260000*	*146.1790000*	*315.0960000*	*743.5330000*	*170.6270000*	*35.3855000*
RelInt Mean	0.0017452	0.0004176	0.0071992	0.0005582	0.0008311	0.0182076	0.0014036
RelInt RSD	*3.3500745*	*2.0497538*	*0.6089960*	*0.4759548*	*0.2056332*	*1.1951493*	*2.8113507*
RelInt SD	*0.0000585*	*0.0000086*	*0.0000438*	*0.0000027*	*0.0000017*	*0.0002176*	*0.0000395*

	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	195620	14052.10000	10736.40000	8427.800000	6001.020000	5984.680000	1647840
Int RSD	*0.5112463*	*1.0079419*	*0.5032832*	*0.4403783*	*0.8317953*	*0.8163995*	*0.7703175*
Int SD	*1000.100000*	*141.6370000*	*54.0345000*	*37.1142000*	*49.9162000*	*48.8589000*	*12693.60000*
RelInt Mean	0.0058073	0.0014633	0.0002354	0.0006428	0.0004318	0.0006000	0.0580505
RelInt RSD	*0.4732079*	*6.7316863*	*17.5208062*	*0.8278312*	*6.5284353*	*4.9727100*	*1.3188345*
RelInt SD	*0.0000275*	*0.0000985*	*0.0000412*	*0.0000053*	*0.0000282*	*0.0000298*	*0.0007656*

	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	105012	5957.490000	18393.40000	1621860	30233200	27490300	25393.10000
Int RSD	*0.6303337*	*0.2142228*	*1.2514108*	*0.9976262*	*0.1305118*	*0.9254392*	*0.1991848*
Int SD	*661.9260000*	*12.7623000*	*230.1770000*	*16180.10000*	*39457.90000*	*254406*	*50.5792000*
RelInt Mean	0.0011587	0.0005155	0.0000812	---	---	---	0.0113557
RelInt RSD	*0.8205563*	*3.5649697*	*9.0949532*	---	---	---	*1.2327906*
RelInt SD	*0.0000095*	*0.0000184*	*0.0000074*	---	---	---	*0.0001400*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	70577.70000	194551	13842.80000	4424.670000	13821.20000	4619.340000	
Int RSD	*0.9144106*	*0.3046224*	*1.0276606*	*2.3535314*	*0.2950923*	*0.6357965*	
Int SD	*645.3700000*	*592.6460000*	*142.2570000*	*104.1360000*	*40.7853000*	*29.3696000*	
RelInt Mean	0.0007559	0.0057930	0.0008168	0.0001969	0.0016959	-0.0001434	
RelInt RSD	*2.5621551*	*0.7523075*	*9.9599067*	*31.7271291*	*2.4532327*	*10.3336890*	
RelInt SD	*0.0000194*	*0.0000436*	*0.0000814*	*0.0000625*	*0.0000416*	*0.0000148*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L3,S19986			Sample Type: Calibration Sample
Measure Date: 2024-03-18 08:58:26	Recalculation Date:	State: Measured	Quality:

	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	66736.80000	132864	8098.240000	27669.40000	73968.60000	847934	28494.20000
Int RSD	*1.0137286*	*0.9954615*	*0.4741104*	*0.4768625*	*0.1676549*	*0.5849323*	*0.2317591*
Int SD	*676.5300000*	*1322.610000*	*38.3946000*	*131.9450000*	*124.0120000*	*4959.840000*	*66.0379000*
RelInt Mean	0.0000257	0.0025489	0.0018363	0.0096746	0.0388136	0.0298265	0.0107515
RelInt RSD	*43.7369836*	*1.4249217*	*1.2203852*	*1.7552250*	*0.5312159*	*0.7774697*	*0.8182588*
RelInt SD	*0.0000113*	*0.0000363*	*0.0000224*	*0.0001698*	*0.0002062*	*0.0002319*	*0.0000880*

	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	39366.70000	154094	113951	156613	164858	284169	26901.30000
Int RSD	*0.4352943*	*1.0427726*	*0.7664628*	*0.8413350*	*0.6387315*	*0.3600815*	*0.3895908*
Int SD	*171.3610000*	*1606.850000*	*873.3920000*	*1317.640000*	*1053.000000*	*1023.240000*	*104.8050000*
RelInt Mean	0.0173078	0.0031112	0.0626236	0.0053114	0.0036994	0.1687490	0.0127093
RelInt RSD	*0.6739331*	*2.1275709*	*0.4084578*	*1.0525080*	*0.4478387*	*0.5635672*	*0.3254247*
RelInt SD	*0.0001166*	*0.0000662*	*0.0002558*	*0.0000559*	*0.0000166*	*0.0009510*	*0.0000414*

	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	1544370	34914.20000	15714.90000	16879.30000	12241.20000	13430.30000	14964100
Int RSD	*0.6999229*	*0.0629512*	*0.8839127*	*0.4301280*	*0.4392331*	*0.5707847*	*0.6924573*
Int SD	*10809.40000*	*21.9789000*	*138.9060000*	*72.6026000*	*53.7674000*	*76.6581000*	*103620*
RelInt Mean	0.0554976	0.0143694	0.0032734	0.0058527	0.0042695	0.0052044	0.5499670
RelInt RSD	*1.0712517*	*0.5576301*	*2.5836597*	*1.0460249*	*0.4262721*	*1.0456267*	*0.4028278*
RelInt SD	*0.0005945*	*0.0000801*	*0.0000846*	*0.0000612*	*0.0000182*	*0.0000544*	*0.0022154*

	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	398387	13272.60000	26773.90000	1620230	29651600	27172300	173979
Int RSD	*1.2148137*	*0.1639129*	*0.7395785*	*0.5441252*	*0.4732358*	*0.7788557*	*0.3425833*
Int SD	*4839.660000*	*21.7555000*	*198.0140000*	*8816.080000*	*140322*	*211633*	*596.0230000*
RelInt Mean	0.0110692	0.0050241	0.0003590	---	---	---	0.1036980
RelInt RSD	*1.6171539*	*0.5938445*	*2.5800579*	---	---	---	*0.7210235*
RelInt SD	*0.0001790*	*0.0000298*	*0.0000093*	---	---	---	*0.0007477*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	354457	1576010	13915.20000	4547.120000	35817.40000	4649.750000	
Int RSD	*0.4997503*	*0.7254269*	*0.4494811*	*1.5589846*	*0.2043138*	*0.6716469*	
Int SD	*1771.400000*	*11432.80000*	*62.5462000*	*70.8889000*	*73.1799000*	*31.2299000*	
RelInt Mean	0.0112083	0.0564924	0.0008242	0.0002683	0.0153424	-0.0001404	
RelInt RSD	*1.1166814*	*1.0110935*	*2.3259414*	*17.2594387*	*0.2951175*	*23.1185079*	
RelInt SD	*0.0001252*	*0.0005712*	*0.0000192*	*0.0000463*	*0.0000453*	*0.0000324*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L4,S19985			Sample Type: Calibration Sample
Measure Date: 2024-03-18 09:01:46	Recalculation Date:	State: Measured	Quality:

	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	67535.80000	783629	36449.70000	155310	617206	6980790	173938
Int RSD	*0.5481715*	*0.2921829*	*0.5391704*	*0.1831389*	*0.4559402*	*1.0831654*	*0.1157556*
Int SD	*370.2120000*	*2289.630000*	*196.5260000*	*284.4330000*	*2814.090000*	*75613.50000*	*201.3430000*
RelInt Mean	0.0000306	0.0266302	0.0198510	0.0911436	0.3862670	0.2642840	0.1036110
RelInt RSD	*19.8856816*	*0.7557172*	*0.5704196*	*0.3390189*	*0.7187930*	*0.6371706*	*0.4637577*
RelInt SD	*0.0000061*	*0.0002012*	*0.0001132*	*0.0003090*	*0.0027765*	*0.0016839*	*0.0004805*

	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	283000	948871	1036180	1890220	924080	2626600	206516
Int RSD	*0.0724254*	*1.5903742*	*0.5929761*	*1.0207436*	*0.2187397*	*0.2611311*	*1.1735798*
Int SD	*204.9640000*	*15090.60000*	*6144.300000*	*19294.30000*	*2021.330000*	*6858.870000*	*2423.630000*
RelInt Mean	0.1729140	0.0306889	0.6525020	0.0713175	0.0326482	1.6677900	0.1274630
RelInt RSD	*0.4520814*	*1.9386879*	*0.5326129*	*1.0069787*	*0.6968470*	*0.2016537*	*1.2381554*
RelInt SD	*0.0007817*	*0.0005950*	*0.0034753*	*0.0007182*	*0.0002275*	*0.0033632*	*0.0015782*

	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	17810500	234636	63452.90000	106407	76463.40000	89513.60000	117237000
Int RSD	*1.1198619*	*0.3437635*	*0.4071965*	*0.2680294*	*0.9471198*	*0.1160796*	*0.4325358*
Int SD	*199453*	*806.5930000*	*258.3780000*	*285.2020000*	*724.2000000*	*103.9070000*	*507092*
RelInt Mean	0.6751600	0.1418790	0.0335825	0.0629797	0.0452720	0.0537606	4.4633300
RelInt RSD	*1.3323671*	*0.5302060*	*0.3722207*	*0.6822516*	*1.4321170*	*0.3902114*	*0.5928488*
RelInt SD	*0.0089956*	*0.0007523*	*0.0001250*	*0.0004297*	*0.0006483*	*0.0002098*	*0.0264608*

	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	3351190	84712.80000	106591	1579470	28881300	26319500	1657920
Int RSD	*1.0618377*	*0.3141556*	*1.1284161*	*0.4243177*	*1.3885594*	*0.9370581*	*0.3144084*
Int SD	*35584.20000*	*266.1300000*	*1202.790000*	*6701.970000*	*401034*	*246629*	*5212.640000*
RelInt Mean	0.1137470	0.0506720	0.0031240	---	---	---	1.0531500
RelInt RSD	*1.6660747*	*0.4148465*	*1.6144915*	---	---	---	*0.2255870*
RelInt SD	*0.0018951*	*0.0002102*	*0.0000504*	---	---	---	*0.0023758*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	3191790	14928300	16786.10000	5322.670000	249084	5081.650000	
Int RSD	*1.1161762*	*0.7647756*	*1.4222780*	*1.7485040*	*0.5574987*	*0.8534689*	
Int SD	*35626.00000*	*114168*	*238.7450000*	*93.0671000*	*1388.640000*	*43.3703000*	
RelInt Mean	0.1194480	0.5636190	0.0024669	0.0006255	0.1514250	-0.0000134	
RelInt RSD	*0.7205395*	*1.2549701*	*3.0052211*	*9.6839073*	*0.4957279*	*78.0284512*	
RelInt SD	*0.0008607*	*0.0070732*	*0.0000741*	*0.0000606*	*0.0007507*	*0.0000104*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L5,S19984			Sample Type: Calibration Sample
Measure Date: 2024-03-18 09:05:05	Recalculation Date:	State: Measured	Quality:

	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	70265.30000	3417560	151594	713109	2773320	31057800	777137
Int RSD	*0.2193914*	*0.6083170*	*0.2053346*	*0.1507610*	*0.6081195*	*1.8587633*	*0.2072119*
Int SD	*154.1560000*	*20789.60000*	*311.2750000*	*1075.090000*	*16865.10000*	*577291*	*1610.320000*
RelInt Mean	0.0000188	0.1322230	0.0971671	0.4671980	1.8426600	1.2556000	0.5101980
RelInt RSD	*61.8547197*	*1.5651286*	*0.4506299*	*0.3696441*	*0.3464269*	*1.5952533*	*0.3577415*
RelInt SD	*0.0000116*	*0.0020695*	*0.0004379*	*0.0017270*	*0.0063835*	*0.0200300*	*0.0018252*

	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	1219670	4233690	4578060	10550400	3829180	11870100	978230
Int RSD	*0.6044651*	*0.9501168*	*0.6173139*	*0.3154961*	*0.3519840*	*0.0439881*	*0.4347434*
Int SD	*7372.480000*	*40225.00000*	*28261.00000*	*33286.10000*	*13478.10000*	*5221.430000*	*4252.790000*
RelInt Mean	0.8048490	0.1528880	3.0463000	0.4255440	0.1520050	7.9146700	0.6478920
RelInt RSD	*0.3683710*	*0.6739312*	*0.3472015*	*1.3135516*	*1.2235979*	*0.3011787*	*0.2667590*
RelInt SD	*0.0029648*	*0.0010304*	*0.0105768*	*0.0055897*	*0.0018599*	*0.0238373*	*0.0017283*

	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	78356100	1010460	245379	466925	331915	403388	139585000
Int RSD	*1.1198158*	*0.6628684*	*0.1704991*	*0.1944685*	*0.2382941*	*0.2800554*	*0.0238504*
Int SD	*877444*	*6698.020000*	*418.3690000*	*908.0220000*	*790.9340000*	*1129.710000*	*33291.60000*
RelInt Mean	3.1596600	0.6652810	0.1557330	0.3056700	0.2174620	0.2653340	5.6456400
RelInt RSD	*1.3400113*	*0.3926687*	*0.4575581*	*0.4177086*	*0.4986848*	*0.3896410*	*1.0988037*
RelInt SD	*0.0423398*	*0.0026123*	*0.0007126*	*0.0012768*	*0.0010845*	*0.0010339*	*0.0620345*

	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	15352600	371151	442788	1511330	27264100	24761300	7794440
Int RSD	*1.0041231*	*0.1703328*	*1.0121458*	*0.2719347*	*0.5241581*	*1.1128374*	*0.6040537*
Int SD	*154159*	*632.1920000*	*4481.660000*	*4109.830000*	*142907*	*275553*	*47082.60000*
RelInt Mean	0.5613980	0.2434570	0.0156161	---	---	---	5.1967700
RelInt RSD	*0.9985162*	*0.4046324*	*1.2378955*	---	---	---	*0.3396263*
RelInt SD	*0.0056057*	*0.0009851*	*0.0001933*	---	---	---	*0.0176496*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	14647900	63040200	29802.50000	8255.860000	1105830	6503.650000	
Int RSD	*1.3976884*	*0.4160044*	*0.5555943*	*1.4372337*	*0.5057613*	*0.7095815*	
Int SD	*204732*	*262250*	*165.5810000*	*118.6560000*	*5592.860000*	*46.1487000*	
RelInt Mean	0.5901920	2.5337900	0.0106901	0.0021200	0.7291650	0.0004758	
RelInt RSD	*1.3034453*	*0.9279854*	*0.4083357*	*3.9378028*	*0.2434730*	*8.2618227*	
RelInt SD	*0.0076928*	*0.0235132*	*0.0000437*	*0.0000835*	*0.0017753*	*0.0000393*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L6,S19983			Sample Type: Calibration Sample
Measure Date: 2024-03-18 09:08:25	Recalculation Date:	State: Measured	Quality:

	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	73706.70000	6698830	303342	1376060	5518460	60844300	1475190
Int RSD	*0.1543957*	*0.6755762*	*0.0799629*	*0.8068107*	*0.7403787*	*1.1723580*	*0.6772517*
Int SD	*113.8000000*	*45255.70000*	*242.5610000*	*11102.20000*	*40857.50000*	*713313*	*9990.750000*
RelInt Mean	-0.0000046	0.2690480	0.2000910	0.9187650	3.7128600	2.5162900	0.9853940
RelInt RSD	*289.4985113*	*0.8273914*	*0.5915858*	*0.2715743*	*0.3264761*	*0.3302262*	*0.2401283*
RelInt SD	*0.0000134*	*0.0022261*	*0.0011837*	*0.0024951*	*0.0121216*	*0.0083095*	*0.0023662*

	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	2455120	8355020	8940680	20546800	7547050	23018000	1874740
Int RSD	*0.5174126*	*1.0422752*	*0.5805923*	*0.8565908*	*0.5785969*	*0.2586180*	*0.2555890*
Int SD	*12703.10000*	*87082.30000*	*51908.90000*	*176002*	*43667.00000*	*59528.70000*	*4791.630000*
RelInt Mean	1.6449500	0.3095590	6.0202800	0.8469620	0.3089620	15.5162000	1.2586400
RelInt RSD	*0.1493687*	*1.6276122*	*0.1098615*	*0.6397442*	*0.8935565*	*0.4181939*	*0.5382349*
RelInt SD	*0.0024570*	*0.0050384*	*0.0066140*	*0.0054184*	*0.0027608*	*0.0648878*	*0.0067744*

	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	133567000	1991270	475189	950484	658820	797216	139915000
Int RSD	*0.5866636*	*0.5908541*	*0.0938300*	*0.0625955*	*0.0716475*	*0.2335954*	*0.0021442*
Int SD	*783589*	*11765.50000*	*445.8700000*	*594.9600000*	*472.0280000*	*1862.260000*	*3000.000000*
RelInt Mean	5.5059900	1.3328500	0.3115360	0.6339790	0.4397890	0.5333250	5.7798100
RelInt RSD	*1.0730205*	*0.1422613*	*0.6000719*	*0.6652681*	*0.6985441*	*0.6256092*	*1.2940131*
RelInt SD	*0.0590804*	*0.0018961*	*0.0018694*	*0.0042177*	*0.0030721*	*0.0033365*	*0.0747915*

	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	30191300	705513	864629	1496680	26776100	24223800	14434100
Int RSD	*0.8973843*	*0.5022742*	*1.1344981*	*0.6189433*	*0.5835054*	*1.2828375*	*0.4873161*
Int SD	*270932*	*3543.610000*	*9809.200000*	*9263.600000*	*156240*	*310752*	*70339.70000*
RelInt Mean	1.1268900	0.4708250	0.0316327	---	---	---	9.7286800
RelInt RSD	*1.3895500*	*0.1604358*	*1.6813962*	---	---	---	*0.3410740*
RelInt SD	*0.0156587*	*0.0007554*	*0.0005319*	---	---	---	*0.0331820*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	28659100	109994000	42574.40000	11825.10000	2252440	8165.070000	
Int RSD	*0.8369663*	*0.3682501*	*0.7593718*	*0.2283287*	*0.7046403*	*0.4407801*	
Int SD	*239867*	*405053*	*323.2980000*	*27.0001000*	*15871.60000*	*35.9900000*	
RelInt Mean	1.1826000	4.5184100	0.0188981	0.0040099	1.5082000	0.0011542	
RelInt RSD	*0.6685464*	*0.9497921*	*1.2926908*	*0.2087722*	*0.0965913*	*2.0984447*	
RelInt SD	*0.0079062*	*0.0429155*	*0.0002443*	*0.0000084*	*0.0014568*	*0.0000242*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L7,S20134			Sample Type: Calibration Sample
Measure Date: 2024-03-18 09:11:44	Recalculation Date:	State: Measured	Quality:

	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	1639640	63419.80000	5222.480000	15131.30000	12158.10000	133694	11607.10000
Int RSD	*1.4610585*	*1.6234993*	*0.6244370*	*1.4887551*	*1.2243360*	*0.4068455*	*0.3815346*
Int SD	*23956.10000*	*1029.620000*	*32.6111000*	*225.2680000*	*148.8560000*	*543.9280000*	*44.2851000*
RelInt Mean	0.0528009	0.0000469	-0.0000076	0.0017192	0.0002409	0.0034481	0.0001224
RelInt RSD	*0.9738489*	*10.7577563*	*459.1913401*	*8.9609400*	*32.9136888*	*2.5118544*	*28.1605458*
RelInt SD	*0.0005142*	*0.0000050*	*0.0000351*	*0.0001541*	*0.0000793*	*0.0000866*	*0.0000345*

	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	11702.00000	66692.40000	24341.90000	14493.10000	78831.00000	14216.60000	18787.50000
Int RSD	*0.9314733*	*0.9129031*	*9.0052954*	*1.7122424*	*1.1887633*	*0.8164892*	*18.3437924*
Int SD	*109.0010000*	*608.8370000*	*2192.060000*	*248.1570000*	*937.1140000*	*116.0770000*	*3446.340000*
RelInt Mean	-0.0000374	0.0001196	0.0067161	0.0000742	0.0004939	0.0006780	0.0076234
RelInt RSD	*207.1263386*	*10.5174548*	*20.4715534*	*1.5681446*	*0.8211868*	*11.5964186*	*28.3082352*
RelInt SD	*0.0000776*	*0.0000126*	*0.0013749*	*0.0000012*	*0.0000041*	*0.0000786*	*0.0021580*

	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	54011.20000	11907.50000	10494.80000	8055.230000	5683.970000	5899.360000	81115.30000
Int RSD	*6.1270810*	*0.8548982*	*0.0897302*	*0.6093706*	*0.9821269*	*3.2791184*	*0.8209524*
Int SD	*3309.310000*	*101.7970000*	*9.4170100*	*49.0862000*	*55.8238000*	*193.4470000*	*665.9180000*
RelInt Mean	0.0006114	-0.0001431	-0.0001091	0.0002800	0.0001273	0.0004528	0.0008256
RelInt RSD	*16.6895661*	*81.8033772*	*15.6414204*	*12.4816012*	*30.9814149*	*29.8924973*	*7.0579607*
RelInt SD	*0.0001020*	*0.0001170*	*0.0000171*	*0.0000350*	*0.0000394*	*0.0001354*	*0.0000583*

	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	143667	5325.600000	18027.80000	1611240	29803100	27315900	14591.40000
Int RSD	*0.3811954*	*0.7432796*	*0.8825370*	*0.3139464*	*0.5934953*	*1.7713713*	*1.0939800*
Int SD	*547.6520000*	*39.5841000*	*159.1020000*	*5058.430000*	*176880*	*483866*	*159.6270000*
RelInt Mean	0.0024054	0.0000247	0.0000523	---	---	---	0.0045379
RelInt RSD	*2.2502193*	*128.1806139*	*13.6176165*	---	---	---	*2.1009742*
RelInt SD	*0.0000541*	*0.0000316*	*0.0000071*	---	---	---	*0.0000953*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	38838.40000	38747.30000	14817.30000	4612.060000	11667.00000	4734.850000	
Int RSD	*1.2192341*	*0.3397450*	*0.5307249*	*0.6306032*	*1.3148110*	*0.8159815*	
Int SD	*473.5310000*	*131.6420000*	*78.6391000*	*29.0838000*	*153.3990000*	*38.6355000*	
RelInt Mean	-0.0004521	0.0001056	0.0012543	0.0002370	0.0001929	-0.0001677	
RelInt RSD	*3.3435527*	*12.9991762*	*1.6759737*	*3.6933773*	*58.6533875*	*17.4379446*	
RelInt SD	*0.0000151*	*0.0000137*	*0.0000210*	*0.0000088*	*0.0001131*	*0.0000292*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICAL,L8,S20135			Sample Type: Calibration Sample
Measure Date: 2024-03-18 09:15:03	Recalculation Date:	State: Measured	Quality:

	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	68413.60000	64311.70000	5214.180000	14804.30000	12026.10000	134271	11668.30000
Int RSD	*0.5945178*	*0.9762423*	*0.2590359*	*0.7741670*	*0.5811826*	*1.2274132*	*1.3581670*
Int SD	*406.7310000*	*627.8380000*	*13.5066000*	*114.6100000*	*69.8936000*	*1648.060000*	*158.4750000*
RelInt Mean	0.0000337	0.0000392	-0.0000386	0.0014202	0.0000308	0.0033742	0.0000968
RelInt RSD	*27.0888650*	*12.5454805*	*26.0121678*	*4.4972010*	*152.4719437*	*3.5232055*	*69.7092700*
RelInt SD	*0.0000091*	*0.0000049*	*0.0000100*	*0.0000639*	*0.0000469*	*0.0001189*	*0.0000675*

	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	11840.40000	67192.70000	17087.60000	14736.60000	80288.90000	13827.80000	8713.350000
Int RSD	*1.2079744*	*0.2810097*	*1.2642325*	*1.1535565*	*0.9760228*	*1.3798724*	*1.8048856*
Int SD	*143.0290000*	*188.8180000*	*216.0270000*	*169.9950000*	*783.6380000*	*190.8060000*	*157.2660000*
RelInt Mean	0.0000064	0.0001199	0.0020680	0.0000703	0.0004970	0.0004017	0.0012817
RelInt RSD	*872.3410217*	*4.0138892*	*5.1043767*	*7.6404520*	*2.3440917*	*23.0895236*	*9.4352725*
RelInt SD	*0.0000560*	*0.0000048*	*0.0001056*	*0.0000054*	*0.0000117*	*0.0000927*	*0.0001209*

	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	56467.60000	12051.90000	10556.60000	7774.250000	5559.640000	5506.160000	67824.60000
Int RSD	*7.9353470*	*1.7631328*	*0.7836131*	*0.9681358*	*1.0290037*	*1.1169999*	*0.8290045*
Int SD	*4480.900000*	*212.4910000*	*82.7229000*	*75.2653000*	*57.2089000*	*61.5038000*	*562.2690000*
RelInt Mean	0.0006635	-0.0000603	-0.0001295	0.0000625	0.0000242	0.0001820	0.0002981
RelInt RSD	*21.0046027*	*189.5075177*	*22.7902325*	*78.6981369*	*146.6091781*	*21.2601995*	*3.6470797*
RelInt SD	*0.0001394*	*0.0001142*	*0.0000295*	*0.0000492*	*0.0000355*	*0.0000387*	*0.0000109*

	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	118448	5276.640000	18107.10000	1639560	30704900	27873600	8147.520000
Int RSD	*3.7818114*	*0.2248154*	*0.6970525*	*0.3575313*	*1.0347469*	*1.7985262*	*0.2547340*
Int SD	*4479.480000*	*11.8627000*	*126.2160000*	*5861.940000*	*317718*	*501314*	*20.7545000*
RelInt Mean	0.0015016	-0.0000216	0.0000500	---	---	---	0.0004673
RelInt RSD	*8.7299124*	*36.2885931*	*4.5580759*	---	---	---	*6.0699756*
RelInt SD	*0.0001311*	*0.0000079*	*0.0000023*	---	---	---	*0.0000284*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	39157.80000	37990.10000	1067140	547262	11577.20000	171947	
Int RSD	*1.3323271*	*0.6315040*	*0.2360121*	*0.5415487*	*0.1367343*	*0.7771872*	
Int SD	*521.7100000*	*239.9090000*	*2518.580000*	*2963.690000*	*15.8300000*	*1336.350000*	
RelInt Mean	-0.0004585	0.0000537	0.6475570	0.3334790	0.0001043	0.1025120	
RelInt RSD	*7.1016633*	*9.5018651*	*0.5753439*	*0.7657484*	*48.9078047*	*0.7907660*	
RelInt SD	*0.0000326*	*0.0000051*	*0.0037257*	*0.0025536*	*0.0000510*	*0.0008106*	

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICV,S20203 | Sample Type: Control Sample

Measure Date: 2024-03-18 09:18:48 | Recalculation Date: | State: Check failed | Quality: Failed

	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	425032	490266	36816.60000	157763	601382	33200900	334861
Int RSD	*1.3472397*	*0.6095161*	*0.2463250*	*0.2149718*	*0.2091150*	*0.6983455*	*0.3979353*
Int SD	*5726.200000*	*2988.250000*	*90.6885000*	*339.1460000*	*1257.580000*	*231857*	*1332.530000*
RelInt Mean	0.0128739	0.0133122	0.0207657	0.0963454	0.3917880	1.3034800	0.2146990
RelInt RSD	*2.8566946*	*0.8100840*	*0.9610608*	*0.4746018*	*0.8401202*	*0.3925162*	*0.8548479*
RelInt SD	*0.0003678*	*0.0001078*	*0.0001996*	*0.0004573*	*0.0032915*	*0.0051164*	*0.0018354*
Conc Mean	0.4865320[mg/l]	0.9916850[mg/l]	1.0443300[mg/l]	1.0370600[mg/l]	1.0525800[mg/l]	51.7533000[mg/l]	1.0793100[mg/l]
Conc RSD	*2.8652586*	*0.8107847*	*0.9595147*	*0.4787756*	*0.8400435*	*0.3937256*	*0.8549610*
Conc SD	*0.0139404[mg/l]*	*0.0080404[mg/l]*	*0.0100205[mg/l]*	*0.0049652[mg/l]*	*0.0088421[mg/l]*	*0.2037660[mg/l]*	*0.0092277[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	266122	930974	493190	6302260	4052510	2499800	200089
Int RSD	*0.2025533*	*1.5192154*	*0.2790791*	*0.2616807*	*0.6423426*	*0.7473358*	*0.4491106*
Int SD	*539.0390000*	*14143.50000*	*1376.390000*	*16491.80000*	*26031.00000*	*18681.90000*	*898.6210000*
RelInt Mean	0.1686630	0.0312440	0.3186040	0.2465370	0.1563790	1.6538000	0.1284910
RelInt RSD	*0.3952515*	*2.7950615*	*0.7596923*	*0.8713053*	*0.6839729*	*0.1935252*	*0.9319797*
RelInt SD	*0.0006666*	*0.0008733*	*0.0024204*	*0.0021481*	*0.0010696*	*0.0032005*	*0.0011975*
Conc Mean	1.0294300[mg/l]	1.0086300[mg/l]	1.0544100[mg/l]	58.2105000[mg/l]	50.6949000[mg/l]	1.0604700[mg/l]	1.0146300[mg/l]
Conc RSD	*0.3951216*	*2.8052903*	*0.7598942*	*0.8714734*	*0.6859664*	*0.1937405*	*0.9319437*
Conc SD	*0.0040675[mg/l]*	*0.0282950[mg/l]*	*0.0080124[mg/l]*	*0.5072890[mg/l]*	*0.3477500[mg/l]*	*0.0020546[mg/l]*	*0.0094558[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	45346300	224918	61817.20000	40681.30000	29062.50000	419031	27960800
Int RSD	*0.1868547*	*0.1144439*	*0.2619255*	*0.1501845*	*0.1413708*	*0.2934580*	*1.1697269*
Int SD	*84731.70000*	*257.4050000*	*161.9150000*	*61.0970000*	*41.0859000*	*1229.680000*	*327065*
RelInt Mean	1.7761500	0.1410910	0.0335984	0.0217472	0.0155182	0.2751290	1.0971600
RelInt RSD	*0.8876840*	*0.7142695*	*0.6659008*	*0.5735175*	*0.6043974*	*0.9050082*	*0.3580672*
RelInt SD	*0.0157666*	*0.0010078*	*0.0002237*	*0.0001247*	*0.0000938*	*0.0024899*	*0.0039286*
Conc Mean	62.3382000[mg/l]	1.0582400[mg/l]	1.0808900[mg/l]	1.0302700[mg/l]	1.0622300[mg/l]	5.1632100[mg/l]	5.8029200[mg/l]
Conc RSD	*0.8878826*	*0.7142302*	*0.6636624*	*0.5741825*	*0.6035407*	*0.9050494*	*0.3587970*
Conc SD	*0.5534900[mg/l]*	*0.0075583[mg/l]*	*0.0071735[mg/l]*	*0.0059156[mg/l]*	*0.0064110[mg/l]*	*0.0467296[mg/l]*	*0.0208207[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	3288310	32047.40000	194195	1516070	27773500	25499100	553777
Int RSD	*1.9515405*	*0.2787880*	*1.4266279*	*0.6137837*	*1.8372225*	*1.0767909*	*0.0583975*
Int SD	*64172.70000*	*89.3443000*	*2770.440000*	*9305.390000*	*510261*	*274572*	*323.3920000*
RelInt Mean	0.1160080	0.0175351	0.0063840	---	---	---	0.3632110
RelInt RSD	*3.3161937*	*0.6626766*	*3.0116964*	---	---	---	*0.6209917*
RelInt SD	*0.0038471*	*0.0001162*	*0.0001923*	---	---	---	*0.0022555*
Conc Mean	1.0301900[mg/l]	1.1062800[mg/l]	1.0058400[mg/l]	1503050	27676600	25422500	1.1008700[mg/l]
Conc RSD	*3.3158641*	*0.6544627*	*3.0345184*	---	---	---	*0.6222406*
Conc SD	*0.0341597[mg/l]*	*0.0072402[mg/l]*	*0.0305224[mg/l]*	*9408.200000*	*510491*	*274174*	*0.0068501[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	10049700	14439700	588460	276675	483557	92584.60000	
Int RSD	*0.6590943*	*0.4990159*	*0.1753832*	*0.1145857*	*0.1194740*	*0.0791794*	
Int SD	*66237.00000*	*72056.40000*	*1032.060000*	*317.0300000*	*577.7250000*	*73.3079000*	
RelInt Mean	0.3926520	0.5627270	0.3819800	0.1808380	0.3133530	0.0579632	
RelInt RSD	*0.4276433*	*0.5935791*	*0.7749751*	*0.6569305*	*0.7491200*	*0.5957314*	
RelInt SD	*0.0016792*	*0.0033402*	*0.0029602*	*0.0011880*	*0.0023474*	*0.0003453*	
Conc Mean	0.9970430[mg/l]	1.2101300[mg/l]	5.8717000[mg/l]	5.4193300[mg/l]	1.0415600[mg/l]	5.6608000[mg/l]	
Conc RSD	*0.4271521*	*0.5938577*	*0.7760121*	*0.6579743*	*0.7483842*	*0.5941051*	
Conc SD	*0.0042589[mg/l]*	*0.0071864[mg/l]*	*0.0455651[mg/l]*	*0.0356578[mg/l]*	*0.0077949[mg/l]*	*0.0336311[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848012	File:	met06_master011	Time:	18-MAR-2024 09:25
Cal:	484112848001	Caldate:	18-MAR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	29502900	-5.84
Yttrium	A	1661850	1601030	-3.66
Yttrium	R	28200600	27263700	-3.32

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICB,1			Sample Type: Control Sample
Measure Date: 2024-03-18 09:25:25	Recalculation Date:	State: Checked	Quality:

	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	66999.90000	62490.50000	5118.640000	14010.20000	11831.60000	130366	11531.40000
Int RSD	*0.6508443*	*1.0876181*	*0.4194200*	*0.8339353*	*0.5754285*	*1.0263719*	*0.9542293*
Int SD	*436.0650000*	*679.6580000*	*21.4686000*	*116.8360000*	*68.0824000*	*1338.040000*	*110.0360000*
RelInt Mean	0.0000349	0.0000228	-0.0000348	0.0010705	0.0000821	0.0033392	0.0001057
RelInt RSD	*7.3175819*	*29.6594982*	*12.3280189*	*3.6317972*	*37.7601285*	*2.4324035*	*64.1747022*
RelInt SD	*0.0000026*	*0.0000068*	*0.0000043*	*0.0000389*	*0.0000310*	*0.0000812*	*0.0000678*
Conc Mean	<-0.0001457[mg/l]	<0.0003178[mg/l]	<0.0000214[mg/l]	0.0023132[mg/l]	<0.0000858[mg/l]	<-0.0065639[mg/l]	<0.0004862[mg/l]
Conc RSD	*66.3825288*	*158.8928117*	*1004.677321*	*18.2521107*	*96.8766208*	*49.2593636*	*70.2861068*
Conc SD	*0.0000967[mg/l]*	*0.0005050[mg/l]*	*0.0002154[mg/l]*	*0.0004222[mg/l]*	*0.0000831[mg/l]*	*0.0032334[mg/l]*	*0.0003417[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	11587.30000	65595.50000	15699.10000	14327.50000	78287.80000	13568.70000	6962.700000
Int RSD	*0.7535138*	*0.5267480*	*0.8820506*	*1.6449066*	*0.2817412*	*1.1547090*	*0.4251713*
Int SD	*87.3119000*	*345.5230000*	*138.4740000*	*235.6740000*	*220.5690000*	*156.6790000*	*29.6034000*
RelInt Mean	-0.0000385	0.0001092	0.0013753	0.0000700	0.0004877	0.0003547	0.0002928
RelInt RSD	*36.1198341*	*8.9760851*	*5.4380976*	*1.4153051*	*4.3411953*	*19.7025354*	*8.0553772*
RelInt SD	*0.0000139*	*0.0000098*	*0.0000748*	*0.0000010*	*0.0000212*	*0.0000699*	*0.0000236*
Conc Mean	<0.0000465[mg/l]	<-0.0001094[mg/l]	0.0037806[mg/l]	<-0.0026864[mg/l]	<0.0058863[mg/l]	<-0.0002276[mg/l]	0.0022500[mg/l]
Conc RSD	*182.3074180*	*290.2357426*	*6.5517807*	*8.7077681*	*116.9543701*	*19.6945227*	*8.2792368*
Conc SD	*0.0000849[mg/l]*	*0.0003175[mg/l]*	*0.0002477[mg/l]*	*0.0002339[mg/l]*	*0.0068842[mg/l]*	*0.0000448[mg/l]*	*0.0001863[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	52980.20000	11952.20000	10341.60000	7490.380000	5399.550000	5302.290000	63860.40000
Int RSD	*6.4631693*	*1.5813658*	*0.8205606*	*0.2066277*	*0.8651906*	*0.4772768*	*1.0235091*
Int SD	*3424.200000*	*189.0080000*	*84.8591000*	*15.4772000*	*46.7164000*	*25.3066000*	*653.6170000*
RelInt Mean	0.0005838	-0.0000582	-0.0001114	-0.0000216	-0.0000053	0.0001330	0.0002038
RelInt RSD	*20.3850634*	*160.9424107*	*50.4880435*	*10.0493378*	*848.1032954*	*14.5764674*	*3.8527795*
RelInt SD	*0.0001190*	*0.0000936*	*0.0000562*	*0.0000022*	*0.0000450*	*0.0000194*	*0.0000079*
Conc Mean	<0.0001930[mg/l]	<-0.0005548[mg/l]	<0.0003944[mg/l]	<-0.0009947[mg/l]	<0.0013197[mg/l]	<0.0016198[mg/l]	<-0.0067220[mg/l]
Conc RSD	*2164.700519*	*126.5582504*	*457.2782523*	*10.4119039*	*232.8334685*	*22.4683607*	*0.6185468*
Conc SD	*0.0041782[mg/l]*	*0.0007022[mg/l]*	*0.0018035[mg/l]*	*0.0001036[mg/l]*	*0.0030727[mg/l]*	*0.0003639[mg/l]*	*0.0000416[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	75507.20000	5179.140000	17736.60000	1601030	29502900	27263700	7750.320000
Int RSD	*0.3924209*	*0.4599972*	*1.1348737*	*1.0759074*	*0.4952327*	*1.4025242*	*0.6357892*
Int SD	*296.3060000*	*23.8239000*	*201.2880000*	*17225.60000*	*146108*	*382380*	*49.2757000*
RelInt Mean	0.0001514	-0.0000269	0.0000518	---	---	---	0.0003128
RelInt RSD	*10.8668894*	*28.6624512*	*12.4817811*	---	---	---	*12.0029604*
RelInt SD	*0.0000165*	*0.0000077*	*0.0000065*	---	---	---	*0.0000375*
Conc Mean	0.0014361[mg/l]	<0.0011573[mg/l]	<0.0008889[mg/l]	1588340	29408300	27187700	<-0.0012533[mg/l]
Conc RSD	*10.1751259*	*42.0364994*	*115.4824048*	---	---	---	*9.1003096*
Conc SD	*0.0001461[mg/l]*	*0.0004865[mg/l]*	*0.0010265[mg/l]*	*17274.00000*	*146579*	*381865*	*0.0001141[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	38219.40000	36903.40000	14423.60000	4704.260000	11395.70000	4676.730000	
Int RSD	*1.5130719*	*1.4196334*	*0.9083932*	*2.1473515*	*1.7136376*	*1.3263627*	
Int SD	*578.2870000*	*523.8930000*	*131.0230000*	*101.0170000*	*195.2810000*	*62.0304000*	
RelInt Mean	-0.0004687	0.0000429	0.0010623	0.0003291	0.0000353	-0.0001628	
RelInt RSD	*3.7563157*	*15.1970594*	*8.2095210*	*20.6916752*	*221.9512818*	*32.8128820*	
RelInt SD	*0.0000176*	*0.0000065*	*0.0000872*	*0.0000681*	*0.0000783*	*0.0000534*	
Conc Mean	<-0.0000142[mg/l]	<-0.0004458[mg/l]	0.0059959[mg/l]	<0.0023481[mg/l]	<-0.0000324[mg/l]	<-0.0008539[mg/l]	
Conc RSD	*314.5766844*	*3.1474985*	*22.4806033*	*87.0321237*	*806.9897504*	*609.3403067*	
Conc SD	*0.0000447[mg/l]*	*0.0000140[mg/l]*	*0.0013479[mg/l]*	*0.0020436[mg/l]*	*0.0002613[mg/l]*	*0.0052032[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848013	File:	met06_master011	Time:	18-MAR-2024 09:28
Cal:	484112848001	Caldate:	18-MAR-2024		

Standards: S20136, S16862 (100X)

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	[0.003061]	0.003333	mg/l	

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Iron	A	160.0	141.7	mg/l	89	
Aluminum	R	400.0	360.3	mg/l	90	
Calcium	R	400.0	231.2	mg/l	58	
Magnesium	R	400.0	382.1	mg/l	96	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	26086700	-16.74
Yttrium	A	1661850	1420830	-14.50
Yttrium	R	28200600	23751900	-15.78

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICSA,S20136			Sample Type: Control Sample
Measure Date: 2024-03-18 09:28:44	Recalculation Date:	State: Check failed	Quality: Failed

	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	67109.90000	114941000	12954.00000	17659.70000	15868.00000	137708000	13652.30000
Int RSD	*0.5809605*	*0.3810511*	*0.3451251*	*0.6761610*	*0.4190528*	*0.3216233*	*0.4738454*
Int SD	*389.8820000*	*437984*	*44.7075000*	*119.4080000*	*66.4953000*	*442901*	*64.6908000*
RelInt Mean	0.0000147	4.8304400	0.0000208	0.0014083	0.0017009	5.8106800	0.0003867
RelInt RSD	*110.6414699*	*0.3261690*	*111.3190077*	*6.9639507*	*4.5742144*	*0.7147494*	*17.4516461*
RelInt SD	*0.0000163*	*0.0157554*	*0.0000232*	*0.0000981*	*0.0000778*	*0.0415318*	*0.0000675*
Conc Mean	<-0.0009102[mg/l]	>360.3430000[mg/l]	<0.0028185[mg/l]	0.0059827[mg/l]	0.0044660[mg/l]	>231.1880000[mg/l]	0.0018987[mg/l]
Conc RSD	*67.6893107*	*0.3260061*	*41.3588175*	*17.8038825*	*4.6443334*	*0.7150458*	*17.8941825*
Conc SD	*0.0006161[mg/l]*	*1.1747400[mg/l]*	*0.0011657[mg/l]*	*0.0010652[mg/l]*	*0.0002074[mg/l]*	*1.6531000[mg/l]*	*0.0003398[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	13711.90000	69568.60000	60198600	15455.70000	27972600	26541.50000	18687.80000
Int RSD	*0.4881227*	*0.3110613*	*0.6134262*	*0.2328992*	*0.3218156*	*0.4777499*	*0.6232569*
Int SD	*66.9309000*	*216.4010000*	*369274*	*35.9962000*	*90020.20000*	*126.8020000*	*116.4730000*
RelInt Mean	-0.0005235	0.0001847	42.7951000	0.0001474	1.1757100	0.0056047	-0.0002240
RelInt RSD	*10.4027332*	*2.0449306*	*0.5432000*	*1.2646716*	*0.4658104*	*1.3597586*	*36.7671721*
RelInt SD	*0.0000545*	*0.0000038*	*0.2324630*	*0.0000019*	*0.0054766*	*0.0000762*	*0.0000823*
Conc Mean	<-0.0029128[mg/l]	0.0023369[mg/l]	>141.7330000[mg/l]	<0.0155898[mg/l]	>382.1380000[mg/l]	0.0031403[mg/l]	<-0.0018312[mg/l]
Conc RSD	*11.4080121*	*5.2356745*	*0.5431636*	*2.8233204*	*0.4662347*	*1.5567918*	*35.5128443*
Conc SD	*0.0003323[mg/l]*	*0.0001224[mg/l]*	*0.7698420[mg/l]*	*0.0004402[mg/l]*	*1.7816600[mg/l]*	*0.0000489[mg/l]*	*0.0006503[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	123927	13846.30000	26070.50000	22274.70000	14939.40000	12875.80000	129359
Int RSD	*1.5251156*	*1.4500047*	*0.5227748*	*1.0915164*	*1.2109054*	*0.7733795*	*0.4638216*
Int SD	*1890.030000*	*200.7720000*	*136.2900000*	*243.1320000*	*180.9020000*	*99.5788000*	*599.9950000*
RelInt Mean	0.0034671	-0.0000529	0.0032252	-0.0000504	-0.0000348	0.0000412	0.0026270
RelInt RSD	*2.0246573*	*297.3069597*	*3.2013196*	*306.6577254*	*336.5984330*	*236.0435027*	*1.8067272*
RelInt SD	*0.0000702*	*0.0001572*	*0.0001032*	*0.0001546*	*0.0001171*	*0.0000971*	*0.0000475*
Conc Mean	0.1014230[mg/l]	<-0.0005151[mg/l]	<0.0030611[mg/l]	<-0.0023486[mg/l]	<-0.0006958[mg/l]	<-0.0001045[mg/l]	0.0061115[mg/l]
Conc RSD	*2.4300109*	*228.8889277*	*105.8657886*	*313.6831617*	*1150.295423*	*1744.839861*	*4.1131704*
Conc SD	*0.0024646[mg/l]*	*0.0011790[mg/l]*	*0.0032407[mg/l]*	*0.0073671[mg/l]*	*0.0080036[mg/l]*	*0.0018234[mg/l]*	*0.0002514[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	83540.80000	13180.90000	21145.80000	1420830	26086700	23751900	22513.20000
Int RSD	*0.4639099*	*0.4964244*	*1.2032035*	*0.1406305*	*1.3925640*	*0.4246523*	*0.7845175*
Int SD	*387.5540000*	*65.4332000*	*254.4270000*	*1998.120000*	*363274*	*100863*	*176.6200000*
RelInt Mean	0.0003306	-0.0000357	0.0000439	---	---	---	0.0010118
RelInt RSD	*3.2572396*	*215.7942972*	*25.2701807*	---	---	---	*10.6454642*
RelInt SD	*0.0000108*	*0.0000770*	*0.0000111*	---	---	---	*0.0001077*
Conc Mean	0.0030274[mg/l]	<0.0006060[mg/l]	<-0.0003659[mg/l]	1406160	25977800	23664700	<0.0008722[mg/l]
Conc RSD	*3.1588690*	*803.3211057*	*481.2193229*	---	---	---	*37.5307427*
Conc SD	*0.0000956[mg/l]*	*0.0048681[mg/l]*	*0.0017608[mg/l]*	*1970.340000*	*363217*	*100672*	*0.0003273[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	41649.60000	39322.80000	18302.90000	9909.950000	13565.20000	12419.80000	
Int RSD	*0.3977589*	*0.4501155*	*0.5259904*	*0.8453675*	*0.5483384*	*0.8667048*	
Int SD	*165.6650000*	*176.9980000*	*96.2715000*	*83.7755000*	*74.3832000*	*107.6430000*	
RelInt Mean	-0.0005465	0.0001454	0.0014449	0.0002695	-0.0005477	0.0007533	
RelInt RSD	*2.2030508*	*8.9804159*	*10.3155257*	*33.4096483*	*6.9001477*	*8.5625139*	
RelInt SD	*0.0000120*	*0.0000131*	*0.0001490*	*0.0000900*	*0.0000378*	*0.0000645*	
Conc Mean	<-0.0002115[mg/l]	<-0.0002254[mg/l]	0.0120023[mg/l]	<0.0005591[mg/l]	<-0.0019877[mg/l]	0.0883807[mg/l]	
Conc RSD	*14.4357717*	*12.4623856*	*19.1126701*	*483.3120773*	*6.1581688*	*7.1089503*	
Conc SD	*0.0000305[mg/l]*	*0.0000281[mg/l]*	*0.0022940[mg/l]*	*0.0027020[mg/l]*	*0.0001224[mg/l]*	*0.0062829[mg/l]*	

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848014	File:	met06_master011	Time:	18-MAR-2024 09:32
Cal:	484112848001	Caldate:	18-MAR-2024		

Standards: S20133, S16862 (100X)

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.067	mg/l	7	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	26171700	-16.47
Yttrium	A	1661850	1407030	-15.33
Yttrium	R	28200600	23686700	-16.01

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: ICSAB,S20133 | Sample Type: Control Sample

Measure Date: 2024-03-18 09:32:03 | Recalculation Date: | State: Check failed | Quality: Failed

	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	779477	119699000	13590.30000	18122.60000	290195	136564000	154172
Int RSD	*2.0557887*	*0.8114838*	*0.4240554*	*0.4169004*	*0.1312169*	*0.2752453*	*0.3736612*
Int SD	*16024.40000*	*971338*	*57.6304000*	*75.5532000*	*380.7850000*	*375886*	*576.0810000*
RelInt Mean	0.0272587	5.0448600	0.0001454	0.0015878	0.1985580	5.7783700	0.1010500
RelInt RSD	*3.3059867*	*0.2447759*	*2.7300384*	*3.1672986*	*0.4494259*	*1.3317475*	*0.0257298*
RelInt SD	*0.0009012*	*0.0123486*	*0.0000040*	*0.0000503*	*0.0008924*	*0.0769533*	*0.0000260*
Conc Mean	1.0318000[mg/l]	>376.3390000[mg/l]	0.0086233[mg/l]	0.0079313[mg/l]	0.5352790[mg/l]	>229.9020000[mg/l]	0.5087900[mg/l]
Conc RSD	*3.3109033*	*0.2447873*	*2.3100402*	*6.8865390*	*0.4497953*	*1.3326548*	*0.0257483*
Conc SD	*0.0341619[mg/l]*	*0.9212300[mg/l]*	*0.0001992[mg/l]*	*0.0005462[mg/l]*	*0.0024077[mg/l]*	*3.0638000[mg/l]*	*0.0001310[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	130779	502866	62736400	15755.50000	29523000	1190980	19288.60000
Int RSD	*0.2337279*	*1.8840307*	*0.5155779*	*1.6472470*	*0.5438709*	*0.3603646*	*1.0370996*
Int SD	*305.6670000*	*9474.150000*	*323455*	*259.5320000*	*160567*	*4291.870000*	*200.0420000*
RelInt Mean	0.0833070	0.0167429	45.0517000	0.0001545	1.2445600	0.8419040	-0.0003850
RelInt RSD	*0.6208002*	*3.0592191*	*0.5863552*	*5.6034390*	*0.5117142*	*0.4148965*	*23.8493727*
RelInt SD	*0.0005172*	*0.0005122*	*0.2641630*	*0.0000087*	*0.0063686*	*0.0034930*	*0.0000918*
Conc Mean	0.5086070[mg/l]	0.5388080[mg/l]	>149.2070000[mg/l]	<0.0172814[mg/l]	>404.5250000[mg/l]	0.5396300[mg/l]	<-0.0031028[mg/l]
Conc RSD	*0.6204948*	*3.0798726*	*0.5861796*	*11.8337056*	*0.5119733*	*0.4153235*	*23.3689360*
Conc SD	*0.0031559[mg/l]*	*0.0165946[mg/l]*	*0.8746210[mg/l]*	*0.0020450[mg/l]*	*2.0710600[mg/l]*	*0.0022412[mg/l]*	*0.0007251[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	129311	203477	73141.20000	23190.30000	15665.40000	13144.40000	133430
Int RSD	*1.2246831*	*0.1714400*	*0.3850443*	*1.0237341*	*1.8217664*	*0.1387678*	*0.4272840*
Int SD	*1583.650000*	*348.8410000*	*281.6260000*	*237.4070000*	*285.3870000*	*18.2402000*	*570.1250000*
RelInt Mean	0.0036689	0.1359090	0.0365508	0.0000394	0.0000899	-0.0001451	0.0027556
RelInt RSD	*2.8191947*	*0.3386288*	*0.2758900*	*356.3110396*	*243.9872562*	*18.6294413*	*2.0585507*
RelInt SD	*0.0001034*	*0.0004602*	*0.0001008*	*0.0001403*	*0.0002193*	*0.0000270*	*0.0000567*
Conc Mean	0.1085080[mg/l]	1.0193700[mg/l]	1.0668700[mg/l]	<-0.0010710[mg/l]	<0.0078234[mg/l]	<-0.0036008[mg/l]	0.0067925[mg/l]
Conc RSD	*3.3465735*	*0.3384502*	*0.2883247*	*625.5630252*	*191.5313252*	*14.0919745*	*4.4225348*
Conc SD	*0.0036313[mg/l]*	*0.0034501[mg/l]*	*0.0030760[mg/l]*	*0.0066998[mg/l]*	*0.0149843[mg/l]*	*0.0005074[mg/l]*	*0.0003004[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	84712.10000	13863.80000	103285	1407030	26171700	23686700	504388
Int RSD	*0.3560507*	*0.7931087*	*0.3812945*	*0.3882988*	*1.3824475*	*1.0481536*	*0.3629190*
Int SD	*301.6180000*	*109.9550000*	*393.8200000*	*5463.480000*	*361810*	*248273*	*1830.520000*
RelInt Mean	0.0003336	0.0001250	0.0031815	---	---	---	0.3464250
RelInt RSD	*4.5297426*	*55.3638320*	*1.7784899*	---	---	---	*0.6451988*
RelInt SD	*0.0000151*	*0.0000692*	*0.0000566*	---	---	---	*0.0022351*
Conc Mean	0.0030533[mg/l]	0.0107682[mg/l]	0.4977820[mg/l]	1392060	26061600	23599000	1.0501200[mg/l]
Conc RSD	*4.3940798*	*40.6504337*	*1.8046755*	---	---	---	*0.6464128*
Conc SD	*0.0001342[mg/l]*	*0.0043773[mg/l]*	*0.0089834[mg/l]*	*5442.690000*	*361281*	*248552*	*0.0067881[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	4807130	39761.70000	18304.10000	10439.30000	465638	13096.60000	
Int RSD	*0.3786272*	*1.9269548*	*0.1189613*	*1.6744418*	*0.4049798*	*0.6390628*	
Int SD	*18201.10000*	*766.1900000*	*21.7748000*	*174.8000000*	*1885.740000*	*83.6955000*	
RelInt Mean	0.2010340	0.0001475	0.0013217	0.0004279	0.3235530	0.0009746	
RelInt RSD	*1.2264891*	*7.2768126*	*4.6332932*	*35.8663339*	*0.4437017*	*3.5229846*	
RelInt SD	*0.0024657*	*0.0000107*	*0.0000612*	*0.0001535*	*0.0014356*	*0.0000343*	
Conc Mean	0.5110490[mg/l]	<-0.0002207[mg/l]	0.0101268[mg/l]	<0.0053118[mg/l]	1.0793600[mg/l]	0.1099360[mg/l]	
Conc RSD	*1.2236498*	*10.4640016*	*9.2610203*	*86.6992357*	*0.4439964*	*3.0423792*	
Conc SD	*0.0062534[mg/l]*	*0.0000231[mg/l]*	*0.0009378[mg/l]*	*0.0046053[mg/l]*	*0.0047923[mg/l]*	*0.0033447[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 504506 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848072	File:	met06_master011	Time:	18-MAR-2024 13:25
Cal:	484112848001	Caldate:	18-MAR-2024		

Standards: S20203, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0251	0.0340	1.000	1.093	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	28598400	-8.72
Yttrium	A	1661850	1525760	-8.19
Yttrium	R	28200600	25696500	-8.88

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S20203				Sample Type: Control Sample			
Measure Date: 2024-03-18 13:25:16		Recalculation Date:		State: Check failed		Quality: Failed	

	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	422955	495457	37096.40000	156393	602450	33074200	336102
Int RSD	*1.9756050*	*0.5284576*	*0.4513484*	*0.1652715*	*0.1592921*	*0.4606128*	*0.0709038*
Int SD	*8355.920000*	*2618.280000*	*167.4340000*	*258.4730000*	*959.6550000*	*152344*	*238.3090000*
RelInt Mean	0.0124149	0.0133665	0.0208154	0.0948278	0.3899900	1.2885100	0.2141930
RelInt RSD	*2.9184367*	*1.1475629*	*1.2908712*	*0.9246139*	*0.9169440*	*0.5308480*	*0.8363439*
RelInt SD	*0.0003623*	*0.0001534*	*0.0002687*	*0.0008768*	*0.0035760*	*0.0068400*	*0.0017914*
Conc Mean	0.4691320[mg/l]	0.9957390[mg/l]	1.0468300[mg/l]	1.0205800[mg/l]	1.0477400[mg/l]	51.1572000[mg/l]	1.0768200[mg/l]
Conc RSD	*2.9277687*	*1.1497390*	*1.2887575*	*0.9330008*	*0.9168792*	*0.5322007*	*0.8401543*
Conc SD	*0.0137351[mg/l]*	*0.0114484[mg/l]*	*0.0134911[mg/l]*	*0.0095220[mg/l]*	*0.0096065[mg/l]*	*0.2722590[mg/l]*	*0.0090470[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	267268	926904	499391	6356770	4104390	2505480	200722
Int RSD	*0.3205019*	*2.1023105*	*0.5010803*	*0.3079158*	*0.5097079*	*0.3047935*	*0.4016107*
Int SD	*856.5990000*	*19486.40000*	*2502.350000*	*19573.50000*	*20920.40000*	*7636.540000*	*806.1210000*
RelInt Mean	0.1683190	0.0301603	0.3206510	0.2467870	0.1571490	1.6469900	0.1280570
RelInt RSD	*1.0658512*	*2.7944649*	*1.2279987*	*1.1718324*	*1.3726400*	*0.4389996*	*1.0548974*
RelInt SD	*0.0017940*	*0.0008428*	*0.0039376*	*0.0028919*	*0.0021571*	*0.0072303*	*0.0013509*
Conc Mean	1.0273400[mg/l]	0.9735170[mg/l]	1.0611900[mg/l]	58.2696000[mg/l]	50.9456000[mg/l]	1.0560900[mg/l]	1.0112100[mg/l]
Conc RSD	*1.0654895*	*2.8048817*	*1.2286113*	*1.1724004*	*1.3766763*	*0.4393735*	*1.0551913*
Conc SD	*0.0109462[mg/l]*	*0.0273060[mg/l]*	*0.0130379[mg/l]*	*0.6831530[mg/l]*	*0.7013560[mg/l]*	*0.0046402[mg/l]*	*0.0106702[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	46458000	226788	62619.20000	40730.50000	29321.60000	420822	28216300
Int RSD	*0.9473245*	*0.4047401*	*0.4666492*	*0.9257903*	*0.5010504*	*0.3711831*	*0.8177472*
Int SD	*440108*	*917.9020000*	*292.2120000*	*377.0790000*	*146.9160000*	*1562.020000*	*230738*
RelInt Mean	1.8058500	0.1414650	0.0339654	0.0216285	0.0155795	0.2745410	1.0986600
RelInt RSD	*0.2845690*	*1.1993709*	*1.4292928*	*1.9324549*	*0.8751115*	*1.0907915*	*0.2616415*
RelInt SD	*0.0051389*	*0.0016967*	*0.0004855*	*0.0004180*	*0.0001363*	*0.0029947*	*0.0028746*
Conc Mean	63.3806000[mg/l]	1.0610400[mg/l]	1.0926600[mg/l]	1.0246300[mg/l]	1.0664100[mg/l]	5.1521800[mg/l]	5.8108700[mg/l]
Conc RSD	*0.2846896*	*1.1995495*	*1.4243955*	*1.9374213*	*0.8736368*	*1.0909246*	*0.2616648*
Conc SD	*0.1804380[mg/l]*	*0.0127277[mg/l]*	*0.0155638[mg/l]*	*0.0198514[mg/l]*	*0.0093165[mg/l]*	*0.0562064[mg/l]*	*0.0152050[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	3261900	32073.00000	193563	1525760	28598400	25696500	559155
Int RSD	*2.7615132*	*0.4558663*	*1.8808863*	*0.7442717*	*0.5243021*	*0.9033565*	*0.2562205*
Int SD	*90077.80000*	*146.2100000*	*3640.700000*	*11355.80000*	*149942*	*232131*	*1432.670000*
RelInt Mean	0.1116930	0.0174348	0.0061753	---	---	---	0.3644350
RelInt RSD	*3.3450261*	*0.9964324*	*2.5733653*	---	---	---	*0.9993058*
RelInt SD	*0.0037362*	*0.0001737*	*0.0001589*	---	---	---	*0.0036418*
Conc Mean	0.9918860[mg/l]	1.1000500[mg/l]	0.9727000[mg/l]	1512800	28500600	25619300	1.1045900[mg/l]
Conc RSD	*3.3447594*	*1.0034453*	*2.5937185*	---	---	---	*1.0012312*
Conc SD	*0.0331762[mg/l]*	*0.0110384[mg/l]*	*0.0252291[mg/l]*	*11266.50000*	*149434*	*232478*	*0.0110595[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	10173100	14683700	585069	277942	484596	93993.20000	
Int RSD	*0.6686182*	*0.5668673*	*0.3268606*	*0.2831936*	*0.2586319*	*0.5464789*	
Int SD	*68019.20000*	*83237.10000*	*1912.360000*	*787.1140000*	*1253.320000*	*513.6530000*	
RelInt Mean	0.3944330	0.5679270	0.3773970	0.1805050	0.3121150	0.0585170	
RelInt RSD	*0.2560486*	*0.3666528*	*1.0030021*	*0.9626215*	*0.9977957*	*1.3083019*	
RelInt SD	*0.0010099*	*0.0020823*	*0.0037853*	*0.0017376*	*0.0031143*	*0.0007656*	
Conc Mean	1.0015600[mg/l]	1.2213200[mg/l]	5.8009300[mg/l]	5.4093300[mg/l]	1.0374200[mg/l]	5.7147500[mg/l]	
Conc RSD	*0.2556242*	*0.3668809*	*1.0045682*	*0.9640436*	*0.9968672*	*1.3048480*	
Conc SD	*0.0025602[mg/l]*	*0.0044808[mg/l]*	*0.0582743[mg/l]*	*0.0521483[mg/l]*	*0.0103417[mg/l]*	*0.0745688[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848073	File:	met06_master011	Time:	18-MAR-2024 13:28
Cal:	484112848001	Caldate:	18-MAR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	29857500	-4.70
Yttrium	A	1661850	1621790	-2.41
Yttrium	R	28200600	27294000	-3.21

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2024-03-18 13:28:32	Recalculation Date:	State: Checked	Quality:

	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	68736.70000	64317.20000	5137.370000	13495.20000	11863.20000	133824	11585.80000
Int RSD	*0.6810568*	*0.7731229*	*1.2555529*	*0.3217166*	*0.2977822*	*0.3104914*	*0.9804071*
Int SD	*468.1360000*	*497.2510000*	*64.5024000*	*43.4163000*	*35.3265000*	*415.5120000*	*113.5880000*
RelInt Mean	0.0000377	0.0000197	-0.0000826	0.0007069	0.0000421	0.0034088	0.0000480
RelInt RSD	*32.1757060*	*45.6524096*	*17.8162748*	*5.1892352*	*66.1451479*	*1.5858318*	*95.1948961*
RelInt SD	*0.0000121*	*0.0000090*	*0.0000147*	*0.0000367*	*0.0000278*	*0.0000541*	*0.0000457*
Conc Mean	<-0.0000386[mg/l]	<0.0000880[mg/l]	<-0.0023843[mg/l]	<-0.0016354[mg/l]	<-0.0000367[mg/l]	<-0.0037927[mg/l]	<0.0001897[mg/l]
Conc RSD	*1191.871728*	*763.7755740*	*31.0243591*	*24.3605234*	*197.2807379*	*56.7394904*	*121.3883193*
Conc SD	*0.0004596[mg/l]*	*0.0006723[mg/l]*	*0.0007397[mg/l]*	*0.0003984[mg/l]*	*0.0000724[mg/l]*	*0.0021520[mg/l]*	*0.0002303[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	11655.90000	67024.70000	17745.00000	14951.40000	80033.10000	13483.20000	7872.970000
Int RSD	*0.7297317*	*0.1854257*	*2.4919301*	*2.2363926*	*0.5185342*	*0.8486561*	*3.4342059*
Int SD	*85.0568000*	*124.2810000*	*442.1930000*	*334.3720000*	*414.9990000*	*114.4260000*	*270.3740000*
RelInt Mean	-0.0000486	0.0001136	0.0025589	0.0000881	0.0004849	0.0002587	0.0008023
RelInt RSD	*61.5321008*	*6.7977964*	*13.6422894*	*4.2574081*	*1.9451897*	*20.4276977*	*23.0610742*
RelInt SD	*0.0000299*	*0.0000077*	*0.0003491*	*0.0000038*	*0.0000094*	*0.0000528*	*0.0001850*
Conc Mean	<-0.0000152[mg/l]	<0.0000349[mg/l]	0.0077007[mg/l]	<0.0015940[mg/l]	<0.0049579[mg/l]	<-0.0002892[mg/l]	0.0062732[mg/l]
Conc RSD	*1202.451927*	*717.2178598*	*15.0139274*	*55.5805039*	*61.8526280*	*11.7209782*	*23.2908616*
Conc SD	*0.0001825[mg/l]*	*0.0002503[mg/l]*	*0.0011562[mg/l]*	*0.0008859[mg/l]*	*0.0030666[mg/l]*	*0.0000339[mg/l]*	*0.0014611[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	59170.30000	11923.30000	10513.60000	7625.430000	5500.760000	5624.410000	65626.10000
Int RSD	*3.3282576*	*1.1739367*	*0.7188327*	*0.5034746*	*0.6706782*	*1.3672527*	*0.5508830*
Int SD	*1969.340000*	*139.9720000*	*75.5752000*	*38.3921000*	*36.8924000*	*76.8999000*	*361.5230000*
RelInt Mean	0.0007846	-0.0001561	-0.0001315	-0.0000169	0.0000067	0.0002731	0.0002039
RelInt RSD	*9.0257804*	*56.5879075*	*8.2294646*	*78.2860194*	*77.2575086*	*17.3007040*	*2.3788397*
RelInt SD	*0.0000708*	*0.0000884*	*0.0000108*	*0.0000132*	*0.0000052*	*0.0000473*	*0.0000049*
Conc Mean	<0.0072424[mg/l]	<-0.0012897[mg/l]	<-0.0002494[mg/l]	<-0.0007670[mg/l]	<0.0021396[mg/l]	0.0042499[mg/l]	<-0.0067213[mg/l]
Conc RSD	*34.3289517*	*51.3869009*	*139.1480576*	*82.1099087*	*16.5245860*	*20.8709105*	*0.3821882*
Conc SD	*0.0024862[mg/l]*	*0.0006627[mg/l]*	*0.0003471[mg/l]*	*0.0006298[mg/l]*	*0.0003536[mg/l]*	*0.0008870[mg/l]*	*0.0000257[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	88966.10000	5269.850000	18215.30000	1621790	29857500	27294000	7703.160000
Int RSD	*0.3643096*	*0.3835062*	*0.5076205*	*0.5399682*	*1.2890229*	*0.9971019*	*0.0405579*
Int SD	*324.1120000*	*20.2102000*	*92.4646000*	*8757.150000*	*384870*	*272149*	*3.1242400*
RelInt Mean	0.0005490	-0.0000083	0.0000526	---	---	---	0.0002117
RelInt RSD	*4.2189905*	*213.5531308*	*7.4814214*	---	---	---	*13.9452540*
RelInt SD	*0.0000232*	*0.0000177*	*0.0000039*	---	---	---	*0.0000295*
Conc Mean	0.0049663[mg/l]	<0.0023125[mg/l]	<0.0010186[mg/l]	1609080	29760700	27216900	<-0.0015604[mg/l]
Conc RSD	*4.1413326*	*48.4879804*	*61.4184174*	---	---	---	*5.7520299*
Conc SD	*0.0002057[mg/l]*	*0.0011213[mg/l]*	*0.0006256[mg/l]*	*8783.640000*	*385794*	*271855*	*0.0000898[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	39532.20000	37912.30000	14609.90000	4716.850000	11655.70000	4837.240000	
Int RSD	*1.3049261*	*0.9617301*	*0.4431502*	*1.8316419*	*0.4134381*	*1.6330573*	
Int SD	*515.8660000*	*364.6140000*	*64.7438000*	*86.3958000*	*48.1891000*	*78.9949000*	
RelInt Mean	-0.0004501	0.0000680	0.0011333	0.0002691	0.0001623	-0.0001076	
RelInt RSD	*5.5727799*	*13.0501441*	*13.9562854*	*13.6774599*	*17.3582813*	*49.0629066*	
RelInt SD	*0.0000251*	*0.0000089*	*0.0001582*	*0.0000368*	*0.0000282*	*0.0000528*	
Conc Mean	<0.0000328[mg/l]	<-0.0003919[mg/l]	0.0070025[mg/l]	<0.0005459[mg/l]	<0.0004003[mg/l]	<0.0045240[mg/l]	
Conc RSD	*193.8947048*	*4.8702946*	*34.4516418*	*202.3159615*	*24.0350404*	*113.6507817*	
Conc SD	*0.0000636[mg/l]*	*0.0000191[mg/l]*	*0.0024125[mg/l]*	*0.0011044[mg/l]*	*0.0000962[mg/l]*	*0.0051415[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 504506 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848084	File:	met06_master011	Time:	18-MAR-2024 14:49
Cal:	484112848001	Caldate:	18-MAR-2024		

Standards: S20203, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0251	0.0341	1.000	1.097	mg/l	10	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	28983600	-7.49
Yttrium	A	1661850	1589740	-4.34
Yttrium	R	28200600	25987700	-7.85

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S20203			Sample Type: Control Sample
Measure Date: 2024-03-18 14:49:22	Recalculation Date:	State: Check failed	Quality: Failed

	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	432206	502438	38005.10000	160268	625726	33690100	349711
Int RSD	*1.8708509*	*0.5301888*	*0.6577512*	*0.3991751*	*0.3814977*	*1.0755682*	*0.3977942*
Int SD	*8085.930000*	*2663.870000*	*249.9790000*	*639.7500000*	*2387.130000*	*362360*	*1391.130000*
RelInt Mean	0.0125382	0.0134886	0.0205094	0.0933880	0.3888940	1.2977200	0.2139850
RelInt RSD	*1.8374328*	*0.9856916*	*0.4663481*	*0.1992526*	*0.2761138*	*0.1909649*	*0.3442489*
RelInt SD	*0.0002304*	*0.0001330*	*0.0000956*	*0.0001861*	*0.0010738*	*0.0024782*	*0.0007366*
Conc Mean	0.4738070[mg/l]	1.0048500[mg/l]	1.0314600[mg/l]	1.0049400[mg/l]	1.0447700[mg/l]	51.5239000[mg/l]	1.0757700[mg/l]
Conc RSD	*1.8431197*	*0.9870150*	*0.4657524*	*0.2008219*	*0.2791370*	*0.1912844*	*0.3481311*
Conc SD	*0.0087328[mg/l]*	*0.0099180[mg/l]*	*0.0048040[mg/l]*	*0.0020181[mg/l]*	*0.0029163[mg/l]*	*0.0985572[mg/l]*	*0.0037451[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	277650	951517	513758	6466100	4179560	2596950	210261
Int RSD	*0.3578826*	*1.9879834*	*0.2127578*	*0.2921916*	*0.1636328*	*0.1353715*	*0.6716319*
Int SD	*993.6610000*	*18916.00000*	*1093.060000*	*18893.40000*	*6839.130000*	*3515.530000*	*1412.180000*
RelInt Mean	0.1680590	0.0306009	0.3167060	0.2482090	0.1582490	1.6382200	0.1288870
RelInt RSD	*0.1784653*	*1.7067537*	*0.1406879*	*0.9695700*	*0.8118408*	*0.2350283*	*0.7034705*
RelInt SD	*0.0002999*	*0.0005223*	*0.0004456*	*0.0024066*	*0.0012847*	*0.0038503*	*0.0009067*
Conc Mean	1.0257500[mg/l]	0.9877920[mg/l]	1.0481300[mg/l]	58.6054000[mg/l]	51.3031000[mg/l]	1.0504700[mg/l]	1.0177600[mg/l]
Conc RSD	*0.1781701*	*1.7128910*	*0.1408499*	*0.9699038*	*0.8143290*	*0.2351490*	*0.7036374*
Conc SD	*0.0018276[mg/l]*	*0.0169198[mg/l]*	*0.0014763[mg/l]*	*0.5684160[mg/l]*	*0.4177760[mg/l]*	*0.0024702[mg/l]*	*0.0071613[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	47447800	236111	65220.60000	41887.90000	29810.50000	440202	28683600
Int RSD	*0.2240020*	*0.5366798*	*0.1735035*	*0.2946173*	*0.2152238*	*0.5431188*	*0.7826354*
Int SD	*106284*	*1267.160000*	*113.1600000*	*123.4090000*	*64.1593000*	*2390.820000*	*224488*
RelInt Mean	1.8237600	0.1415280	0.0340985	0.0214365	0.0152066	0.2756760	1.1043400
RelInt RSD	*0.9842249*	*0.6352376*	*0.1604640*	*0.1094890*	*0.7327213*	*0.3764709*	*0.1336989*
RelInt SD	*0.0179499*	*0.0008990*	*0.0000547*	*0.0000235*	*0.0001114*	*0.0010378*	*0.0014765*
Conc Mean	64.0096000[mg/l]	1.0615200[mg/l]	1.0969200[mg/l]	1.0154800[mg/l]	1.0409300[mg/l]	5.1734700[mg/l]	5.8409700[mg/l]
Conc RSD	*0.9845461*	*0.6350139*	*0.1600609*	*0.1097215*	*0.7316755*	*0.3765306*	*0.1336968*
Conc SD	*0.6302040[mg/l]*	*0.0067408[mg/l]*	*0.0017557[mg/l]*	*0.0011142[mg/l]*	*0.0076162[mg/l]*	*0.0194797[mg/l]*	*0.0078092[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	3320370	32610.30000	199329	1589740	28983600	25987700	582908
Int RSD	*2.6030744*	*0.0346832*	*1.5995164*	*0.3474700*	*0.4967361*	*0.9014611*	*0.2421411*
Int SD	*86431.70000*	*11.3103000*	*3188.300000*	*5523.870000*	*143972*	*234269*	*1411.460000*
RelInt Mean	0.1121620	0.0170369	0.0062720	---	---	---	0.3646680
RelInt RSD	*2.1862128*	*0.3673632*	*1.2609762*	---	---	---	*0.2089289*
RelInt SD	*0.0024521*	*0.0000626*	*0.0000791*	---	---	---	*0.0007619*
Conc Mean	0.9960460[mg/l]	1.0748600[mg/l]	0.9880560[mg/l]	1576560	28884600	25909700	1.1053000[mg/l]
Conc RSD	*2.1856922*	*0.3691420*	*1.2707174*	---	---	---	*0.2092536*
Conc SD	*0.0217705[mg/l]*	*0.0039678[mg/l]*	*0.0125554[mg/l]*	*5527.090000*	*143907*	*234816*	*0.0023129[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	10316600	14990500	609975	287301	502028	96991.00000	
Int RSD	*1.2276913*	*0.2335713*	*0.5542817*	*0.5693889*	*0.3115464*	*0.4883020*	
Int SD	*126656*	*35013.50000*	*3380.980000*	*1635.860000*	*1564.050000*	*473.6090000*	
RelInt Mean	0.3955200	0.5733540	0.3777550	0.1790970	0.3103450	0.0580145	
RelInt RSD	*0.5082474*	*1.0837720*	*0.2406997*	*0.5339615*	*0.3014429*	*0.1760129*	
RelInt SD	*0.0020102*	*0.0062138*	*0.0009093*	*0.0009563*	*0.0009355*	*0.0001021*	
Conc Mean	1.0043200[mg/l]	1.2330000[mg/l]	5.8063200[mg/l]	5.3670700[mg/l]	1.0315700[mg/l]	5.6658000[mg/l]	
Conc RSD	*0.5078123*	*1.0838929*	*0.2441426*	*0.5345431*	*0.3020668*	*0.1755849*	
Conc SD	*0.0051001[mg/l]*	*0.0133644[mg/l]*	*0.0141757[mg/l]*	*0.0286893[mg/l]*	*0.0031160[mg/l]*	*0.0099483[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848085	File:	met06_master011	Time:	18-MAR-2024 14:52
Cal:	484112848001	Caldate:	18-MAR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	30927400	-1.29
Yttrium	A	1661850	1684150	1.34
Yttrium	R	28200600	27663500	-1.90

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2024-03-18 14:52:39	Recalculation Date:	State: Checked	Quality:

	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	69619.50000	64259.00000	5202.540000	13644.80000	11939.20000	137168	11683.00000
Int RSD	*0.5390889*	*0.8177952*	*1.0530933*	*0.7355476*	*0.3345961*	*0.5679109*	*1.1507147*
Int SD	*375.3110000*	*525.5070000*	*54.7876000*	*100.3640000*	*39.9481000*	*778.9920000*	*134.4380000*
RelInt Mean	0.0000379	0.0000157	-0.0000559	0.0007060	0.0000328	0.0034900	0.0001000
RelInt RSD	*20.7439388*	*32.6676466*	*35.5966449*	*3.1683844*	*96.4070798*	*1.8578514*	*44.7056941*
RelInt SD	*0.0000079*	*0.0000051*	*0.0000199*	*0.0000224*	*0.0000316*	*0.0000648*	*0.0000447*
Conc Mean	<-0.0000302[mg/l]	<-0.0002124[mg/l]	<-0.0010393[mg/l]	<-0.0016456[mg/l]	<-0.0000673[mg/l]	<-0.0005581[mg/l]	<0.0004491[mg/l]
Conc RSD	*988.1247596*	*180.2826449*	*96.1720020*	*14.7615807*	*134.2017617*	*462.4936168*	*50.1480865*
Conc SD	*0.0002981[mg/l]*	*0.0003830[mg/l]*	*0.0009995[mg/l]*	*0.0002429[mg/l]*	*0.0000903[mg/l]*	*0.0025812[mg/l]*	*0.0002252[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	11690.30000	67855.20000	16831.00000	15309.50000	80204.60000	13665.20000	8286.760000
Int RSD	*0.8422059*	*0.4230641*	*3.2306161*	*1.5892485*	*0.6951883*	*0.5898421*	*4.5078776*
Int SD	*98.4564000*	*287.0710000*	*543.7450000*	*243.3060000*	*557.5730000*	*80.6031000*	*373.5570000*
RelInt Mean	-0.0000578	0.0001113	0.0018836	0.0000996	0.0004734	0.0003196	0.0009954
RelInt RSD	*9.8359190*	*2.7098786*	*16.7211009*	*7.4332255*	*1.4867323*	*5.9099514*	*24.6507937*
RelInt SD	*0.0000057*	*0.0000030*	*0.0003150*	*0.0000074*	*0.0000070*	*0.0000189*	*0.0002454*
Conc Mean	<-0.0000714[mg/l]	<-0.0000413[mg/l]	0.0054640[mg/l]	<0.0043122[mg/l]	<0.0012228[mg/l]	<-0.0002501[mg/l]	0.0077982[mg/l]
Conc RSD	*48.6231912*	*236.5533421*	*19.0907843*	*40.5562410*	*187.1299598*	*4.8443716*	*24.8482665*
Conc SD	*0.0000347[mg/l]*	*0.0000977[mg/l]*	*0.0010431[mg/l]*	*0.0017488[mg/l]*	*0.0022883[mg/l]*	*0.0000121[mg/l]*	*0.0019377[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	59796.50000	11983.00000	10613.80000	7702.050000	5540.950000	5716.530000	65772.10000
Int RSD	*2.1740570*	*1.0339815*	*0.2960485*	*0.4730935*	*1.1785687*	*1.7045166*	*1.0582572*
Int SD	*1300.010000*	*123.9020000*	*31.4220000*	*36.4379000*	*65.3039000*	*97.4392000*	*696.0380000*
RelInt Mean	0.0007958	-0.0001266	-0.0000878	0.0000251	0.0000094	0.0003039	0.0002026
RelInt RSD	*5.8071233*	*23.3116314*	*12.3409156*	*114.8237578*	*460.5360405*	*20.0254351*	*5.9134748*
RelInt SD	*0.0000462*	*0.0000295*	*0.0000108*	*0.0000289*	*0.0000432*	*0.0000609*	*0.0000120*
Conc Mean	<0.0076355[mg/l]	<-0.0010679[mg/l]	<0.0011518[mg/l]	<0.0012344[mg/l]	<0.0023228[mg/l]	0.0048273[mg/l]	<-0.0067283[mg/l]
Conc RSD	*21.2488835*	*20.7240243*	*30.1507219*	*111.4266966*	*127.0522645*	*23.6635987*	*0.9430952*
Conc SD	*0.0016225[mg/l]*	*0.0002213[mg/l]*	*0.0003473[mg/l]*	*0.0013754[mg/l]*	*0.0029512[mg/l]*	*0.0011423[mg/l]*	*0.0000635[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	95681.90000	5266.990000	18448.50000	1684150	30927400	27663500	7999.950000
Int RSD	*0.2460695*	*0.4230310*	*0.7407052*	*0.7140219*	*0.7030077*	*1.2491839*	*0.3661898*
Int SD	*235.4440000*	*22.2810000*	*136.6490000*	*12025.20000*	*217422*	*345568*	*29.2950000*
RelInt Mean	0.0007186	-0.0000270	0.0000486	---	---	---	0.0003710
RelInt RSD	*1.0594416*	*87.2726532*	*10.0680384*	---	---	---	*9.2845532*
RelInt SD	*0.0000076*	*0.0000236*	*0.0000049*	---	---	---	*0.0000344*
Conc Mean	0.0064722[mg/l]	<0.0011215[mg/l]	<0.0003746[mg/l]	1671320	30829400	27586000	<-0.0010765[mg/l]
Conc RSD	*1.0444811*	*132.3863535*	*207.1620182*	---	---	---	*9.7197477*
Conc SD	*0.0000676[mg/l]*	*0.0014847[mg/l]*	*0.0007761[mg/l]*	*12021.70000*	*218185*	*345964*	*0.0001046[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	39861.40000	39340.20000	14563.00000	4695.940000	11652.80000	4821.960000	
Int RSD	*0.5755543*	*0.5310141*	*1.1162535*	*1.5518448*	*1.5049688*	*0.5433745*	
Int SD	*229.4240000*	*208.9020000*	*162.5600000*	*72.8737000*	*175.3710000*	*26.2013000*	
RelInt Mean	-0.0004322	0.0001200	0.0009485	0.0002456	0.0001336	-0.0001125	
RelInt RSD	*1.6038743*	*9.1600763*	*15.2831444*	*17.5446647*	*41.5765725*	*15.4176706*	
RelInt SD	*0.0000069*	*0.0000110*	*0.0001450*	*0.0000431*	*0.0000556*	*0.0000173*	
Conc Mean	<0.0000784[mg/l]	<-0.0002800[mg/l]	0.0041122[mg/l]	<-0.0001579[mg/l]	<0.0002997[mg/l]	<0.0040486[mg/l]	
Conc RSD	*22.4334174*	*8.4470725*	*53.8874190*	*819.1884958*	*61.1456064*	*41.7180839*	
Conc SD	*0.0000176[mg/l]*	*0.0000236[mg/l]*	*0.0022160[mg/l]*	*0.0012931[mg/l]*	*0.0001833[mg/l]*	*0.0016890[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 504506 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848096	File:	met06_master011	Time:	18-MAR-2024 15:28
Cal:	484112848001	Caldate:	18-MAR-2024		

Standards: S20203, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0251	0.0339	1.000	1.091	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	29185300	-6.85
Yttrium	A	1661850	1613010	-2.94
Yttrium	R	28200600	26427700	-6.29

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S20203				Sample Type: Control Sample	
Measure Date: 2024-03-18 15:28:48	Recalculation Date:		State: Check failed	Quality: Failed	

	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	432500	506018	38158.70000	160473	627915	34303500	351803
Int RSD	*1.8867491*	*0.5442652*	*0.5132565*	*0.2480772*	*0.5721969*	*0.7216173*	*0.5557656*
Int SD	*8160.190000*	*2754.080000*	*195.8520000*	*398.0970000*	*3592.910000*	*247540*	*1955.200000*
RelInt Mean	0.0124481	0.0134138	0.0202909	0.0921406	0.3845800	1.2993700	0.2121670
RelInt RSD	*2.7139804*	*0.8192980*	*1.1563903*	*0.8831677*	*1.2370768*	*0.4556193*	*1.0910933*
RelInt SD	*0.0003378*	*0.0001099*	*0.0002346*	*0.0008138*	*0.0047576*	*0.0059202*	*0.0023149*
Conc Mean	0.4703890[mg/l]	0.9992690[mg/l]	1.0204800[mg/l]	0.9913920[mg/l]	1.0331700[mg/l]	51.5894000[mg/l]	1.0666000[mg/l]
Conc RSD	*2.7222363*	*0.8205078*	*1.1550349*	*0.8914153*	*1.2357502*	*0.4569892*	*1.0895462*
Conc SD	*0.0128051[mg/l]*	*0.0081991[mg/l]*	*0.0117869[mg/l]*	*0.0088374[mg/l]*	*0.0127674[mg/l]*	*0.2357580[mg/l]*	*0.0116211[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	278484	950167	529575	6526100	4209110	2637210	211110
Int RSD	*0.3349320*	*1.9005712*	*0.6204239*	*0.5671871*	*0.9051011*	*0.6101410*	*1.0725214*
Int SD	*932.7320000*	*18058.60000*	*3285.610000*	*37015.20000*	*38096.70000*	*16090.70000*	*2264.200000*
RelInt Mean	0.1660810	0.0303168	0.3219480	0.2463410	0.1567560	1.6396100	0.1275100
RelInt RSD	*0.8984652*	*2.5138999*	*0.1812380*	*0.6420571*	*0.7980109*	*0.2014577*	*1.7265469*
RelInt SD	*0.0014922*	*0.0007621*	*0.0005835*	*0.0015817*	*0.0012509*	*0.0033031*	*0.0022015*
Conc Mean	1.0136800[mg/l]	0.9785860[mg/l]	1.0654900[mg/l]	58.1642000[mg/l]	50.8175000[mg/l]	1.0513600[mg/l]	1.0068800[mg/l]
Conc RSD	*0.8982026*	*2.5233245*	*0.1812809*	*0.6423247*	*0.8000512*	*0.2014733*	*1.7268989*
Conc SD	*0.0091049[mg/l]*	*0.0246929[mg/l]*	*0.0019315[mg/l]*	*0.3736030[mg/l]*	*0.4065660[mg/l]*	*0.0021182[mg/l]*	*0.0173878[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	47707700	237531	65654.30000	42197.70000	30009.10000	442542	29176200
Int RSD	*0.7821882*	*0.6079291*	*0.4684842*	*0.5461767*	*0.0299372*	*0.6276308*	*1.0848705*
Int SD	*373164*	*1444.020000*	*307.5800000*	*230.4740000*	*8.9838700*	*2777.530000*	*316524*
RelInt Mean	1.8030200	0.1403090	0.0339208	0.0212889	0.0151080	0.2731280	1.1046000
RelInt RSD	*0.4111668*	*1.0661469*	*0.3338217*	*0.7736755*	*0.8161570*	*1.2549391*	*0.0141510*
RelInt SD	*0.0074134*	*0.0014959*	*0.0001132*	*0.0001647*	*0.0001233*	*0.0034276*	*0.0001563*
Conc Mean	63.2815000[mg/l]	1.0523700[mg/l]	1.0912200[mg/l]	1.0085200[mg/l]	1.0341900[mg/l]	5.1256600[mg/l]	5.8423100[mg/l]
Conc RSD	*0.4113746*	*1.0665830*	*0.3328641*	*0.7768949*	*0.8146820*	*1.2552803*	*0.0140045*
Conc SD	*0.2603240[mg/l]*	*0.0112244[mg/l]*	*0.0036323[mg/l]*	*0.0078351[mg/l]*	*0.0084254[mg/l]*	*0.0643414[mg/l]*	*0.0008182[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	3362580	32721.80000	199640	1613010	29185300	26427700	587207
Int RSD	*1.5078392*	*0.3324573*	*1.9401022*	*0.7967465*	*0.5121619*	*1.0975908*	*0.2545389*
Int SD	*50702.30000*	*108.7860000*	*3873.220000*	*12851.60000*	*149476*	*290068*	*1494.670000*
RelInt Mean	0.1128390	0.0168386	0.0062423	---	---	---	0.3620710
RelInt RSD	*2.0467835*	*0.9215552*	*2.5716487*	---	---	---	*0.8864339*
RelInt SD	*0.0023096*	*0.0001552*	*0.0001605*	---	---	---	*0.0032095*
Conc Mean	1.0020500[mg/l]	1.0623400[mg/l]	0.9833390[mg/l]	1599840	29085700	26350700	1.0974100[mg/l]
Conc RSD	*2.0465146*	*0.9194448*	*2.5912427*	---	---	---	*0.8882277*
Conc SD	*0.0205071[mg/l]*	*0.0097676[mg/l]*	*0.0254807[mg/l]*	*12802.70000*	*149650*	*289411*	*0.0097475[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	10447400	15052200	611489	287870	504362	97805.10000	
Int RSD	*0.7192842*	*0.9764486*	*0.4199961*	*0.4329489*	*0.5028135*	*0.6085409*	
Int SD	*75146.50000*	*146977*	*2568.230000*	*1246.330000*	*2536.000000*	*595.1840000*	
RelInt Mean	0.3938900	0.5660610	0.3732130	0.1768470	0.3072630	0.0576723	
RelInt RSD	*0.4146462*	*0.3136676*	*0.9771310*	*1.1550436*	*1.1660304*	*1.1628390*	
RelInt SD	*0.0016332*	*0.0017755*	*0.0036468*	*0.0020427*	*0.0035828*	*0.0006706*	
Conc Mean	1.0001800[mg/l]	1.2173000[mg/l]	5.7363400[mg/l]	5.2995600[mg/l]	1.0213300[mg/l]	5.6324700[mg/l]	
Conc RSD	*0.4139005*	*0.3139128*	*0.9759690*	*1.1565809*	*1.1683197*	*1.1596919*	
Conc SD	*0.0041398[mg/l]*	*0.0038213[mg/l]*	*0.0559849[mg/l]*	*0.0612937[mg/l]*	*0.0119324[mg/l]*	*0.0653193[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848097	File:	met06_master011	Time:	18-MAR-2024 15:32
Cal:	484112848001	Caldate:	18-MAR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	30823500	-1.62
Yttrium	A	1661850	1676620	0.89
Yttrium	R	28200600	27855600	-1.22

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2024-03-18 15:32:05	Recalculation Date:	State: Checked	Quality:

	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	69257.60000	64605.30000	5163.030000	13478.20000	11925.70000	135900	11684.90000
Int RSD	*1.0469291*	*0.6780156*	*0.9495800*	*0.7757787*	*0.7267129*	*0.6215960*	*1.5155200*
Int SD	*725.0780000*	*438.0340000*	*49.0271000*	*104.5610000*	*86.6656000*	*844.7490000*	*177.0870000*
RelInt Mean	0.0000248	0.0000248	-0.0000673	0.0006042	0.0000139	0.0034165	0.0001242
RelInt RSD	*14.3190996*	*44.3645866*	*17.9600106*	*9.5228260*	*699.0490393*	*1.1197242*	*69.5677825*
RelInt SD	*0.0000035*	*0.0000110*	*0.0000121*	*0.0000575*	*0.0000970*	*0.0000383*	*0.0000864*
Conc Mean	<-0.0005283[mg/l]	<0.0004680[mg/l]	<-0.0016147[mg/l]	<-0.0027505[mg/l]	<-0.0001188[mg/l]	<-0.0034837[mg/l]	<0.0005738[mg/l]
Conc RSD	*25.4403050*	*175.6283039*	*37.6105630*	*22.7198691*	*221.5384874*	*43.7137953*	*75.8510052*
Conc SD	*0.0001344[mg/l]*	*0.0008220[mg/l]*	*0.0006073[mg/l]*	*0.0006249[mg/l]*	*0.0002632[mg/l]*	*0.0015228[mg/l]*	*0.0004352[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	11808.40000	67831.50000	19955.50000	15282.30000	80364.30000	13576.00000	8295.290000
Int RSD	*0.9687341*	*0.9094064*	*4.5566936*	*0.9090844*	*0.6002267*	*1.3265247*	*4.4329131*
Int SD	*114.3920000*	*616.8640000*	*909.3110000*	*138.9290000*	*482.3680000*	*180.0890000*	*367.7230000*
RelInt Mean	-0.0000005	0.0001124	0.0038144	0.0000990	0.0004675	0.0002752	0.0010105
RelInt RSD	*11081.67154*	*4.4860007*	*14.3321475*	*0.3128377*	*1.6945192*	*27.4357493*	*21.2698790*
RelInt SD	*0.0000575*	*0.0000050*	*0.0005467*	*0.0000003*	*0.0000079*	*0.0000755*	*0.0002149*
Conc Mean	<0.0002783[mg/l]	<-0.0000040[mg/l]	0.0118586[mg/l]	<0.0041604[mg/l]	<-0.0006702[mg/l]	<-0.0002786[mg/l]	0.0079174[mg/l]
Conc RSD	*126.1188586*	*4120.426756*	*15.2680755*	*1.7577541*	*384.4005115*	*17.3871872*	*21.4375931*
Conc SD	*0.0003510[mg/l]*	*0.0001634[mg/l]*	*0.0018106[mg/l]*	*0.0000731[mg/l]*	*0.0025761[mg/l]*	*0.0000484[mg/l]*	*0.0016973[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	58415.10000	11985.70000	10527.00000	7694.390000	5525.040000	5630.400000	65781.80000
Int RSD	*2.3790424*	*0.3871355*	*0.4621630*	*0.2567260*	*0.6569382*	*1.0318681*	*0.8014405*
Int SD	*1389.720000*	*46.4009000*	*48.6519000*	*19.7535000*	*36.2961000*	*58.0983000*	*527.2020000*
RelInt Mean	0.0007385	-0.0001047	-0.0001429	0.0000181	-0.0000153	0.0002569	0.0001899
RelInt RSD	*6.0742793*	*54.7743075*	*25.7802093*	*66.3809524*	*77.5004081*	*12.0358291*	*1.3524351*
RelInt SD	*0.0000449*	*0.0000573*	*0.0000368*	*0.0000120*	*0.0000119*	*0.0000309*	*0.0000026*
Conc Mean	<0.0056257[mg/l]	<-0.0009039[mg/l]	<-0.0006170[mg/l]	<0.0008950[mg/l]	<0.0006354[mg/l]	0.0039457[mg/l]	<-0.0067954[mg/l]
Conc RSD	*27.9968430*	*47.5913271*	*191.5137057*	*64.0547244*	*127.6644837*	*14.7109287*	*0.2001940*
Conc SD	*0.0015750[mg/l]*	*0.0004302[mg/l]*	*0.0011817[mg/l]*	*0.0005733[mg/l]*	*0.0008111[mg/l]*	*0.0005805[mg/l]*	*0.0000136[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	89943.70000	5293.480000	18288.20000	1676620	30823500	27855600	7906.480000
Int RSD	*0.5620005*	*0.3009721*	*1.4883094*	*0.7949923*	*0.3864292*	*0.1717877*	*0.3128826*
Int SD	*505.4840000*	*15.9319000*	*272.1850000*	*13329.00000*	*119111*	*47852.50000*	*24.7380000*
RelInt Mean	0.0005393	-0.0000180	0.0000479	---	---	---	0.0003128
RelInt RSD	*2.3875519*	*155.0971861*	*8.2909191*	---	---	---	*7.1001493*
RelInt SD	*0.0000129*	*0.0000278*	*0.0000040*	---	---	---	*0.0000222*
Conc Mean	0.0048801[mg/l]	<0.0016965[mg/l]	<0.0002631[mg/l]	1663770	30725800	27778100	<-0.0012533[mg/l]
Conc RSD	*2.3428823*	*103.5238292*	*239.6940036*	---	---	---	*5.3959819*
Conc SD	*0.0001143[mg/l]*	*0.0017562[mg/l]*	*0.0006306[mg/l]*	*13308.30000*	*118552*	*47898.90000*	*0.0000676[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	39760.70000	39555.90000	14513.60000	4768.550000	11641.00000	4793.660000	
Int RSD	*0.2159897*	*2.1253517*	*0.8107844*	*1.1867046*	*2.1092690*	*0.4063492*	
Int SD	*85.8790000*	*840.7020000*	*117.6740000*	*56.5886000*	*245.5400000*	*19.4790000*	
RelInt Mean	-0.0004229	0.0001219	0.0009030	0.0002968	0.0001164	-0.0001113	
RelInt RSD	*0.6781742*	*19.9970466*	*4.3574855*	*13.1864629*	*73.2679722*	*10.1680891*	
RelInt SD	*0.0000029*	*0.0000244*	*0.0000393*	*0.0000391*	*0.0000853*	*0.0000113*	
Conc Mean	<0.0001020[mg/l]	<-0.0002759[mg/l]	0.0034056[mg/l]	<0.0013788[mg/l]	<0.0002444[mg/l]	<0.0041614[mg/l]	
Conc RSD	*7.1300482*	*19.0077313*	*17.5174127*	*85.1852658*	*115.7084580*	*26.4909574*	
Conc SD	*0.0000073[mg/l]*	*0.0000524[mg/l]*	*0.0005966[mg/l]*	*0.0011746[mg/l]*	*0.0002828[mg/l]*	*0.0011024[mg/l]*	

ENTHALPY CONTINUING CALIBRATION FOR 504506 METALS Wipe
EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848101	File:	met06_master011	Time:	18-MAR-2024 15:45
Cal:	484112848001	Caldate:	18-MAR-2024		

Standards: S20203, S16862 (100X)

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	0.0251	0.0339	1.000	1.091	mg/l	9	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	29126300	-7.04
Yttrium	A	1661850	1621600	-2.42
Yttrium	R	28200600	25972500	-7.90

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCV,S20203 | Sample Type: Control Sample

Measure Date: 2024-03-18 15:45:15 | Recalculation Date: | State: Check failed | Quality: Failed

	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	431043	504123	38230.30000	161172	632333	33707800	354146
Int RSD	*2.5161759*	*0.4966090*	*0.3475960*	*0.3523410*	*0.6919677*	*0.8616403*	*0.2777741*
Int SD	*10845.80000*	*2503.520000*	*132.8870000*	*567.8750000*	*4375.540000*	*290440*	*983.7260000*
RelInt Mean	0.0124296	0.0134938	0.0202229	0.0920355	0.3853040	1.2992100	0.2125120
RelInt RSD	*5.1397953*	*1.0960071*	*0.6832848*	*0.7141592*	*0.9576906*	*0.3074984*	*0.6575017*
RelInt SD	*0.0006389*	*0.0001479*	*0.0001382*	*0.0006573*	*0.0036900*	*0.0039951*	*0.0013973*
Conc Mean	0.4696900[mg/l]	1.0052300[mg/l]	1.0170600[mg/l]	0.9902510[mg/l]	1.0351000[mg/l]	51.5831000[mg/l]	1.0683500[mg/l]
Conc RSD	*5.1556559*	*1.0975200*	*0.6819696*	*0.7208566*	*0.9619795*	*0.3085371*	*0.6641428*
Conc SD	*0.0242156[mg/l]*	*0.0110326[mg/l]*	*0.0069360[mg/l]*	*0.0071383[mg/l]*	*0.0099574[mg/l]*	*0.1591530[mg/l]*	*0.0070954[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	280094	946544	529675	6473380	4179150	2642220	213277
Int RSD	*0.4168779*	*2.9154693*	*0.5271723*	*0.2969283*	*0.2802316*	*0.8440365*	*0.5724809*
Int SD	*1167.650000*	*27596.20000*	*2792.300000*	*19221.30000*	*11711.30000*	*22301.30000*	*1220.970000*
RelInt Mean	0.1662000	0.0302777	0.3203390	0.2486390	0.1583420	1.6340500	0.1282100
RelInt RSD	*0.7855355*	*5.1709674*	*0.7469462*	*1.0508448*	*1.0354802*	*0.5025018*	*0.4858537*
RelInt SD	*0.0013056*	*0.0015657*	*0.0023928*	*0.0026128*	*0.0016396*	*0.0082111*	*0.0006229*
Conc Mean	1.0144100[mg/l]	0.9773200[mg/l]	1.0601600[mg/l]	58.7071000[mg/l]	51.3334000[mg/l]	1.0478000[mg/l]	1.0124100[mg/l]
Conc RSD	*0.7850228*	*5.1901629*	*0.7474013*	*1.0511727*	*1.0383980*	*0.5026436*	*0.4857212*
Conc SD	*0.0079634[mg/l]*	*0.0507245[mg/l]*	*0.0079237[mg/l]*	*0.6171130[mg/l]*	*0.5330450[mg/l]*	*0.0052667[mg/l]*	*0.0049175[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	47185300	239545	66005.60000	42112.40000	30407.20000	447171	28542300
Int RSD	*0.7290131*	*0.5271243*	*0.2211464*	*0.6124538*	*0.6565550*	*0.2620586*	*1.2829765*
Int SD	*343987*	*1262.700000*	*145.9690000*	*257.9190000*	*199.6400000*	*1171.850000*	*366191*
RelInt Mean	1.8145900	0.1408220	0.0339280	0.0211309	0.0152596	0.2745580	1.0995200
RelInt RSD	*0.0836227*	*0.8902941*	*0.6249293*	*1.0051773*	*1.0817518*	*0.6326896*	*0.5216886*
RelInt SD	*0.0015174*	*0.0012537*	*0.0002120*	*0.0002124*	*0.0001651*	*0.0017371*	*0.0057361*
Conc Mean	63.6877000[mg/l]	1.0562200[mg/l]	1.0914500[mg/l]	1.0009900[mg/l]	1.0445500[mg/l]	5.1524900[mg/l]	5.8154200[mg/l]
Conc RSD	*0.0837005*	*0.8906061*	*0.6227367*	*1.0095006*	*1.0801781*	*0.6328552*	*0.5224369*
Conc SD	*0.0533069[mg/l]*	*0.0094068[mg/l]*	*0.0067969[mg/l]*	*0.0101050[mg/l]*	*0.0112830[mg/l]*	*0.0326078[mg/l]*	*0.0303819[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	3340880	32797.40000	198146	1621600	29126300	25972500	592532
Int RSD	*2.6580153*	*0.4260216*	*2.4966187*	*0.3916311*	*2.1947621*	*0.7612783*	*0.5778878*
Int SD	*88801.10000*	*139.7240000*	*4946.950000*	*6350.690000*	*639253*	*197723*	*3424.170000*
RelInt Mean	0.1123870	0.0167928	0.0062100	---	---	---	0.3634760
RelInt RSD	*4.7173872*	*0.2967474*	*4.7820458*	---	---	---	*0.8648797*
RelInt SD	*0.0053017*	*0.0000498*	*0.0002970*	---	---	---	*0.0031436*
Conc Mean	0.9980470[mg/l]	1.0594300[mg/l]	0.9782210[mg/l]	1608250	29026700	25894300	1.1016800[mg/l]
Conc RSD	*4.7170324*	*0.2868958*	*4.8198720*	---	---	---	*0.8666446*
Conc SD	*0.0470782[mg/l]*	*0.0030395[mg/l]*	*0.0471490[mg/l]*	*6310.020000*	*638499*	*198224*	*0.0095477[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	10306100	14954200	614139	290907	507569	99043.60000	
Int RSD	*0.5660531*	*0.7424068*	*0.4128935*	*0.3492938*	*0.4657672*	*0.3572063*	
Int SD	*58338.00000*	*111021*	*2535.740000*	*1016.120000*	*2364.090000*	*353.7900000*	
RelInt Mean	0.3953610	0.5722550	0.3729090	0.1778030	0.3076800	0.0581423	
RelInt RSD	*0.1948541*	*0.4254187*	*0.6608073*	*0.6457709*	*0.6766316*	*0.4302272*	
RelInt SD	*0.0007704*	*0.0024345*	*0.0024642*	*0.0011482*	*0.0020819*	*0.0002501*	
Conc Mean	1.0039100[mg/l]	1.2306300[mg/l]	5.7315300[mg/l]	5.3282600[mg/l]	1.0227300[mg/l]	5.6782400[mg/l]	
Conc RSD	*0.1947794*	*0.4253301*	*0.6656948*	*0.6465525*	*0.6764953*	*0.4290713*	
Conc SD	*0.0019554[mg/l]*	*0.0052342[mg/l]*	*0.0381545[mg/l]*	*0.0344500[mg/l]*	*0.0069187[mg/l]*	*0.0243637[mg/l]*	

ENTHALPY INSTRUMENT BLANK FOR 504506 METALS Wipe

EPA 6010B

Inst:	MET06			IDF:	1.0
Seqnum:	484112848102	File:	met06_master011	Time:	18-MAR-2024 15:48
Cal:	484112848001	Caldate:	18-MAR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/l	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	H	31331300	30827600	-1.61
Yttrium	A	1661850	1704120	2.54
Yttrium	R	28200600	27475100	-2.57

Method Name: Met06_Master011923 Method Autor: Operator

Sample Name: CCB,1			Sample Type: Control Sample
Measure Date: 2024-03-18 15:48:32	Recalculation Date:	State: Checked	Quality:

	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	69823.40000	69320.20000	5274.100000	13691.80000	12056.00000	137447	11929.30000
Int RSD	*0.2350945*	*3.3556453*	*0.1801111*	*0.5642275*	*1.4222877*	*0.5343914*	*0.7433403*
Int SD	*164.1510000*	*2326.140000*	*9.4992400*	*77.2529000*	*171.4710000*	*734.5050000*	*88.6753000*
RelInt Mean	0.0000320	0.0001995	-0.0000414	0.0006502	0.0000068	0.0035253	0.0001399
RelInt RSD	*11.0819863*	*36.7499211*	*13.1740597*	*9.1761089*	*1499.145478*	*0.5607034*	*36.3817694*
RelInt SD	*0.0000035*	*0.0000733*	*0.0000055*	*0.0000597*	*0.0001018*	*0.0000198*	*0.0000509*
Conc Mean	<-0.0002549[mg/l]	0.0134984[mg/l]	<-0.0003113[mg/l]	<-0.0022514[mg/l]	<-0.0001366[mg/l]	<0.0008485[mg/l]	<0.0006523[mg/l]
Conc RSD	*52.7066052*	*40.5198394*	*87.9775786*	*28.7805203*	*198.0707443*	*92.7480871*	*39.2411661*
Conc SD	*0.0001343[mg/l]*	*0.0054695[mg/l]*	*0.0002739[mg/l]*	*0.0006480[mg/l]*	*0.0002706[mg/l]*	*0.0007869[mg/l]*	*0.0002560[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	11927.60000	67998.60000	19820.90000	15267.40000	80336.30000	13792.30000	8336.520000
Int RSD	*0.8064036*	*0.6778919*	*4.8066183*	*2.1922462*	*1.3316147*	*0.3203962*	*3.9474985*
Int SD	*96.1846000*	*460.9570000*	*952.7150000*	*334.6990000*	*1069.770000*	*44.1900000*	*329.0840000*
RelInt Mean	-0.0000094	0.0001072	0.0035603	0.0001000	0.0004785	0.0002995	0.0009666
RelInt RSD	*300.0053030*	*8.9266491*	*16.5484456*	*8.9187408*	*1.5327032*	*20.2349697*	*22.5461483*
RelInt SD	*0.0000283*	*0.0000096*	*0.0005892*	*0.0000089*	*0.0000073*	*0.0000606*	*0.0002179*
Conc Mean	<0.0002239[mg/l]	<-0.0001736[mg/l]	0.0110170[mg/l]	<0.0044041[mg/l]	<0.0028875[mg/l]	<-0.0002630[mg/l]	0.0075709[mg/l]
Conc RSD	*77.0773140*	*178.5773943*	*17.7115367*	*47.8312304*	*82.5900093*	*14.7846803*	*22.7322319*
Conc SD	*0.0001726[mg/l]*	*0.0003100[mg/l]*	*0.0019513[mg/l]*	*0.0021065[mg/l]*	*0.0023848[mg/l]*	*0.0000389[mg/l]*	*0.0017210[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	58828.60000	12148.50000	10586.50000	7755.560000	5608.540000	5760.170000	65657.70000
Int RSD	*3.6601245*	*0.8455365*	*0.7588117*	*0.6850131*	*0.5232699*	*1.5010512*	*1.3944442*
Int SD	*2153.200000*	*102.7200000*	*80.3316000*	*53.1266000*	*29.3478000*	*86.4631000*	*915.5600000*
RelInt Mean	0.0007658	-0.0001045	-0.0001565	0.0000032	0.0000081	0.0002903	0.0001998
RelInt RSD	*8.5732847*	*82.7398466*	*12.6921258*	*666.5302539*	*25.7444316*	*16.1696308*	*8.1404624*
RelInt SD	*0.0000657*	*0.0000865*	*0.0000199*	*0.0000213*	*0.0000021*	*0.0000469*	*0.0000163*
Conc Mean	<0.0065826[mg/l]	<-0.0009028[mg/l]	<-0.0010541[mg/l]	<0.0001873[mg/l]	0.0022339[mg/l]	0.0045719[mg/l]	<-0.0067429[mg/l]
Conc RSD	*35.0167562*	*71.8759277*	*60.2696062*	*543.2923313*	*6.3604337*	*19.2711751*	*1.2777137*
Conc SD	*0.0023050[mg/l]*	*0.0006489[mg/l]*	*0.0006353[mg/l]*	*0.0010176[mg/l]*	*0.0001421[mg/l]*	*0.0008811[mg/l]*	*0.0000862[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	90784.30000	5341.460000	18439.80000	1704120	30827600	27475100	8077.590000
Int RSD	*0.1945986*	*0.5638384*	*1.4156553*	*0.5682616*	*1.9647491*	*0.8221371*	*1.1942052*
Int SD	*176.6650000*	*30.1172000*	*261.0440000*	*9683.860000*	*605685*	*225883*	*96.4630000*
RelInt Mean	0.0005502	-0.0000357	0.0000444	---	---	---	0.0003609
RelInt RSD	*4.0308463*	*57.3509997*	*9.9083005*	---	---	---	*8.3346588*
RelInt SD	*0.0000222*	*0.0000205*	*0.0000044*	---	---	---	*0.0000301*
Conc Mean	0.0049771[mg/l]	<0.0005763[mg/l]	<-0.0002873[mg/l]	1691160	30729900	27397000	<-0.0011073[mg/l]
Conc RSD	*3.9566933*	*224.7226883*	*243.0015143*	---	---	---	*8.2527974*
Conc SD	*0.0001969[mg/l]*	*0.0012952[mg/l]*	*0.0006980[mg/l]*	*9658.720000*	*605328*	*226377*	*0.0000914[mg/l]*

	Be_R 313.107	Li_R 670.780	Si 251.612	P 177.495	Cd 228.802	S 182.034	
Int Mean	39830.70000	39317.20000	14850.20000	4726.710000	11768.80000	4869.590000	
Int RSD	*1.3935432*	*1.9552486*	*0.7908648*	*0.6185381*	*1.4738971*	*0.8101154*	
Int SD	*555.0580000*	*768.7490000*	*117.4450000*	*29.2365000*	*173.4600000*	*39.4493000*	
RelInt Mean	-0.0004260	0.0001191	0.0009782	0.0002416	0.0000887	-0.0001109	
RelInt RSD	*1.4884784*	*17.2480484*	*7.4140598*	*11.8610937*	*161.4430431*	*10.6815906*	
RelInt SD	*0.0000063*	*0.0000205*	*0.0000725*	*0.0000287*	*0.0001433*	*0.0000118*	
Conc Mean	<0.0000940[mg/l]	<-0.0002818[mg/l]	0.0045765[mg/l]	<-0.0002789[mg/l]	<0.0001472[mg/l]	<0.0042040[mg/l]	
Conc RSD	*17.1165706*	*15.6851607*	*24.4209574*	*308.2639028*	*324.1685852*	*27.4385646*	
Conc SD	*0.0000161[mg/l]*	*0.0000442[mg/l]*	*0.0011176[mg/l]*	*0.0008599[mg/l]*	*0.0004773[mg/l]*	*0.0011535[mg/l]*	

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

enthalpy.com

Lab Job Number : 506865
Report Level : II
Report Date : 04/24/2024

Analytical Report *prepared for:*

Austin Moore
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

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #: 506865
Project No: 20-10491
Location: Hangar 1 NTCRA
Date Received: 04/22/24

Sample ID	Lab ID	Collected	Matrix
AFRAME-C13E-LAT-L2-UP-C13.2-VS-240422-L-I	506865-001	04/22/24 10:25	Wipe
AFRAME-C13E-LAT-L2-UP-C13.6-VS-240422-L-LA	506865-002	04/22/24 10:30	Wipe
AFRAME-C14E-LAT-L2-INT-0.5 TO 1-240422-L-FB	506865-003	04/22/24 10:20	Wipe
AFRAME-C13E-LAT-L2-DN-C13.7-VS-240422-L-I	506865-004	04/22/24 10:50	Wipe
AFRAME-C13E-MED-L2-DN-C13.6-DG-240422-L-LA	506865-005	04/22/24 11:25	Wipe
AFRAME-C13E-LAT-L2-DN-C13.5-DG-240422-L-LA	506865-006	04/22/24 10:55	Wipe
AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-L-WF	506865-007	04/22/24 11:15	Wipe
AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-L-DUP-WF	506865-008	04/22/24 11:15	Wipe
AFRAME-C14E-MED-L2-INT-0 TO 0.5-240422-L-FB	506865-009	04/22/24 10:30	Wipe
AFRAME-C13E-MED-L1-UP-C13.6-DG-240422-L-SS	506865-010	04/22/24 11:20	Wipe
AFRAME-C13E-LAT-L1-UP-C13.7-DG-240422-L-LA	506865-011	04/22/24 11:10	Wipe
AFRAME-C14E-LAT-L1-HS-3-240422-L-A	506865-012	04/22/24 11:00	Wipe
AFRAME-C14E-MED-L1-HS-3-240422-L-A	506865-013	04/22/24 10:40	Wipe

ENTHALPY ANALYTICAL

Sample Summary

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #:	506865
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	04/22/24

Sample ID	Lab ID	Collected	Matrix
AFRAME-C14E-LAT-L1-HS-3-240422-L-DUP-A	506865-014	04/22/24 11:00	Wipe
AFRAME-C14E-MED-L1-HS-3-240422-L-G	506865-015	04/22/24 10:55	Wipe
AFRAME-C13E-LAT-L1-UP-C13.7-HS-240422-L-LA	506865-016	04/22/24 11:45	Wipe
AFRAME-C13E-LAT-L1-UP-C13.6-DG-240422-L-CB	506865-017	04/22/24 11:30	Wipe
AFRAME-C14E-MED-L1-EXT-1 TO 2-240422-L-WF	506865-018	04/22/24 11:55	Wipe
AFRAME-C13E-MED-L1-DN-C13.7-DG-240422-L-SS	506865-019	04/22/24 12:10	Wipe
AFRAME-C13E-LAT-L1-DN-C13.7-DG-240422-L-CB	506865-020	04/22/24 12:05	Wipe
240422-L-FIELDBLANK1-HO	506865-021	04/22/24 07:50	Wipe
240422-L-MEDBLANK1-HO	506865-022	04/22/24 11:27	Wipe
240422-L-FIELDBLANK2-HO	506865-023	04/22/24 11:30	Wipe
240422-L-MEDBLANK2-HO	506865-024	04/22/24 11:26	Wipe

ENTHALPY ANALYTICAL

Case Narrative

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 506865 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 04/22/24

This data package contains sample and QC results for twenty four wipe samples, requested for the above referenced project on 04/23/24. The samples were received cold and intact.

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

506865

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)					
Standard:		5 Day:		3 Day:	
2 Day:		1 Day:	X	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:	(551) 890-9556	Global ID:	
Fax:		Sampled By:	D. Welch + T. Sinnott

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
1	AFRAME-C13E-LAT-L2-UP-C13.2-VS-240422-L-I	4/22/2024	1025	WP	1	--	X		Confirmation Wipe Samples - Level II Report/Stage 2A Validation
2	AFRAME-C13E-LAT-L2-UP-C13.6-VS-240422-L-LA	4/22/2024	1030	WP	1	--	X		2x Rivet Type 2 = 0.0200 ft²
3	AFRAME-C14E-LAT-L2-INT-0.5 TO 1-240422-L-FB	4/22/2024	1020	WP	1	--	X		
4	AFRAME-C13E-LAT-L2-DN-C13.7-VS-240422-L-I	4/22/2024	1050	WP	1	--	X		
5	AFRAME-C13E-MED-L2-DN-C13.6-DG-240422-L-LA	4/22/2024	1125	WP	1	--	X		
6	AFRAME-C13E-LAT-L2-DN-C13.5-DG-240422-L-LA	4/22/2024	1055	WP	1	--	X		
7	AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-L-WF	4/22/2024	1115	WP	1	--	X		
8	AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-L-DUP-WF	4/22/2024	1115	WP	1	--	X		
9	AFRAME-C14E-MED-L2-INT-0 TO 0.5-240422-L-FB	4/22/2024	1030	WP	1	--	X		
10	AFRAME-C13E-MED-L1-UP-C13.6-DG-240422-L-SS	4/22/2024	1120	WP	1	--	X		
11	AFRAME-C13E-LAT-L1-UP-C13.7-DG-240422-L-LA	4/22/2024	1110	WP	1	--	X		1x Rivet Type 2 = 0.0100 ft²
12	AFRAME-C14E-LAT-L1-HS-3-240422-L-A	4/22/2024	1100	WP	1	--	X		
13	AFRAME-C14E-MED-L1-HS-3-240422-L-A	4/22/2024	1040	WP	1	--	X		
14	AFRAME-C14E-LAT-L1-HS-3-240422-L-DUP-A	4/22/2024	1100	WP	1	--	X		
15	AFRAME-C14E-MED-L1-HS-3-240422-L-G	4/22/2024	1055	WP	1	--	X		

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welch	Rincon / Env. Scientist	4/22/24 1355
1 Received By:	Audrey Hudson	AUDREY HUDSON	ENTHALPY	4/22/24 13:55
2 Relinquished By:	Audrey Hudson	"	"	4/22/24 16:45
2 Received By:		Jacob Holm	ENTHALPY	4/22/24 16:45
3 Relinquished By:		JELBERT QUITUGUA	E.A.	4.22.24 1831
3 Received By:	J. Quitugua		E.A.	4/23/24 1035

506865

ENTHALPY ANALYTICAL

Chain of Custody Record

COC ID:

Page: 2 of 2

Turn Around Time (rush by advanced notice only)

Standard:		5 Day:		3 Day:	
2 Day:		1 Day:	X	Custom TAT:	

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)

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

Analysis Request

Test Instructions / Comments

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

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 7 Enclosure A/B (High Occupancy)

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	Lead - EPA Method 3050/6010B	HOLD	Test Instructions / Comments
16	AFRAME-C13E-LAT-L1-UP-C13.7-HS-240422-L-LA	4/22/2024	1145	WP	1	--	X		2x Rivet Type 2 = 0.0200 ft²
17	AFRAME-C13E-LAT-L1-UP-C13.6-DG-240422-L-CB	4/22/2024	1130	WP	1	--	X		6x Rivet Type 2 = 0.0600 ft²
18	AFRAME-C14E-MED-L1-EXT-1 TO 2-240422-L-WF	4/22/2024	1155	WP	1	--	X		
19	AFRAME-C13E-MED-L1-DN-C13.7-DG-240422-L-SS	4/22/2024	1210	WP	1	--	X		
20	AFRAME-C13E-LAT-L1-DN-C13.7-DG-240422-L-CB	4/22/2024	1205	WP	1	--	X		
21	240422-L-FIELDBLANK1-HO	4/22/2024	0750	WP	1	--	X		
22	240422-L-MEDBLANK1-HO	4/22/2024	1127	WP	1	--	X		
23	240422-L-FIELDBLANK2-HO	4/22/2024	1130	WP	1	--	X		
24	240422-L-MEDBLANK2-HO	4/22/2024	1126	WP	1	--	X		DW
~~25~~	~~AFRAME-C13E-LAT-L2-UP-C13.3-VS-240422-L-L~~	~~4/22/2024~~		~~WP~~	~~1~~	~~--~~	~~X~~		DW
~~26~~	~~AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-L-LA~~	~~4/22/2024~~		~~WP~~	~~1~~	~~--~~	~~X~~		
27									
28									
29									
30									

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welch	Rincon / Env. Scientist	4/22/24 1355
[1] Received By:	Andrew Hudson	ANDREW HUDSON	ENTHALPY	4/22/24 1355
[2] Relinquished By:	Andrew Hudson			4/22/24 16:45
[2] Received By:		Jacob Holm	BA	4/22/24 16:45
[3] Relinquished By:			EA	4-22-24 1831
[3] Received By:	J. Quintero	VELBERT QUINTERO	E.A.	4/23/24 1035

The below sample checklist was completed after delivery of samples by the laboratory provided courier or Rincon personnel to Enthalpy Analytical in Berkeley, CA, therefore no custody seals were applied to the cooler.

SAMPLE RECEIPT CHECKLIST

ENTHALPY

Section 1: General Info

Date Received: 4/22/24 Login # 506865 Client: Rincon

Section 2: Shipping / Custody

Shipping Info: _____

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

Custody seals intact on arrival? ☐ Yes ☐ No ☑ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

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

Date Opened _____ By (print)_____ (sign)_____

☑ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? _____ Temp (°C): #1:_____ #2:_____ #3:_____ #4:_____ #5:_____ #6: _____

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

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

Section 4: Containers / Labels / Samples	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	✓		
Were Method 5035 sampling containers present? Transferred to freezer @:_____		✓	
Did all containers 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 about this delivery? Contacted:_____ By:_____ Date:_____		✓	

Section 5: Preservatives	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)			
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

☐ H2SO4 lot#_____ added to samples_____ Date/Time_____

☐ HCL lot#_____ added to samples_____ Date/Time_____

☐ HNO3 lot#_____ added to samples_____ Date/Time_____

☐ CrVI Buffer lot#_____ added to samples_____ Date/Time_____

Section 6: Explanations / Comments

_____

_____

_____

_____

_____

_____

_____

_____

_____

Date Logged 4/22/24 **By (print)** MM **(sign)** _____

Date Labeled 4-22-24 **By (print)** KHH **(sign)** _____

Enthalpy Analytical - Berkeley Rev.15.1, 09/13/2019

The below sample checklist was completed after the samples were shipped from the Enthalpy Analytical location in Berkeley, CA to the Enthalpy Analytical location in Orange, CA.

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: RINCON Project: HANGAR 1 - NCTRA WP

Date Received: 04/23/24 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: 2.9 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 1.4 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

506865

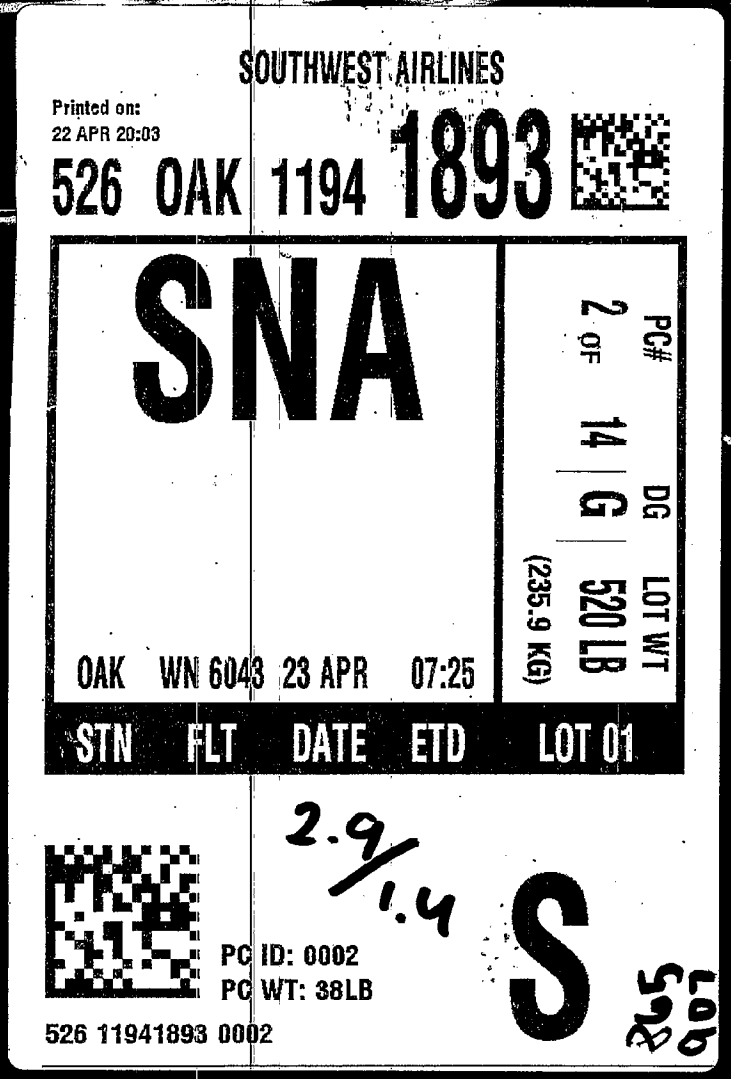
Section 6

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

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

Project Manager's response:

Completed By: J. Rentuyan Date: 4/23/24


SOUTHWEST AIRLINES
Printed on:
22 APR 20:03
526 OAK 1194 1893
SNA
PC# 2 OF 14
DG G
LOT WT 520 LB (235.9 KG)
OAK WN 6043 23 APR 07:25
STN FLT DATE ETD LOT 01
2.9/1.4
S
PC ID: 0002
PC WT: 38LB
526 11941893 0002

ENTHALPY ANALYTICAL

Lead

Lab #: 506865 **Project#:** 20-10491

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

Field ID: AFRAME-C13E-LAT-L2-UP-C13.2-VS-240422-L-I **Batch#:** 338528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-001 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 2.000 **Analyzed:** 04/24/24

506865-001 Analyte	Result	RL	Units
Lead	**460**	0.50	ug/ft2

Field ID: AFRAME-C13E-LAT-L2-UP-C13.6-VS-240422-L-LA **Batch#:** 338528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-002 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-002 Analyte	Result	RL	Units
Lead	**320**	0.50	ug/ft2

Field ID: AFRAME-C14E-LAT-L2-INT-0.5 TO 1-240422-L-FB **Batch#:** 338528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-003 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-003 Analyte	Result	RL	Units
Lead	**170**	0.50	ug/ft2

Field ID: AFRAME-C13E-LAT-L2-DN-C13.7-VS-240422-L-I **Batch#:** 338528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-004 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-004 Analyte	Result	RL	Units
Lead	**19**	0.50	ug/ft2

Field ID: AFRAME-C13E-MED-L2-DN-C13.6-DG-240422-L-LA **Batch#:** 338528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-005 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-005 Analyte	Result	RL	Units
Lead	**380**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 506865 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C13E-LAT-L2-DN-C13.5-DG-240422-L-LA **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-006 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-006 Analyte	Result	RL	Units
Lead	**330**	0.50	ug/ft2

Field ID: AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-L-WF **Batch#:** 338528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-007 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-007 Analyte	Result	RL	Units
Lead	**77**	0.50	ug/ft2

Field ID: AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-L-DUP-WF **Batch#:** 338528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-008 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-008 Analyte	Result	RL	Units
Lead	**47**	0.50	ug/ft2

Field ID: AFRAME-C14E-MED-L2-INT-0 TO 0.5-240422-L-FB **Batch#:** 338528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-009 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-009 Analyte	Result	RL	Units
Lead	**75**	0.50	ug/ft2

Field ID: AFRAME-C13E-MED-L1-UP-C13.6-DG-240422-L-SS **Batch#:** 338528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-010 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-010 Analyte	Result	RL	Units
Lead	**260**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 506865 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C13E-LAT-L1-UP-C13.7-DG-240422-L-LA **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-011 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-011 Analyte	Result	RL	Units
Lead	**29**	0.50	ug/ft2

Field ID: AFRAME-C14E-LAT-L1-HS-3-240422-L-A **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-012 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-012 Analyte	Result	RL	Units
Lead	**110**	0.50	ug/ft2

Field ID: AFRAME-C14E-MED-L1-HS-3-240422-L-A **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-013 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-013 Analyte	Result	RL	Units
Lead	**68**	0.50	ug/ft2

Field ID: AFRAME-C14E-LAT-L1-HS-3-240422-L-DUP-A **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-014 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-014 Analyte	Result	RL	Units
Lead	**100**	0.50	ug/ft2

Field ID: AFRAME-C14E-MED-L1-HS-3-240422-L-G **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-015 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-015 Analyte	Result	RL	Units
Lead	**330**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 506865 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C13E-LAT-L1-UP-C13.7-HS-240422-L-LA **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-016 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-016 Analyte	Result	RL	Units
Lead	**29**	0.50	ug/ft2

Field ID: AFRAME-C13E-LAT-L1-UP-C13.6-DG-240422-L-CB **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-017 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-017 Analyte	Result	RL	Units
Lead	**130**	0.50	ug/ft2

Field ID: AFRAME-C14E-MED-L1-EXT-1 TO 2-240422-L-WF **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-018 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-018 Analyte	Result	RL	Units
Lead	**33**	0.50	ug/ft2

Field ID: AFRAME-C13E-MED-L1-DN-C13.7-DG-240422-L-SS **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-019 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-019 Analyte	Result	RL	Units
Lead	**38**	0.50	ug/ft2

Field ID: AFRAME-C13E-LAT-L1-DN-C13.7-DG-240422-L-CB **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-020 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-020 Analyte	Result	RL	Units
Lead	**100**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 506865 **Project#:** 20-10491

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

Field ID: 240422-L-FIELDBLANK1-HO **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-021 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-021 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: 240422-L-MEDBLANK1-HO **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-022 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-022 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Field ID: 240422-L-FIELDBLANK2-HO **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-023 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-023 Analyte	Result	RL	Units
Lead	**0.92**	0.50	ug/ft2

Field ID: 240422-L-MEDBLANK2-HO **Batch#:** 338562 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506865-024 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506865-024 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Type: BLANK **Batch#:** 338528 **Analysis:** EPA 6010B
Lab ID: QC1147107 **Prepared:** 04/23/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 04/23/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1147107 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 506865 **Project#:** 20-10491

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

Type:	BLANK	**Batch#:**	338562	**Analysis:**	EPA 6010B
Lab ID:	QC1147204	**Prepared:**	04/23/24	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	04/23/24		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1147204 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 506865 **Project#:** 20-10491

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

Type: BS **Batch#:** 338528 **Analysis:** EPA 6010B
Lab ID: QC1147108 **Prepared:** 04/23/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 04/23/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1147108 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	107.1	107	80-120	ug/ft2

Type: BS **Batch#:** 338562 **Analysis:** EPA 6010B
Lab ID: QC1147205 **Prepared:** 04/23/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 04/23/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1147205 Analyte	Spiked	Result	%REC	Limits	Units
Lead	50.00	52.99	106	80-120	ug/ft2

Type: BSD **Batch#:** 338528 **Analysis:** EPA 6010B
Lab ID: QC1147109 **Prepared:** 04/23/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 04/23/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1147109 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	109.7	110	80-120	ug/ft2	2	20

Type: BSD **Batch#:** 338562 **Analysis:** EPA 6010B
Lab ID: QC1147206 **Prepared:** 04/23/24 **Analyst:** SBW
Matrix: Wipe **Analyzed:** 04/23/24
Diln Fac: 1.000 **Prep:** EPA 3050B

QC1147206 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	50.00	53.16	106	80-120	ug/ft2	0	20

Legend

RPD: Relative Percent Difference

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

enthalpy.com

Lab Job Number : 506868
Report Level : IV
Report Date : 04/30/2024

PCBs

Analytical Report *prepared for:*

Austin Moore
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

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #:	506868
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	04/22/24

Sample ID	Lab ID	Collected	Matrix
AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-LA	506868-001	04/22/24 07:45	Wipe
AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-DUP-LA	506868-002	04/22/24 07:45	Wipe
AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-P-LA	506868-004	04/22/24 08:05	Wipe
AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-P-WF	506868-006	04/22/24 08:15	Wipe
AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-P-LA	506868-008	04/22/24 08:30	Wipe
AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-P-WF	506868-010	04/22/24 09:20	Wipe
AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-P-LA	506868-013	04/22/24 08:50	Wipe
AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-P-LA	506868-015	04/22/24 09:05	Wipe
AFRAME-C14E-MED-L2-HS-1-240422-P-G	506868-017	04/22/24 09:35	Wipe
AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-P-I	506868-019	04/22/24 09:55	Wipe
240422-P-FIELDBLANK1-HO	506868-021	04/22/24 07:50	Wipe
AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-P-LA	506868-023	04/22/24 10:20	Wipe

Case Narrative
PCBS (EPA 8082)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 506868 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 04/22/24

This data package contains sample and QC results for twelve wipe samples, requested for the above referenced project on 04/23/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

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

Chain of Custody

506868

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (PB)	custom TAT:	

Enthalpy Analytical - Orange

931 W. Barkley Avenue, Orange, CA 92868

Phone 714-771-6900

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
1	AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-LA	4/22/2024	0745	WP	1	--	X			**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation** Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 7 Enclosure A/B (High Occupancy)
2	AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-DUP-LA	4/22/2024	0745	WP	1	--	X			
3	AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-L-LA	4/22/2024	0745	WP	1	--		X		
4	AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-P-LA	4/22/2024	0805	WP	1	--	X			
5	AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-L-LA	4/22/2024	0805	WP	1	--		X		
6	AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-P-WF	4/22/2024	0815	WP	1	--	X			
7	AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-L-WF	4/22/2024	0815	WP	1	--		X		
8	AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-P-LA	4/22/2024	0830	WP	1	--	X			
9	AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-L-LA	4/22/2024	0830	WP	1	--		X		
~~10~~	~~AFRAME-C13E-MED-L3-UP-C13.3-DG-240422-P-LA~~	~~4/22/2024~~		WP	1		X			DW
~~11~~	~~AFRAME-C13E-MED-L3-UP-C13.3-DG-240422-L-LA~~	~~4/22/2024~~		WP	1			X		DW
12	AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-P-WF	4/22/2024	0920	WP	1	--	X			
13	AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-WF	4/22/2024	0920	WP	1	--		X		
14	AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-DUP-WF	4/22/2024	0920	WP	1	--		X		
15	AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-P-LA	4/22/2024	0850	WP	1	--	X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon / Env. Scientist	4/22/24 1355
1 Received By:	Andrea Hudson	ENTHALPY "	ANDREA HUDSON "	4/22/24 13:55
2 Relinquished By:	Audrey Hudson			4/22/24 16:45
2 Received By:		Kenneth High	BA	4/22/24 16:45
3 Relinquished By:			EA	4/22/24 18:46
3 Received By:	J. Quintana	JELBERT QUINTANA	E.A.	4/23/24 1035

506868

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

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
16	AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-L-LA	4/22/2024	0850	WP	1	--		X		
17	AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-P-LA	4/22/2024	0905	WP	1	--	X			
18	AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-L-LA	4/22/2024	0905	WP	1	--		X		
19	AFRAME-C14E-MED-L2-HS-1-240422-P-G	4/22/2024	0935	WP	1	--	X			
20	AFRAME-C14E-MED-L2-HS-1-240422-L-G	4/22/2024	0935	WP	1	--		X		2xRivet Type 1= 0.0276 ft²
21	AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-P-I	4/22/2024	0955	WP	1	--	X			
22	AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-L-I	4/22/2024	0955	WP	1	--		X		
23	240422-P-FIELDBLANK1-HO	4/22/2024	0750	WP	1	--	X			
24	AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-L-LA	4/22/24	1020	WP	1	--		X		
25	AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-P-LA	4/22/24	1020	WP	1	--	X			
26										
27										
28										
29										
30										

Analysis Request

Test Instructions / Comments

~~Confirmation Wipe Samples – Level IV~~ Report/Stage 3 Validation

Report PCB concentrations on a µg/100cm2 basis

Report lead concentrations on a µg/ft2 basis

Report Aroclor 1268 concentrations in addition to the standard Aroclors

Wipe samples collected from Zone 7 Enclosure A/B (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon / Env. Scientist	4/22/24 1355
1 Received By:	Audrey Ichidson	AUDREY ICHIDSON	ENTHALPY	4/22/24 13:55
2 Relinquished By:	Audrey Ichidson	AUDREY ICHIDSON	ENTHALPY	4/22/24 16:45
2 Received By:		Maxwell Kys	FedEx	4/22/24 16:45
3 Relinquished By:				
3 Received By:	J. Quintana	JOBERT QUITUGUA	E.A.	4/23/24 1035

The below sample checklist was completed after delivery of samples by the laboratory provided courier or Rincon personnel to Enthalpy Analytical in Berkeley, CA, therefore no custody seals were applied to the cooler.

SAMPLE RECEIPT CHECKLIST

ENTHALPY ANALYTICAL

Section 1: General Info

Date Received: 4/22/24 Login # 506868 Client: Rincon

Section 2: Shipping / Custody

Shipping Info: _____

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

Custody seals intact on arrival? ☐ Yes ☐ No ☑ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

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

Date Opened 4/22/24 By (print) Kenneth High (sign) [signature]

☑ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1:_____ #2:_____ #3:_____ #4:_____ #5:_____ #6: _____

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

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

Section 4: Containers / Labels / Samples	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	✓		
Were Method 5035 sampling containers present? Transferred to freezer @:_____		✓	
Did all containers 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 about this delivery? Contacted:_____ By:_____ Date:_____		✓	

Section 5: Preservatives	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)	✓		
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

☐ H2SO4 lot#_____ added to samples_____ Date/Time_____

☐ HCL lot#_____ added to samples_____ Date/Time_____

☐ HNO3 lot#_____ added to samples_____ Date/Time_____

☐ CrVI Buffer lot#_____ added to samples_____ Date/Time_____

Section 6: Explanations / Comments

Date Logged 4/22/24 **By (print)** Kenneth High for MAY **(sign)** [signature]

Date Labeled 4/22/24 **By (print)** Kenneth High **(sign)** [signature]

Enthalpy Analytical - Berkeley

Rev.15.1, 09/13/2019

The below sample checklist was completed after the samples were shipped from the Enthalpy Analytical location in Berkeley, CA to the Enthalpy Analytical location in Orange, CA.

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: RINCON Project: HANGAR 1 - NCTRA WP

Date Received: 04/23/24 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: 2.4 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 1.7 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

506868

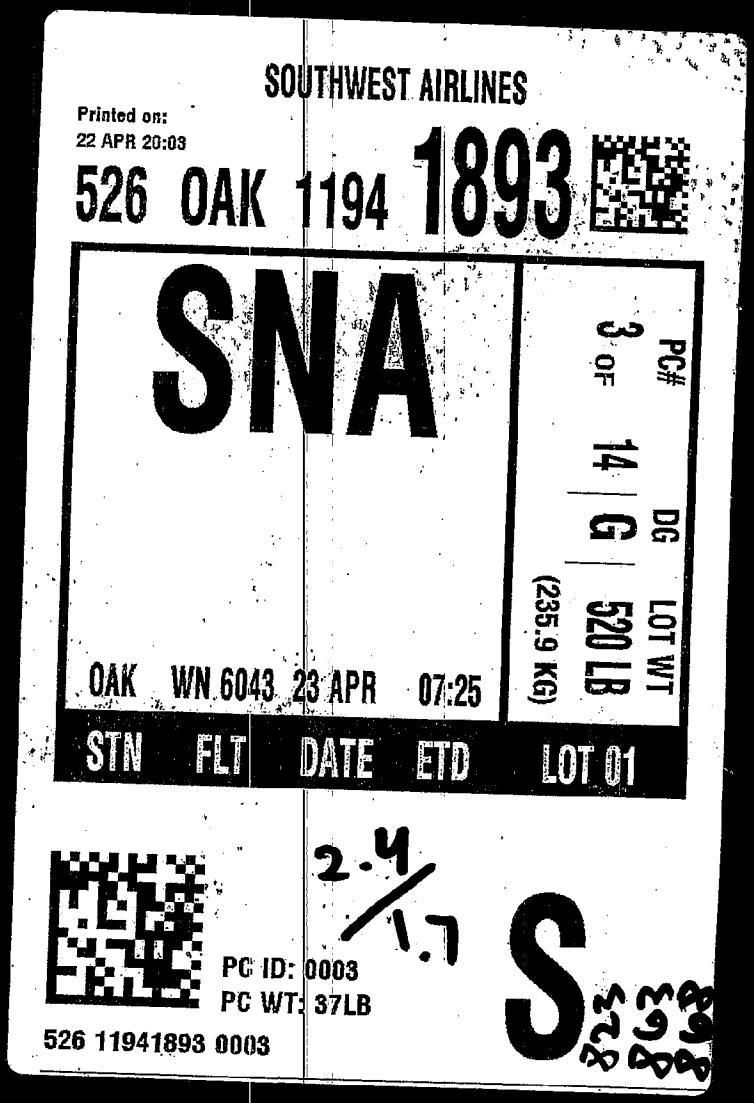
Section 6

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

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

Project Manager's response:

Completed By: J. Quintana Date: 4/23/24


SOUTHWEST AIRLINES
Printed on:
22 APR 20:03
526 OAK 1194 1893
SNA
PC# 3 OF 14
DG G
LOT WT 520 LB (235.9 KG)
OAK WN 6043 23 APR 07:25
STN FLT DATE ETD LOT 01
2.4/1.7
PC ID: 0003
PC WT: 37LB
526 11941893 0003
S

Results & QC Summary

Enthalpy Analytical - Orange Analytical Report

Lab #: 506868 **Project#:** 20-10491

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

Field ID: AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-LA **Batch#:** 338600 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 8082

Lab ID: 506868-001 **Received:** 04/22/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 04/24/24

Diln Fac: 1.000 **Analyzed:** 04/24/24

506868-001 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

506868-001 Surrogate	%REC	Limits
TCMX (PCB)	69	19-121
Decachlorobiphenyl (PCB)	51	19-121

Field ID: AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-DUP-LA **Batch#:** 338600 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 8082

Lab ID: 506868-002 **Received:** 04/22/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 04/24/24

Diln Fac: 1.000 **Analyzed:** 04/24/24

506868-002 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

506868-002 Surrogate	%REC	Limits
TCMX (PCB)	78	19-121
Decachlorobiphenyl (PCB)	57	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 506868 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-P-LA **Batch#:** 338600 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 8082
Lab ID: 506868-004 **Received:** 04/22/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 04/24/24
Diln Fac: 1.000 **Analyzed:** 04/24/24

506868-004 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

506868-004 Surrogate	%REC	Limits
TCMX (PCB)	77	19-121
Decachlorobiphenyl (PCB)	56	19-121

Field ID: AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-P-WF **Batch#:** 338600 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 8082
Lab ID: 506868-006 **Received:** 04/22/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 04/24/24
Diln Fac: 1.000 **Analyzed:** 04/24/24

506868-006 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

506868-006 Surrogate	%REC	Limits
TCMX (PCB)	70	19-121
Decachlorobiphenyl (PCB)	50	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 506868 **Project#:** 20-10491

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

Field ID: AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-P-LA **Batch#:** 338600 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 8082

Lab ID: 506868-008 **Received:** 04/22/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 04/24/24

Diln Fac: 1.000 **Analyzed:** 04/24/24

506868-008 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

506868-008 Surrogate	%REC	Limits
TCMX (PCB)	67	19-121
Decachlorobiphenyl (PCB)	48	19-121

Field ID: AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-P-WF **Batch#:** 338600 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 8082

Lab ID: 506868-010 **Received:** 04/22/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 04/24/24

Diln Fac: 1.000 **Analyzed:** 04/24/24

506868-010 Analyte	Result	RL	Units
Aroclor-1016	ND	0.50	ug/100 cm2
Aroclor-1221	ND	0.50	ug/100 cm2
Aroclor-1232	ND	0.50	ug/100 cm2
Aroclor-1242	ND	0.50	ug/100 cm2
Aroclor-1248	ND	0.50	ug/100 cm2
Aroclor-1254	ND	0.50	ug/100 cm2
Aroclor-1260	ND	0.50	ug/100 cm2
Aroclor-1262	ND	0.50	ug/100 cm2
Aroclor-1268	ND	0.50	ug/100 cm2

506868-010 Surrogate	%REC	Limits
TCMX (PCB)	83	19-121
Decachlorobiphenyl (PCB)	60	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 506868 **Project#:** 20-10491

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

Field ID: AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-P-LA **Batch#:** 338600 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 8082

Lab ID: 506868-013 **Received:** 04/22/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 04/24/24

Diln Fac: 1.000 **Analyzed:** 04/24/24

506868-013 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

506868-013 Surrogate	%REC	Limits
TCMX (PCB)	79	19-121
Decachlorobiphenyl (PCB)	53	19-121

Field ID: AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-P-LA **Batch#:** 338600 **Prep:** EPA 3546

Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 8082

Lab ID: 506868-015 **Received:** 04/22/24 **Analyst:** MES

Matrix: Wipe **Prepared:** 04/24/24

Diln Fac: 1.000 **Analyzed:** 04/24/24

506868-015 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

506868-015 Surrogate	%REC	Limits
TCMX (PCB)	65	19-121
Decachlorobiphenyl (PCB)	47	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 506868 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C14E-MED-L2-HS-1-240422-P-G **Batch#:** 338600 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 8082
Lab ID: 506868-017 **Received:** 04/22/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 04/24/24
Diln Fac: 1.000 **Analyzed:** 04/24/24

506868-017 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

506868-017 Surrogate	%REC	Limits
TCMX (PCB)	72	19-121
Decachlorobiphenyl (PCB)	54	19-121

Field ID: AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-P-I **Batch#:** 338600 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 8082
Lab ID: 506868-019 **Received:** 04/22/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 04/24/24
Diln Fac: 1.000 **Analyzed:** 04/24/24

506868-019 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

506868-019 Surrogate	%REC	Limits
TCMX (PCB)	77	19-121
Decachlorobiphenyl (PCB)	58	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 506868 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: 240422-P-FIELDBLANK1-HO **Batch#:** 338600 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 8082
Lab ID: 506868-021 **Received:** 04/22/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 04/24/24
Diln Fac: 1.000 **Analyzed:** 04/24/24

506868-021 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

506868-021 Surrogate	%REC	Limits
TCMX (PCB)	76	19-121
Decachlorobiphenyl (PCB)	58	19-121

Field ID: AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-P-LA **Batch#:** 338600 **Prep:** EPA 3546
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 8082
Lab ID: 506868-023 **Received:** 04/22/24 **Analyst:** MES
Matrix: Wipe **Prepared:** 04/24/24
Diln Fac: 1.000 **Analyzed:** 04/24/24

506868-023 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

506868-023 Surrogate	%REC	Limits
TCMX (PCB)	80	19-121
Decachlorobiphenyl (PCB)	58	19-121

Enthalpy Analytical - Orange Analytical Report

Lab #: 506868 **Project#:** 20-10491

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

Type:	BLANK	**Batch#:**	338600	**Analysis:**	EPA 8082
Lab ID:	QC1147336	**Prepared:**	04/24/24	**Analyst:**	MES
Matrix:	Wipe	**Analyzed:**	04/24/24		
Diln Fac:	1.000	**Prep:**	EPA 3546		

QC1147336 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

QC1147336 Surrogate	%REC	Limits
TCMX (PCB)	81	19-121
Decachlorobiphenyl (PCB)	61	19-121

Legend

ND: Not Detected

RL: Reporting Limit

Enthalpy Analytical - Orange Analytical Report: Batch QC

Lab #: 506868 **Project#:** 20-10491

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

Type: BS **Batch#:** 338600 **Analysis:** EPA 8082

Lab ID: QC1147337 **Prepared:** 04/24/24 **Analyst:** MES

Matrix: Wipe **Analyzed:** 04/24/24

Diln Fac: 1.000 **Prep:** EPA 3546

QC1147337 Analyte	Spiked	Result	%REC	Limits	Units
Aroclor-1016	5.000	3.898	78	60-140	ug/100 cm2
Aroclor-1260	5.000	3.529	71	60-140	ug/100 cm2

QC1147337 Surrogate	%REC	Limits
TCMX (PCB)	77	19-121
Decachlorobiphenyl (PCB)	65	19-121

Type: BSD **Batch#:** 338600 **Analysis:** EPA 8082

Lab ID: QC1147338 **Prepared:** 04/24/24 **Analyst:** MES

Matrix: Wipe **Analyzed:** 04/24/24

Diln Fac: 1.000 **Prep:** EPA 3546

QC1147338 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Aroclor-1016	5.000	4.380	88	60-140	ug/100 cm2	12	20
Aroclor-1260	5.000	3.859	77	60-140	ug/100 cm2	9	20

QC1147338 Surrogate	%REC	Limits
TCMX (PCB)	88	19-121
Decachlorobiphenyl (PCB)	68	19-121

Legend

RPD: Relative Percent Difference

ENTHALPY INITIAL CALIBRATION FOR 506868 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_032624_1
Calibration #:	454124679002	Date:	26-MAR-2024 13:59
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_032624014	454124679014		26-MAR-2024 13:59	S20226
L2	gc06_032624015	454124679015		26-MAR-2024 14:19	S20227
L3	gc06_032624016	454124679016		26-MAR-2024 14:38	S20228
L4	gc06_032624018	454124679018		26-MAR-2024 15:18	S20229
L5	gc06_032624019	454124679019		26-MAR-2024 15:37	S20230
L6	gc06_032624020	454124679020		26-MAR-2024 15:57	S20231
L7	gc06_032624021	454124679021		26-MAR-2024 16:17	S20232
L8	gc06_032624022	454124679022		26-MAR-2024 16:37	S20233
L9	gc06_032624023	454124679023		26-MAR-2024 16:57	S20234
L10	gc06_032624024	454124679024		26-MAR-2024 19:13	S20235

ENTHALPY INITIAL CALIBRATION FOR 506868 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_032624_1
Calibration #:	454124679002	Date:	26-MAR-2024 13:59
Units:	ug/L	X Axis:	R

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		46.5123		0.0215	13	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		24.1600		0.0414	16	10	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.6964		0.0508	11	10	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		27.8977		0.0358	17	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		33.2984		0.0300	15	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.3487		0.0612	16	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.6867		0.0936	17	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		10.1396		0.0986	16	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		17.6267		0.0567	13	10	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.7874		0.0633	12	8	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.83991		1.1906	13	10	.99	20	
TCMX (PCB)	A	AVRG		1.11059		0.9004	8	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		54.1091		0.0185	17	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		27.0467		0.0370	15	10	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.5273		0.0512	13	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		29.5412		0.0339	12	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		35.2903		0.0283	16	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		17.8639		0.0560	18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.6853		0.0681	20	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.9091		0.0840	17	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		19.1515		0.0522	19	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.2230		0.0703	19	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		1.22309		0.8176	16	9	.99	20	
TCMX (PCB)	B	AVRG		1.15306		0.8673	10	10	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 506868 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_032624_1
Calibration #:	454124679002	Date:	26-MAR-2024 13:59
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	L10 RF
Aroclor-1016 Peak # 1	A	0.0245	0.0264	0.0247	0.0226	0.0207	0.0203	0.0192	0.0197	0.0182	0.0186
Aroclor-1016 Peak # 2	A	0.0537	0.0496	0.0459	0.0449	0.0405	0.0378	0.0350	0.0375	0.0340	0.0349
Aroclor-1016 Peak # 3	A	0.0568	0.0586	0.0579	0.0551	0.0481	0.0470	0.0452	0.0485	0.0444	0.0460
Aroclor-1016 Peak # 4	A		0.0486	0.0418	0.0383	0.0342	0.0325	0.0313	0.0334	0.0305	0.0321
Aroclor-1016 Peak # 5	A	0.0392	0.0320	0.0356	0.0313	0.0291	0.0280	0.0252	0.0280	0.0254	0.0266
Aroclor-1260 Peak # 1	A		0.0765	0.0733	0.0711	0.0594	0.0553	0.0515	0.0590	0.0502	0.0541
Aroclor-1260 Peak # 2	A		0.1197	0.1103	0.1081	0.0910	0.0849	0.0782	0.0902	0.0757	0.0839
Aroclor-1260 Peak # 3	A		0.1241	0.1180	0.1107	0.0919	0.0905	0.0824	0.0968	0.0797	0.0936
Aroclor-1260 Peak # 4	A	0.0692	0.0605	0.0614	0.0644	0.0542	0.0525	0.0478	0.0565	0.0465	0.0542
Aroclor-1260 Peak # 5	A			0.0733	0.0739	0.0618	0.0588	0.0551	0.0644	0.0542	0.0653
Decachlorobiphenyl (PCB)	A	1.2253	1.2559	1.3968	1.4261	1.1280	1.0879	0.9783	1.2229	0.9620	1.2230
TCMX (PCB)	A	1.0279	1.0067	0.9624	0.9028	0.8535	0.8207	0.8144	0.8813	0.8463	0.8882
Aroclor-1016 Peak # 1	B	0.0247	0.0199	0.0222	0.0195	0.0178	0.0165	0.0164	0.0173	0.0157	0.0149
Aroclor-1016 Peak # 2	B	0.0441	0.0453	0.0421	0.0410	0.0353	0.0334	0.0328	0.0344	0.0311	0.0303
Aroclor-1016 Peak # 3	B		0.0576	0.0636	0.0572	0.0518	0.0477	0.0462	0.0487	0.0438	0.0443
Aroclor-1016 Peak # 4	B	0.0405	0.0308	0.0416	0.0344	0.0326	0.0335	0.0313	0.0334	0.0301	0.0304
Aroclor-1016 Peak # 5	B	0.0382	0.0319	0.0322	0.0300	0.0258	0.0251	0.0254	0.0264	0.0237	0.0246
Aroclor-1260 Peak # 1	B		0.0724	0.0693	0.0637	0.0528	0.0503	0.0504	0.0524	0.0445	0.0481
Aroclor-1260 Peak # 2	B		0.0889	0.0880	0.0773	0.0634	0.0626	0.0597	0.0636	0.0524	0.0571
Aroclor-1260 Peak # 3	B		0.1083	0.1037	0.0935	0.0784	0.0766	0.0740	0.0805	0.0670	0.0739
Aroclor-1260 Peak # 4	B	0.0732	0.0575	0.0608	0.0546	0.0479	0.0470	0.0411	0.0509	0.0420	0.0472
Aroclor-1260 Peak # 5	B		0.0961	0.0855	0.0786	0.0652	0.0638	0.0600	0.0669	0.0546	0.0621
Decachlorobiphenyl (PCB)	B		0.9286	1.0526	0.9508	0.7771	0.7664	0.7062	0.8119	0.6301	0.7347
TCMX (PCB)	B	0.9620	0.9157	1.0250	0.9242	0.8303	0.7920	0.7750	0.8022	0.7986	0.8477

ENTHALPY INITIAL CALIBRATION FOR 506868 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_032624_1
Calibration #:	454124679002	Date:	26-MAR-2024 13:59
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	10.000	14	20.000	**23**	50.000	15	100.00	5	250.00	-4	500.00	-6	750.00	-11	1000.0	-8
Aroclor-1016 Peak # 2	A	10.000	30	20.000	20	50.000	11	100.00	9	250.00	-2	500.00	-9	750.00	-15	1000.0	-9
Aroclor-1016 Peak # 3	A	10.000	12	20.000	15	50.000	14	100.00	9	250.00	-5	500.00	-7	750.00	-11	1000.0	-4
Aroclor-1016 Peak # 4	A			20.000	36	50.000	17	100.00	7	250.00	-4	500.00	-9	750.00	-13	1000.0	-7
Aroclor-1016 Peak # 5	A	10.000	30	20.000	6	50.000	18	100.00	4	250.00	-3	500.00	-7	750.00	-16	1000.0	-7
Aroclor-1260 Peak # 1	A			20.000	25	50.000	20	100.00	16	250.00	-3	500.00	-10	750.00	-16	1000.0	-3
Aroclor-1260 Peak # 2	A			20.000	28	50.000	18	100.00	16	250.00	-3	500.00	-9	750.00	-16	1000.0	-4
Aroclor-1260 Peak # 3	A			20.000	26	50.000	20	100.00	12	250.00	-7	500.00	-8	750.00	-16	1000.0	-2
Aroclor-1260 Peak # 4	A	10.000	22	20.000	7	50.000	8	100.00	14	250.00	-5	500.00	-7	750.00	-16	1000.0	0
Aroclor-1260 Peak # 5	A					50.000	16	100.00	17	250.00	-2	500.00	-7	750.00	-13	1000.0	2
Decachlorobiphenyl (PCB)	A	0.8000	3	1.6000	5	4.0000	17	8.0000	20	20.000	-5	40.000	-9	60.000	-18	80.000	3
TCMX (PCB)	A	0.8000	14	1.6000	12	4.0000	7	8.0000	0	20.000	-5	40.000	-9	60.000	-10	80.000	-2
Aroclor-1016 Peak # 1	B	10.000	34	20.000	8	50.000	20	100.00	5	250.00	-4	500.00	-11	750.00	-11	1000.0	-7
Aroclor-1016 Peak # 2	B	10.000	19	20.000	**22**	50.000	14	100.00	11	250.00	-5	500.00	-10	750.00	-11	1000.0	-7
Aroclor-1016 Peak # 3	B			20.000	13	50.000	**24**	100.00	12	250.00	1	500.00	-7	750.00	-10	1000.0	-5
Aroclor-1016 Peak # 4	B	10.000	20	20.000	-9	50.000	**23**	100.00	2	250.00	-4	500.00	-1	750.00	-8	1000.0	-1
Aroclor-1016 Peak # 5	B	10.000	35	20.000	13	50.000	14	100.00	6	250.00	-9	500.00	-11	750.00	-10	1000.0	-7
Aroclor-1260 Peak # 1	B			20.000	29	50.000	**24**	100.00	14	250.00	-6	500.00	-10	750.00	-10	1000.0	-6
Aroclor-1260 Peak # 2	B			20.000	31	50.000	**29**	100.00	14	250.00	-7	500.00	-8	750.00	-12	1000.0	-7
Aroclor-1260 Peak # 3	B			20.000	29	50.000	**23**	100.00	11	250.00	-7	500.00	-9	750.00	-12	1000.0	-4
Aroclor-1260 Peak # 4	B	10.000	40	20.000	10	50.000	16	100.00	5	250.00	-8	500.00	-10	750.00	**-21**	1000.0	-3
Aroclor-1260 Peak # 5	B			20.000	37	50.000	**22**	100.00	12	250.00	-7	500.00	-9	750.00	-15	1000.0	-5
Decachlorobiphenyl (PCB)	B			1.6000	14	4.0000	**29**	8.0000	16	20.000	-5	40.000	-6	60.000	-14	80.000	-1
TCMX (PCB)	B	0.8000	11	1.6000	6	4.0000	18	8.0000	7	20.000	-4	40.000	-9	60.000	-11	80.000	-8

ENTHALPY INITIAL CALIBRATION FOR 506868 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_032624_1
Calibration #:	454124679002	Date:	26-MAR-2024 13:59
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-15	2000.0	-14
Aroclor-1016 Peak # 2	A	1500.0	-18	2000.0	-16
Aroclor-1016 Peak # 3	A	1500.0	-12	2000.0	-9
Aroclor-1016 Peak # 4	A	1500.0	-15	2000.0	-11
Aroclor-1016 Peak # 5	A	1500.0	-15	2000.0	-11
Aroclor-1260 Peak # 1	A	1500.0	-18	2000.0	-12
Aroclor-1260 Peak # 2	A	1500.0	-19	2000.0	-10
Aroclor-1260 Peak # 3	A	1500.0	-19	2000.0	-5
Aroclor-1260 Peak # 4	A	1500.0	-18	2000.0	-4
Aroclor-1260 Peak # 5	A	1500.0	-14	2000.0	3
Decachlorobiphenyl (PCB)	A	120.00	-19	160.00	3
TCMX (PCB)	A	120.00	-6	160.00	-1
Aroclor-1016 Peak # 1	B	1500.0	-15	2000.0	-19
Aroclor-1016 Peak # 2	B	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 3	B	1500.0	-15	2000.0	-13
Aroclor-1016 Peak # 4	B	1500.0	-11	2000.0	-10
Aroclor-1016 Peak # 5	B	1500.0	-16	2000.0	-13
Aroclor-1260 Peak # 1	B	1500.0	**-21**	2000.0	-14
Aroclor-1260 Peak # 2	B	1500.0	**-23**	2000.0	-16
Aroclor-1260 Peak # 3	B	1500.0	-20	2000.0	-12
Aroclor-1260 Peak # 4	B	1500.0	-20	2000.0	-10
Aroclor-1260 Peak # 5	B	1500.0	**-22**	2000.0	-12
Decachlorobiphenyl (PCB)	B	120.00	**-23**	160.00	-10
TCMX (PCB)	B	120.00	-8	160.00	-2

MTS 03/27/24 : Corrected automatically drawn baseline for all channels in all levels.

MTS 03/27/24 [Aroclor-1016 Peak # 3 B]: Separated from coeluting peak for all channels in all levels.

Analyst: MTS 03/27/24 **Reviewer:** LW 03/27/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 506868 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_032624_1
Calnum:	454124679002	Cal Date:	26-MAR-2024

- ICV 454124679026 (gc06_032624026 26-MAR-2024) stds: S20242

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	518.1	ug/L	4	15	
Aroclor-1260	A	500.0	492.4	ug/L	-2	15	
Aroclor-1016	B	500.0	529.2	ug/L	6	15	
Aroclor-1260	B	500.0	474.1	ug/L	-5	15	

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Analyst: MTS 03/27/24 **Reviewer:** LW 03/27/24

ENTHALPY CONTINUING CALIBRATION FOR 506868 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	454166111016	File:	gc06_042424016	Time:	24-APR-2024 13:03
Cal:	454124679002	Caldate:	26-MAR-2024		

Standards: S20460

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	507.5	ug/L	2	15	0.0000	
Aroclor-1260	A			500.0	532.4	ug/L	6	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1906	1.1850	40.00	39.81	ug/L	0	15	0.0000	
TCMX (PCB)	A	0.9004	0.9444	40.00	41.95	ug/L	5	15	0.0000	
Aroclor-1016	B			500.0	522.9	ug/L	5	15	0.0000	
Aroclor-1260	B			500.0	486.4	ug/L	-3	15	0.0000	
Decachlorobiphenyl (PCB)	B	0.8176	0.7457	40.00	36.48	ug/L	-9	15	0.0000	
TCMX (PCB)	B	0.8673	0.8436	40.00	38.91	ug/L	-3	15	0.0000	

ISTD (ICAL gc06_032624016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	32342806	45912064	41.95
1-bromo-2-nitrobenzene (PCB)	A	2506887	3177182	26.74

04/24/24 : 500 PPB PCB CCV

MES 04/24/24 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

MES 04/24/24 [Aroclor-1260 A]: Corrected automatically drawn baseline for Ch. A.

Analyst: MES 04/24/24 **Reviewer:** MTS 04/29/24

Enthalpy Internal Standard Summary for Sequence 454166111

Date:	04/24/24	Reference:	gc06_032624016
Sequence:	SVOA-GC06 gc06_042424	Analyzed:	03/26/24 14:38

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		ICAL STD	32342806	2506887
		LOWER LIMIT	16171403	1253444
		UPPER LIMIT	64685612	5013774
016	CCV		45912064	3177182

Enthalpy Internal Standard Summary for Sequence 454166111

Date: 04/24/24 Reference: gc06_042424016
Sequence: SVOA-GC06 gc06_042424 Analyzed: 04/24/24 13:03

#	Type	Sample ID	1BR2NITROBZPCB B	1BR2NITROBZPCB A
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV STD	45912064	3177182
		LOWER LIMIT	22956032	1588591
		UPPER LIMIT	91824129	6354365
022	BLANK	QC1147336	50279440	2014415
023	BS	QC1147337	44120051	1529478 *
024	BSD	QC1147338	43402416	1928151
025	SAMPLE	506868-001	50358670	1760984
026	SAMPLE	506868-002	46278070	2241305
027	SAMPLE	506868-004	45439869	1640863
028	SAMPLE	506868-006	49048438	1881104
029	SAMPLE	506868-008	47258652	1824620
030	SAMPLE	506868-010	37597481	2080730
031	SAMPLE	506868-013	41417224	2375885
032	SAMPLE	506868-015	42263011	2280491
033	SAMPLE	506868-017	40517942	2239167
034	SAMPLE	506868-019	40781322	2383068
035	SAMPLE	506868-021	40097843	2472904
036	SAMPLE	506868-023	41686108	2362902

Enthalpy Internal Standard Summary for Sequence 454166111

Date:	04/24/24	Reference:	gc06_042424016
Sequence:	SVOA-GC06 gc06_042424	Analyzed:	04/24/24 13:03

#	Type	Sample ID	1BR2NITROBZPCB B RT	1BR2NITROBZPCB A RT
		CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV STD	3.98	3.83
		LOWER LIMIT	3.78	3.63
		UPPER LIMIT	4.18	4.03
022	BLANK	QC1147336	3.98	3.83
023	BS	QC1147337	3.98	3.84
024	BSD	QC1147338	3.98	3.83
025	SAMPLE	506868-001	3.98	3.83
026	SAMPLE	506868-002	3.98	3.83
027	SAMPLE	506868-004	3.98	3.83
028	SAMPLE	506868-006	3.98	3.83
029	SAMPLE	506868-008	3.98	3.83
030	SAMPLE	506868-010	3.98	3.83
031	SAMPLE	506868-013	3.98	3.83
032	SAMPLE	506868-015	3.98	3.83
033	SAMPLE	506868-017	3.98	3.83
034	SAMPLE	506868-019	3.98	3.83
035	SAMPLE	506868-021	3.98	3.83
036	SAMPLE	506868-023	3.98	3.83

Enthalpy Sequence Summary for Sequence 454124679

Instrument: SVOA-GC06 Begun: 03/26/24 13:59
Method: EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used
014	gc06_032624014	ICAL				03/26/24 13:59	1.0	1
015	gc06_032624015	ICAL				03/26/24 14:19	1.0	2
016	gc06_032624016	ICAL				03/26/24 14:38	1.0	3
018	gc06_032624018	ICAL				03/26/24 15:18	1.0	4
019	gc06_032624019	ICAL				03/26/24 15:37	1.0	5
020	gc06_032624020	ICAL				03/26/24 15:57	1.0	6
021	gc06_032624021	ICAL				03/26/24 16:17	1.0	7
022	gc06_032624022	ICAL				03/26/24 16:37	1.0	8
023	gc06_032624023	ICAL				03/26/24 16:57	1.0	9
024	gc06_032624024	ICAL				03/26/24 19:13	1.0	10
026	gc06_032624026	ICV/CCV				03/26/24 19:53	1.0	11
032	gc06_032624032	BLANK	QC1139412	Air	336262	03/27/24 01:45	1.0	12
033	gc06_032624033	BS	QC1139413	Air	336262	03/27/24 02:05	1.0	12
034	gc06_032624034	BSD	QC1139414	Air	336262	03/27/24 02:24	1.0	12
035	gc06_032624035	SAMPLE	505000-003	Air	336262	03/27/24 02:44	1.0	12
036	gc06_032624036	SAMPLE	505000-005	Air	336262	03/27/24 03:03	1.0	12

MTS 03/27/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 14 through 26.

Standards Used:
1=S20226 2=S20227 3=S20228 4=S20229 5=S20230 6=S20231 7=S20232 8=S20233 9=S20234 10=S20235 11=S20242 12=S19190

Enthalpy Sequence Summary for Sequence 454166111

Instrument: SVOA-GC06 Begun: 04/24/24 08:31
Method: EPA 8081A, EPA 8082

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
002	gc06_042424002	PEM				04/24/24 08:31	1.0	1	
003	gc06_042424003	CCV				04/24/24 08:52	1.0	2	
007	gc06_042424007	BLANK	QC1147326	Water	338596	04/24/24 09:56	1.0	3	
008	gc06_042424008	BS	QC1147327	Water	338596	04/24/24 10:17	1.0	3	
009	gc06_042424009	BSD	QC1147328	Water	338596	04/24/24 10:38	1.0	3	
010	gc06_042424010	SAMPLE	506796-002	Water	338596	04/24/24 10:59	1.0	3	1:GCHLORDANE=3300
011	gc06_042424011	SAMPLE	506641-006	Water	338310	04/24/24 11:20	5.0	3	1:ALDRIN=450
012	gc06_042424012	SAMPLE	506641-007	Water	338310	04/24/24 11:41	5.0	3	1:GCHLORDANE=8200
014	gc06_042424014	PEM				04/24/24 12:23	1.0	1	
015	gc06_042424015	CCV				04/24/24 12:42	1.0	2	
016	gc06_042424016	CCV				04/24/24 13:03	1.0	4	
022	gc06_042424022	BLANK	QC1147336	Wipe	338600	04/24/24 14:49	1.0	3	
023	gc06_042424023	BS	QC1147337	Wipe	338600	04/24/24 15:10	1.0	3	
024	gc06_042424024	BSD	QC1147338	Wipe	338600	04/24/24 15:31	1.0	3	
025	gc06_042424025	SAMPLE	506868-001	Wipe	338600	04/24/24 15:52	1.0	3	
026	gc06_042424026	SAMPLE	506868-002	Wipe	338600	04/24/24 16:13	1.0	3	2:PCB1016#1=5100
027	gc06_042424027	SAMPLE	506868-004	Wipe	338600	04/24/24 16:34	1.0	3	
028	gc06_042424028	SAMPLE	506868-006	Wipe	338600	04/24/24 16:55	1.0	3	
029	gc06_042424029	SAMPLE	506868-008	Wipe	338600	04/24/24 17:16	1.0	3	
030	gc06_042424030	SAMPLE	506868-010	Wipe	338600	04/24/24 17:37	1.0	3	
031	gc06_042424031	SAMPLE	506868-013	Wipe	338600	04/24/24 17:57	1.0	3	
032	gc06_042424032	SAMPLE	506868-015	Wipe	338600	04/24/24 18:18	1.0	3	
033	gc06_042424033	SAMPLE	506868-017	Wipe	338600	04/24/24 18:39	1.0	3	
034	gc06_042424034	SAMPLE	506868-019	Wipe	338600	04/24/24 19:00	1.0	3	
035	gc06_042424035	SAMPLE	506868-021	Wipe	338600	04/24/24 19:20	1.0	3	
036	gc06_042424036	SAMPLE	506868-023	Wipe	338600	04/24/24 19:41	1.0	3	

MES 04/24/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 2 through 16.

MES 04/26/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 22 through 36.

Standards Used:
1=S19911 2=S20440 3=S20106 4=S20460

SAMPLE PREPARATION SUMMARY

Batch #:	338600	Prep Date:	24-APR-2024 08:59	Started By:	RAC
Analysis:	8080	Method:	3546	Finished By:	RAC

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S20547	Spike S20377	Analysis
QC1147336 BLANK	Wipe	1 dm2	10 mL	10.0		.5 mL		8080
QC1147337 BS	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
QC1147338 BSD	Wipe	1 dm2	10 mL	10.0		.5 mL	.5 mL	8080
506868-001	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
506868-002	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
506868-004	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
506868-006	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
506868-008	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
506868-010	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
506868-013	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
506868-015	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
506868-017	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
506868-019	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
506868-021	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE
506868-023	Wipe	1 dm2	10 mL	10.0		.5 mL		PCB-MICROWAVE

Analyst: MES 04/26/24

Reviewer: MTS 04/29/24

8081/8082/608.3 Prep Log

Prep Method: 3546 Matrix: Wipe Date/Time: 4/24/24 8:59 Initials: RAC

Hotblock ID: N/A Therm Loc: N/A Therm ID/CF: N/A /

Hotblock Temp (Obs/Corr), °C: N/A /

Balance ID: N/A Microdipenser ID: Syringe

Extraction Start Time*: 9:05 Extraction end time*: 9:50

* For hot block, microwave, shaker table

608.3 QC Batch#:

8081 QC Batch #:

8082 QC Batch #: 338600

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 dm^2		MIC03-9	TV06	10.0		
LCS				10				
LCSD				11				
506868-1	A			12				
2				13				
4				14				
6				15	TV05			
8				16				
10				17				
13				18				
15				19				
17				20				
19				21	TV07			
21				22				
23				23				

Methylene Chloride Lot: N/A

Exchange Solvent (Hexane) ID: EH891-US

Acetone-Hexane Mix ID: WR-041624-002

Sodium Sulfate Lot: 231469

Baked Sand Lot: N/A

Surrogate ID: S20547 Volume: 500 µL

Pest LCS Spike ID: Volume: µL

PCB LCS Spike ID: S20577 Volume: 500 µL

Pest MS/MSD Spike ID: Volume: µL

PCB MS/MSD Spike ID: Volume: µL

REPORTING SUMMARY FOR 506868 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
506868-001	Aroclor-1016	SVOA-GC06	B	04/24/24 15:52
506868-001	Aroclor-1221	SVOA-GC06	B	04/24/24 15:52
506868-001	Aroclor-1232	SVOA-GC06	B	04/24/24 15:52
506868-001	Aroclor-1242	SVOA-GC06	B	04/24/24 15:52
506868-001	Aroclor-1248	SVOA-GC06	B	04/24/24 15:52
506868-001	Aroclor-1254	SVOA-GC06	B	04/24/24 15:52
506868-001	Aroclor-1260	SVOA-GC06	B	04/24/24 15:52
506868-001	Aroclor-1262	SVOA-GC06	B	04/24/24 15:52
506868-001	Aroclor-1268	SVOA-GC06	B	04/24/24 15:52
506868-001	TCMX (PCB)	SVOA-GC06	B	04/24/24 15:52
506868-001	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 15:52
506868-002	Aroclor-1016	SVOA-GC06	B	04/24/24 16:13
506868-002	Aroclor-1221	SVOA-GC06	B	04/24/24 16:13
506868-002	Aroclor-1232	SVOA-GC06	B	04/24/24 16:13
506868-002	Aroclor-1242	SVOA-GC06	B	04/24/24 16:13
506868-002	Aroclor-1248	SVOA-GC06	B	04/24/24 16:13
506868-002	Aroclor-1254	SVOA-GC06	B	04/24/24 16:13
506868-002	Aroclor-1260	SVOA-GC06	B	04/24/24 16:13
506868-002	Aroclor-1262	SVOA-GC06	B	04/24/24 16:13
506868-002	Aroclor-1268	SVOA-GC06	B	04/24/24 16:13
506868-002	TCMX (PCB)	SVOA-GC06	B	04/24/24 16:13
506868-002	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 16:13
506868-004	Aroclor-1016	SVOA-GC06	B	04/24/24 16:34
506868-004	Aroclor-1221	SVOA-GC06	B	04/24/24 16:34
506868-004	Aroclor-1232	SVOA-GC06	B	04/24/24 16:34
506868-004	Aroclor-1242	SVOA-GC06	B	04/24/24 16:34
506868-004	Aroclor-1248	SVOA-GC06	B	04/24/24 16:34
506868-004	Aroclor-1254	SVOA-GC06	B	04/24/24 16:34
506868-004	Aroclor-1260	SVOA-GC06	B	04/24/24 16:34
506868-004	Aroclor-1262	SVOA-GC06	B	04/24/24 16:34
506868-004	Aroclor-1268	SVOA-GC06	B	04/24/24 16:34

REPORTING SUMMARY FOR 506868 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
506868-004	TCMX (PCB)	SVOA-GC06	B	04/24/24 16:34
506868-004	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 16:34
506868-006	Aroclor-1016	SVOA-GC06	B	04/24/24 16:55
506868-006	Aroclor-1221	SVOA-GC06	B	04/24/24 16:55
506868-006	Aroclor-1232	SVOA-GC06	B	04/24/24 16:55
506868-006	Aroclor-1242	SVOA-GC06	B	04/24/24 16:55
506868-006	Aroclor-1248	SVOA-GC06	B	04/24/24 16:55
506868-006	Aroclor-1254	SVOA-GC06	B	04/24/24 16:55
506868-006	Aroclor-1260	SVOA-GC06	B	04/24/24 16:55
506868-006	Aroclor-1262	SVOA-GC06	B	04/24/24 16:55
506868-006	Aroclor-1268	SVOA-GC06	B	04/24/24 16:55
506868-006	TCMX (PCB)	SVOA-GC06	B	04/24/24 16:55
506868-006	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 16:55
506868-008	Aroclor-1016	SVOA-GC06	B	04/24/24 17:16
506868-008	Aroclor-1221	SVOA-GC06	B	04/24/24 17:16
506868-008	Aroclor-1232	SVOA-GC06	B	04/24/24 17:16
506868-008	Aroclor-1242	SVOA-GC06	B	04/24/24 17:16
506868-008	Aroclor-1248	SVOA-GC06	B	04/24/24 17:16
506868-008	Aroclor-1254	SVOA-GC06	B	04/24/24 17:16
506868-008	Aroclor-1260	SVOA-GC06	B	04/24/24 17:16
506868-008	Aroclor-1262	SVOA-GC06	B	04/24/24 17:16
506868-008	Aroclor-1268	SVOA-GC06	B	04/24/24 17:16
506868-008	TCMX (PCB)	SVOA-GC06	B	04/24/24 17:16
506868-008	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 17:16
506868-010	Aroclor-1016	SVOA-GC06	B	04/24/24 17:37
506868-010	Aroclor-1221	SVOA-GC06	B	04/24/24 17:37
506868-010	Aroclor-1232	SVOA-GC06	B	04/24/24 17:37
506868-010	Aroclor-1242	SVOA-GC06	B	04/24/24 17:37
506868-010	Aroclor-1248	SVOA-GC06	B	04/24/24 17:37
506868-010	Aroclor-1254	SVOA-GC06	B	04/24/24 17:37

REPORTING SUMMARY FOR 506868 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
506868-010	Aroclor-1260	SVOA-GC06	B	04/24/24 17:37
506868-010	Aroclor-1262	SVOA-GC06	B	04/24/24 17:37
506868-010	Aroclor-1268	SVOA-GC06	B	04/24/24 17:37
506868-010	TCMX (PCB)	SVOA-GC06	B	04/24/24 17:37
506868-010	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 17:37
506868-013	Aroclor-1016	SVOA-GC06	B	04/24/24 17:57
506868-013	Aroclor-1221	SVOA-GC06	B	04/24/24 17:57
506868-013	Aroclor-1232	SVOA-GC06	B	04/24/24 17:57
506868-013	Aroclor-1242	SVOA-GC06	B	04/24/24 17:57
506868-013	Aroclor-1248	SVOA-GC06	B	04/24/24 17:57
506868-013	Aroclor-1254	SVOA-GC06	B	04/24/24 17:57
506868-013	Aroclor-1260	SVOA-GC06	B	04/24/24 17:57
506868-013	Aroclor-1262	SVOA-GC06	B	04/24/24 17:57
506868-013	Aroclor-1268	SVOA-GC06	B	04/24/24 17:57
506868-013	TCMX (PCB)	SVOA-GC06	B	04/24/24 17:57
506868-013	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 17:57
506868-015	Aroclor-1016	SVOA-GC06	B	04/24/24 18:18
506868-015	Aroclor-1221	SVOA-GC06	B	04/24/24 18:18
506868-015	Aroclor-1232	SVOA-GC06	B	04/24/24 18:18
506868-015	Aroclor-1242	SVOA-GC06	B	04/24/24 18:18
506868-015	Aroclor-1248	SVOA-GC06	B	04/24/24 18:18
506868-015	Aroclor-1254	SVOA-GC06	B	04/24/24 18:18
506868-015	Aroclor-1260	SVOA-GC06	B	04/24/24 18:18
506868-015	Aroclor-1262	SVOA-GC06	B	04/24/24 18:18
506868-015	Aroclor-1268	SVOA-GC06	B	04/24/24 18:18
506868-015	TCMX (PCB)	SVOA-GC06	B	04/24/24 18:18
506868-015	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 18:18
506868-017	Aroclor-1016	SVOA-GC06	B	04/24/24 18:39
506868-017	Aroclor-1221	SVOA-GC06	B	04/24/24 18:39
506868-017	Aroclor-1232	SVOA-GC06	B	04/24/24 18:39

REPORTING SUMMARY FOR 506868 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
506868-017	Aroclor-1242	SVOA-GC06	B	04/24/24 18:39
506868-017	Aroclor-1248	SVOA-GC06	B	04/24/24 18:39
506868-017	Aroclor-1254	SVOA-GC06	B	04/24/24 18:39
506868-017	Aroclor-1260	SVOA-GC06	B	04/24/24 18:39
506868-017	Aroclor-1262	SVOA-GC06	B	04/24/24 18:39
506868-017	Aroclor-1268	SVOA-GC06	B	04/24/24 18:39
506868-017	TCMX (PCB)	SVOA-GC06	B	04/24/24 18:39
506868-017	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 18:39
506868-019	Aroclor-1016	SVOA-GC06	B	04/24/24 19:00
506868-019	Aroclor-1221	SVOA-GC06	B	04/24/24 19:00
506868-019	Aroclor-1232	SVOA-GC06	B	04/24/24 19:00
506868-019	Aroclor-1242	SVOA-GC06	B	04/24/24 19:00
506868-019	Aroclor-1248	SVOA-GC06	B	04/24/24 19:00
506868-019	Aroclor-1254	SVOA-GC06	B	04/24/24 19:00
506868-019	Aroclor-1260	SVOA-GC06	B	04/24/24 19:00
506868-019	Aroclor-1262	SVOA-GC06	B	04/24/24 19:00
506868-019	Aroclor-1268	SVOA-GC06	B	04/24/24 19:00
506868-019	TCMX (PCB)	SVOA-GC06	B	04/24/24 19:00
506868-019	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 19:00
506868-021	Aroclor-1016	SVOA-GC06	B	04/24/24 19:20
506868-021	Aroclor-1221	SVOA-GC06	B	04/24/24 19:20
506868-021	Aroclor-1232	SVOA-GC06	B	04/24/24 19:20
506868-021	Aroclor-1242	SVOA-GC06	B	04/24/24 19:20
506868-021	Aroclor-1248	SVOA-GC06	B	04/24/24 19:20
506868-021	Aroclor-1254	SVOA-GC06	B	04/24/24 19:20
506868-021	Aroclor-1260	SVOA-GC06	B	04/24/24 19:20
506868-021	Aroclor-1262	SVOA-GC06	B	04/24/24 19:20
506868-021	Aroclor-1268	SVOA-GC06	B	04/24/24 19:20
506868-021	TCMX (PCB)	SVOA-GC06	B	04/24/24 19:20
506868-021	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 19:20

REPORTING SUMMARY FOR 506868 PCBS Wipe

Sample ID	Analyte	Inst ID	Ch	Date & Time
506868-023	Aroclor-1016	SVOA-GC06	B	04/24/24 19:41
506868-023	Aroclor-1221	SVOA-GC06	B	04/24/24 19:41
506868-023	Aroclor-1232	SVOA-GC06	B	04/24/24 19:41
506868-023	Aroclor-1242	SVOA-GC06	B	04/24/24 19:41
506868-023	Aroclor-1248	SVOA-GC06	B	04/24/24 19:41
506868-023	Aroclor-1254	SVOA-GC06	B	04/24/24 19:41
506868-023	Aroclor-1260	SVOA-GC06	B	04/24/24 19:41
506868-023	Aroclor-1262	SVOA-GC06	B	04/24/24 19:41
506868-023	Aroclor-1268	SVOA-GC06	B	04/24/24 19:41
506868-023	TCMX (PCB)	SVOA-GC06	B	04/24/24 19:41
506868-023	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 19:41
QC1147336	Aroclor-1016	SVOA-GC06	B	04/24/24 14:49
QC1147336	Aroclor-1221	SVOA-GC06	B	04/24/24 14:49
QC1147336	Aroclor-1232	SVOA-GC06	B	04/24/24 14:49
QC1147336	Aroclor-1242	SVOA-GC06	B	04/24/24 14:49
QC1147336	Aroclor-1248	SVOA-GC06	B	04/24/24 14:49
QC1147336	Aroclor-1254	SVOA-GC06	B	04/24/24 14:49
QC1147336	Aroclor-1260	SVOA-GC06	B	04/24/24 14:49
QC1147336	Aroclor-1262	SVOA-GC06	B	04/24/24 14:49
QC1147336	Aroclor-1268	SVOA-GC06	B	04/24/24 14:49
QC1147336	TCMX (PCB)	SVOA-GC06	B	04/24/24 14:49
QC1147336	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 14:49
QC1147337	Aroclor-1016	SVOA-GC06	B	04/24/24 15:10
QC1147337	Aroclor-1260	SVOA-GC06	B	04/24/24 15:10
QC1147337	TCMX (PCB)	SVOA-GC06	B	04/24/24 15:10
QC1147337	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 15:10
QC1147338	Aroclor-1016	SVOA-GC06	B	04/24/24 15:31
QC1147338	Aroclor-1260	SVOA-GC06	B	04/24/24 15:31
QC1147338	TCMX (PCB)	SVOA-GC06	B	04/24/24 15:31
QC1147338	Decachlorobiphenyl (PCB)	SVOA-GC06	B	04/24/24 15:31

Sample Raw Data

ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	506868-001	Client ID:	AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-LA
Seqnum:	454166111025	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_042424025	Batch:	338600	Time:	24-APR-2024 15:52
Cal:	454124679002	Caldate:	26-MAR-2024		
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	Blank	Flags
Aroclor-1016	B	49.08	ND	4.0	157%	0.50		u
Aroclor-1016 Peak # 1	B	143.1	1.43	4.91	110%			
Aroclor-1016 Peak # 2	B	52.81	0.53	1.93	114%			
Aroclor-1016 Peak # 3	B	47.27	0.47	5.79	170%			
Aroclor-1016 Peak # 4	B	2.183	0.02	7.32	199%			
Aroclor-1016 Peak # 5	B	0	ND	0.29				
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	17.26	ND	1.8	165%	0.50		u
Aroclor-1260 Peak # 1	B	8.475	0.08	3.38	190%			
Aroclor-1260 Peak # 2	B	35.75	0.36	0.17	72%			
Aroclor-1260 Peak # 3	B	11.24	0.11	1.13	164%			
Aroclor-1260 Peak # 4	B	8.898	0.09	4.29	192%			
Aroclor-1260 Peak # 5	B	21.93	0.22	0.03	145%			
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	34.67	0.5000	0.3467	69	19-121	u
Decachlorobiphenyl (PCB)	B	25.61	0.5000	0.2561	51	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	50358670	9.69
1-bromo-2-nitrobenzene (PCB)	A	3177182	1760984	-44.57

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.83	0.00

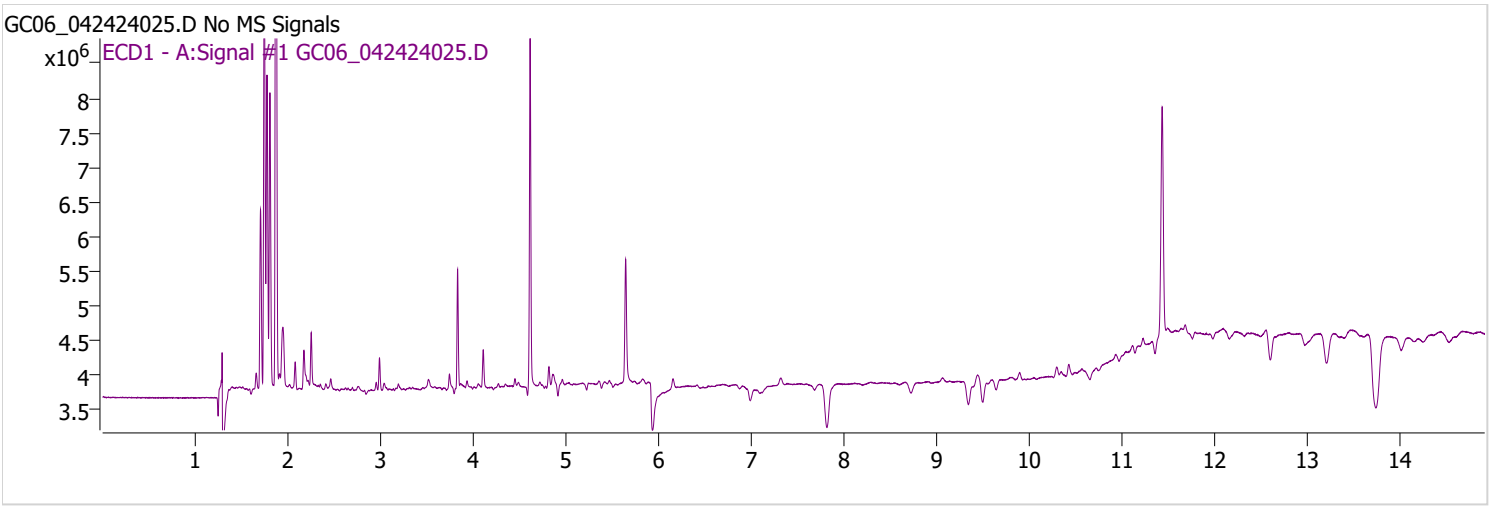
04/26/24 : WIPE/1dm3-10ML

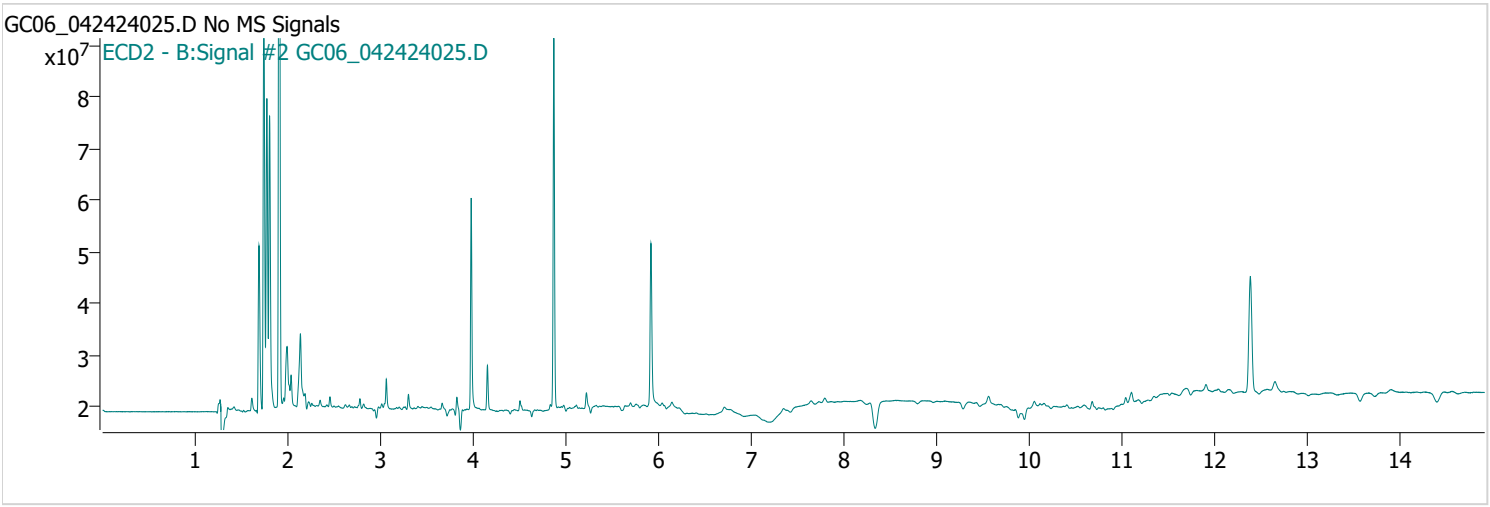
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Analyst: MES 04/26/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424025.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 3:52:10 PM
Sample Name	506868-001, 338600, 1	Instrument	SVOA-GC06
Vial	4	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



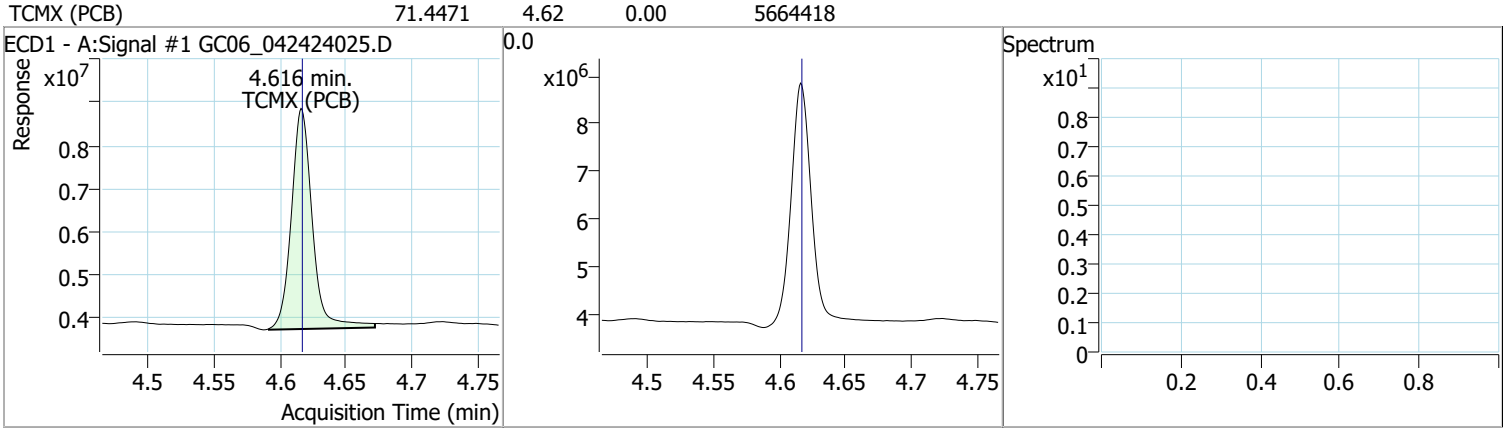


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.833	0.0	1760984.056	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.980	0.0	50358669.580	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.616	0.0	5664418.354	71.4471	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 357.24%		*	
S TCMX (PCB) #2	4.873	0.0	75698601.772	34.6653	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 173.33%		*	
S Decachlorobiphenyl (PCB)	11.440	0.0	6607057.138	63.0250	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 315.13%		*	
S Decachlorobiphenyl (PCB) #2	12.393	0.0	52730835.979	25.6140	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 128.07%			
Target Compounds							QValue

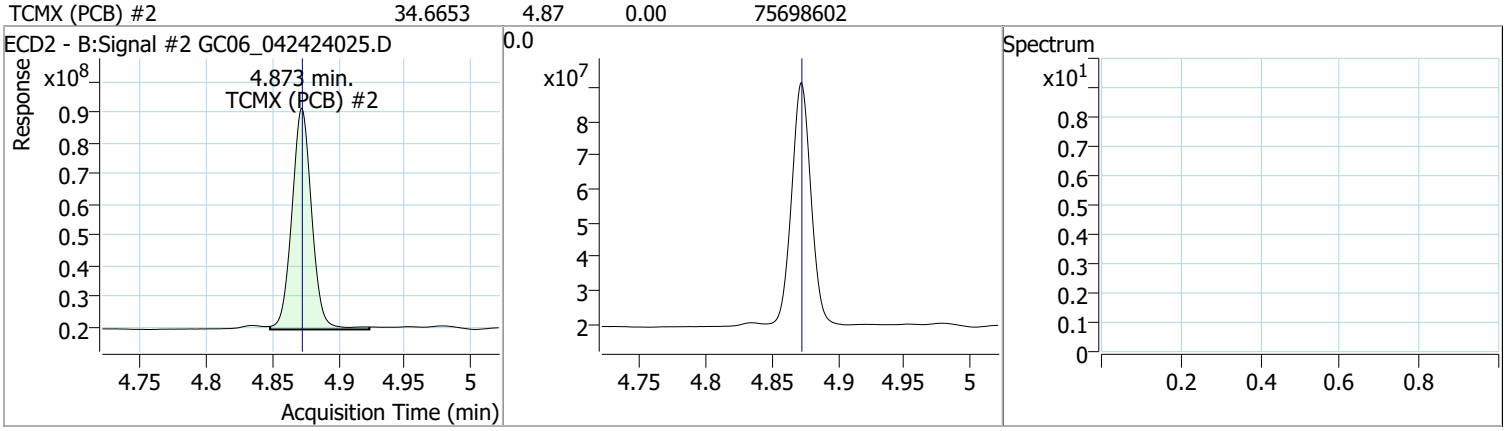
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.963	0.0	929227.839	490.8674	ng/ml	100
T AR1016 2	5.358	0.0	702930.913	192.8789	ng/ml	100
T AR1016 1 #2	5.327	0.0	6660694.831	143.1350	ng/ml	100
T AR1016 3	5.648	0.0	2586382.936	578.5687	ng/ml	100
T AR1016 2 #2	5.702	0.0	4915964.429	52.8055	ng/ml	100
T AR1016 4	5.833	0.0	2310437.807	732.0453	ng/ml	100
T AR1016 3 #2	6.149	0.0	6095656.719	47.2736	ng/ml	100
T AR1016 5	6.208	0.0	77321.188	29.2413	ng/ml	100
T AR1016 4 #2	6.312	0.0	186089.299	2.1833	ng/ml	100
T AR1016 5 #2	0.000		0	N.D.		
T AR1260 1	7.743	0.0	1818314.906	337.6193	ng/ml	100
T AR1260 2	8.298	0.0	138205.169	16.7742	ng/ml	100
T AR1260 3	8.904	0.0	982826.682	113.1806	ng/ml	100
T AR1260 1 #2	9.093	0.0	1194535.826	8.4748	ng/ml	100
T AR1260 2 #2	9.356	0.0	6129549.394	35.7492	ng/ml	100
T AR1260 4	9.448	0.0	2143173.980	429.0448	ng/ml	100
T AR1260 3 #2	9.915	0.0	2376990.036	11.2425	ng/ml	100
T AR1260 5	10.243	0.0	19384.125	3.4756	ng/ml	100
T AR1260 4 #2	10.409	0.0	1169829.577	8.8978	ng/ml	100
T AR1260 5 #2	11.046	0.0	3881432.942	21.9250	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

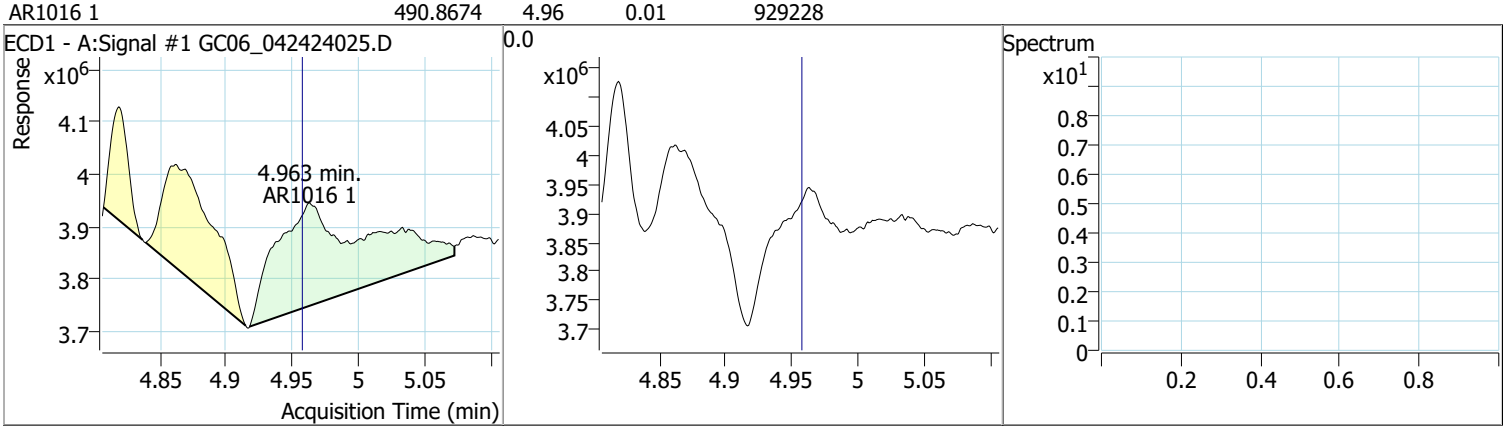
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	71.4471	4.62	0.00	5664418				



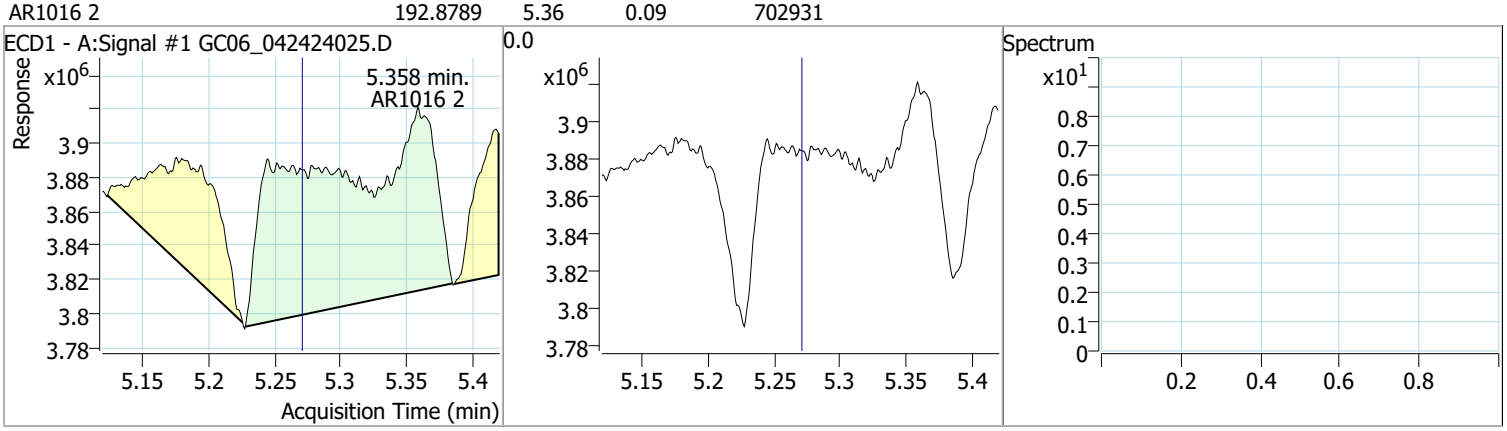
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	34.6653	4.87	0.00	75698602				



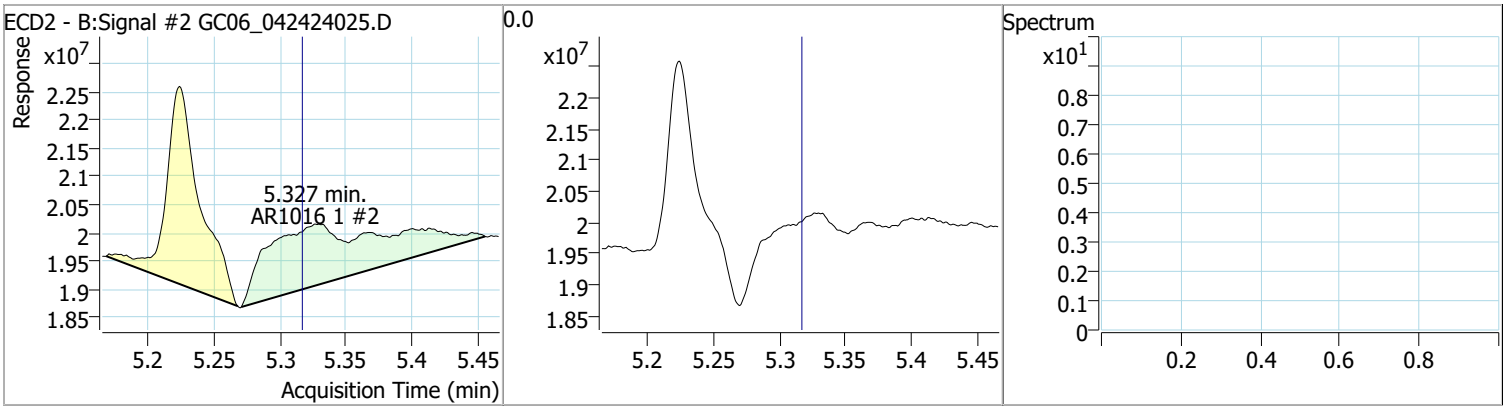
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	490.8674	4.96	0.01	929228				



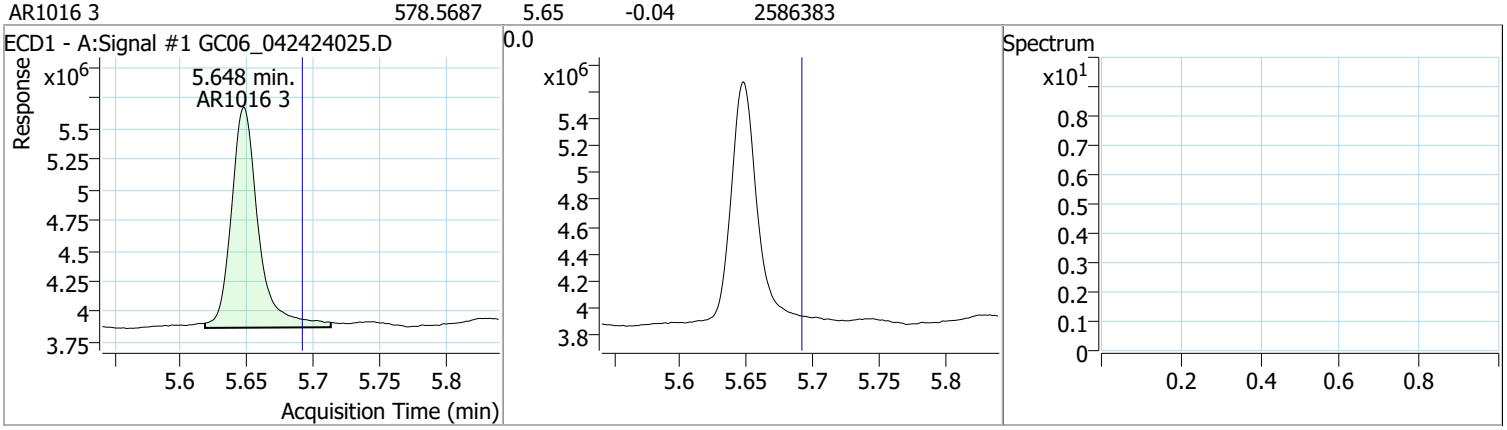
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	192.8789	5.36	0.09	702931				



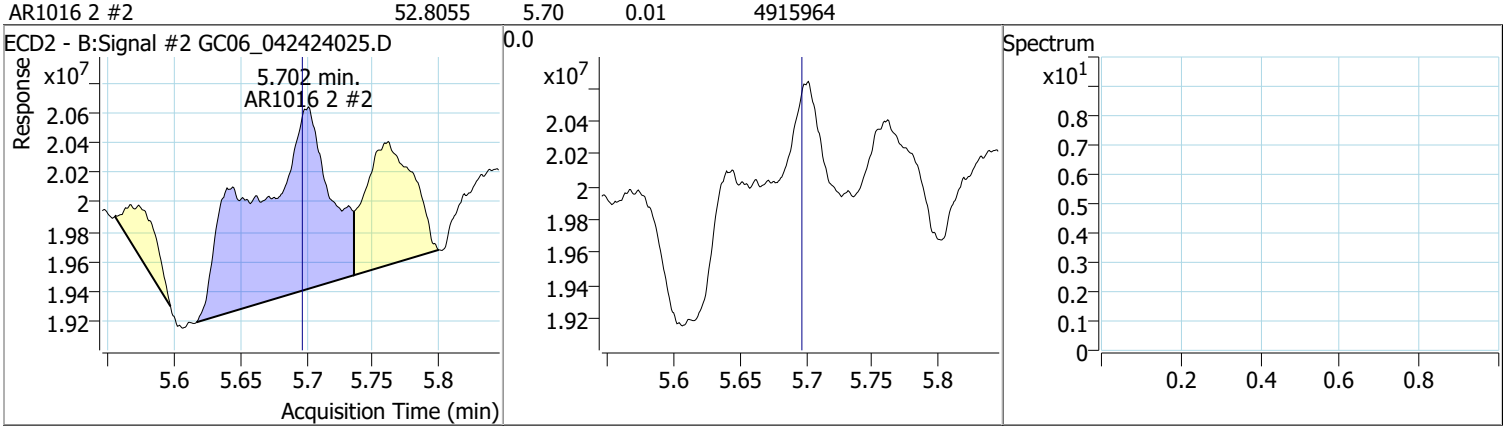
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	143.1350	5.33	0.01	6660695				



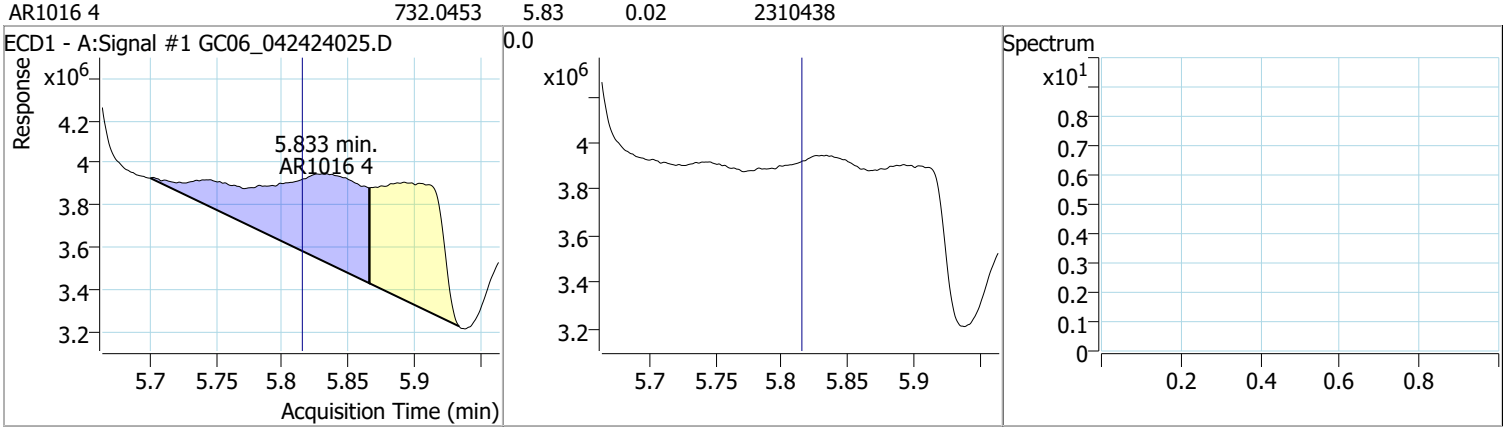
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	578.5687	5.65	-0.04	2586383				



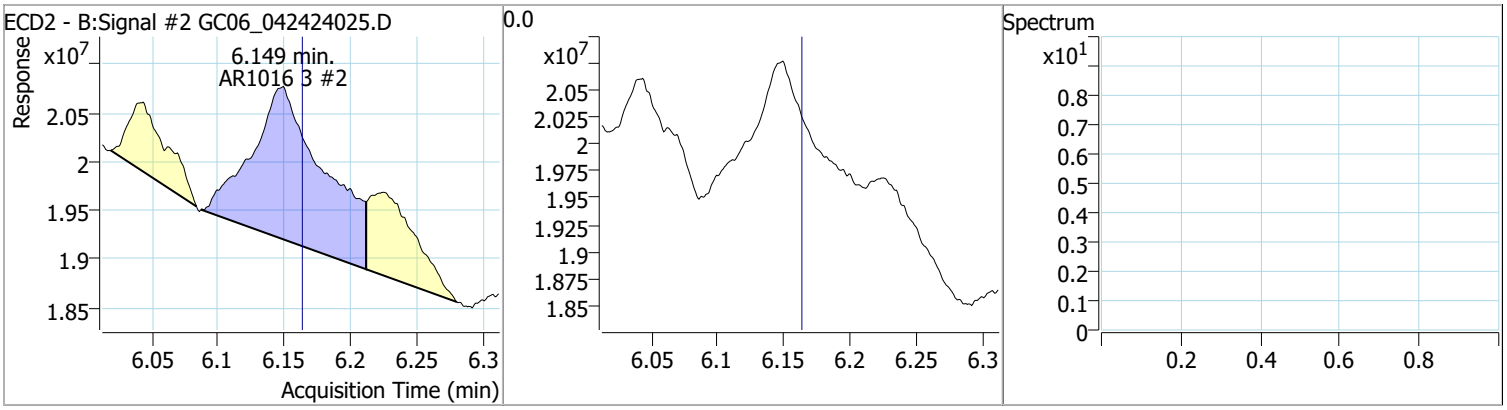
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	52.8055	5.70	0.01	4915964				



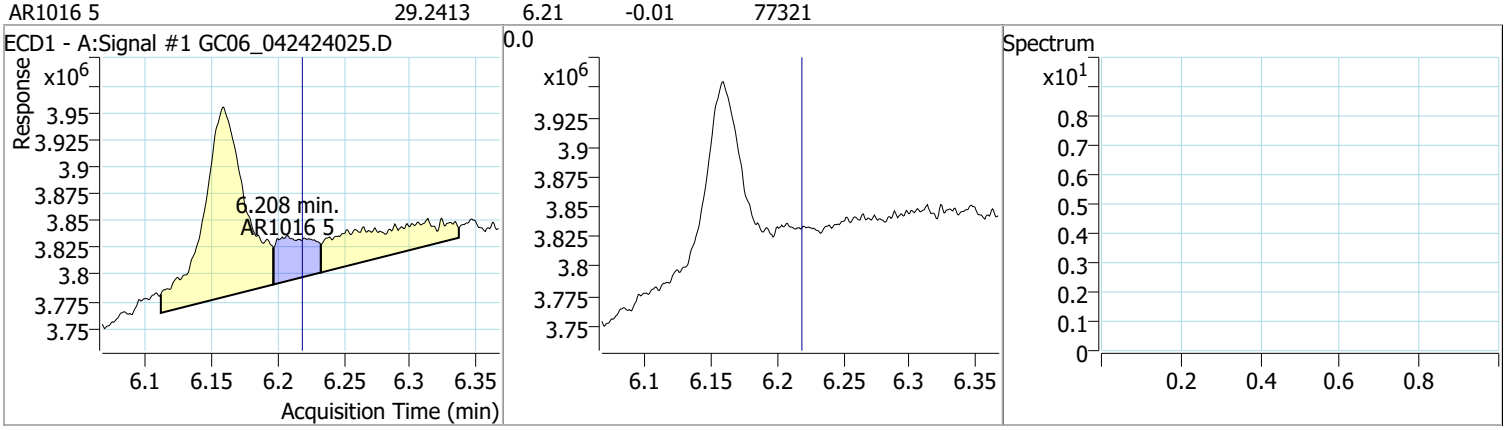
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	732.0453	5.83	0.02	2310438				



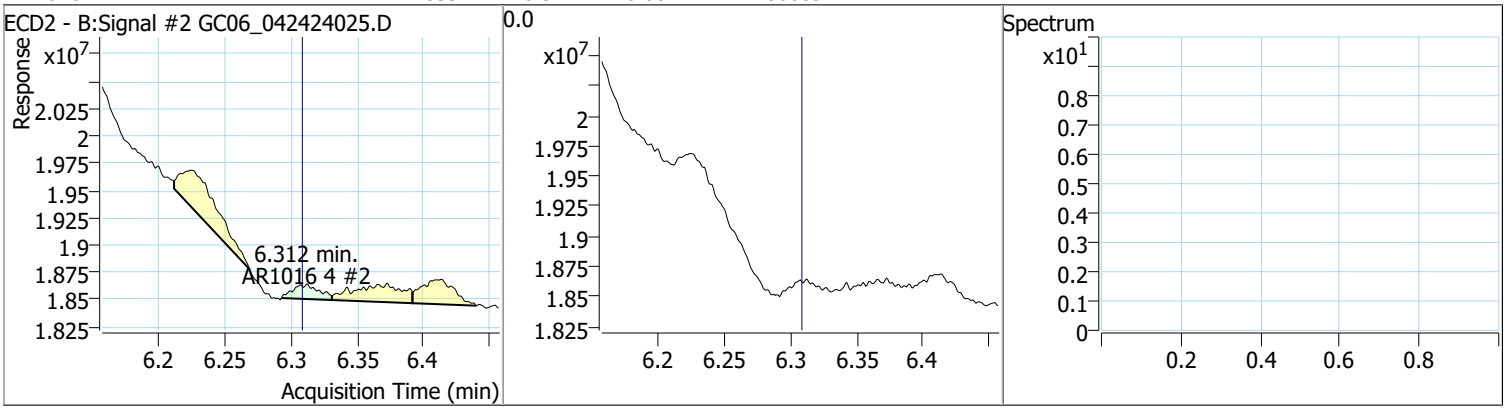
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	47.2736	6.15	-0.01	6095657				



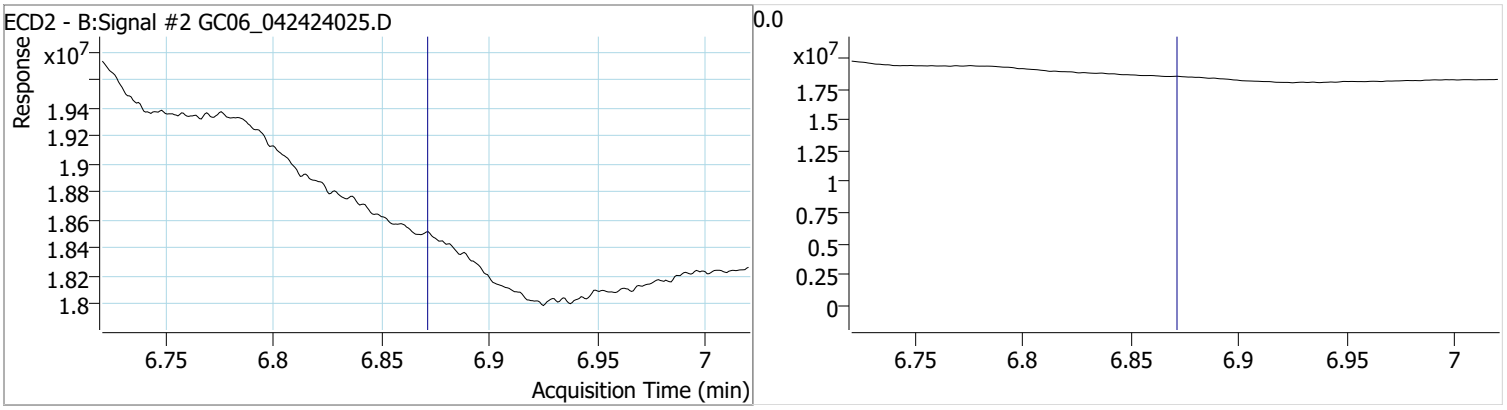
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	29.2413	6.21	-0.01	77321				



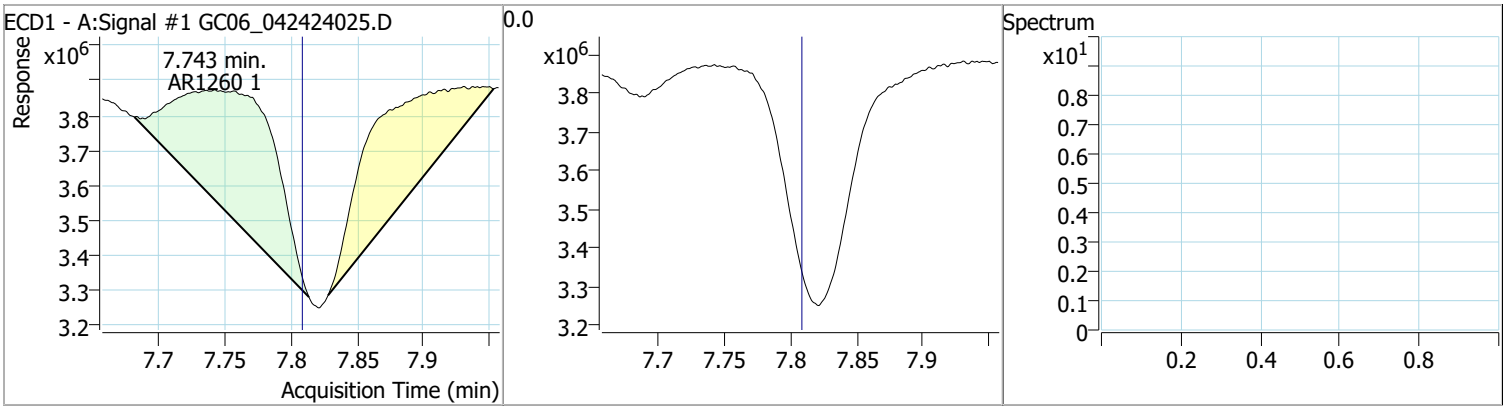
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.1833	6.31	0.00	186089				



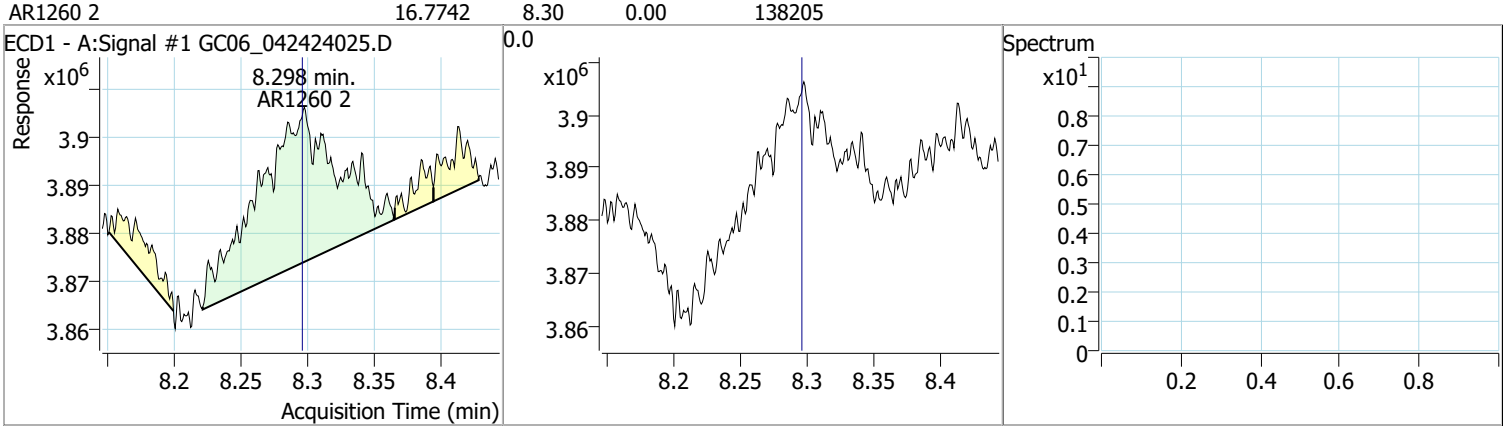
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 5 #2	N.D.	6.87		



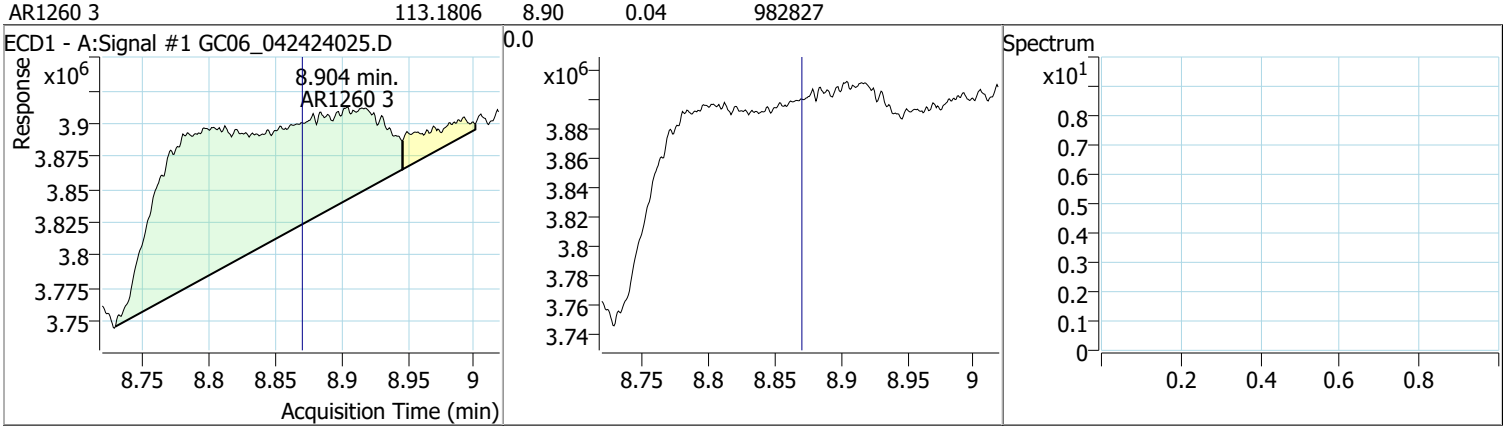
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	337.6193	7.74	-0.06	1818315				



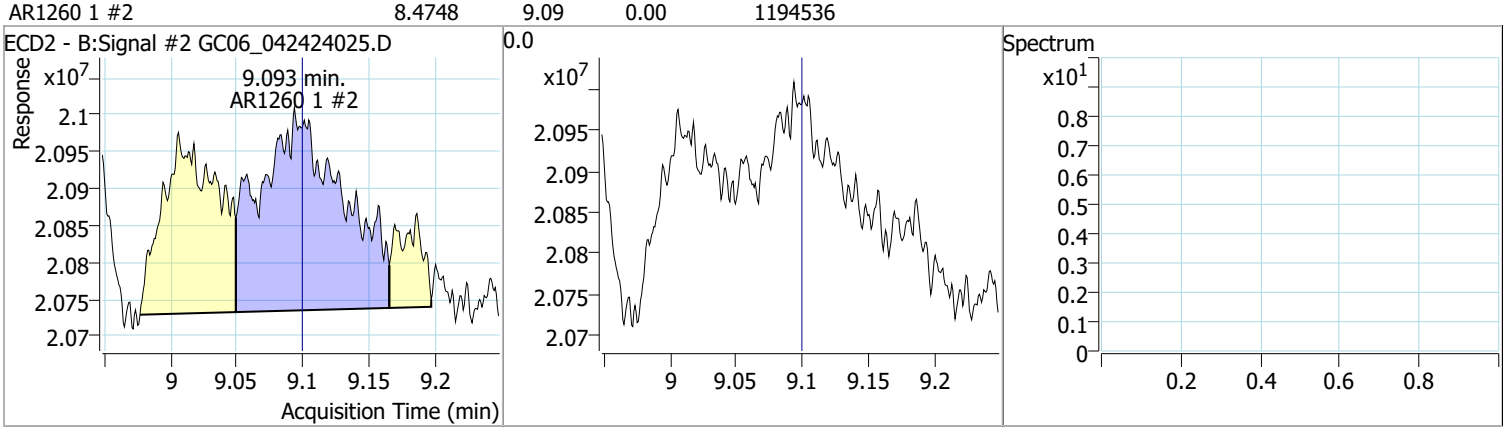
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	16.7742	8.30	0.00	138205				



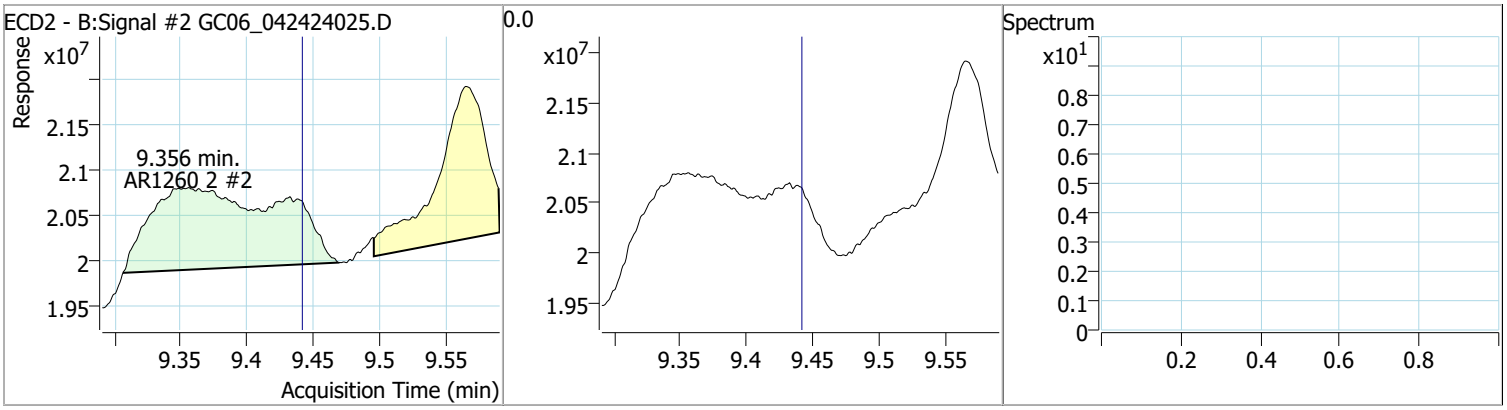
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	113.1806	8.90	0.04	982827				



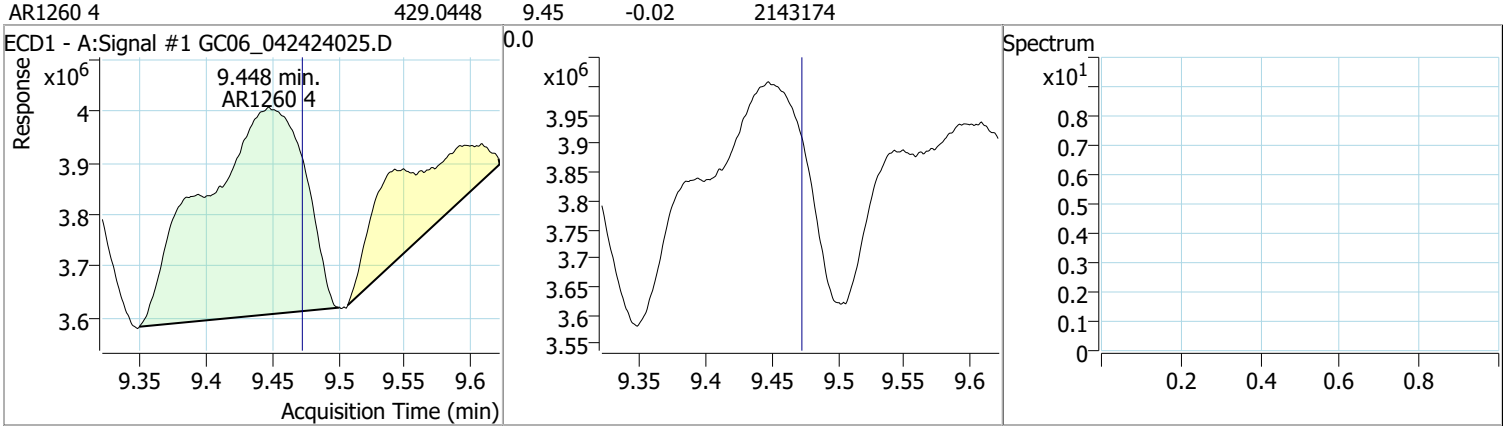
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	8.4748	9.09	0.00	1194536				



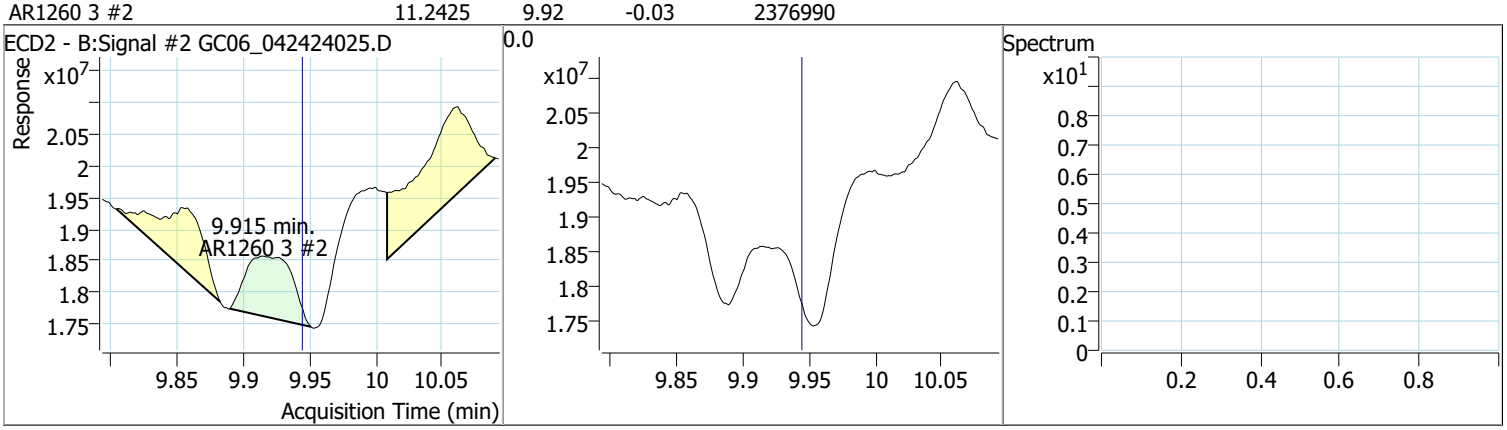
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	35.7492	9.36	-0.08	6129549				



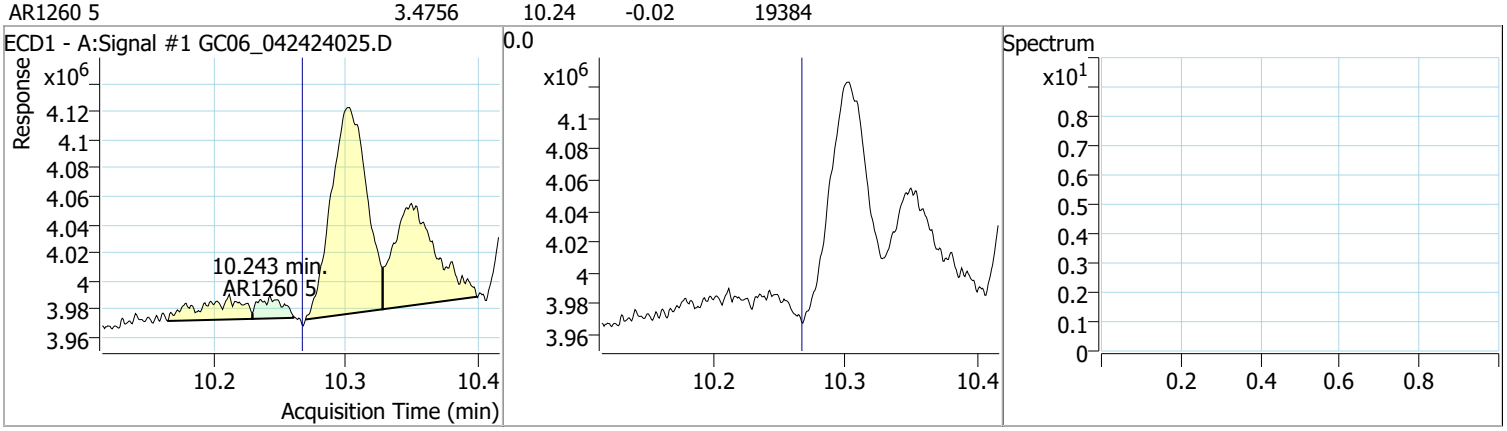
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	429.0448	9.45	-0.02	2143174				



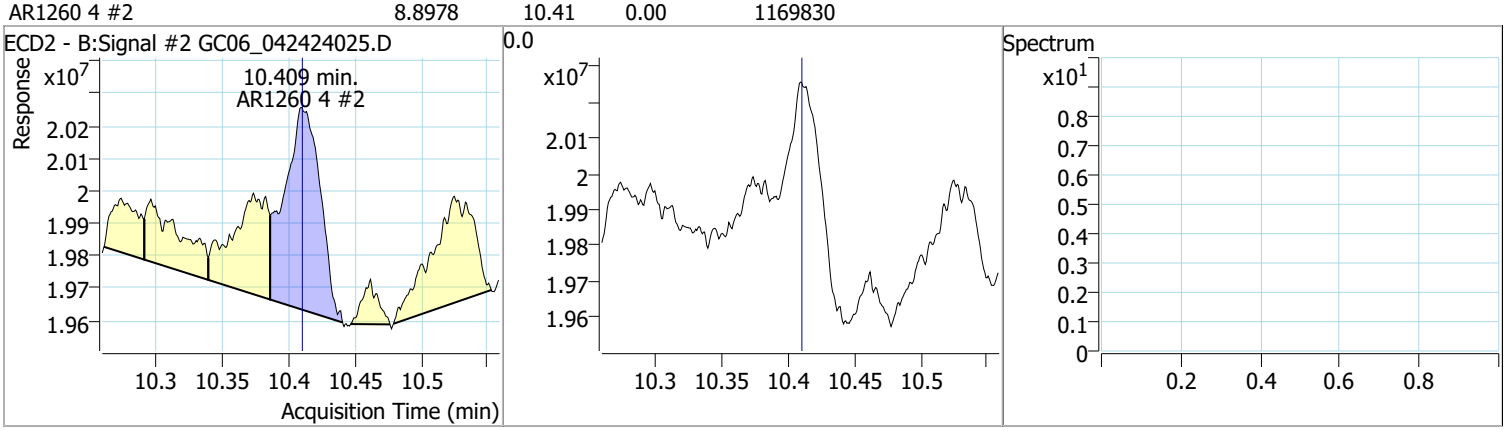
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	11.2425	9.92	-0.03	2376990				



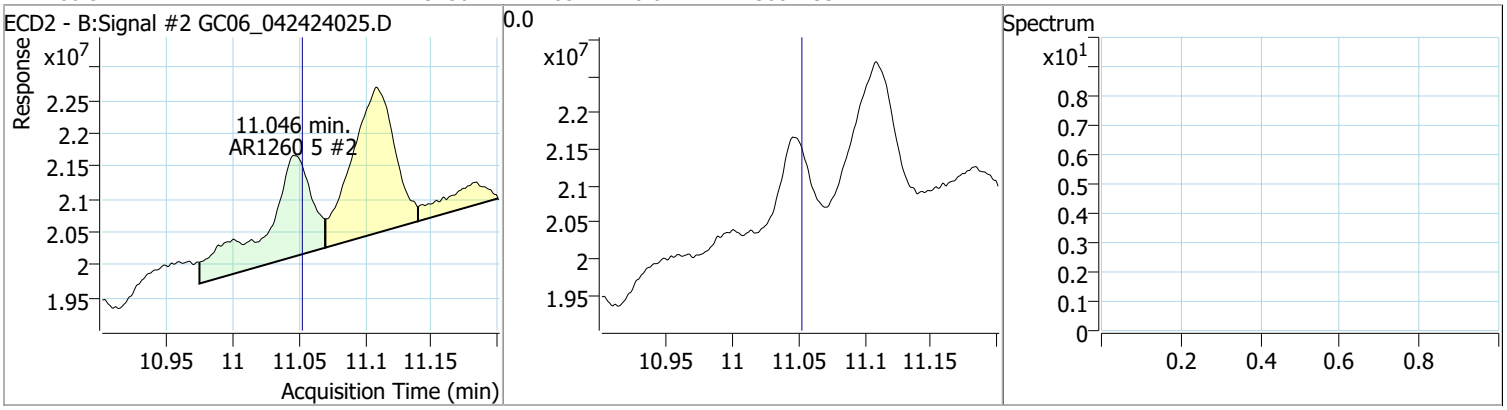
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	3.4756	10.24	-0.02	19384				



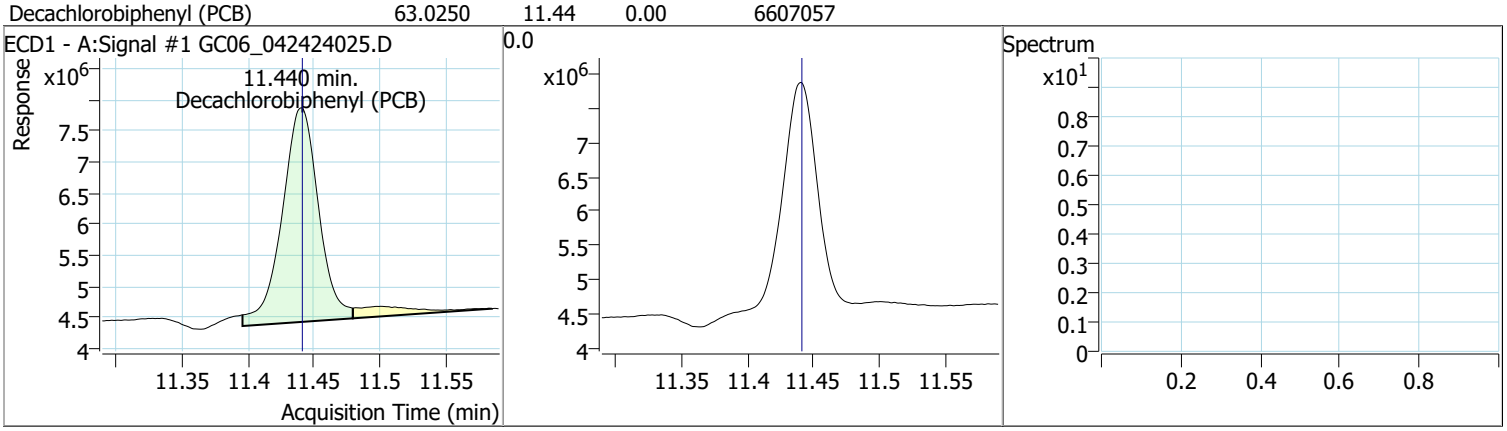
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.8978	10.41	0.00	1169830				



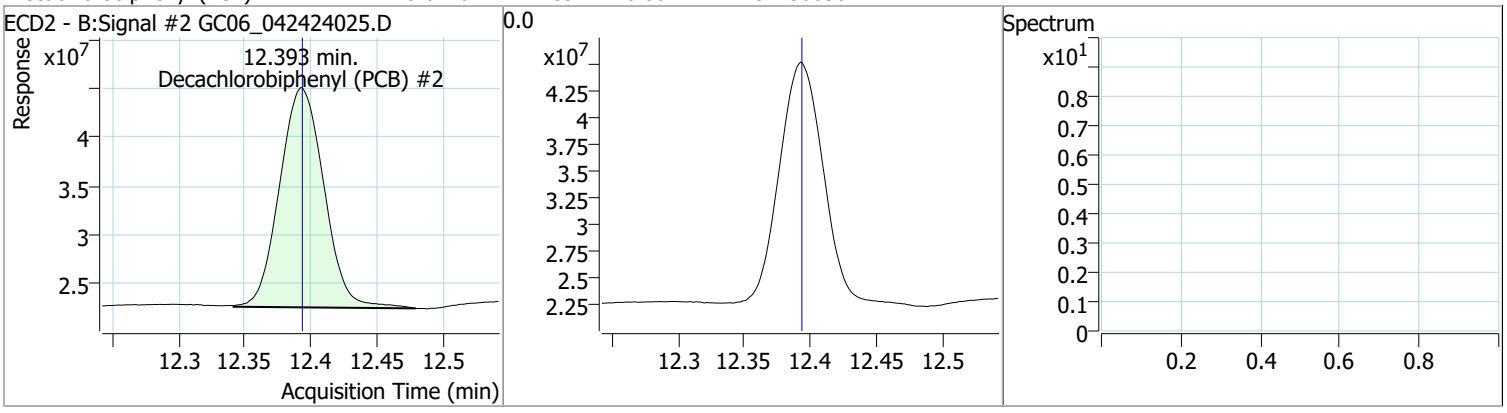
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	21.9250	11.05	-0.01	3881433				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	63.0250	11.44	0.00	6607057				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	25.6140	12.39	0.00	52730836				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	506868-002	Client ID:	AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-DUP-LA
Seqnum:	454166111026	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_042424026	Batch:	338600	Time:	24-APR-2024 16:13
Cal:	454124679002	Caldate:	26-MAR-2024		
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	Blank	Flags
Aroclor-1016	B	716.4 >LR	~~**7.2 >LR**~~ ~~FP~~	**12 >LR**	48%	0.50		x u
Aroclor-1016 Peak # 1	B	3368 >LR	**33.68 >LR**	**51.14 >LR**	41%			**>LR** **b***
Aroclor-1016 Peak # 2	B	97.67	0.98	2.17	76%			
Aroclor-1016 Peak # 3	B	85.13	0.85	3.32	118%			
Aroclor-1016 Peak # 4	B	2.559	0.03	0.00	183%			
Aroclor-1016 Peak # 5	B	28.54	0.29	1.77	144%			
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	27.31	ND	1.2	127%	0.50		u
Aroclor-1260 Peak # 1	B	24.62	0.25	2.00	156%			
Aroclor-1260 Peak # 2	B	53.04	0.53	0.11	132%			
Aroclor-1260 Peak # 3	B	15.34	0.15	0.94	144%			
Aroclor-1260 Peak # 4	B	20.56	0.21	2.99	174%			
Aroclor-1260 Peak # 5	B	23.01	0.23	0.05	128%			
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	39.06	0.5000	0.3906	78	19-121	u
Decachlorobiphenyl (PCB)	B	28.32	0.5000	0.2832	57	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	46278070	0.80
1-bromo-2-nitrobenzene (PCB)	A	3177182	2241305	-29.46

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.83	0.00

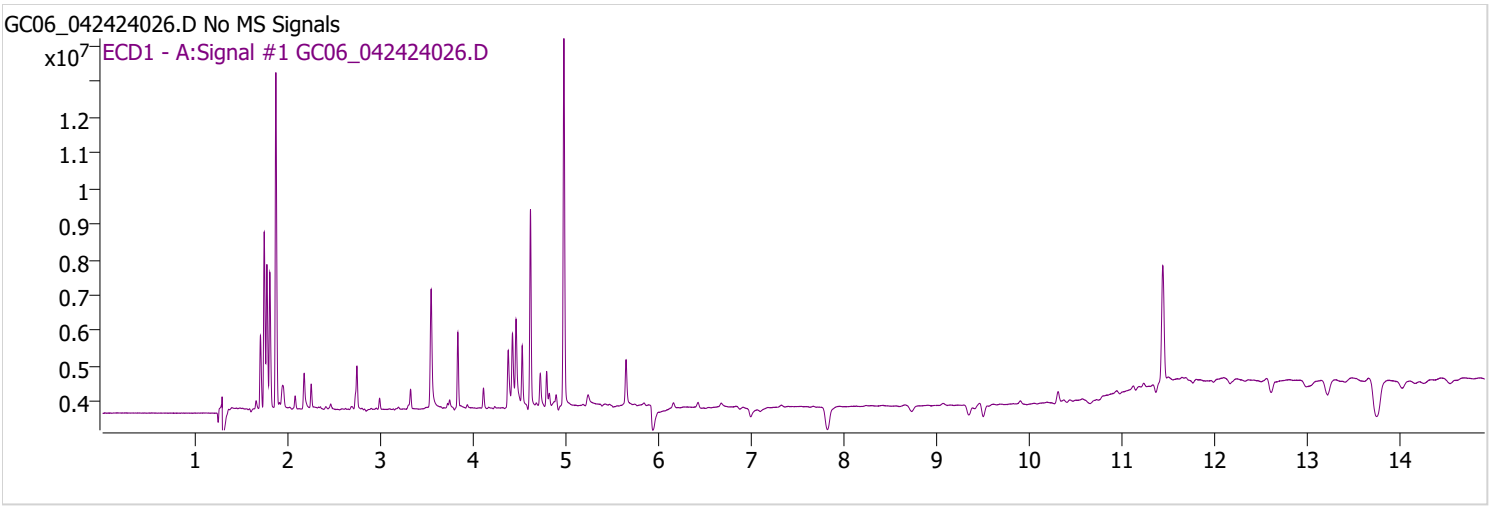
04/26/24 : WIPE/1dm3-10ML

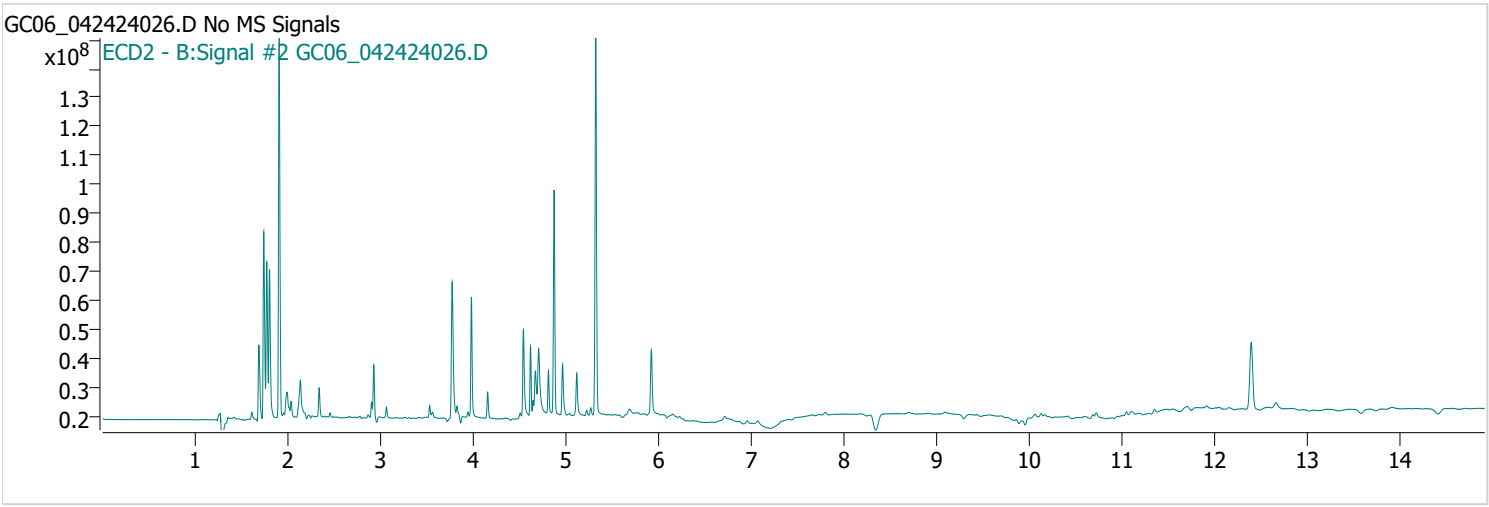
>LR=overrange b=noncompliant u=use x=false positive

Analyst: MES 04/26/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424026.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 4:13:10 PM
Sample Name	506868-002, 338600, 1	Instrument	SVOA-GC06
Vial	5	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



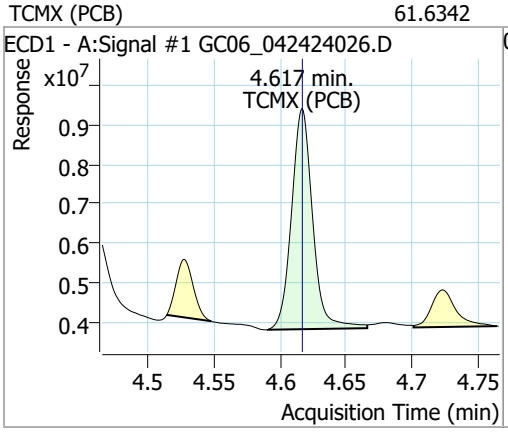


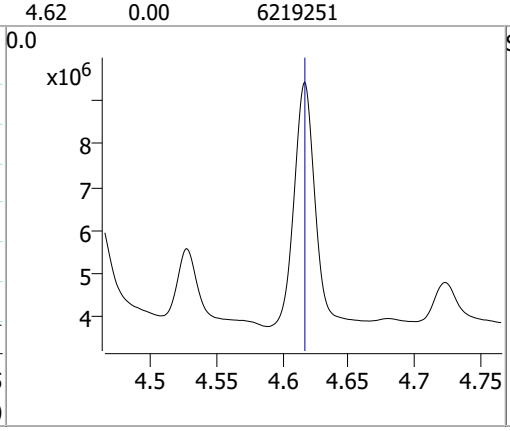
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.833	0.0	2241305.199	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.980	0.0	46278070.309	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.617	0.0	6219251.057	61.6342	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 308.17%		*	
S TCMX (PCB) #2	4.872	0.0	78379726.467	39.0579	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 195.29%		*	
S Decachlorobiphenyl (PCB)	11.439	0.0	6950460.974	52.0922	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 260.46%		*	
S Decachlorobiphenyl (PCB) #2	12.394	0.0	53569797.735	28.3160	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 141.58%			
Target Compounds							QValue

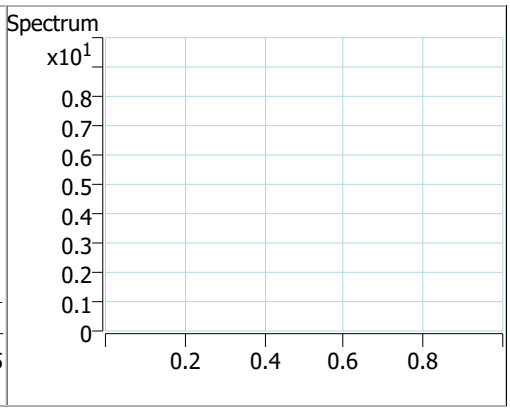
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.978	0.0	12322366.021	5114.3512	ng/ml	100
T AR1016 2	5.238	0.0	1005301.862	216.7320	ng/ml	100
T AR1016 1 #2	5.321	0.0	144034544.832	3368.1540	ng/ml	100
T AR1016 3	5.648	0.0	1890093.679	332.2002	ng/ml	100
T AR1016 2 #2	5.688	0.0	8355807.915	97.6692	ng/ml	100
T AR1016 4	5.684	0.0	454.063	0.1130	ng/ml	100
T AR1016 3 #2	6.150	0.0	10087004.534	85.1254	ng/ml	100
T AR1016 5	6.162	0.0	595110.833	176.8279	ng/ml	100
T AR1016 4 #2	6.303	0.0	200441.971	2.5590	ng/ml	100
T AR1016 5 #2	6.954	0.0	1871016.381	28.5356	ng/ml	100
T AR1260 1	7.667	0.0	1371910.849	200.1421	ng/ml	100
T AR1260 2	8.239	0.0	114380.221	10.9074	ng/ml	100
T AR1260 3	8.908	0.0	1042365.031	94.3125	ng/ml	100
T AR1260 1 #2	9.090	0.0	3188605.944	24.6168	ng/ml	100
T AR1260 2 #2	9.368	0.0	8356601.570	53.0355	ng/ml	100
T AR1260 4	9.462	0.0	1899950.815	298.8423	ng/ml	100
T AR1260 3 #2	9.913	0.0	2979977.660	15.3373	ng/ml	100
T AR1260 5	10.235	0.0	35887.768	5.0558	ng/ml	100
T AR1260 4 #2	10.410	0.0	2484341.042	20.5622	ng/ml	100
T AR1260 5 #2	11.048	0.0	3743796.291	23.0122	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

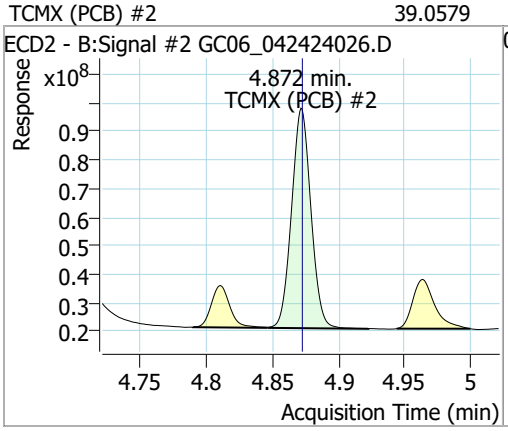
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	61.6342	4.62	0.00	6219251				

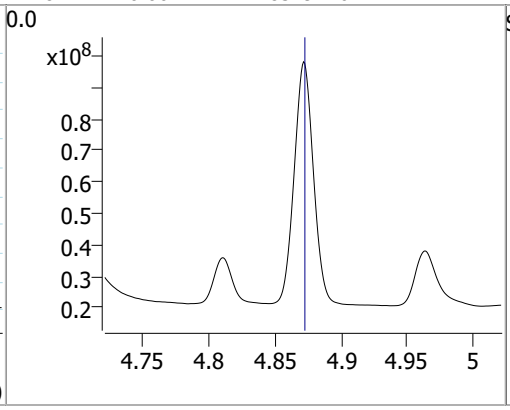


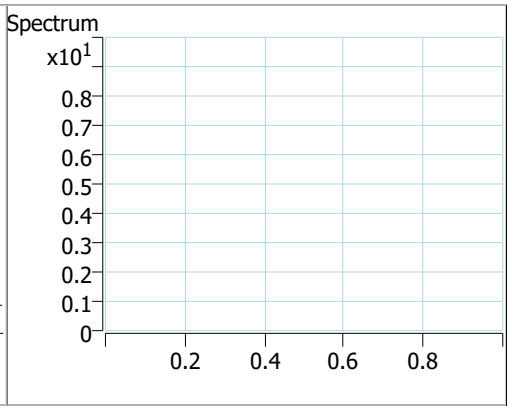




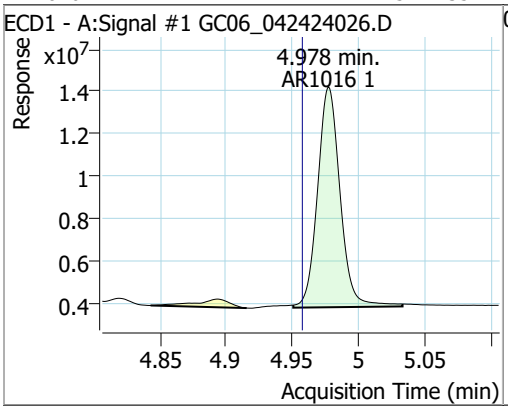
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.0579	4.87	0.00	78379726				

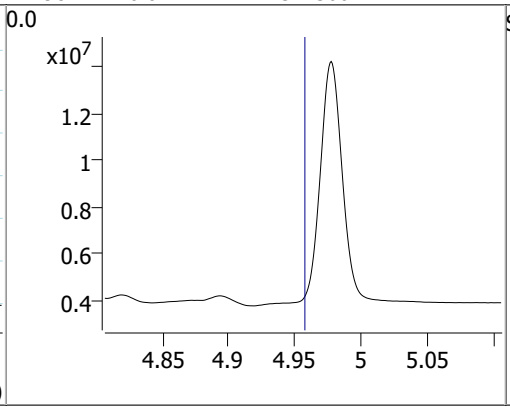


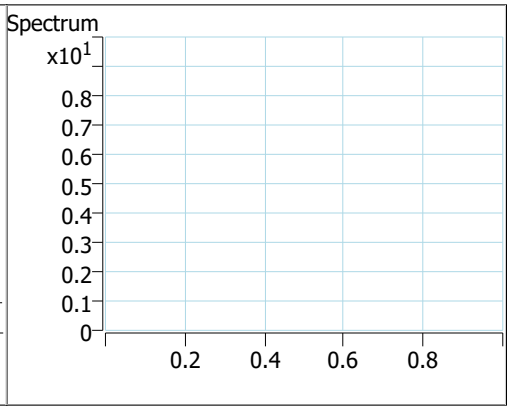




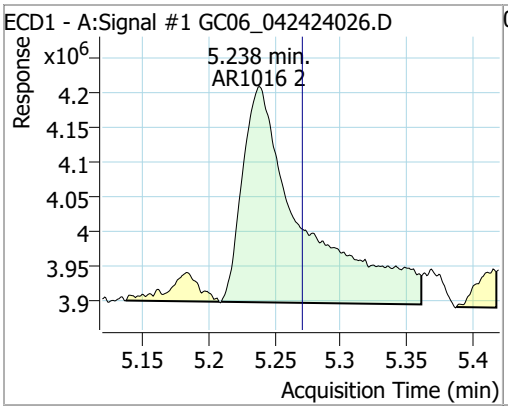
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	5114.3512	4.98	0.02	12322366				

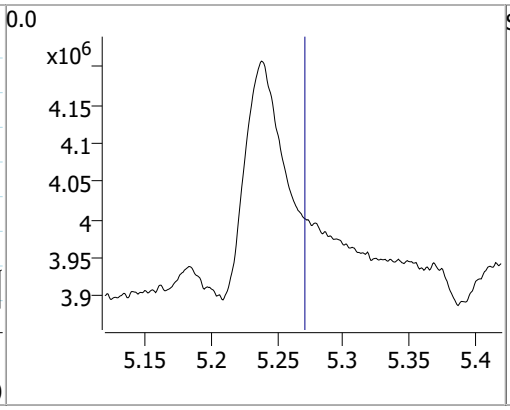


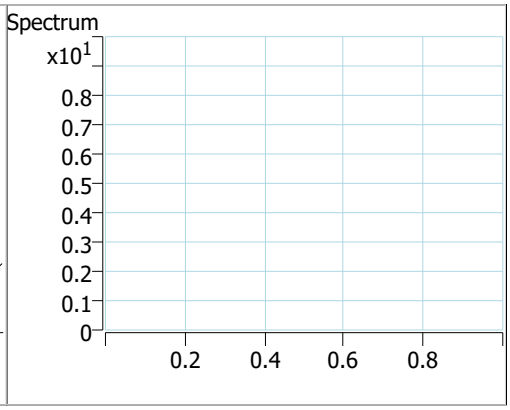




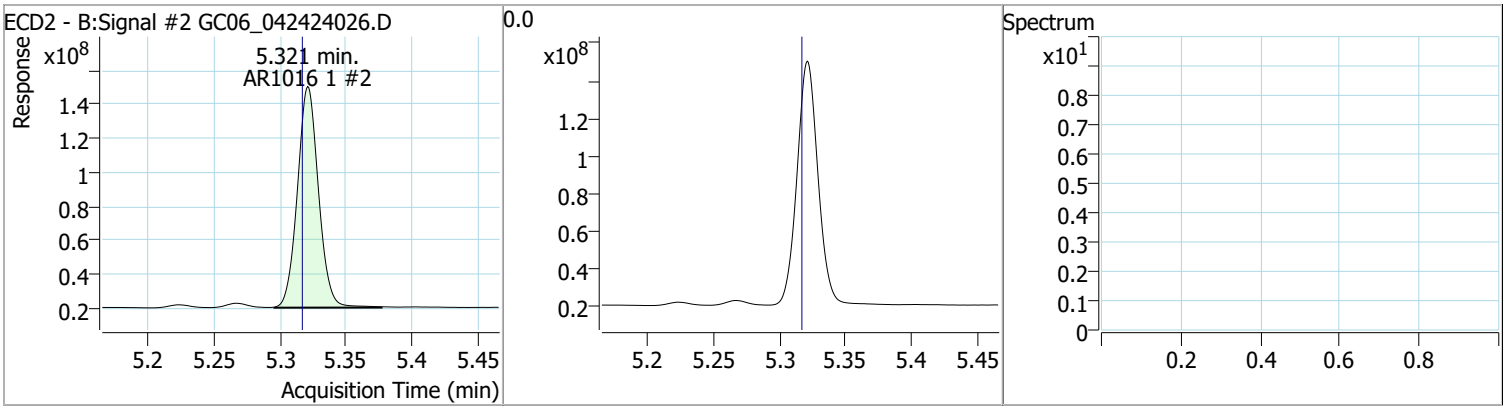
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	216.7320	5.24	-0.03	1005302				



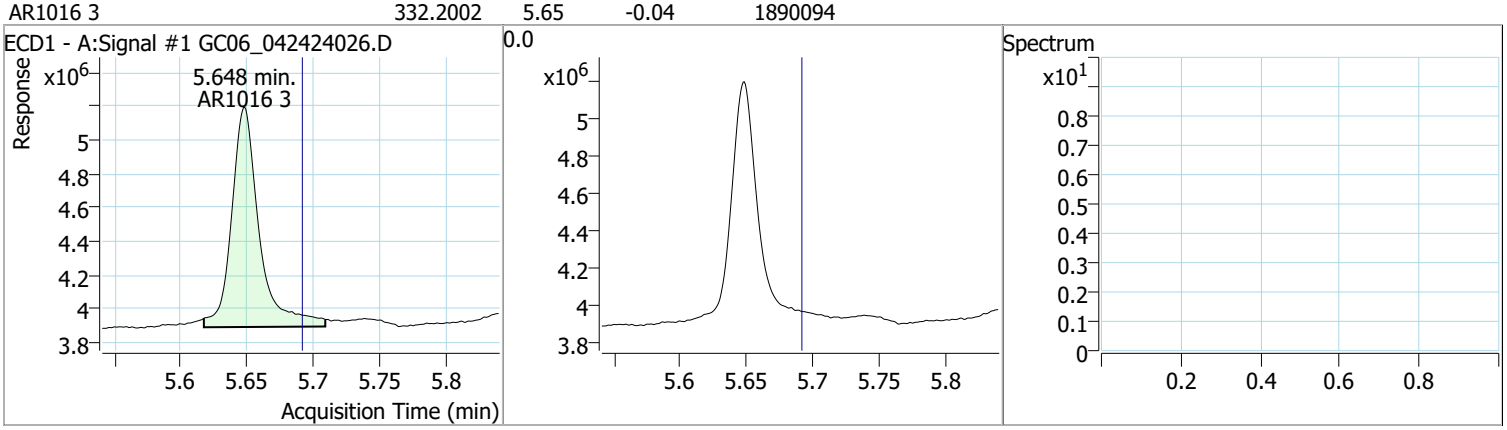




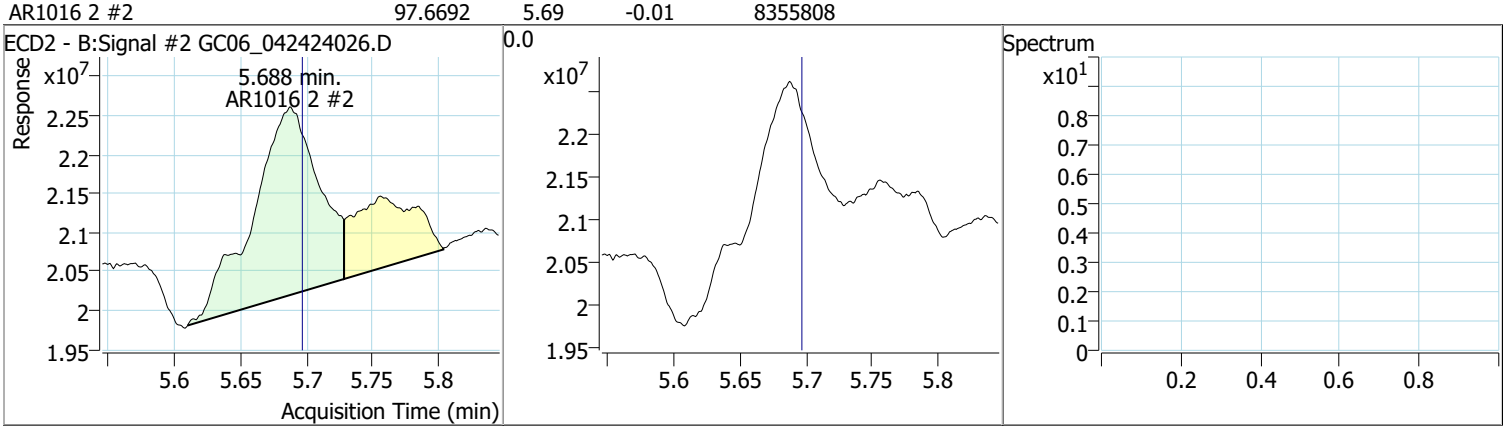
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	3368.1540	5.32	0.01	144034545				



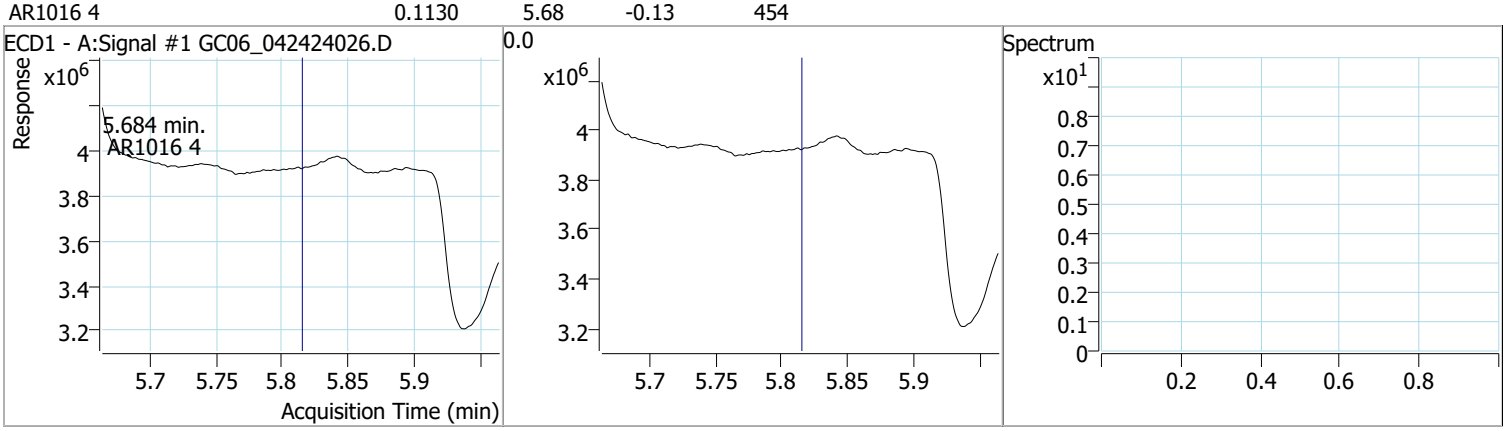
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	332.2002	5.65	-0.04	1890094				



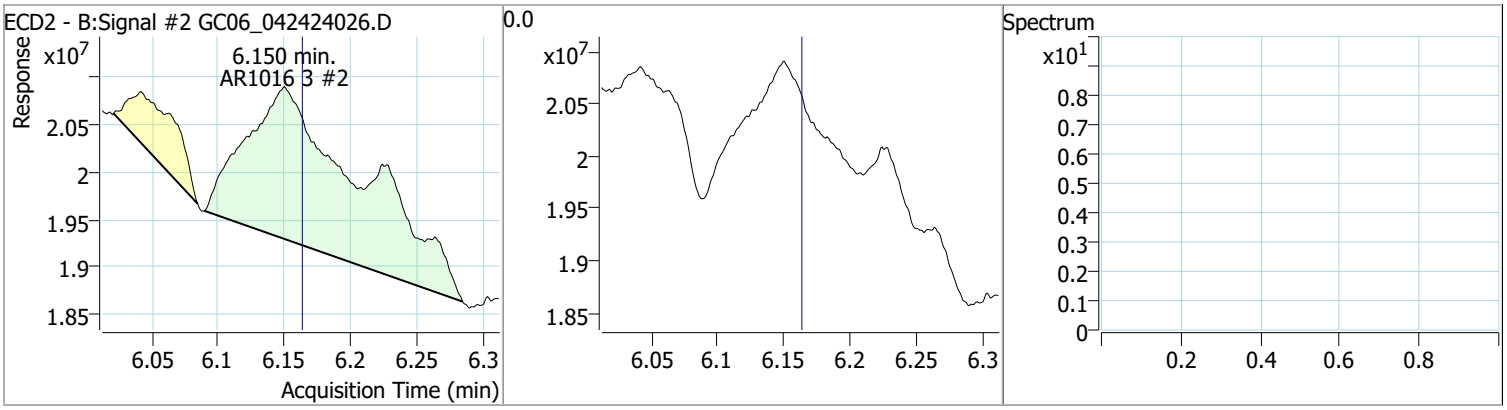
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	97.6692	5.69	-0.01	8355808				



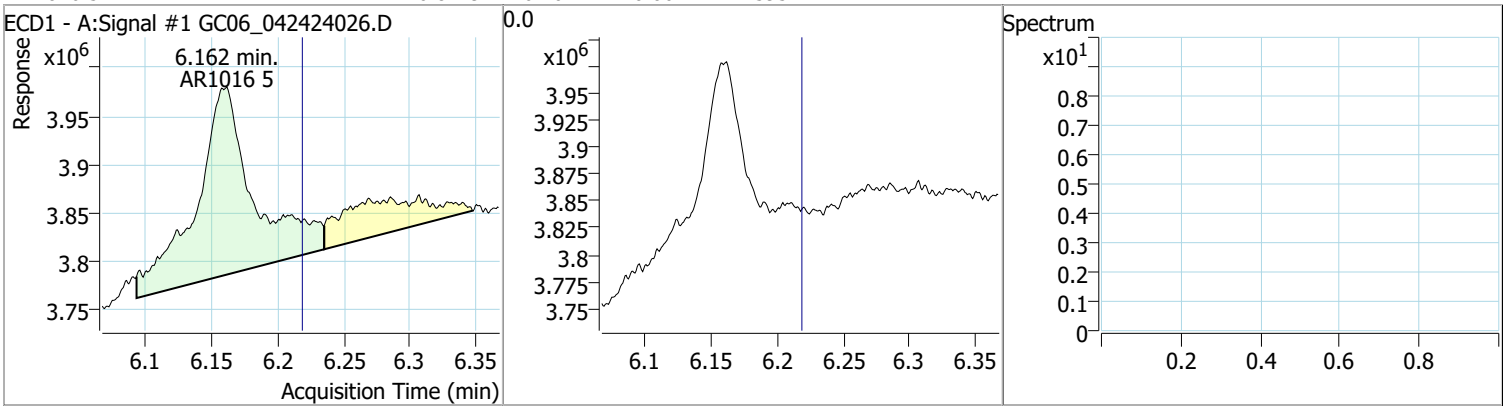
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	0.1130	5.68	-0.13	454				



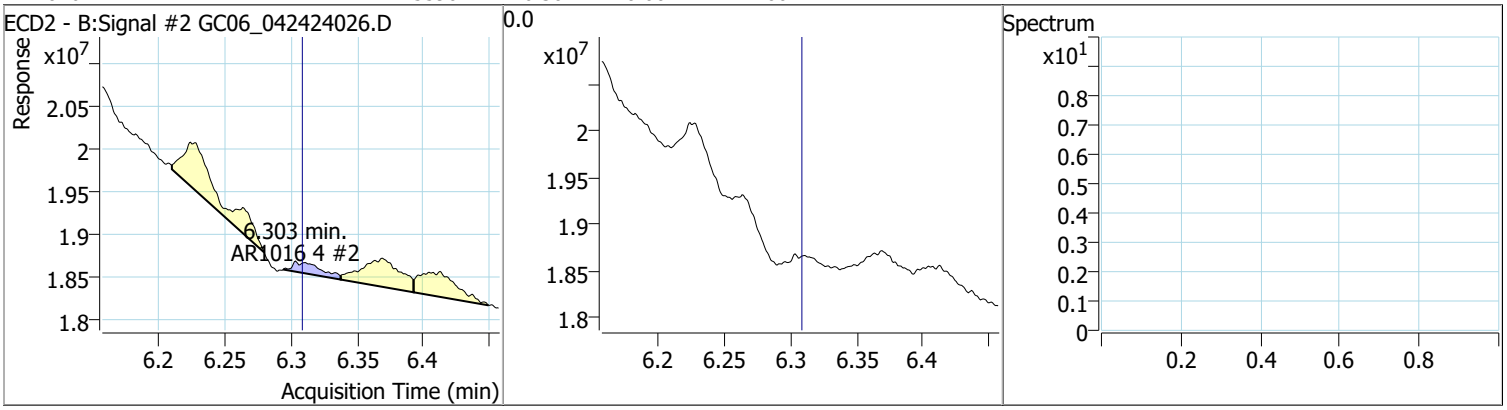
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	85.1254	6.15	-0.01	10087005				



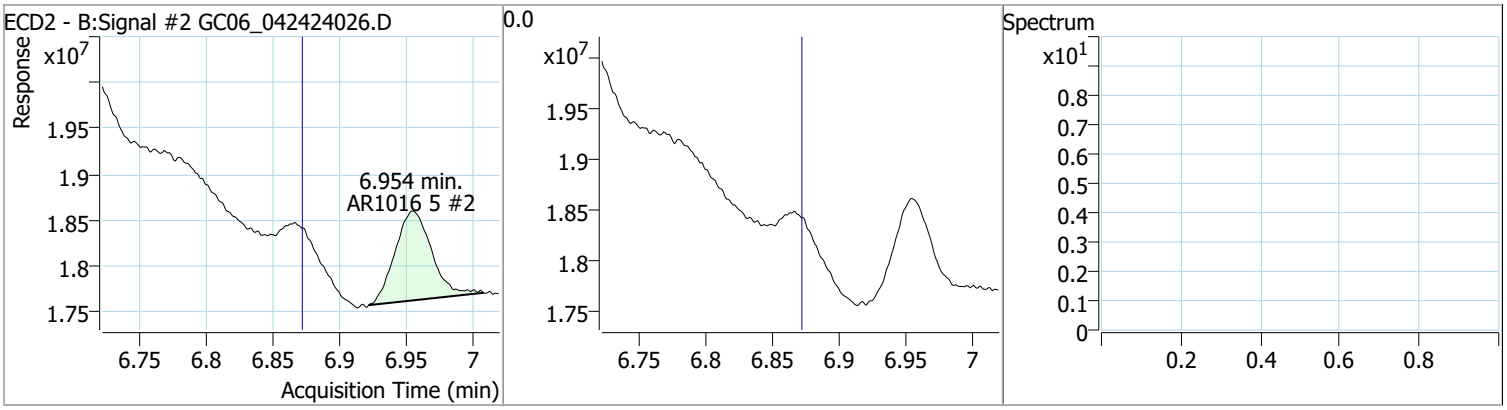
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	176.8279	6.16	-0.06	595111				



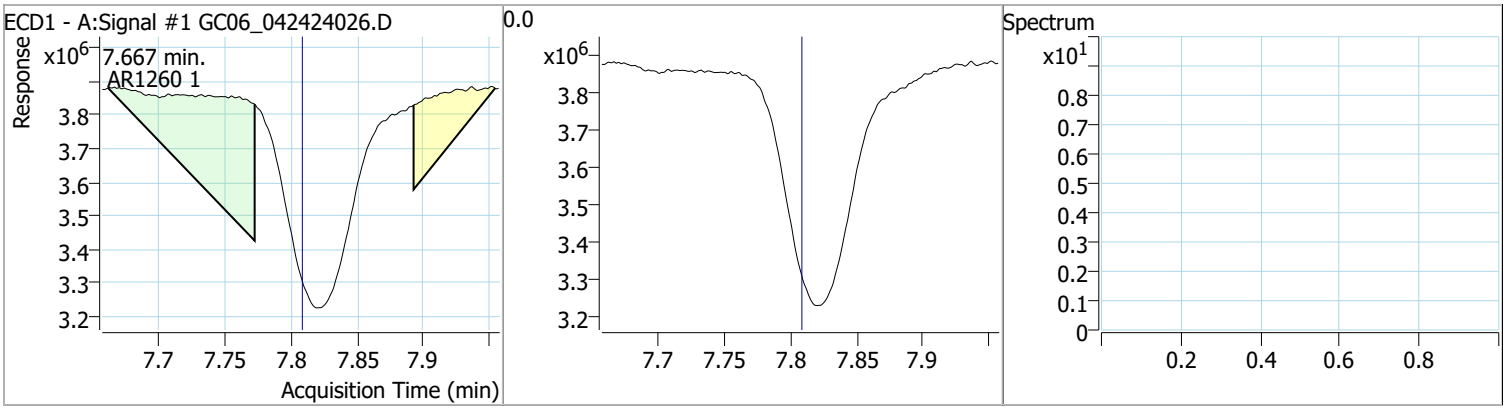
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	2.5590	6.30	0.00	200442				



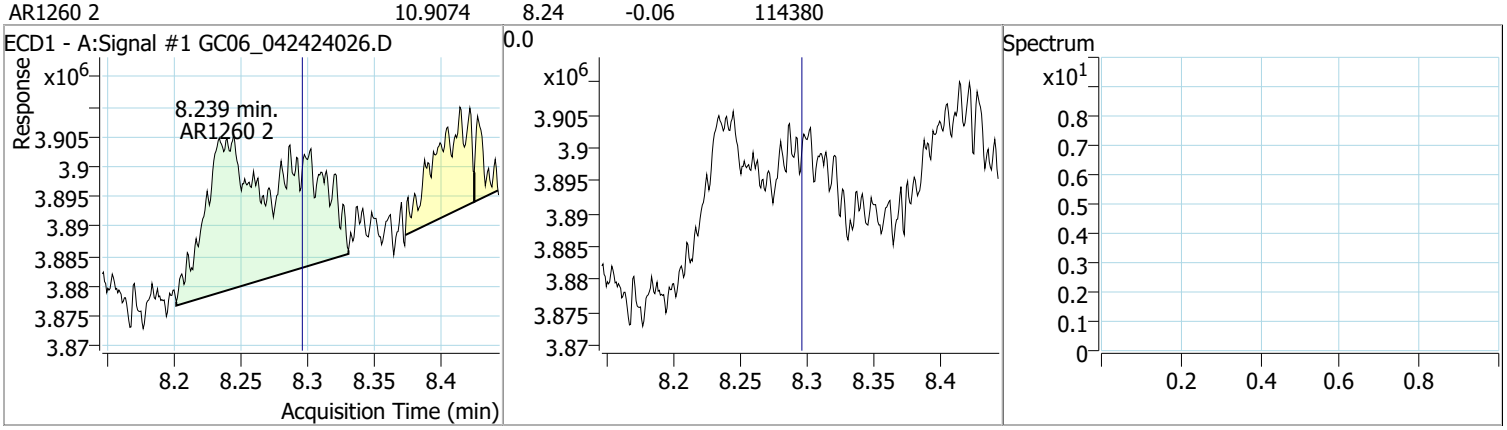
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	28.5356	6.95	0.08	1871016				



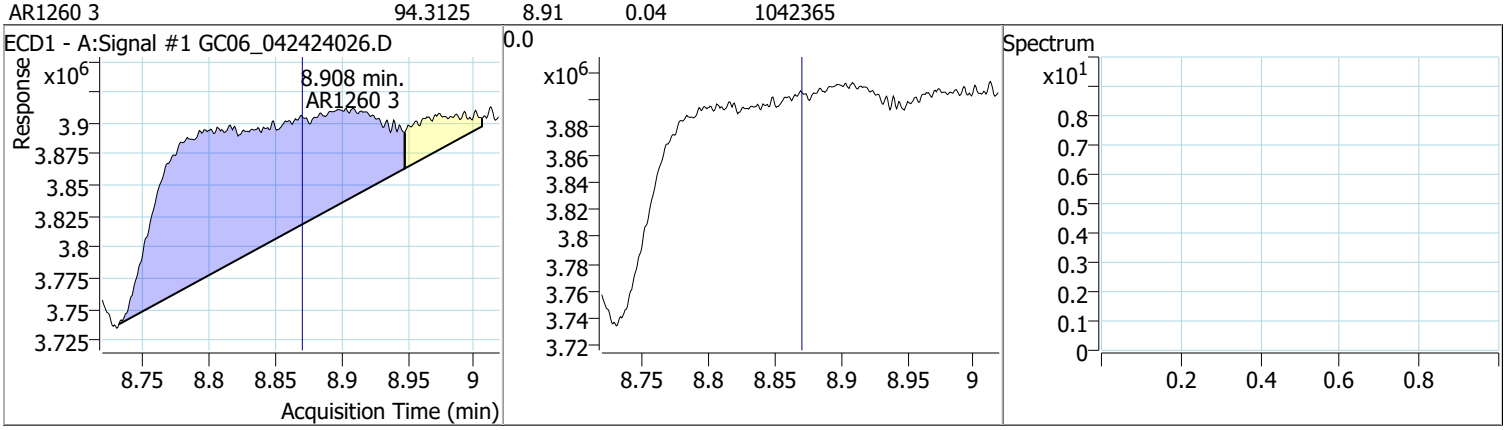
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	200.1421	7.67	-0.14	1371911				



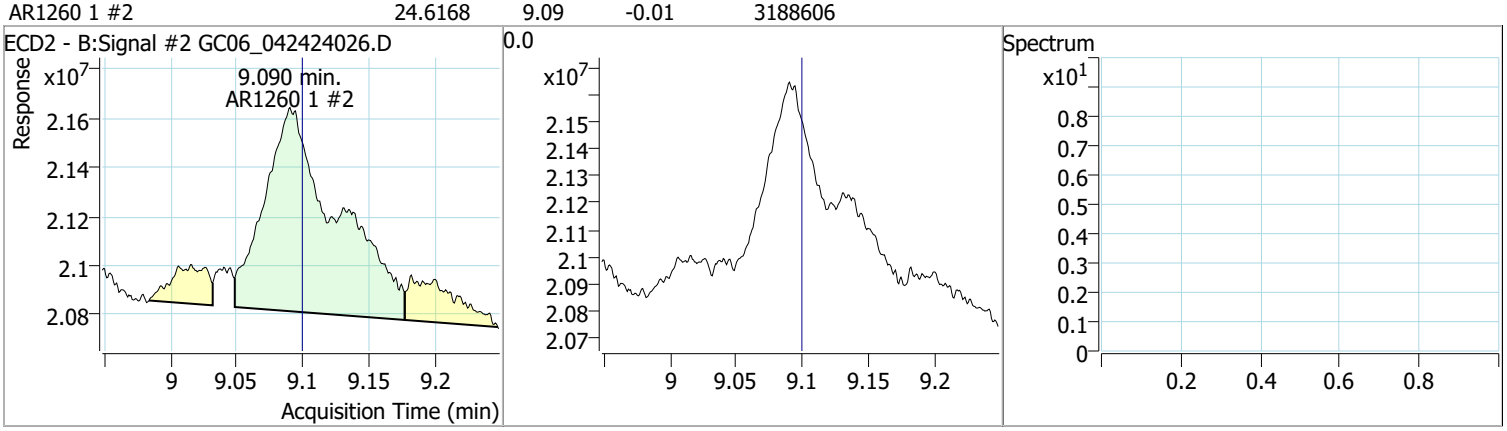
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	10.9074	8.24	-0.06	114380				



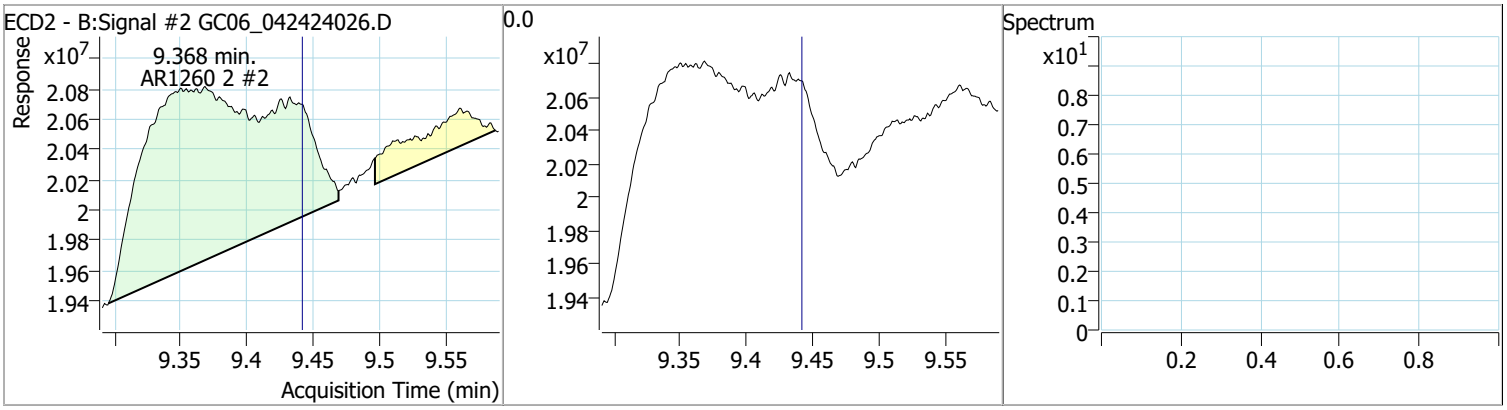
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	94.3125	8.91	0.04	1042365				



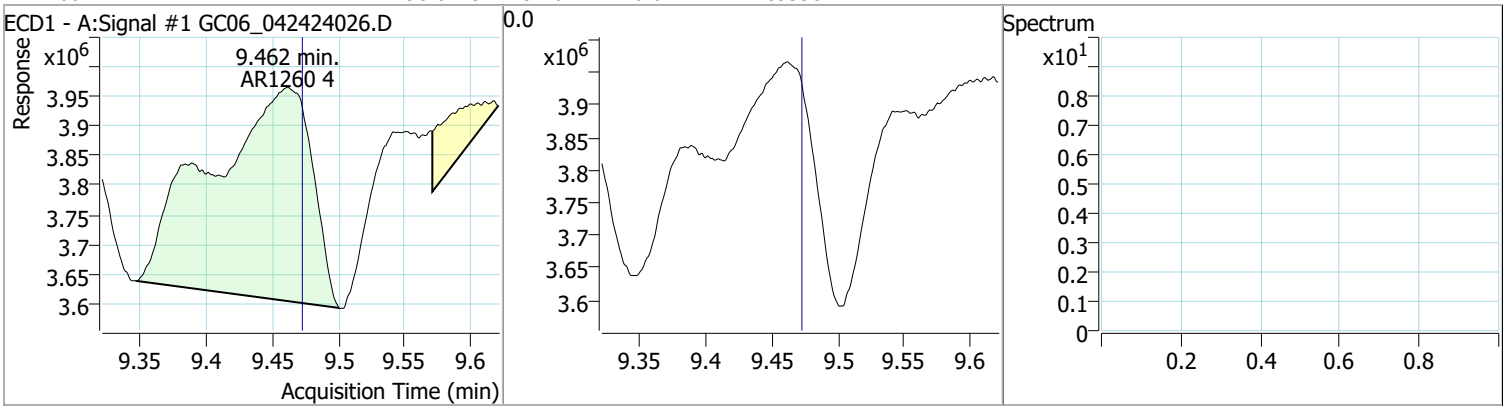
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	24.6168	9.09	-0.01	3188606				



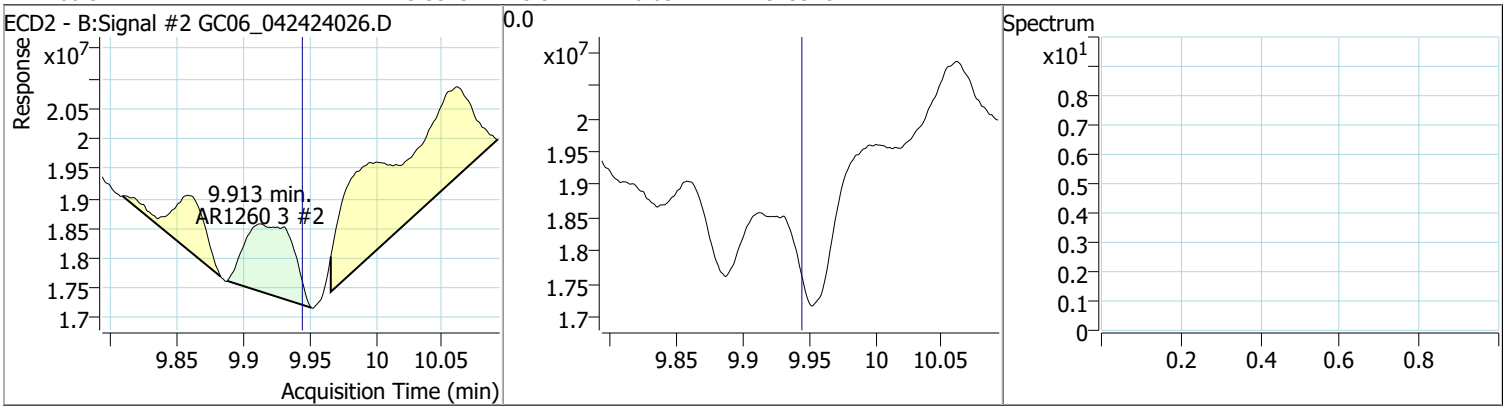
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	53.0355	9.37	-0.07	8356602				



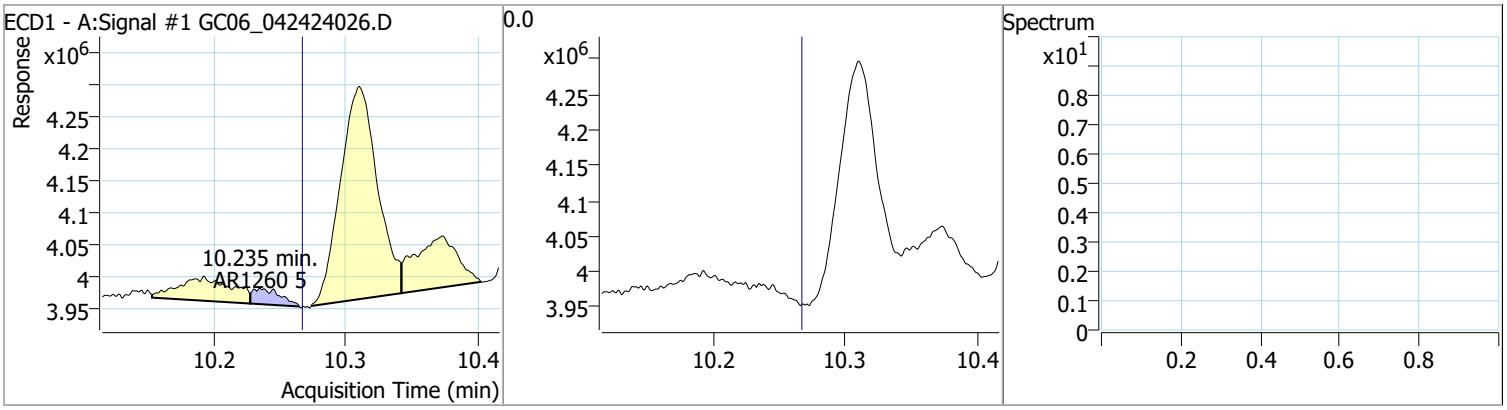
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	298.8423	9.46	-0.01	1899951				



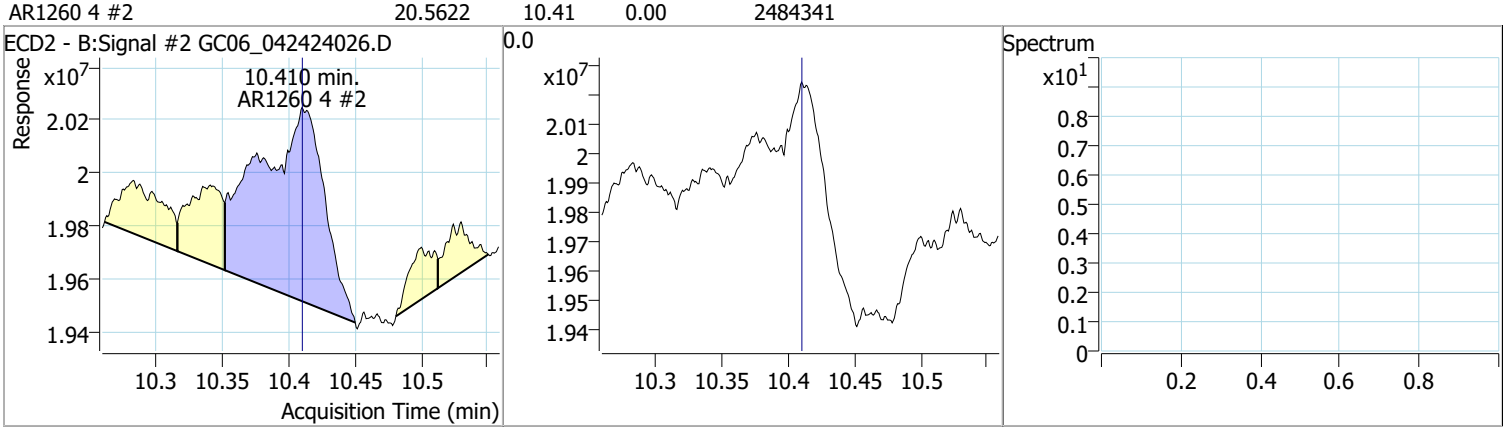
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	15.3373	9.91	-0.03	2979978				



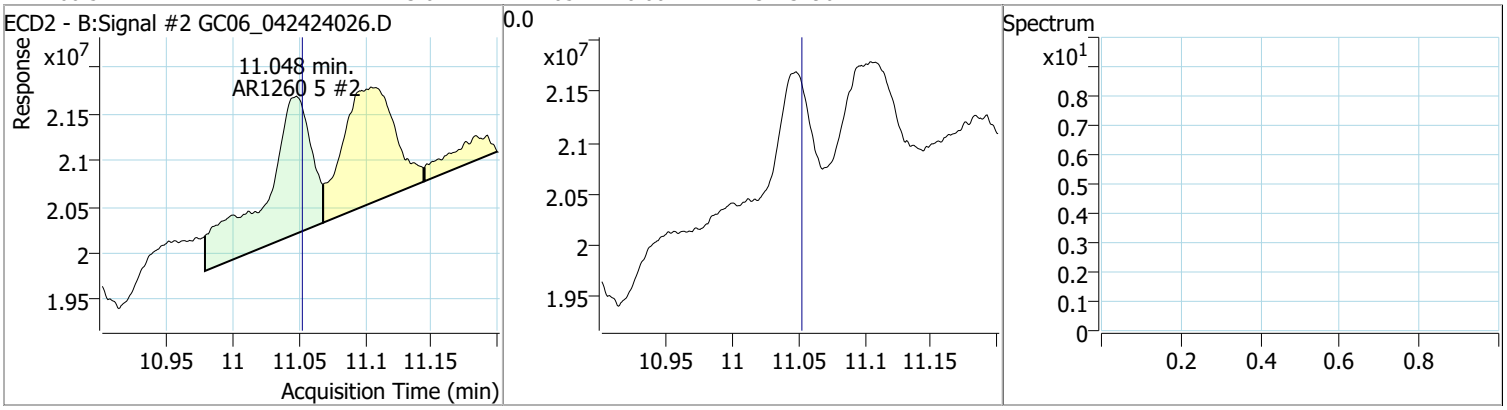
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	5.0558	10.24	-0.03	35888				



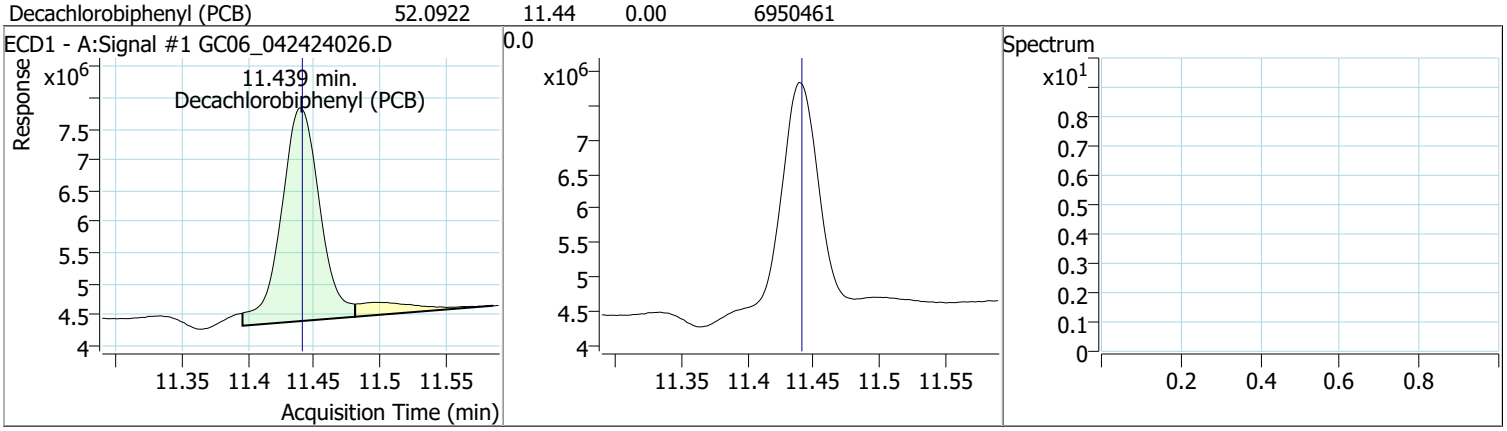
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	20.5622	10.41	0.00	2484341				



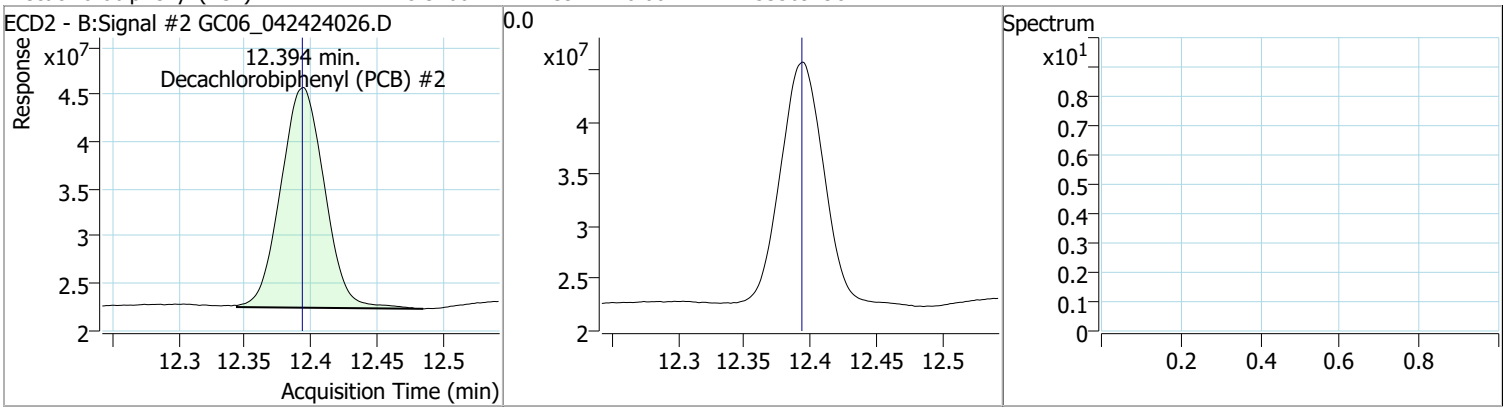
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.0122	11.05	0.00	3743796				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	52.0922	11.44	0.00	6950461				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.3160	12.39	0.00	53569798				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	506868-004	Client ID:	AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-P-LA
Seqnum:	454166111027	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_042424027	Batch:	338600	Time:	24-APR-2024 16:34
Cal:	454124679002	Caldate:	26-MAR-2024		
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	Blank	Flags
Aroclor-1016	B	63.11	~~0.63~~ ~~FP~~	5.2	156%	0.50		x u
Aroclor-1016 Peak # 1	B	69.28	0.69	2.51	114%			
Aroclor-1016 Peak # 2	B	47.24	0.47	0.53	11%			
Aroclor-1016 Peak # 3	B	47.55	0.48	7.29	176%			
Aroclor-1016 Peak # 4	B	117.7	1.18	14.06	169%			
Aroclor-1016 Peak # 5	B	33.81	0.34	1.38	121%			
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	17.86	ND	2.1	169%	0.50		u
Aroclor-1260 Peak # 1	B	24.88	0.25	3.83	176%			
Aroclor-1260 Peak # 2	B	7.373	0.07	0.15	66%			
Aroclor-1260 Peak # 3	B	14.40	0.14	1.68	168%			
Aroclor-1260 Peak # 4	B	14.44	0.14	4.46	187%			
Aroclor-1260 Peak # 5	B	28.19	0.28	0.43	42%			
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	38.75	0.5000	0.3875	77	19-121	u
Decachlorobiphenyl (PCB)	B	28.25	0.5000	0.2825	56	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	45439869	-1.03
1-bromo-2-nitrobenzene (PCB)	A	3177182	1640863	-48.35

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.83	0.00

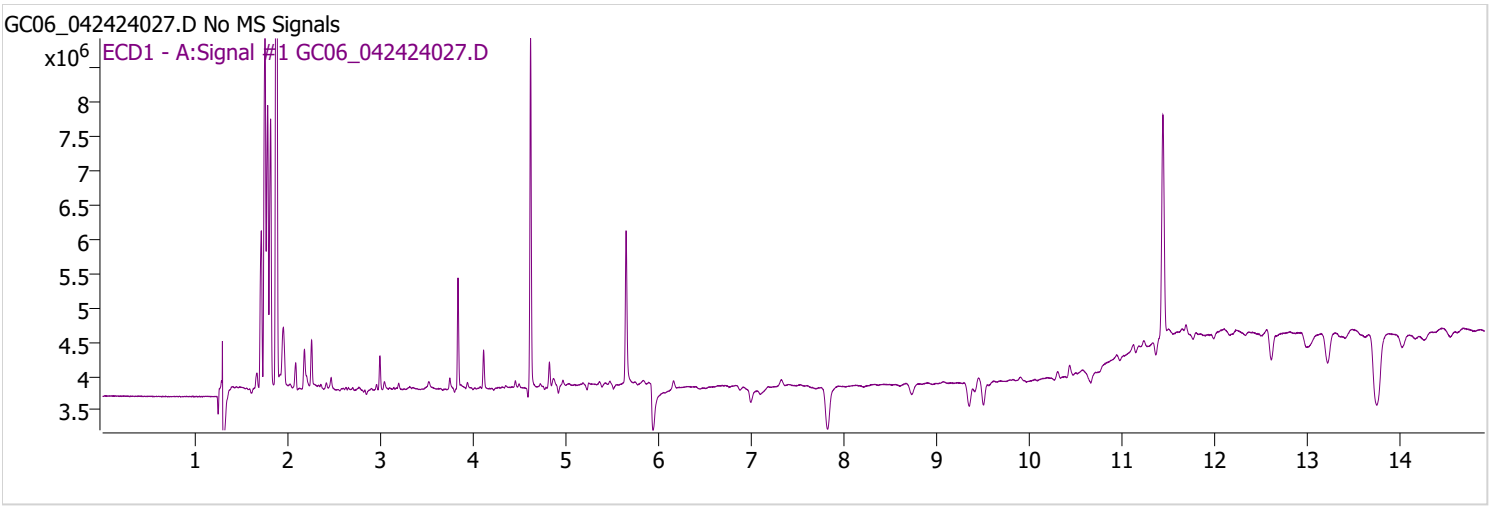
04/26/24 : WIPE/1dm3-10ML

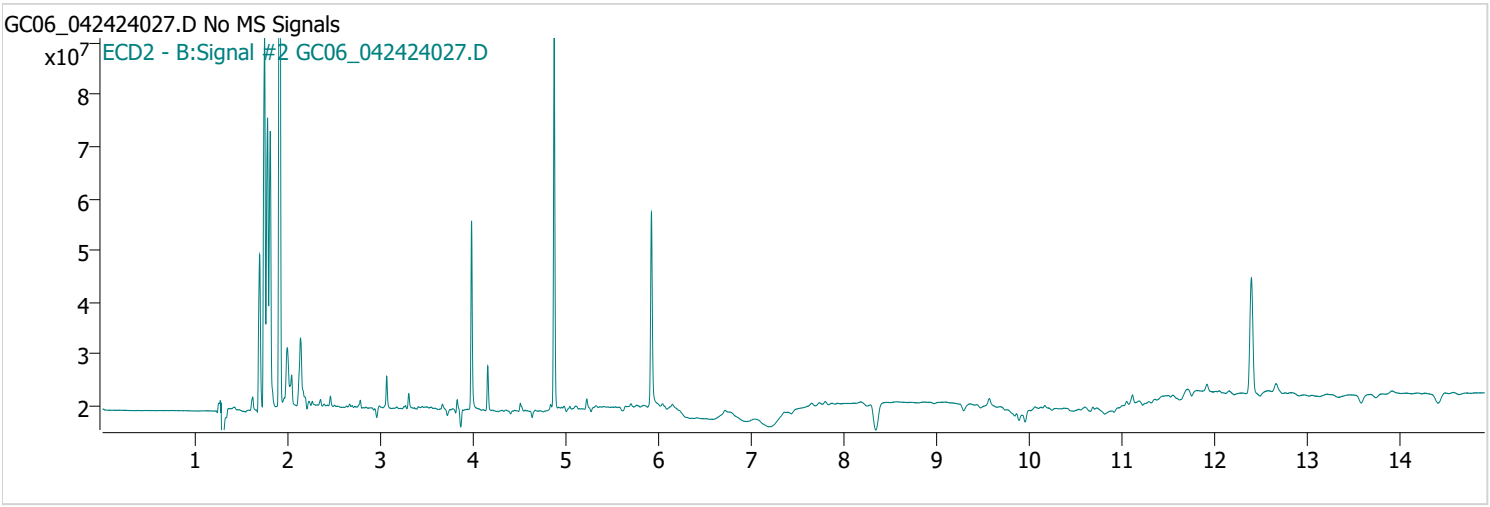
u=use x=false positive

Analyst: MES 04/26/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424027.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 4:34:14 PM
Sample Name	506868-004, 338600, 1	Instrument	SVOA-GC06
Vial	6	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



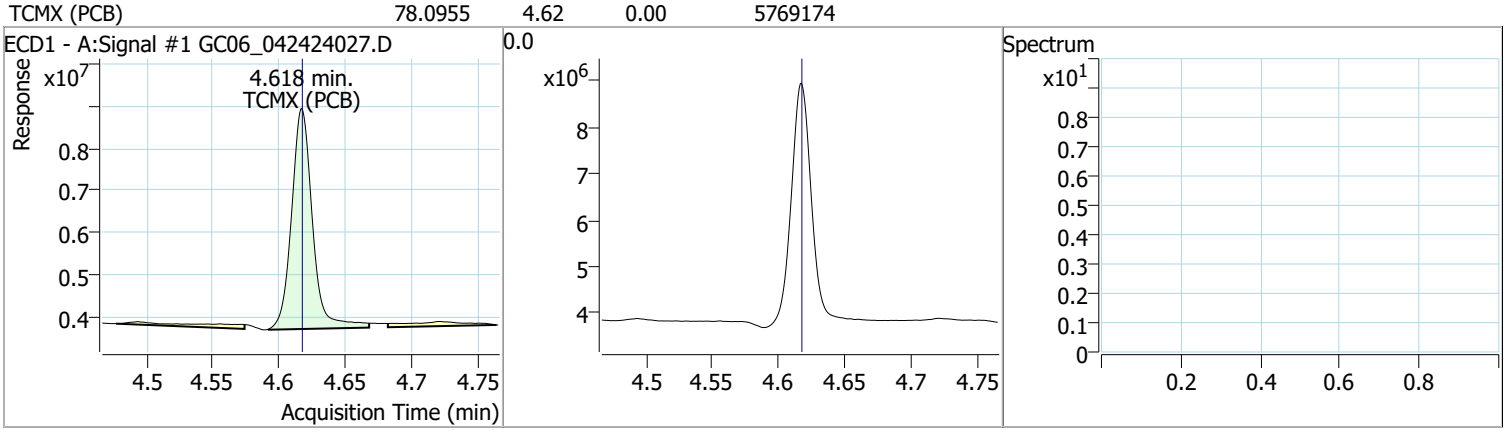


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.834	0.0	1640862.799	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.981	0.0	45439868.649	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.618	0.0	5769173.982	78.0955	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 390.48%		*	
S TCMX (PCB) #2	4.872	0.0	76347881.197	38.7472	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.74%		*	
S Decachlorobiphenyl (PCB)	11.439	0.0	7167607.067	73.3774	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 366.89%		*	
S Decachlorobiphenyl (PCB) #2	12.393	0.0	52476127.059	28.2495	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 141.25%			
Target Compounds							QValue

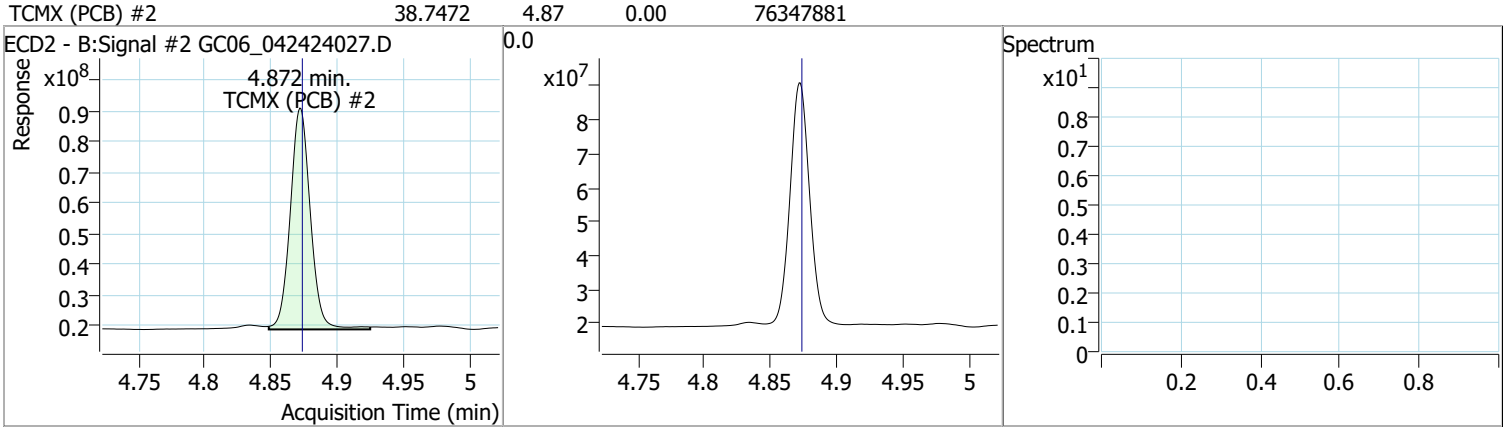
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.967	0.0	442887.385	251.0837	ng/ml	100
T AR1016 2	5.183	0.0	179850.823	52.9624	ng/ml	100
T AR1016 1 #2	5.325	0.0	2908894.116	69.2774	ng/ml	100
T AR1016 3	5.648	0.0	3037540.560	729.2347	ng/ml	100
T AR1016 2 #2	5.702	0.0	3968646.904	47.2444	ng/ml	100
T AR1016 4	5.834	0.0	4135850.071	1406.3441	ng/ml	100
T AR1016 3 #2	6.148	0.0	5531983.352	47.5462	ng/ml	100
T AR1016 5	6.158	0.0	340805.325	138.3210	ng/ml	100
T AR1016 4 #2	6.173	0.0	9050147.709	117.6730	ng/ml	100
T AR1016 5 #2	7.018	0.0	2176851.367	33.8125	ng/ml	100
T AR1260 1	7.753	0.0	1923697.781	383.3348	ng/ml	100
T AR1260 2	8.334	0.0	112785.286	14.6910	ng/ml	100
T AR1260 3	8.893	0.0	1361714.565	168.2923	ng/ml	100
T AR1260 1 #2	9.096	0.0	3164817.624	24.8839	ng/ml	100
T AR1260 2 #2	9.357	0.0	1140753.697	7.3734	ng/ml	100
T AR1260 4	9.453	0.0	2074702.734	445.7427	ng/ml	100
T AR1260 3 #2	9.918	0.0	2746539.378	14.3966	ng/ml	100
T AR1260 5	10.306	0.0	225545.154	43.4013	ng/ml	100
T AR1260 4 #2	10.383	0.0	1712728.472	14.4372	ng/ml	100
T AR1260 5 #2	11.112	0.0	4503279.145	28.1912	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

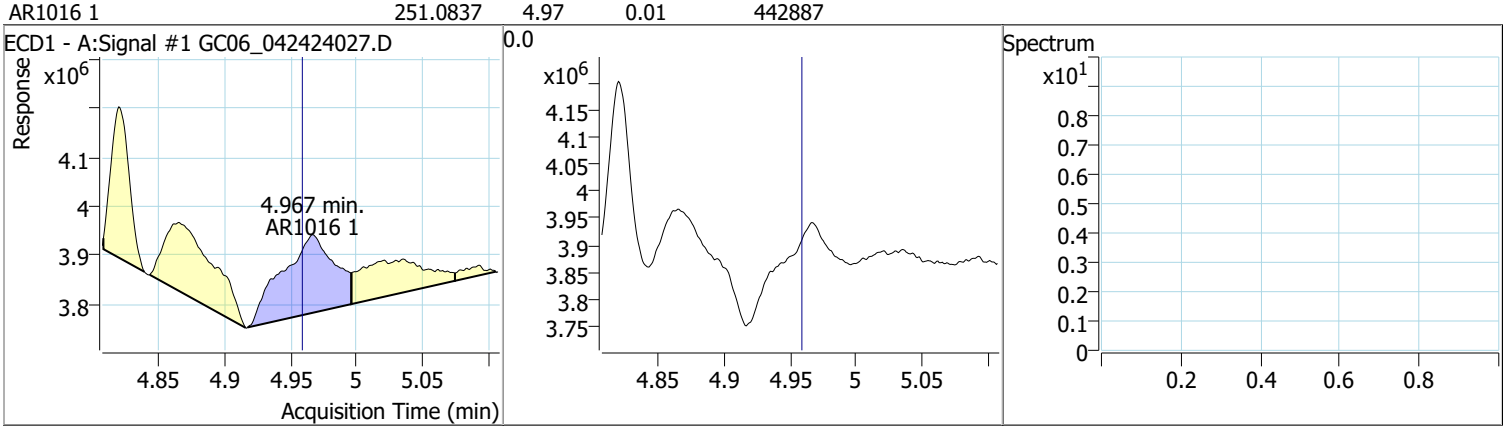
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	78.0955	4.62	0.00	5769174				



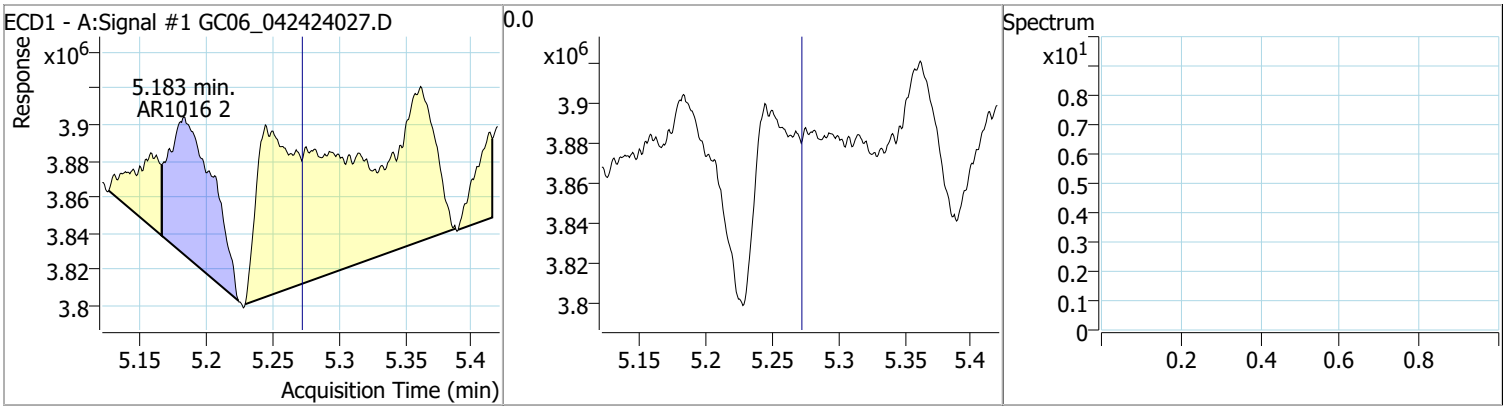
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.7472	4.87	0.00	76347881				



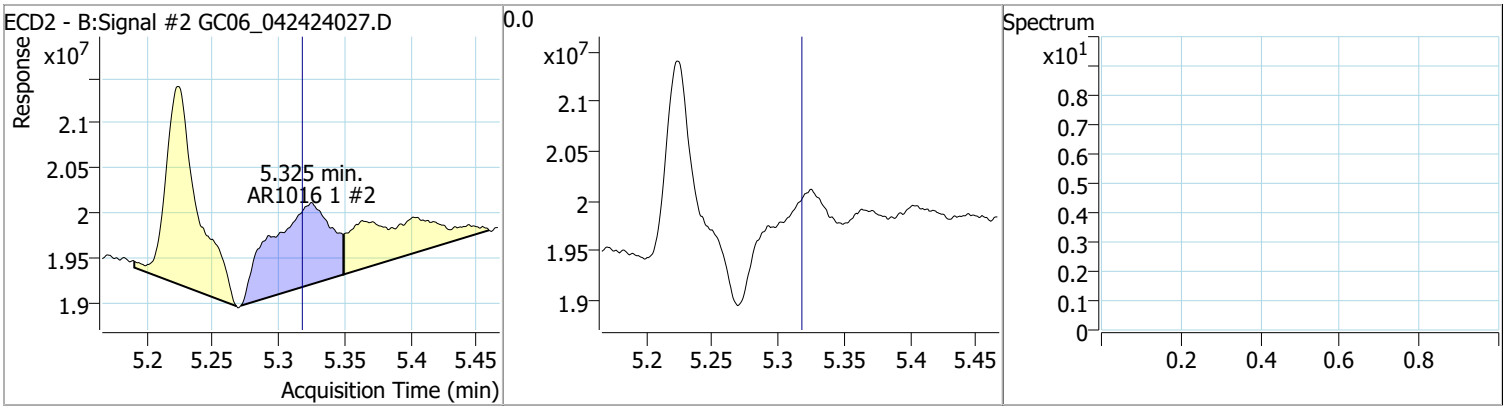
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	251.0837	4.97	0.01	442887				



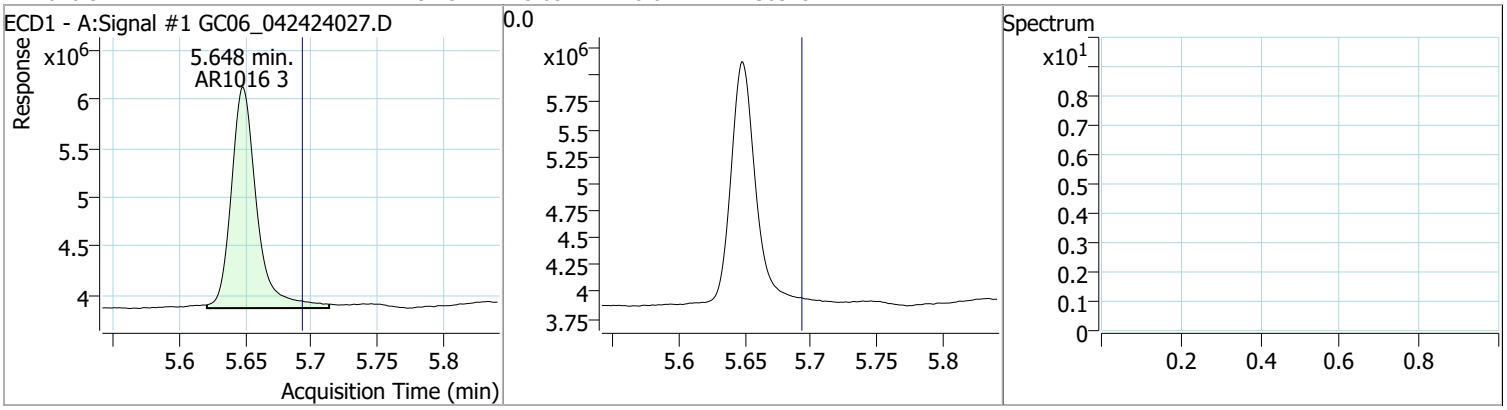
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	52.9624	5.18	-0.09	179851				



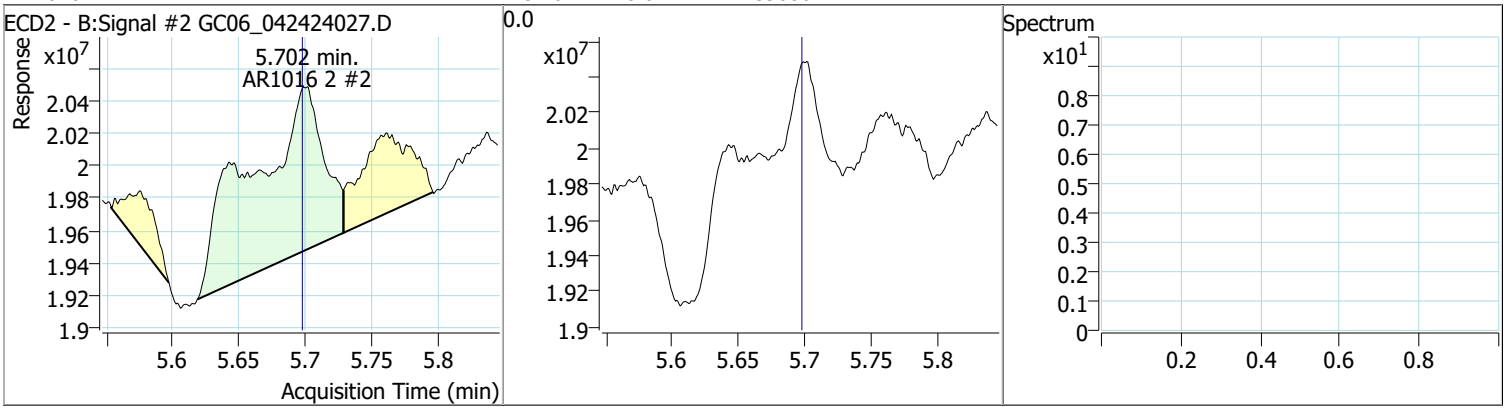
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	69.2774	5.33	0.01	2908894				



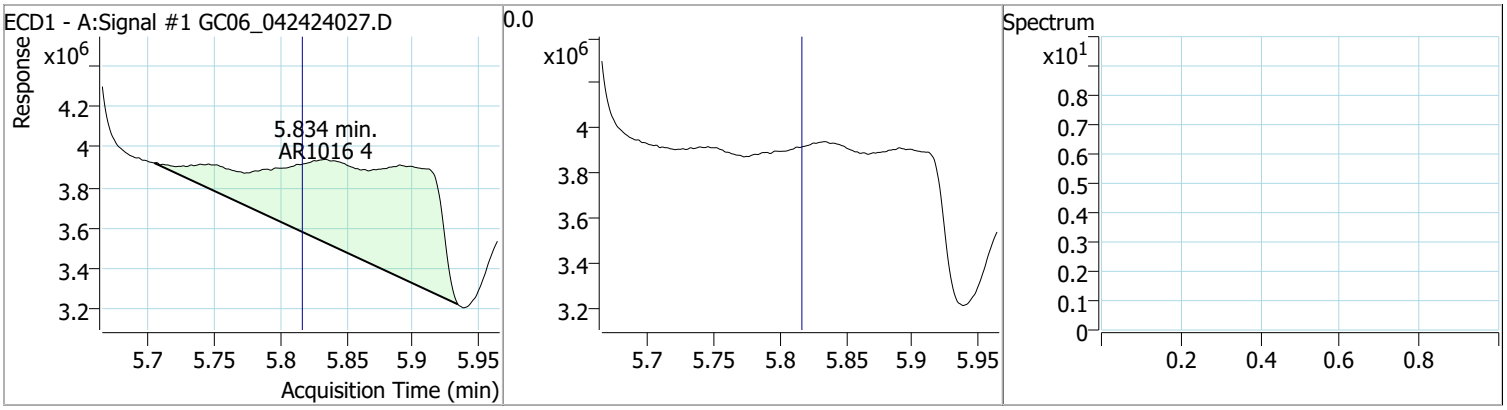
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	729.2347	5.65	-0.04	3037541				



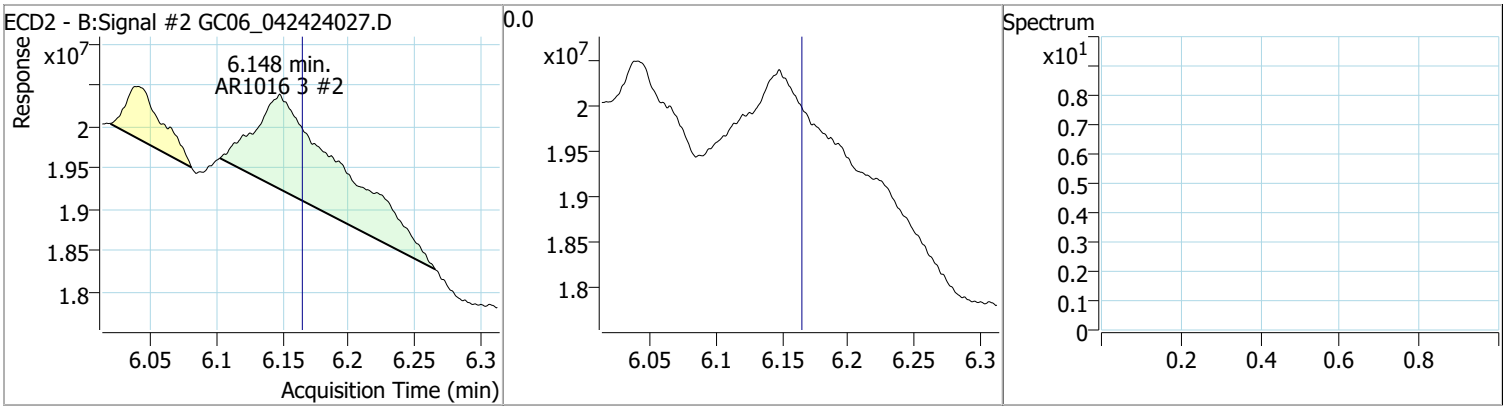
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	47.2444	5.70	0.01	3968647				



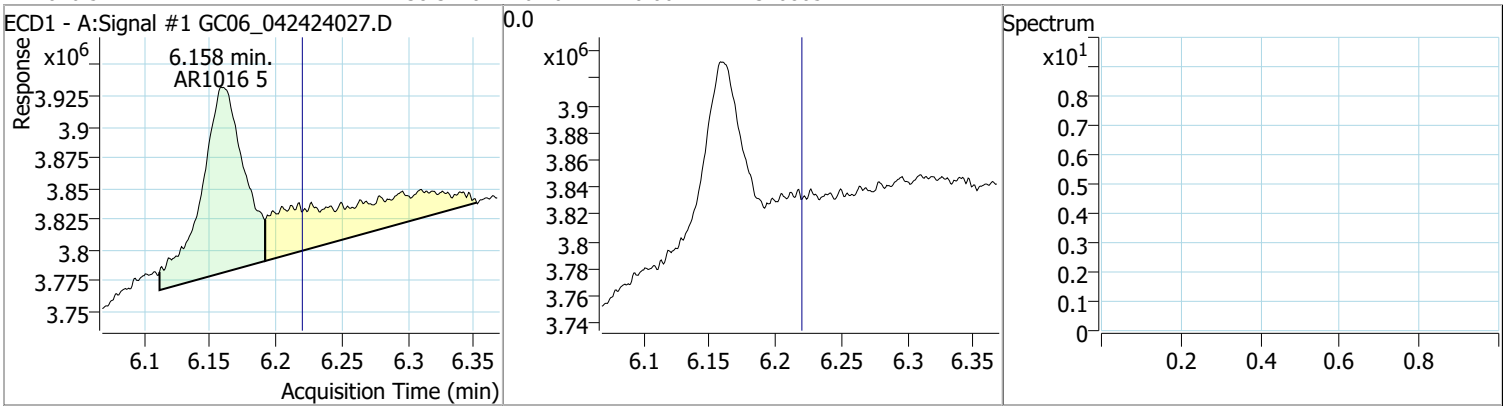
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1406.3441	5.83	0.02	4135850				



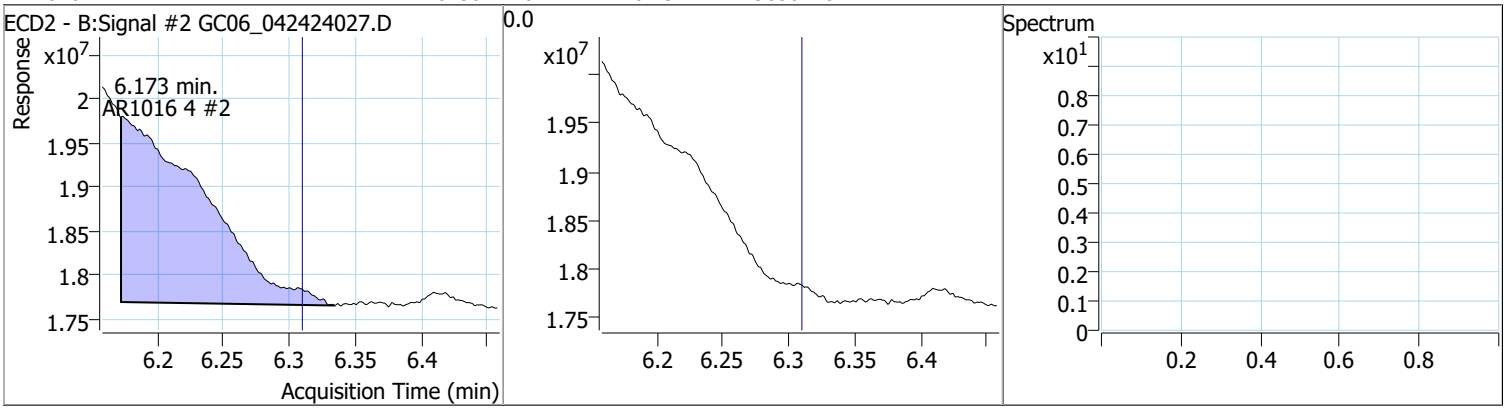
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	47.5462	6.15	-0.01	5531983				



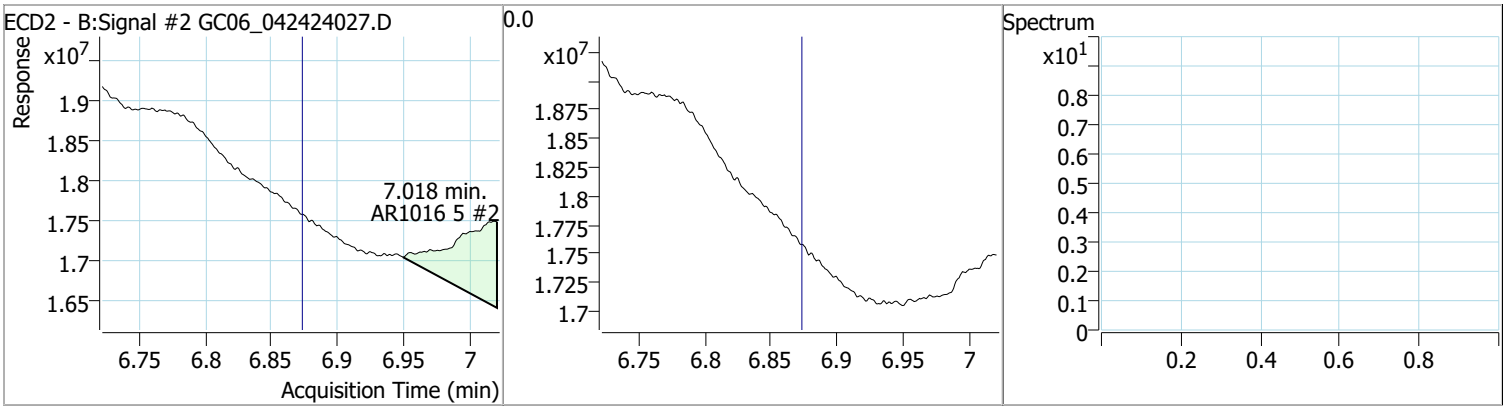
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	138.3210	6.16	-0.06	340805				



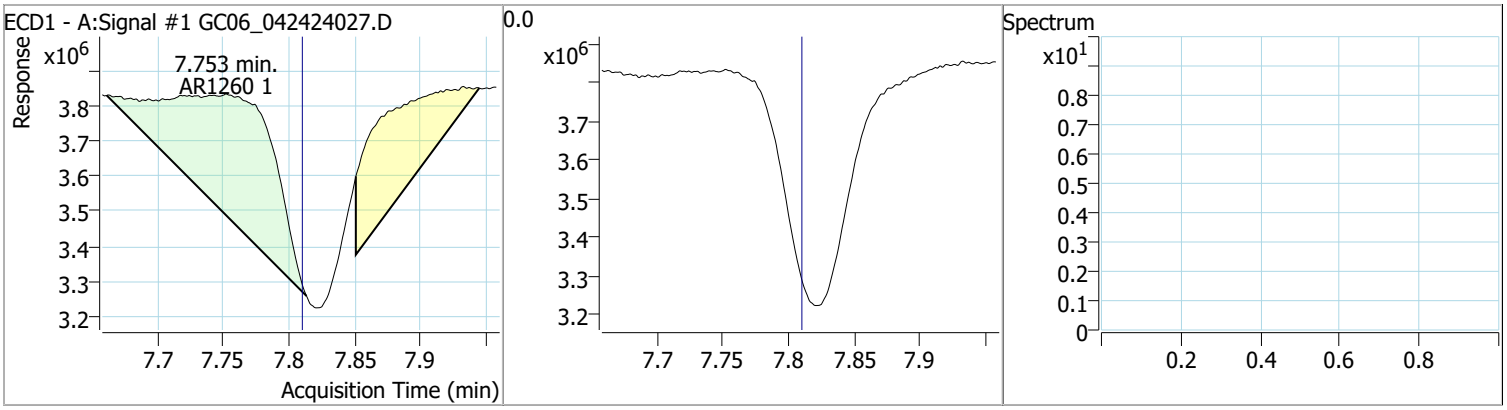
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	117.6730	6.17	-0.13	9050148				



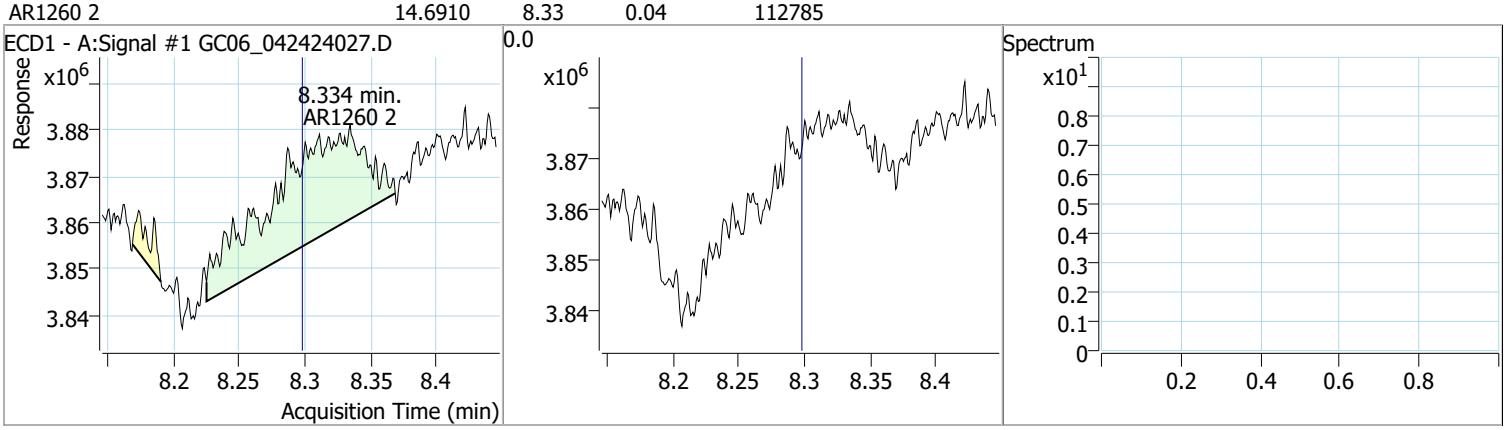
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	33.8125	7.02	0.15	2176851				



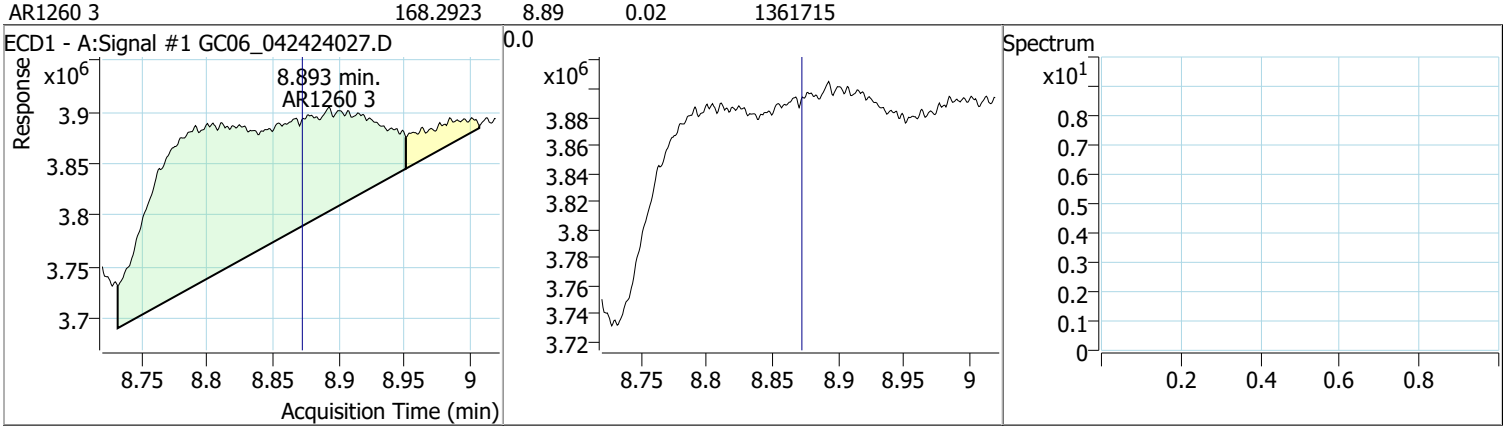
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	383.3348	7.75	-0.05	1923698				



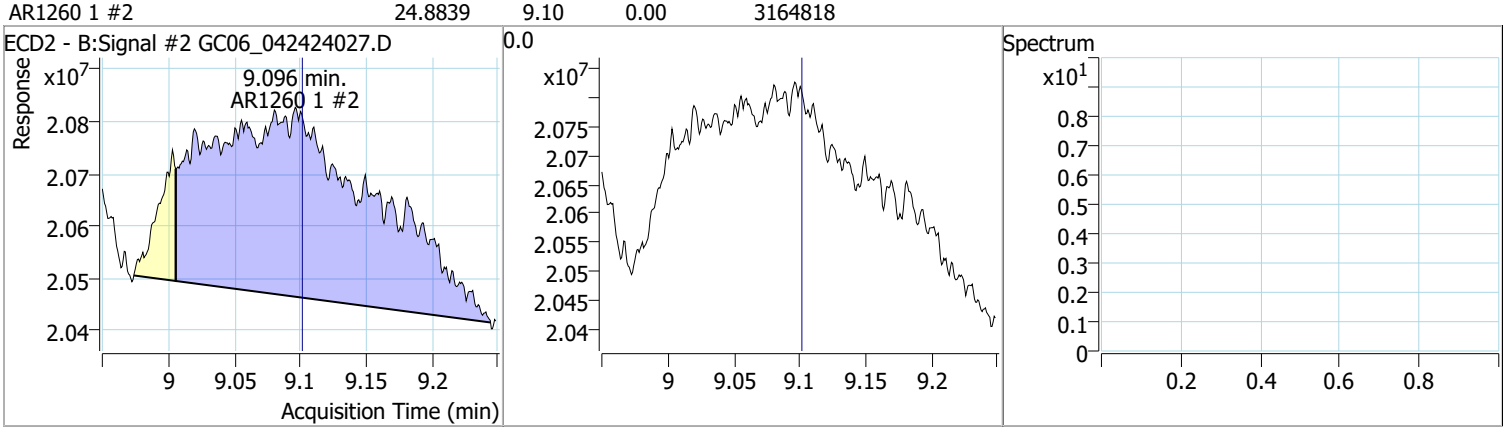
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	14.6910	8.33	0.04	112785				



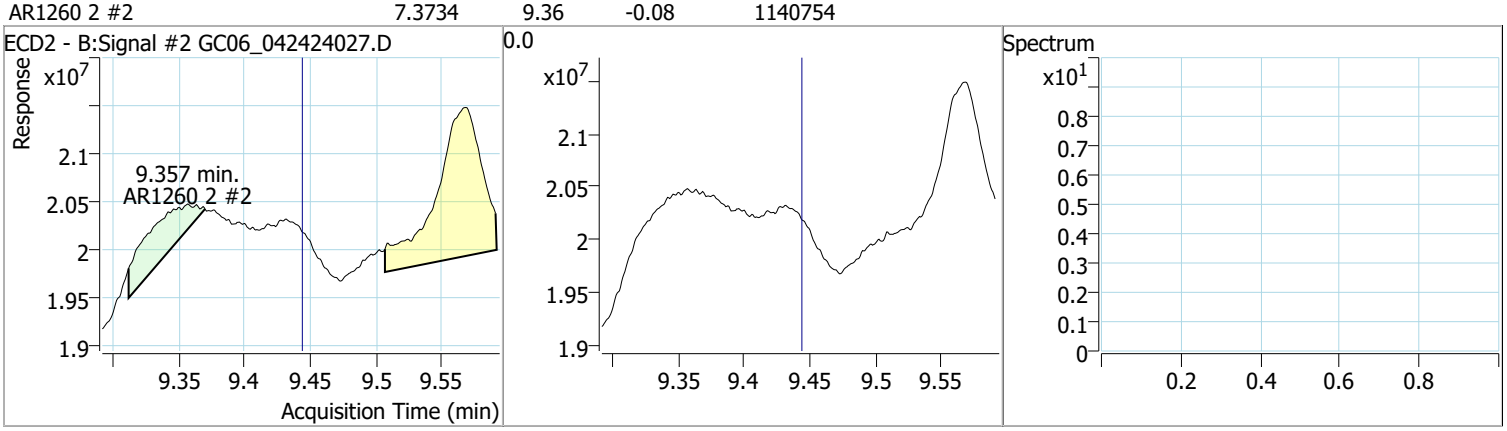
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	168.2923	8.89	0.02	1361715				



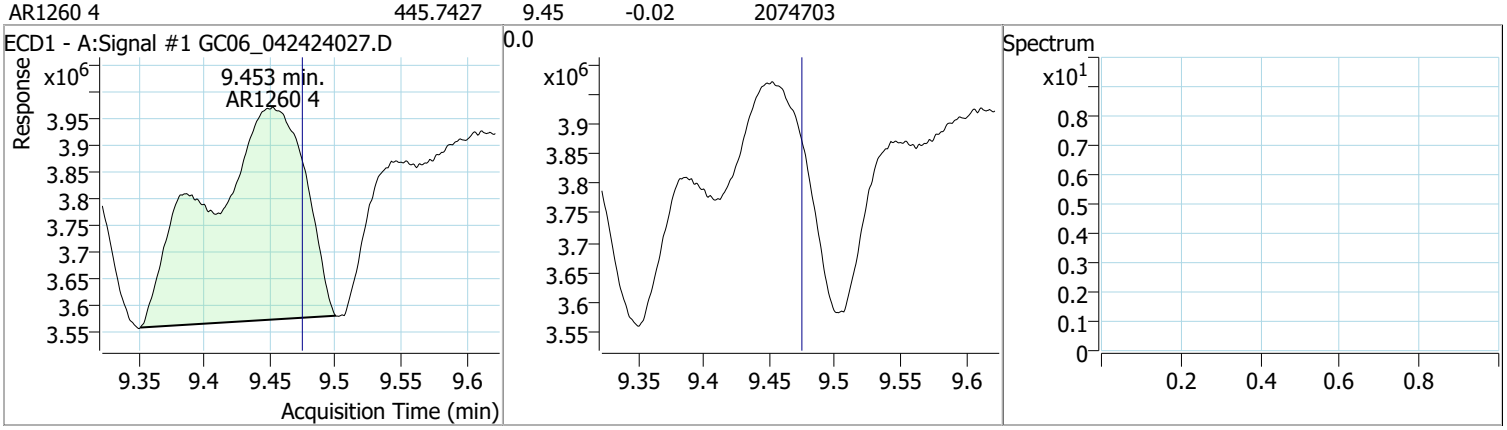
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	24.8839	9.10	0.00	3164818				



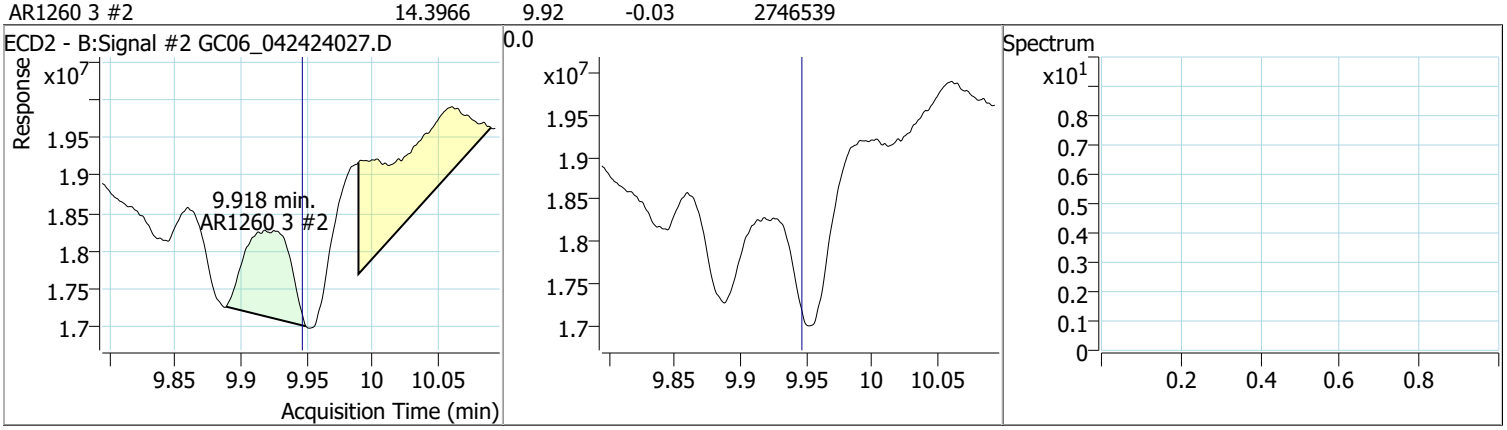
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	7.3734	9.36	-0.08	1140754				



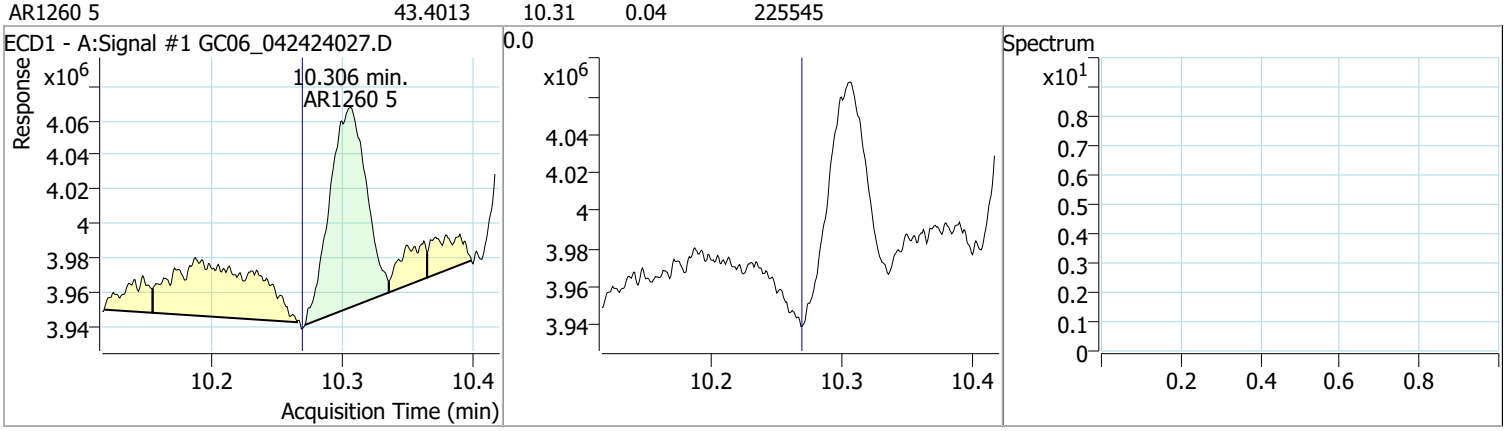
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	445.7427	9.45	-0.02	2074703				



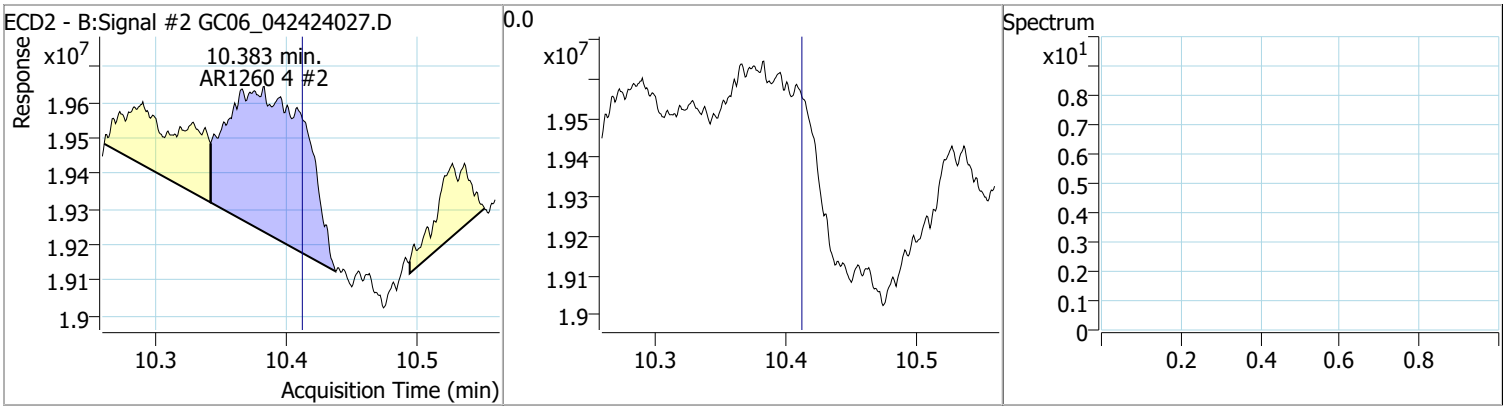
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	14.3966	9.92	-0.03	2746539				



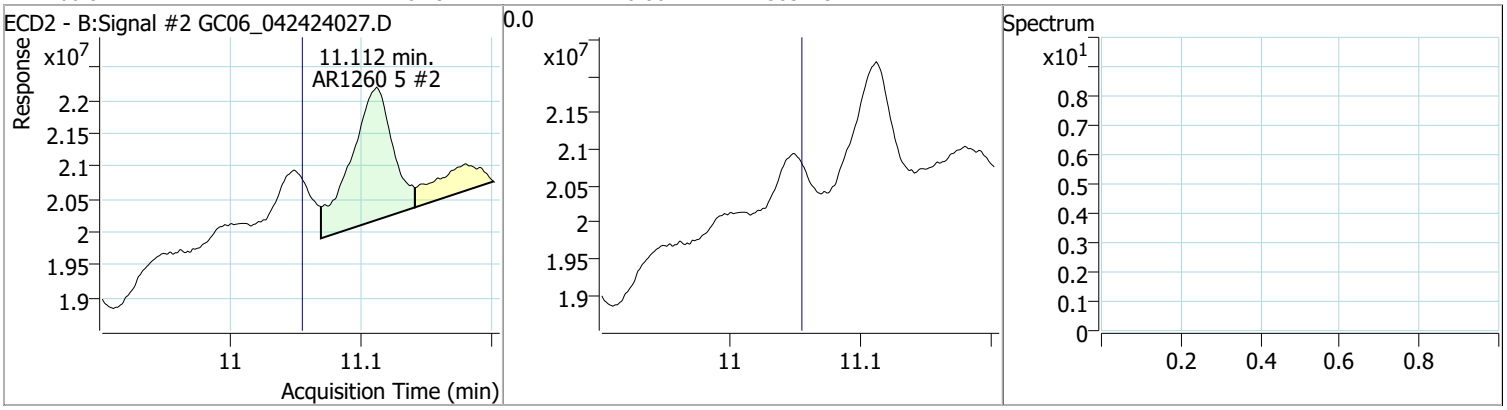
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	43.4013	10.31	0.04	225545				



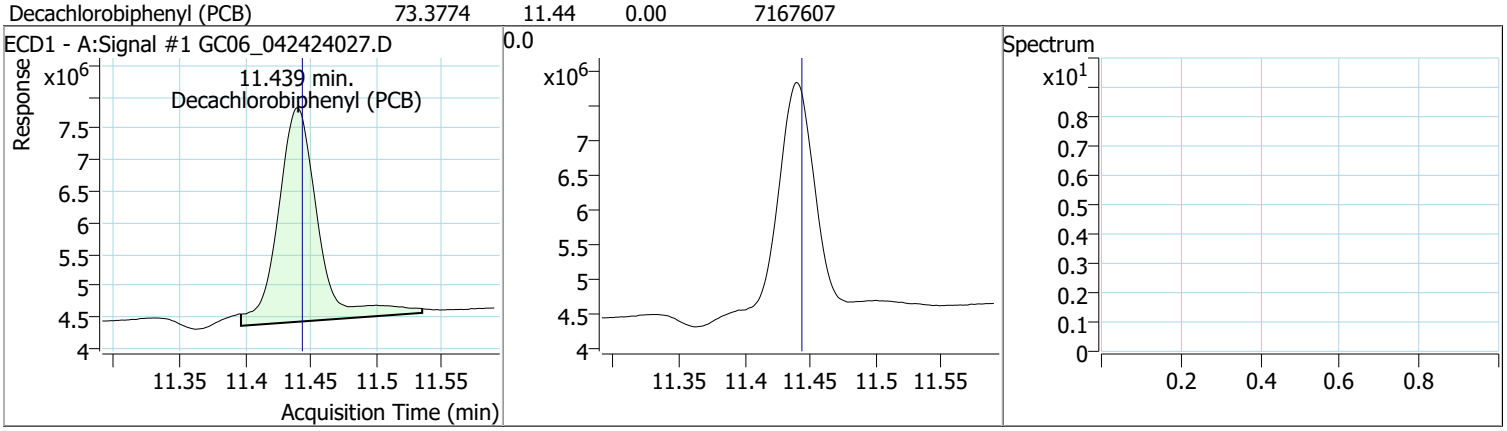
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	14.4372	10.38	-0.03	1712728				



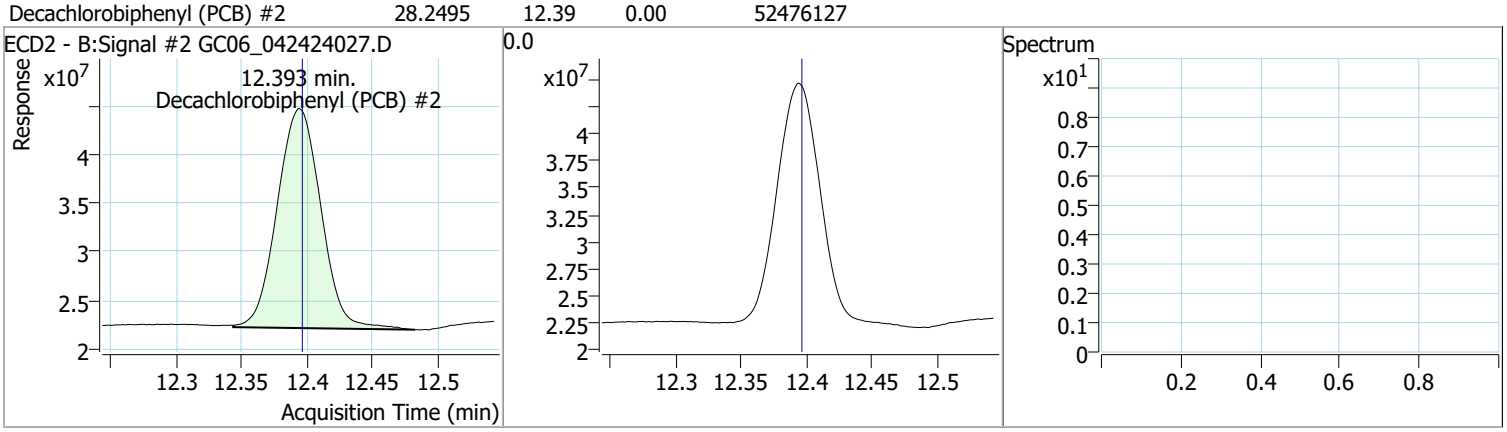
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	28.1912	11.11	0.06	4503279				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	73.3774	11.44	0.00	7167607				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.2495	12.39	0.00	52476127				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	506868-006	Client ID:	AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-P-WF
Seqnum:	454166111028	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_042424028	Batch:	338600	Time:	24-APR-2024 16:55
Cal:	454124679002	Caldate:	26-MAR-2024		
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	Blank	Flags
Aroclor-1016	B	65.15	~~0.65~~ ~~FP~~	3.9	143%	0.50		x u
Aroclor-1016 Peak # 1	B	185.6	1.86	3.54	63%			
Aroclor-1016 Peak # 2	B	75.41	0.75	0.94	22%			
Aroclor-1016 Peak # 3	B	63.73	0.64	8.20	171%			
Aroclor-1016 Peak # 4	B	1.046	0.01	6.70	199%			
Aroclor-1016 Peak # 5	B	0	ND	0.21				
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	15.27	ND	1.7	168%	0.50		u
Aroclor-1260 Peak # 1	B	15.52	0.16	3.00	180%			
Aroclor-1260 Peak # 2	B	15.81	0.16	0.09	54%			
Aroclor-1260 Peak # 3	B	12.36	0.12	1.07	159%			
Aroclor-1260 Peak # 4	B	8.428	0.08	4.16	192%			
Aroclor-1260 Peak # 5	B	24.22	0.24	0.33	31%			
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	35.23	0.5000	0.3523	70	19-121	u
Decachlorobiphenyl (PCB)	B	24.82	0.5000	0.2482	50	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	49048438	6.83
1-bromo-2-nitrobenzene (PCB)	A	3177182	1881104	-40.79

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.83	0.00

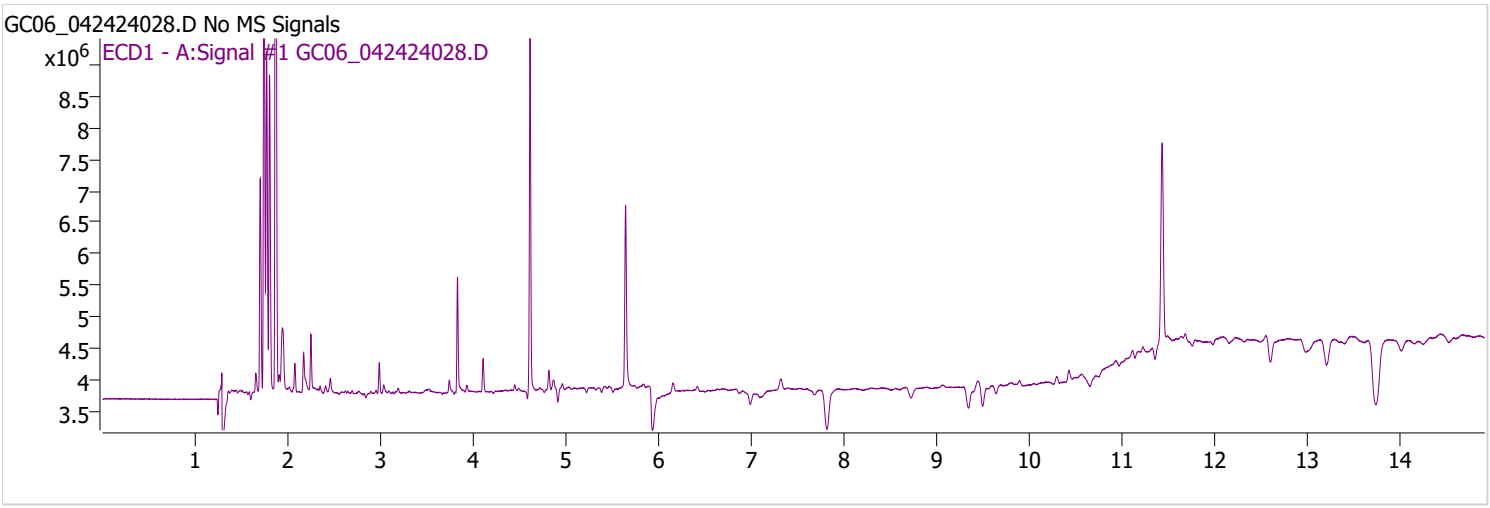
04/26/24 : WIPE/1dm3-10ML

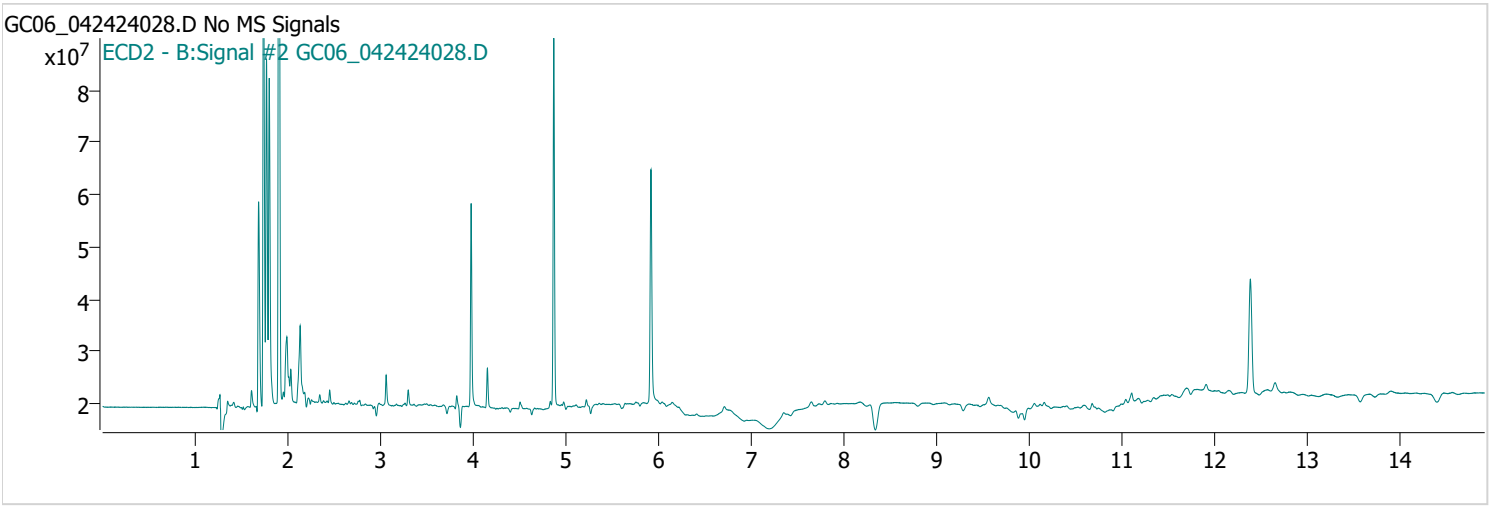
u=use x=false positive

Analyst: MES 04/26/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424028.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 4:55:02 PM
Sample Name	506868-006, 338600, 1	Instrument	SVOA-GC06
Vial	7	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



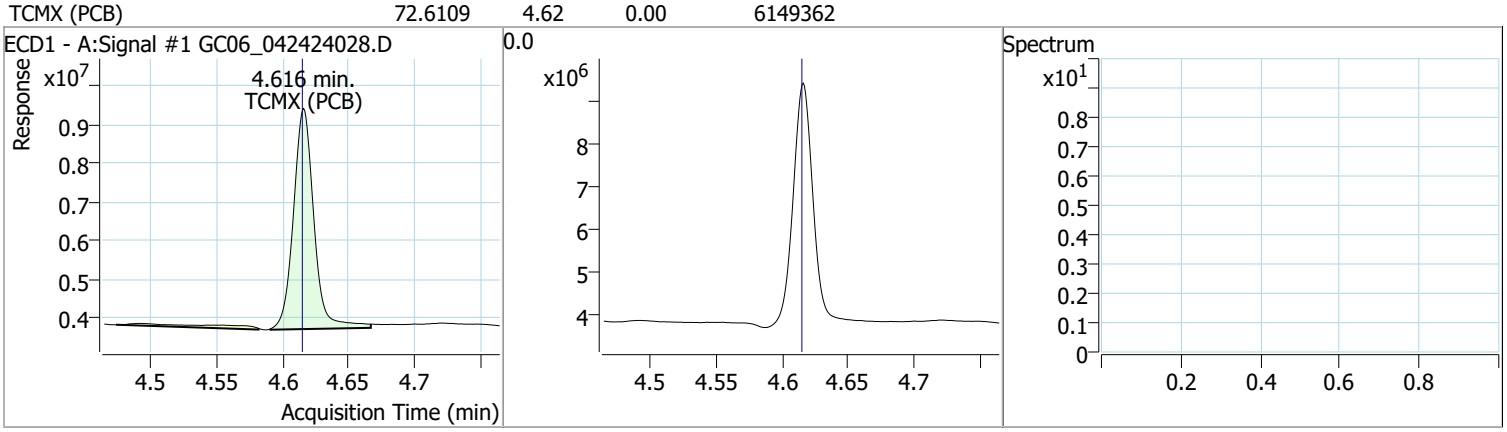


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.832	0.0	1881104.245	20.0000	ng/ml		-0.002
M 1-bromo-2-nitrobenzene (PCB) #2	3.979	0.0	49048438.144	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.616	0.0	6149361.762	72.6109	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 363.05%		*	
S TCMX (PCB) #2	4.872	0.0	74920128.967	35.2253	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 176.13%		*	
S Decachlorobiphenyl (PCB)	11.438	0.0	6696381.756	59.7982	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 298.99%		*	
S Decachlorobiphenyl (PCB) #2	12.391	0.0	49769940.577	24.8215	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 124.11%			
Target Compounds							QValue

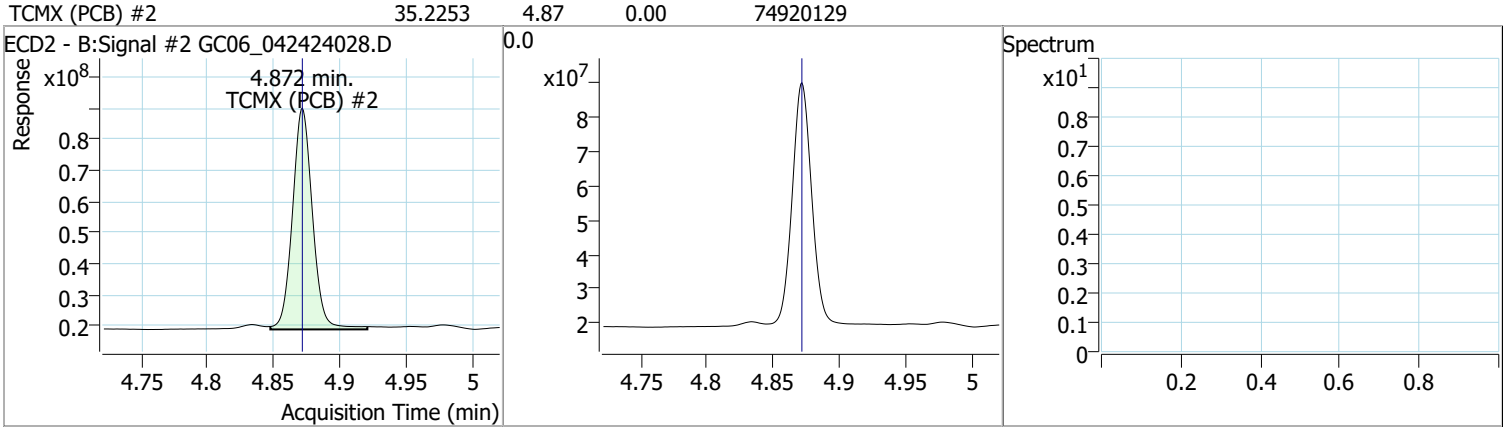
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.965	0.0	716516.343	354.3322	ng/ml	100
T AR1016 2	5.279	0.0	364326.059	93.5847	ng/ml	100
T AR1016 1 #2	5.363	0.0	8410599.389	185.5677	ng/ml	100
T AR1016 3	5.647	0.0	3914512.819	819.7518	ng/ml	100
T AR1016 2 #2	5.758	0.0	6838113.751	75.4146	ng/ml	100
T AR1016 4	5.837	0.0	2259234.428	670.1122	ng/ml	100
T AR1016 3 #2	6.152	0.0	8003891.407	63.7306	ng/ml	100
T AR1016 5	6.263	0.0	58329.831	20.6506	ng/ml	100
T AR1016 4 #2	6.308	0.0	86822.426	1.0458	ng/ml	100
T AR1016 5 #2	0.000		0	N.D.		
T AR1260 1	7.749	0.0	1726045.981	300.0220	ng/ml	100
T AR1260 2	8.293	0.0	79914.007	9.0799	ng/ml	100
T AR1260 3	8.908	0.0	991027.100	106.8374	ng/ml	100
T AR1260 1 #2	9.087	0.0	2130708.376	15.5205	ng/ml	100
T AR1260 2 #2	9.359	0.0	2639667.385	15.8065	ng/ml	100
T AR1260 4	9.448	0.0	2217697.102	415.6139	ng/ml	100
T AR1260 3 #2	9.929	0.0	2545163.577	12.3595	ng/ml	100
T AR1260 5	10.303	0.0	198155.466	33.2610	ng/ml	100
T AR1260 4 #2	10.408	0.0	1079244.385	8.4281	ng/ml	100
T AR1260 5 #2	11.047	0.0	4176276.879	24.2207	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

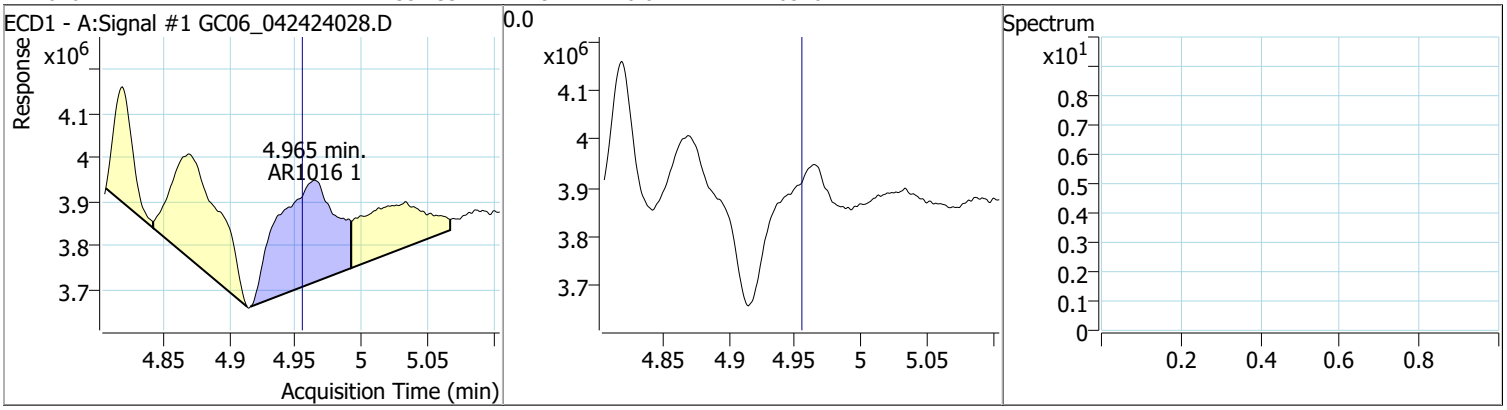
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	72.6109	4.62	0.00	6149362				



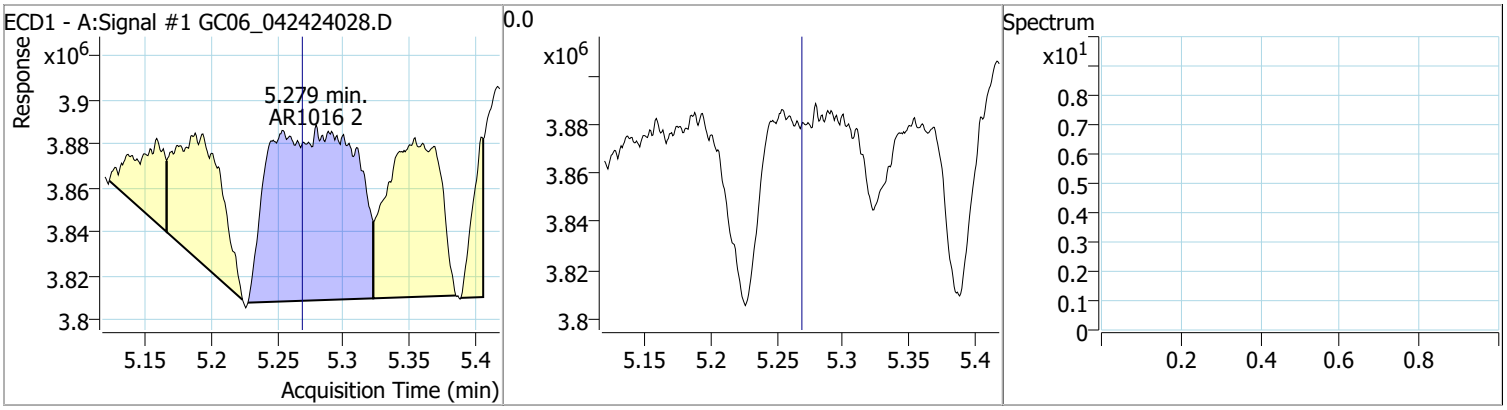
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.2253	4.87	0.00	74920129				



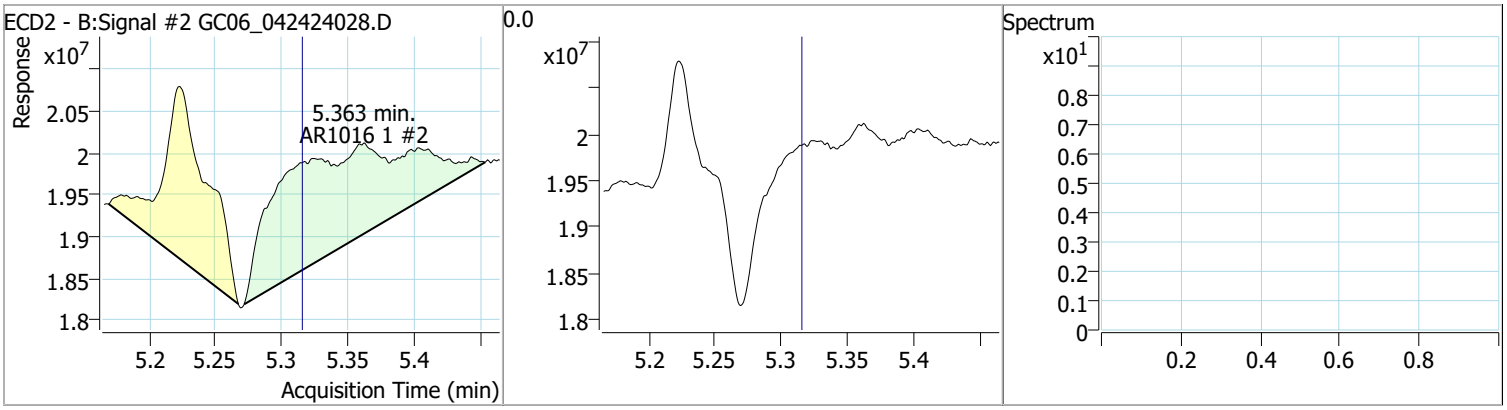
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	354.3322	4.97	0.01	716516				



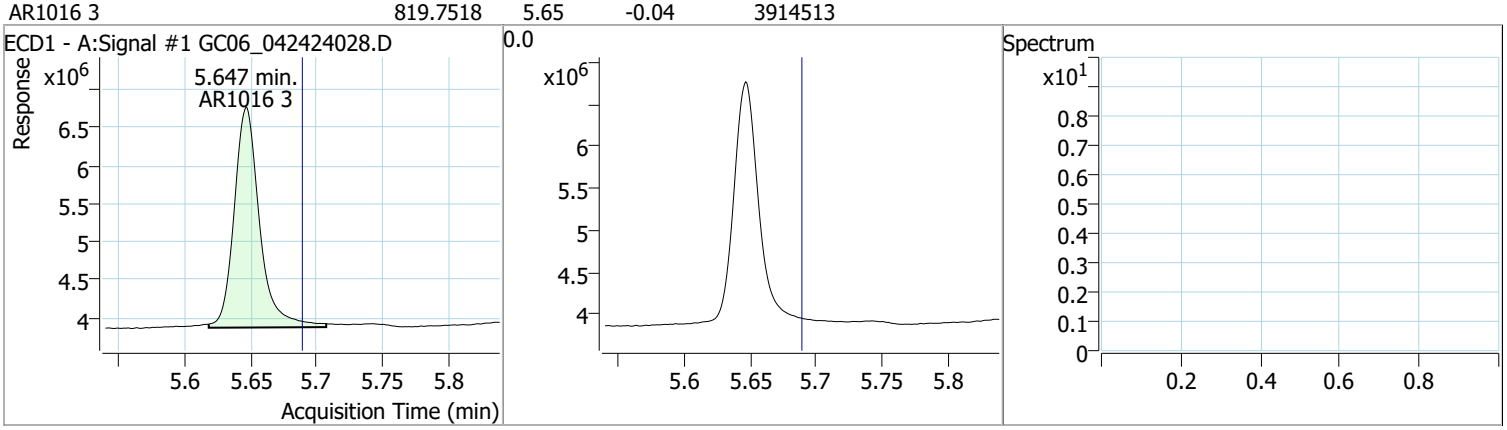
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	93.5847	5.28	0.01	364326				



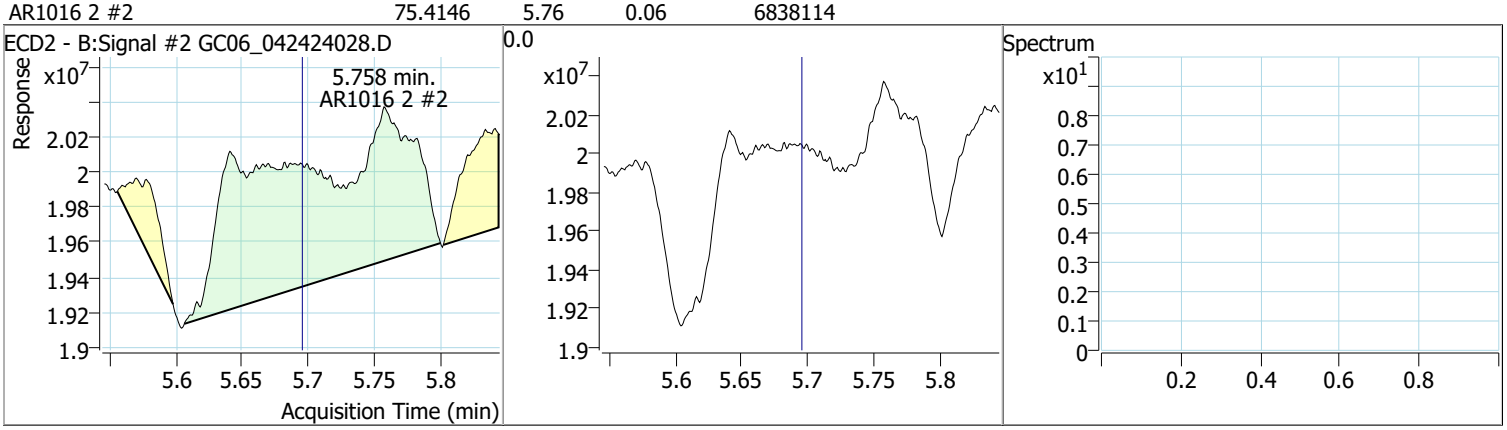
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	185.5677	5.36	0.05	8410599				



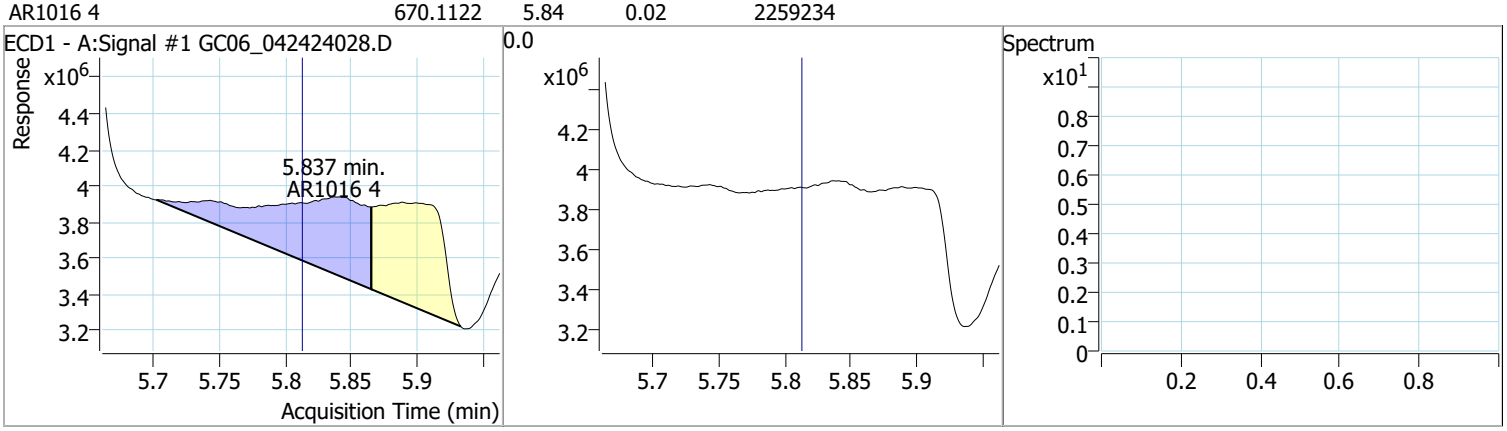
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	819.7518	5.65	-0.04	3914513				



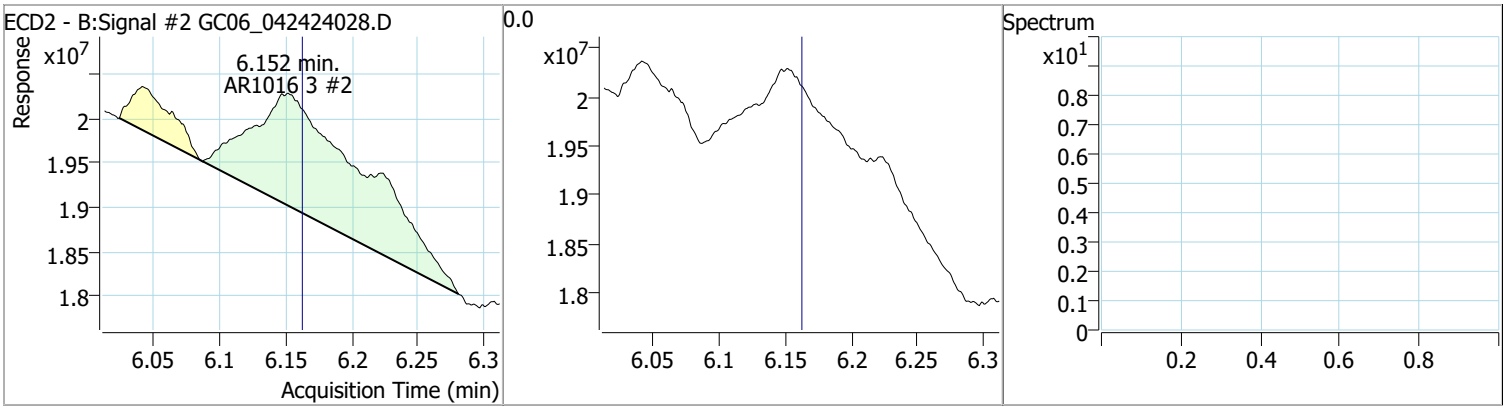
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	75.4146	5.76	0.06	6838114				



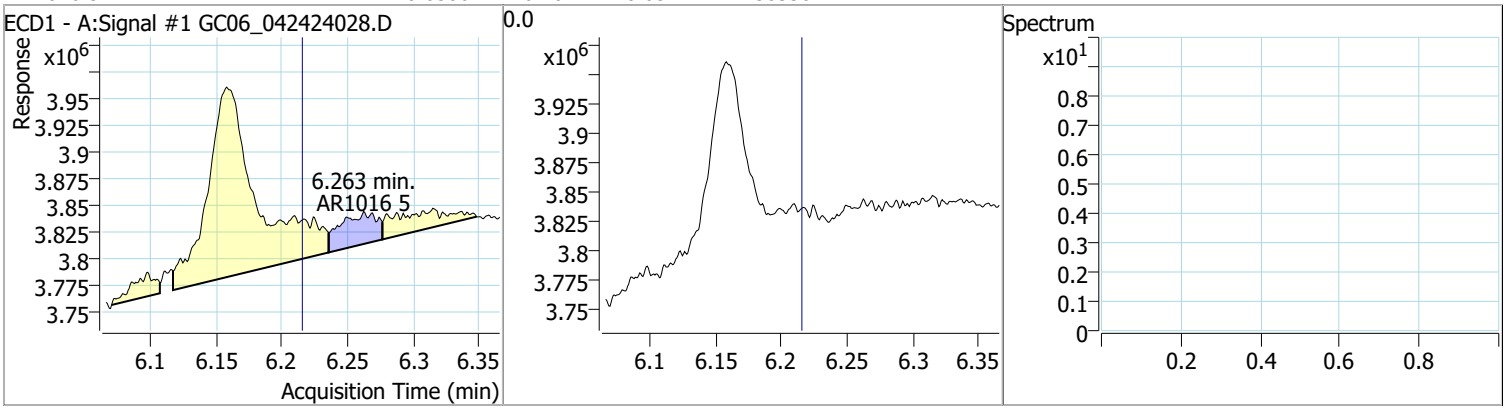
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	670.1122	5.84	0.02	2259234				



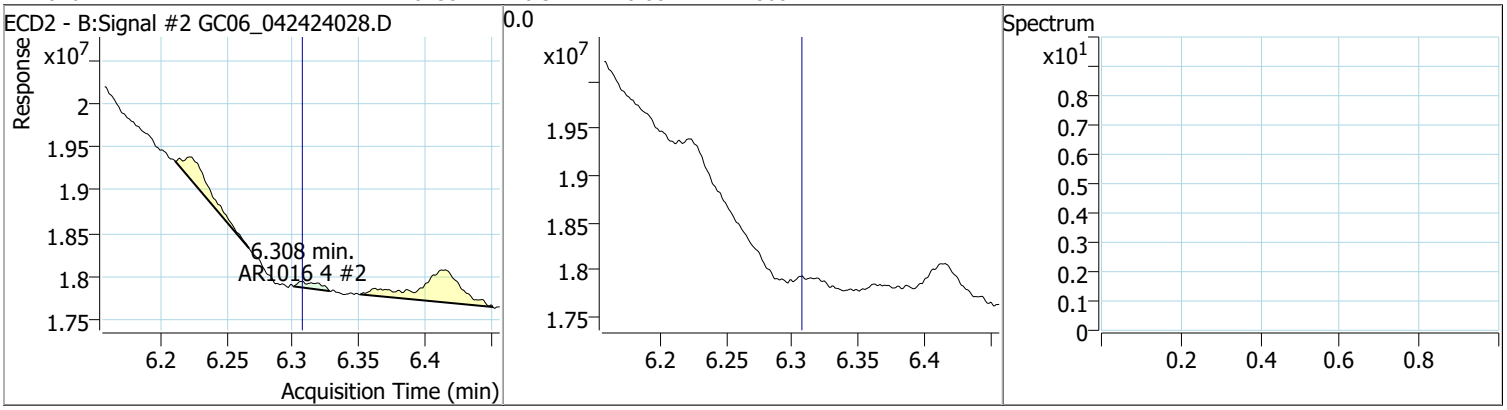
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	63.7306	6.15	-0.01	8003891				



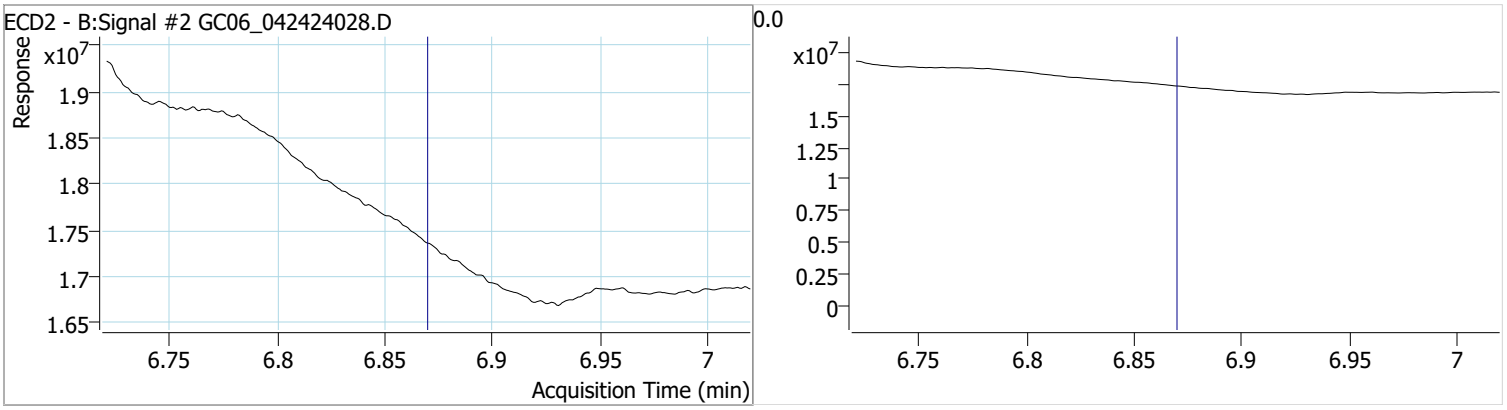
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	20.6506	6.26	0.05	58330				



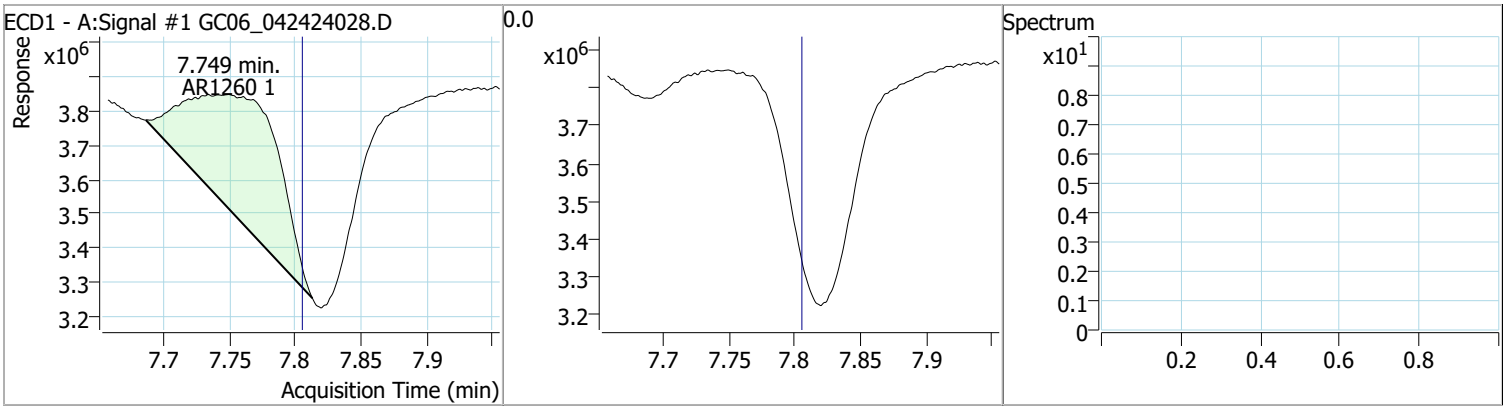
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.0458	6.31	0.00	86822				



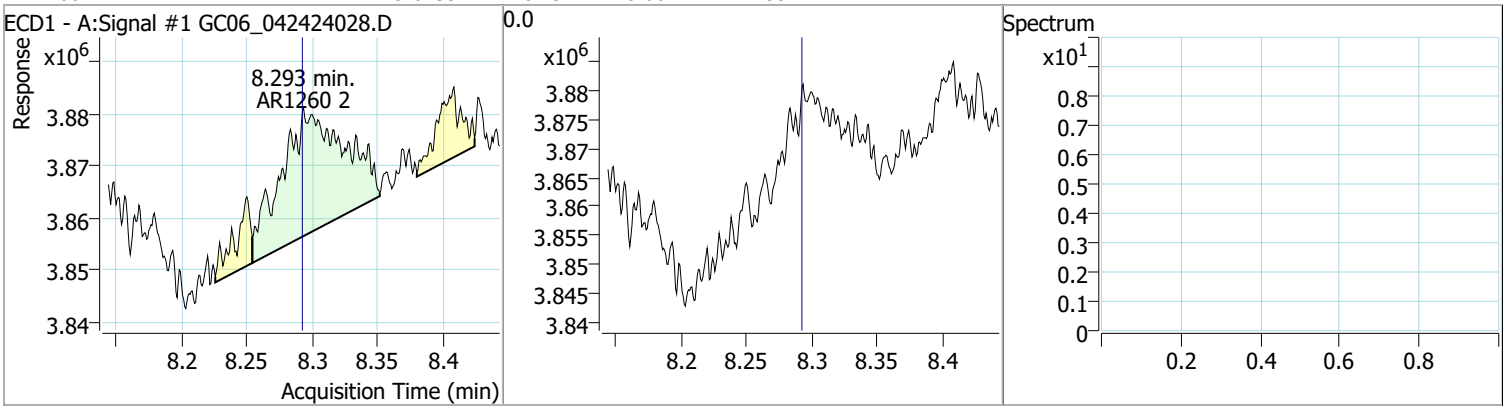
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 5 #2	N.D.	6.87		



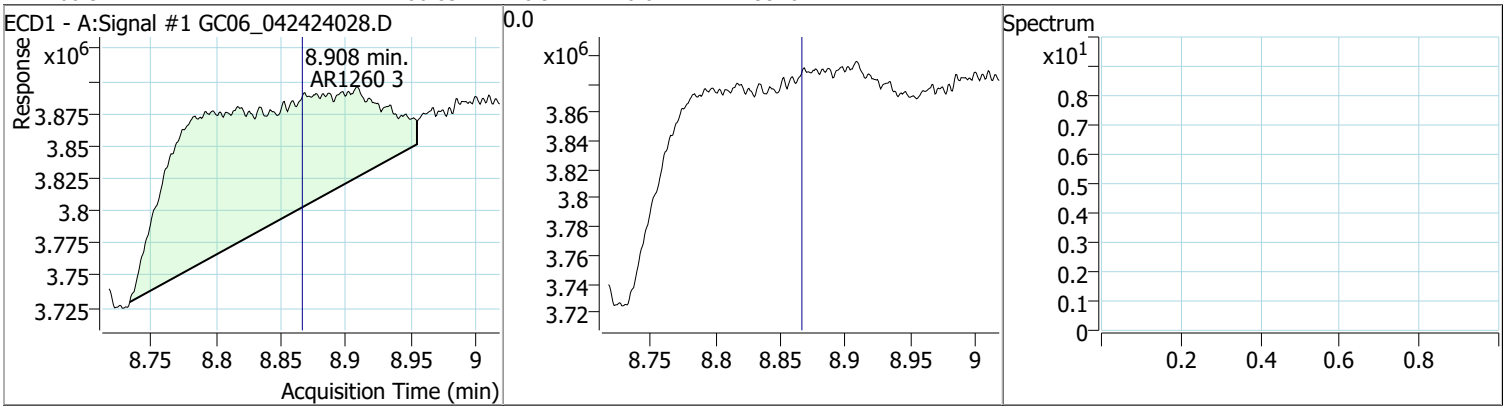
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	300.0220	7.75	-0.06	1726046				



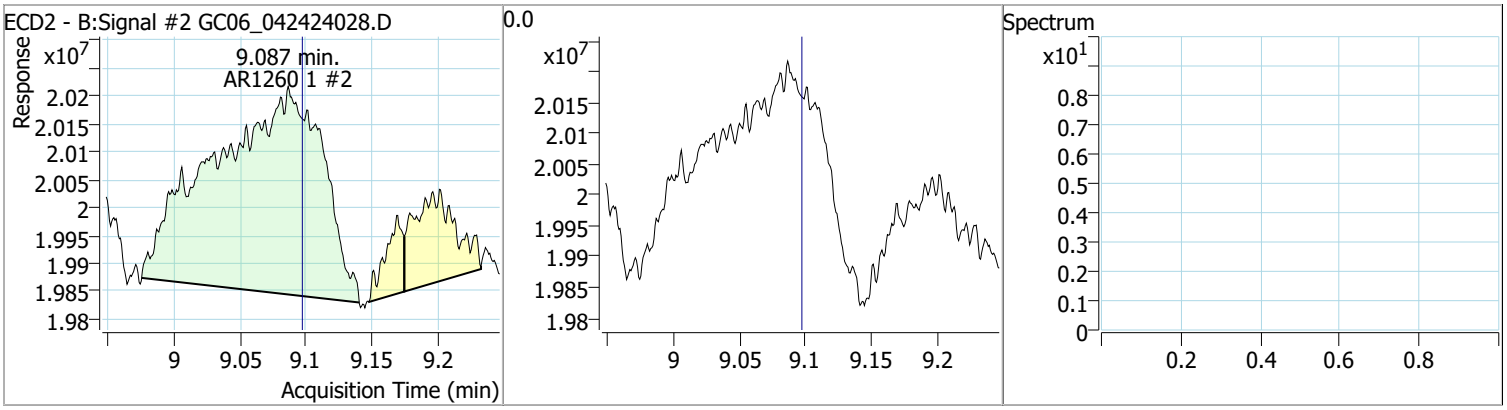
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	9.0799	8.29	0.00	79914				



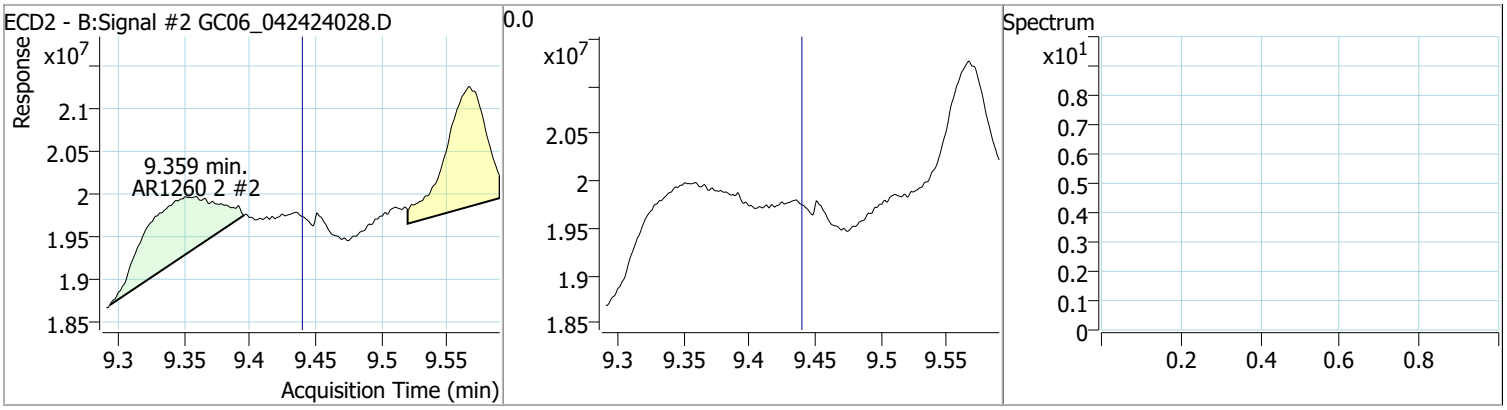
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	106.8374	8.91	0.04	991027				



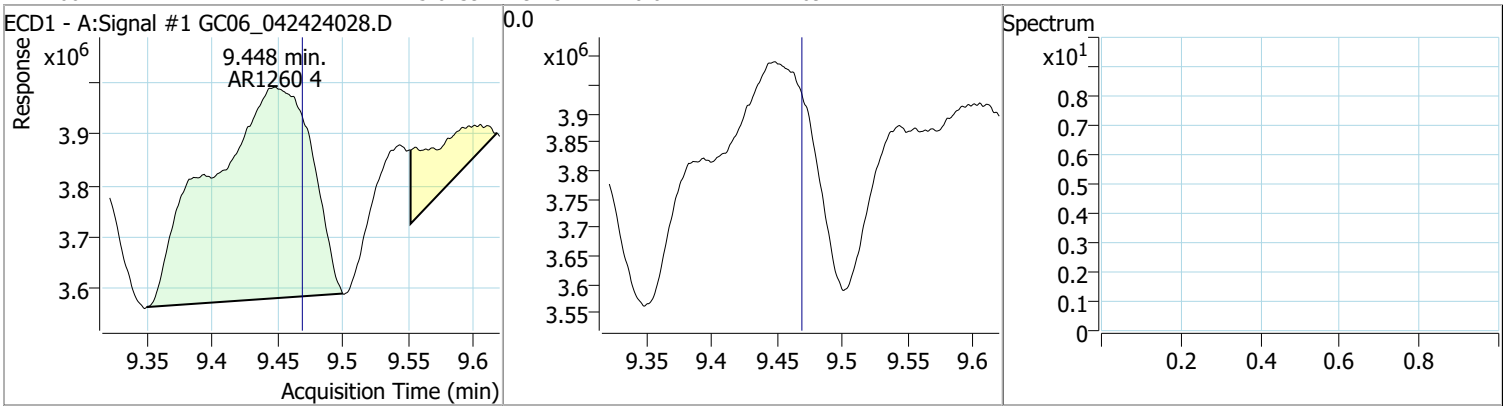
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	15.5205	9.09	-0.01	2130708				



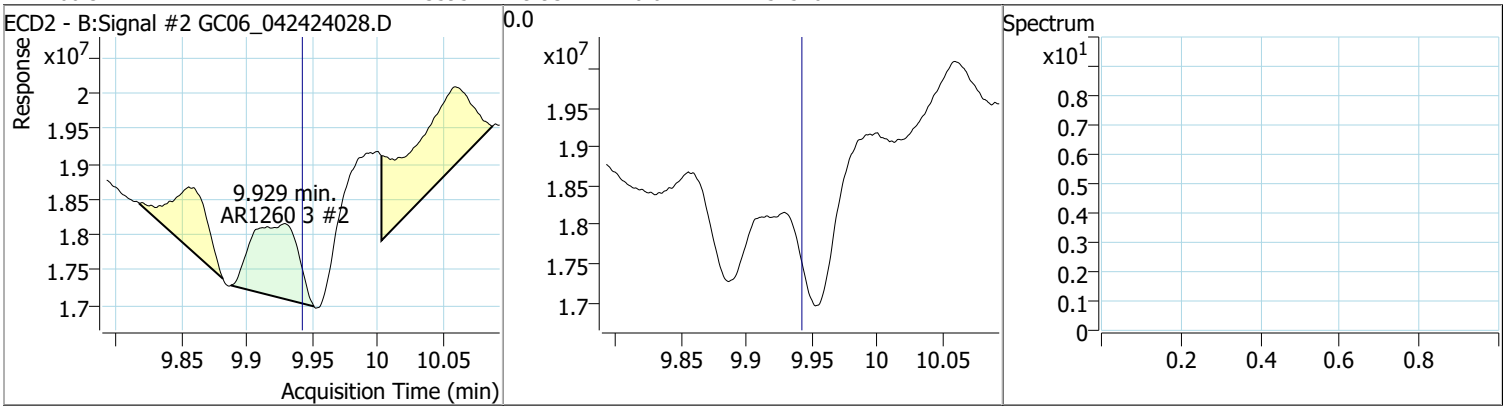
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	15.8065	9.36	-0.08	2639667				



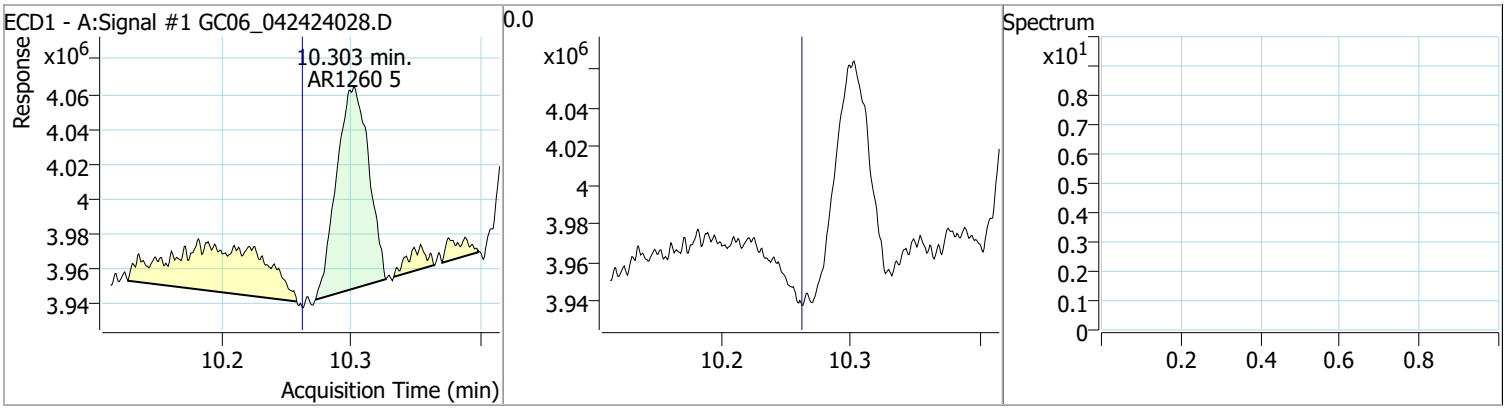
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	415.6139	9.45	-0.02	2217697				



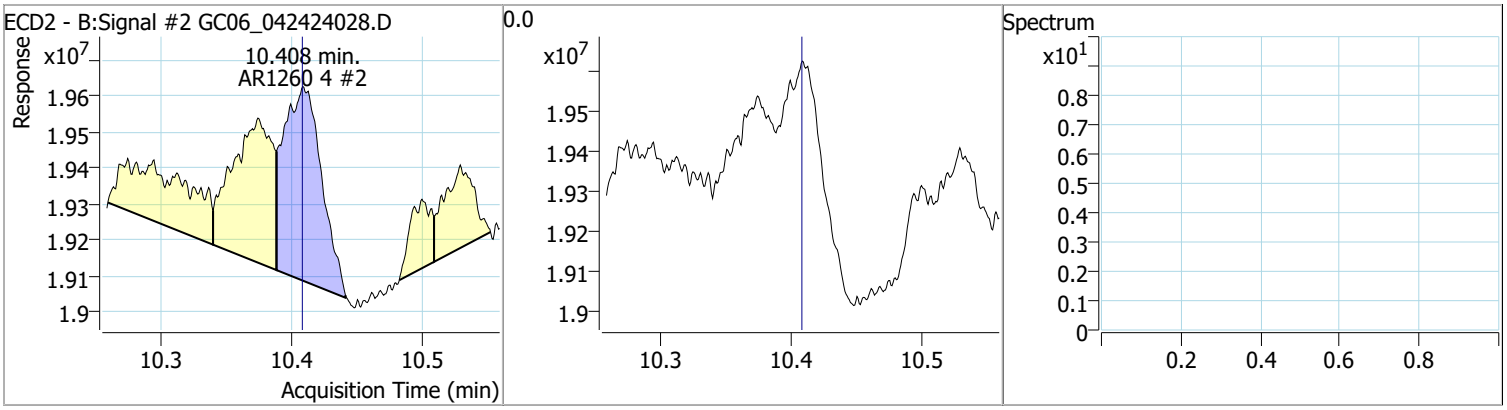
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	12.3595	9.93	-0.01	2545164				



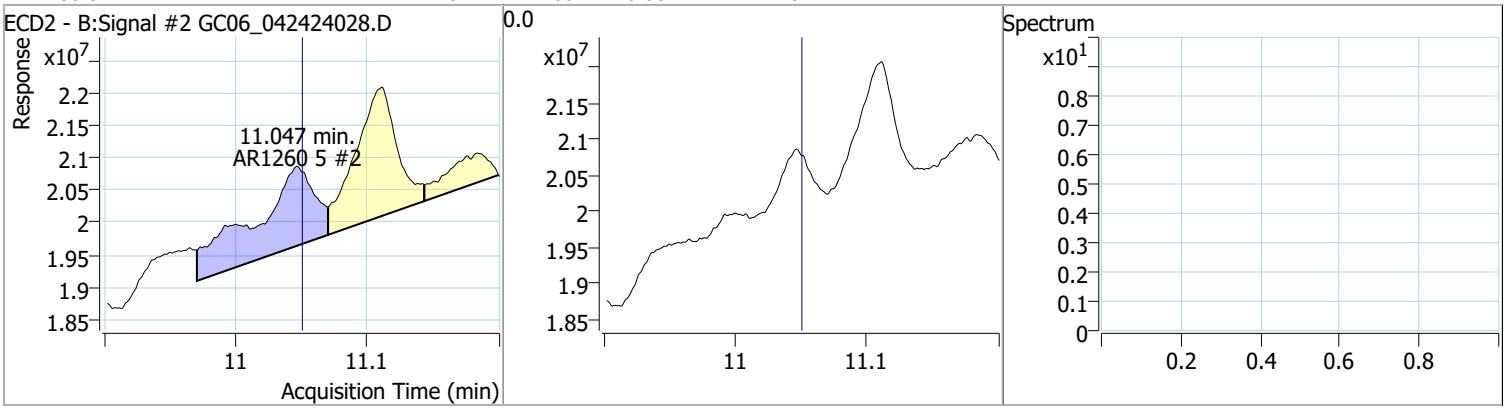
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	33.2610	10.30	0.04	198155				



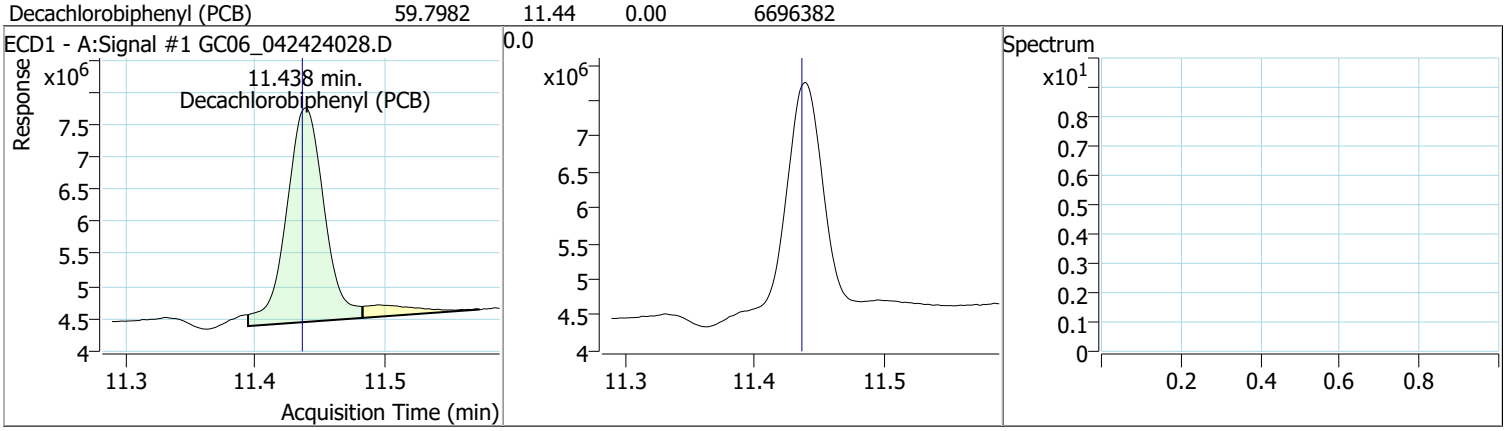
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.4281	10.41	0.00	1079244				



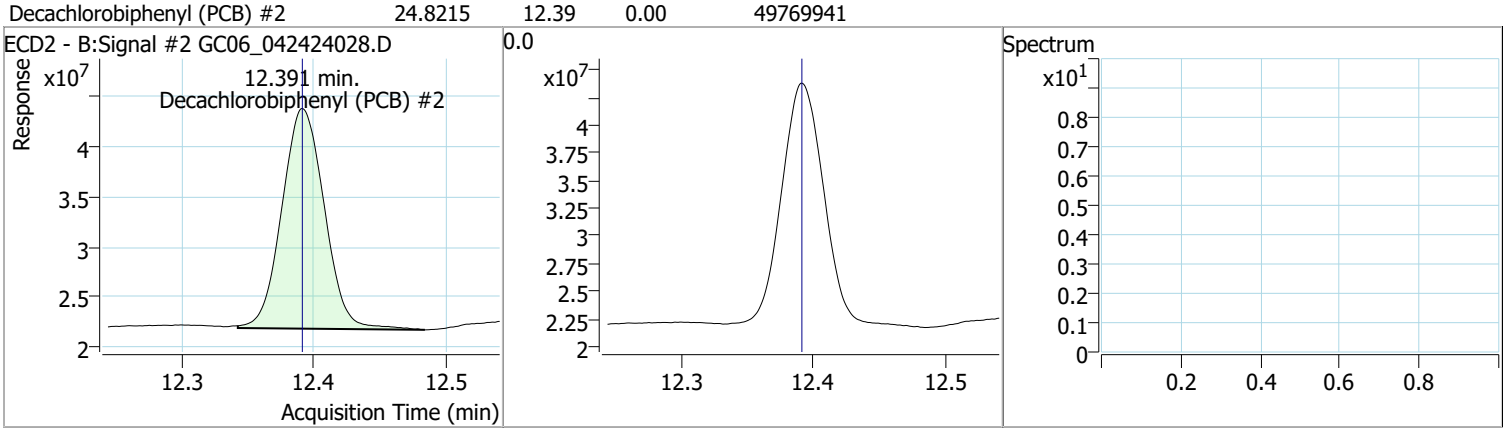
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	24.2207	11.05	0.00	4176277				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	59.7982	11.44	0.00	6696382				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	24.8215	12.39	0.00	49769941				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	506868-008	Client ID:	AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-P-LA
Seqnum:	454166111029	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_042424029	Batch:	338600	Time:	24-APR-2024 17:16
Cal:	454124679002	Caldate:	26-MAR-2024		
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	Blank	Flags
Aroclor-1016	B	27.67	ND	4.4	176%	0.50		u
Aroclor-1016 Peak # 1	B	23.42	0.23	2.05	159%			
Aroclor-1016 Peak # 2	B	26.33	0.26	0.47	57%			
Aroclor-1016 Peak # 3	B	50.27	0.50	6.14	170%			
Aroclor-1016 Peak # 4	B	1.168	0.01	12.86	200%			
Aroclor-1016 Peak # 5	B	37.13	0.37	0.50	30%			
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	22.02	ND	1.5	149%	0.50		u
Aroclor-1260 Peak # 1	B	22.72	0.23	1.91	158%			
Aroclor-1260 Peak # 2	B	39.56	0.40	0.05	155%			
Aroclor-1260 Peak # 3	B	12.42	0.12	0.99	155%			
Aroclor-1260 Peak # 4	B	12.07	0.12	3.75	188%			
Aroclor-1260 Peak # 5	B	23.34	0.23	0.87	116%			
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	33.74	0.5000	0.3374	67	19-121	u
Decachlorobiphenyl (PCB)	B	23.96	0.5000	0.2396	48	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	47258652	2.93
1-bromo-2-nitrobenzene (PCB)	A	3177182	1824620	-42.57

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.83	0.00

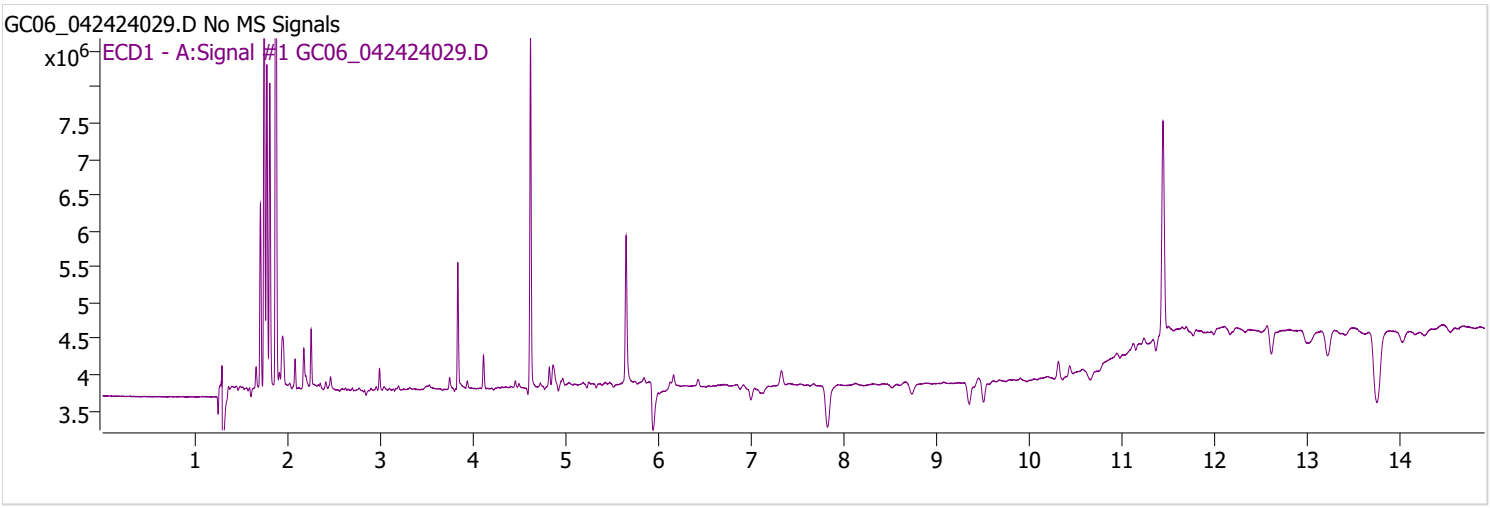
04/26/24 : WIPE/1dm3-10ML

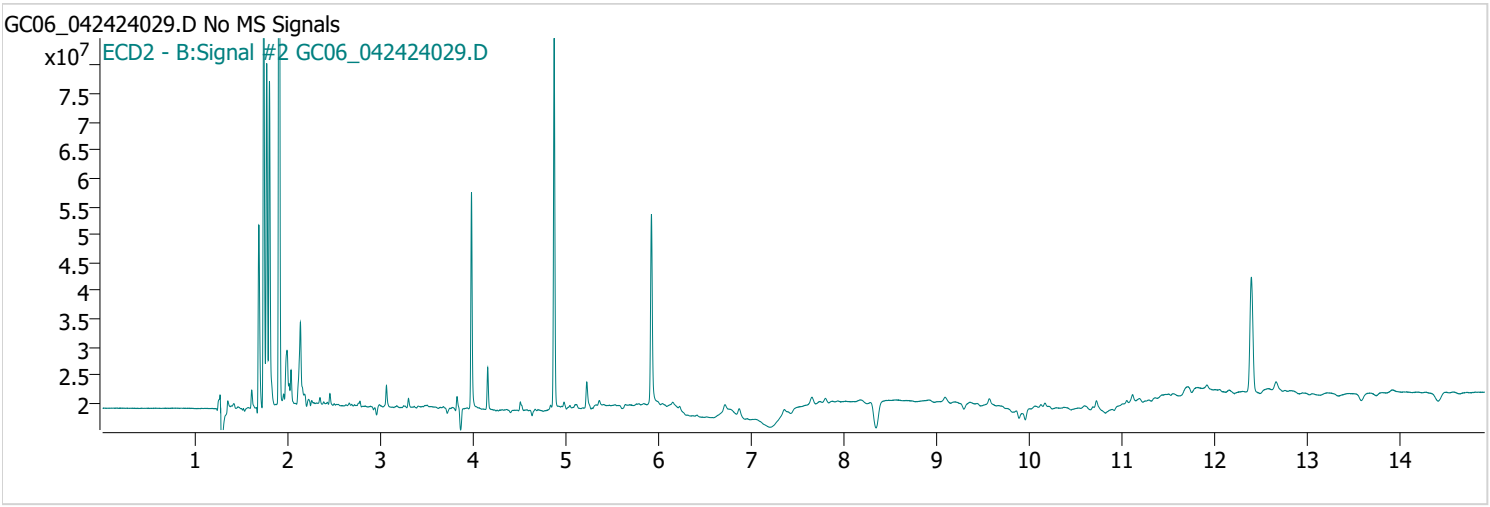
u=use

Analyst: MES 04/26/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424029.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 5:16:02 PM
Sample Name	506868-008, 338600, 1	Instrument	SVOA-GC06
Vial	8	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



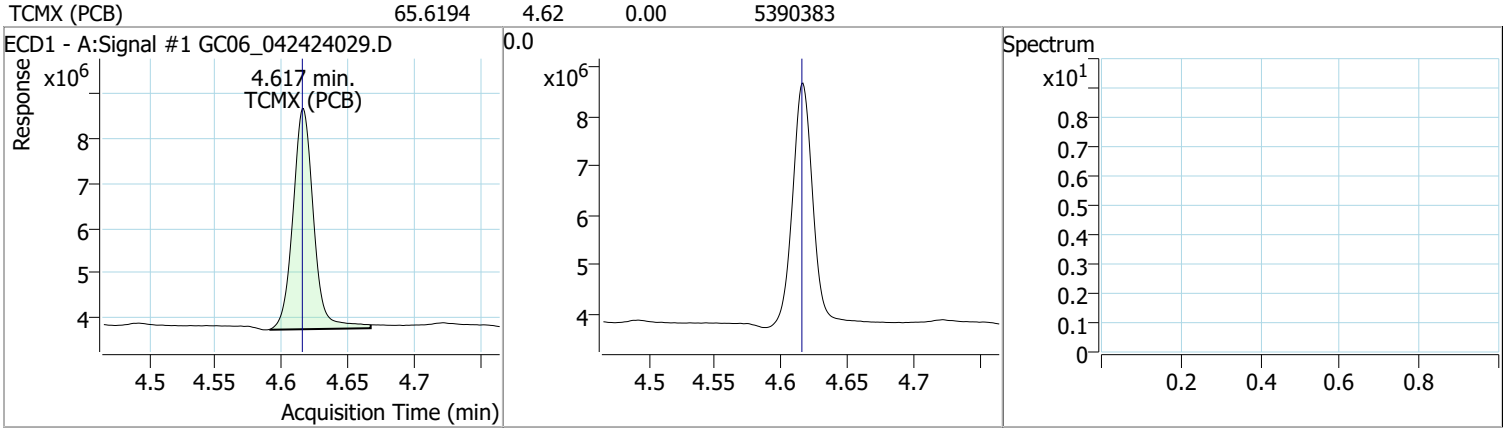


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.833	0.0	1824620.330	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.980	0.0	47258652.157	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.617	0.0	5390383.305	65.6194	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 328.10%		*	
S TCMX (PCB) #2	4.872	0.0	69149976.525	33.7436	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 168.72%		*	
S Decachlorobiphenyl (PCB)	11.438	0.0	6502432.057	59.8637	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 299.32%		*	
S Decachlorobiphenyl (PCB) #2	12.391	0.0	46287045.611	23.9588	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 119.79%			
Target Compounds							QValue

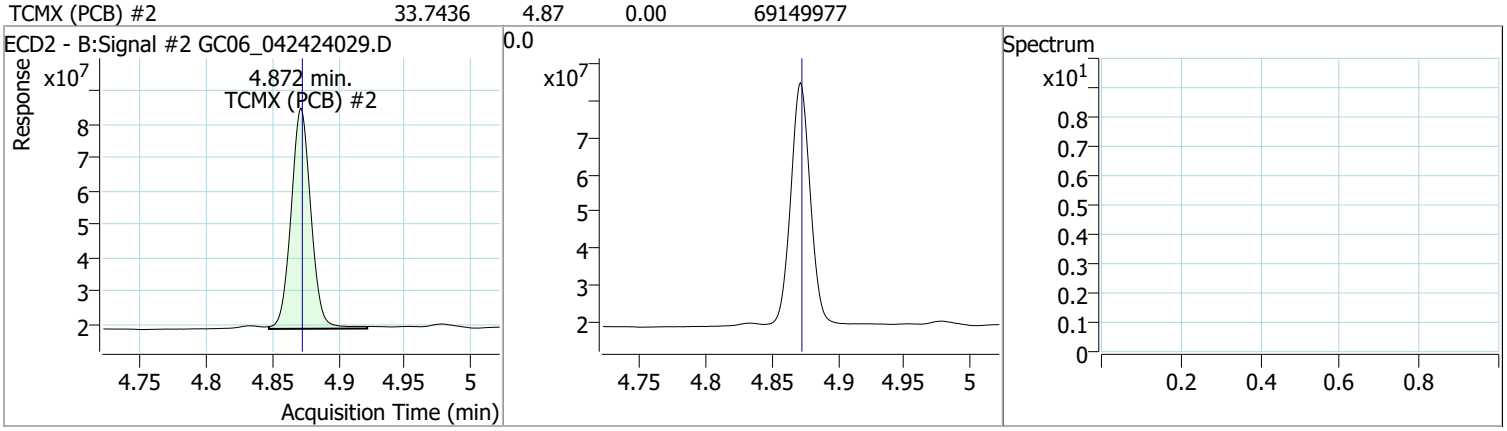
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.965	0.0	401672.115	204.7843	ng/ml	100
T AR1016 2	5.283	0.0	178312.337	47.2211	ng/ml	100
T AR1016 1 #2	5.323	0.0	1022943.941	23.4245	ng/ml	100
T AR1016 3	5.648	0.0	2845565.974	614.3469	ng/ml	100
T AR1016 2 #2	5.638	0.0	2300687.772	26.3342	ng/ml	100
T AR1016 4	5.841	0.0	4204434.865	1285.6839	ng/ml	100
T AR1016 3 #2	6.149	0.0	6083207.608	50.2717	ng/ml	100
T AR1016 5	6.209	0.0	137137.472	50.0539	ng/ml	100
T AR1016 4 #2	6.308	0.0	93403.850	1.1677	ng/ml	100
T AR1016 5 #2	6.867	0.0	2486269.352	37.1323	ng/ml	100
T AR1260 1	7.930	0.0	1068222.993	191.4269	ng/ml	100
T AR1260 2	8.308	0.0	43003.516	5.0374	ng/ml	100
T AR1260 3	8.887	0.0	888453.627	98.7445	ng/ml	100
T AR1260 1 #2	9.088	0.0	3005926.168	22.7250	ng/ml	100
T AR1260 2 #2	9.354	0.0	6365228.996	39.5590	ng/ml	100
T AR1260 4	9.449	0.0	1942762.824	375.3599	ng/ml	100
T AR1260 3 #2	9.915	0.0	2464930.459	12.4232	ng/ml	100
T AR1260 5	10.310	0.0	504459.259	87.2962	ng/ml	100
T AR1260 4 #2	10.369	0.0	1488787.437	12.0666	ng/ml	100
T AR1260 5 #2	11.109	0.0	3877351.861	23.3387	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

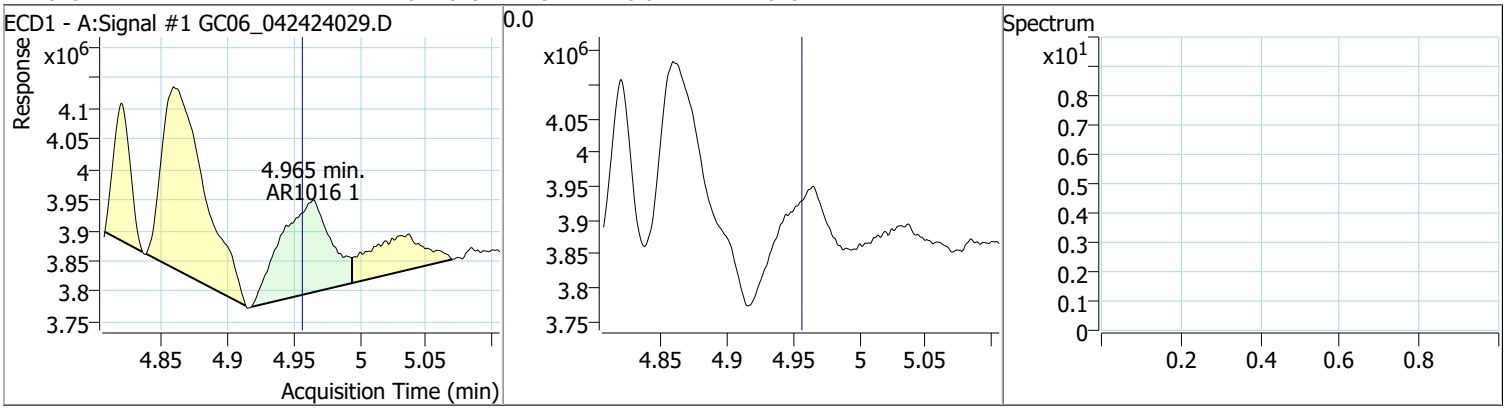
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	65.6194	4.62	0.00	5390383				



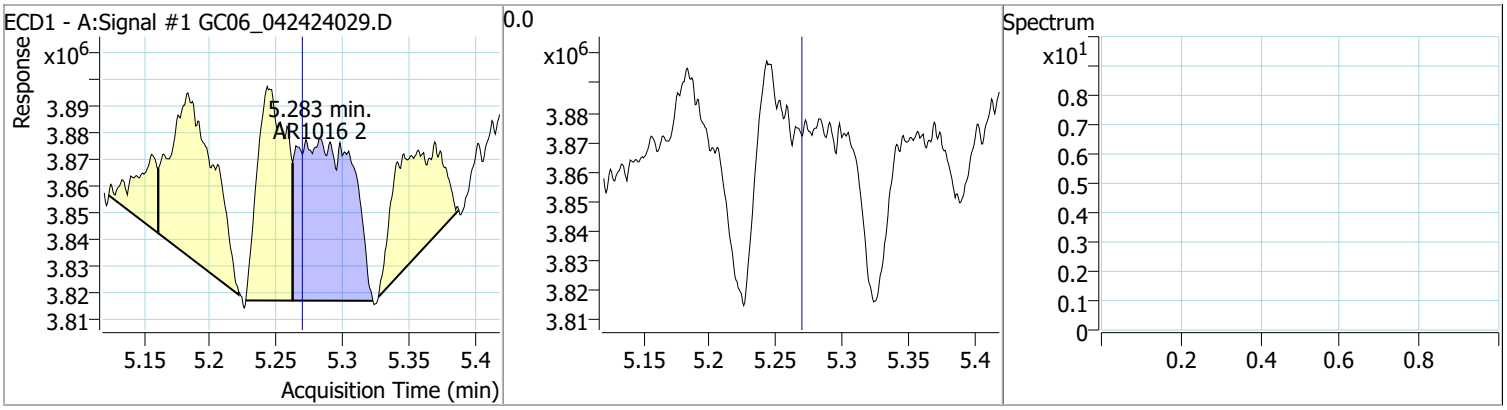
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	33.7436	4.87	0.00	69149977				



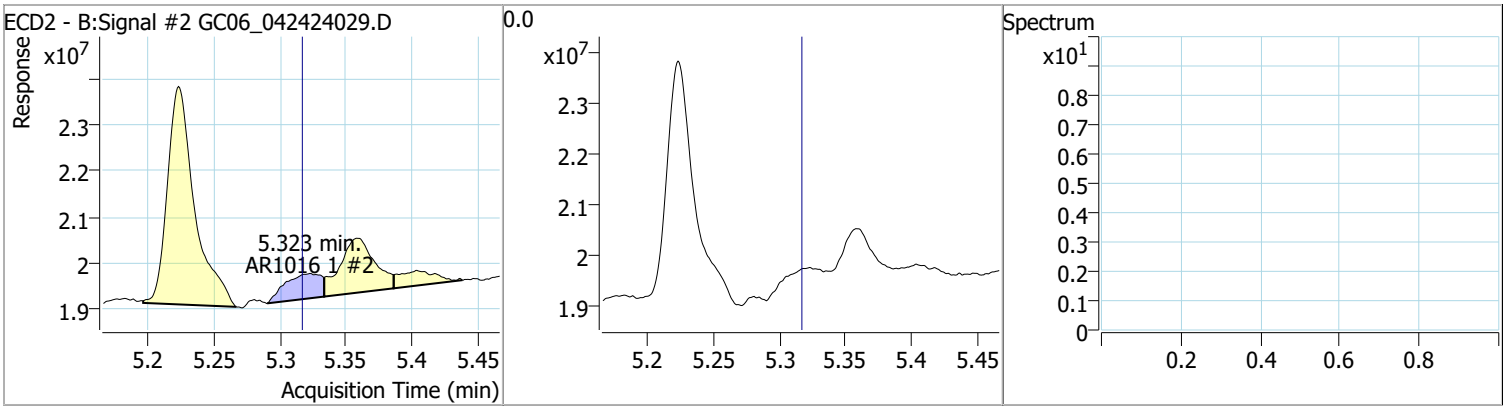
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	204.7843	4.97	0.01	401672				



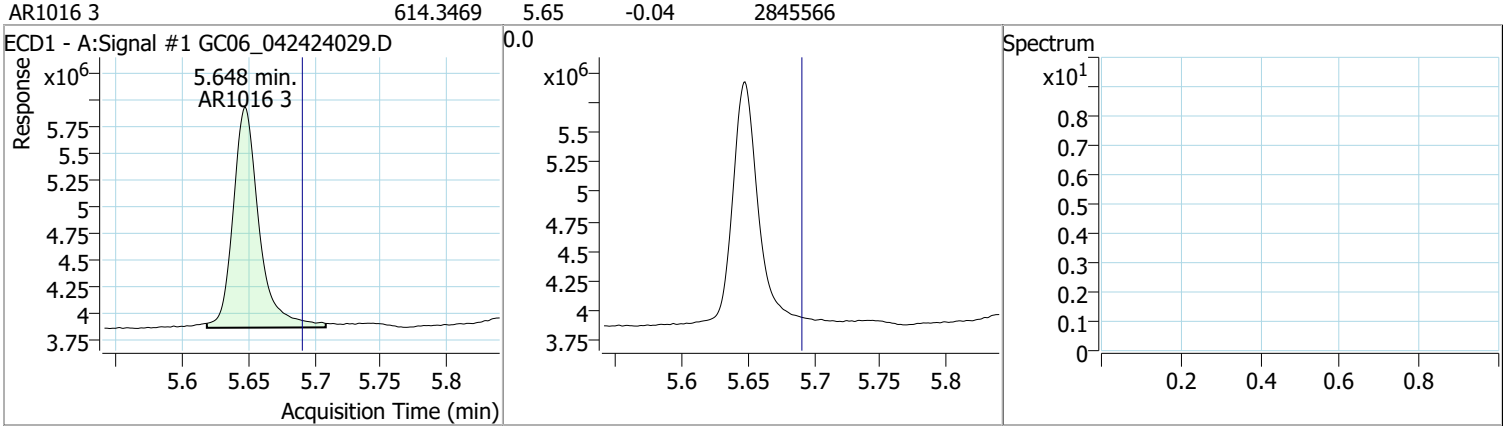
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	47.2211	5.28	0.01	178312				



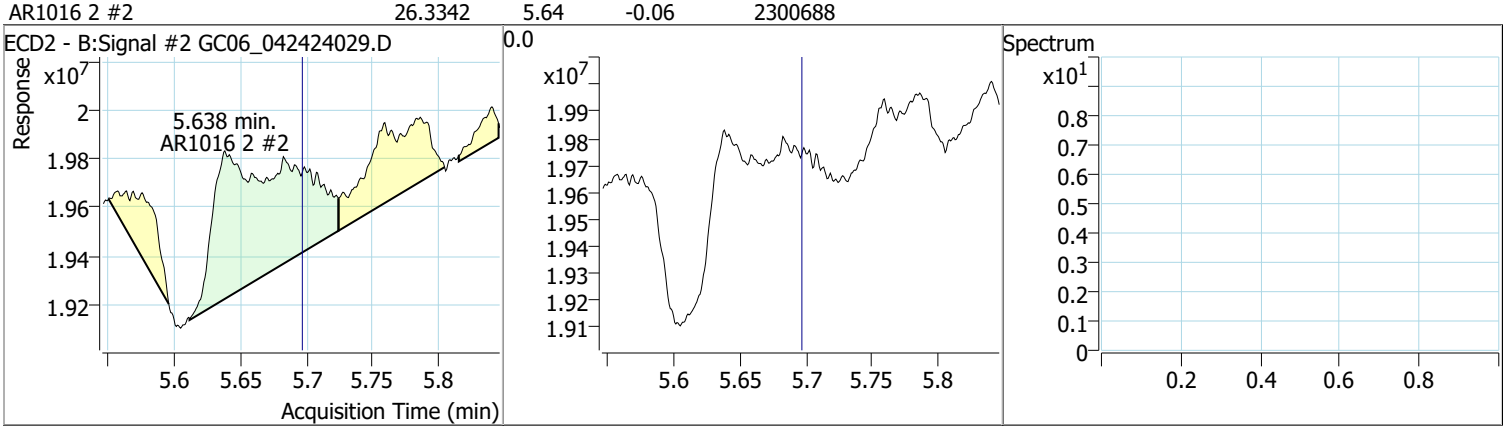
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	23.4245	5.32	0.01	1022944				



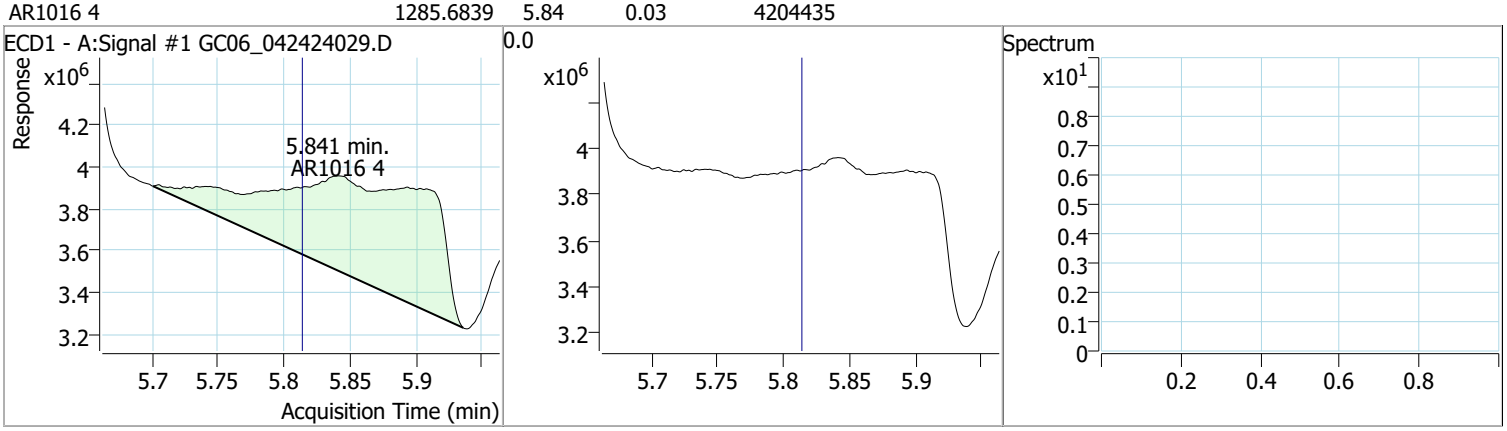
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	614.3469	5.65	-0.04	2845566				



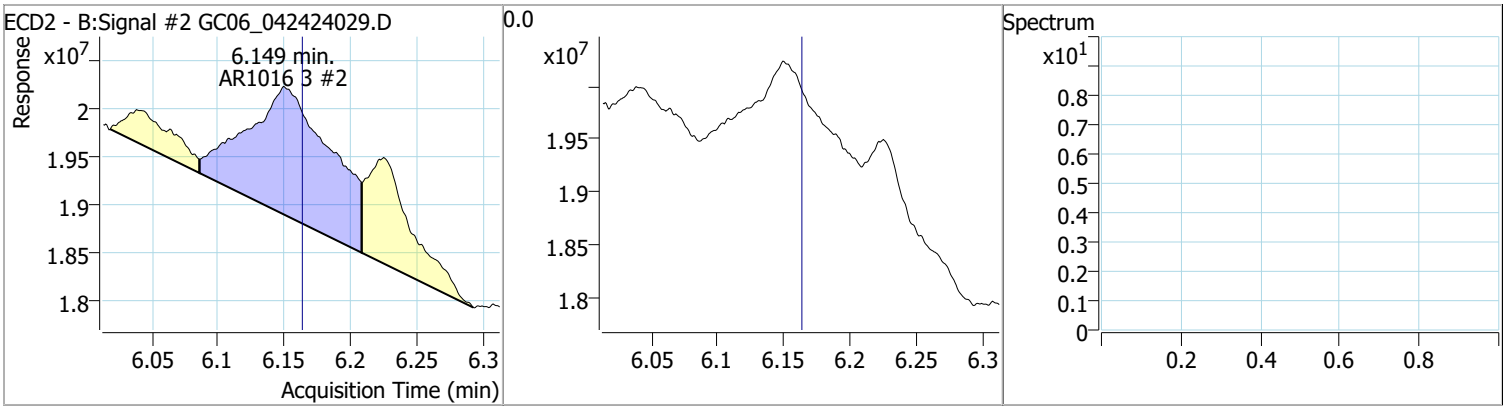
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	26.3342	5.64	-0.06	2300688				



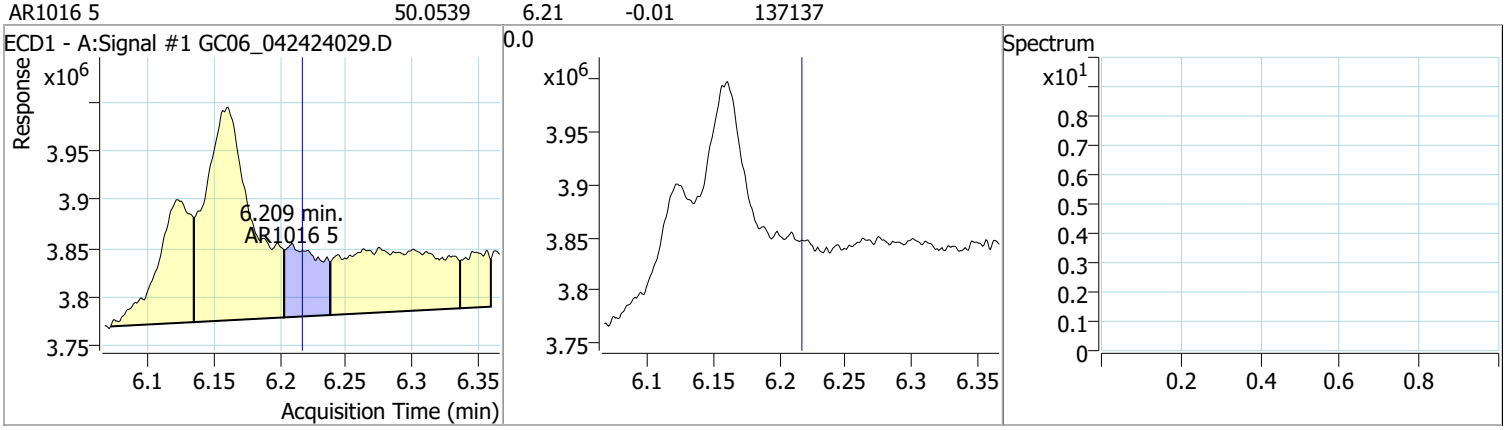
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1285.6839	5.84	0.03	4204435				



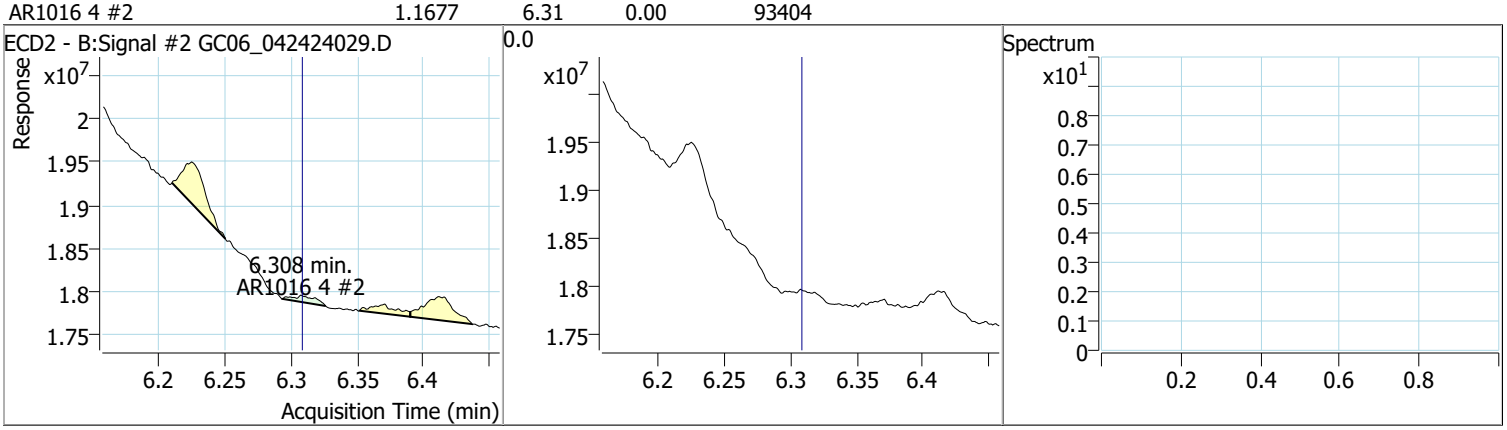
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	50.2717	6.15	-0.01	6083208				



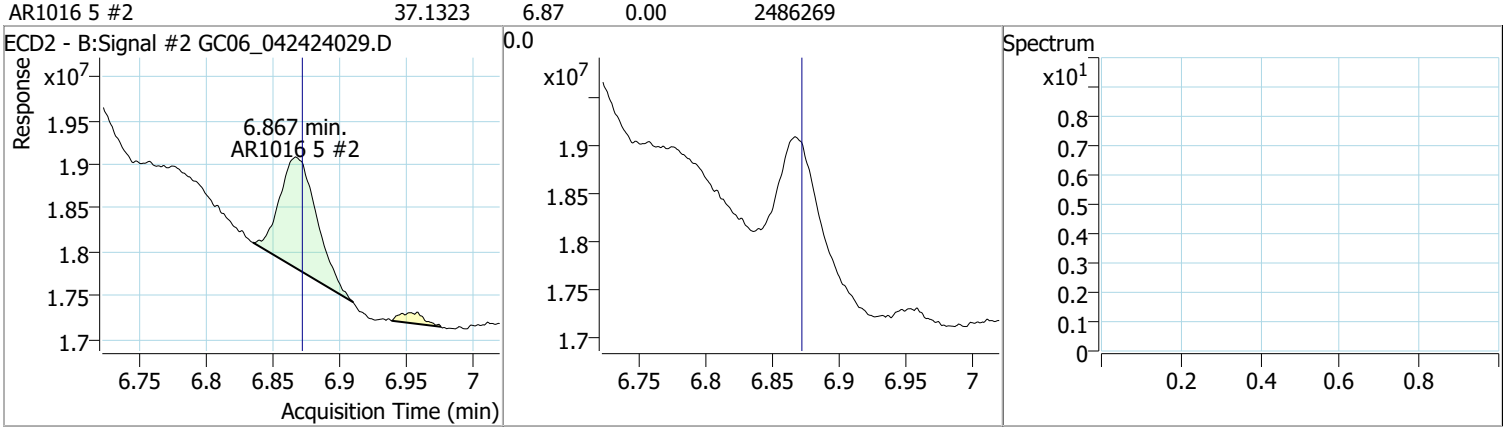
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	50.0539	6.21	-0.01	137137				



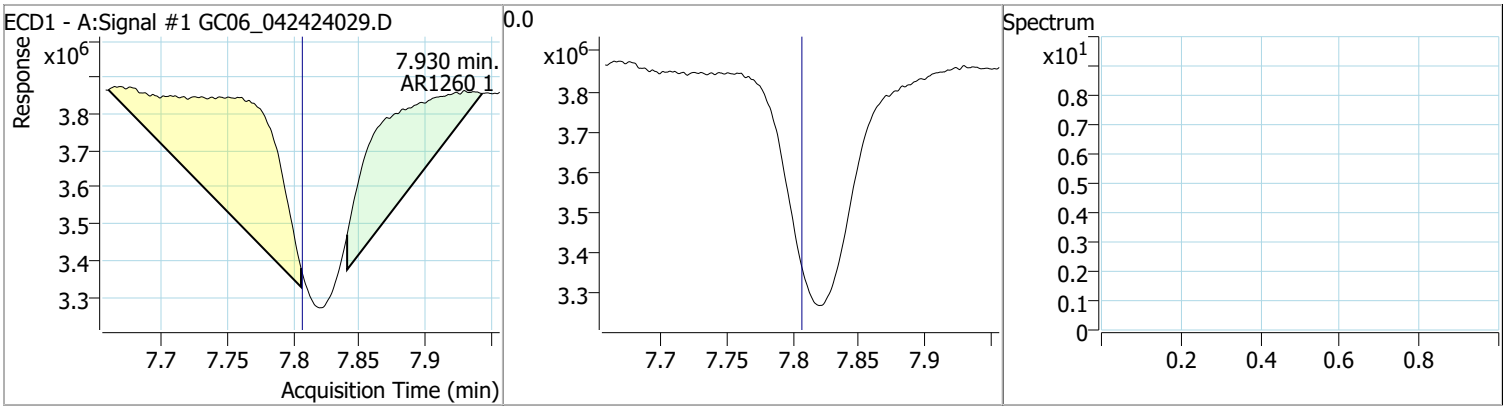
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1.1677	6.31	0.00	93404				



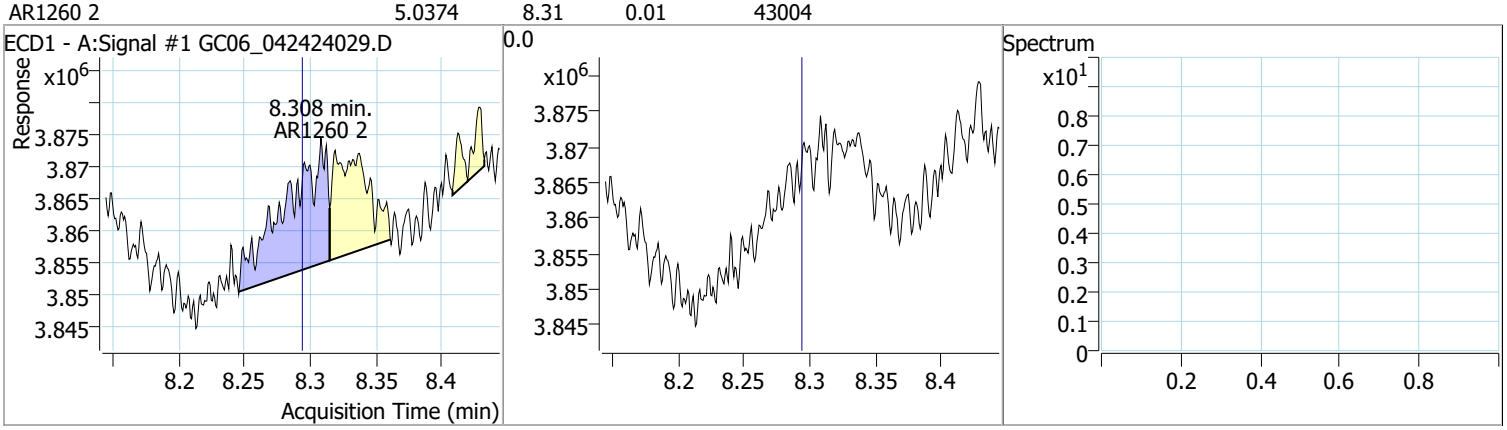
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	37.1323	6.87	0.00	2486269				



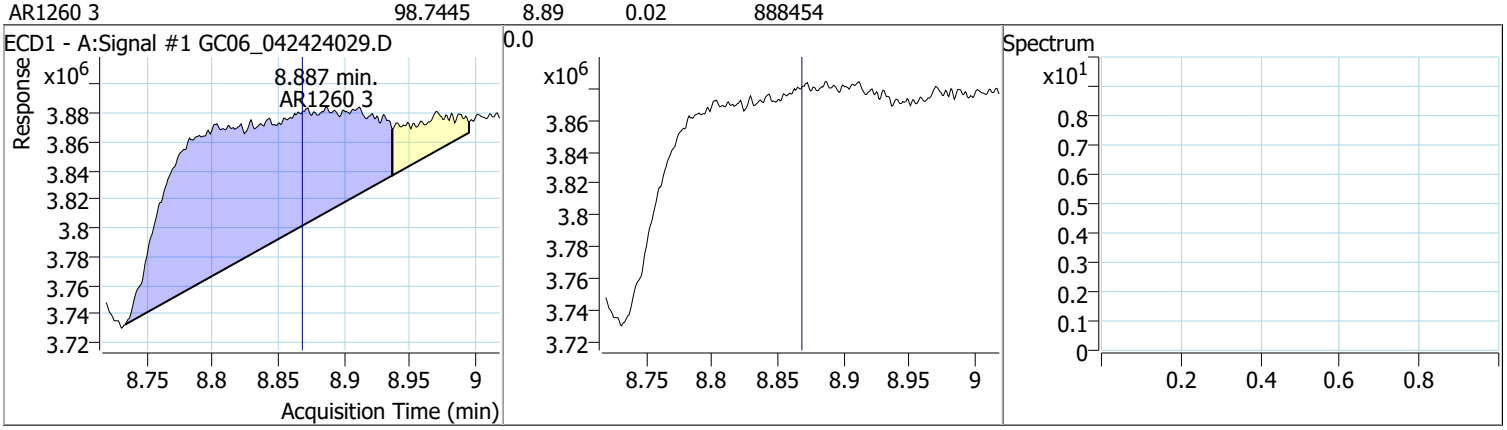
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	191.4269	7.93	0.12	1068223				



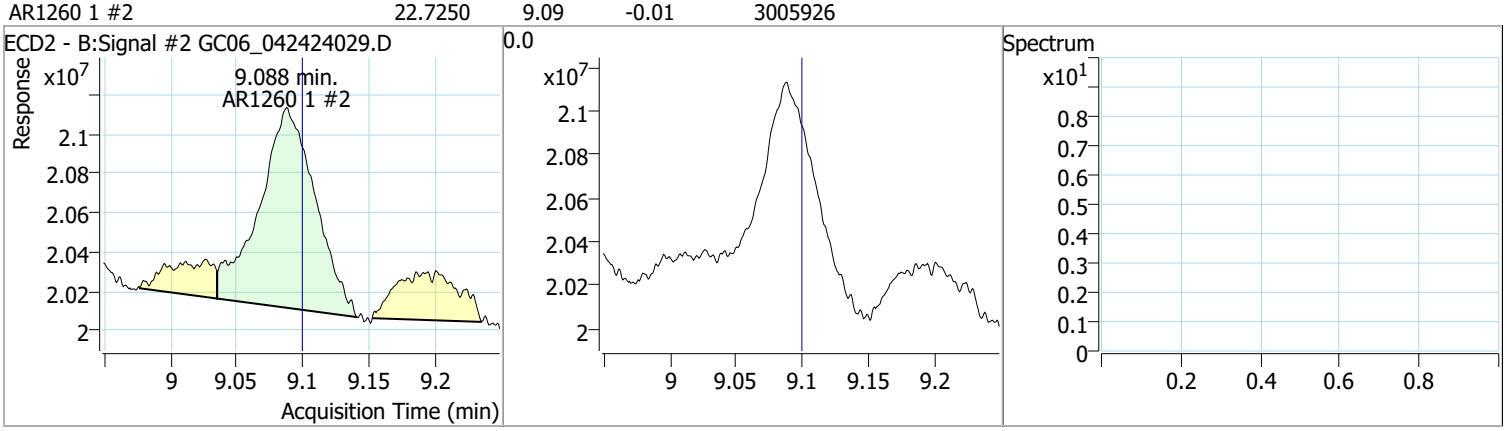
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	5.0374	8.31	0.01	43004				



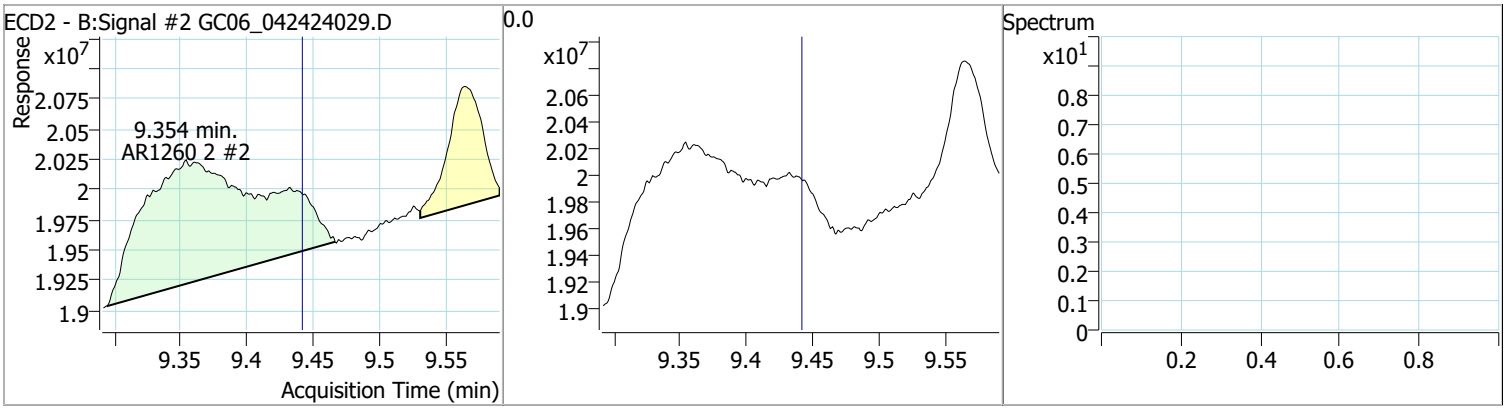
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	98.7445	8.89	0.02	888454				



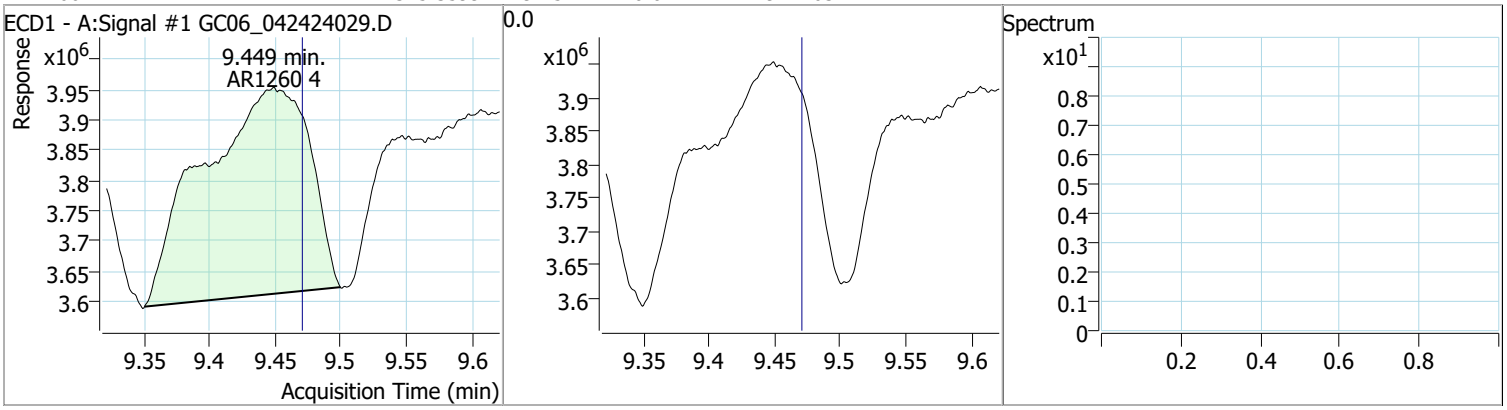
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	22.7250	9.09	-0.01	3005926				



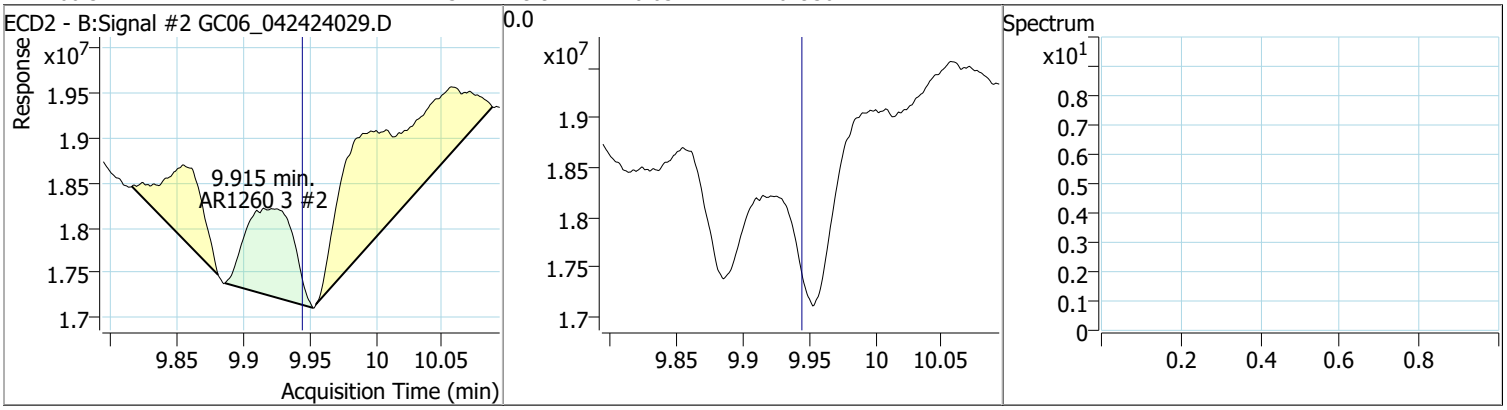
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	39.5590	9.35	-0.09	6365229				



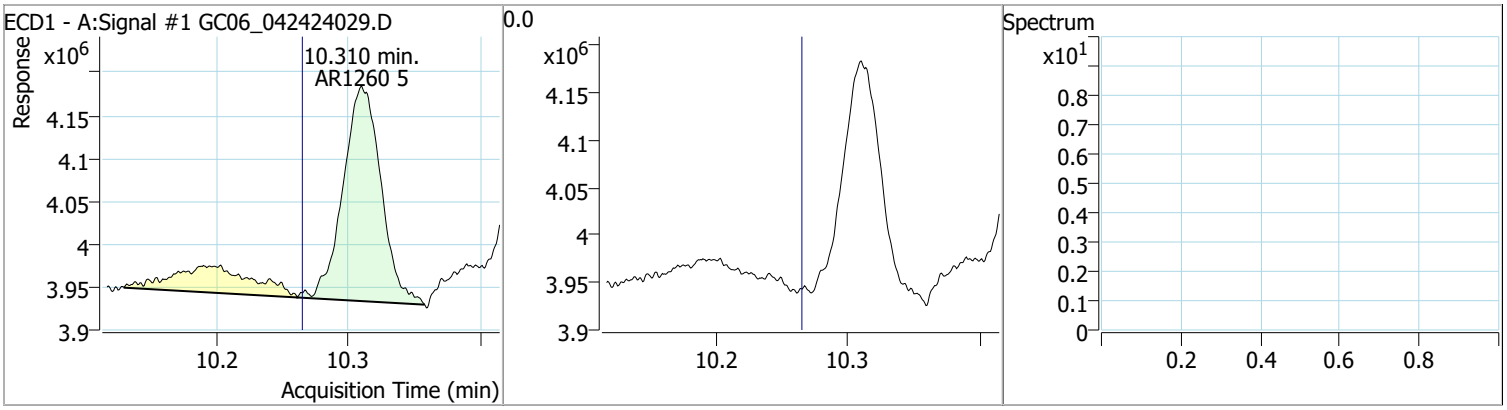
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	375.3599	9.45	-0.02	1942763				



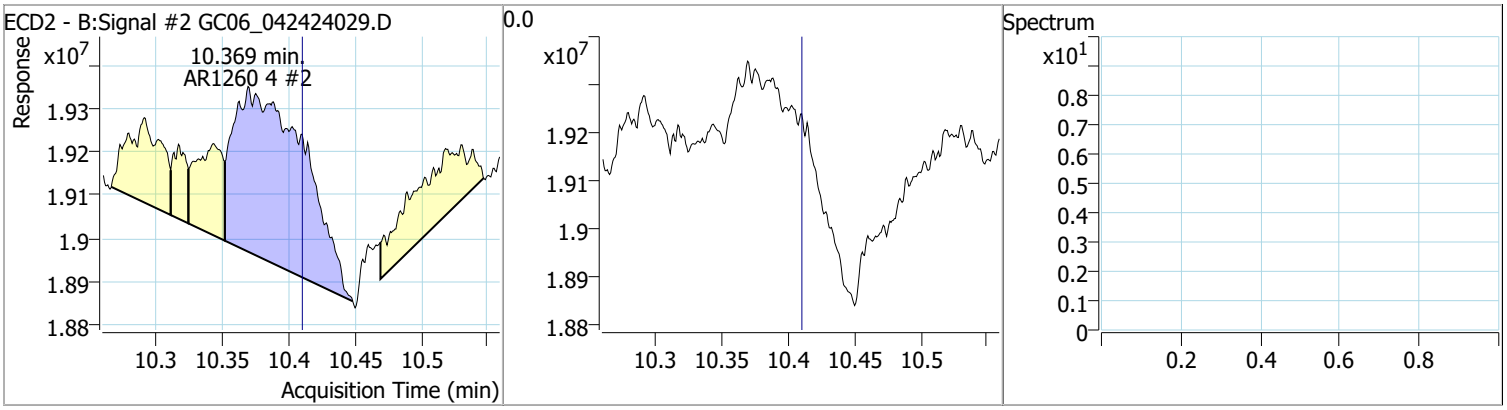
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	12.4232	9.92	-0.03	2464930				



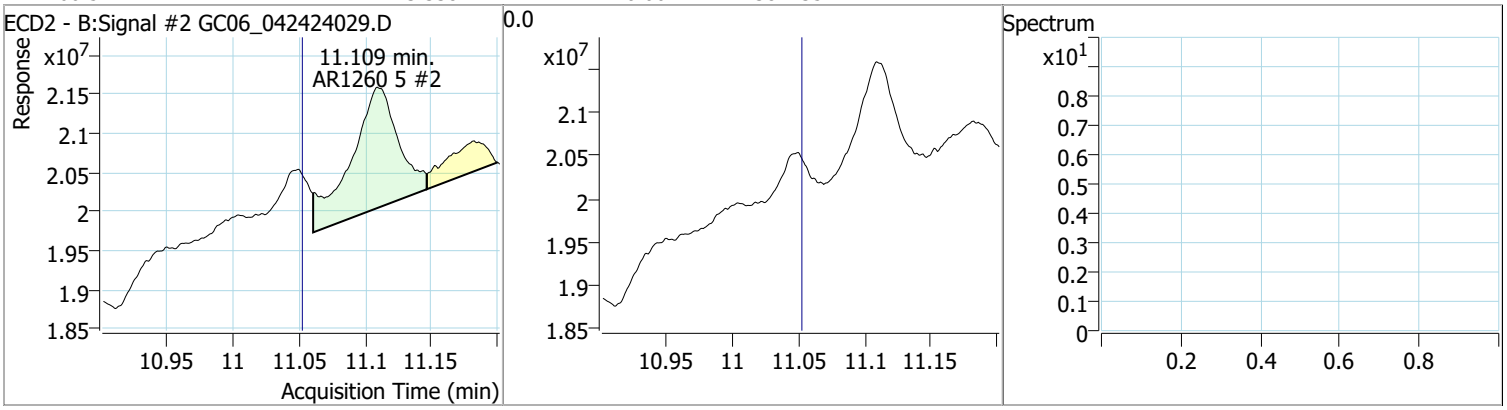
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	87.2962	10.31	0.04	504459				



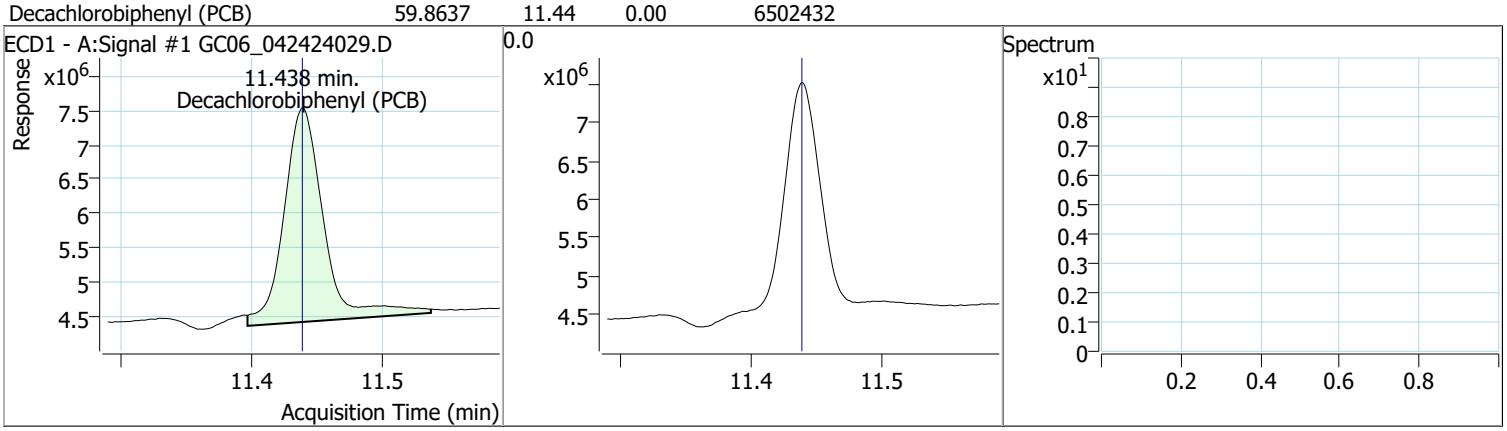
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	12.0666	10.37	-0.04	1488787				



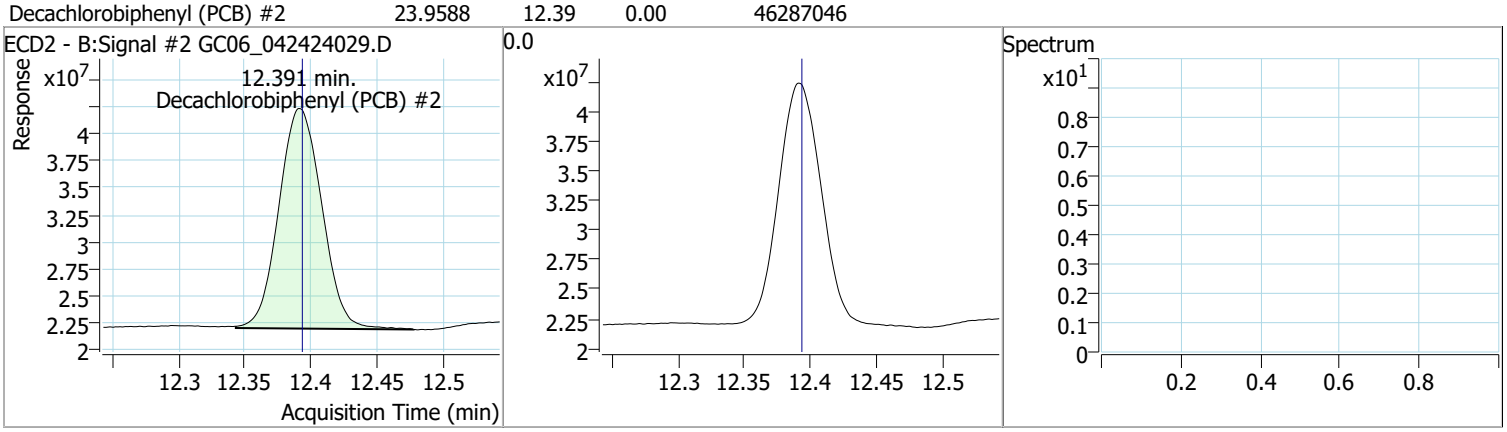
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.3387	11.11	0.06	3877352				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	59.8637	11.44	0.00	6502432				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.9588	12.39	0.00	46287046				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	506868-010	Client ID:	AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-P-WF
Seqnum:	454166111030	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_042424030	Batch:	338600	Time:	24-APR-2024 17:37
Cal:	454124679002	Caldate:	26-MAR-2024		
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	Blank	Flags
Aroclor-1016	B	46.87	ND	1.3	92%	0.50		u
Aroclor-1016 Peak # 1	B	111.1	1.11	1.15	3%			
Aroclor-1016 Peak # 2	B	38.20	0.38	0.92	82%			
Aroclor-1016 Peak # 3	B	73.64	0.74	3.35	128%			
Aroclor-1016 Peak # 4	B	9.229	0.09	ND				
Aroclor-1016 Peak # 5	B	2.163	0.02	0.91	191%			
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	15.23	ND	1.5	163%	0.50		u
Aroclor-1260 Peak # 1	B	14.99	0.15	2.96	181%			
Aroclor-1260 Peak # 2	B	9.240	0.09	0.10	9%			
Aroclor-1260 Peak # 3	B	14.51	0.15	0.83	140%			
Aroclor-1260 Peak # 4	B	14.16	0.14	3.29	184%			
Aroclor-1260 Peak # 5	B	23.25	0.23	0.20	14%			
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	41.67	0.5000	0.4167	83	19-121	u
Decachlorobiphenyl (PCB)	B	29.78	0.5000	0.2978	60	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	37597481	-18.11
1-bromo-2-nitrobenzene (PCB)	A	3177182	2080730	-34.51

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.83	0.00

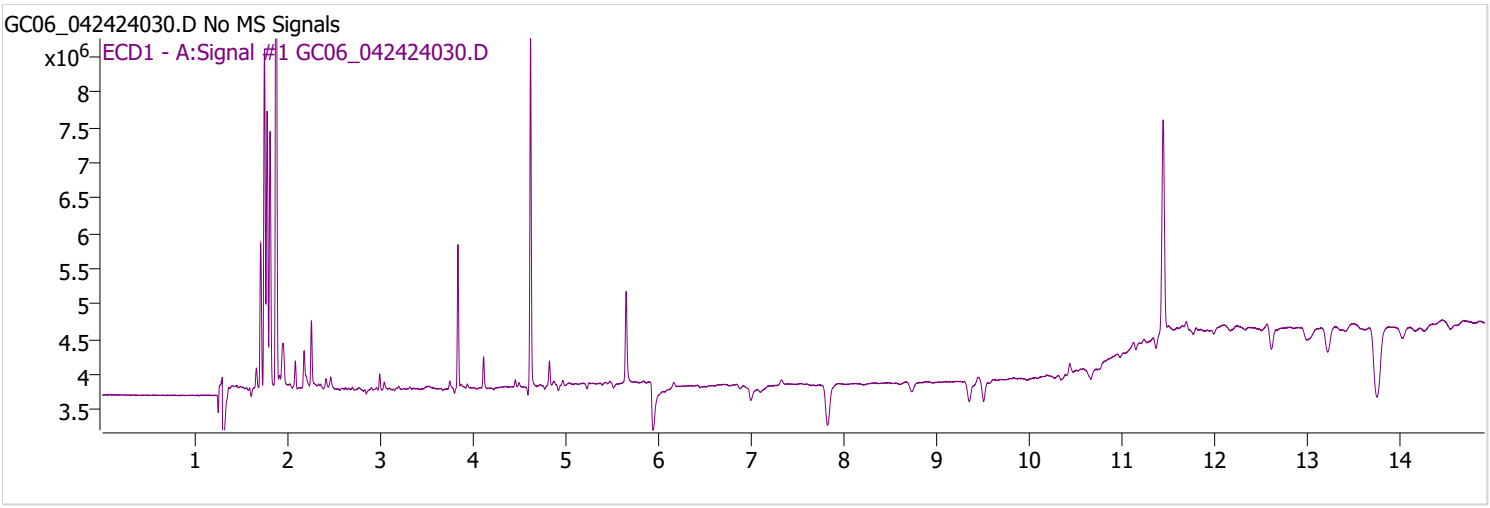
04/26/24 : WIPE/1dm3-10ML

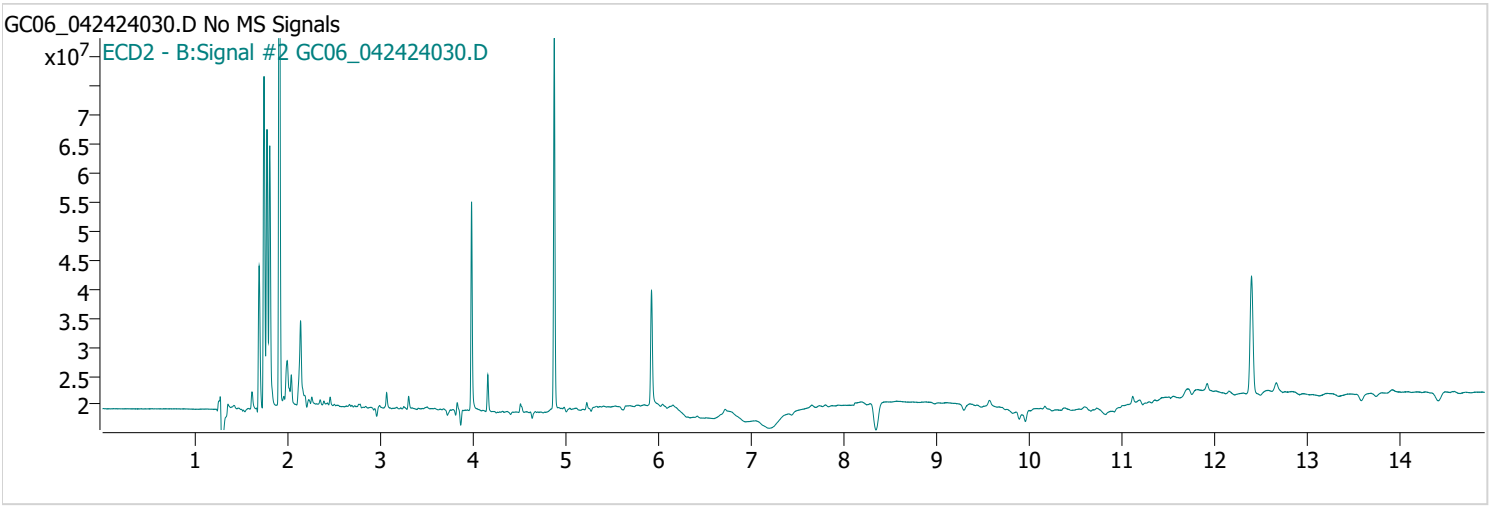
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Analyst: MES 04/26/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424030.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 5:37:01 PM
Sample Name	506868-010, 338600, 1	Instrument	SVOA-GC06
Vial	9	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



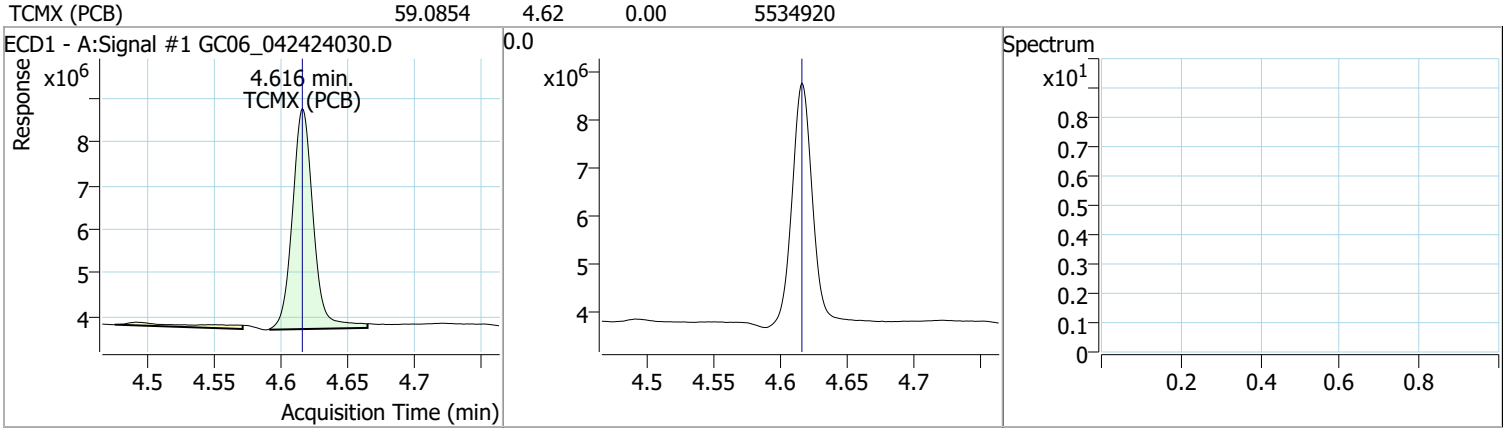


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.833	0.0	2080730.329	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.980	0.0	37597480.503	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.616	0.0	5534919.919	59.0854	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 295.43%		*	
S TCMX (PCB) #2	4.872	0.0	67938865.540	41.6716	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 208.36%		*	
S Decachlorobiphenyl (PCB)	11.438	0.0	6258966.034	50.5298	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 252.65%		*	
S Decachlorobiphenyl (PCB) #2	12.393	0.0	45778555.011	29.7845	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 148.92%			
Target Compounds							QValue

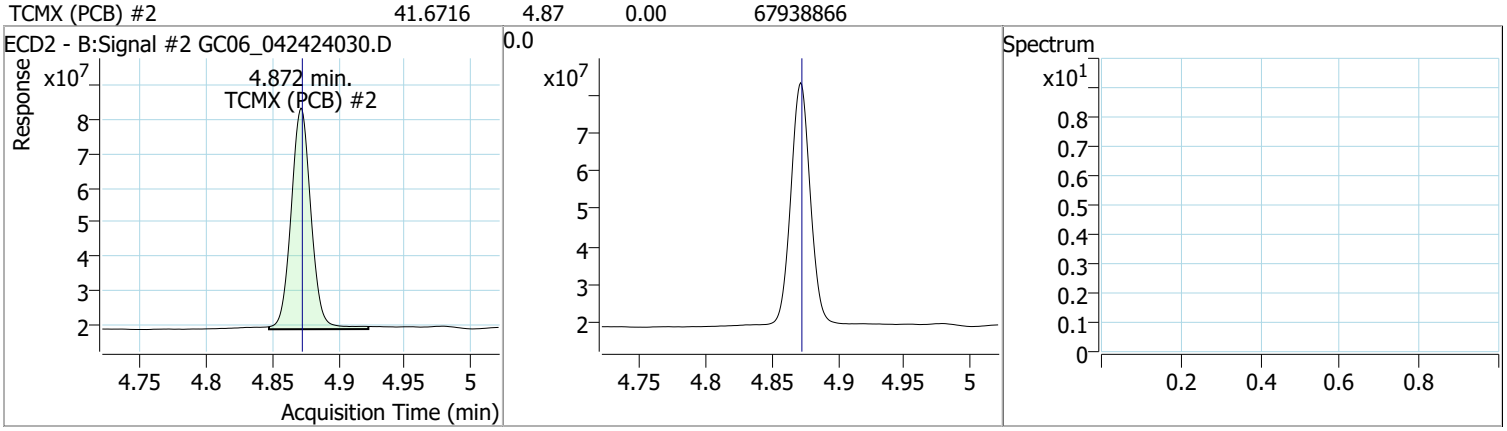
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.965	0.0	256323.181	114.5960	ng/ml	100
T AR1016 2	5.253	0.0	395171.827	91.7694	ng/ml	100
T AR1016 1 #2	5.402	0.0	3860561.305	111.1200	ng/ml	100
T AR1016 3	5.647	0.0	1769576.711	335.0203	ng/ml	100
T AR1016 2 #2	5.685	0.0	2655287.273	38.2030	ng/ml	100
T AR1016 4	0.000		0	N.D.		
T AR1016 3 #2	6.151	0.0	7089301.607	73.6405	ng/ml	100
T AR1016 5	6.163	0.0	284823.442	91.1620	ng/ml	100
T AR1016 4 #2	6.417	0.0	587322.145	9.2295	ng/ml	100
T AR1016 5 #2	6.738	0.0	115214.290	2.1629	ng/ml	100
T AR1260 1	7.733	0.0	1884279.988	296.1033	ng/ml	100
T AR1260 2	8.326	0.0	98791.320	10.1479	ng/ml	100
T AR1260 3	8.893	0.0	849876.645	82.8305	ng/ml	100
T AR1260 1 #2	9.093	0.0	1577754.252	14.9929	ng/ml	100
T AR1260 2 #2	9.428	0.0	1182832.542	9.2401	ng/ml	100
T AR1260 4	9.440	0.0	1943413.504	329.2684	ng/ml	100
T AR1260 3 #2	9.913	0.0	2291107.717	14.5143	ng/ml	100
T AR1260 5	10.308	0.0	132666.353	20.1320	ng/ml	100
T AR1260 4 #2	10.371	0.0	1389754.934	14.1583	ng/ml	100
T AR1260 5 #2	11.111	0.0	3072558.410	23.2468	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

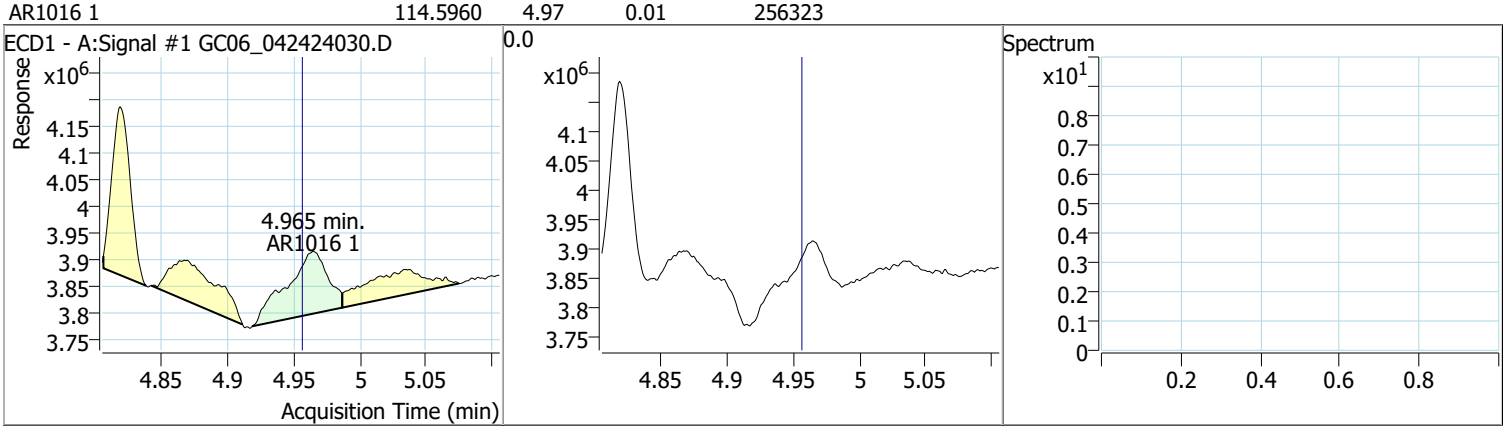
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	59.0854	4.62	0.00	5534920				



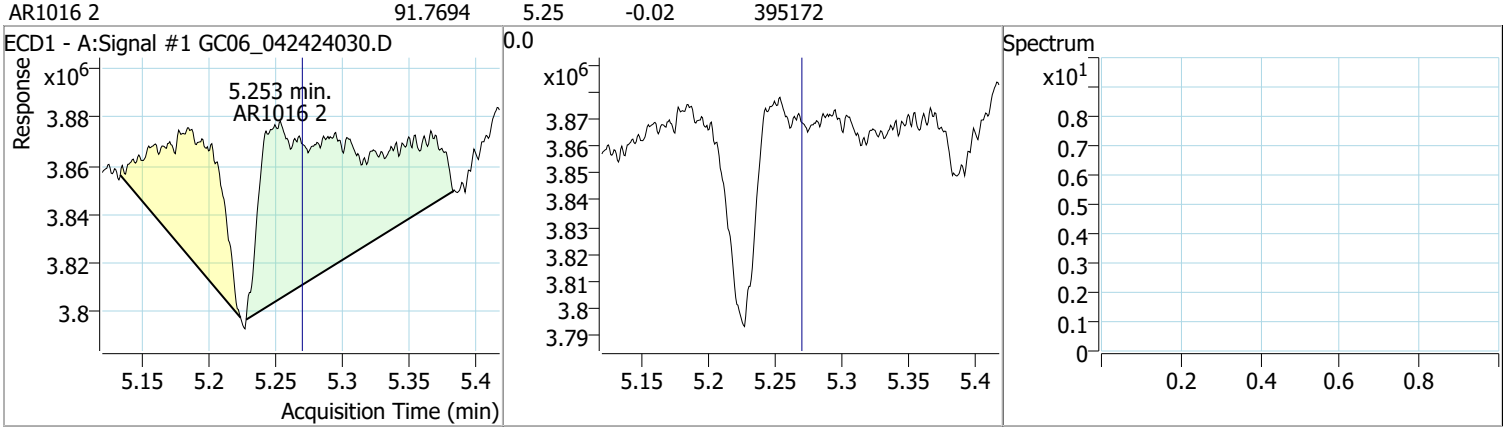
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	41.6716	4.87	0.00	67938866				



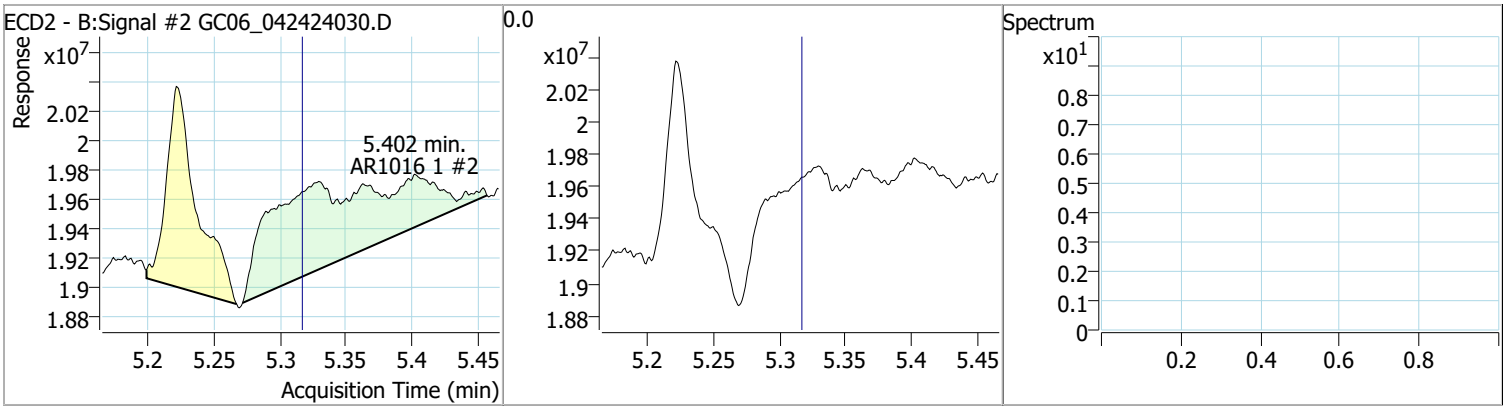
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	114.5960	4.97	0.01	256323				



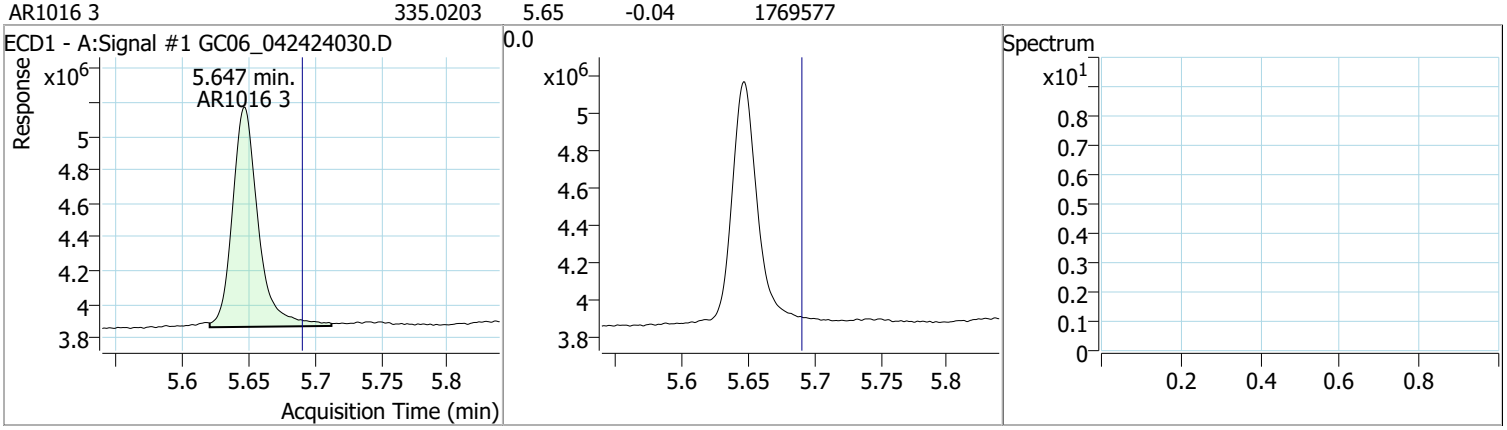
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	91.7694	5.25	-0.02	395172				



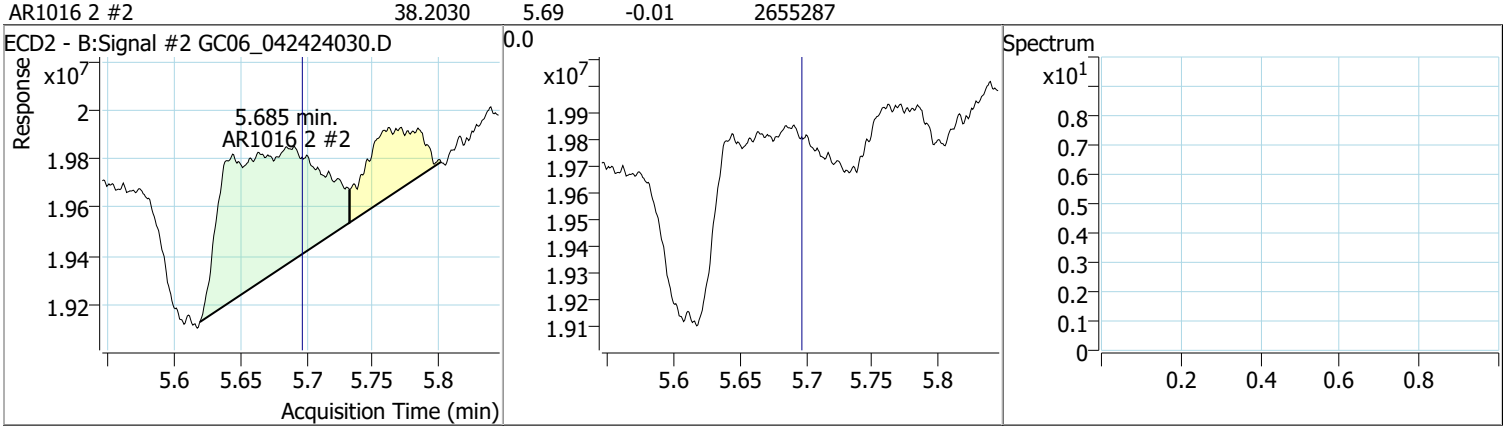
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	111.1200	5.40	0.09	3860561				



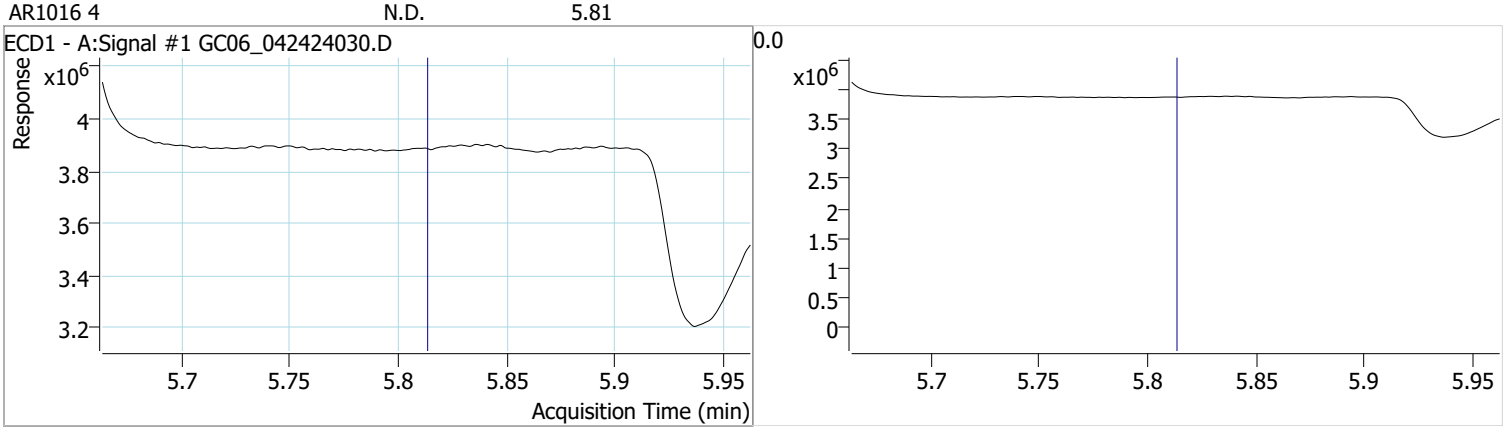
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	335.0203	5.65	-0.04	1769577				



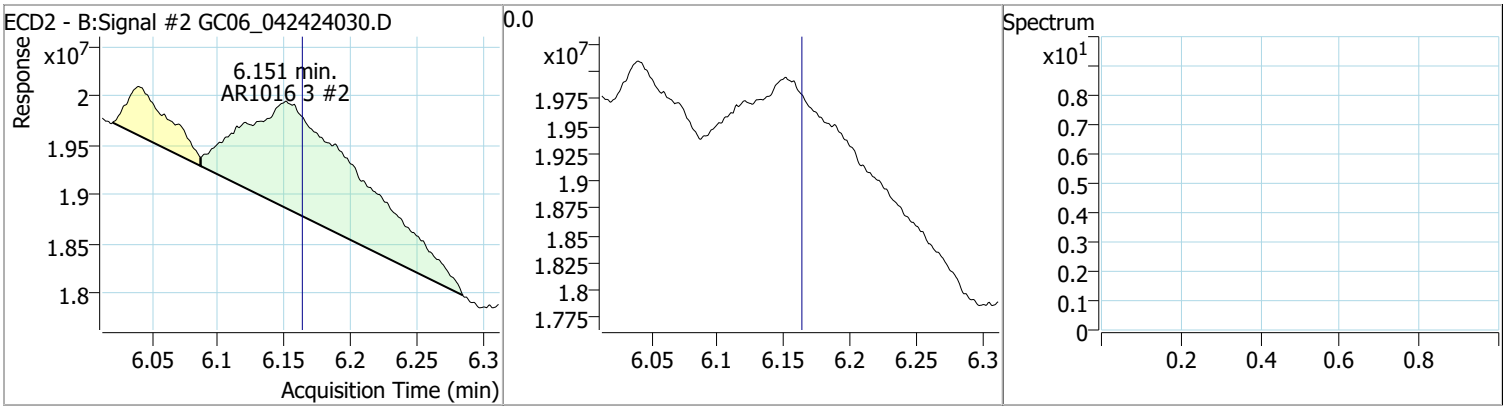
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	38.2030	5.69	-0.01	2655287				



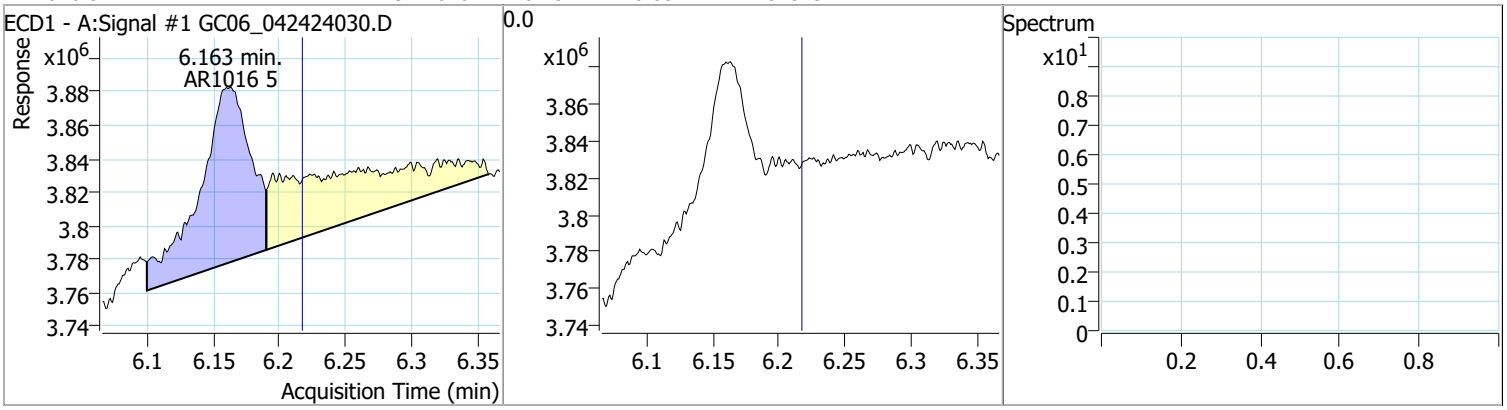
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 4	N.D.	5.81		



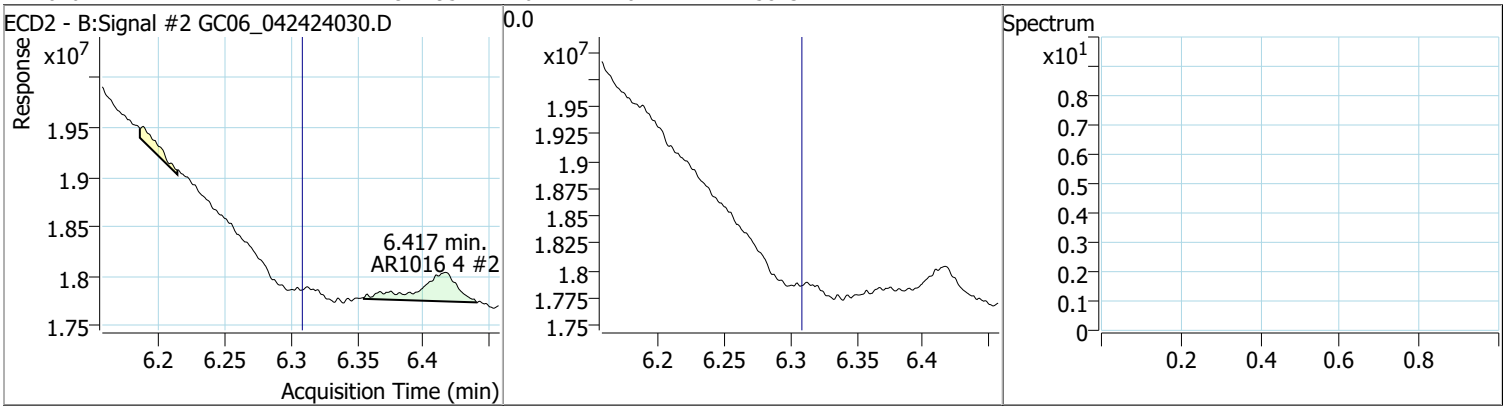
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	73.6405	6.15	-0.01	7089302				



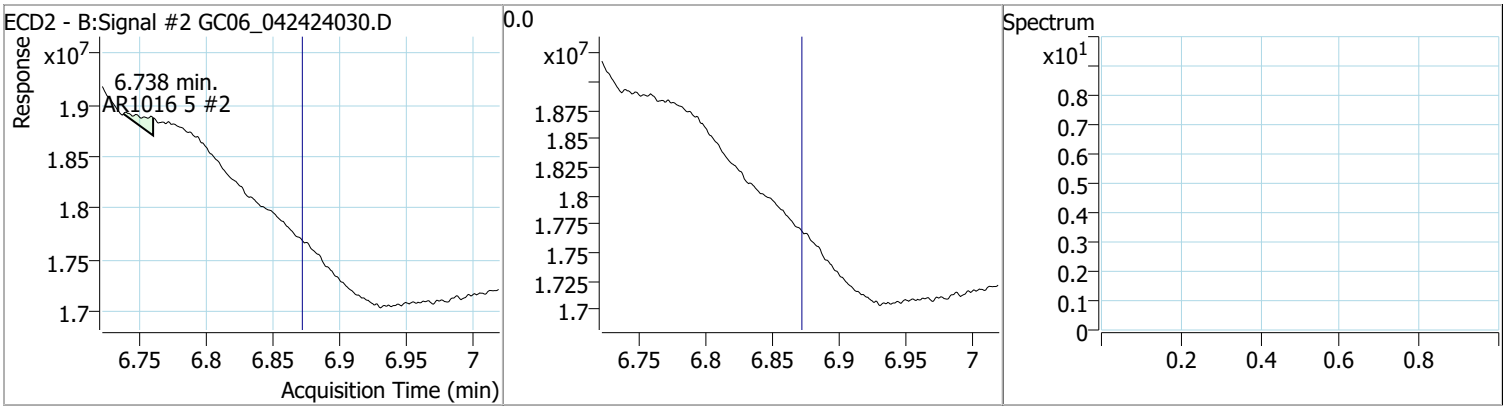
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	91.1620	6.16	-0.05	284823				



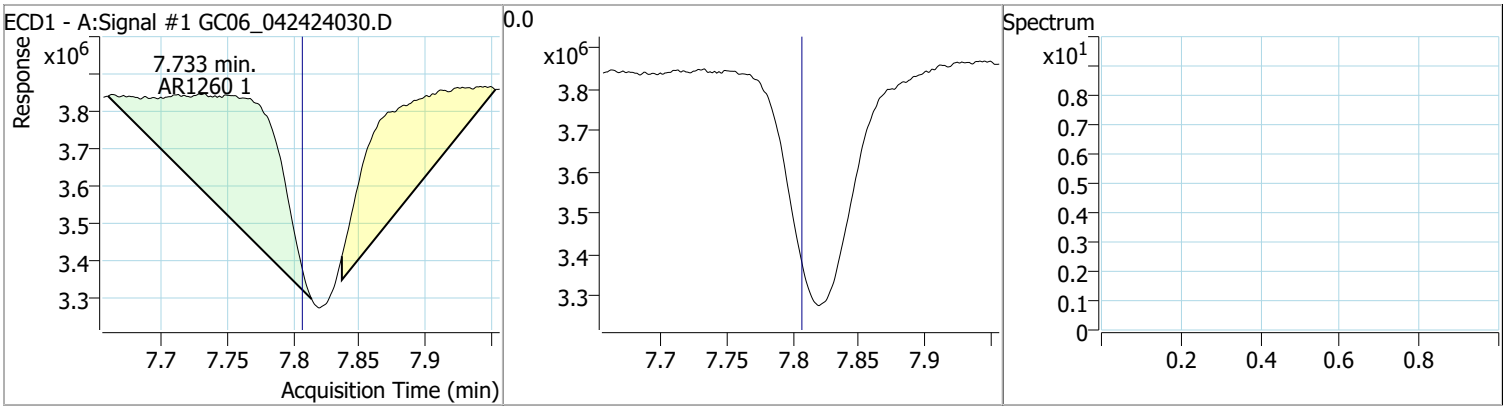
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AR1016 4 #2	9.2295	6.42	0.11	587322				



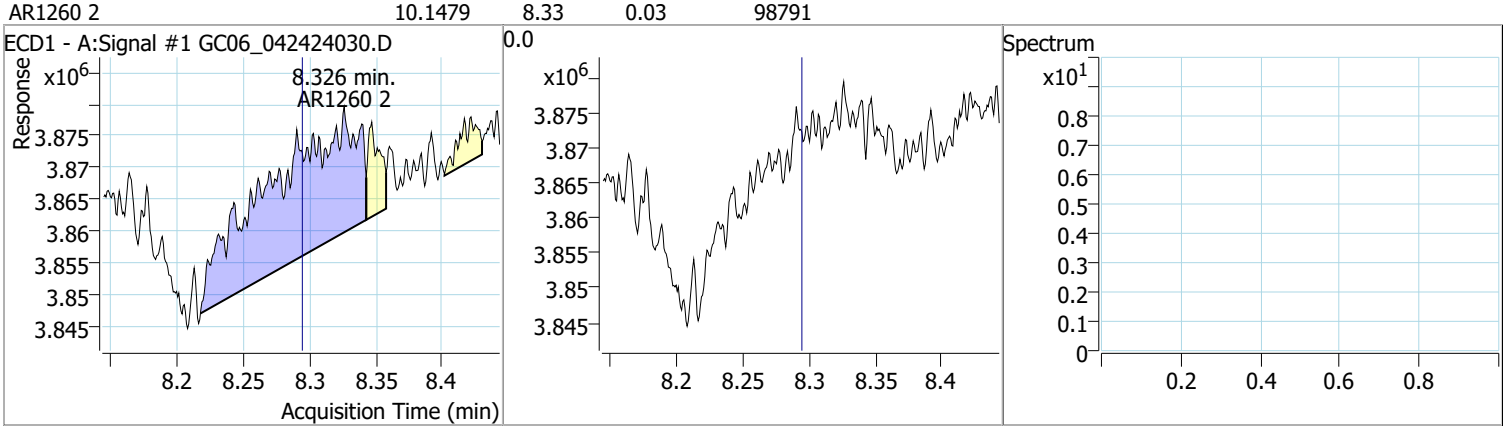
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	2.1629	6.74	-0.13	115214				



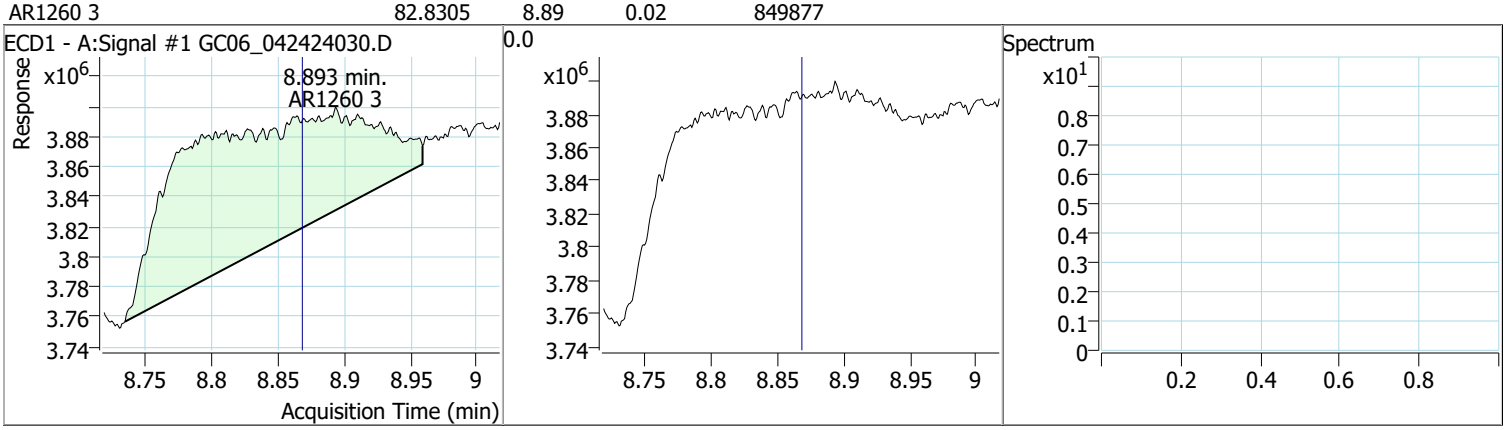
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	296.1033	7.73	-0.07	1884280				



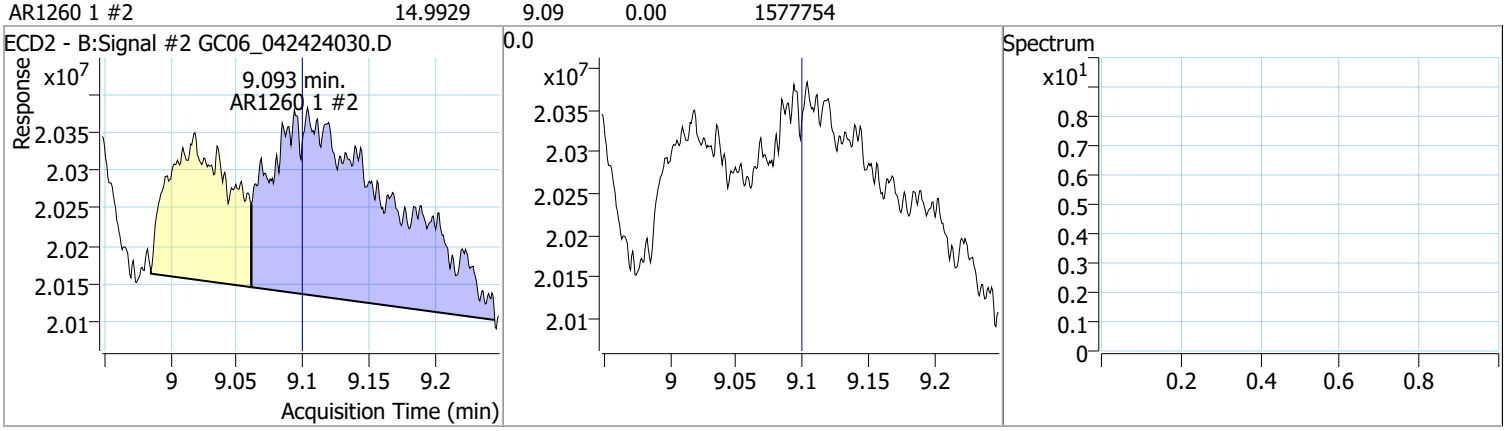
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	10.1479	8.33	0.03	98791				



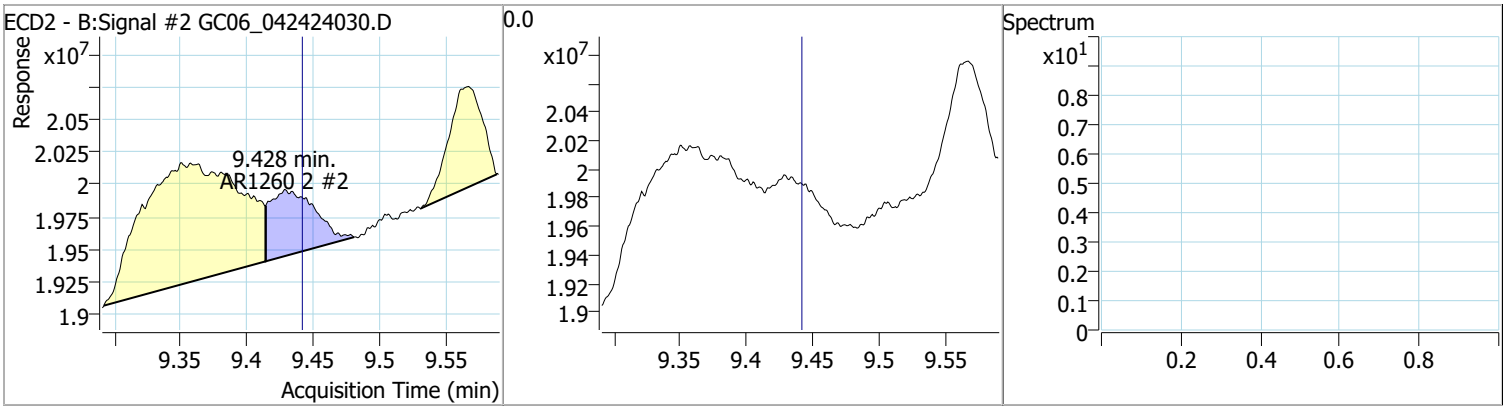
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AR1260 3	82.8305	8.89	0.02	849877				



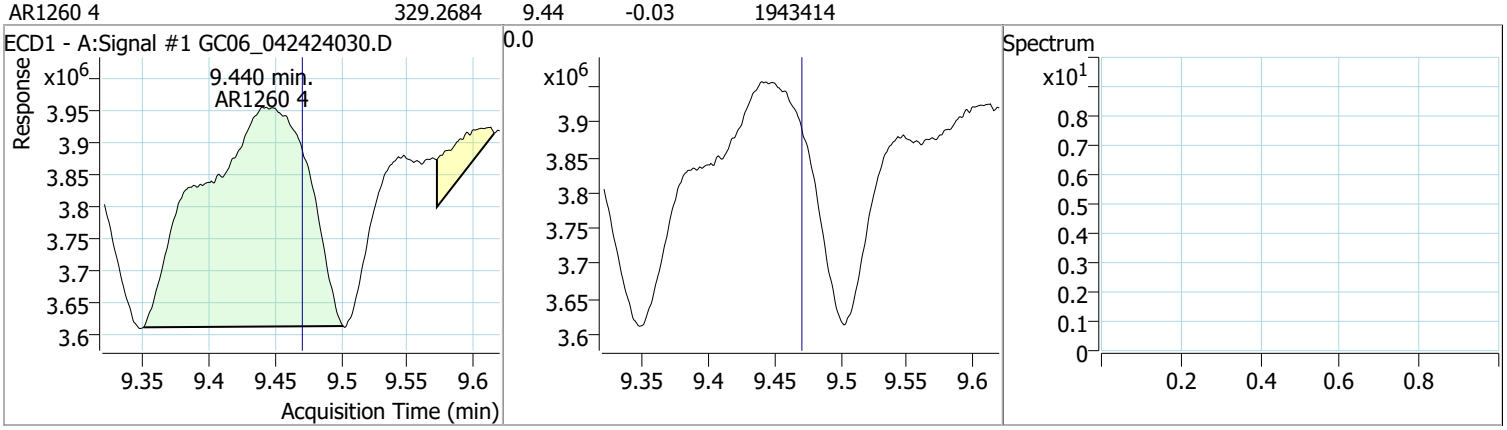
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
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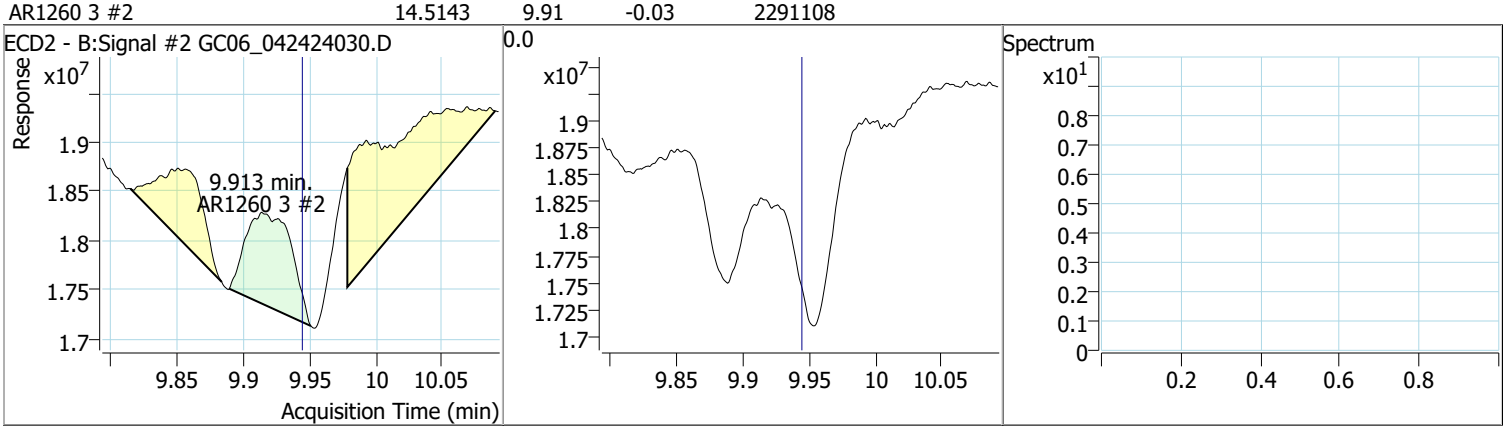
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	9.2401	9.43	-0.01	1182833				



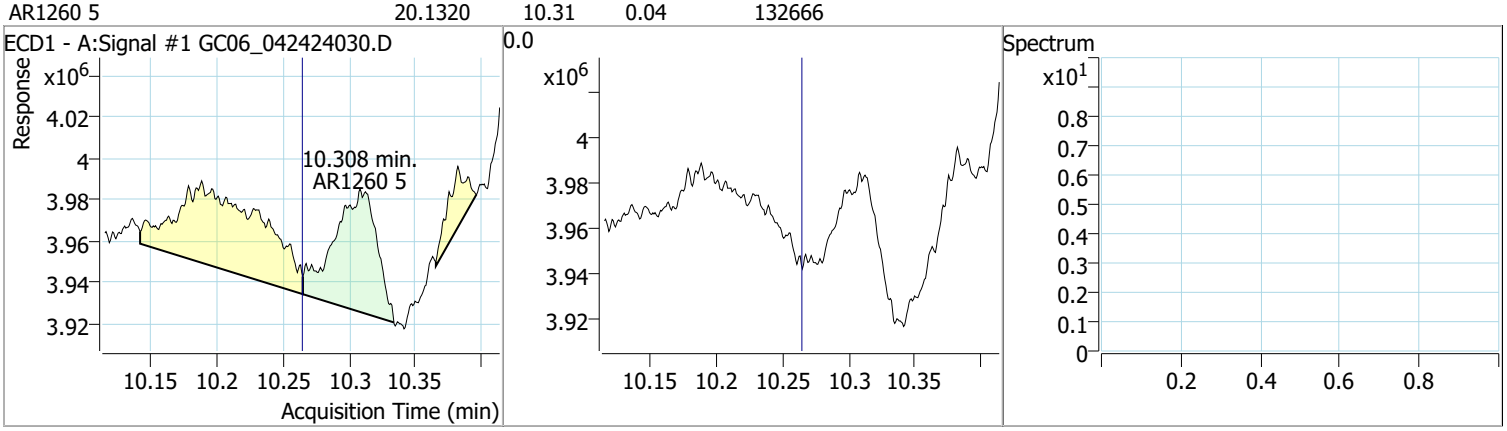
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	329.2684	9.44	-0.03	1943414				



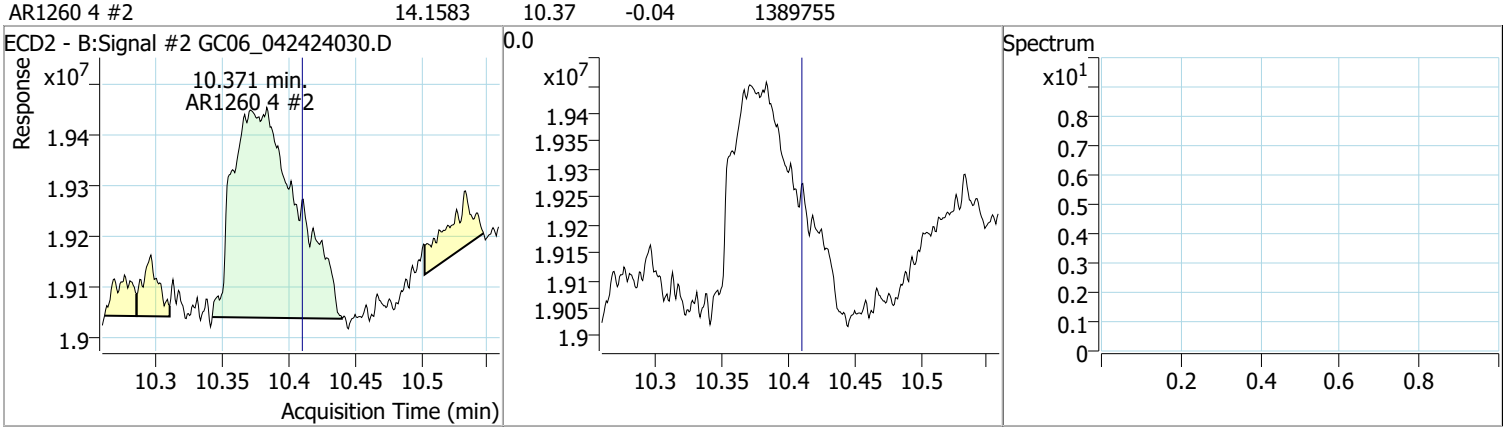
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	14.5143	9.91	-0.03	2291108				



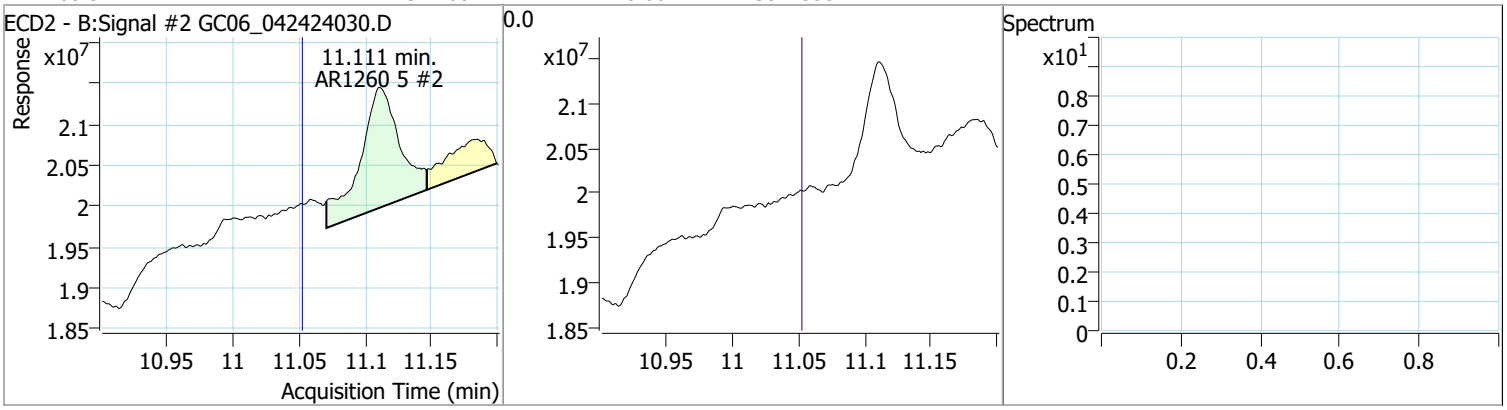
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	20.1320	10.31	0.04	132666				



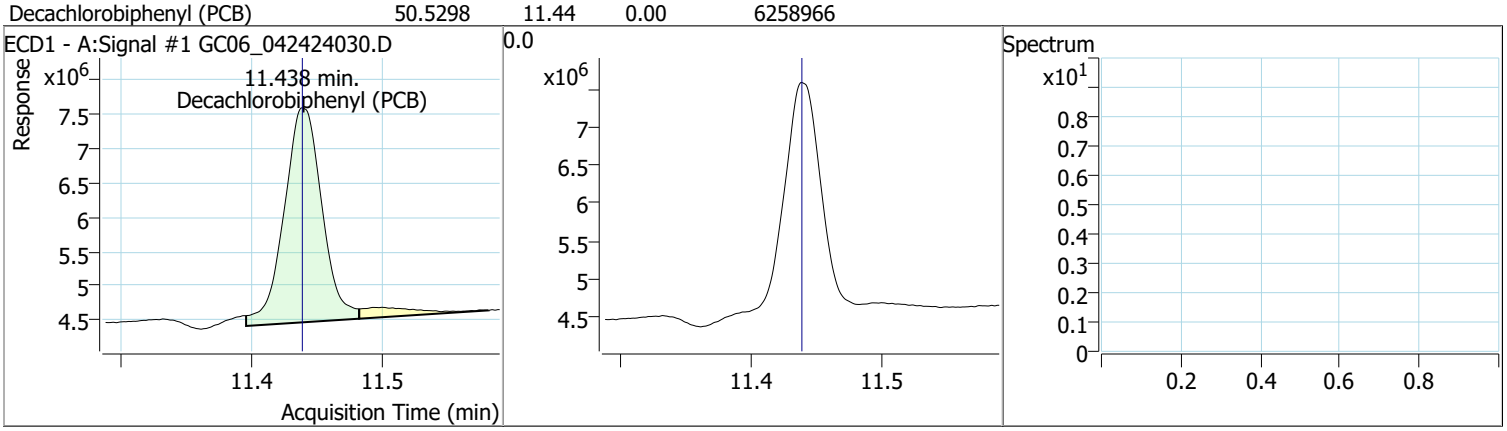
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	14.1583	10.37	-0.04	1389755				



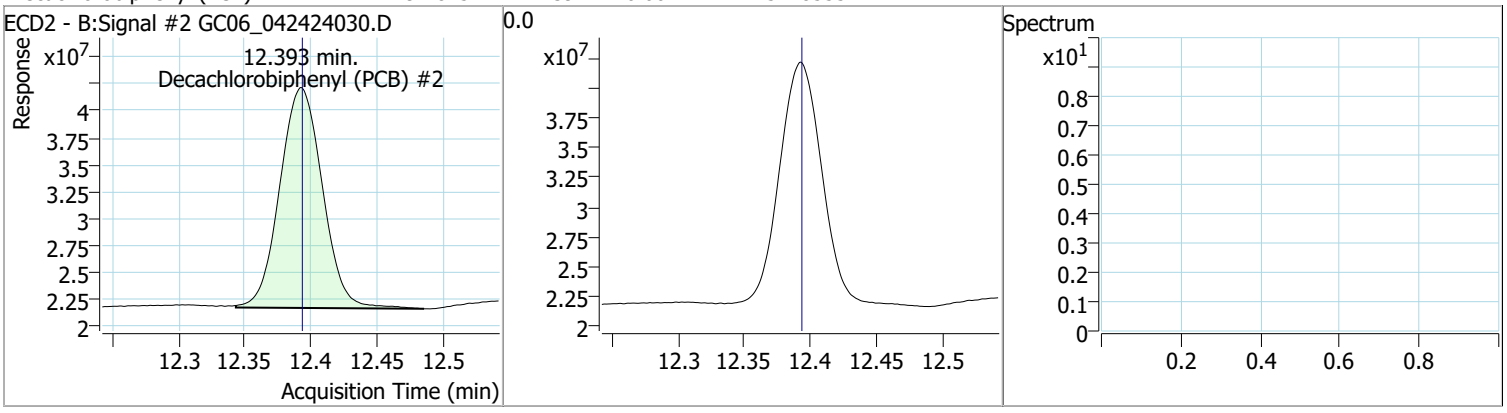
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	23.2468	11.11	0.06	3072558				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	50.5298	11.44	0.00	6258966				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.7845	12.39	0.00	45778555				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	506868-013	Client ID:	AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-P-LA
Seqnum:	454166111031	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_042424031	Batch:	338600	Time:	24-APR-2024 17:57
Cal:	454124679002	Caldate:	26-MAR-2024		
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	Blank	Flags
Aroclor-1016	B	49.02	ND	2.2	127%	0.50		u
Aroclor-1016 Peak # 1	B	139.2	1.39	1.57	12%			
Aroclor-1016 Peak # 2	B	43.24	0.43	1.04	82%			
Aroclor-1016 Peak # 3	B	61.54	0.62	7.52	170%			
Aroclor-1016 Peak # 4	B	0.8930	0.01	0.03	105%			
Aroclor-1016 Peak # 5	B	0.2482	0.00	0.74	199%			
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	23.64	ND	1.4	141%	0.50		u
Aroclor-1260 Peak # 1	B	20.42	0.20	2.58	171%			
Aroclor-1260 Peak # 2	B	49.59	0.50	0.02	182%			
Aroclor-1260 Peak # 3	B	13.57	0.14	0.76	140%			
Aroclor-1260 Peak # 4	B	13.08	0.13	3.15	184%			
Aroclor-1260 Peak # 5	B	21.56	0.22	0.31	35%			
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	39.32	0.5000	0.3932	79	19-121	u
Decachlorobiphenyl (PCB)	B	26.64	0.5000	0.2664	53	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	41417224	-9.79
1-bromo-2-nitrobenzene (PCB)	A	3177182	2375885	-25.22

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.83	0.00

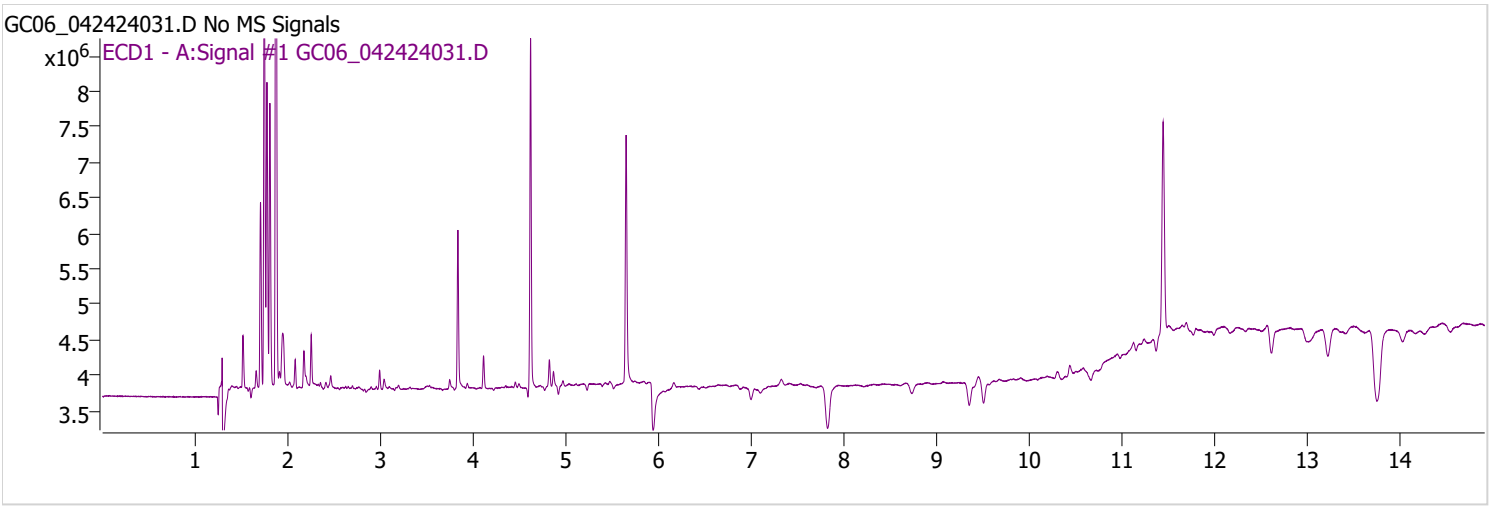
04/26/24 : WIPE/1dm3-10ML

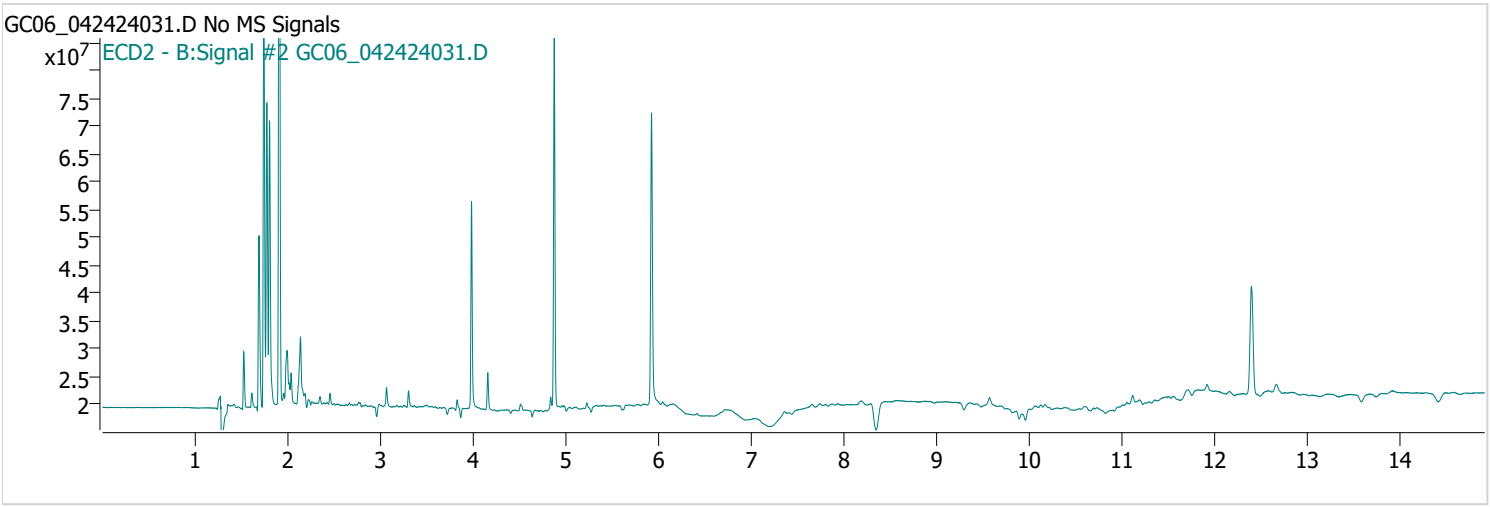
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Analyst: MES 04/26/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424031.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 5:57:58 PM
Sample Name	506868-013, 338600, 1	Instrument	SVOA-GC06
Vial	10	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



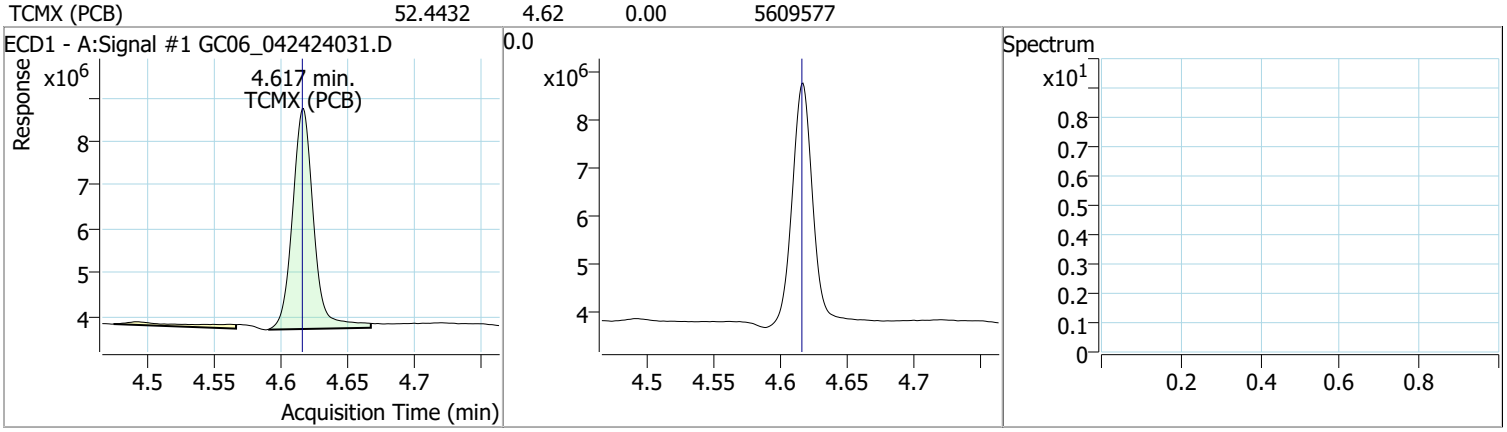


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.833	0.0	2375884.885	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.979	0.0	41417224.295	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.617	0.0	5609577.259	52.4432	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 262.22%		*	
S TCMX (PCB) #2	4.872	0.0	70622797.796	39.3228	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 196.61%		*	
S Decachlorobiphenyl (PCB)	11.439	0.0	6105065.233	43.1644	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 215.82%		*	
S Decachlorobiphenyl (PCB) #2	12.391	0.0	45097364.131	26.6353	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 133.18%			
Target Compounds							QValue

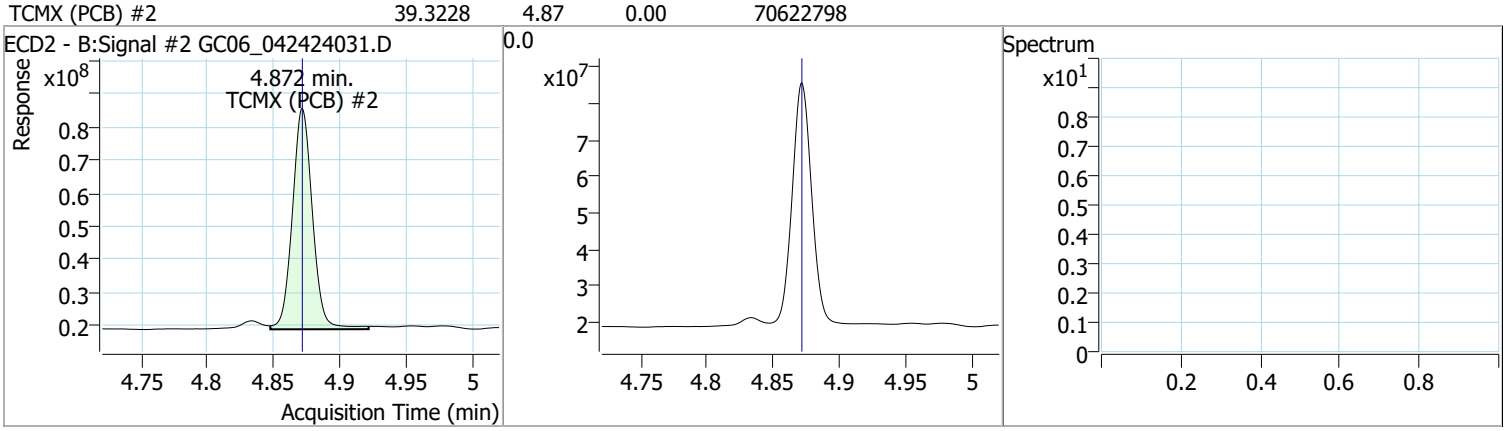
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.966	0.0	401628.919	157.2523	ng/ml	100
T AR1016 2	5.254	0.0	510687.429	103.8622	ng/ml	100
T AR1016 1 #2	5.403	0.0	5325683.346	139.1537	ng/ml	100
T AR1016 3	5.647	0.0	4535377.693	751.9788	ng/ml	100
T AR1016 2 #2	5.688	0.0	3310684.863	43.2396	ng/ml	100
T AR1016 4	5.712	0.0	12143.817	2.8519	ng/ml	100
T AR1016 3 #2	6.151	0.0	6526395.824	61.5410	ng/ml	100
T AR1016 5	6.163	0.0	265273.199	74.3570	ng/ml	100
T AR1016 4 #2	6.315	0.0	62599.981	0.8930	ng/ml	100
T AR1016 5 #2	7.013	0.0	14563.989	0.2482	ng/ml	100
T AR1260 1	7.746	0.0	1871124.690	257.5081	ng/ml	100
T AR1260 2	8.290	0.0	25936.485	2.3332	ng/ml	100
T AR1260 3	8.893	0.0	895323.059	76.4196	ng/ml	100
T AR1260 1 #2	9.093	0.0	2367049.586	20.4189	ng/ml	100
T AR1260 2 #2	9.358	0.0	6992455.413	49.5862	ng/ml	100
T AR1260 4	9.451	0.0	2124024.475	315.1627	ng/ml	100
T AR1260 3 #2	9.913	0.0	2359947.487	13.5716	ng/ml	100
T AR1260 5	10.296	0.0	231534.608	30.7704	ng/ml	100
T AR1260 4 #2	10.374	0.0	1414885.571	13.0850	ng/ml	100
T AR1260 5 #2	11.110	0.0	3138762.203	21.5575	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

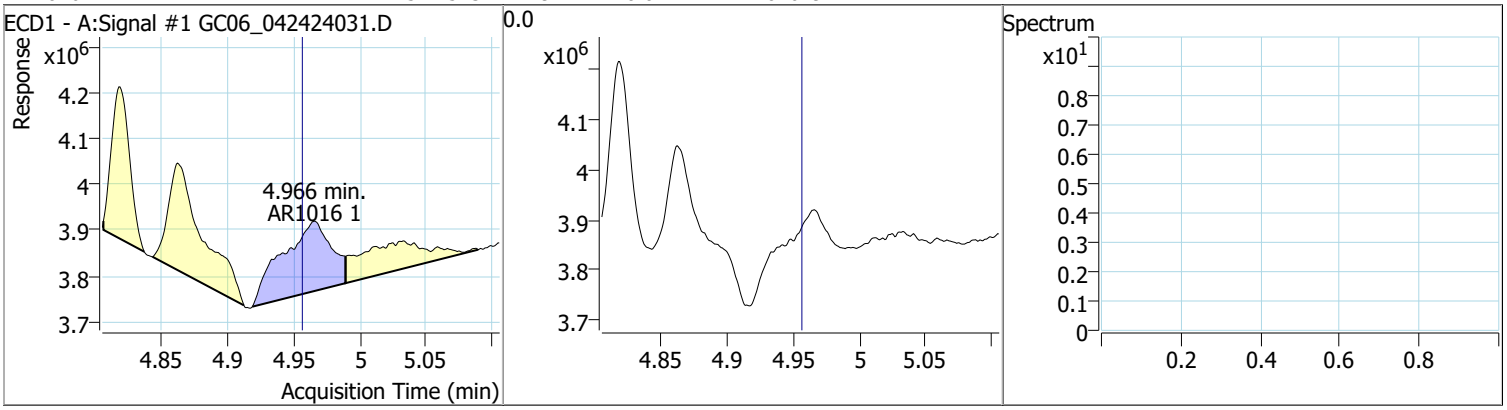
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	52.4432	4.62	0.00	5609577				



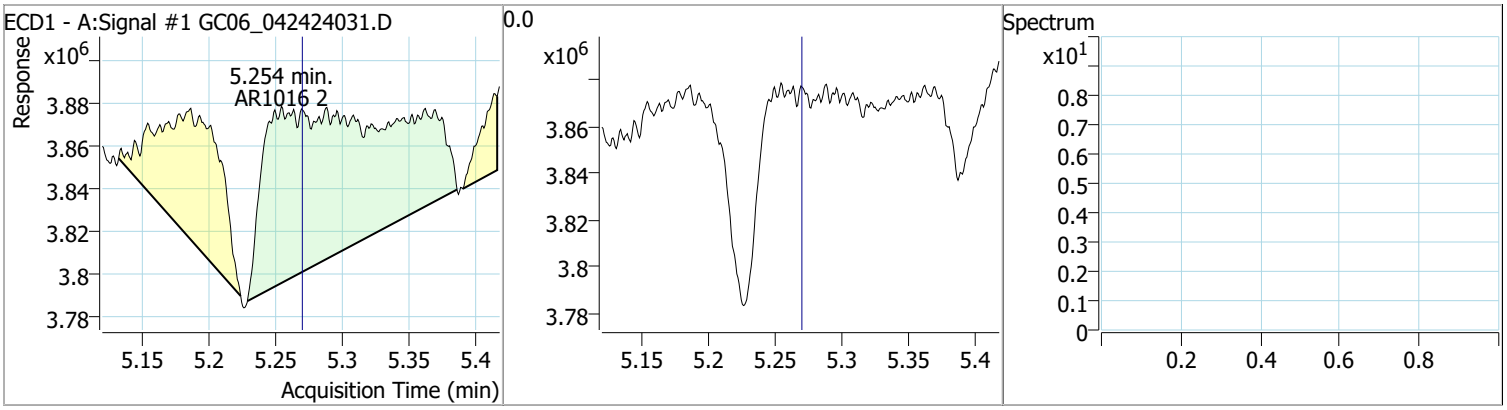
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.3228	4.87	0.00	70622798				



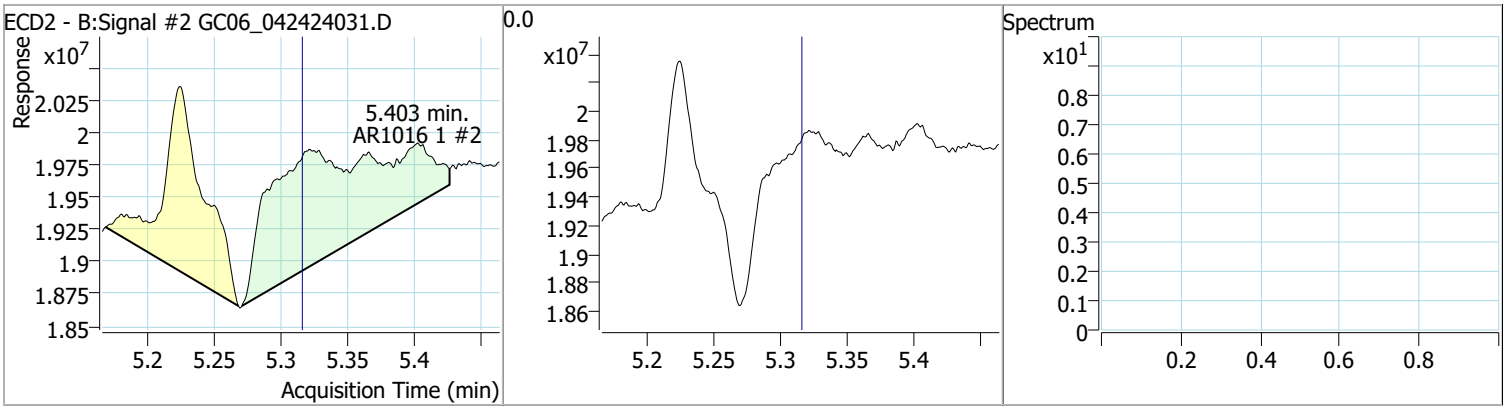
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	157.2523	4.97	0.01	401629				



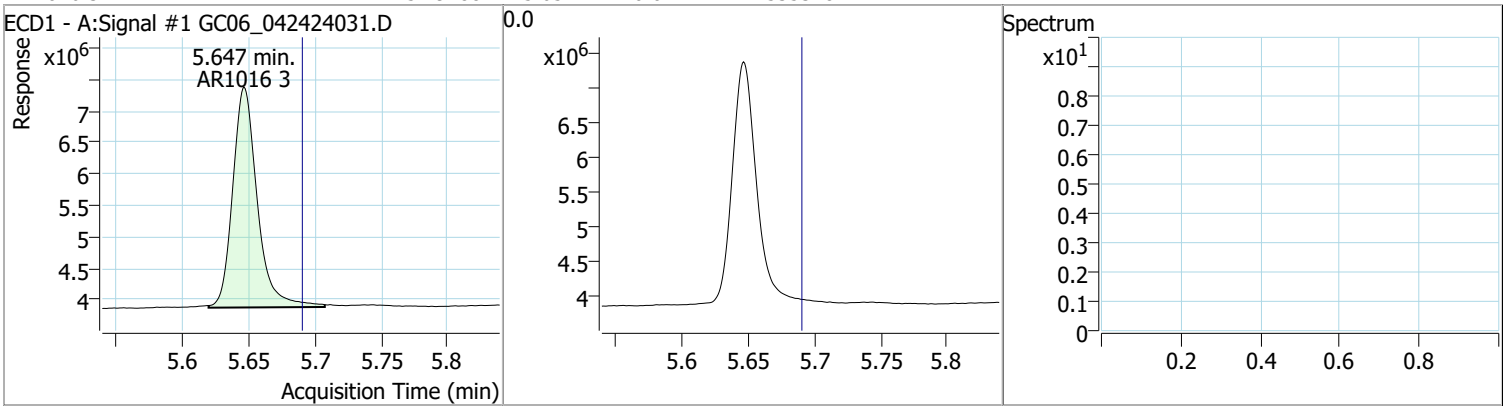
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	103.8622	5.25	-0.02	510687				



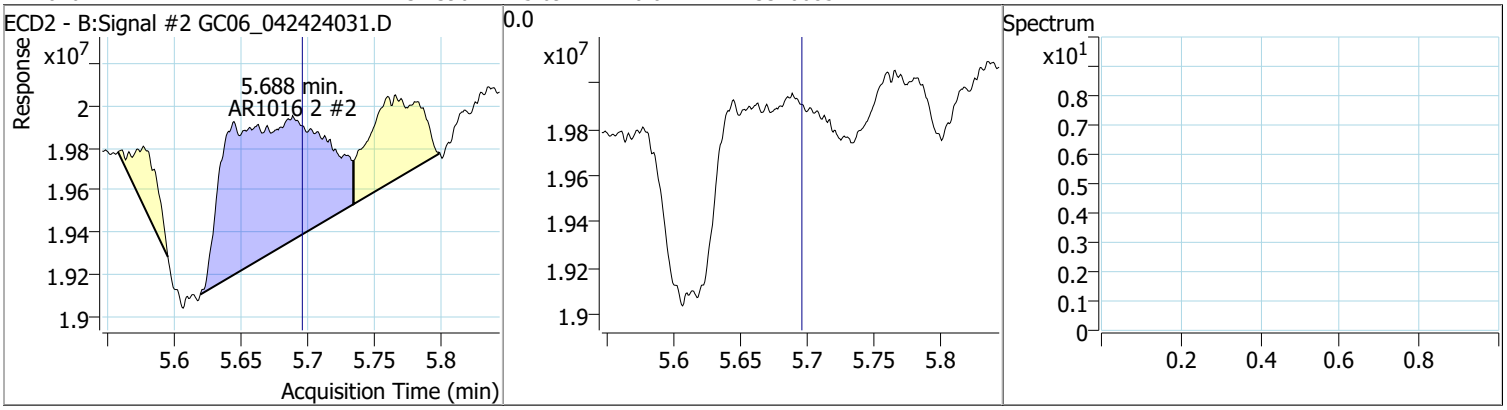
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	139.1537	5.40	0.09	5325683				



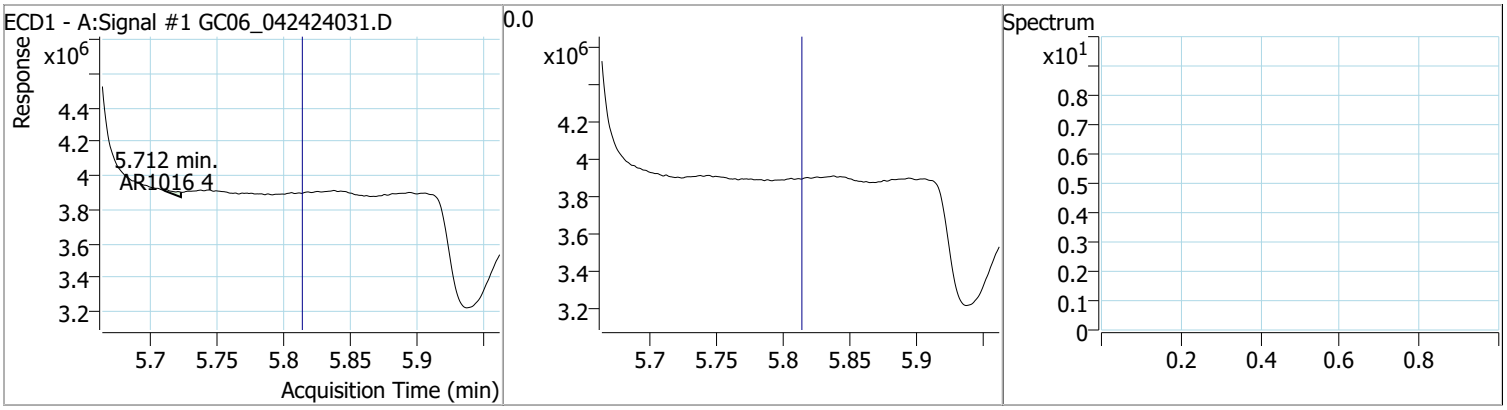
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	751.9788	5.65	-0.04	4535378				



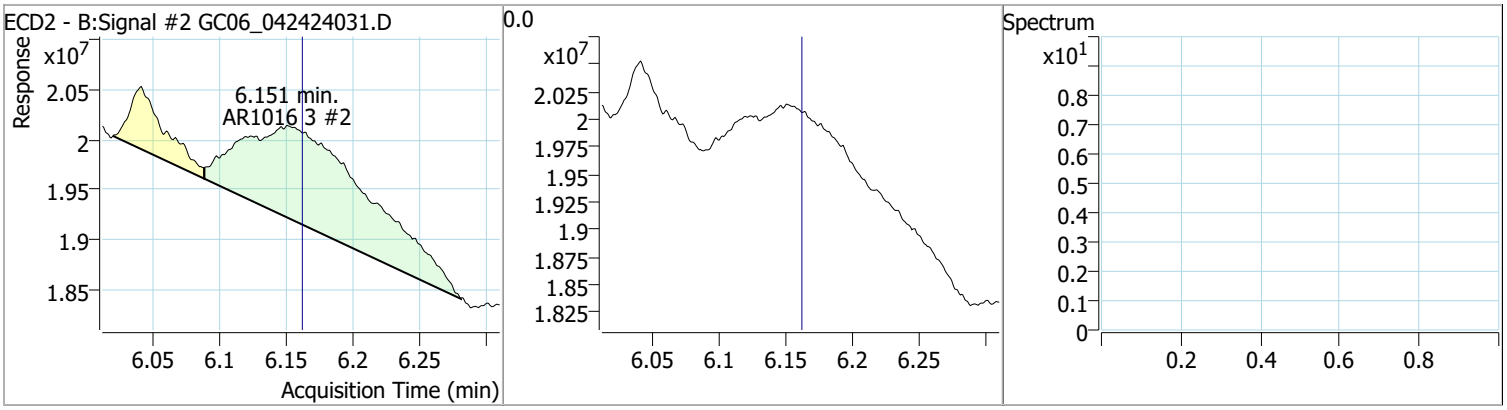
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	43.2396	5.69	-0.01	3310685				



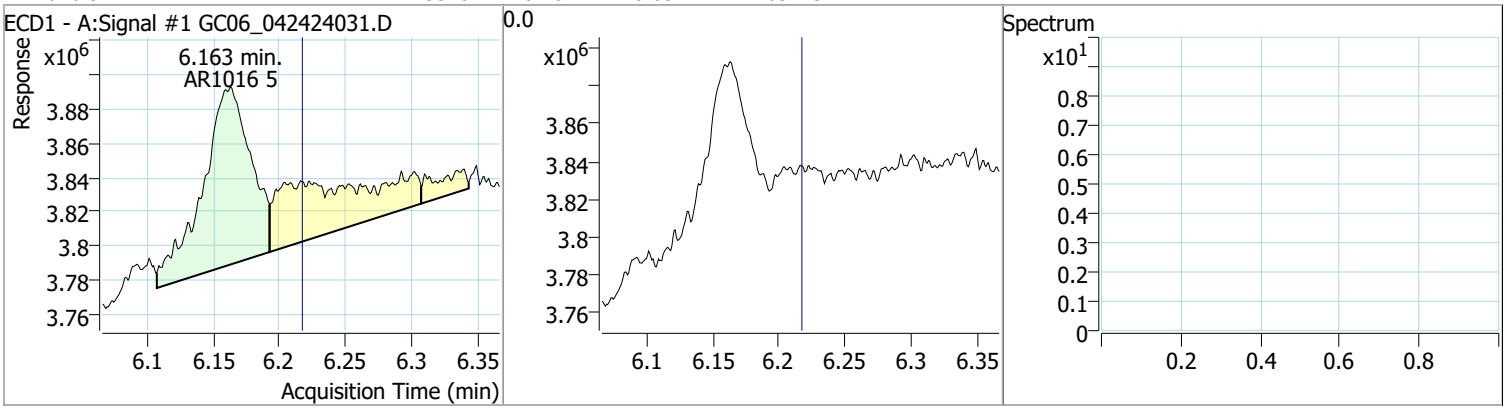
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	2.8519	5.71	-0.10	12144				



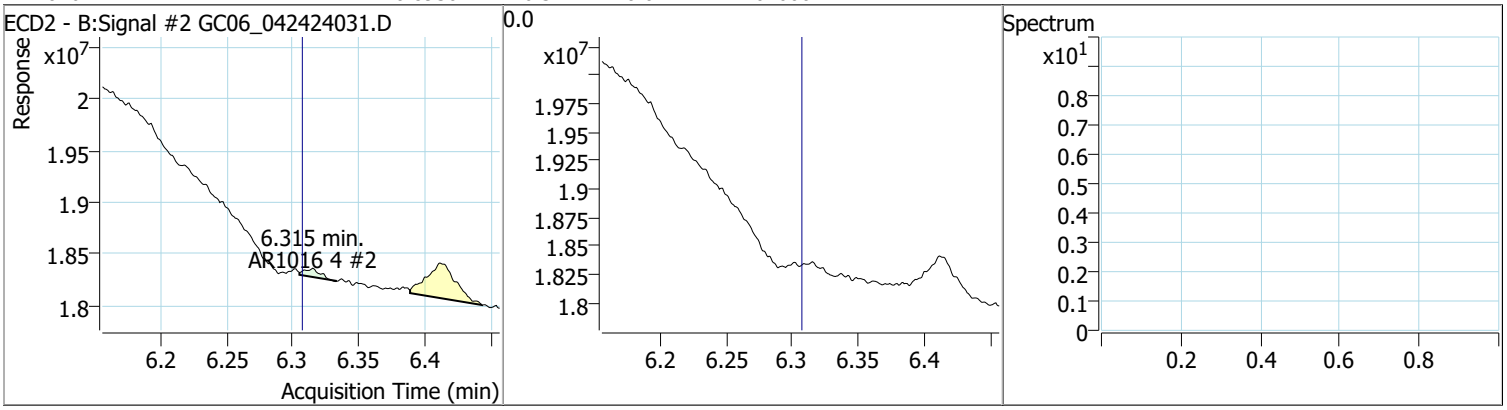
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	61.5410	6.15	-0.01	6526396				



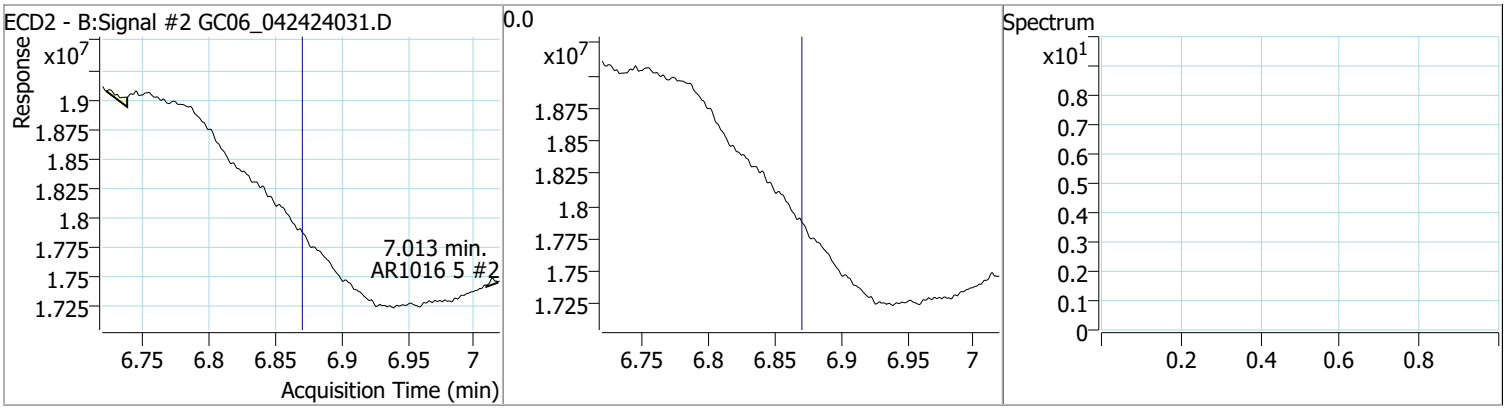
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	74.3570	6.16	-0.05	265273				



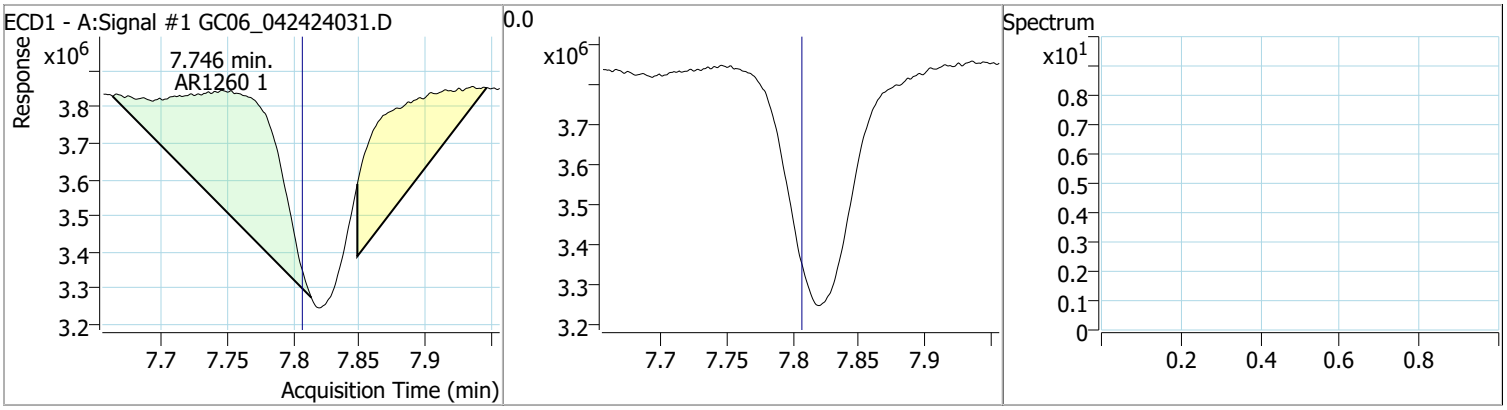
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.8930	6.32	0.01	62600				



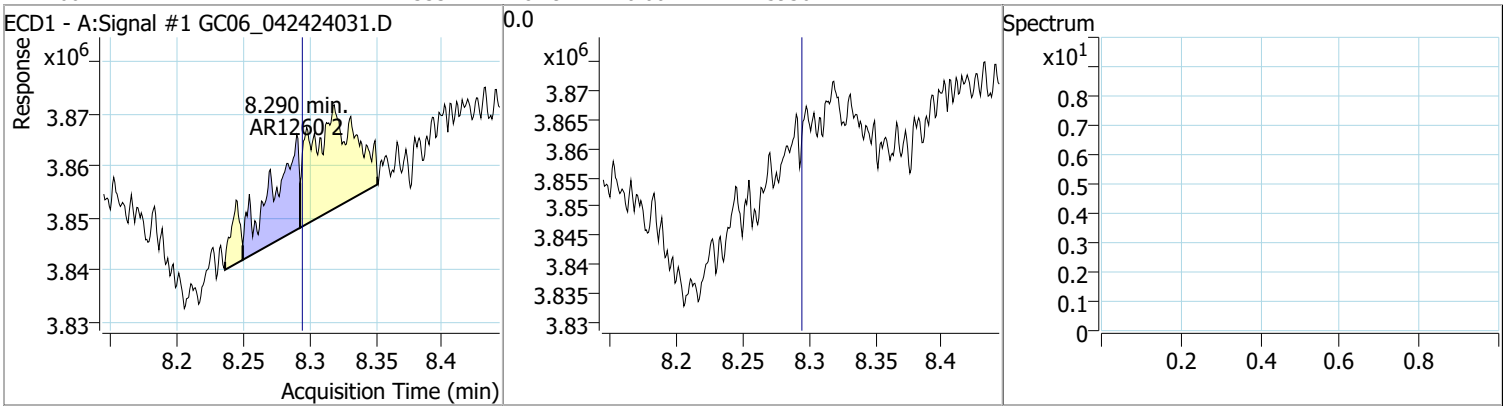
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	0.2482	7.01	0.14	14564				



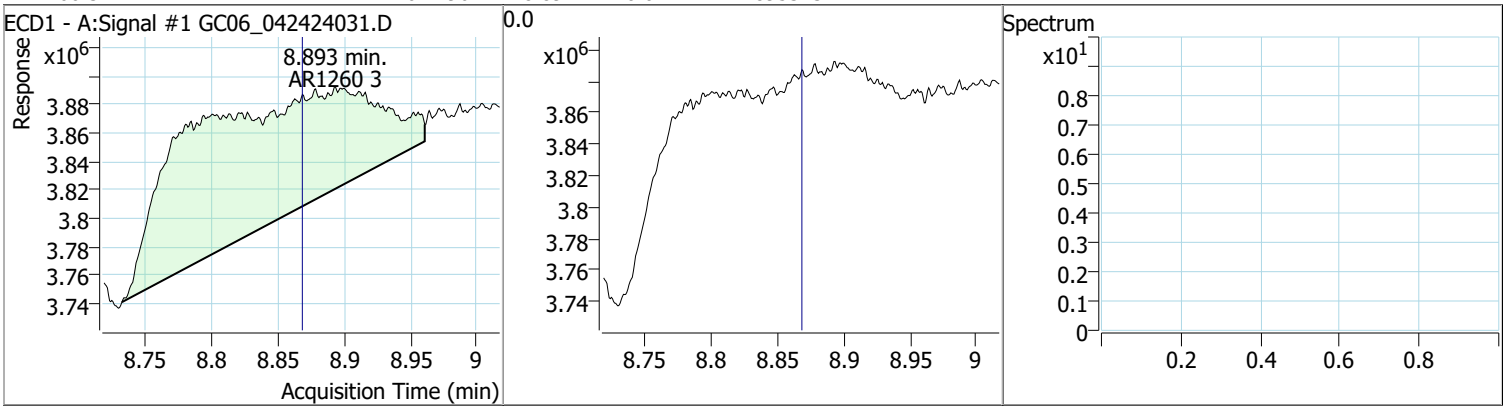
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	257.5081	7.75	-0.06	1871125				



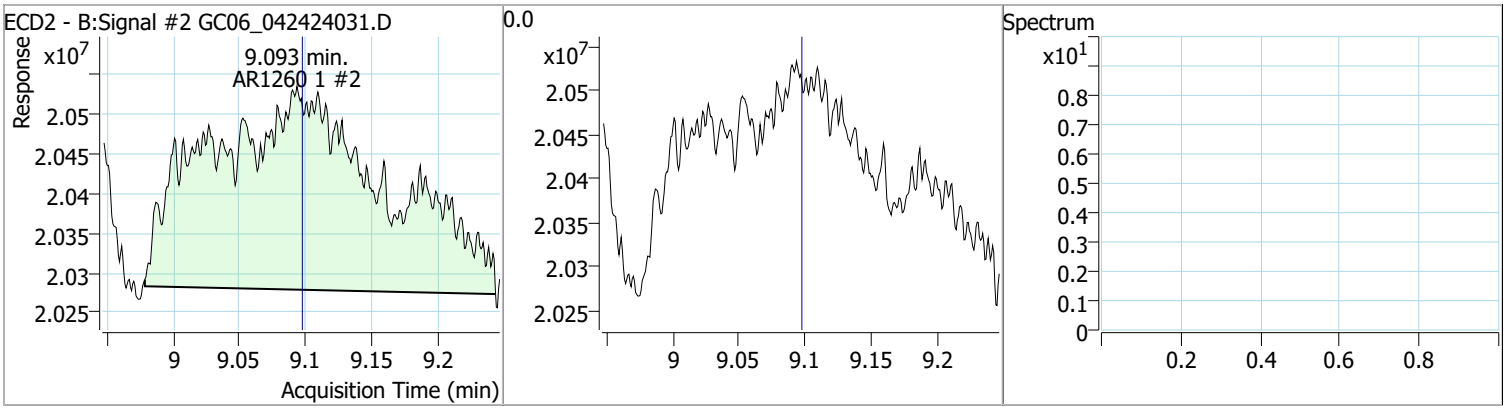
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	2.3332	8.29	0.00	25936				



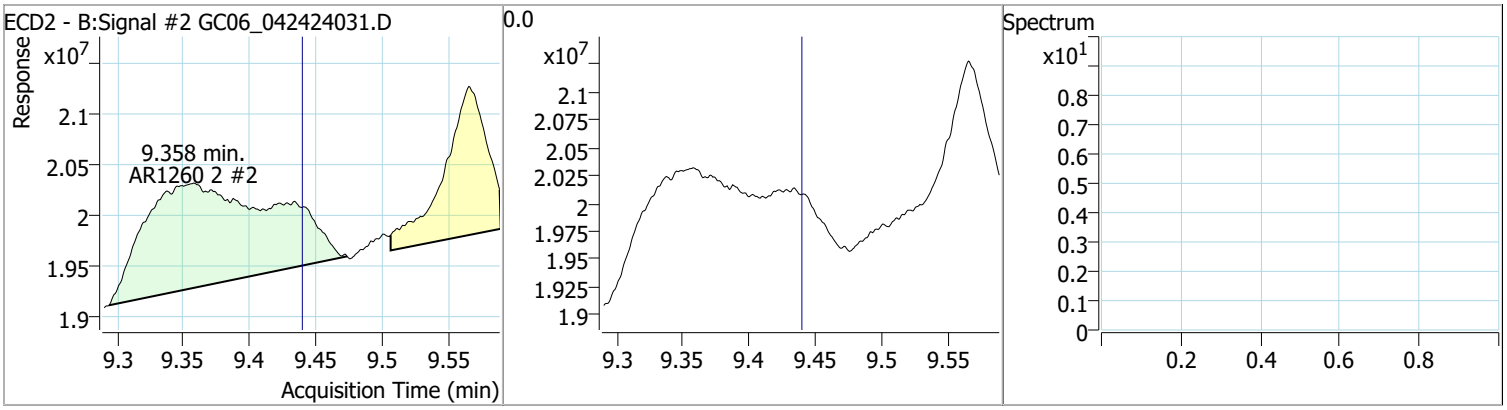
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	76.4196	8.89	0.02	895323				



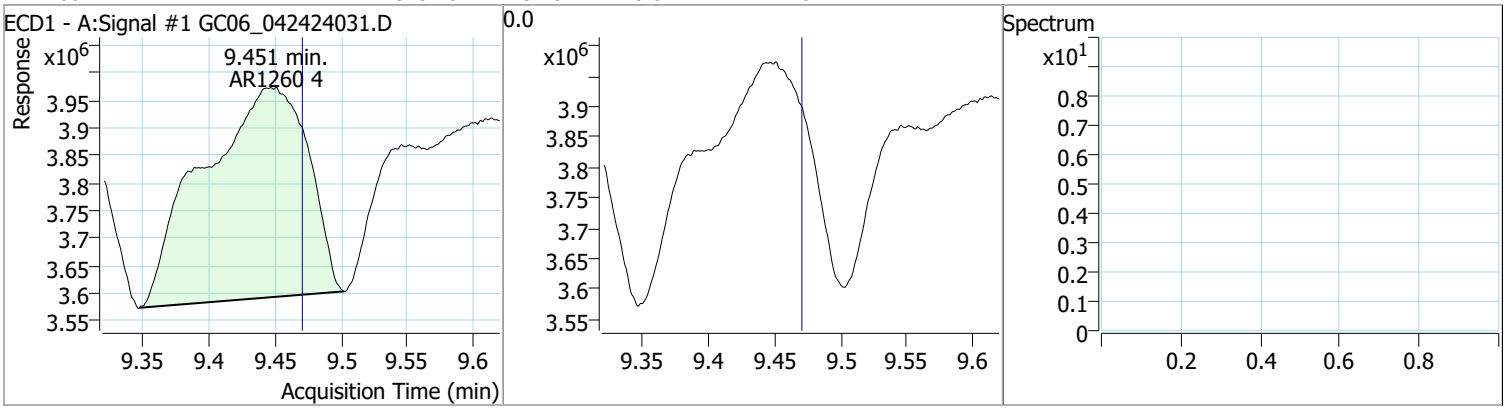
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AR1260 1 #2	20.4189	9.09	0.00	2367050				



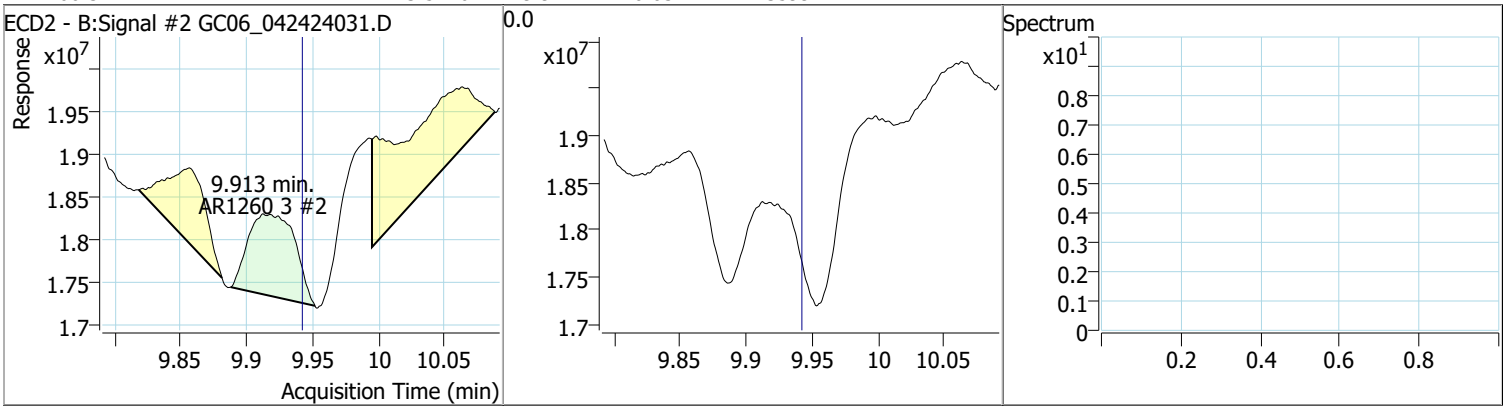
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	49.5862	9.36	-0.08	6992455				



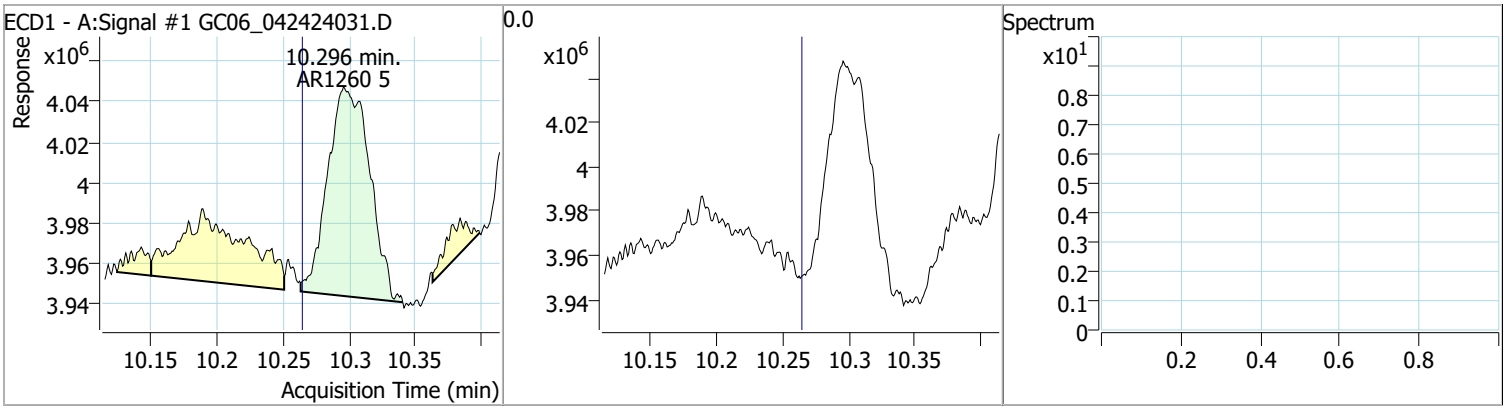
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	315.1627	9.45	-0.02	2124024				



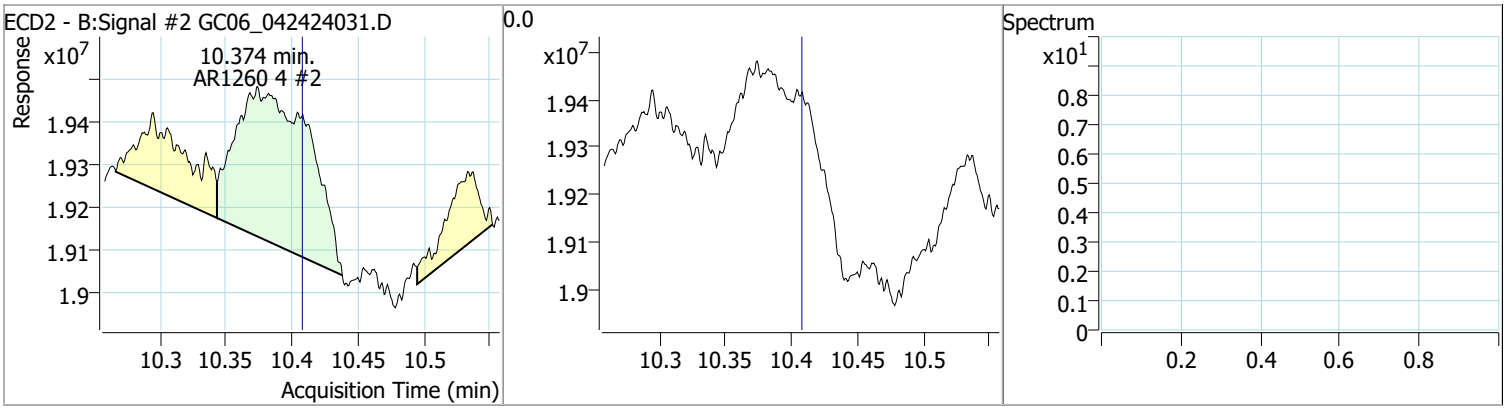
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	13.5716	9.91	-0.03	2359947				



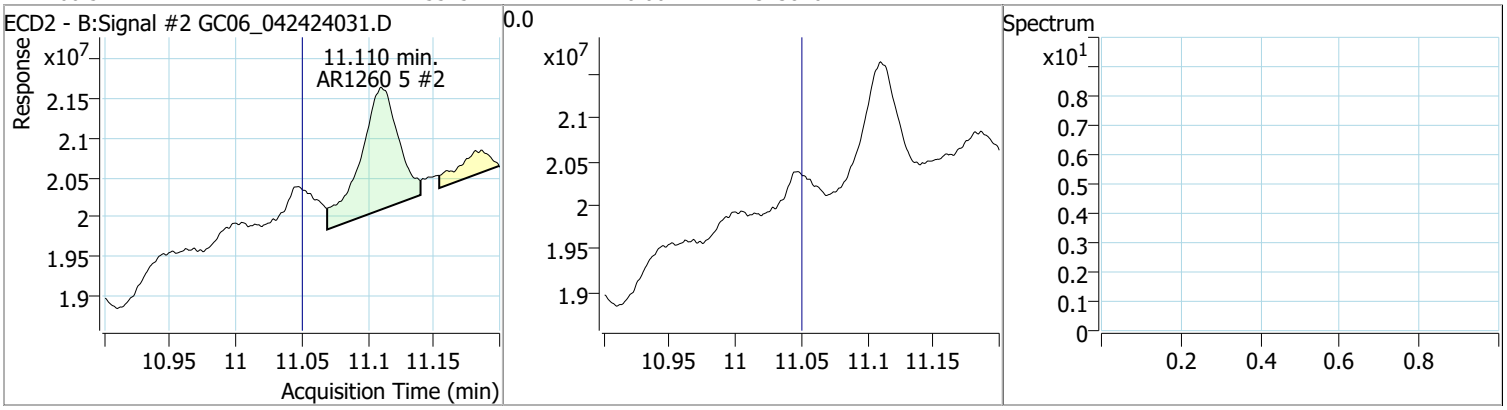
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	30.7704	10.30	0.03	231535				



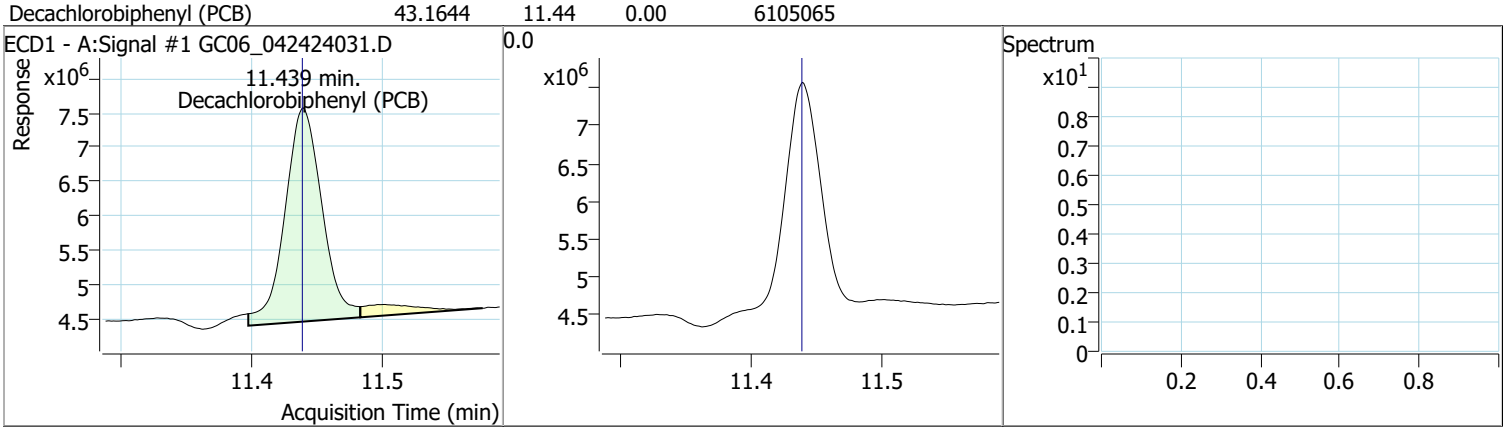
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	13.0850	10.37	-0.03	1414886				



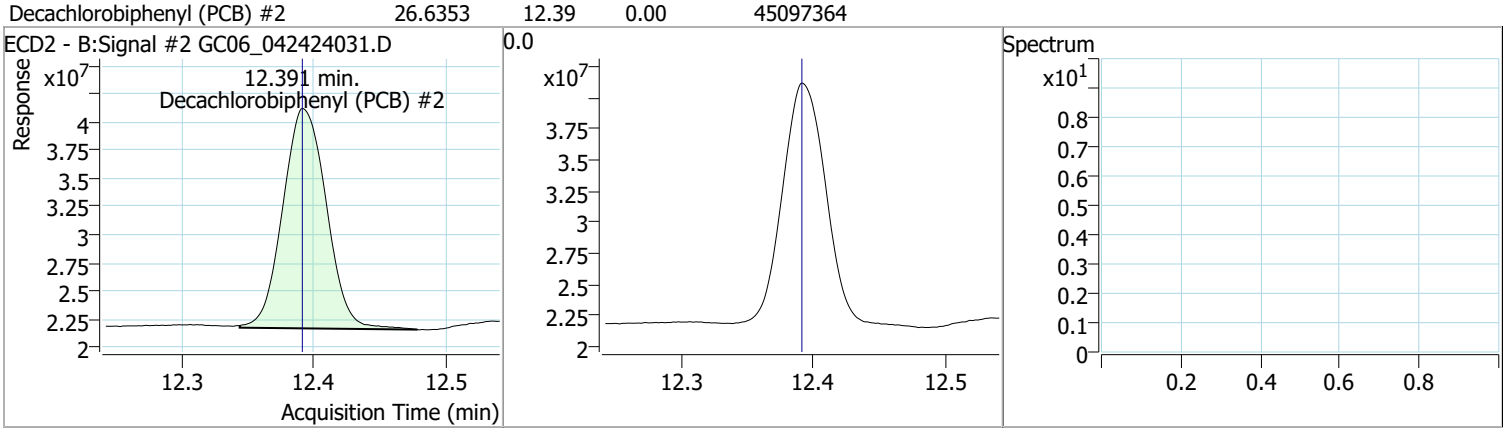
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	21.5575	11.11	0.06	3138762				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	43.1644	11.44	0.00	6105065				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.6353	12.39	0.00	45097364				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	506868-015	Client ID:	AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-P-LA
Seqnum:	454166111032	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_042424032	Batch:	338600	Time:	24-APR-2024 18:18
Cal:	454124679002	Caldate:	26-MAR-2024		
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	Blank	Flags
Aroclor-1016	B	38.40	ND	3.6	161%	0.50		u
Aroclor-1016 Peak # 1	B	99.44	0.99	1.59	46%			
Aroclor-1016 Peak # 2	B	31.80	0.32	0.98	102%			
Aroclor-1016 Peak # 3	B	60.43	0.60	5.35	159%			
Aroclor-1016 Peak # 4	B	0.3168	0.00	8.91	200%			
Aroclor-1016 Peak # 5	B	0	ND	1.10				
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	16.39	ND	1.3	155%	0.50		u
Aroclor-1260 Peak # 1	B	13.80	0.14	2.58	180%			
Aroclor-1260 Peak # 2	B	8.305	0.08	0.05	46%			
Aroclor-1260 Peak # 3	B	13.66	0.14	0.68	133%			
Aroclor-1260 Peak # 4	B	11.88	0.12	2.93	184%			
Aroclor-1260 Peak # 5	B	34.28	0.34	0.20	55%			
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	32.44	0.5000	0.3244	65	19-121	u
Decachlorobiphenyl (PCB)	B	23.52	0.5000	0.2352	47	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	42263011	-7.95
1-bromo-2-nitrobenzene (PCB)	A	3177182	2280491	-28.22

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.83	0.00

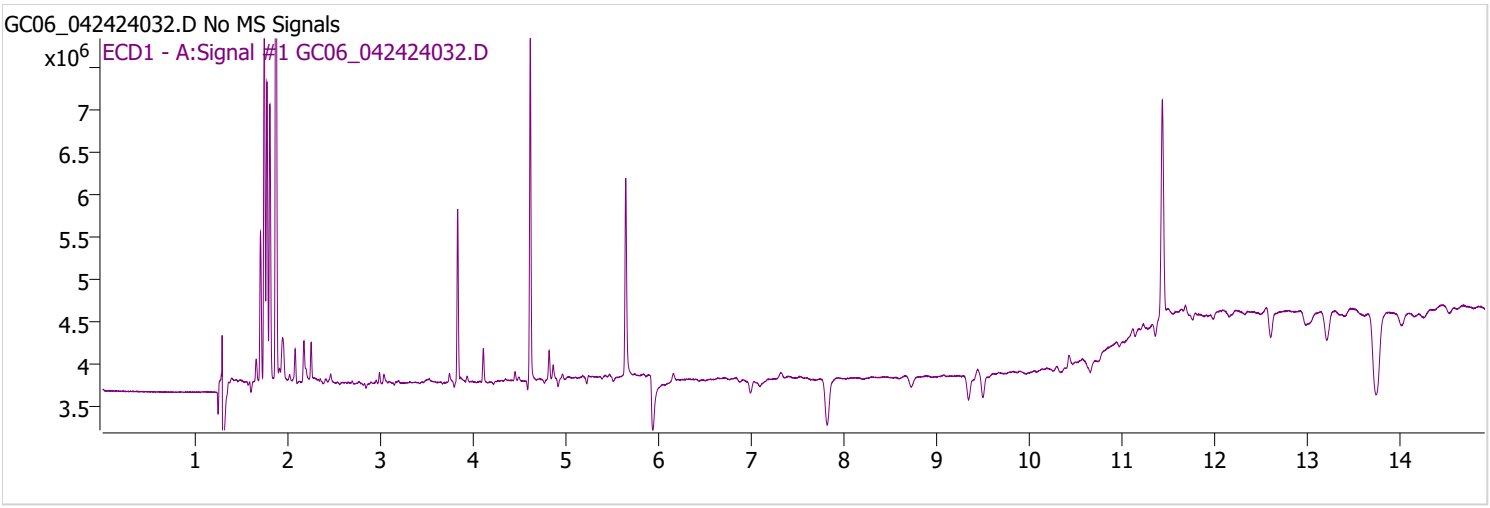
04/26/24 : WIPE/1dm3-10ML

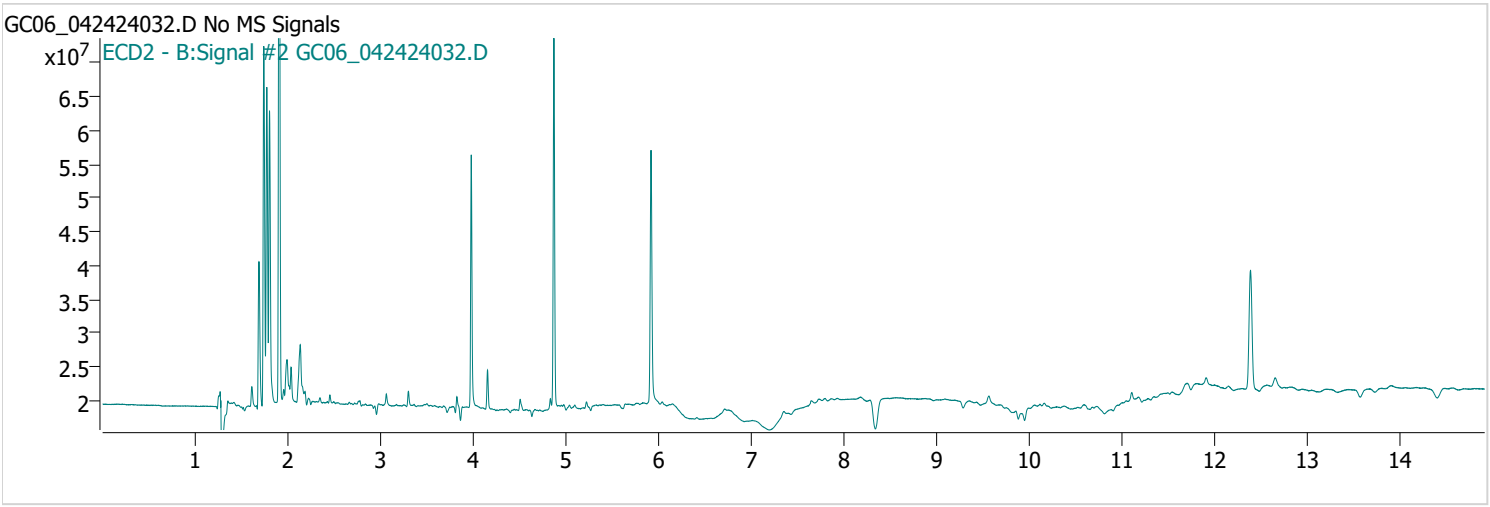
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Analyst: MES 04/26/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424032.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 6:18:51 PM
Sample Name	506868-015, 338600, 1	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



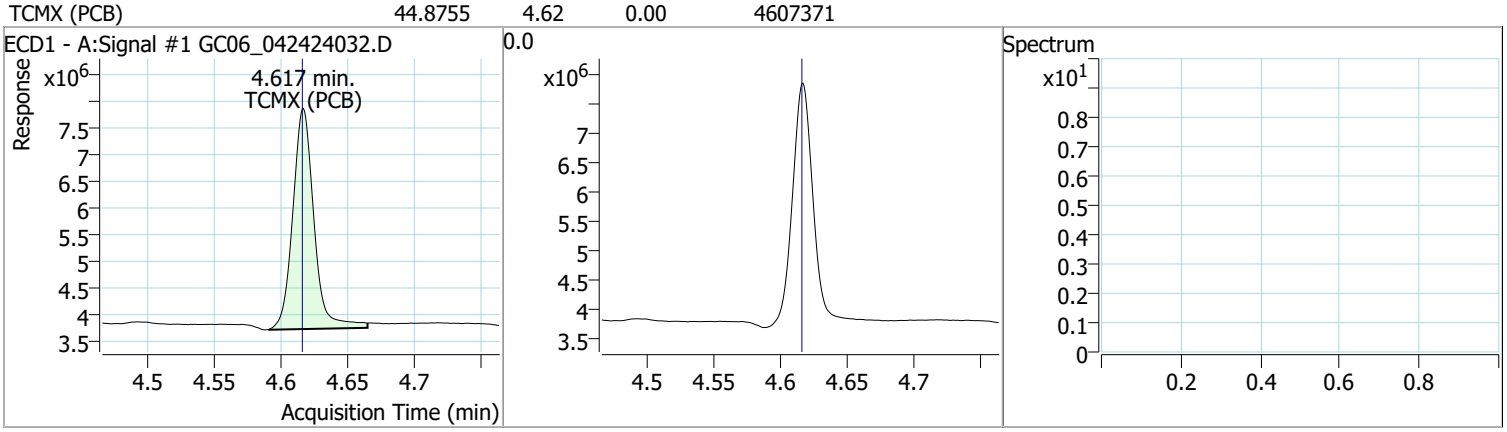


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.833	0.0	2280491.178	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.979	0.0	42263010.737	20.0000	ng/ml		-0.001
System Monitoring Compounds							
S TCMX (PCB)	4.617	0.0	4607371.247	44.8755	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 224.38%		*	
S TCMX (PCB) #2	4.872	0.0	59445992.043	32.4372	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 162.19%		*	
S Decachlorobiphenyl (PCB)	11.439	0.0	5369799.796	39.5540	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 197.77%		*	
S Decachlorobiphenyl (PCB) #2	12.392	0.0	40629490.486	23.5162	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 117.58%			
Target Compounds							QValue

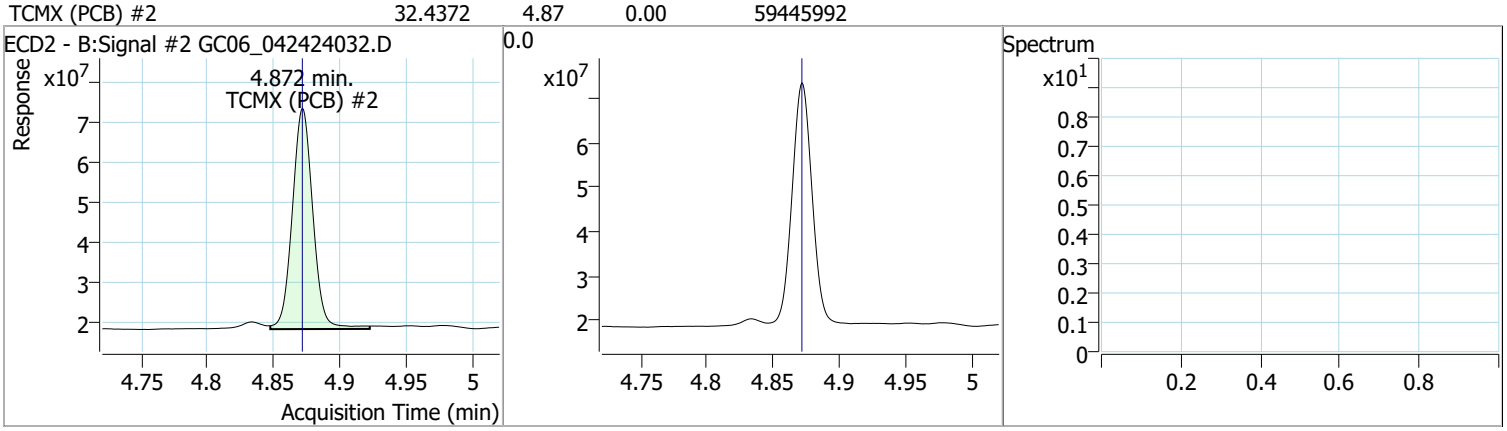
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.963	0.0	389901.191	159.0463	ng/ml	100
T AR1016 2	5.245	0.0	464052.971	98.3256	ng/ml	100
T AR1016 1 #2	5.401	0.0	3883423.995	99.4386	ng/ml	100
T AR1016 3	5.647	0.0	3095410.384	534.6965	ng/ml	100
T AR1016 2 #2	5.643	0.0	2484778.730	31.8033	ng/ml	100
T AR1016 4	5.743	0.0	3642982.358	891.3079	ng/ml	100
T AR1016 3 #2	6.153	0.0	6538915.039	60.4251	ng/ml	100
T AR1016 5	6.159	0.0	375717.992	109.7204	ng/ml	100
T AR1016 4 #2	6.368	0.0	22661.184	0.3168	ng/ml	100
T AR1016 5 #2	0.000		0	N.D.		
T AR1260 1	7.749	0.0	1797454.266	257.7170	ng/ml	100
T AR1260 2	8.300	0.0	55492.577	5.2009	ng/ml	100
T AR1260 3	8.899	0.0	766591.271	68.1688	ng/ml	100
T AR1260 1 #2	9.092	0.0	1632730.890	13.8026	ng/ml	100
T AR1260 2 #2	9.432	0.0	1195120.002	8.3055	ng/ml	100
T AR1260 4	9.444	0.0	1893497.549	292.7096	ng/ml	100
T AR1260 3 #2	9.913	0.0	2424262.285	13.6625	ng/ml	100
T AR1260 5	10.304	0.0	141103.441	19.5367	ng/ml	100
T AR1260 4 #2	10.383	0.0	1310782.866	11.8796	ng/ml	100
T AR1260 5 #2	11.110	0.0	5093398.070	34.2822	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

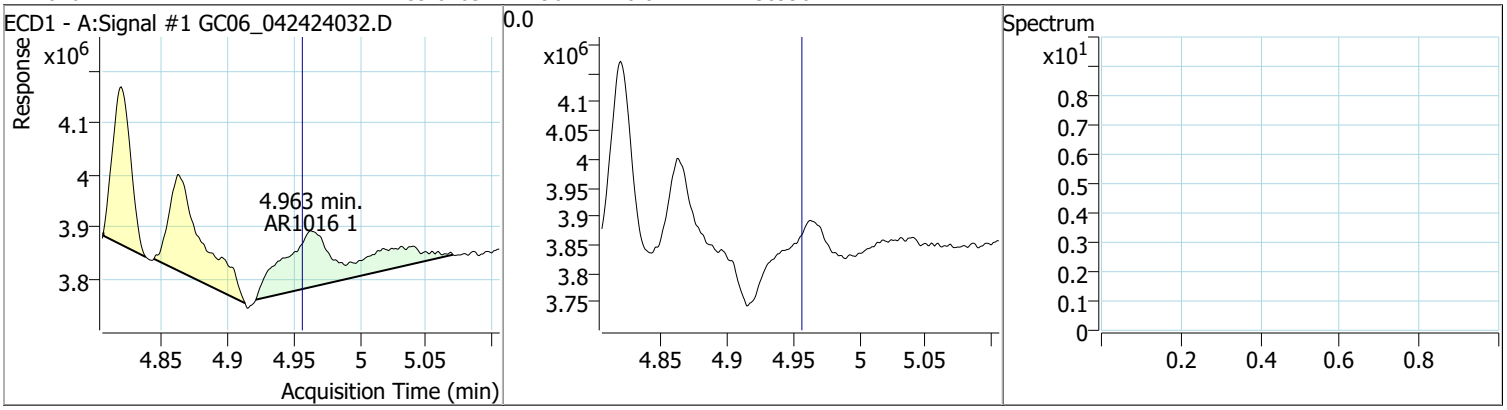
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	44.8755	4.62	0.00	4607371				



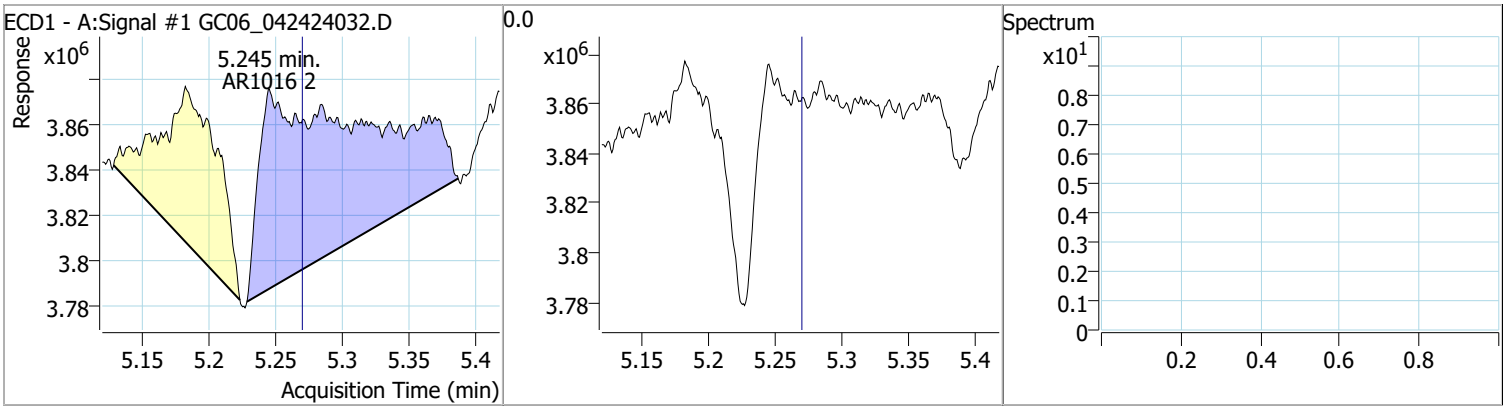
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	32.4372	4.87	0.00	59445992				



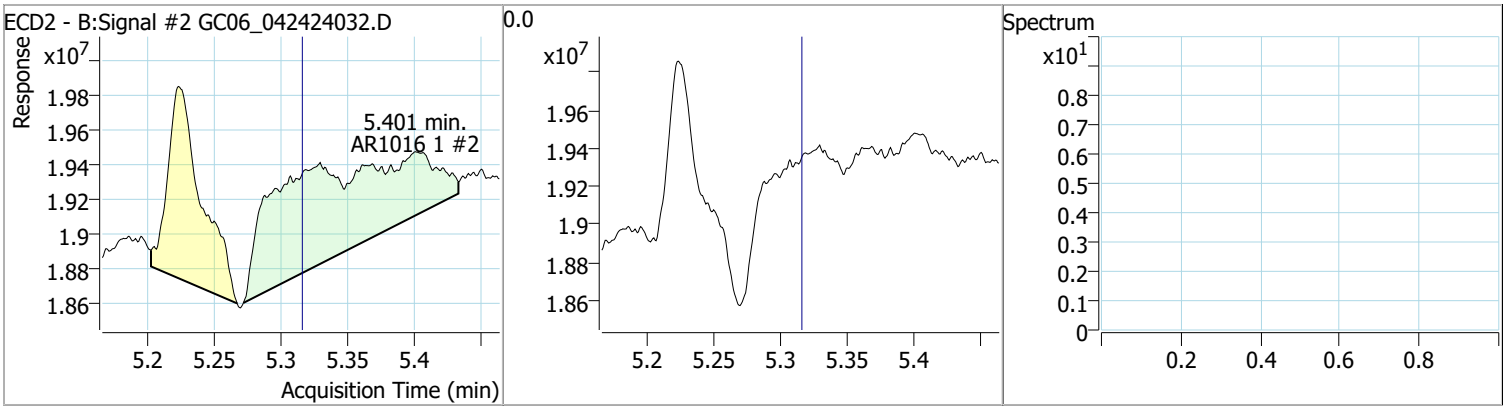
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	159.0463	4.96	0.01	389901				



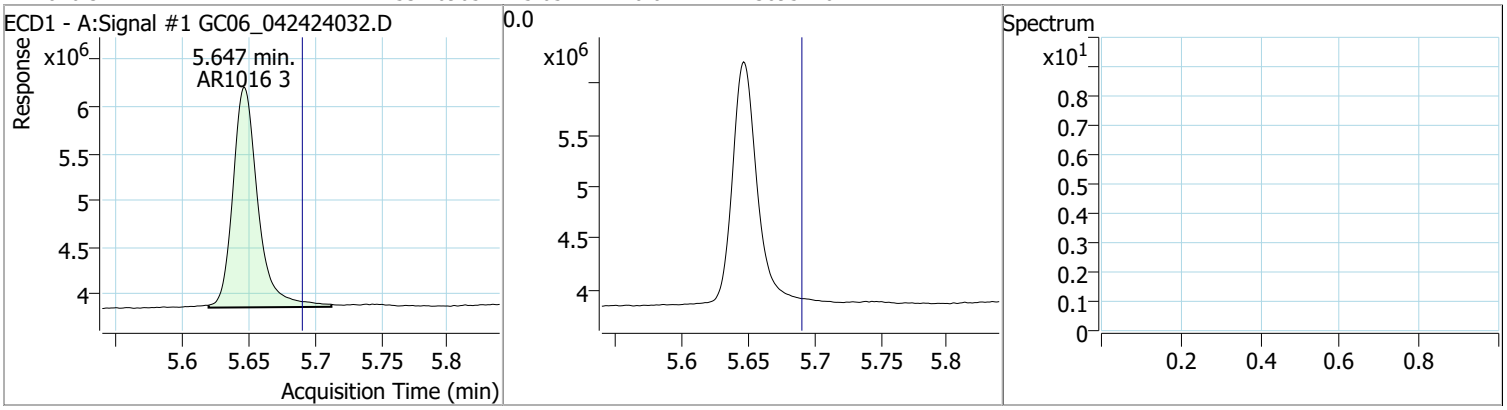
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	98.3256	5.25	-0.02	464053				



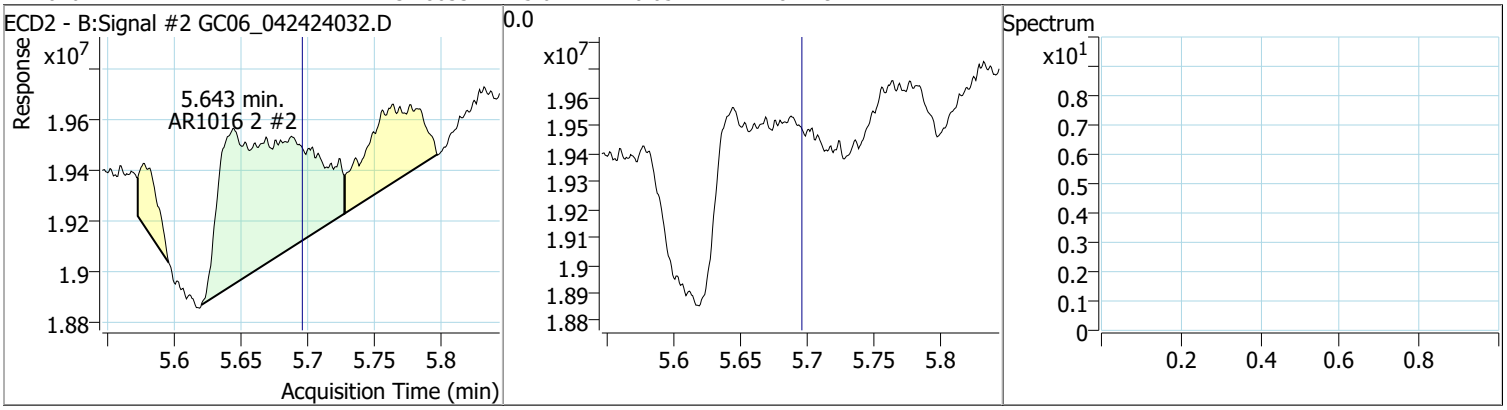
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	99.4386	5.40	0.09	3883424				



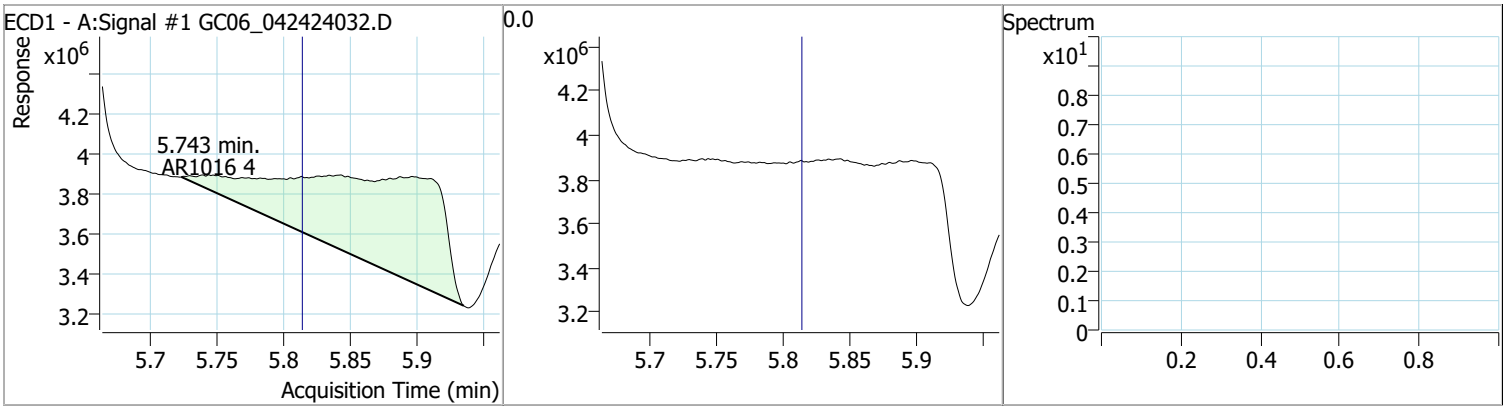
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	534.6965	5.65	-0.04	3095410				



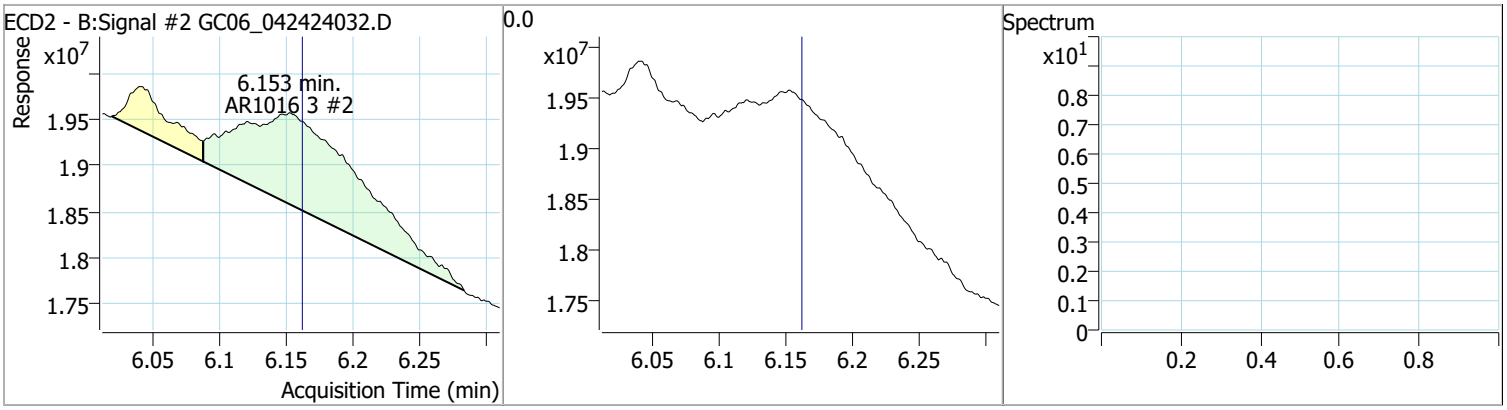
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	31.8033	5.64	-0.05	2484779				



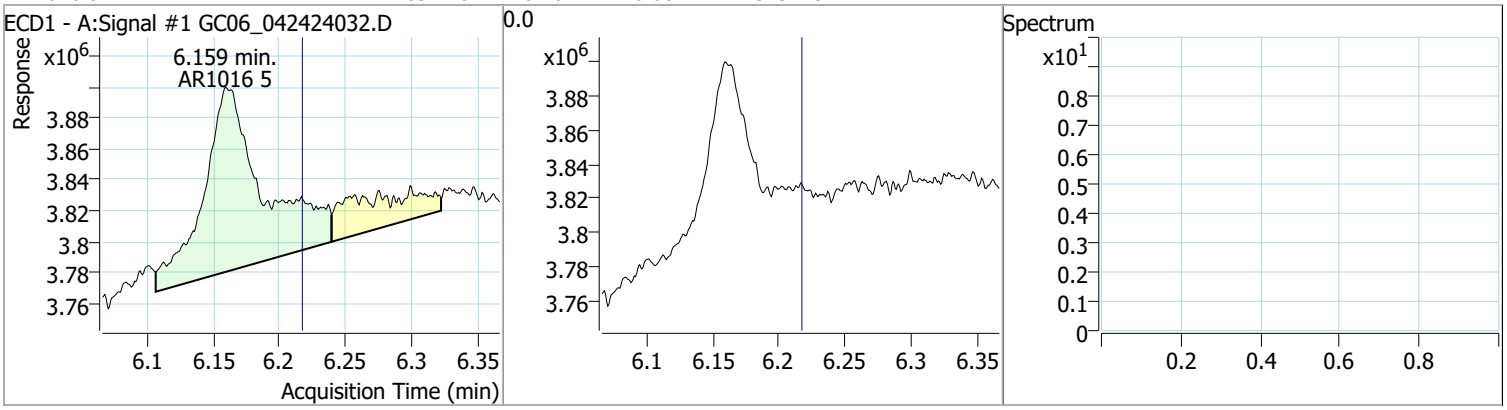
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	891.3079	5.74	-0.07	3642982				



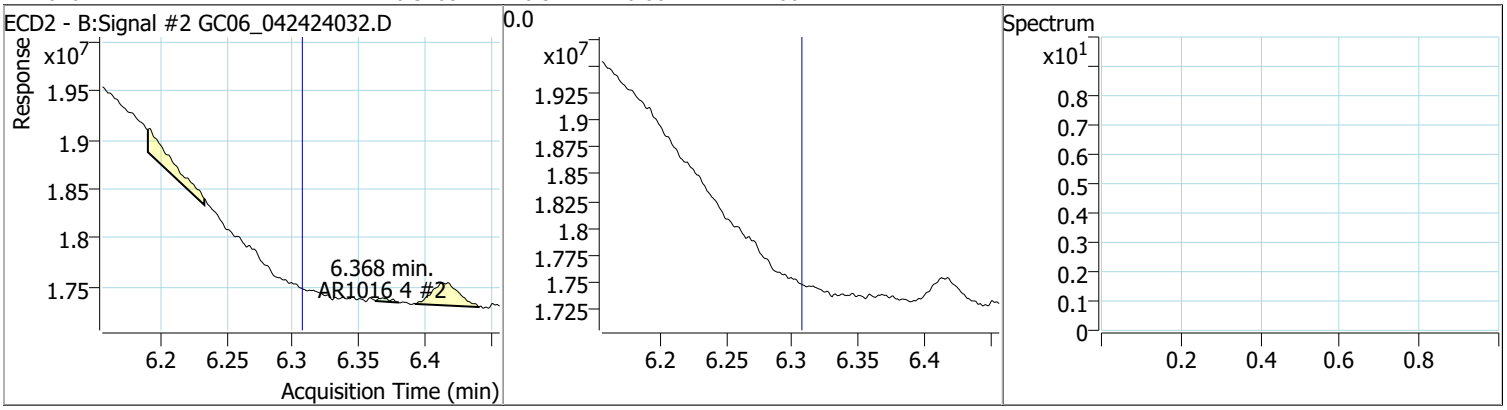
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	60.4251	6.15	-0.01	6538915				



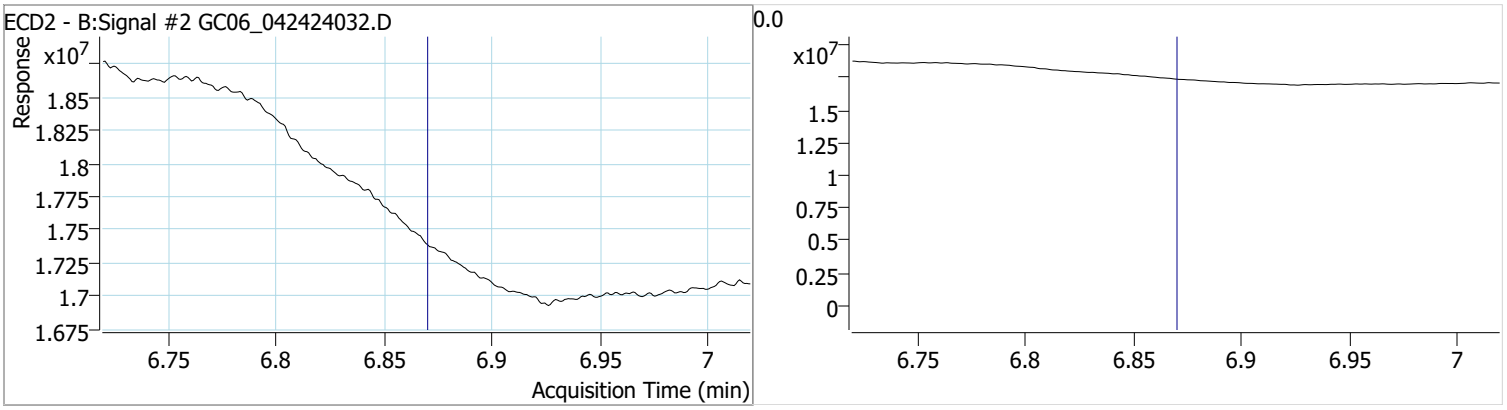
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	109.7204	6.16	-0.06	375718				



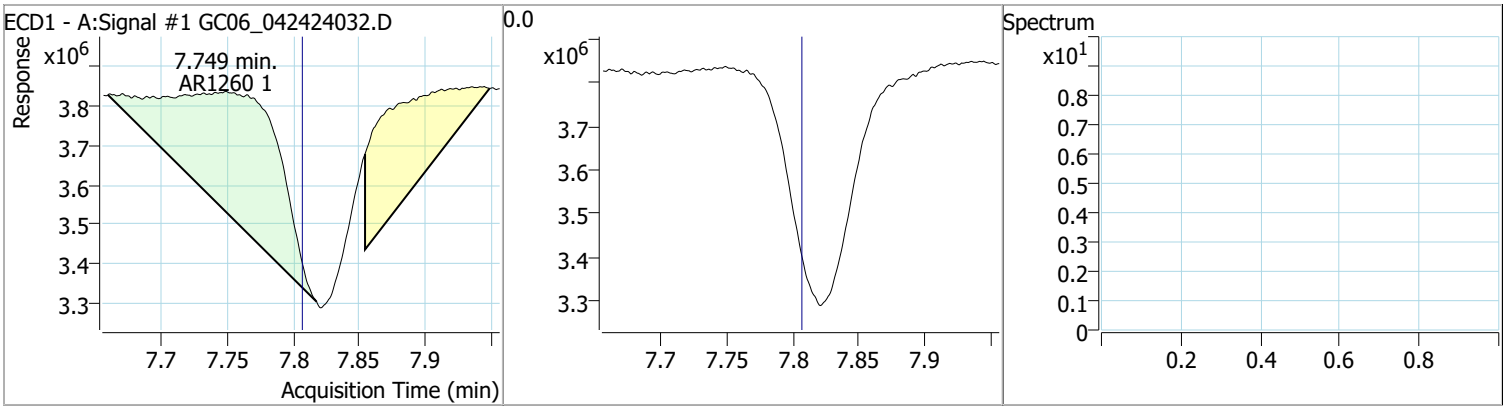
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.3168	6.37	0.06	22661				



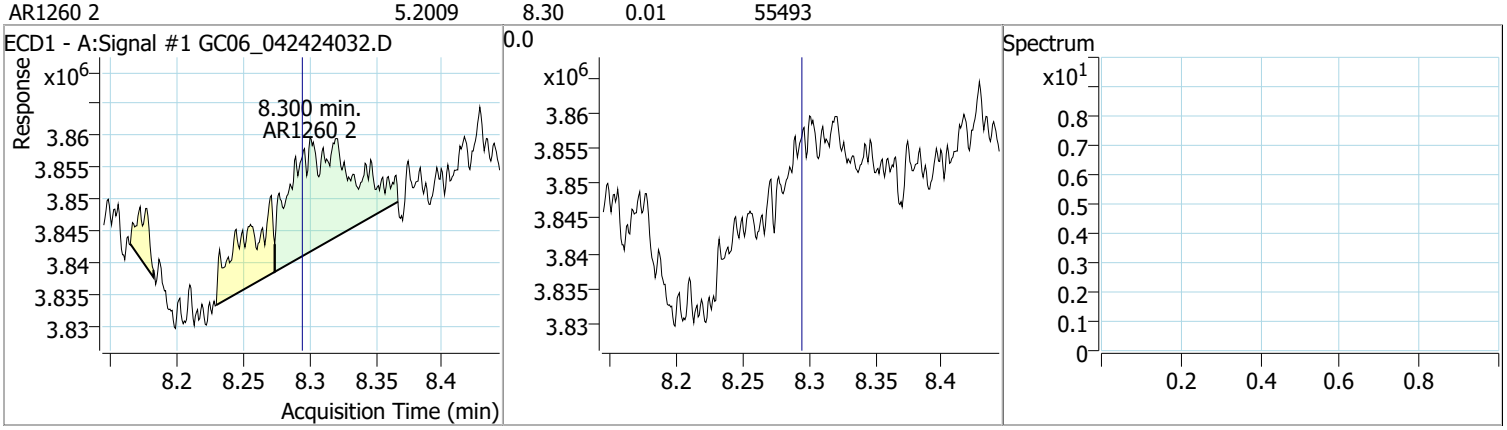
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 5 #2	N.D.	6.87		



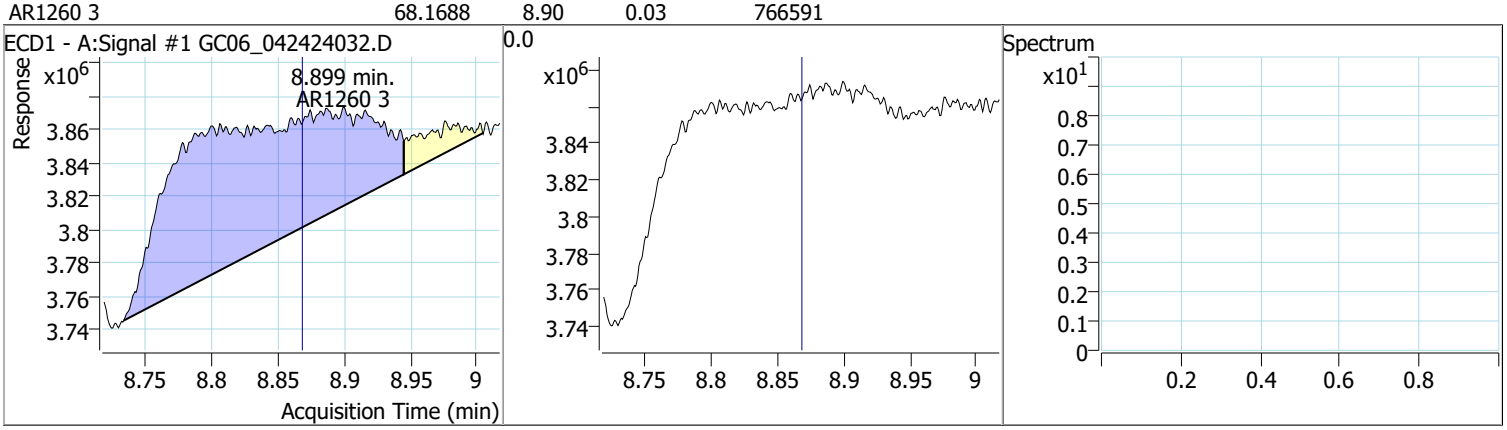
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	257.7170	7.75	-0.06	1797454				



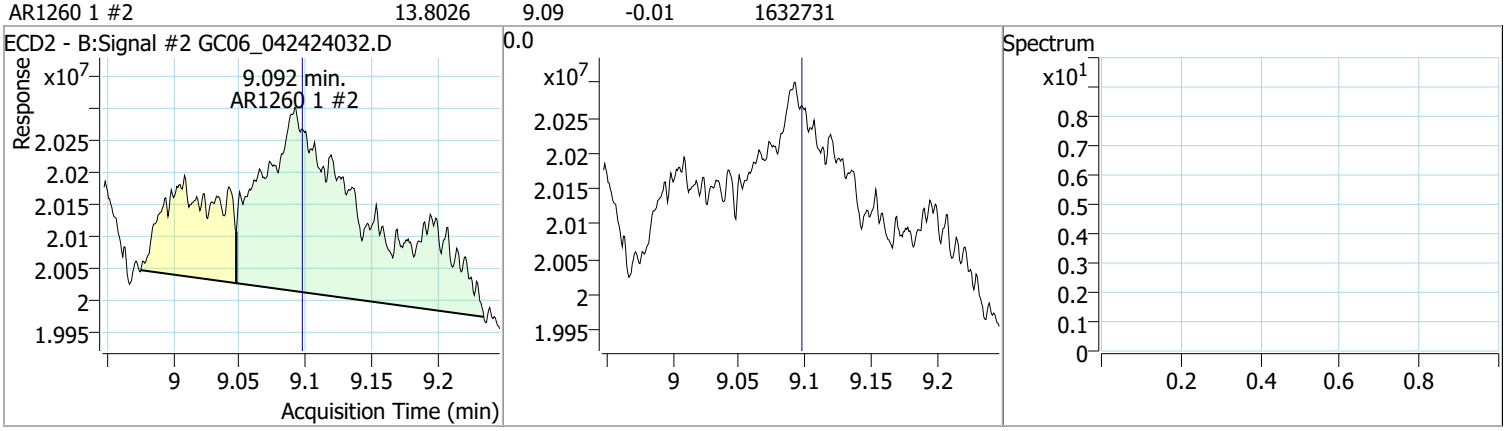
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	5.2009	8.30	0.01	55493				



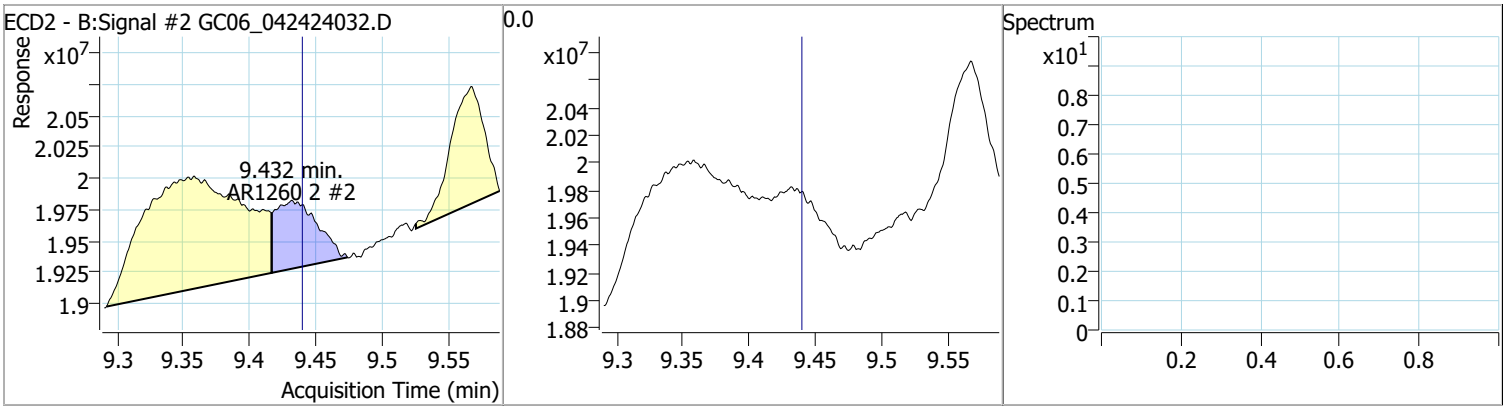
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	68.1688	8.90	0.03	766591				



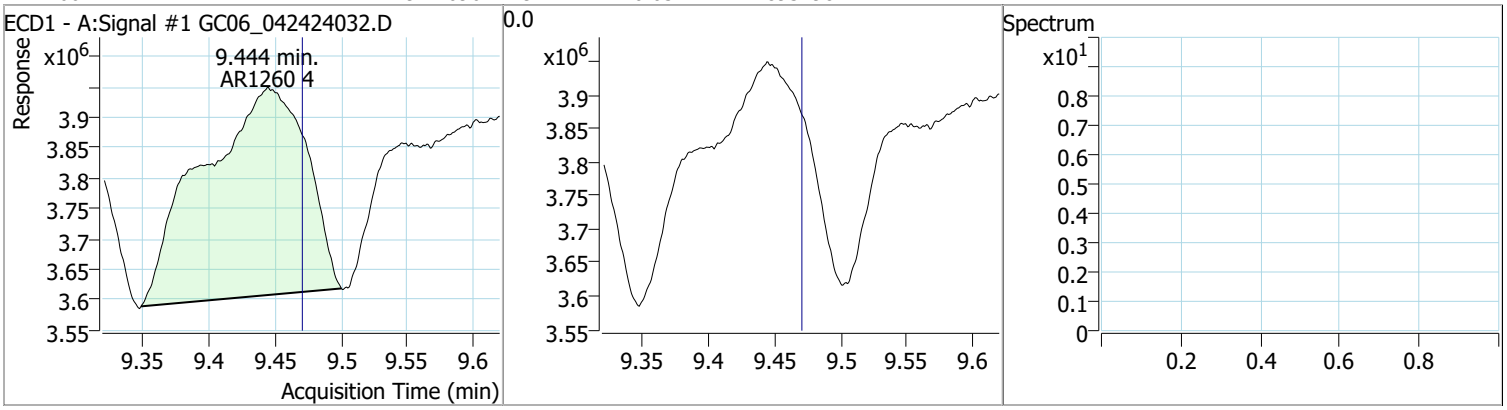
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	13.8026	9.09	-0.01	1632731				



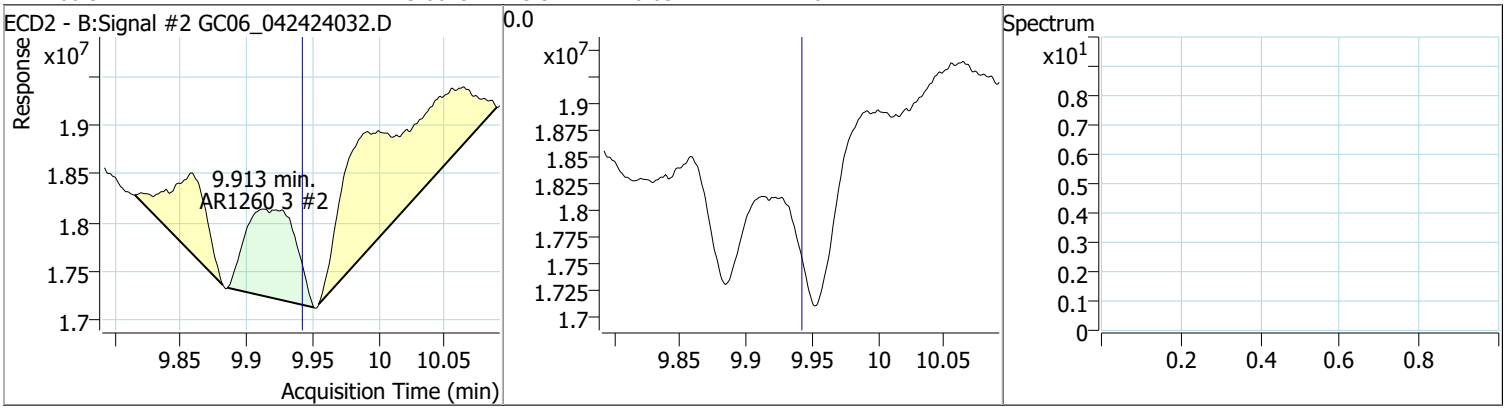
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	8.3055	9.43	-0.01	1195120				



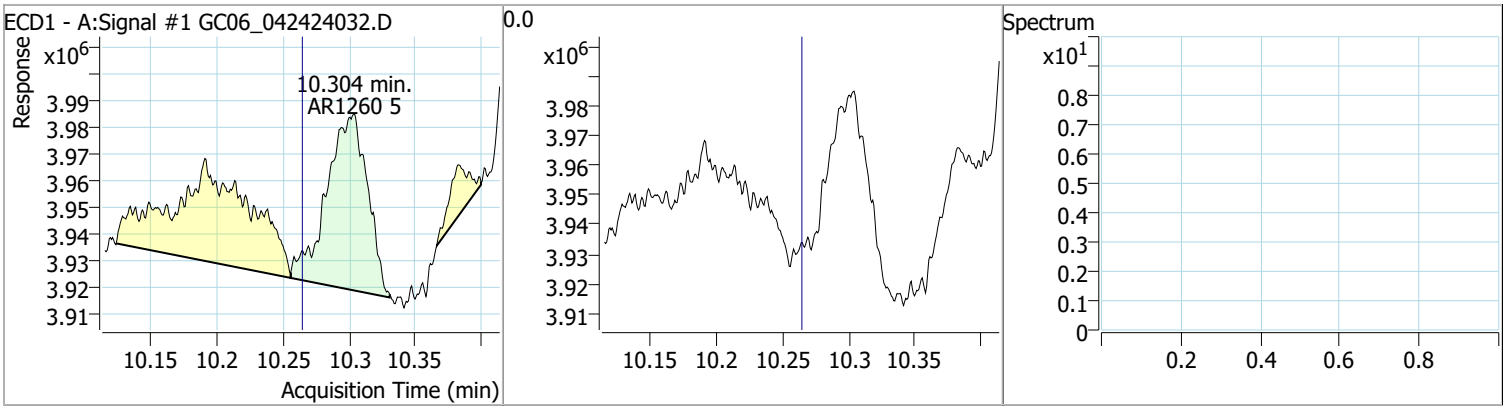
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	292.7096	9.44	-0.03	1893498				



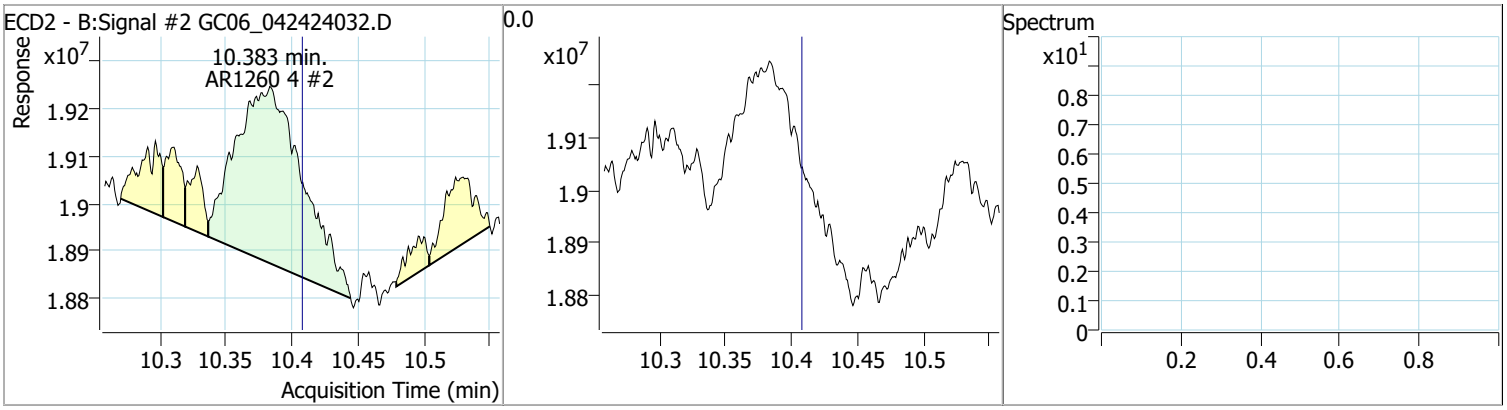
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	13.6625	9.91	-0.03	2424262				



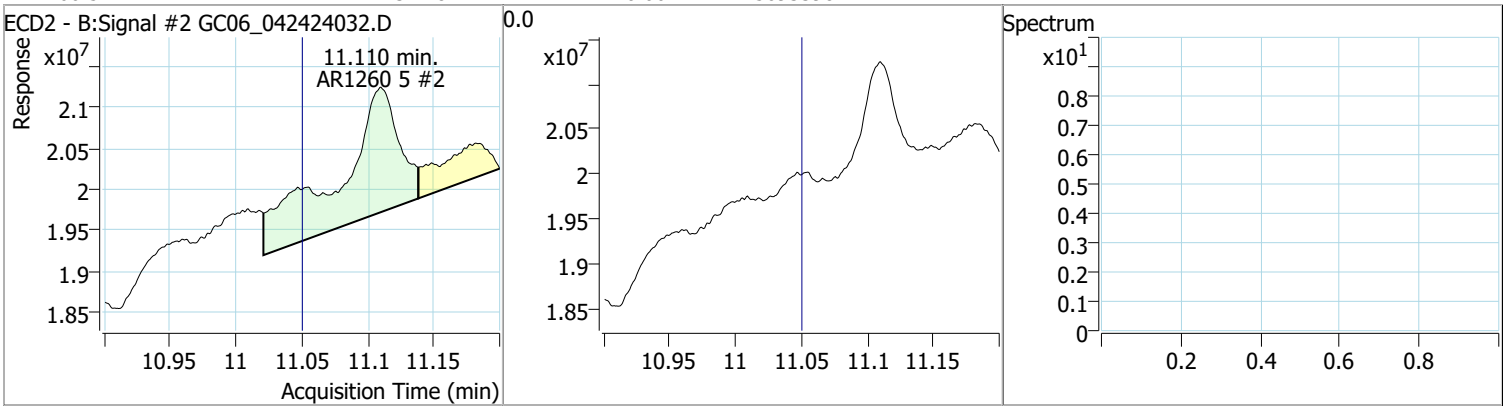
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	19.5367	10.30	0.04	141103				



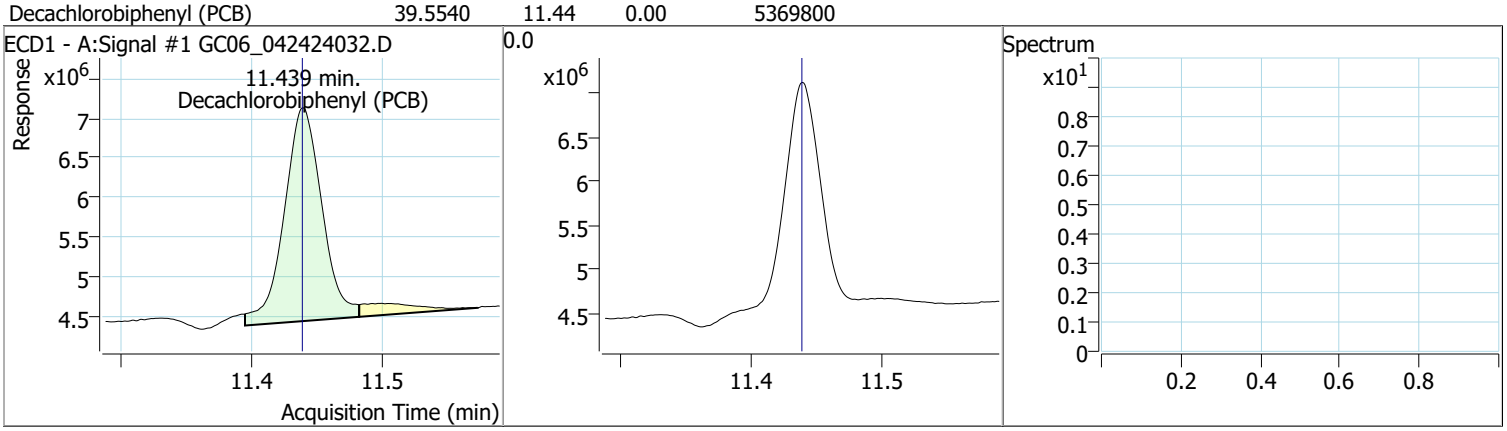
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	11.8796	10.38	-0.03	1310783				



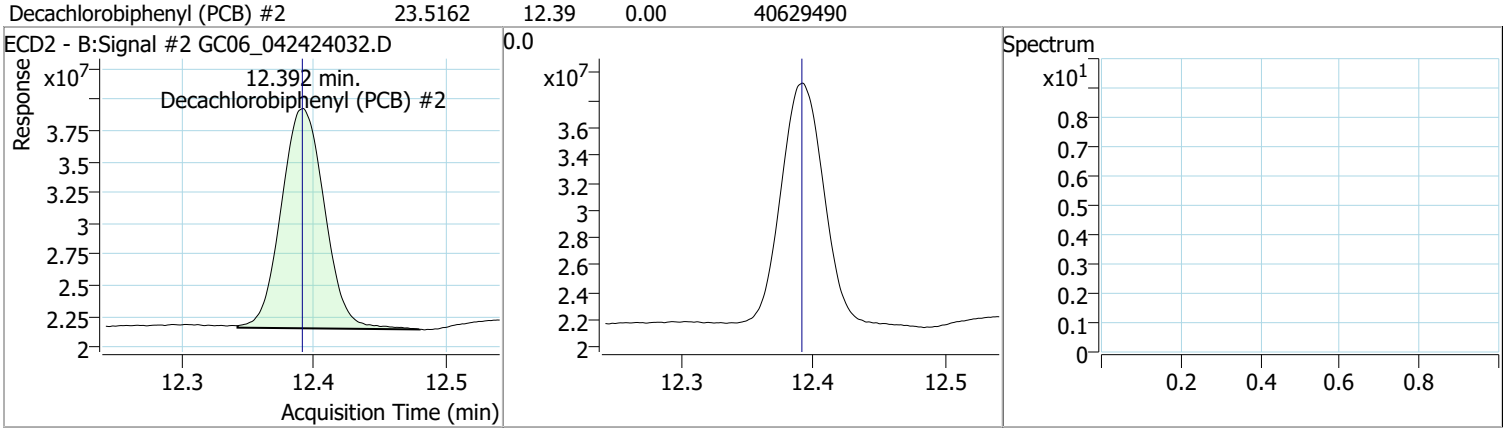
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	34.2822	11.11	0.06	5093398				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.5540	11.44	0.00	5369800				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.5162	12.39	0.00	40629490				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	506868-017	Client ID:	AFRAME-C14E-MED-L2-HS-1-240422-P-G
Seqnum:	454166111033	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_042424033	Batch:	338600	Time:	24-APR-2024 18:39
Cal:	454124679002	Caldate:	26-MAR-2024		
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	Blank	Flags
Aroclor-1016	B	46.78	ND	1.4	99%	0.50		u
Aroclor-1016 Peak # 1	B	118.5	1.19	1.55	27%			
Aroclor-1016 Peak # 2	B	35.36	0.35	0.22	46%			
Aroclor-1016 Peak # 3	B	70.88	0.71	4.91	150%			
Aroclor-1016 Peak # 4	B	9.133	0.09	ND				
Aroclor-1016 Peak # 5	B	0	ND	0.21				
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	24.03	ND	1.4	142%	0.50		u
Aroclor-1260 Peak # 1	B	19.87	0.20	2.74	173%			
Aroclor-1260 Peak # 2	B	37.80	0.38	0.06	147%			
Aroclor-1260 Peak # 3	B	14.07	0.14	0.85	143%			
Aroclor-1260 Peak # 4	B	11.42	0.11	3.18	186%			
Aroclor-1260 Peak # 5	B	36.99	0.37	0.24	43%			
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	35.88	0.5000	0.3588	72	19-121	u
Decachlorobiphenyl (PCB)	B	26.80	0.5000	0.2680	54	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	40517942	-11.75
1-bromo-2-nitrobenzene (PCB)	A	3177182	2239167	-29.52

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.83	0.00

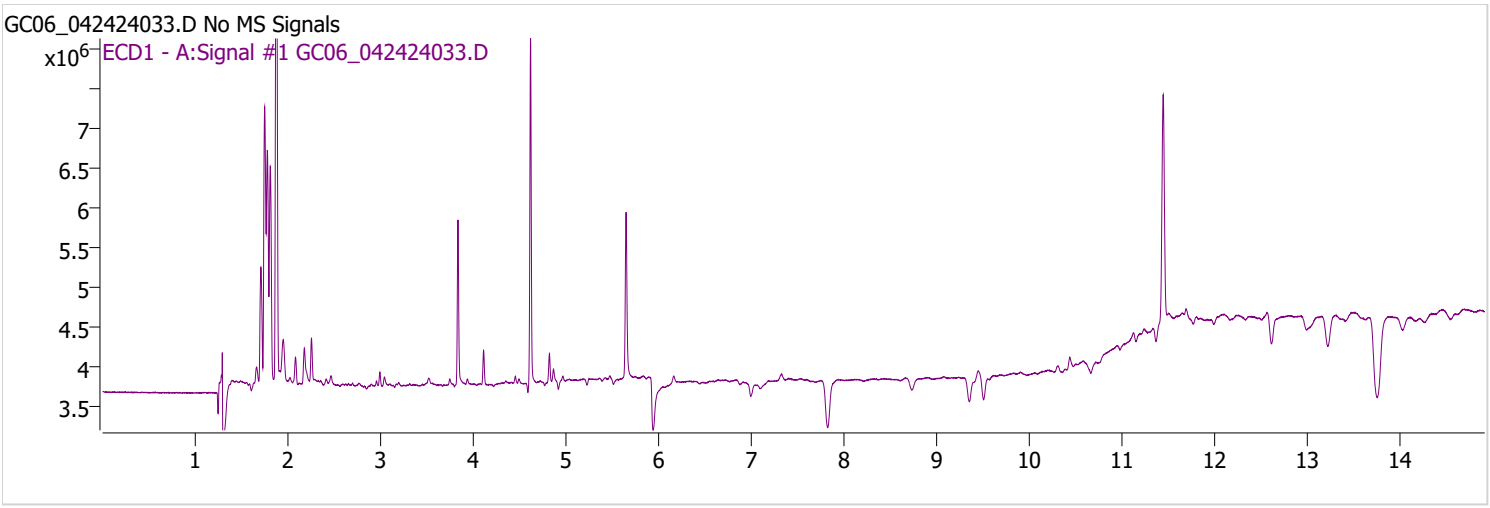
04/26/24 : WIPE/1dm3-10ML

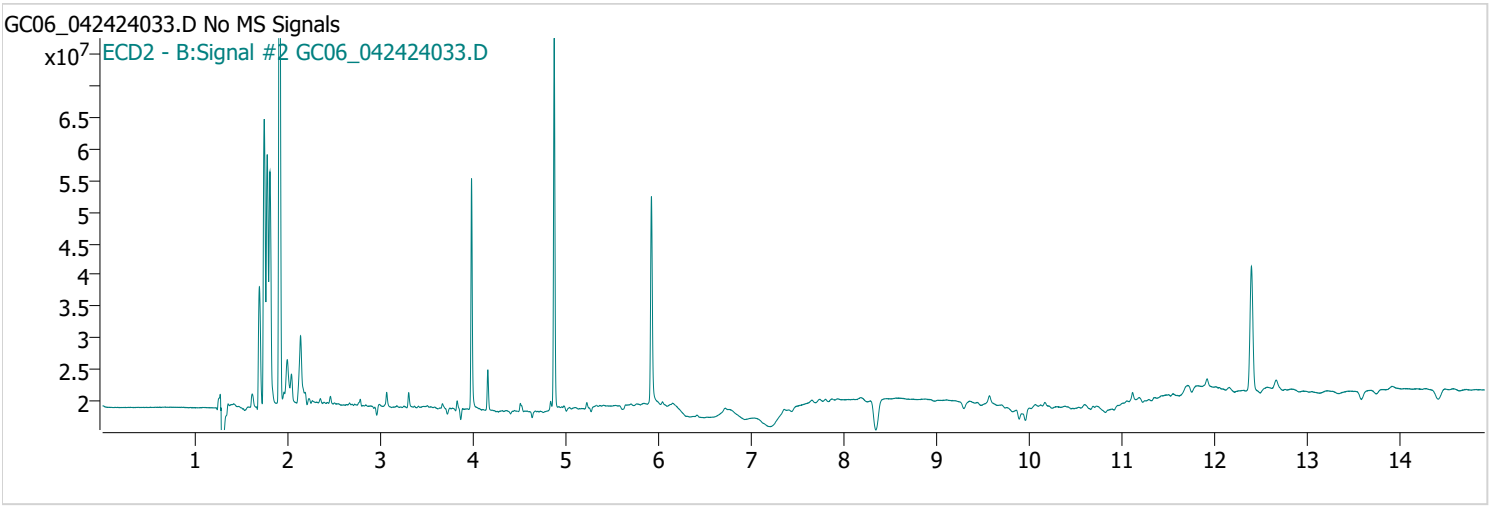
u=use

Analyst: MES 04/26/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424033.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 6:39:55 PM
Sample Name	506868-017, 338600, 1	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



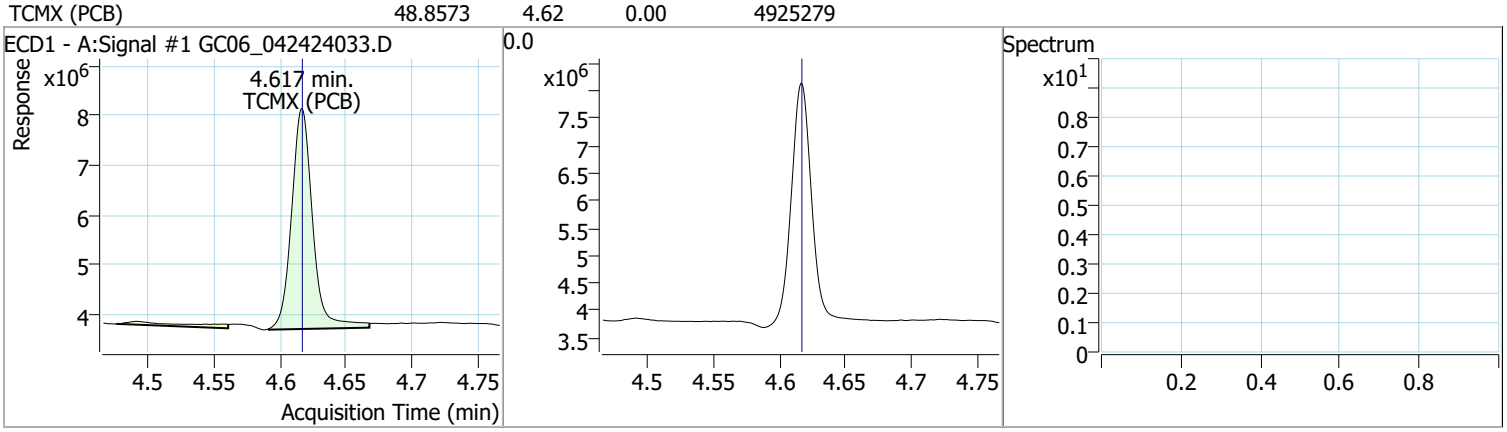


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.833	0.0	2239166.698	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.980	0.0	40517941.603	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.617	0.0	4925279.060	48.8573	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 244.29%		*	
S TCMX (PCB) #2	4.872	0.0	63039695.754	35.8796	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 179.40%		*	
S Decachlorobiphenyl (PCB)	11.440	0.0	5938586.697	44.5510	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 222.75%		*	
S Decachlorobiphenyl (PCB) #2	12.392	0.0	44388278.074	26.7983	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 133.99%			
Target Compounds							QValue

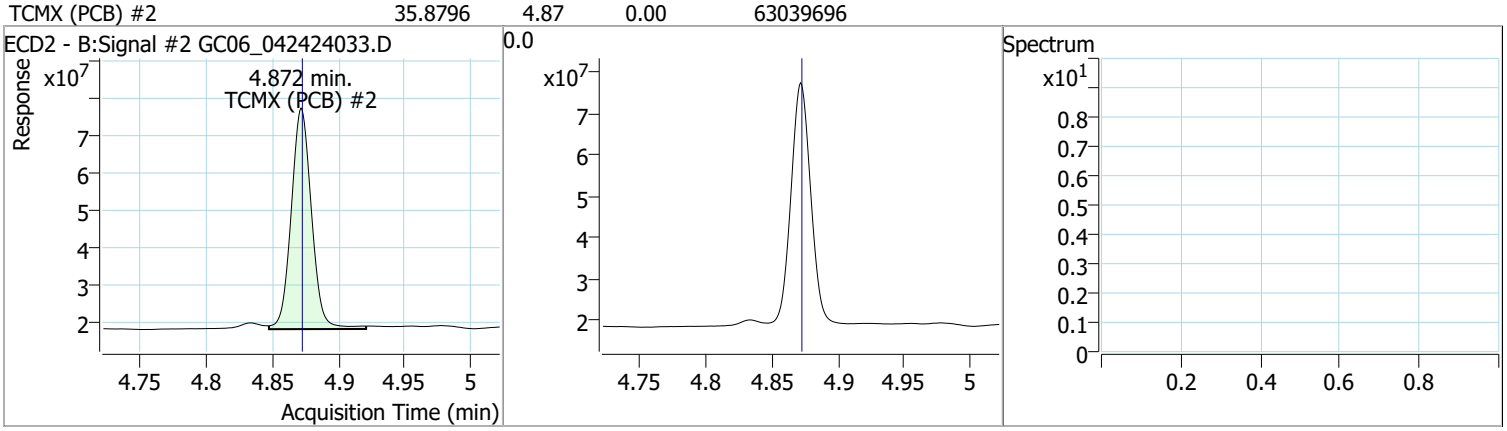
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.965	0.0	374164.033	155.4437	ng/ml	100
T AR1016 2	5.261	0.0	103039.177	22.2353	ng/ml	100
T AR1016 1 #2	5.403	0.0	4437226.943	118.5127	ng/ml	100
T AR1016 3	5.647	0.0	2789690.117	490.7802	ng/ml	100
T AR1016 2 #2	5.701	0.0	2648534.592	35.3592	ng/ml	100
T AR1016 4	0.000		0	N.D.		
T AR1016 3 #2	6.149	0.0	7353362.243	70.8779	ng/ml	100
T AR1016 5	6.203	0.0	71629.680	21.3040	ng/ml	100
T AR1016 4 #2	6.412	0.0	626305.759	9.1327	ng/ml	100
T AR1016 5 #2	0.000		0	N.D.		
T AR1260 1	7.748	0.0	1875990.104	273.9414	ng/ml	100
T AR1260 2	8.310	0.0	60805.267	5.8040	ng/ml	100
T AR1260 3	8.895	0.0	936676.315	84.8308	ng/ml	100
T AR1260 1 #2	9.102	0.0	2253345.770	19.8695	ng/ml	100
T AR1260 2 #2	9.356	0.0	5214574.606	37.7993	ng/ml	100
T AR1260 4	9.445	0.0	2017237.871	317.5933	ng/ml	100
T AR1260 3 #2	9.912	0.0	2393936.850	14.0726	ng/ml	100
T AR1260 5	10.304	0.0	169233.651	23.8639	ng/ml	100
T AR1260 4 #2	10.385	0.0	1208016.328	11.4198	ng/ml	100
T AR1260 5 #2	11.109	0.0	5269383.560	36.9943	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

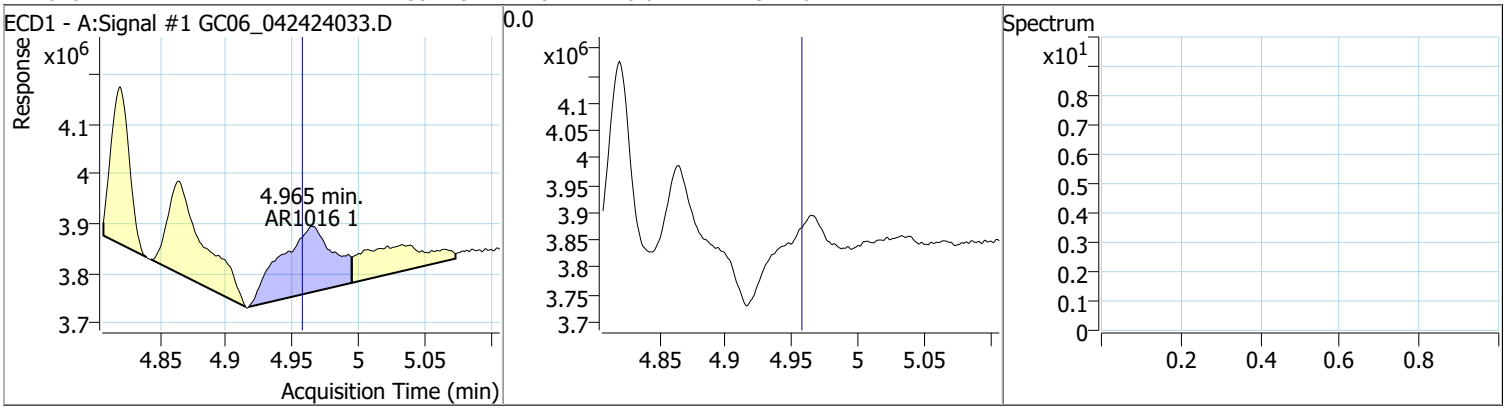
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	48.8573	4.62	0.00	4925279				



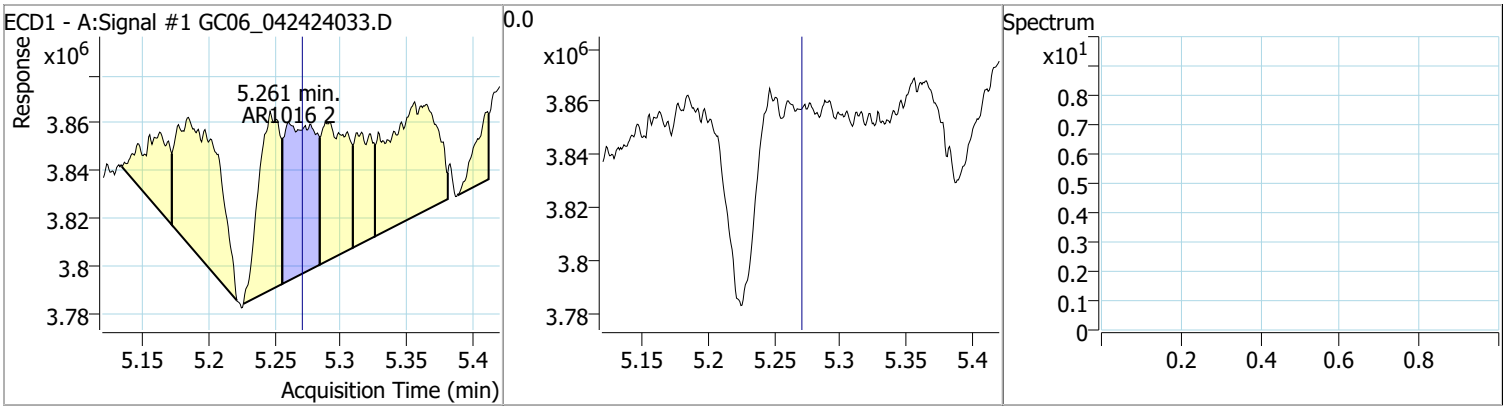
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	35.8796	4.87	0.00	63039696				



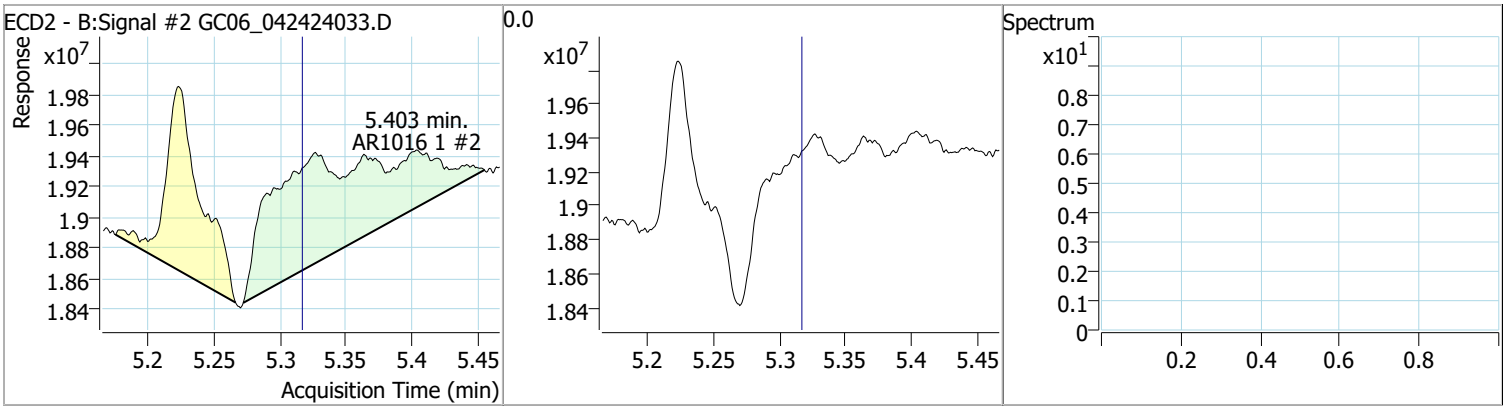
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	155.4437	4.97	0.01	374164				



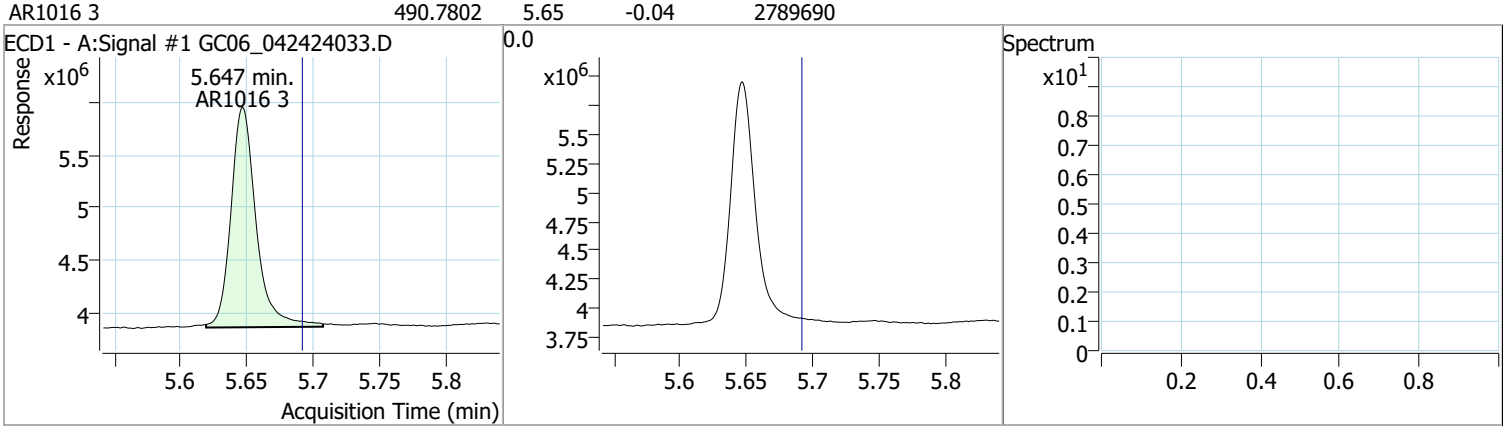
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	22.2353	5.26	-0.01	103039				



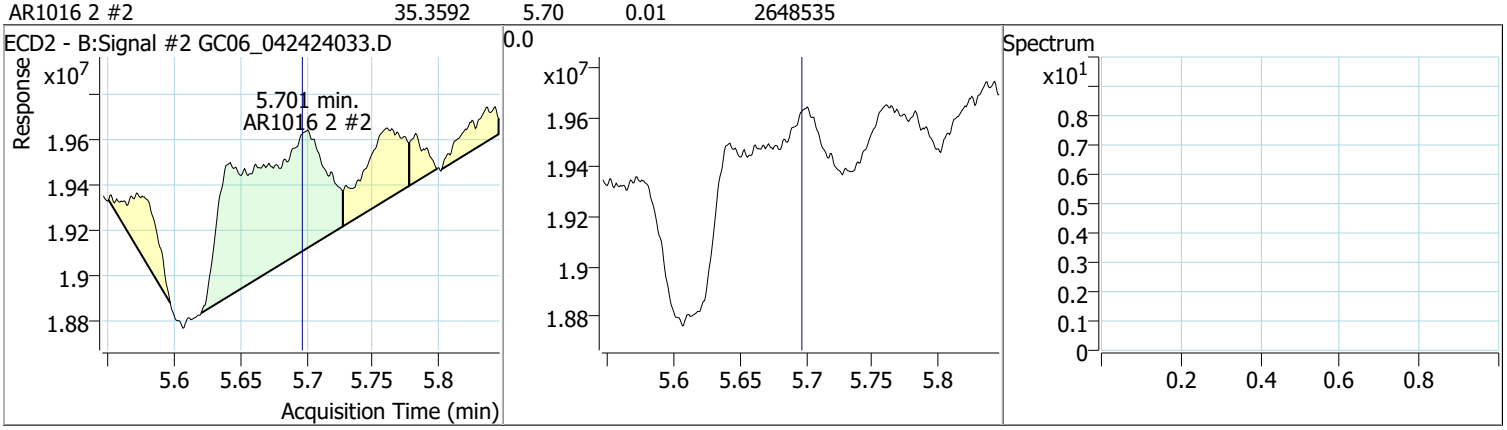
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	118.5127	5.40	0.09	4437227				



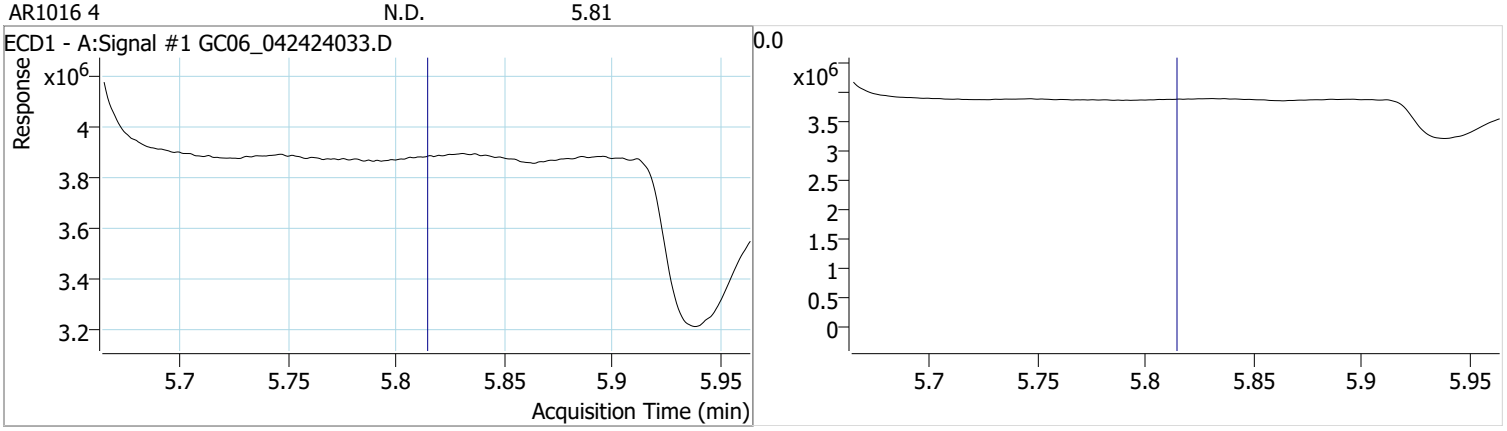
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	490.7802	5.65	-0.04	2789690				



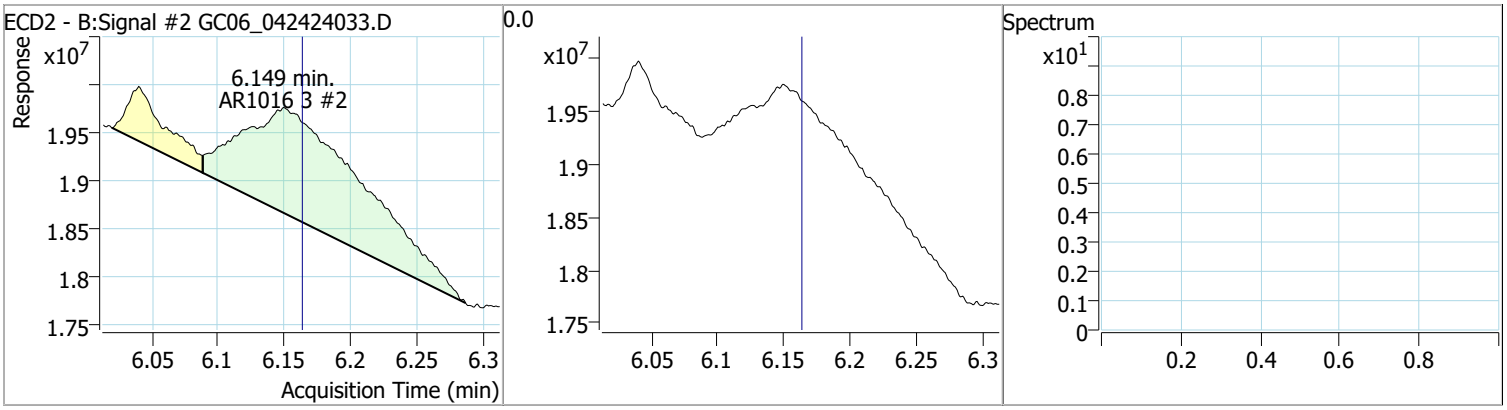
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	35.3592	5.70	0.01	2648535				



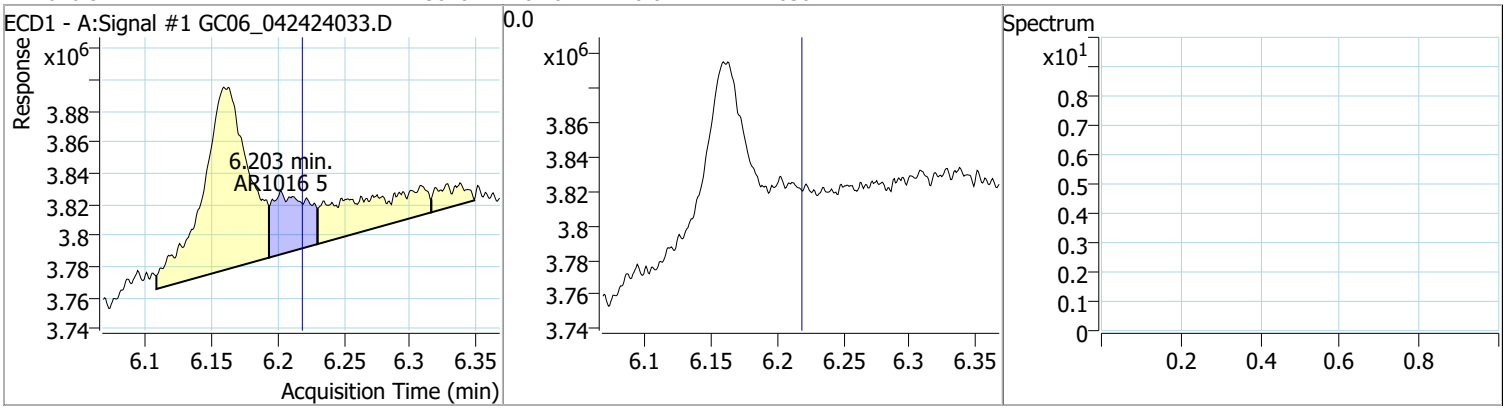
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 4	N.D.	5.81		



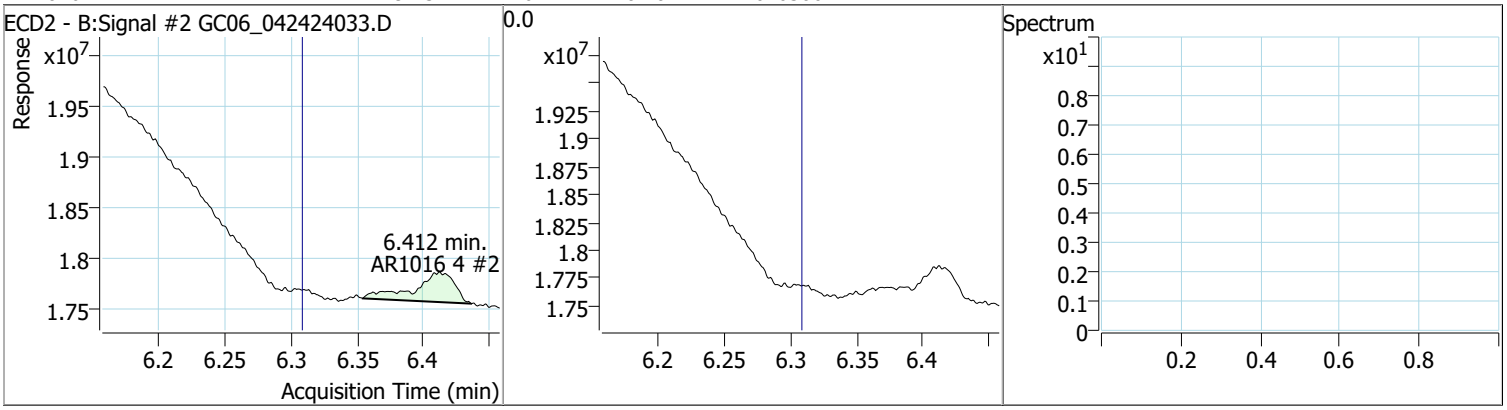
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AR1016 3 #2	70.8779	6.15	-0.01	7353362				



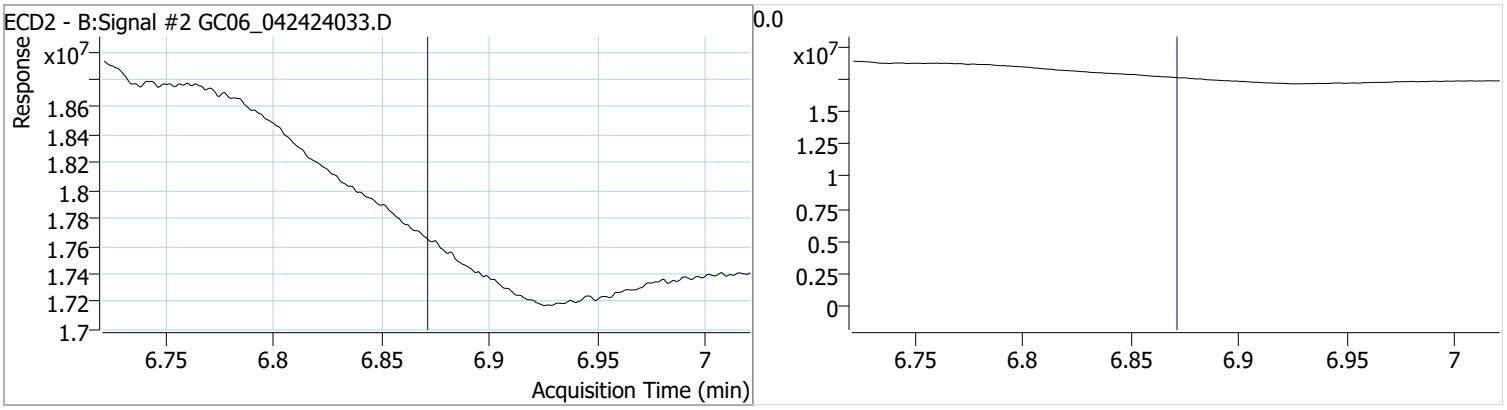
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.3040	6.20	-0.01	71630				



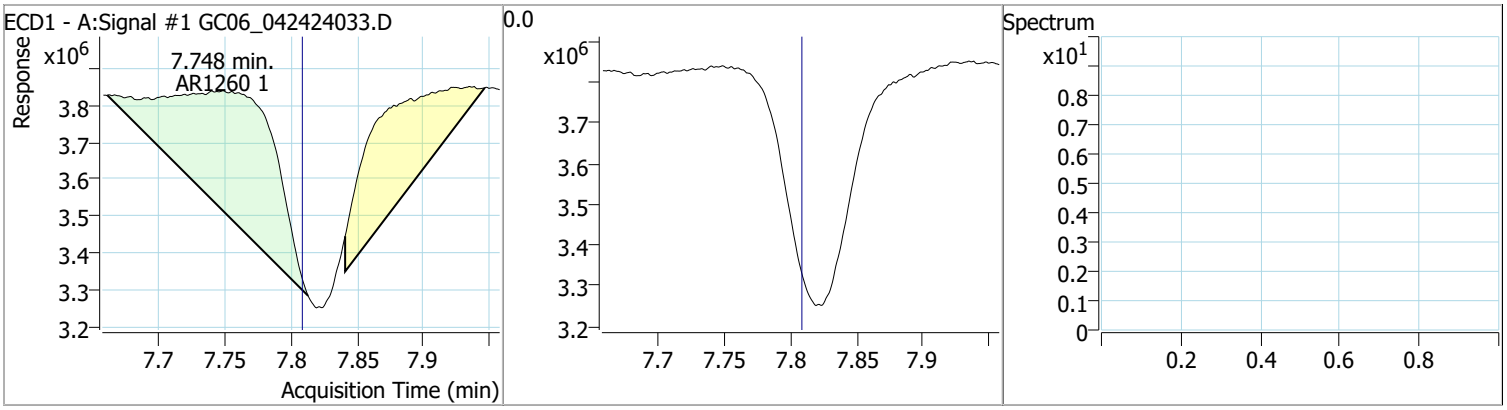
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	9.1327	6.41	0.10	626306				



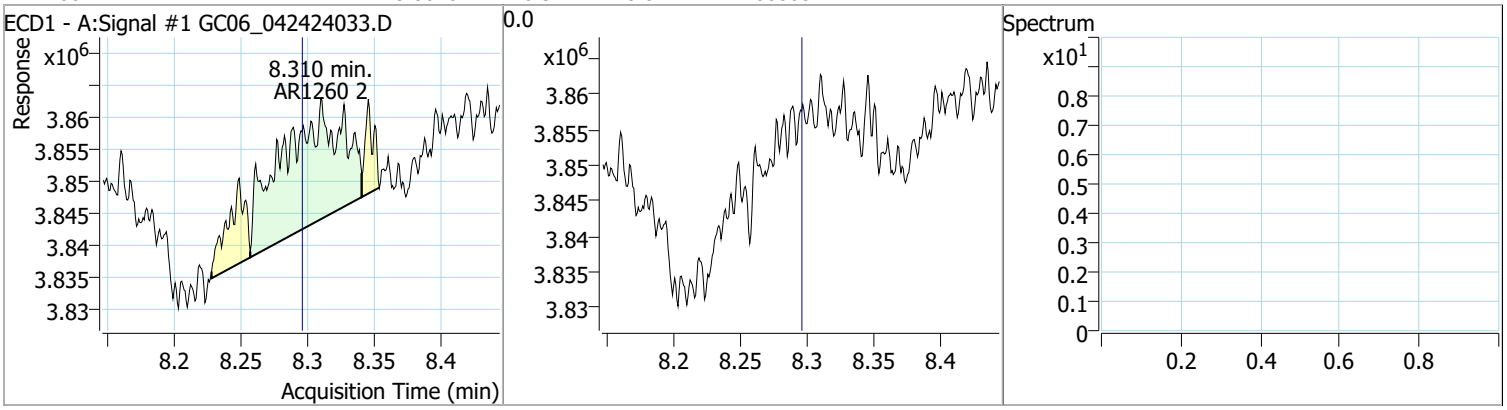
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 5 #2	N.D.	6.87		



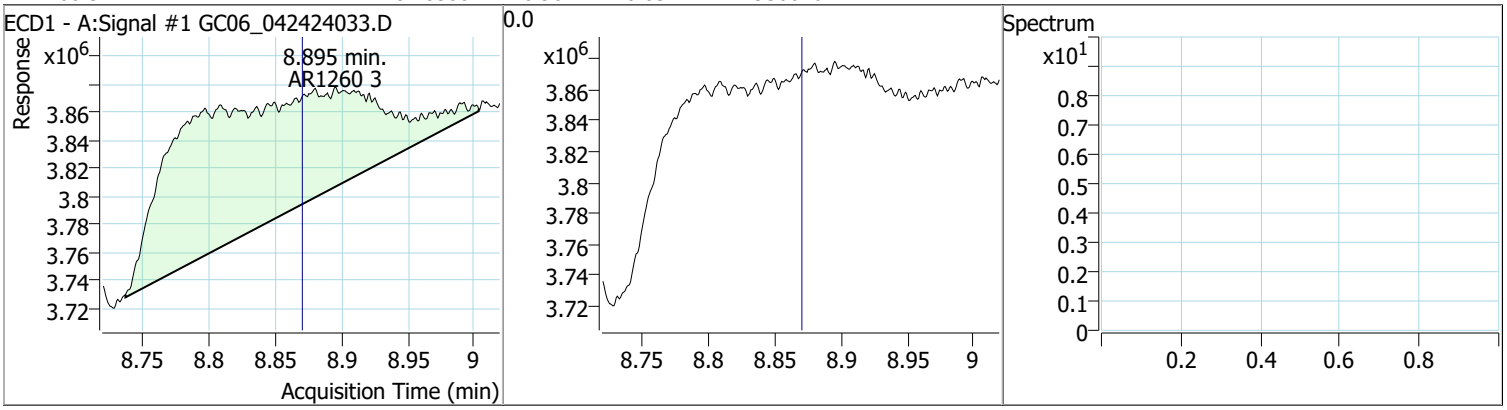
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	273.9414	7.75	-0.06	1875990				



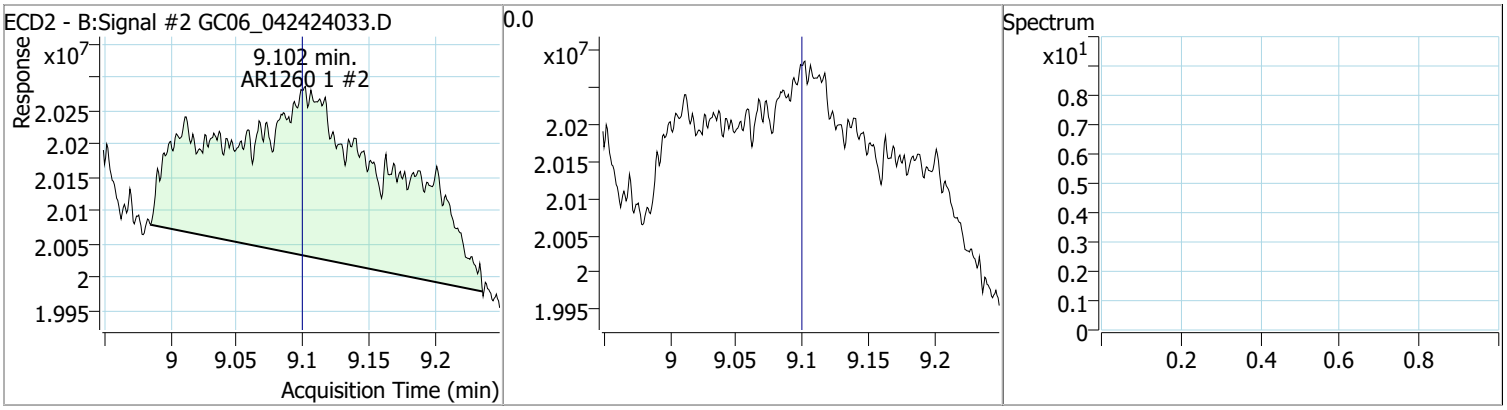
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	5.8040	8.31	0.02	60805				



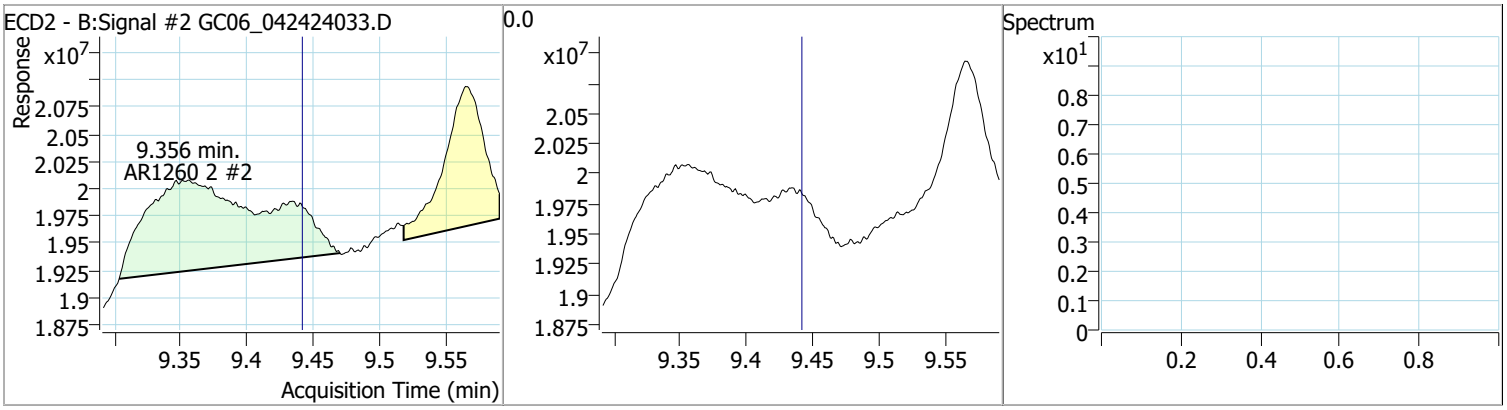
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	84.8308	8.90	0.03	936676				



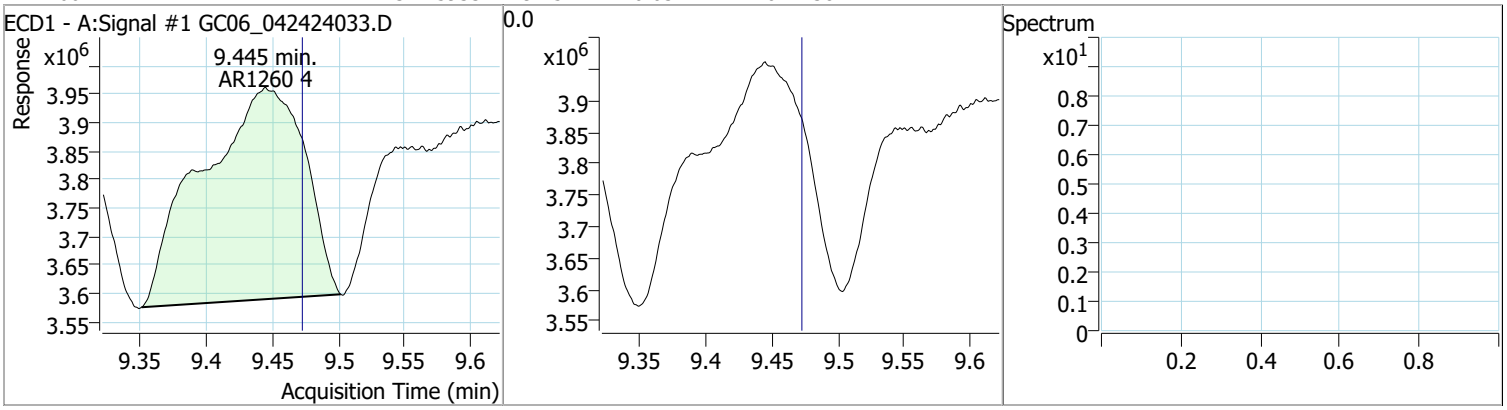
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	19.8695	9.10	0.00	2253346				



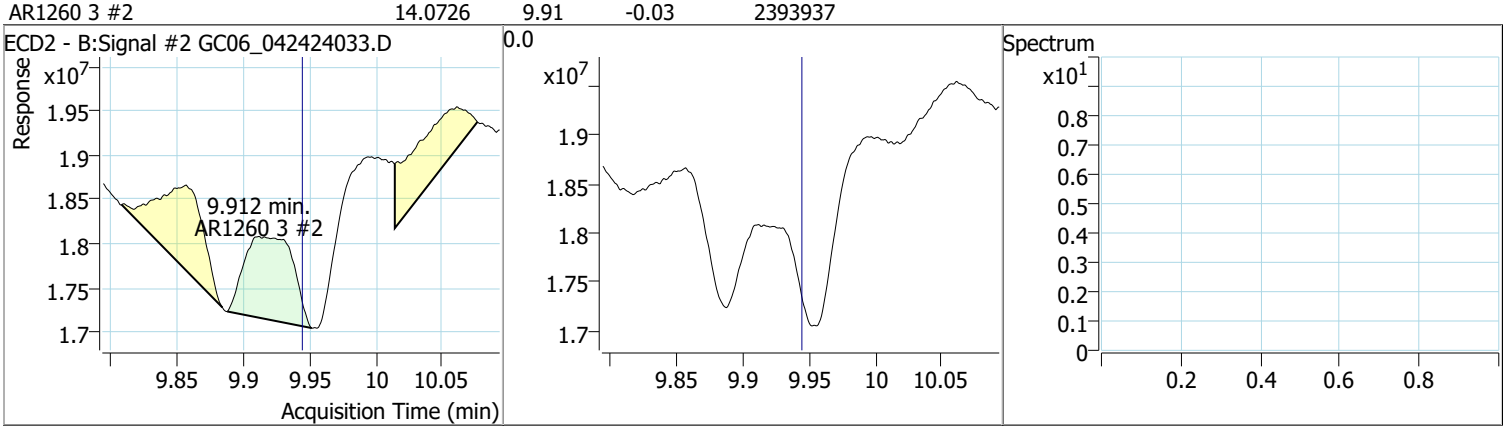
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	37.7993	9.36	-0.08	5214575				



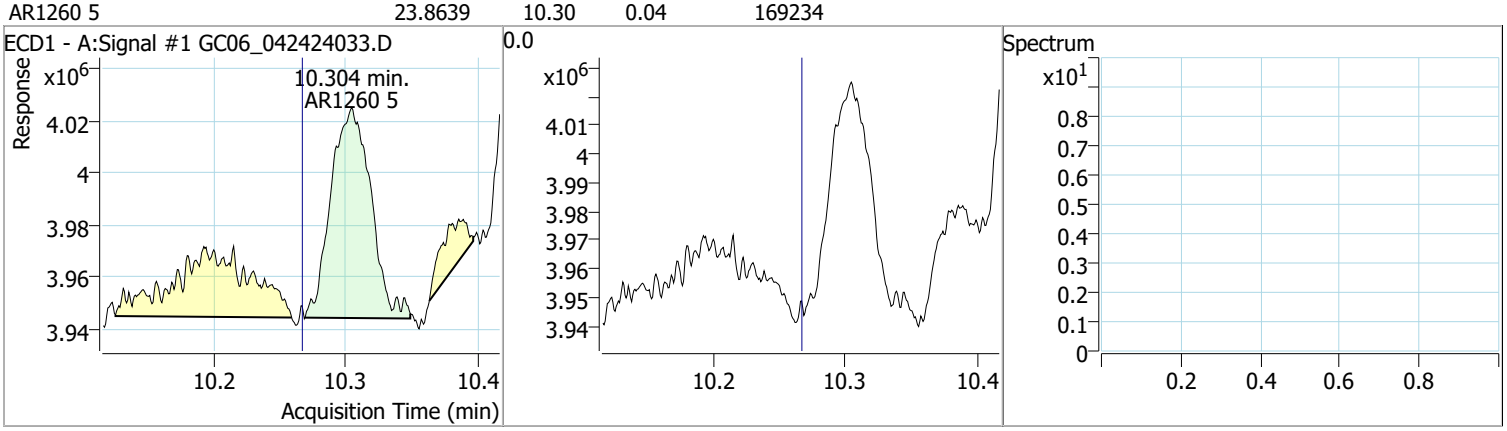
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	317.5933	9.45	-0.03	2017238				



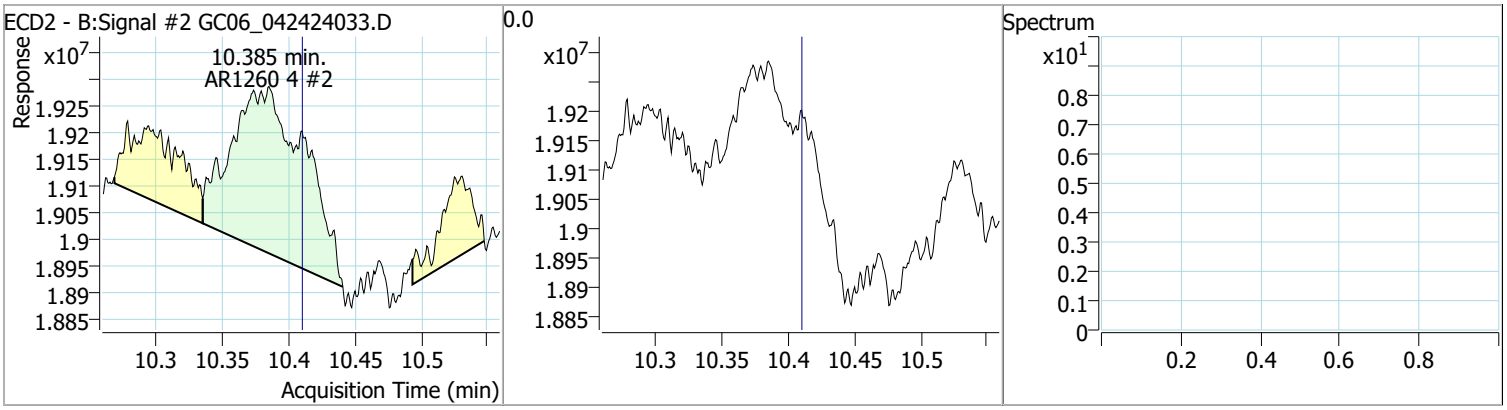
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	14.0726	9.91	-0.03	2393937				



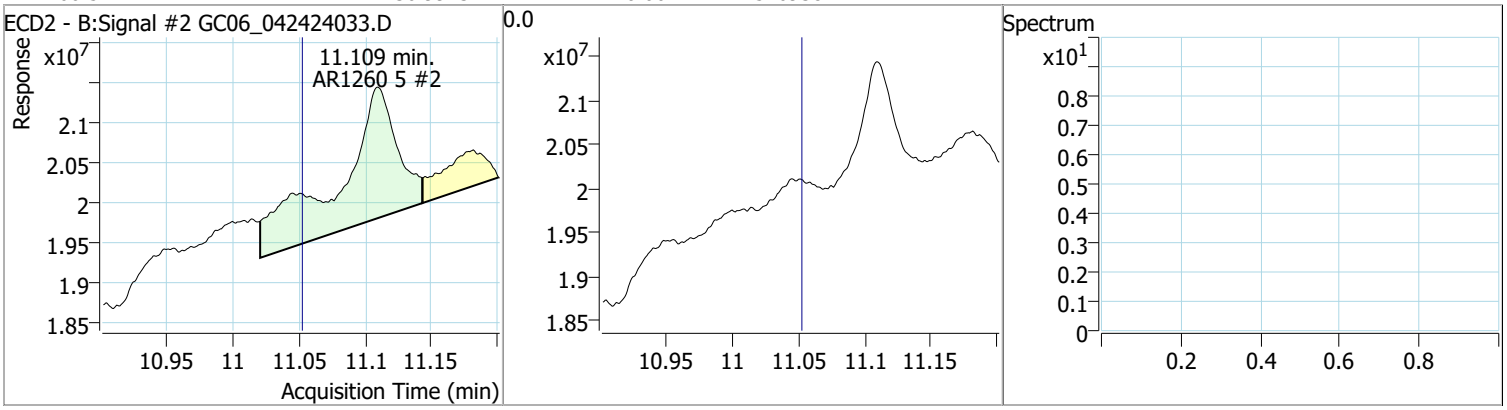
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	23.8639	10.30	0.04	169234				



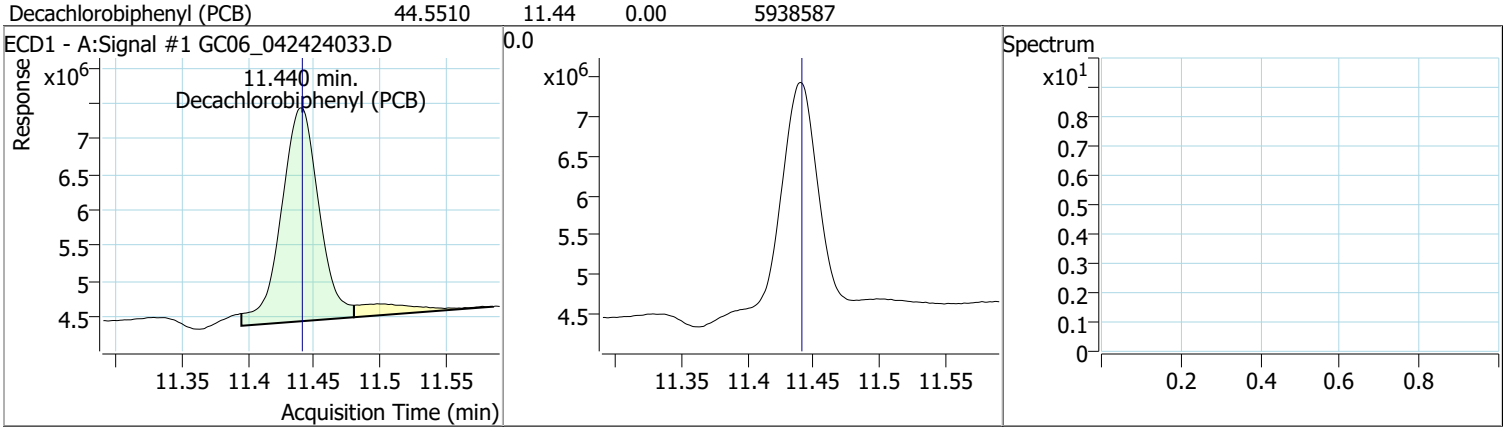
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	11.4198	10.39	-0.02	1208016				



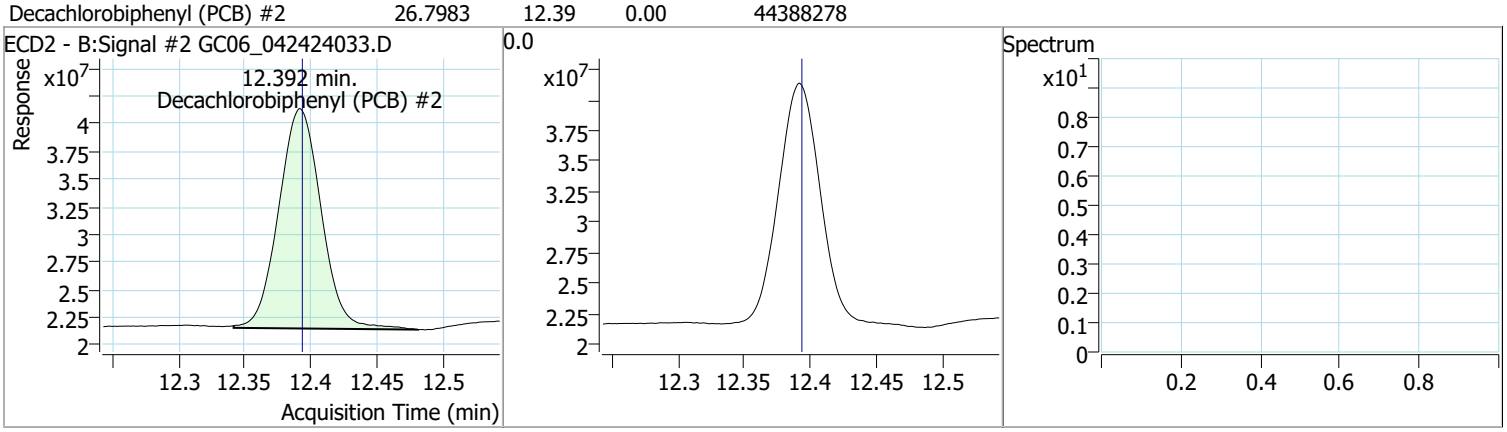
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	36.9943	11.11	0.06	5269384				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	44.5510	11.44	0.00	5938587				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	26.7983	12.39	0.00	44388278				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	506868-019	Client ID:	AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-P-I
Seqnum:	454166111034	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_042424034	Batch:	338600	Time:	24-APR-2024 19:00
Cal:	454124679002	Caldate:	26-MAR-2024		
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	Blank	Flags
Aroclor-1016	B	40.06	ND	3.2	156%	0.50		u
Aroclor-1016 Peak # 1	B	58.80	0.59	1.24	71%			
Aroclor-1016 Peak # 2	B	49.23	0.49	1.18	82%			
Aroclor-1016 Peak # 3	B	78.60	0.79	2.95	116%			
Aroclor-1016 Peak # 4	B	0.4811	0.00	10.39	200%			
Aroclor-1016 Peak # 5	B	13.17	0.13	0.26	67%			
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	30.14	ND	1.4	129%	0.50		u
Aroclor-1260 Peak # 1	B	16.09	0.16	2.73	178%			
Aroclor-1260 Peak # 2	B	63.26	0.63	0.09	153%			
Aroclor-1260 Peak # 3	B	14.59	0.15	0.84	141%			
Aroclor-1260 Peak # 4	B	12.71	0.13	3.15	184%			
Aroclor-1260 Peak # 5	B	44.06	0.44	0.18	86%			
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	38.63	0.5000	0.3863	77	19-121	u
Decachlorobiphenyl (PCB)	B	28.75	0.5000	0.2875	58	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	40781322	-11.18
1-bromo-2-nitrobenzene (PCB)	A	3177182	2383068	-24.99

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.83	0.00

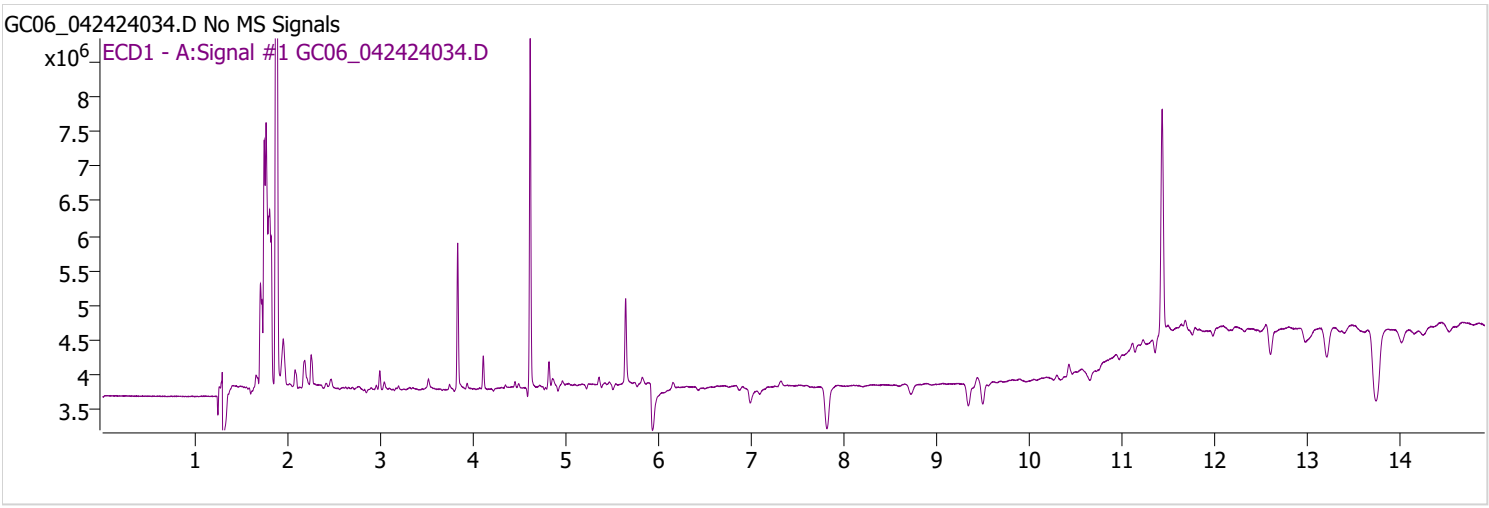
04/26/24 : WIPE/1dm3-10ML

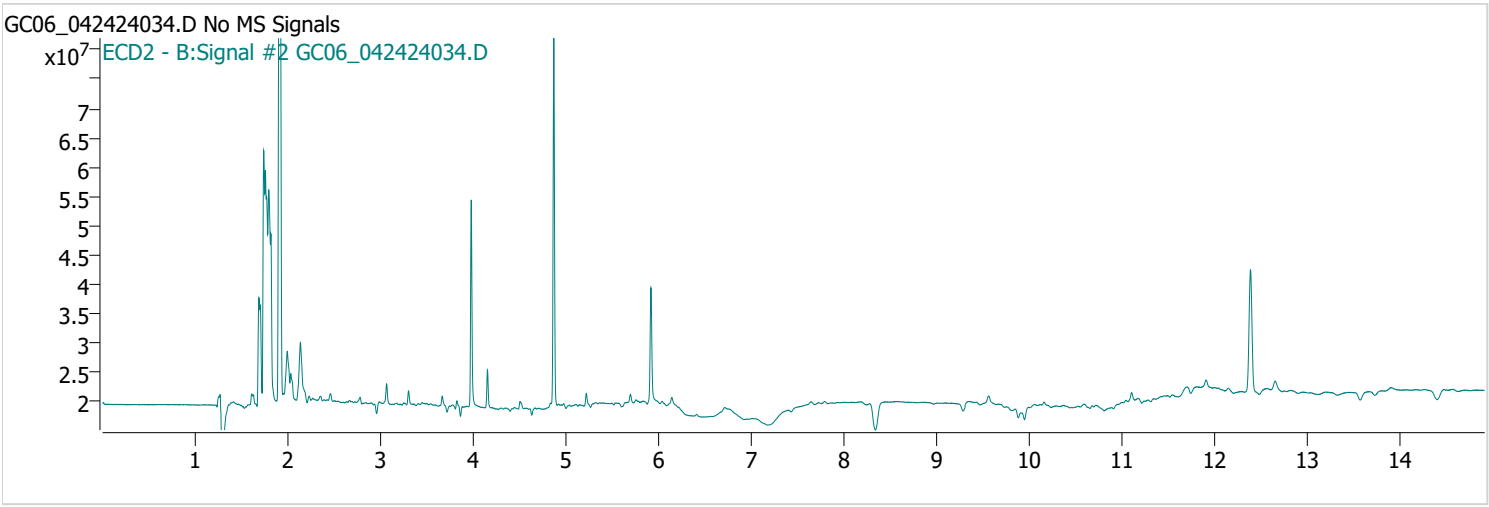
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Analyst: MES 04/26/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424034.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 7:00:51 PM
Sample Name	506868-019, 338600, 1	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



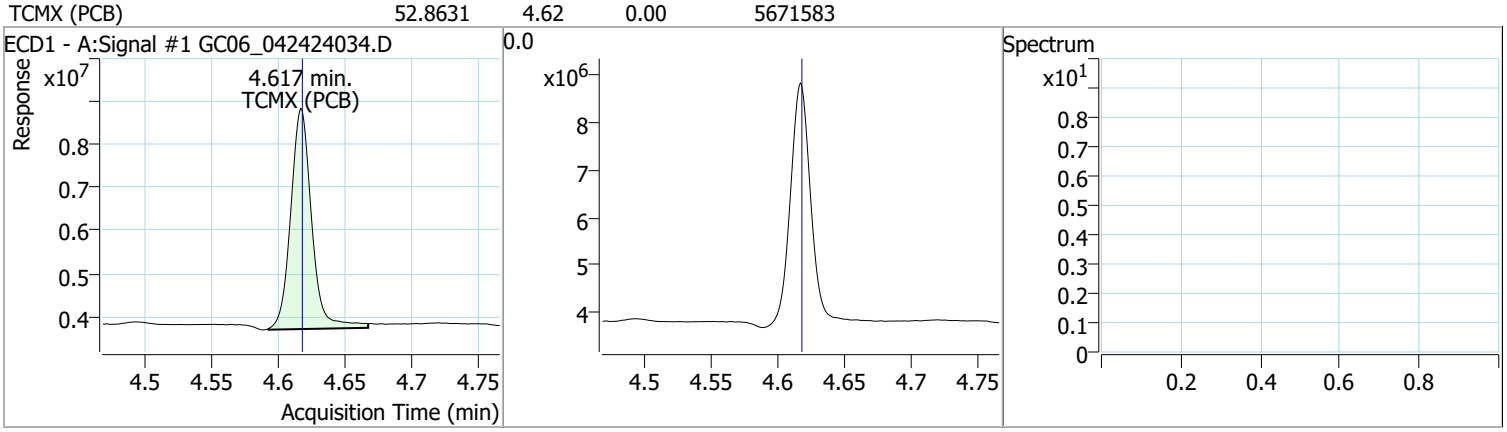


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.834	0.0	2383067.652	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.980	0.0	40781322.102	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.617	0.0	5671583.321	52.8631	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 264.32%		*	
S TCMX (PCB) #2	4.872	0.0	68319753.871	38.6337	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.17%		*	
S Decachlorobiphenyl (PCB)	11.439	0.0	7195562.429	50.7211	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 253.61%		*	
S Decachlorobiphenyl (PCB) #2	12.393	0.0	47934202.559	28.7522	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 143.76%			
Target Compounds							QValue

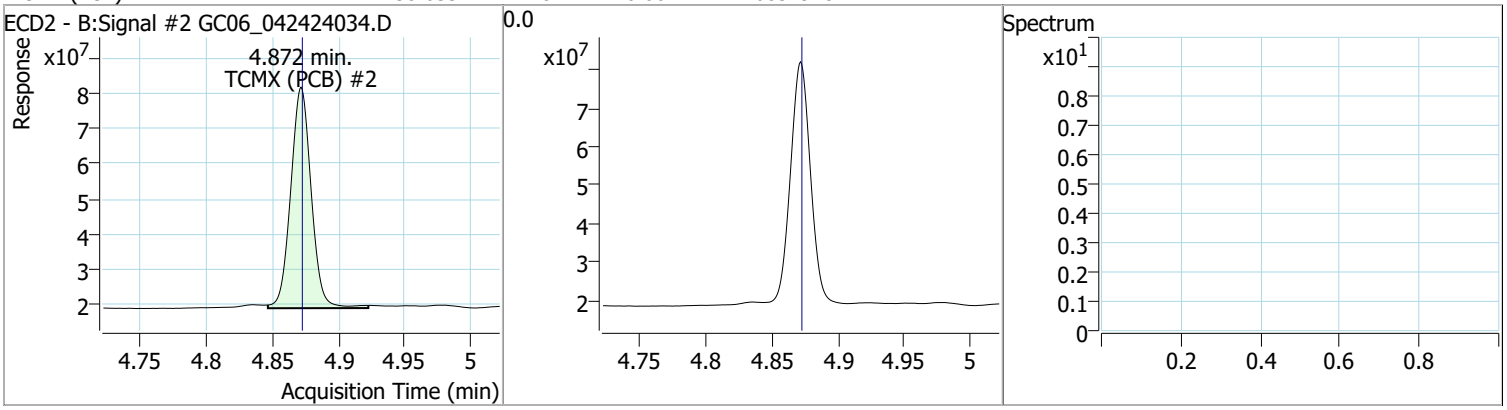
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.967	0.0	318121.363	124.1806	ng/ml	100
T AR1016 2	5.359	0.0	581894.907	117.9874	ng/ml	100
T AR1016 1 #2	5.325	0.0	2215818.723	58.7995	ng/ml	100
T AR1016 3	5.648	0.0	1785047.880	295.0740	ng/ml	100
T AR1016 2 #2	5.698	0.0	3711525.031	49.2307	ng/ml	100
T AR1016 4	5.826	0.0	4436962.269	1038.8395	ng/ml	100
T AR1016 3 #2	6.146	0.0	8207910.510	78.6038	ng/ml	100
T AR1016 5	6.218	0.0	94716.431	26.4693	ng/ml	100
T AR1016 4 #2	6.370	0.0	33210.203	0.4811	ng/ml	100
T AR1016 5 #2	6.750	0.0	760883.569	13.1687	ng/ml	100
T AR1260 1	7.722	0.0	1992545.250	273.3918	ng/ml	100
T AR1260 2	8.335	0.0	94778.627	8.5005	ng/ml	100
T AR1260 3	8.892	0.0	982325.189	83.5929	ng/ml	100
T AR1260 1 #2	9.097	0.0	1836588.771	16.0900	ng/ml	100
T AR1260 2 #2	9.355	0.0	8784263.402	63.2639	ng/ml	100
T AR1260 4	9.444	0.0	2129816.590	315.0696	ng/ml	100
T AR1260 3 #2	9.912	0.0	2497616.551	14.5873	ng/ml	100
T AR1260 5	10.303	0.0	132626.356	17.5726	ng/ml	100
T AR1260 4 #2	10.378	0.0	1353093.614	12.7086	ng/ml	100
T AR1260 5 #2	11.111	0.0	6316756.217	44.0610	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

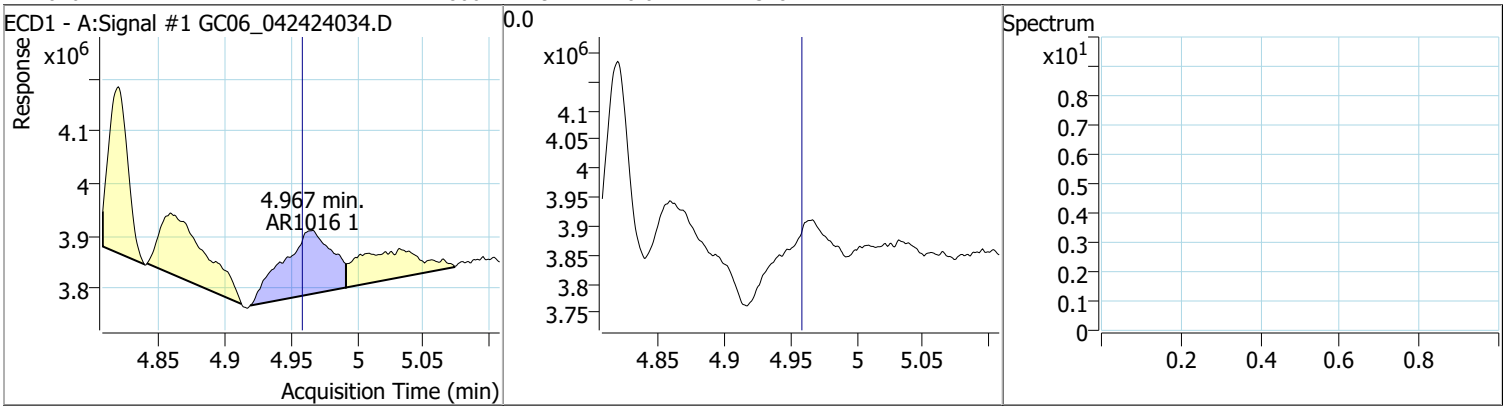
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	52.8631	4.62	0.00	5671583				



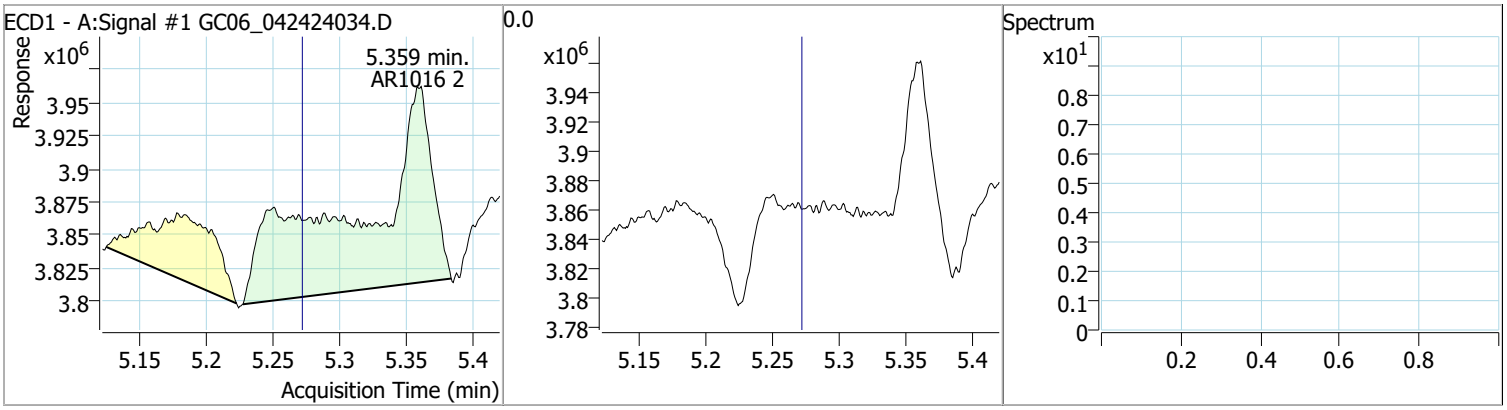
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.6337	4.87	0.00	68319754				



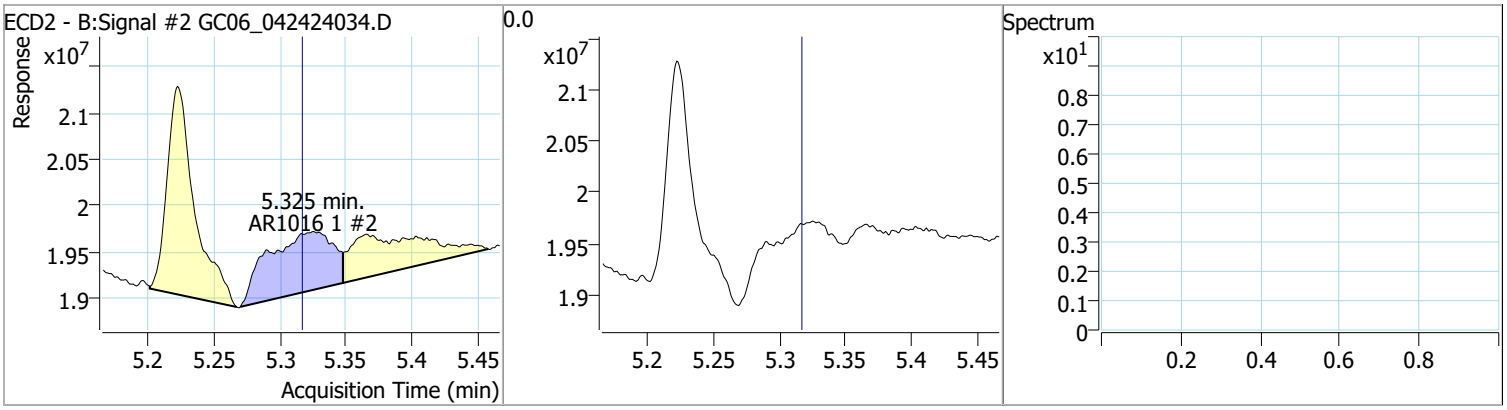
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	124.1806	4.97	0.01	318121				



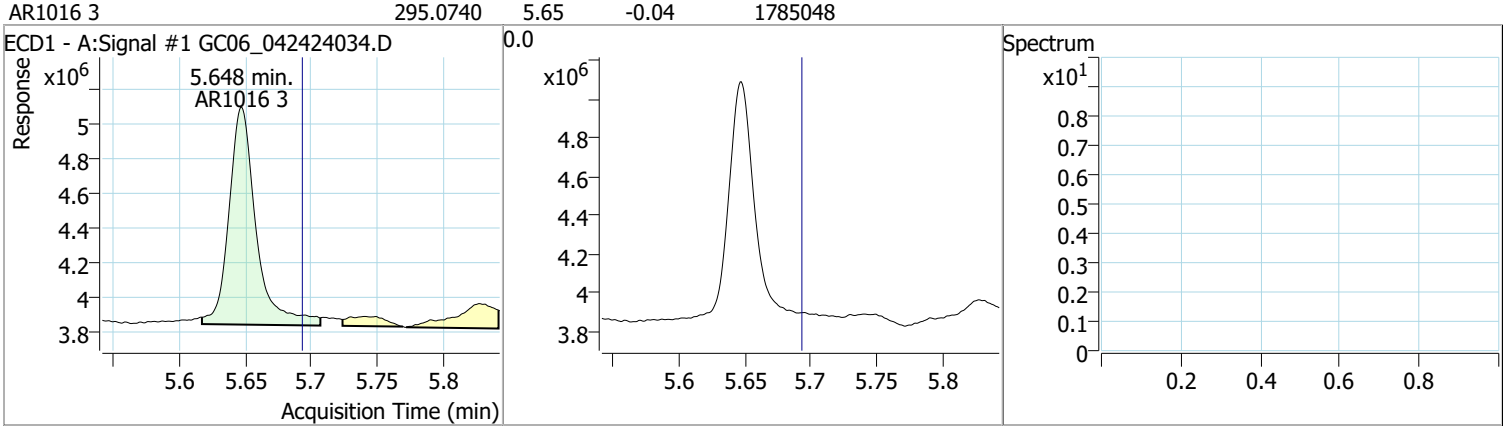
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	117.9874	5.36	0.09	581895				



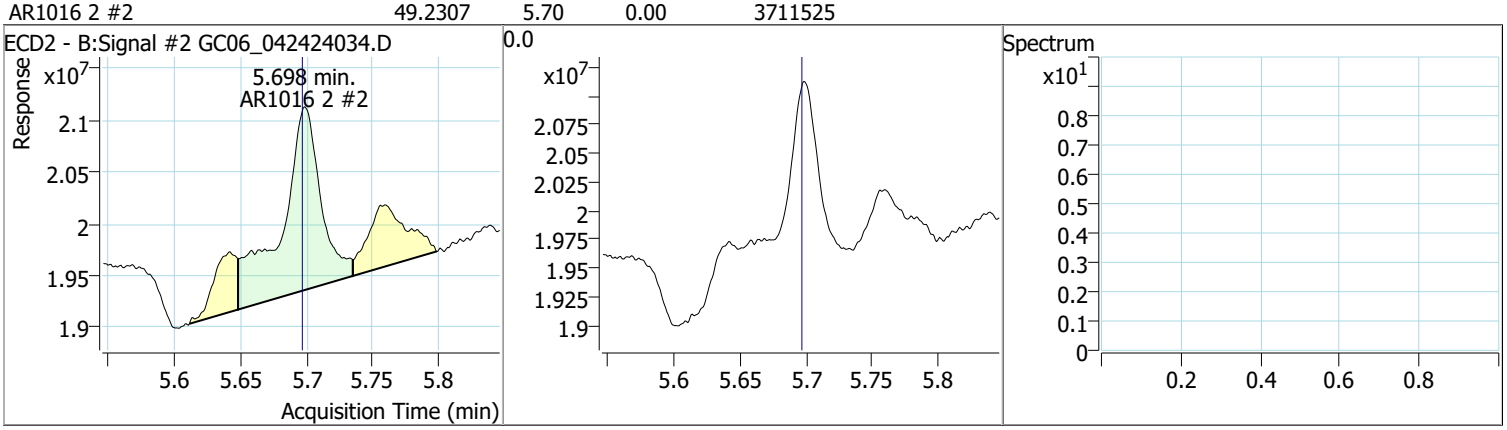
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	58.7995	5.33	0.01	2215819				



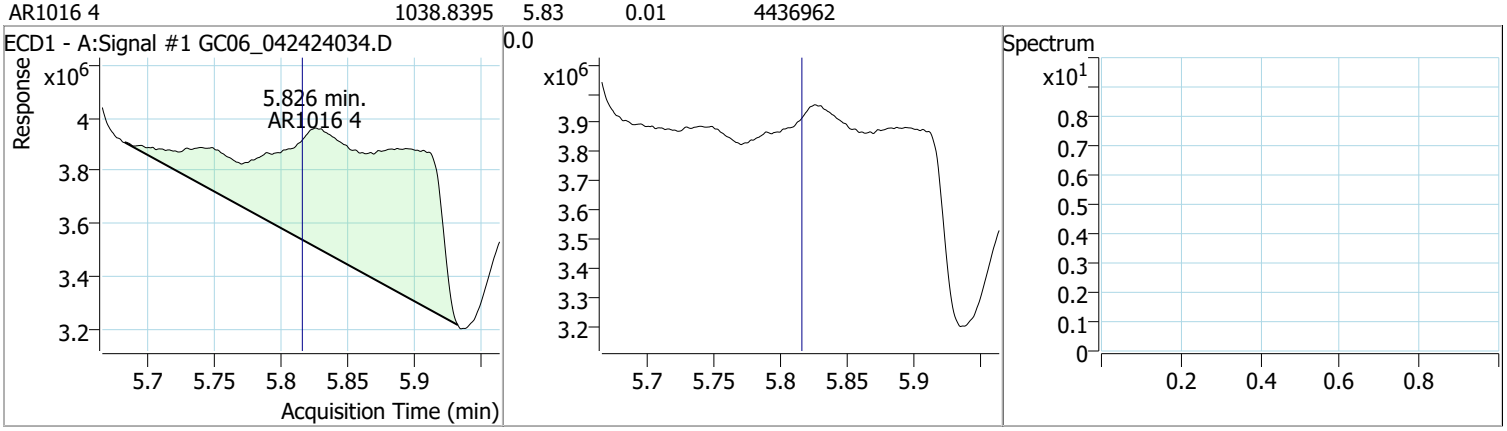
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	295.0740	5.65	-0.04	1785048				



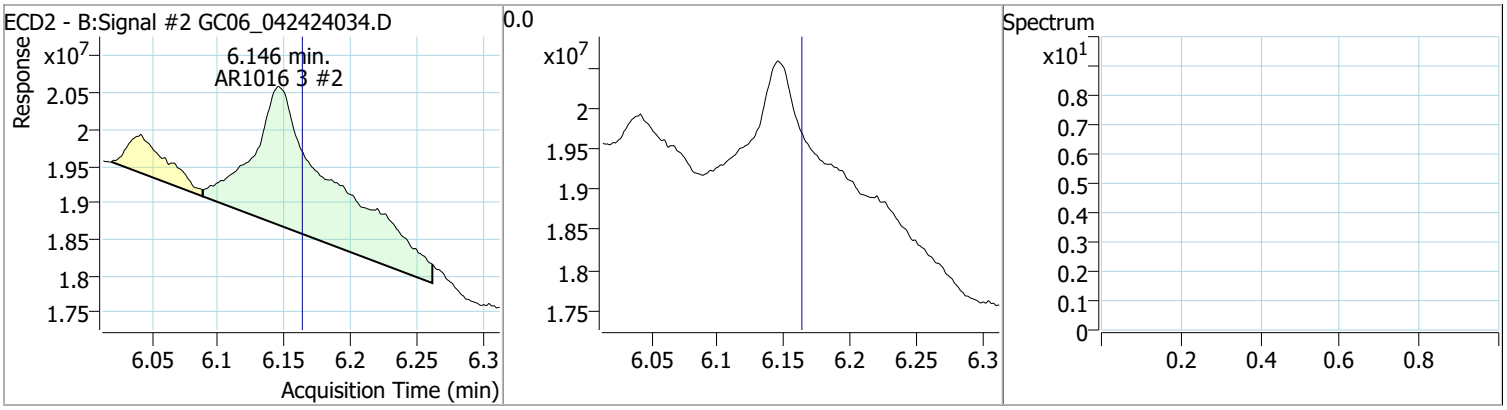
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	49.2307	5.70	0.00	3711525				



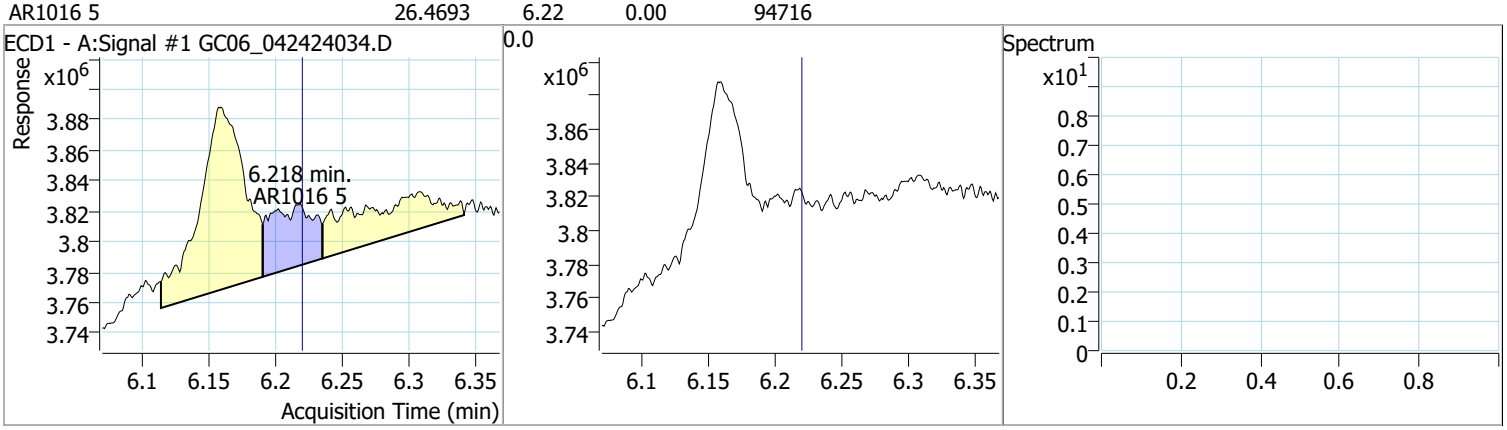
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1038.8395	5.83	0.01	4436962				



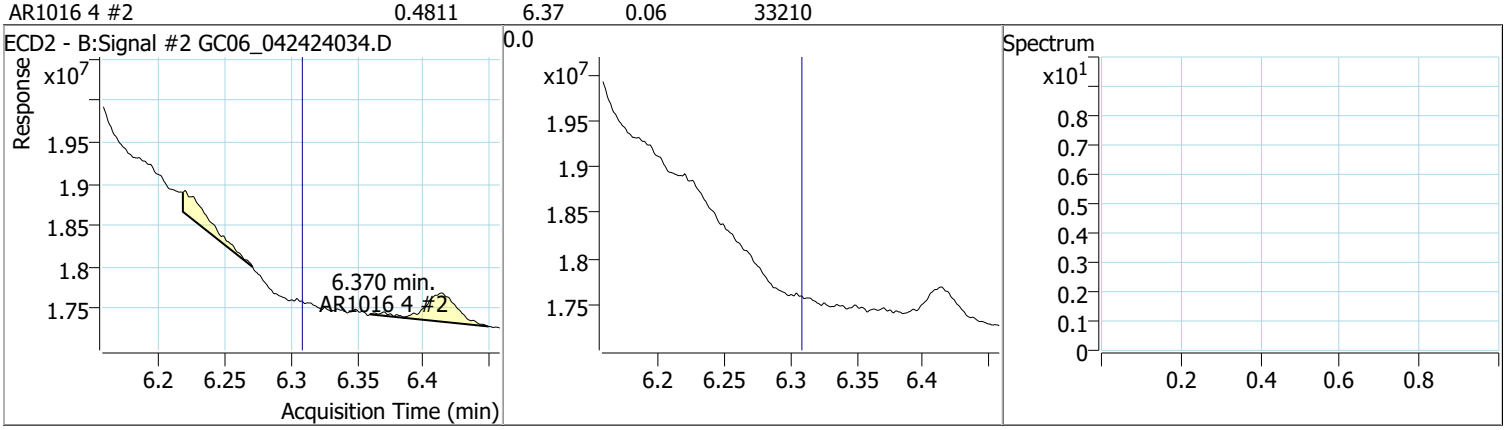
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	78.6038	6.15	-0.02	8207911				



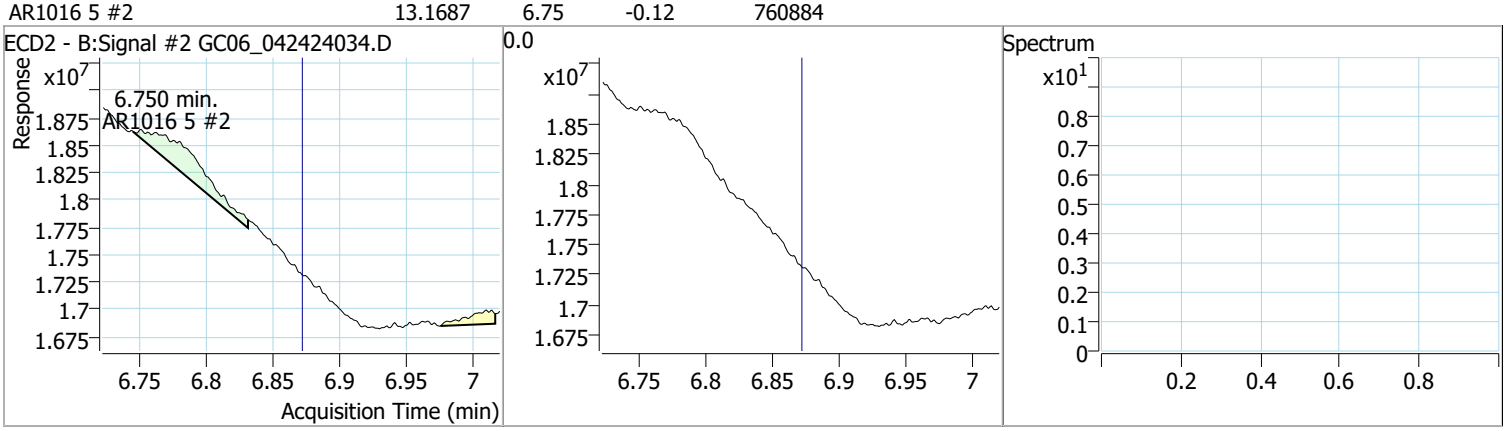
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	26.4693	6.22	0.00	94716				



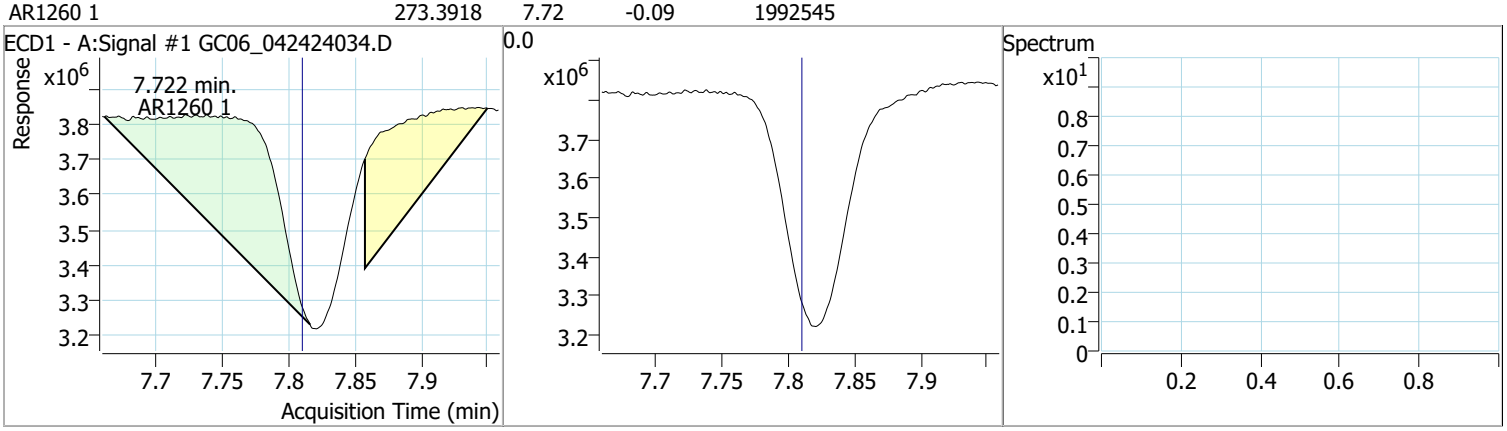
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.4811	6.37	0.06	33210				



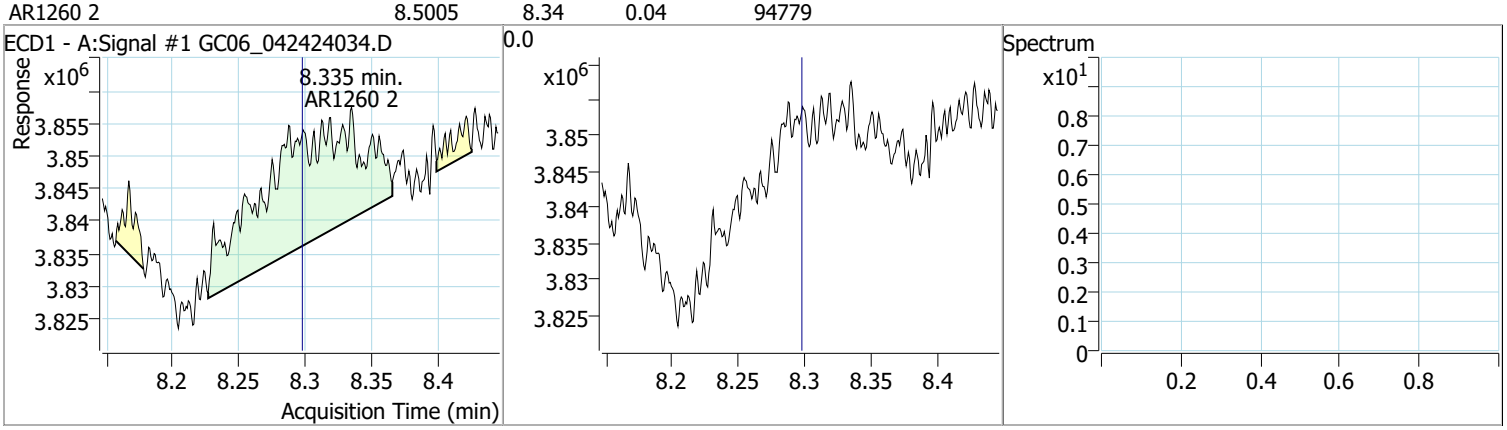
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	13.1687	6.75	-0.12	760884				



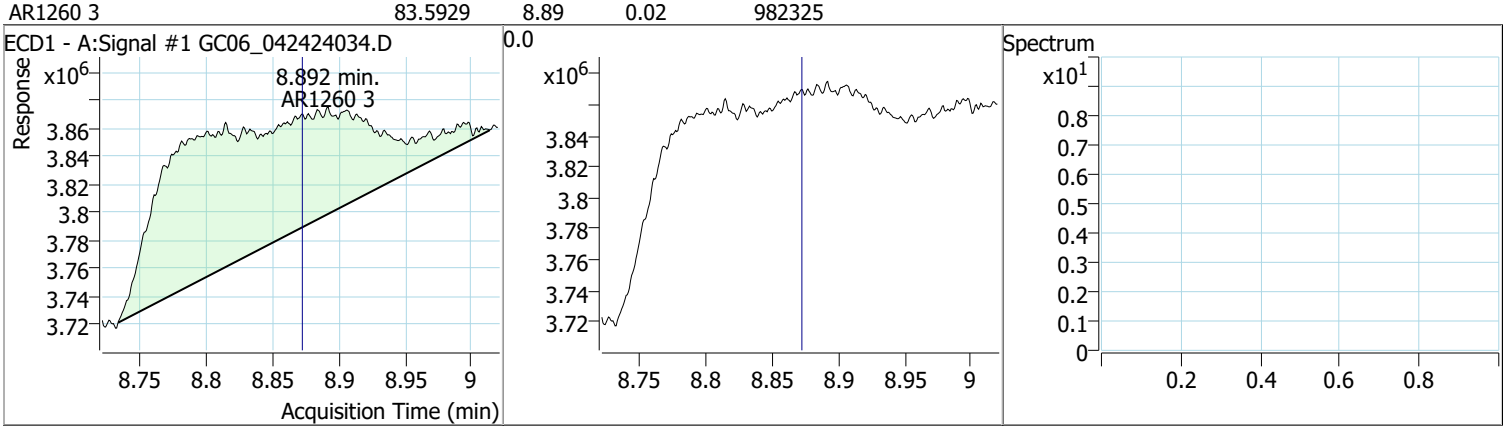
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	273.3918	7.72	-0.09	1992545				



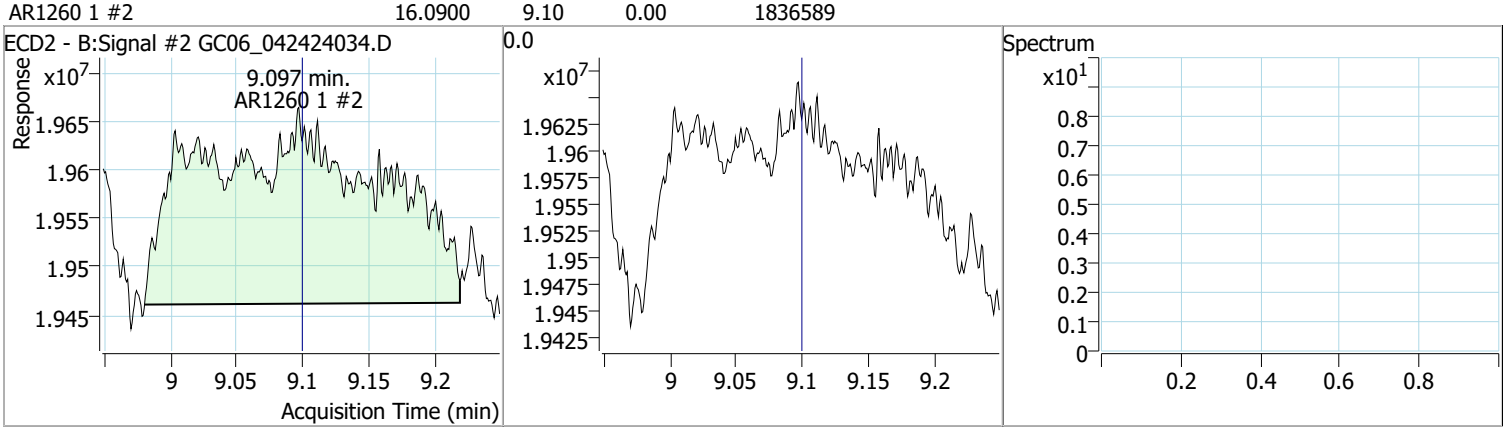
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	8.5005	8.34	0.04	94779				



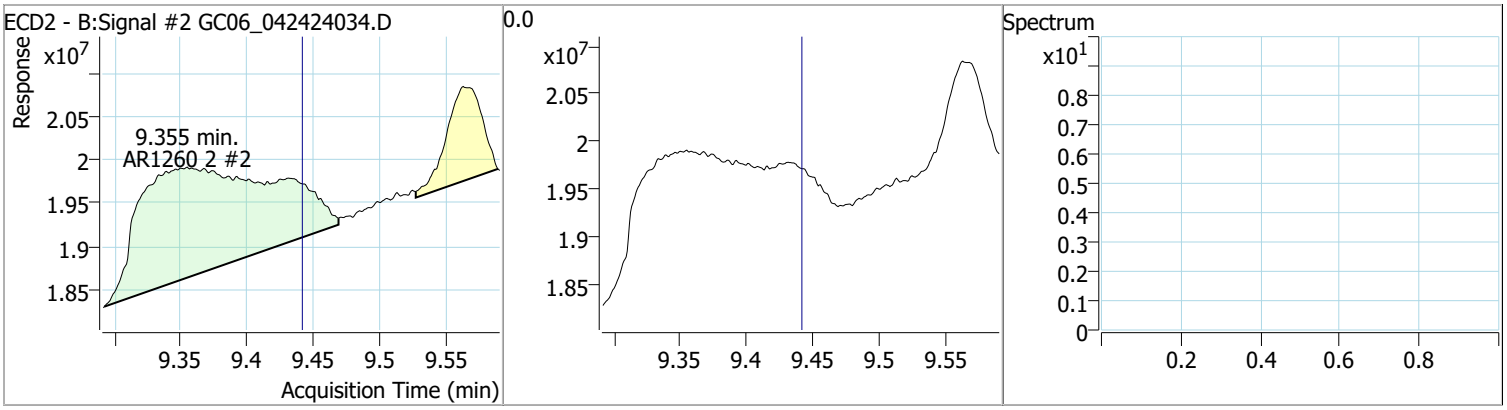
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	83.5929	8.89	0.02	982325				



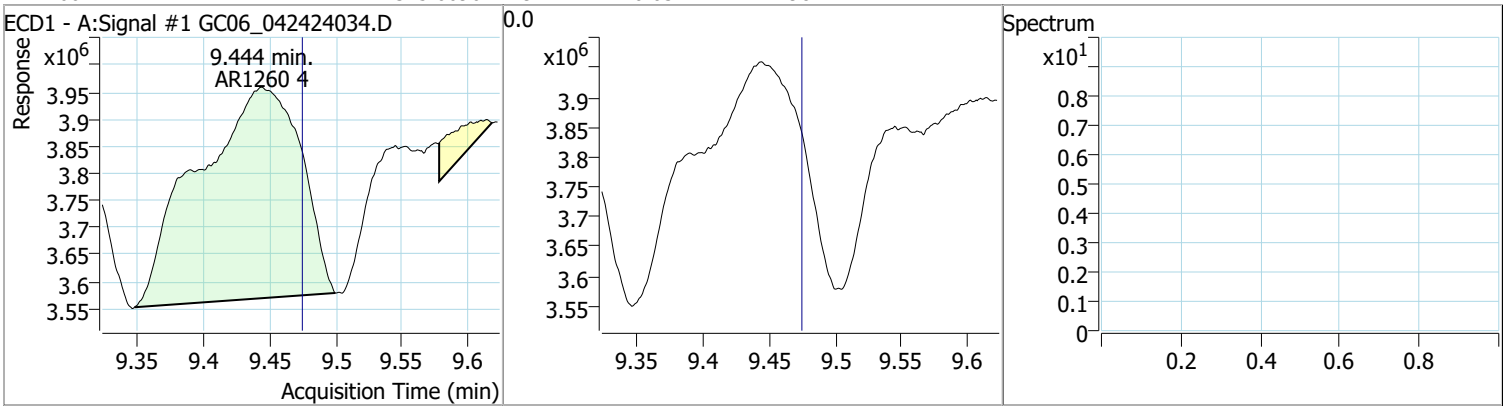
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	16.0900	9.10	0.00	1836589				



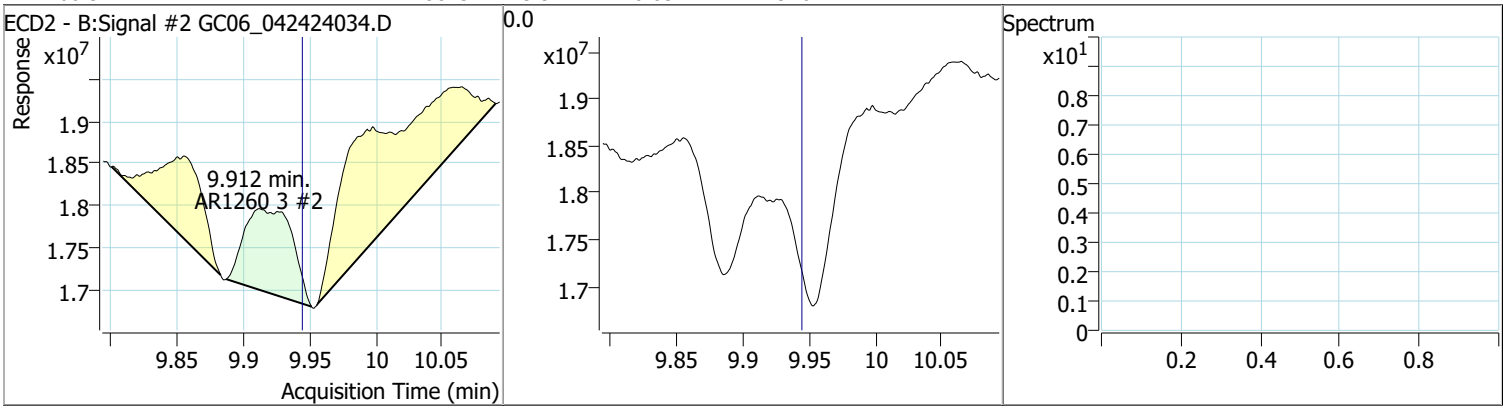
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	63.2639	9.36	-0.09	8784263				



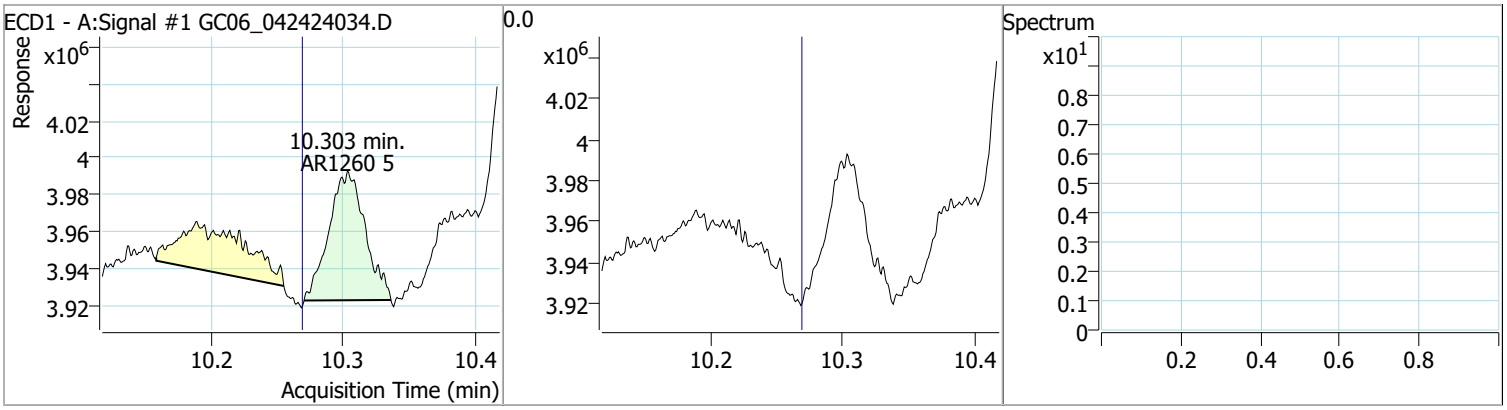
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	315.0696	9.44	-0.03	2129817				



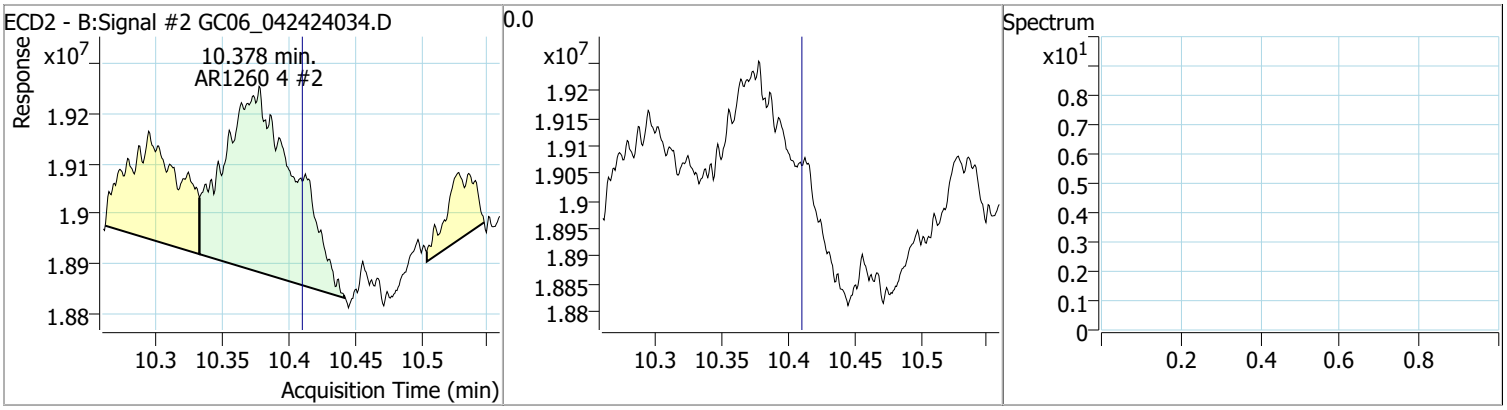
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	14.5873	9.91	-0.03	2497617				



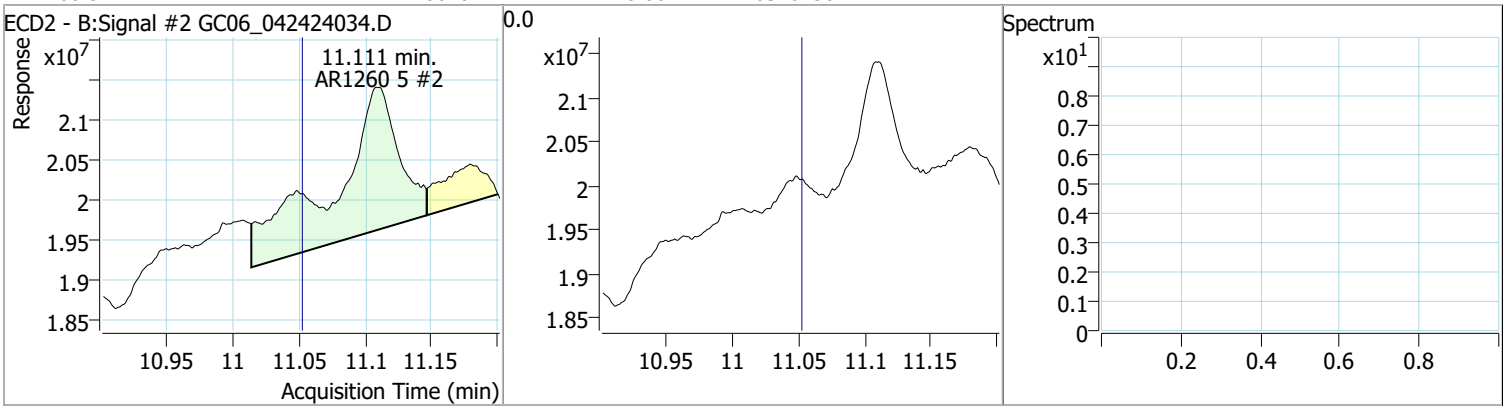
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	17.5726	10.30	0.04	132626				



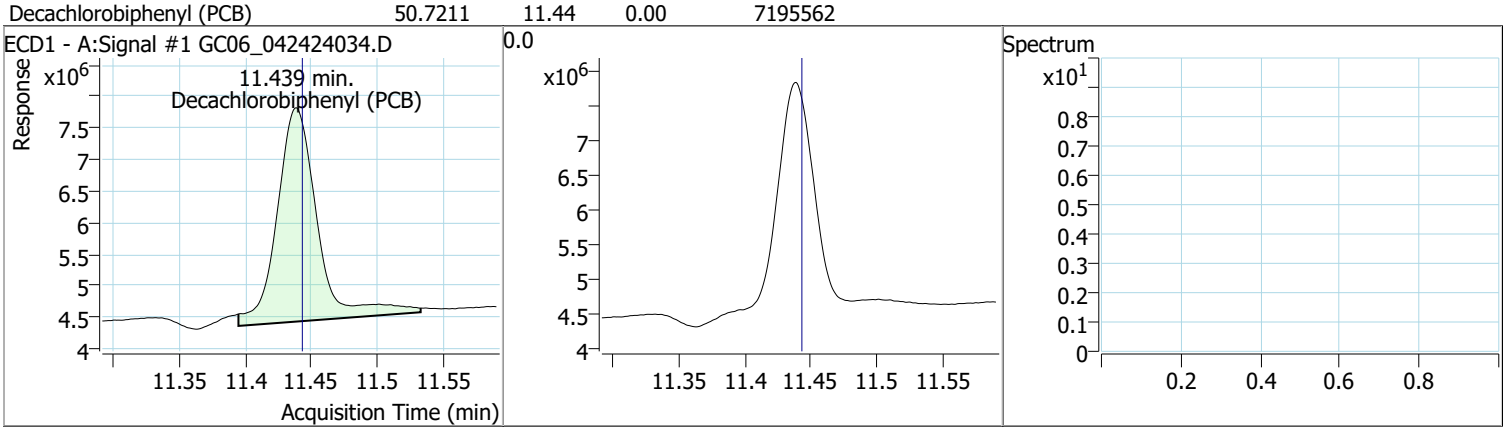
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	12.7086	10.38	-0.03	1353094				



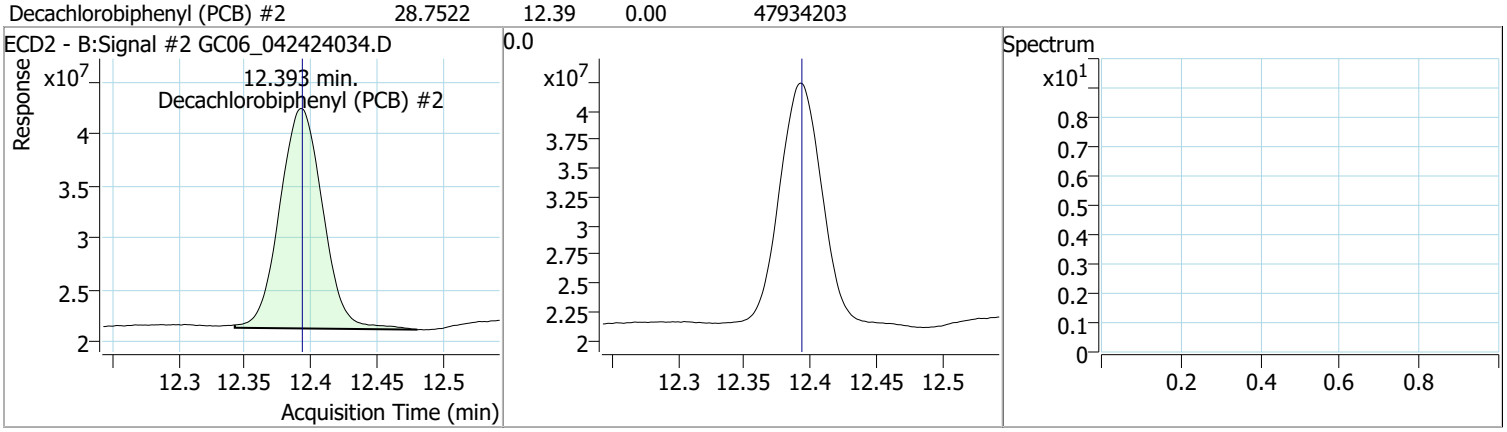
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	44.0610	11.11	0.06	6316756				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	50.7211	11.44	0.00	7195562				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	28.7522	12.39	0.00	47934203				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	506868-021	Client ID:	240422-P-FIELDBLANK1-HO
Seqnum:	454166111035	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_042424035	Batch:	338600	Time:	24-APR-2024 19:20
Cal:	454124679002	Caldate:	26-MAR-2024		
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	Blank	Flags
Aroclor-1016	B	40.65	ND	1.2	96%	0.50		u
Aroclor-1016 Peak # 1	B	79.50	0.80	0.84	6%			
Aroclor-1016 Peak # 2	B	29.99	0.30	0.69	79%			
Aroclor-1016 Peak # 3	B	65.77	0.66	2.88	126%			
Aroclor-1016 Peak # 4	B	3.402	0.03	ND				
Aroclor-1016 Peak # 5	B	24.60	0.25	1.37	139%			
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	16.90	ND	1.0	144%	0.50		u
Aroclor-1260 Peak # 1	B	19.17	0.19	1.64	158%			
Aroclor-1260 Peak # 2	B	7.228	0.07	0.04	63%			
Aroclor-1260 Peak # 3	B	12.09	0.12	0.70	141%			
Aroclor-1260 Peak # 4	B	13.13	0.13	2.68	181%			
Aroclor-1260 Peak # 5	B	32.90	0.33	0.17	65%			
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	37.89	0.5000	0.3789	76	19-121	u
Decachlorobiphenyl (PCB)	B	29.09	0.5000	0.2909	58	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	40097843	-12.66
1-bromo-2-nitrobenzene (PCB)	A	3177182	2472904	-22.17

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.83	0.00

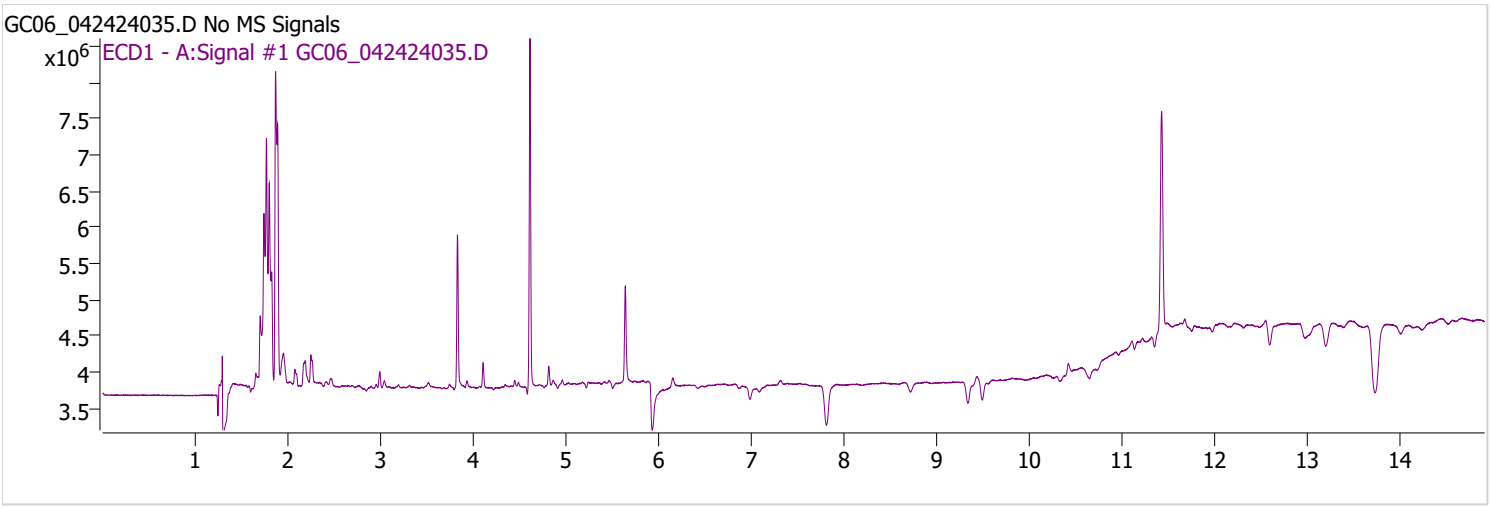
04/26/24 : WIPE/1dm3-10ML

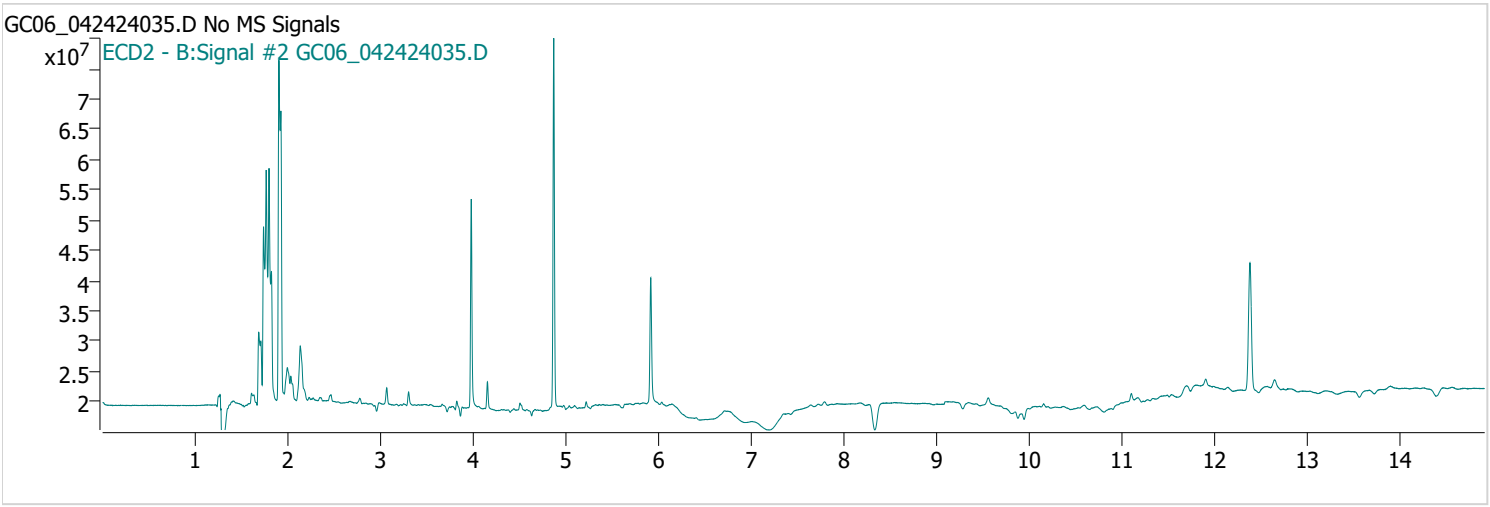
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Analyst: MES 04/26/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424035.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 7:20:46 PM
Sample Name	506868-021, 338600, 1	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



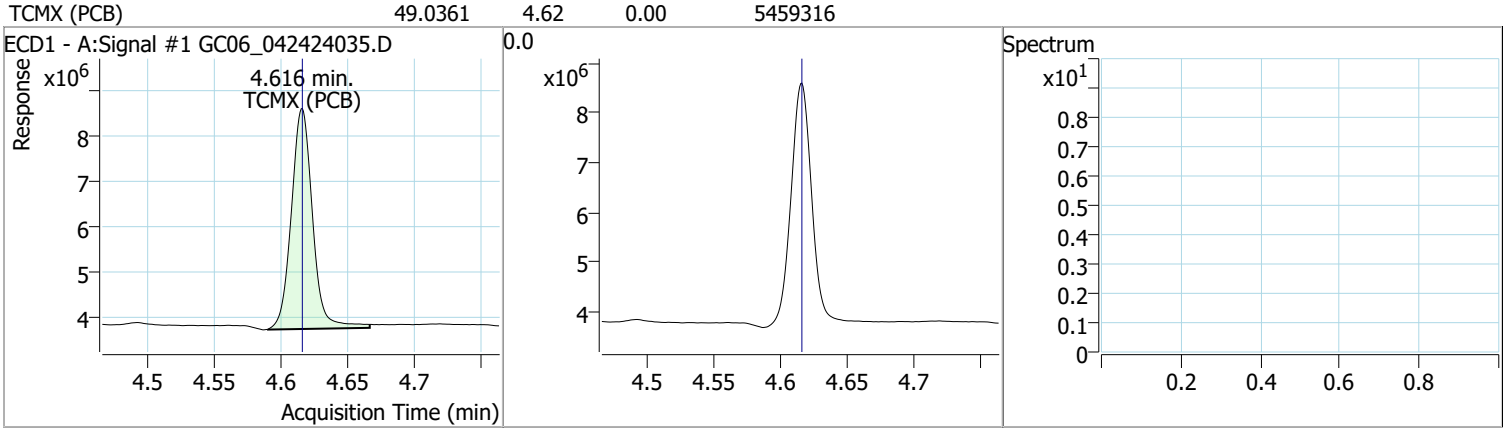


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.833	0.0	2472903.683	20.0000	ng/ml		-0.001
M 1-bromo-2-nitrobenzene (PCB) #2	3.982	0.0	40097843.190	20.0000	ng/ml		0.002
System Monitoring Compounds							
S TCMX (PCB)	4.616	0.0	5459315.930	49.0361	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 245.18%		*	
S TCMX (PCB) #2	4.872	0.0	65881174.738	37.8897	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 189.45%		*	
S Decachlorobiphenyl (PCB)	11.437	0.0	6607077.666	44.8810	ng/ml		-0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 224.41%		*	
S Decachlorobiphenyl (PCB) #2	12.391	0.0	47677707.313	29.0858	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 145.43%			
Target Compounds							QValue

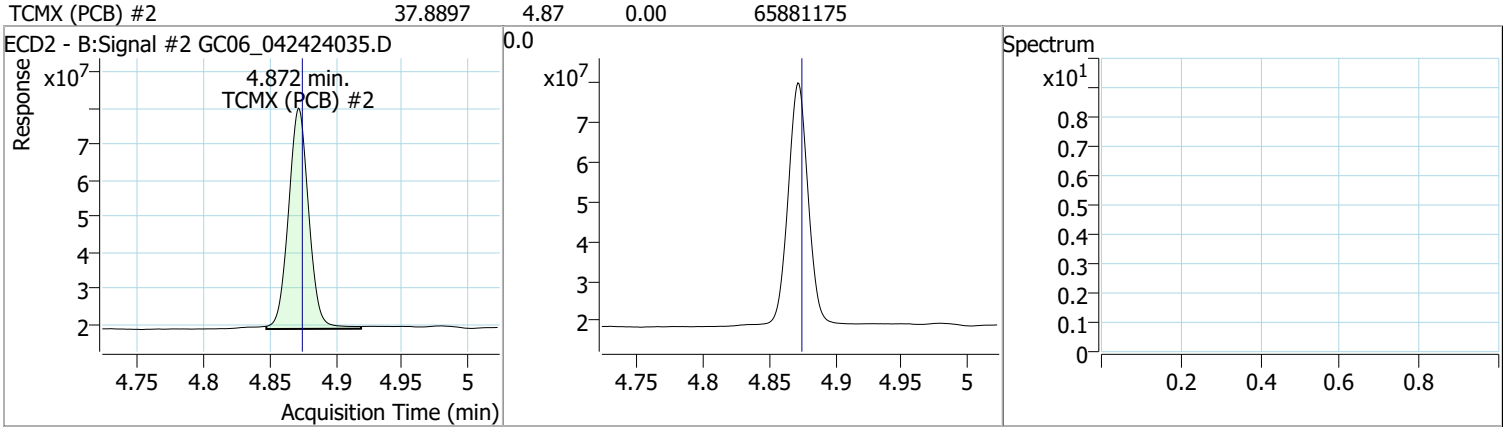
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.965	0.0	223628.816	84.1236	ng/ml	100
T AR1016 2	5.244	0.0	352716.777	68.9202	ng/ml	100
T AR1016 1 #2	5.404	0.0	2945825.873	79.5036	ng/ml	100
T AR1016 3	5.645	0.0	1806553.603	287.7804	ng/ml	100
T AR1016 2 #2	5.696	0.0	2222770.284	29.9860	ng/ml	100
T AR1016 4	0.000		0	N.D.		
T AR1016 3 #2	6.152	0.0	6752396.151	65.7672	ng/ml	100
T AR1016 5	6.159	0.0	509978.302	137.3404	ng/ml	100
T AR1016 4 #2	6.273	0.0	230895.835	3.4022	ng/ml	100
T AR1016 5 #2	6.747	0.0	1397453.724	24.5981	ng/ml	100
T AR1260 1	7.939	0.0	1243852.887	164.4657	ng/ml	100
T AR1260 2	8.311	0.0	43799.911	3.7856	ng/ml	100
T AR1260 3	8.900	0.0	848430.389	69.5760	ng/ml	100
T AR1260 1 #2	9.133	0.0	2150926.915	19.1651	ng/ml	100
T AR1260 2 #2	9.430	0.0	986847.580	7.2284	ng/ml	100
T AR1260 4	9.443	0.0	1879796.623	267.9812	ng/ml	100
T AR1260 3 #2	9.928	0.0	2036074.782	12.0944	ng/ml	100
T AR1260 5	10.303	0.0	130696.266	16.6878	ng/ml	100
T AR1260 4 #2	10.373	0.0	1374224.356	13.1271	ng/ml	100
T AR1260 5 #2	11.110	0.0	4638130.660	32.9036	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

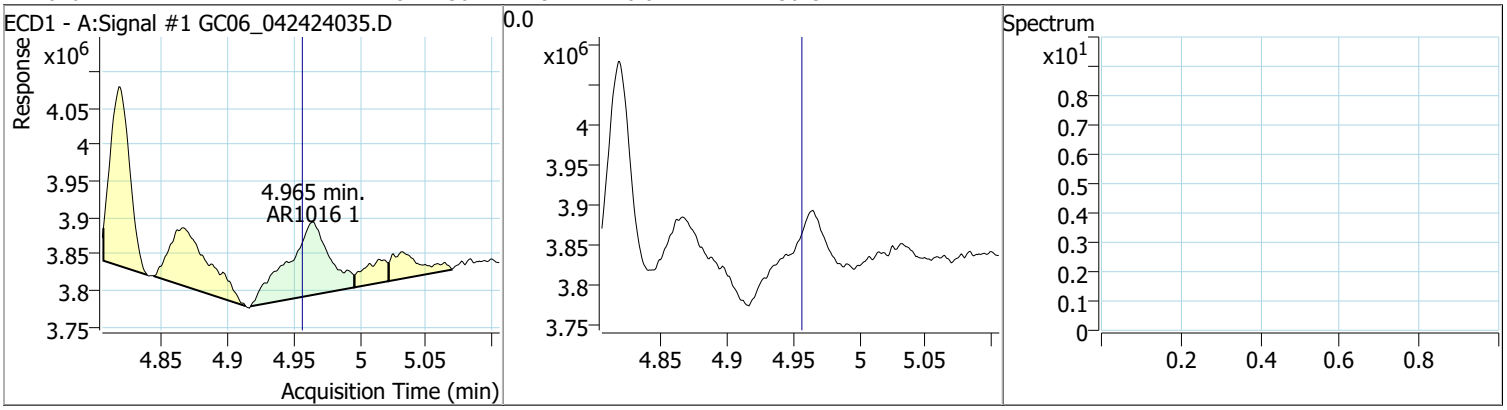
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	49.0361	4.62	0.00	5459316				



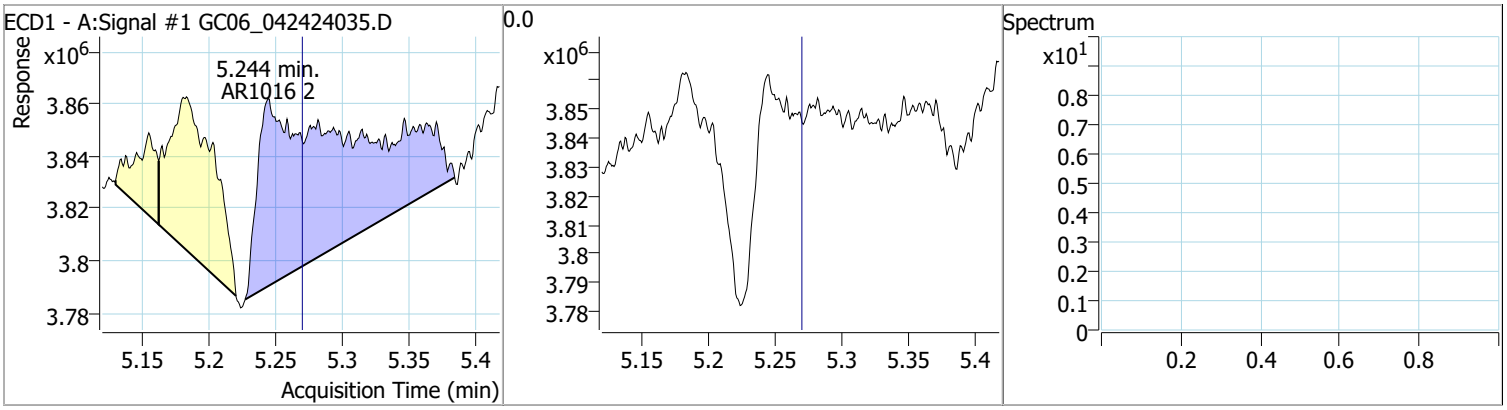
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	37.8897	4.87	0.00	65881175				



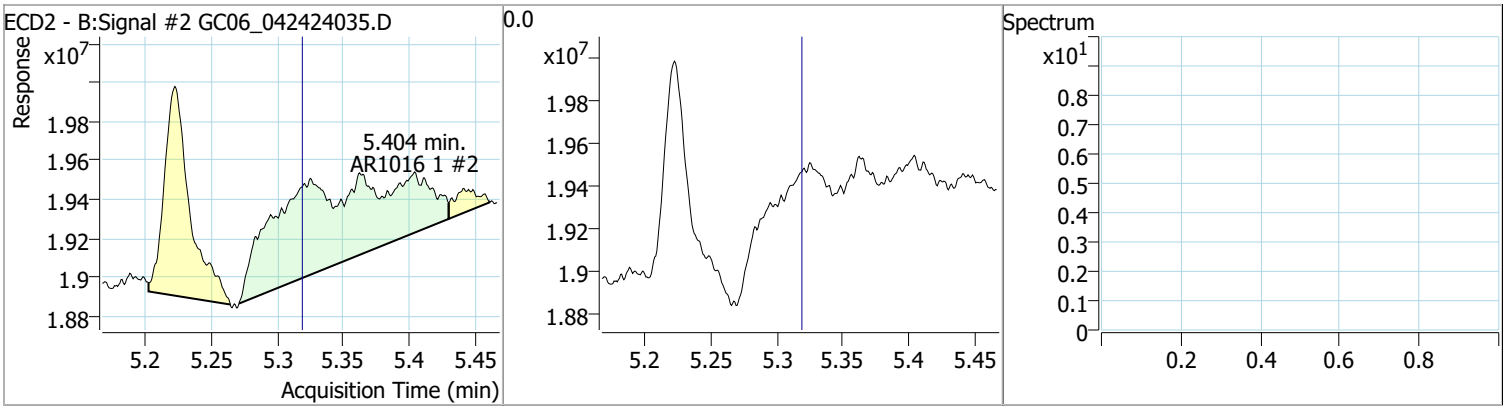
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	84.1236	4.97	0.01	223629				



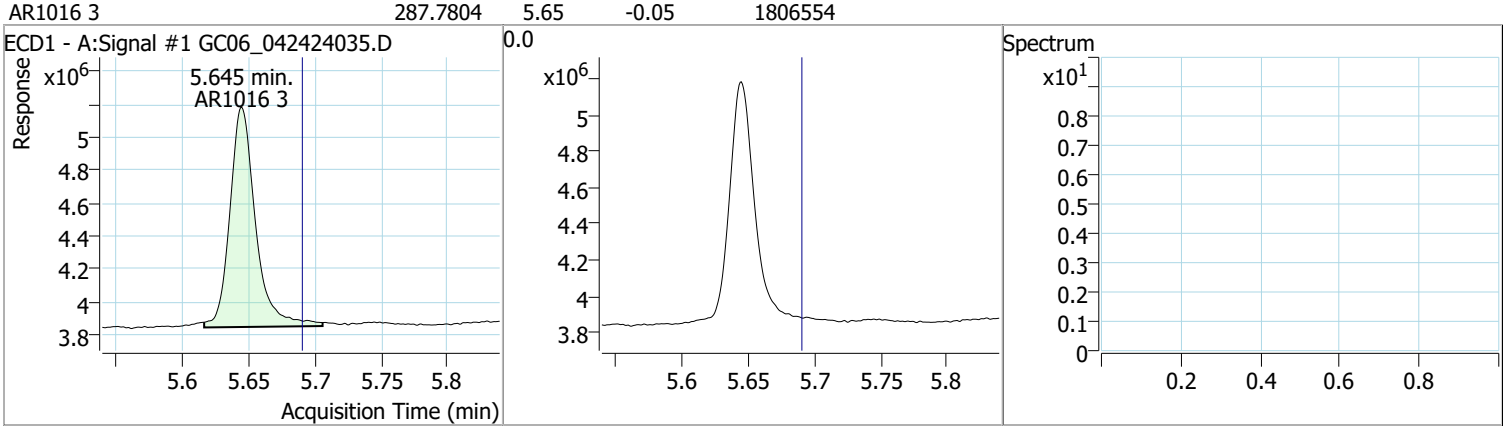
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	68.9202	5.24	-0.03	352717				



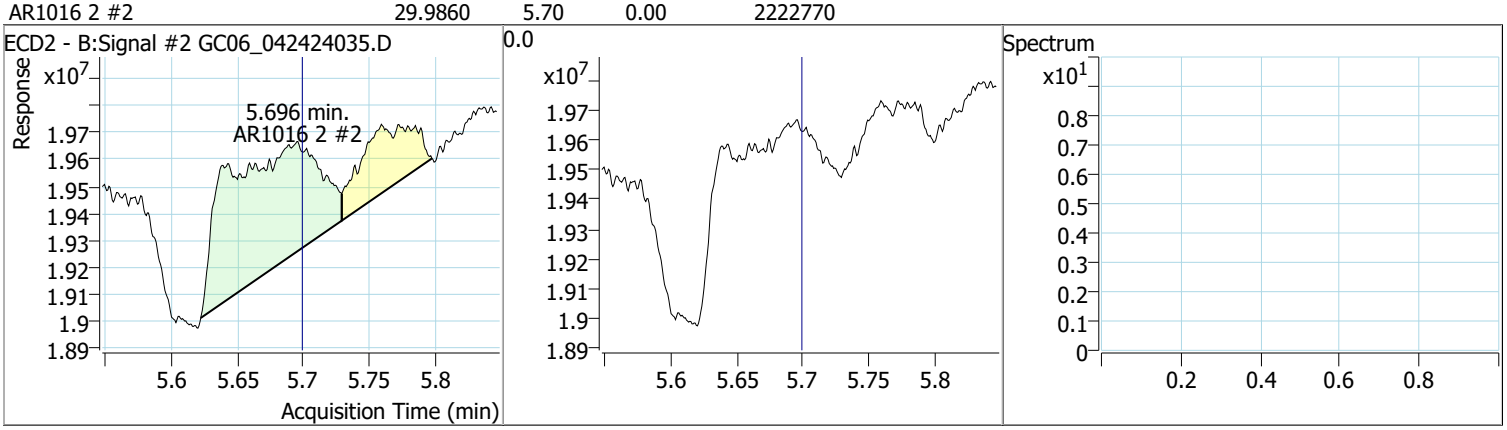
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	79.5036	5.40	0.09	2945826				



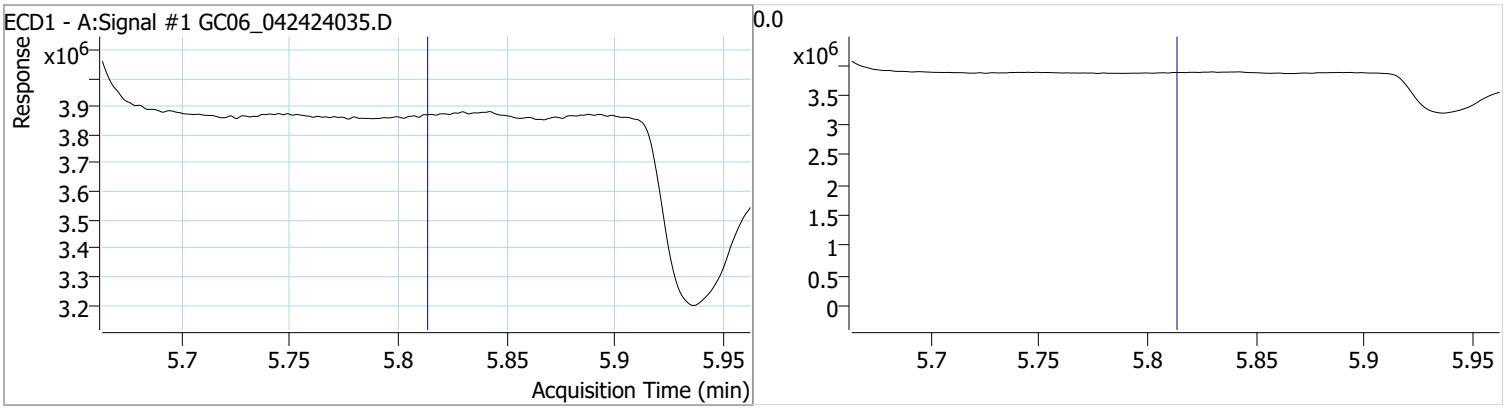
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	287.7804	5.65	-0.05	1806554				



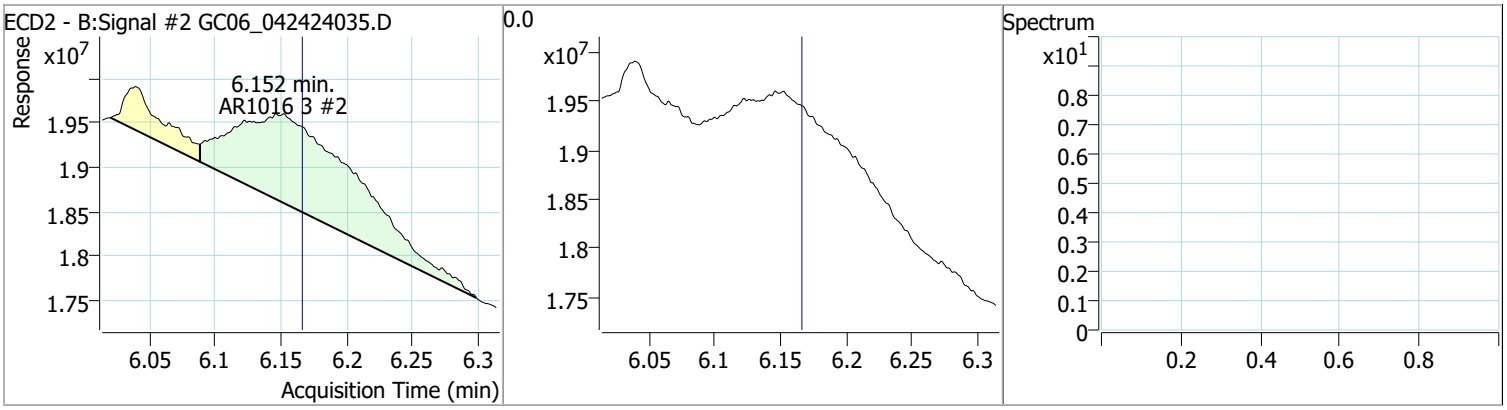
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	29.9860	5.70	0.00	2222770				



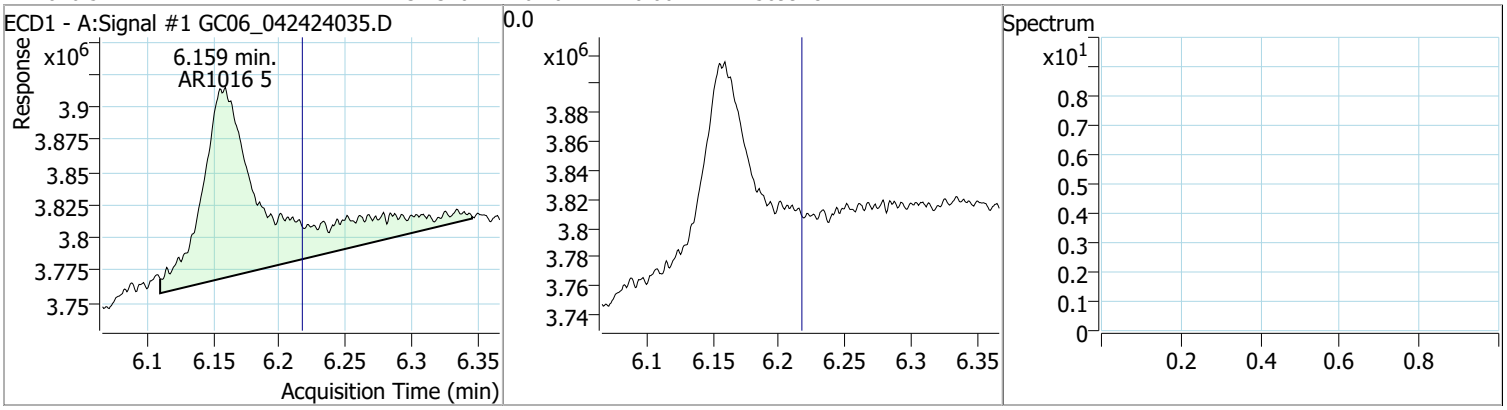
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 4	N.D.	5.81		



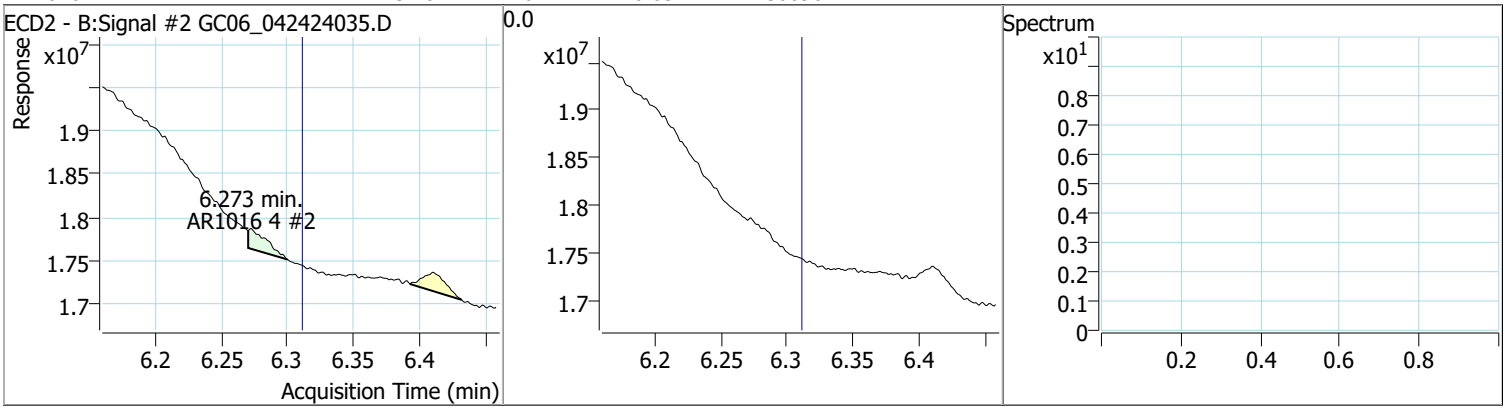
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	65.7672	6.15	-0.01	6752396				



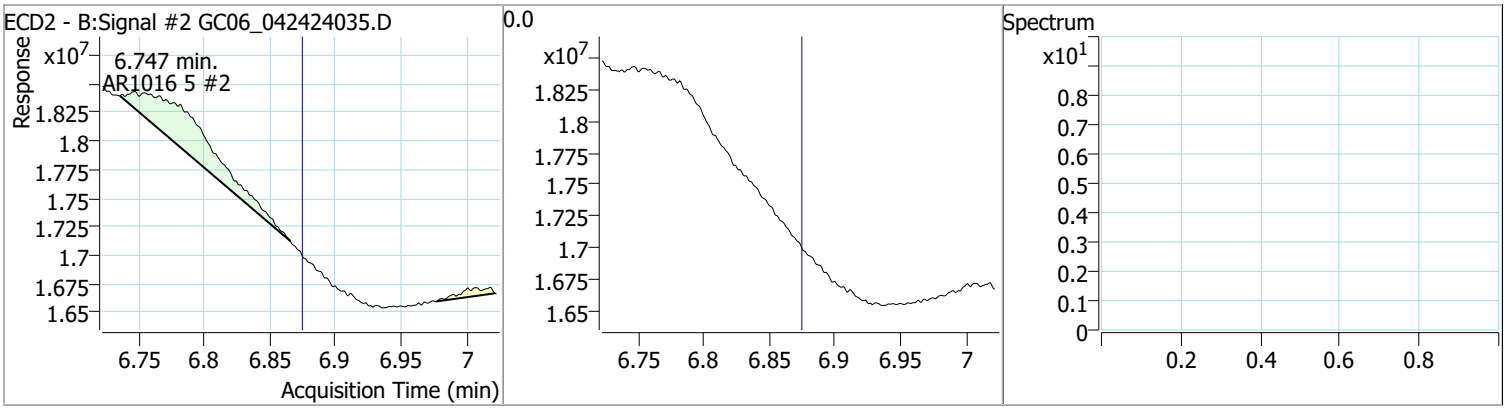
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	137.3404	6.16	-0.06	509978				



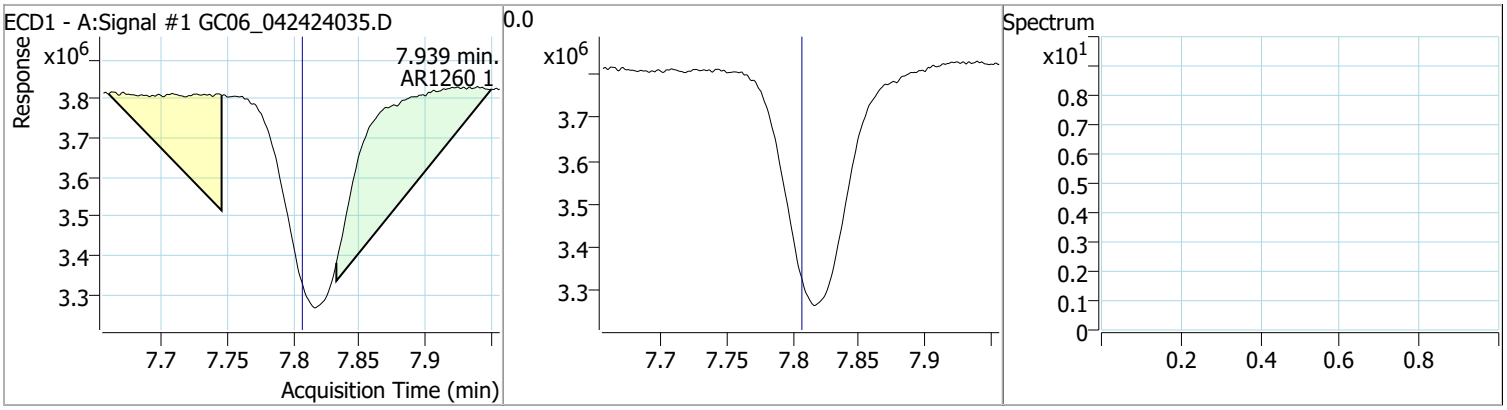
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	3.4022	6.27	-0.03	230896				



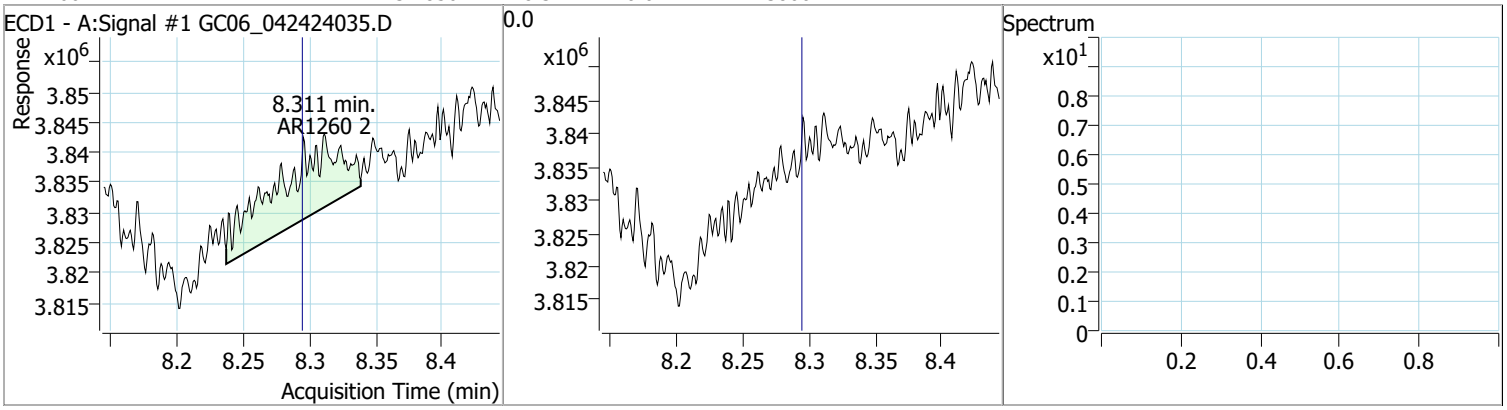
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	24.5981	6.75	-0.12	1397454				



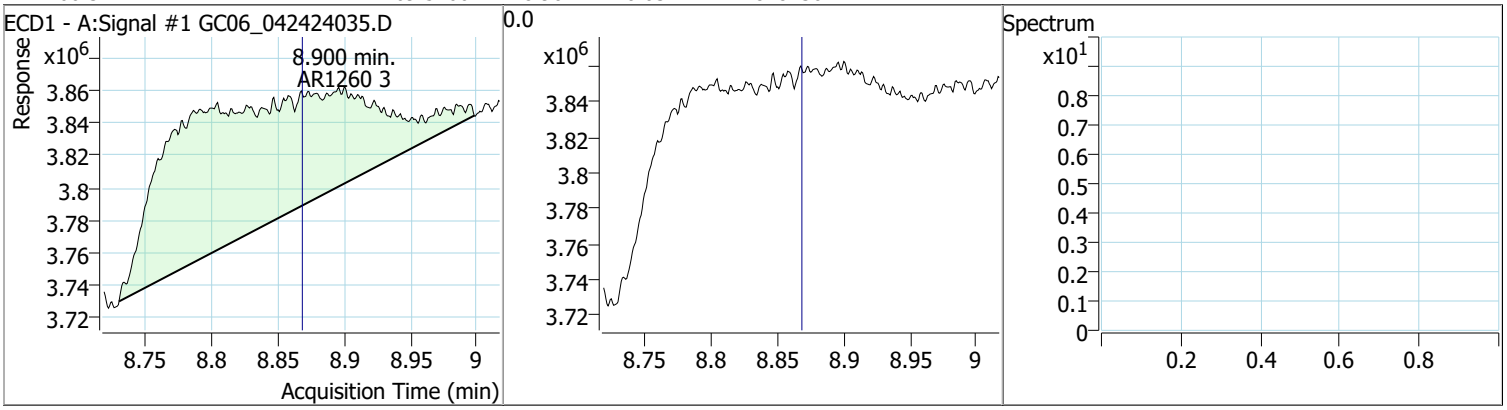
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	164.4657	7.94	0.13	1243853				



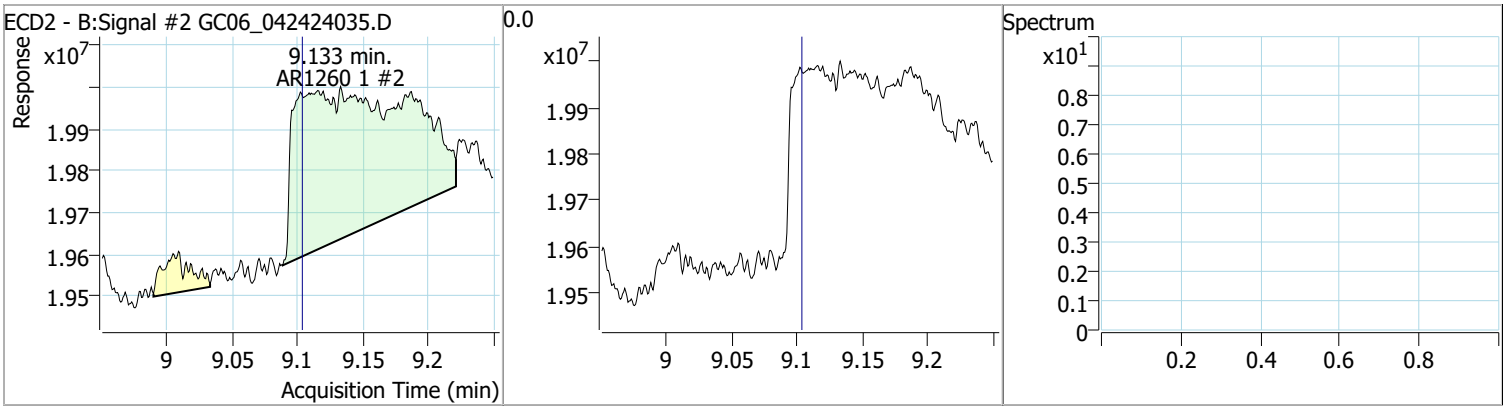
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	3.7856	8.31	0.02	43800				



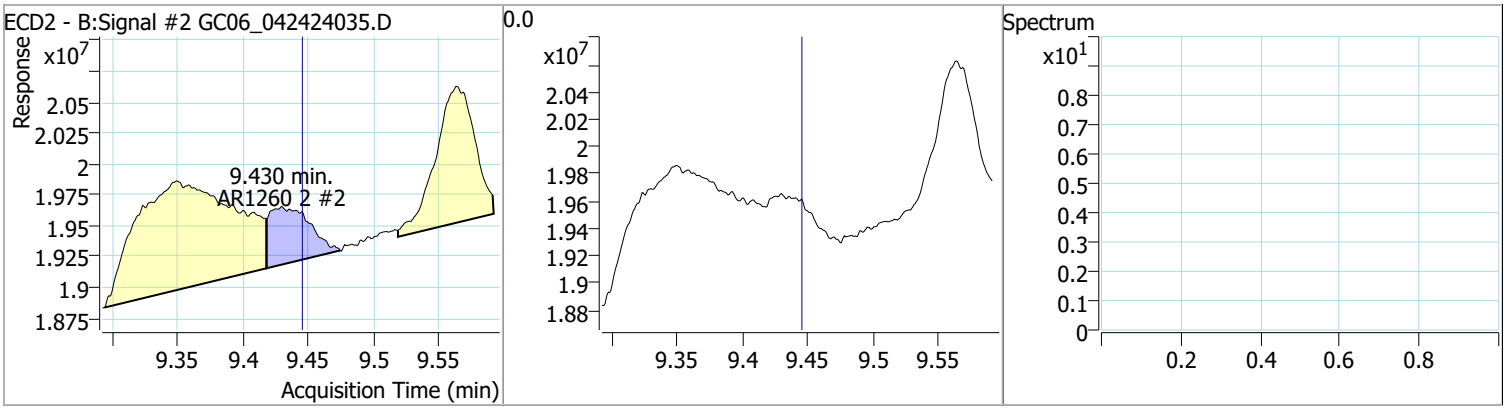
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	69.5760	8.90	0.03	848430				



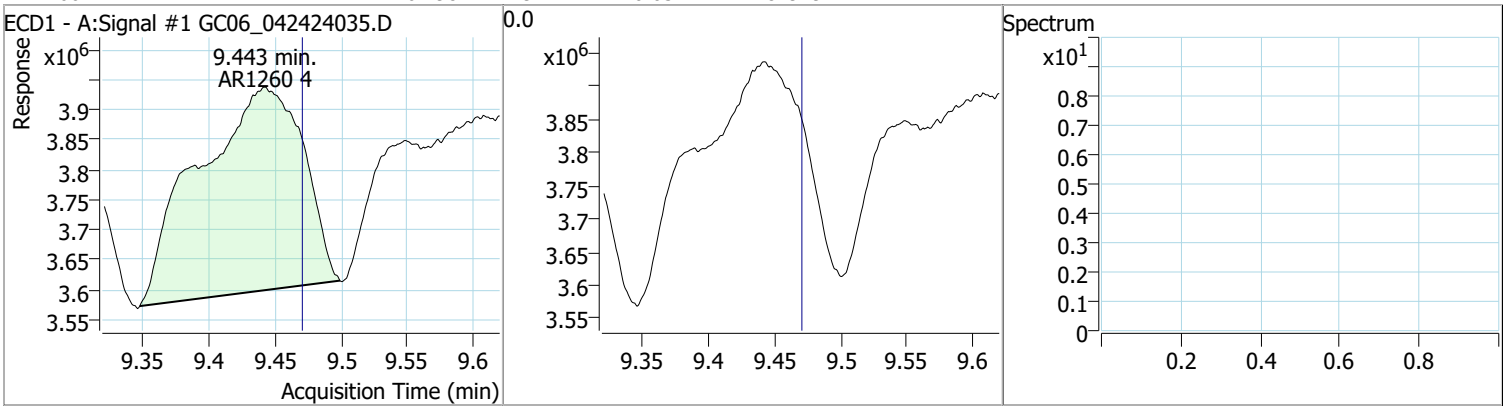
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	19.1651	9.13	0.03	2150927				



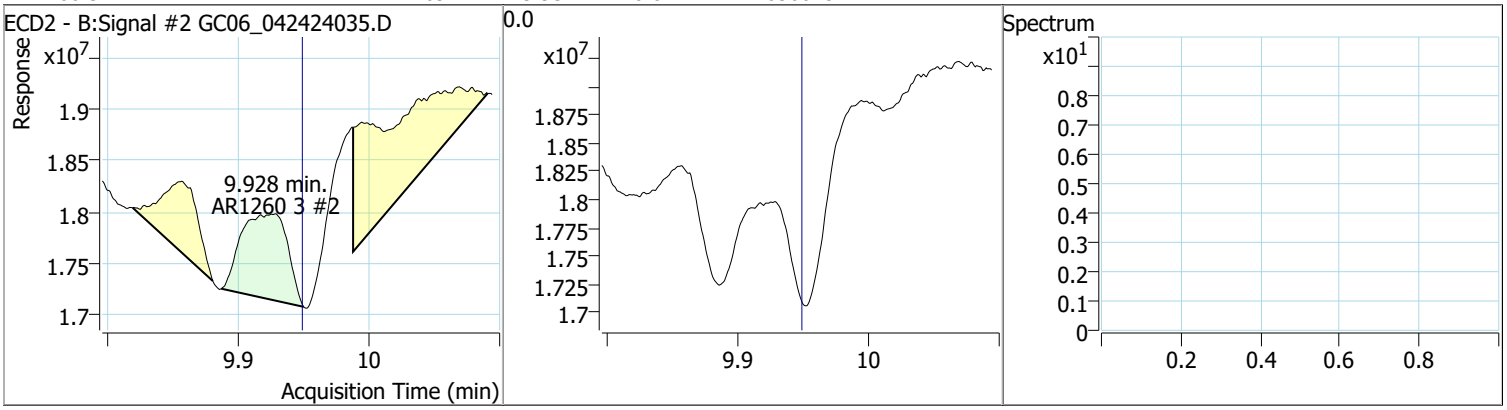
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	7.2284	9.43	-0.01	986848				



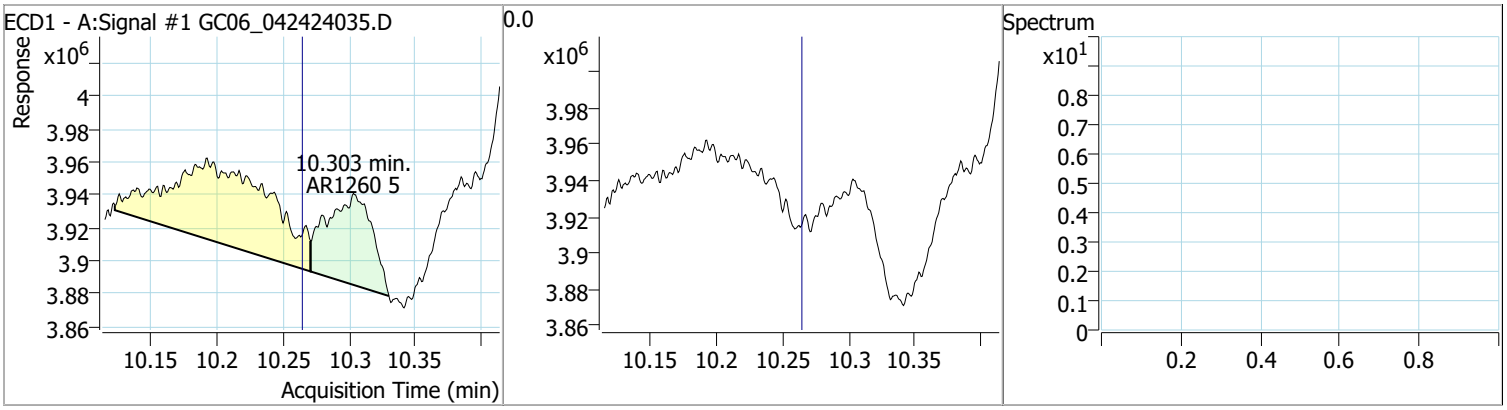
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	267.9812	9.44	-0.03	1879797				



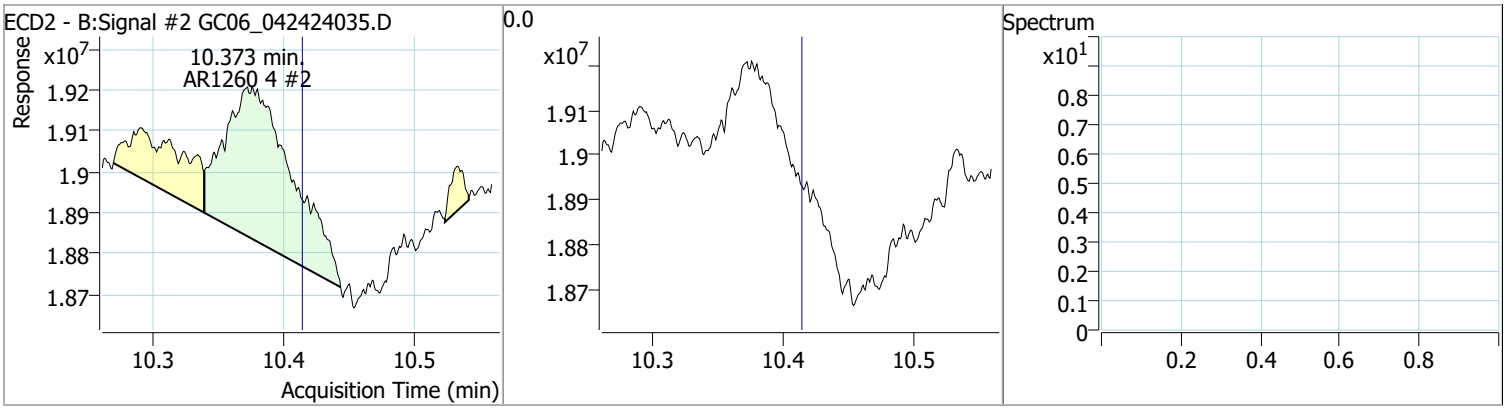
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	12.0944	9.93	-0.01	2036075				



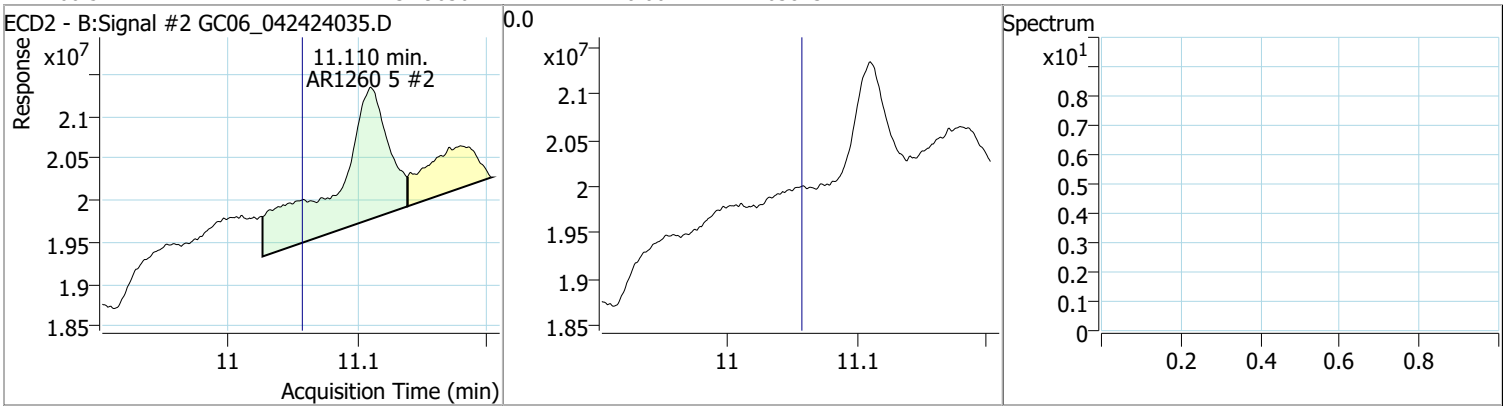
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	16.6878	10.30	0.04	130696				



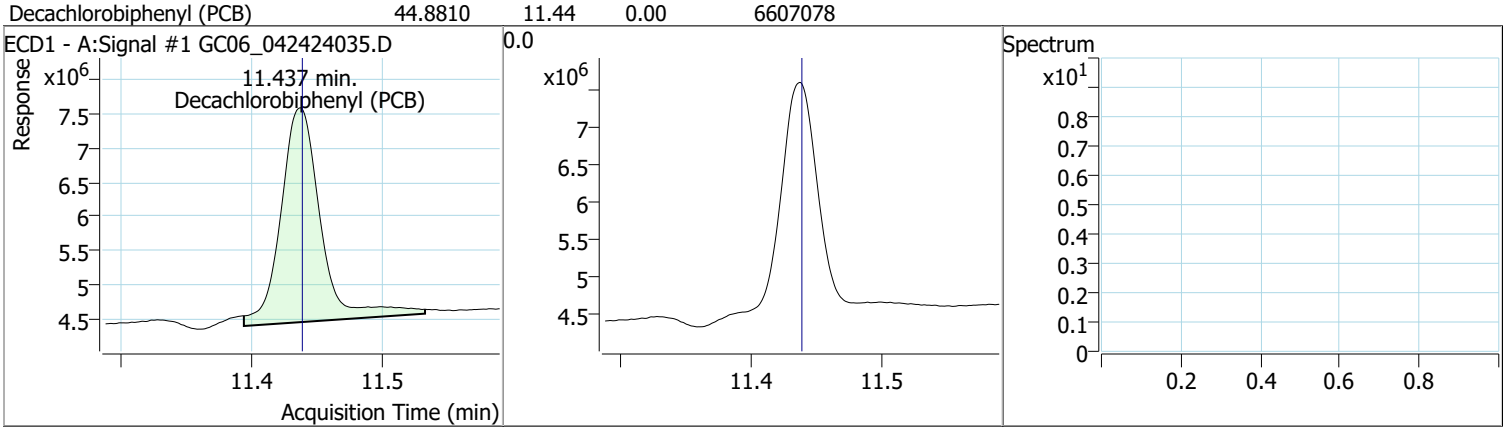
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	13.1271	10.37	-0.04	1374224				



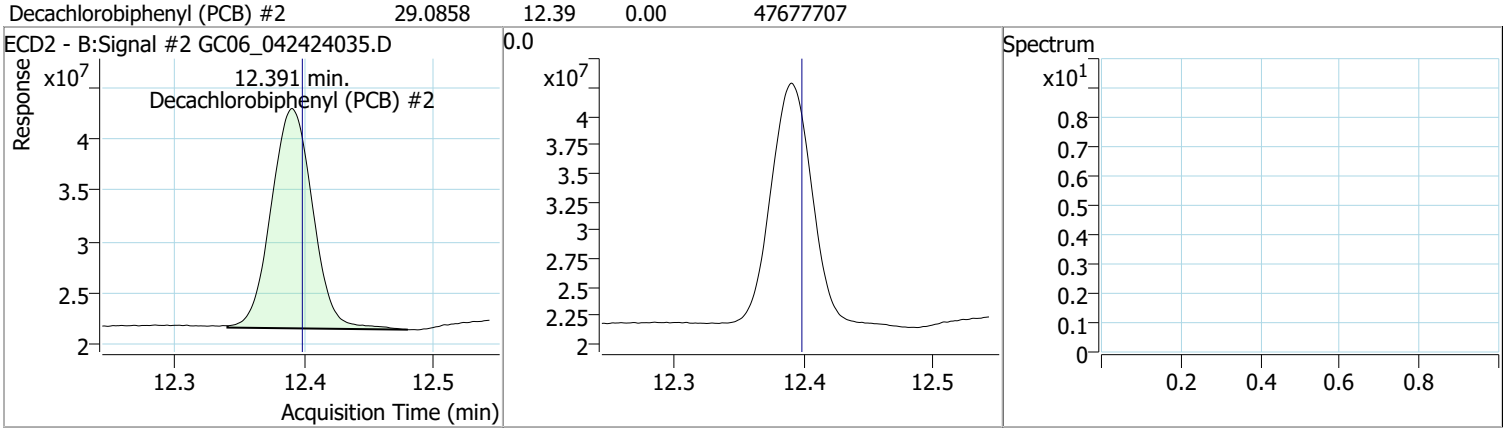
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	32.9036	11.11	0.06	4638131				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	44.8810	11.44	0.00	6607078				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.0858	12.39	0.00	47677707				



ENTHALPY SAMPLE USER REPORT FOR EPA 8082

Inst:	SVOA-GC06	Lab ID:	506868-023	Client ID:	AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-P-LA
Seqnum:	454166111036	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	gc06_042424036	Batch:	338600	Time:	24-APR-2024 19:41
Cal:	454124679002	Caldate:	26-MAR-2024		
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	Blank	Flags
Aroclor-1016	B	59.88	~~0.60~~ ~~FP~~	1.4	78%	0.50		x u
Aroclor-1016 Peak # 1	B	134.9	1.35	1.48	10%			
Aroclor-1016 Peak # 2	B	56.74	0.57	1.03	58%			
Aroclor-1016 Peak # 3	B	67.30	0.67	3.26	132%			
Aroclor-1016 Peak # 4	B	10.74	0.11	ND				
Aroclor-1016 Peak # 5	B	29.67	0.30	1.06	112%			
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	14.26	ND	1.4	162%	0.50		u
Aroclor-1260 Peak # 1	B	13.60	0.14	2.56	180%			
Aroclor-1260 Peak # 2	B	9.989	0.10	0.09	12%			
Aroclor-1260 Peak # 3	B	13.27	0.13	0.82	144%			
Aroclor-1260 Peak # 4	B	8.898	0.09	3.12	189%			
Aroclor-1260 Peak # 5	B	25.52	0.26	0.18	32%			
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	39.91	0.5000	0.3991	80	19-121	u
Decachlorobiphenyl (PCB)	B	29.19	0.5000	0.2919	58	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV Abund	SAMPLE Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	41686108	-9.20
1-bromo-2-nitrobenzene (PCB)	A	3177182	2362902	-25.63

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV RT	SAMPLE RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.83	0.00

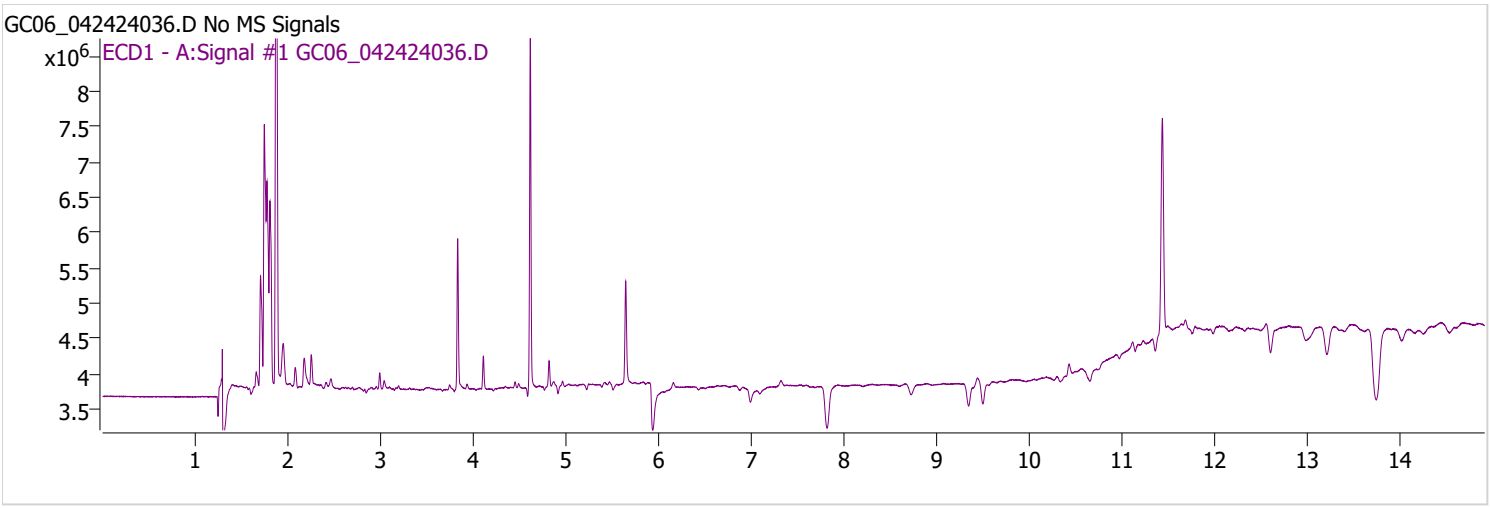
04/26/24 : WIPE/1dm3-10ML

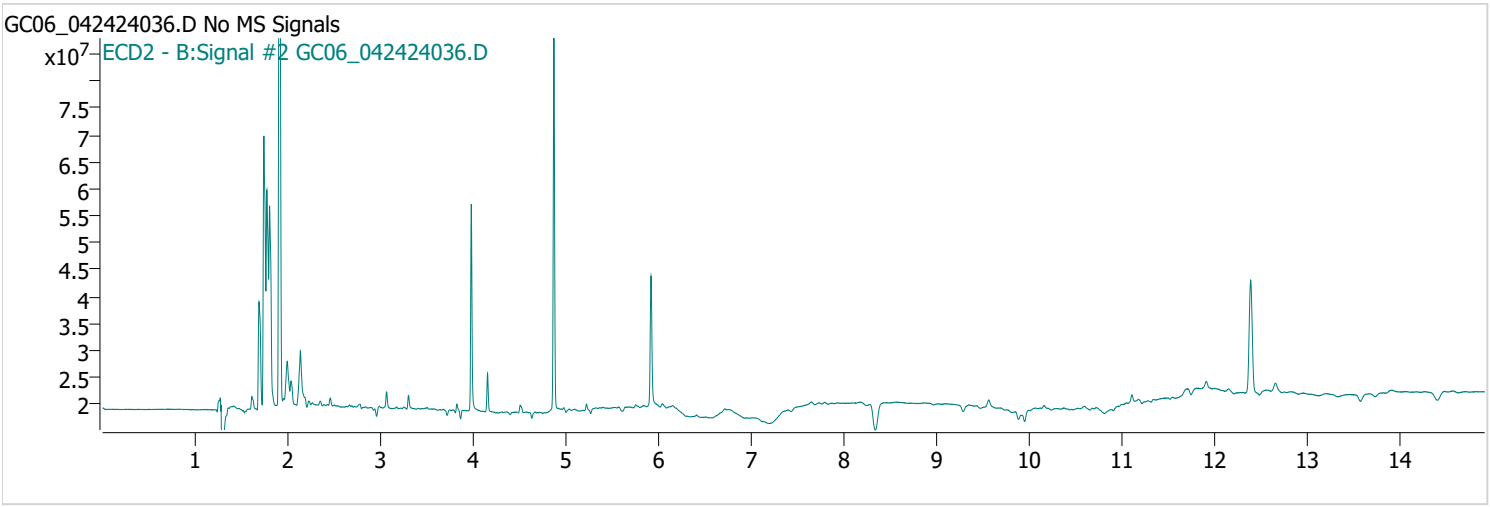
u=use x=false positive

Analyst: MES 04/26/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424036.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 7:41:45 PM
Sample Name	506868-023, 338600, 1	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



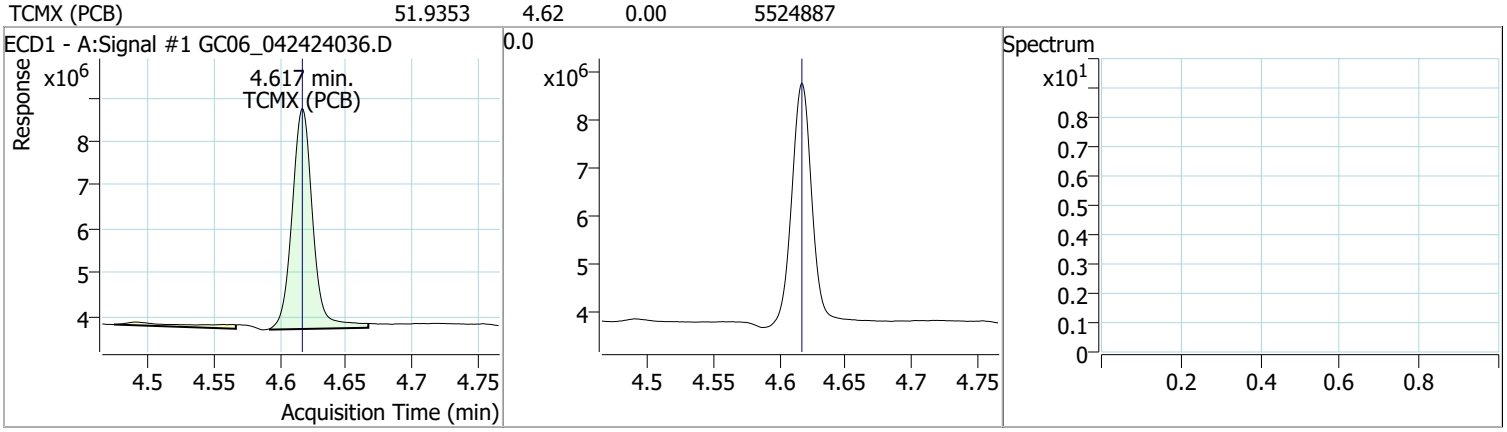


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.833	0.0	2362901.645	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.980	0.0	41686107.786	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.617	0.0	5524887.426	51.9353	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 259.68%		*	
S TCMX (PCB) #2	4.872	0.0	72135816.161	39.9062	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.53%		*	
S Decachlorobiphenyl (PCB)	11.440	0.0	6388675.707	45.4178	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 227.09%		*	
S Decachlorobiphenyl (PCB) #2	12.393	0.0	49746362.263	29.1915	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 145.96%			
Target Compounds							QValue

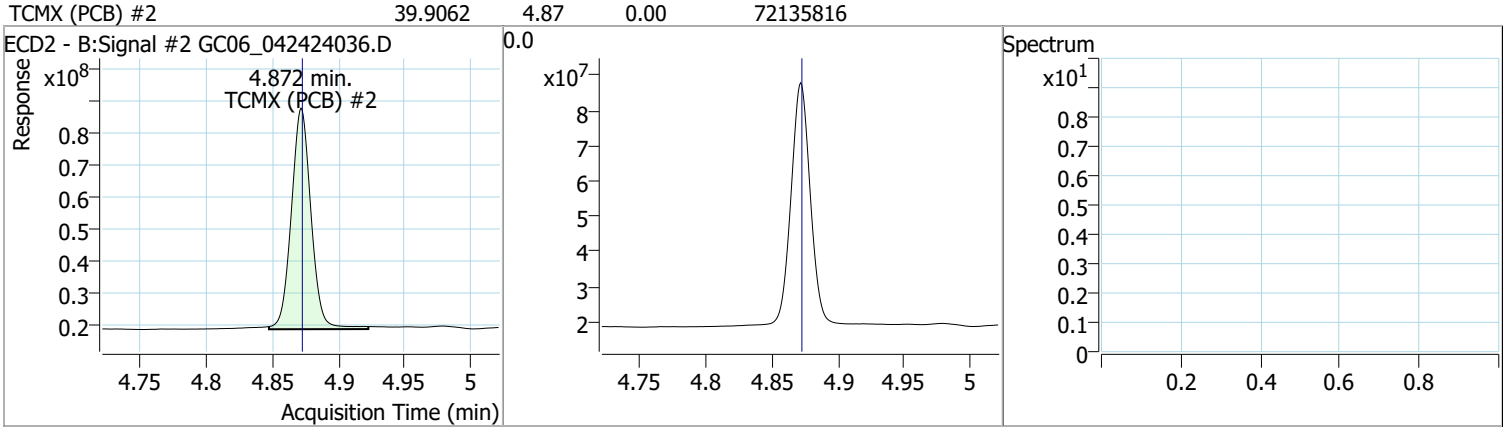
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.966	0.0	377132.698	148.4725	ng/ml	100
T AR1016 2	5.288	0.0	501979.777	102.6522	ng/ml	100
T AR1016 1 #2	5.398	0.0	5197236.227	134.9216	ng/ml	100
T AR1016 3	5.647	0.0	1957720.269	326.3792	ng/ml	100
T AR1016 2 #2	5.753	0.0	4372541.202	56.7397	ng/ml	100
T AR1016 4	0.000		0	N.D.		
T AR1016 3 #2	6.153	0.0	7183957.993	67.3046	ng/ml	100
T AR1016 5	6.160	0.0	374431.853	105.5312	ng/ml	100
T AR1016 4 #2	6.411	0.0	758012.150	10.7434	ng/ml	100
T AR1016 5 #2	6.755	0.0	1752594.419	29.6739	ng/ml	100
T AR1260 1	7.718	0.0	1849956.662	255.9939	ng/ml	100
T AR1260 2	8.313	0.0	97974.226	8.8621	ng/ml	100
T AR1260 3	8.894	0.0	949819.755	81.5166	ng/ml	100
T AR1260 1 #2	9.104	0.0	1587181.797	13.6032	ng/ml	100
T AR1260 2 #2	9.432	0.0	1417787.200	9.9892	ng/ml	100
T AR1260 4	9.445	0.0	2093562.835	312.3496	ng/ml	100
T AR1260 3 #2	9.927	0.0	2321824.143	13.2662	ng/ml	100
T AR1260 5	10.305	0.0	137650.476	18.3939	ng/ml	100
T AR1260 4 #2	10.383	0.0	968358.312	8.8977	ng/ml	100
T AR1260 5 #2	11.110	0.0	3739931.091	25.5208	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

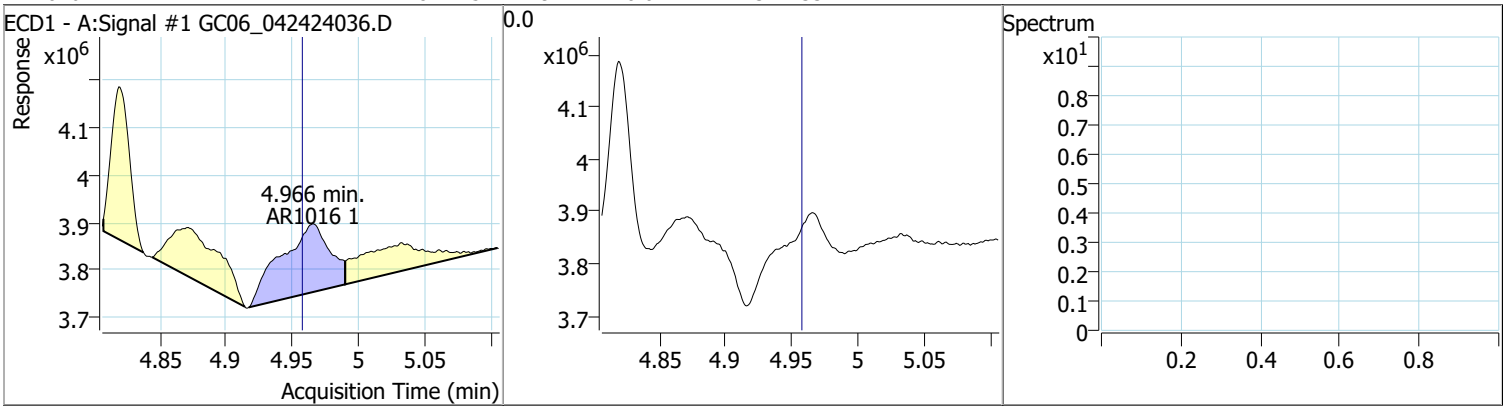
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	51.9353	4.62	0.00	5524887				



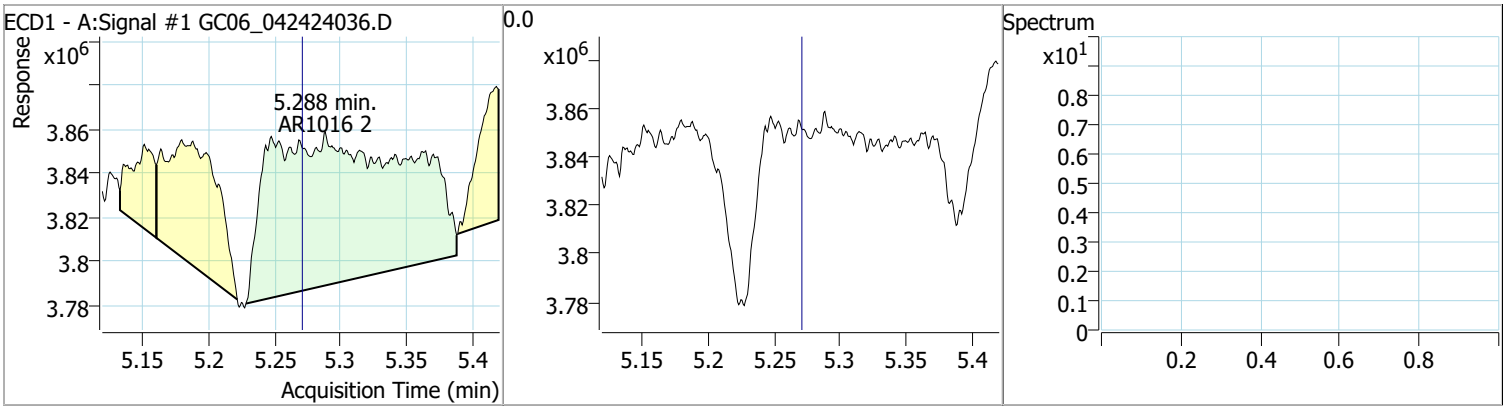
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	39.9062	4.87	0.00	72135816				



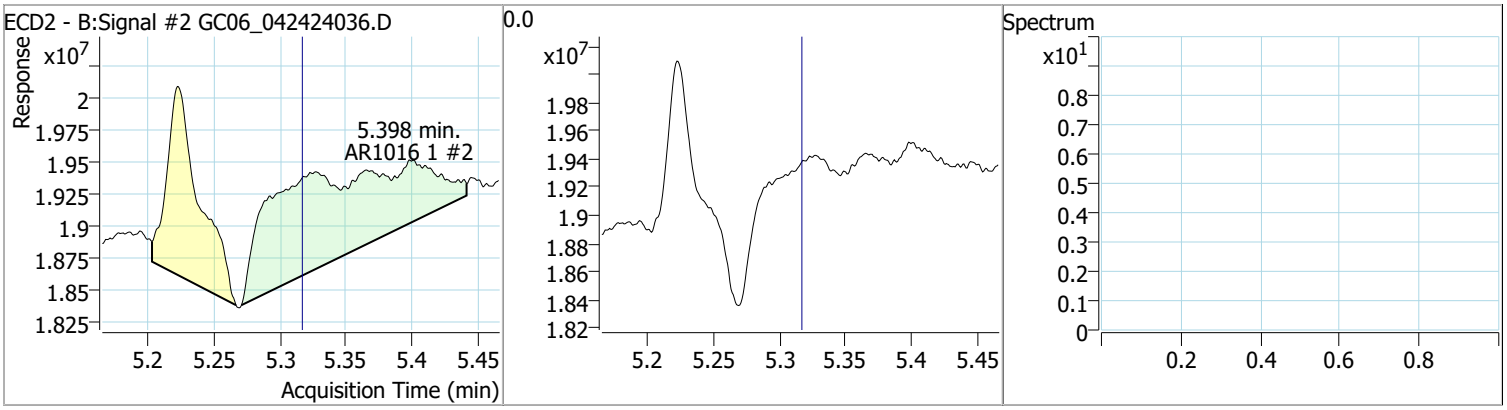
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	148.4725	4.97	0.01	377133				



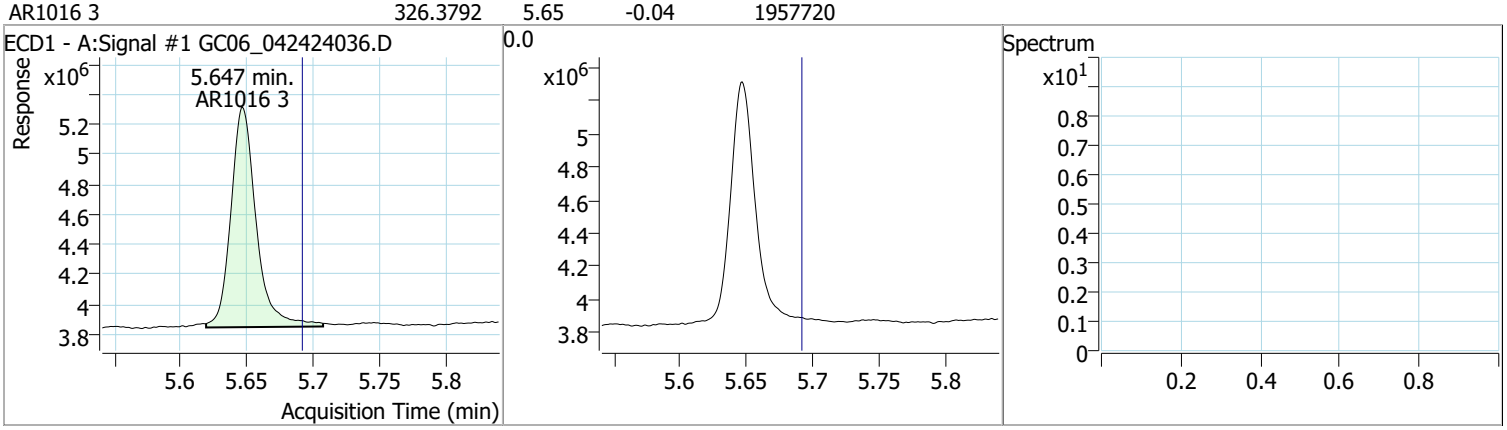
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	102.6522	5.29	0.02	501980				



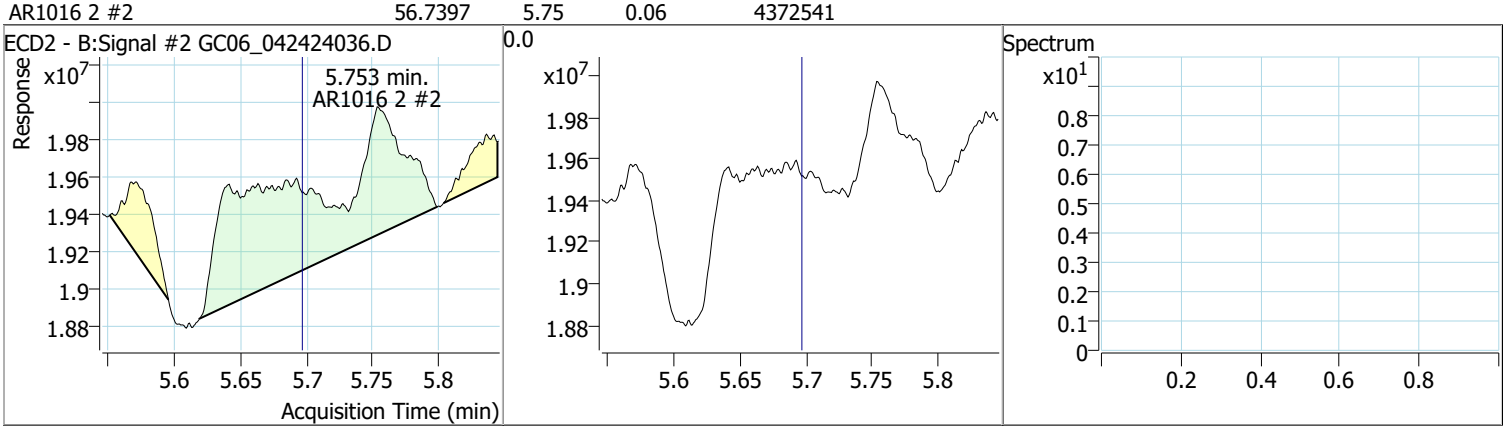
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	134.9216	5.40	0.08	5197236				



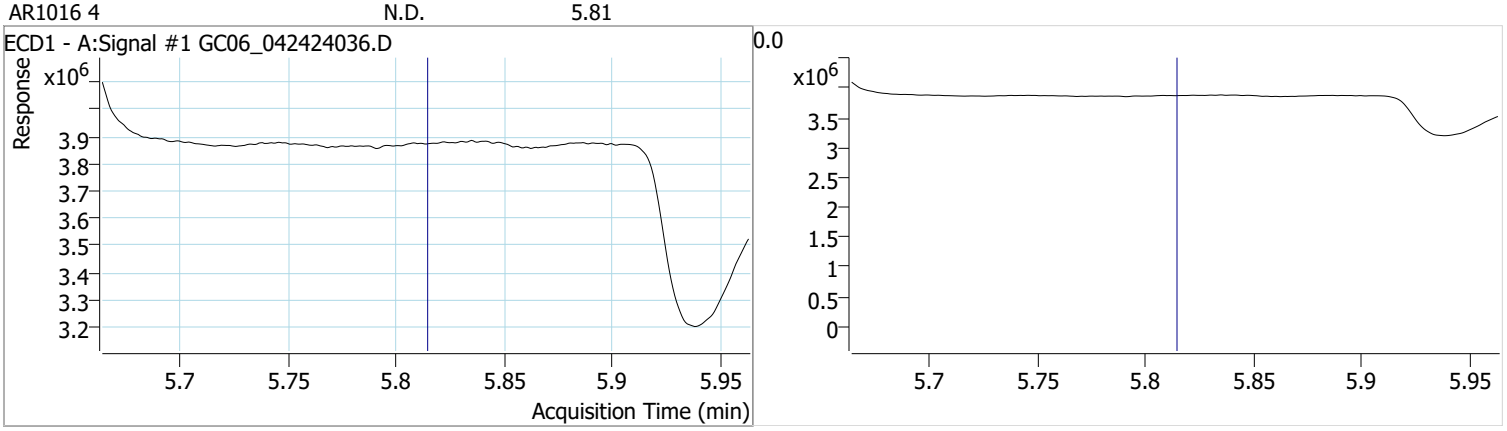
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	326.3792	5.65	-0.04	1957720				



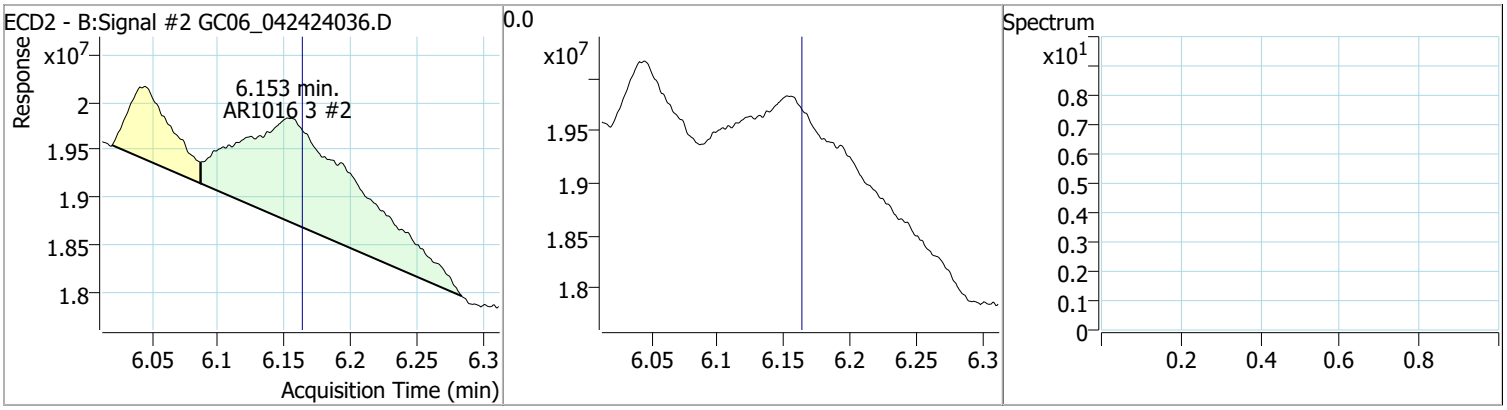
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	56.7397	5.75	0.06	4372541				



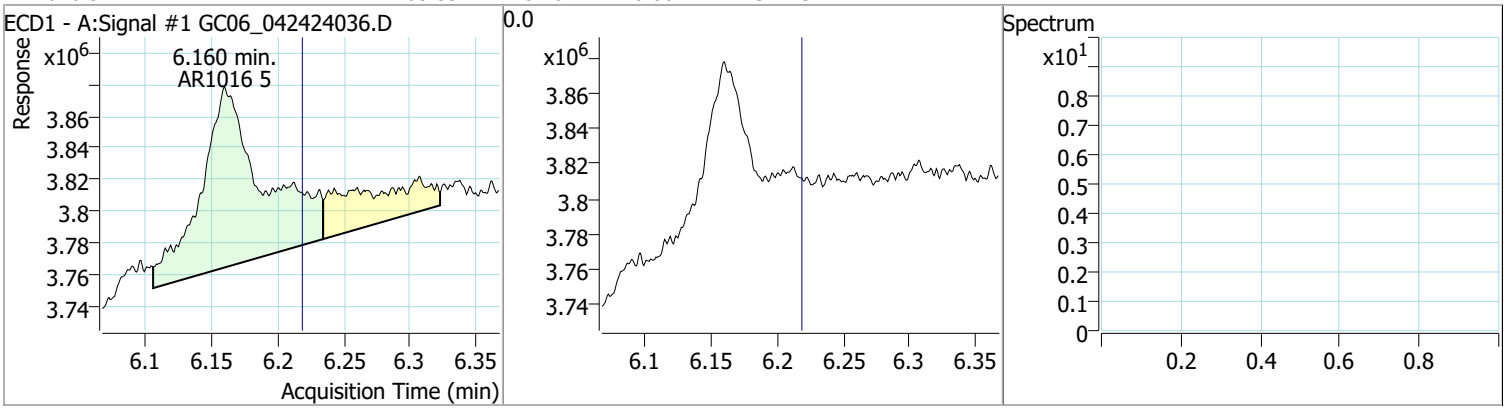
Compound	Conc.	Exp RT	QIon	Exp Ratio
AR1016 4	N.D.	5.81		



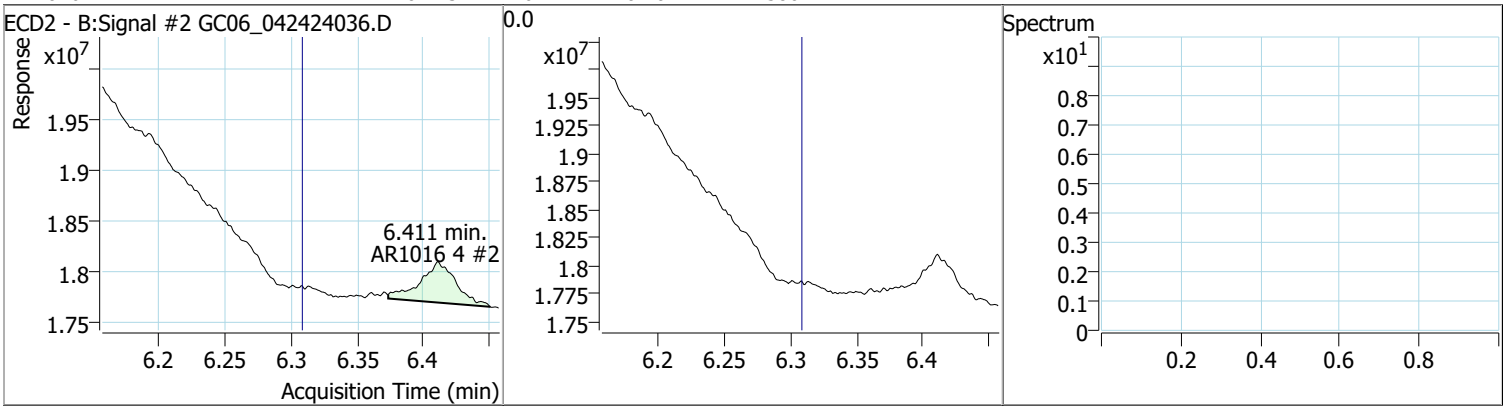
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	67.3046	6.15	-0.01	7183958				



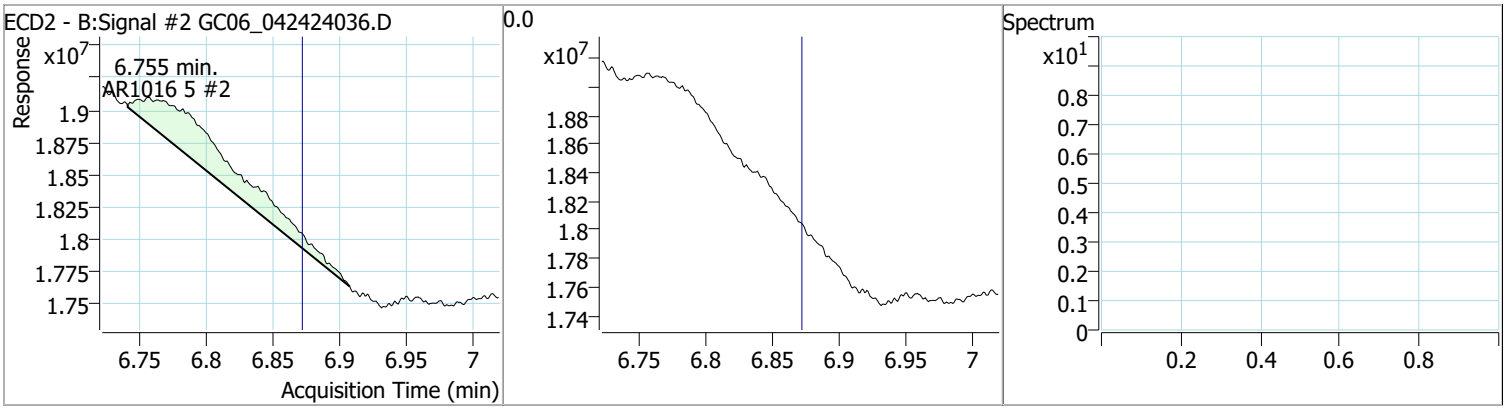
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	105.5312	6.16	-0.06	374432				



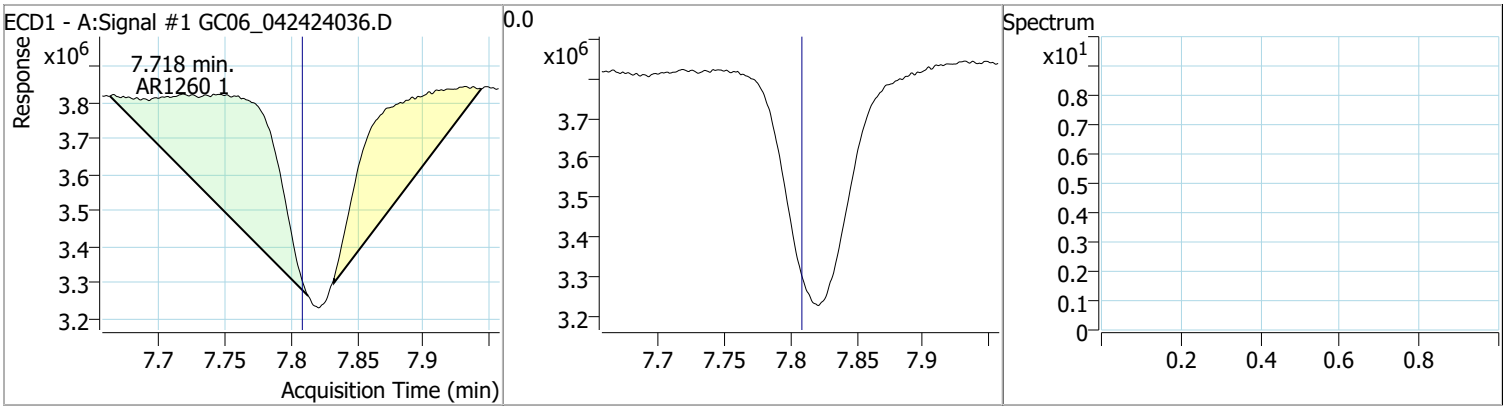
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	10.7434	6.41	0.10	758012				



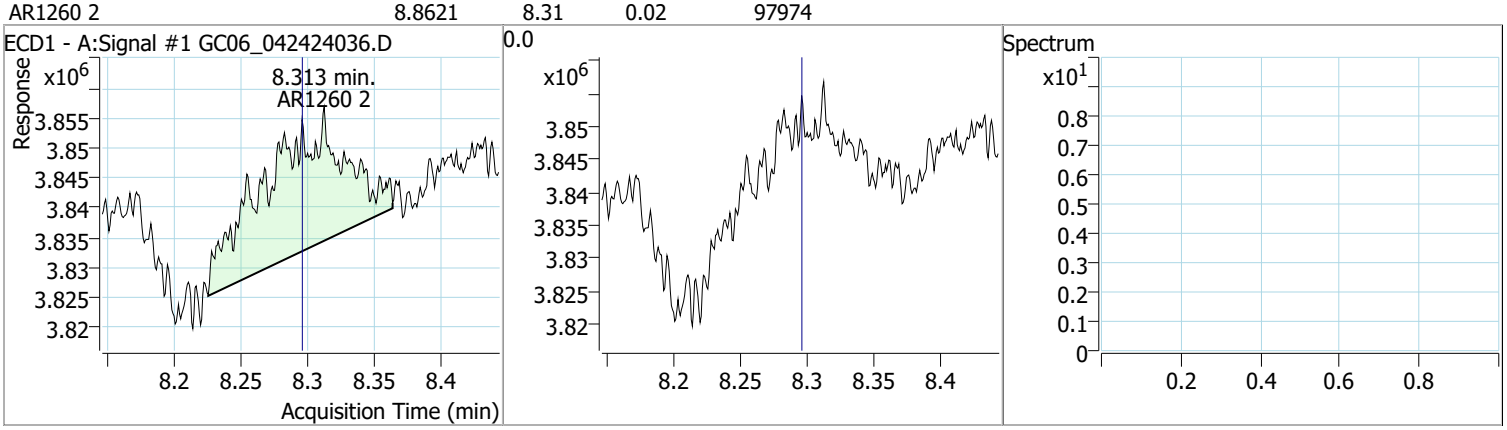
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	29.6739	6.76	-0.12	1752594				



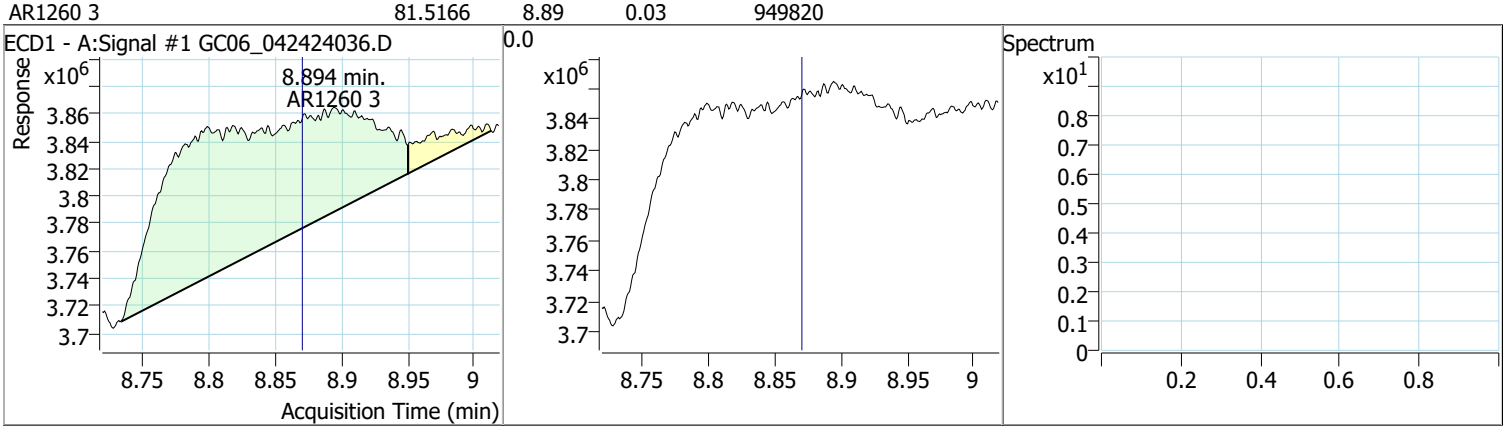
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	255.9939	7.72	-0.09	1849957				



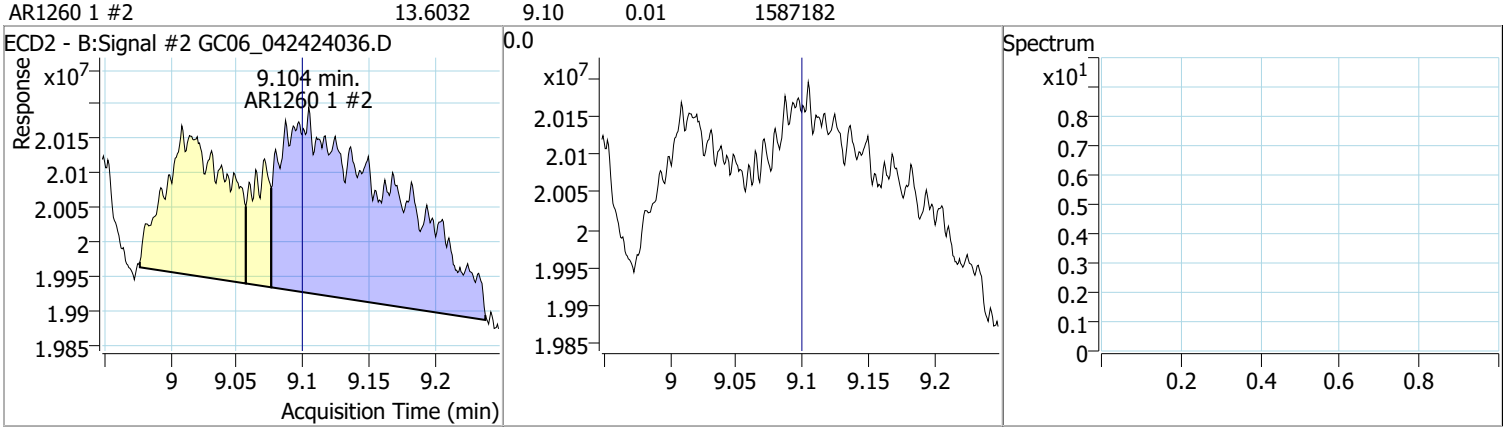
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	8.8621	8.31	0.02	97974				



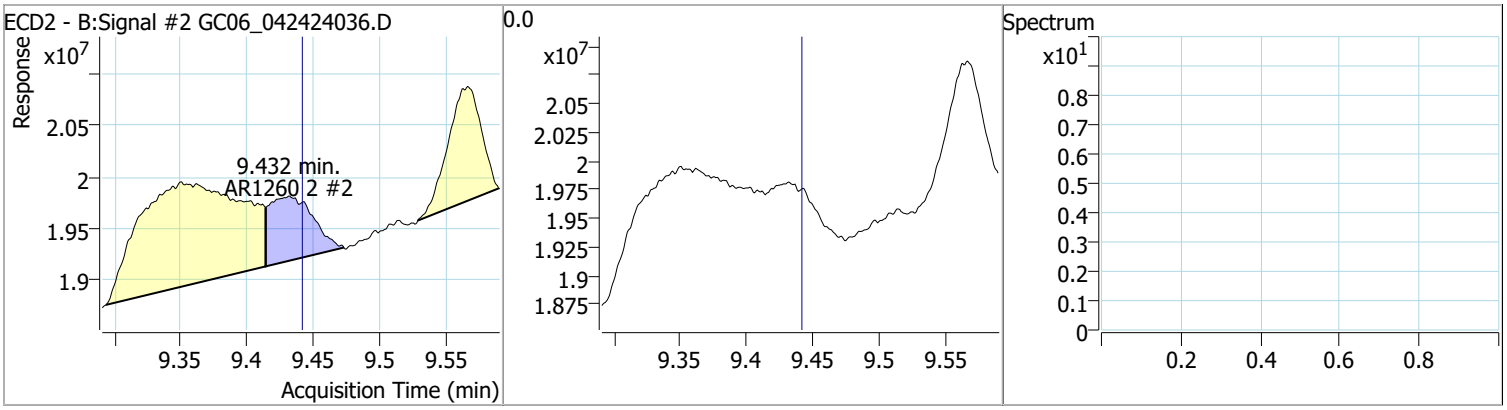
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	81.5166	8.89	0.03	949820				



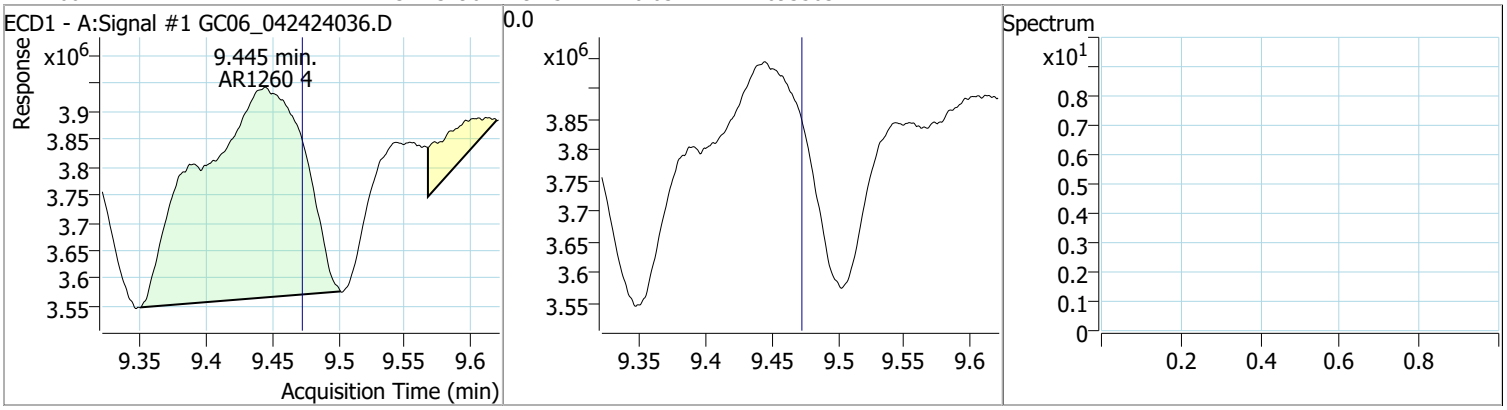
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	13.6032	9.10	0.01	1587182				



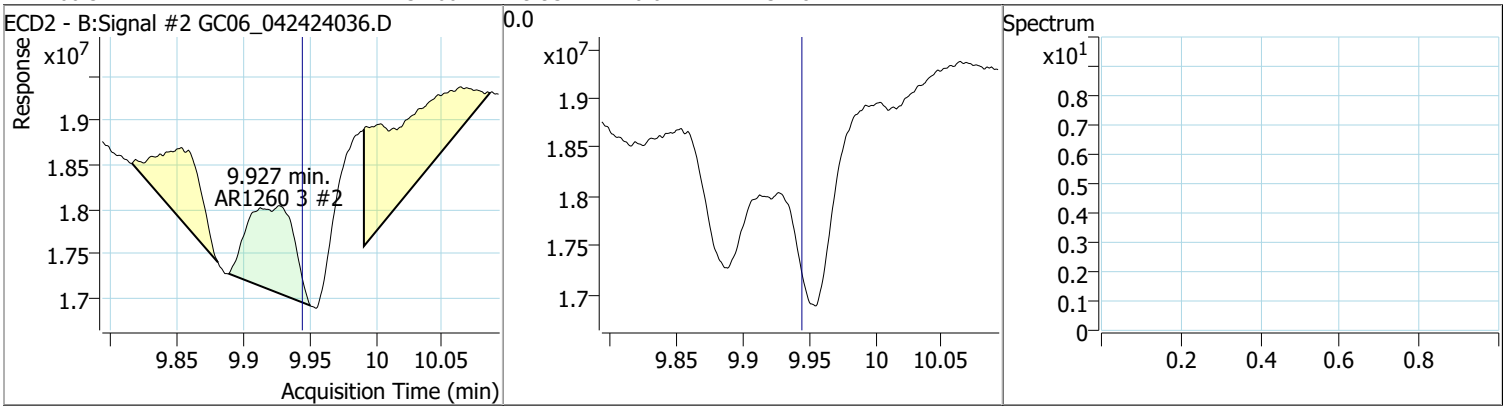
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	9.9892	9.43	-0.01	1417787				



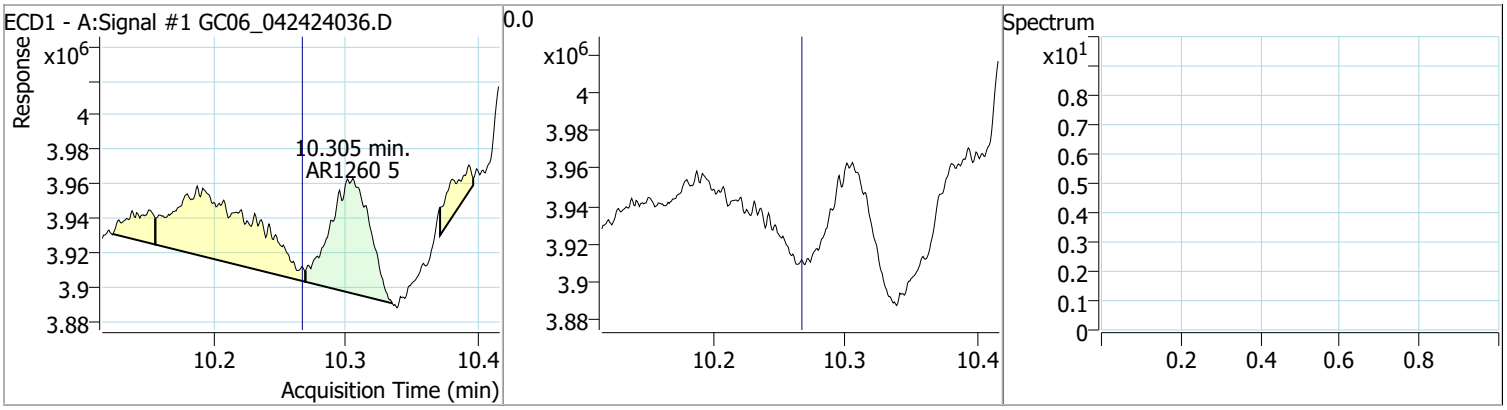
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	312.3496	9.45	-0.03	2093563				



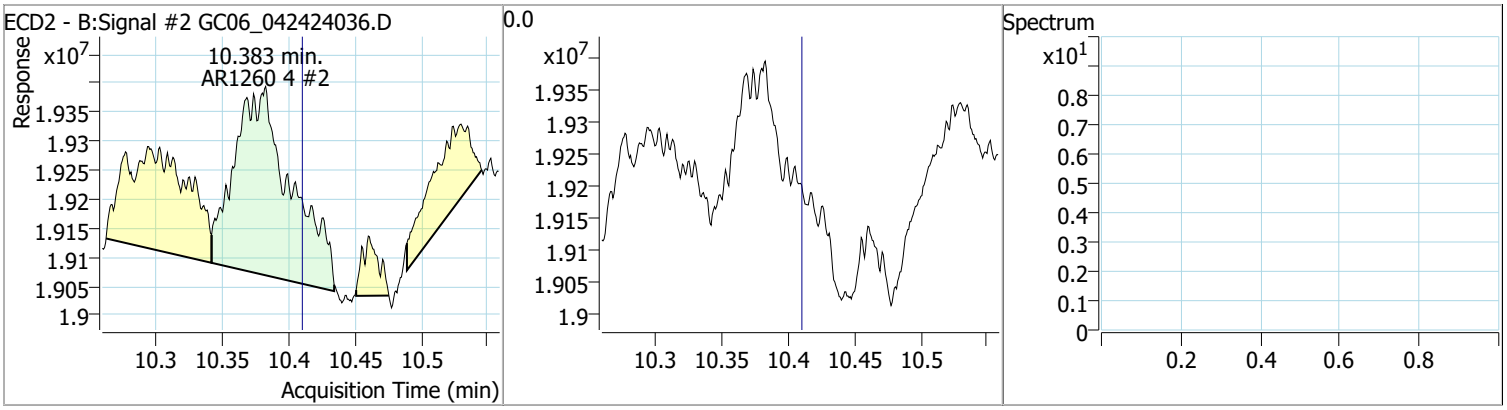
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	13.2662	9.93	-0.02	2321824				



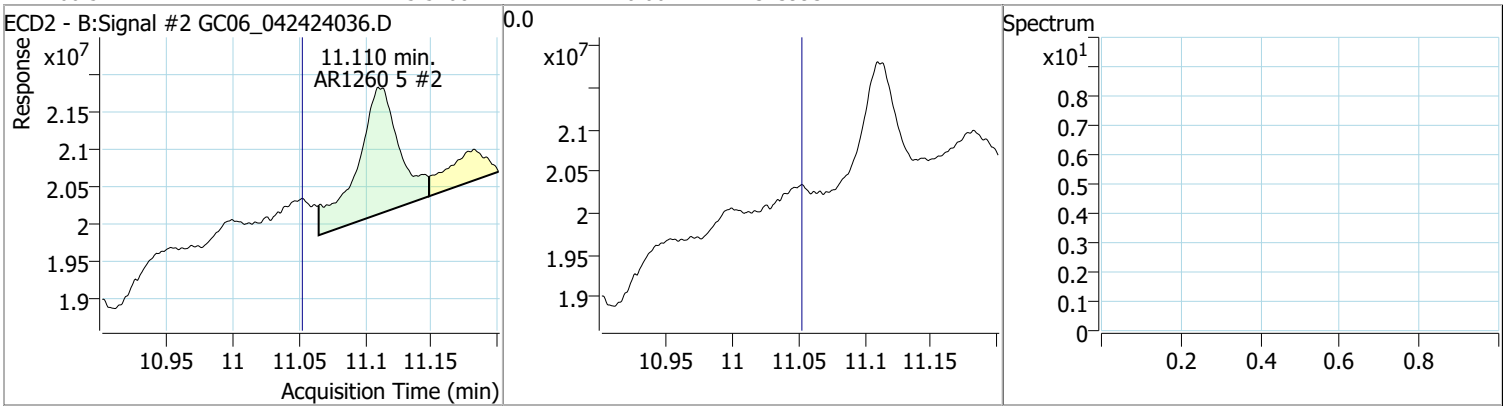
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	18.3939	10.31	0.04	137650				



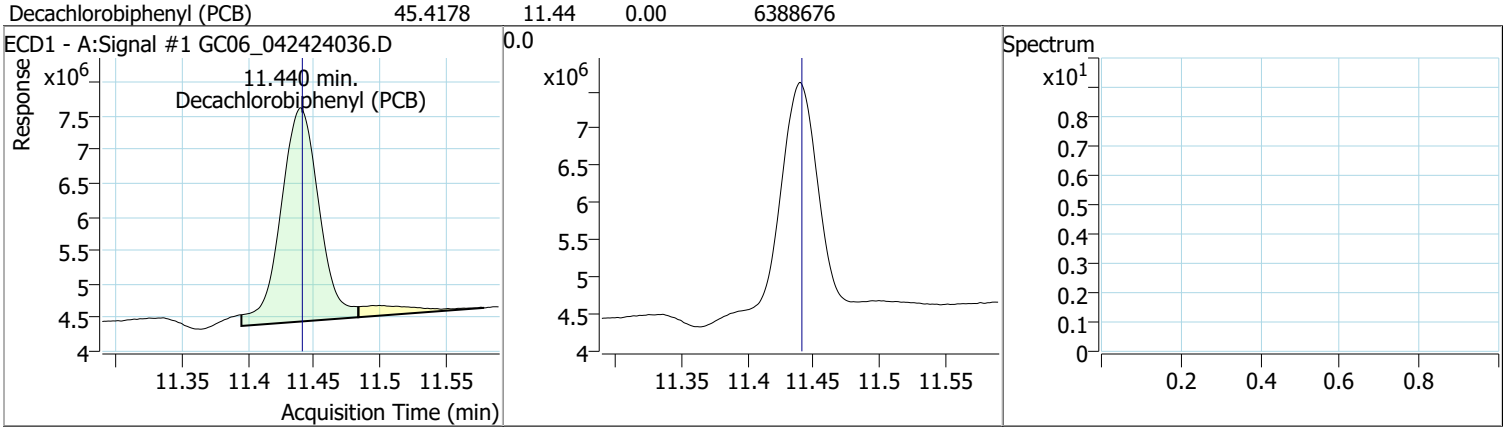
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	8.8977	10.38	-0.03	968358				



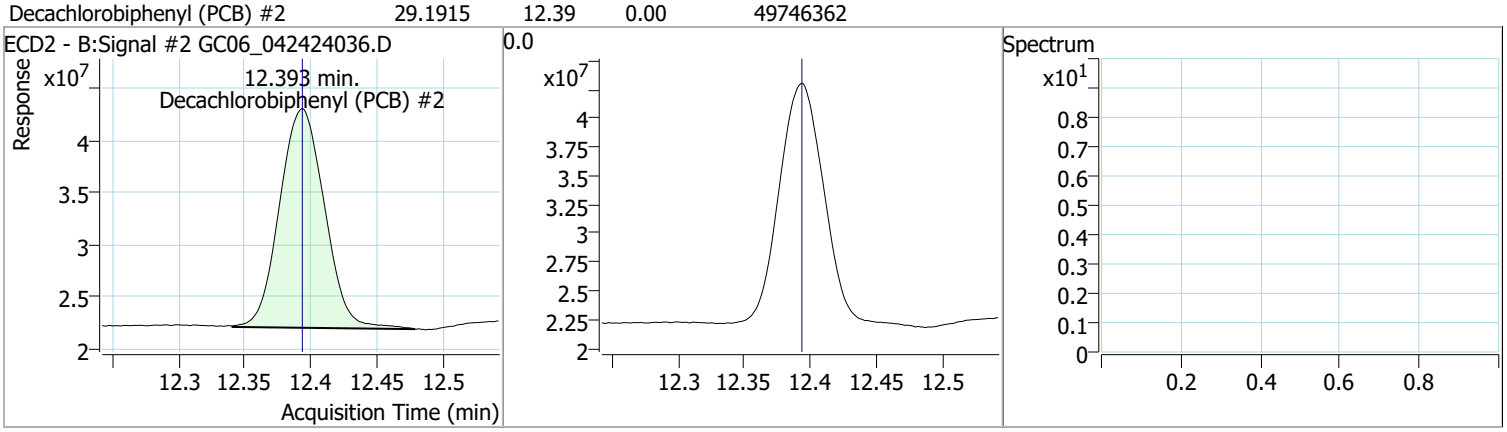
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	25.5208	11.11	0.06	3739931				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	45.4178	11.44	0.00	6388676				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	29.1915	12.39	0.00	49746362				



QC Raw Data

ENTHALPY BLANK USER REPORT FOR 506868 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Lab ID:	QC1147336		
Seqnum:	454166111022.1	Matrix:	Wipe		
File:	gc06_042424022	Batch:	338600	Time:	24-APR-2024 14:49
Cal:	454124679002	Caldate:	26-MAR-2024		
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	19.13	ND	3.5	179%	0.50	u
Aroclor-1016 Peak # 1	B	27.78	0.28	1.09	119%		
Aroclor-1016 Peak # 2	B	46.01	0.46	0.87	62%		
Aroclor-1016 Peak # 3	B	14.58	0.15	0.01	175%		
Aroclor-1016 Peak # 4	B	0.7625	0.01	13.00	200%		
Aroclor-1016 Peak # 5	B	6.496	0.06	2.29	189%		
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	8.946	ND	1.2	173%	0.50	u
Aroclor-1260 Peak # 1	B	3.879	0.04	2.83	195%		
Aroclor-1260 Peak # 2	B	28.31	0.28	0.07	121%		
Aroclor-1260 Peak # 3	B	9.927	0.10	0.68	149%		
Aroclor-1260 Peak # 4	B	1.974	0.02	2.61	197%		
Aroclor-1260 Peak # 5	B	0.6414	0.01	0.05	156%		
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	40.46	0.5000	0.4046	81	19-121	u
Decachlorobiphenyl (PCB)	B	30.67	0.5000	0.3067	61	19-121	u

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV Abund	BLANK Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	50279440	9.51
1-bromo-2-nitrobenzene (PCB)	A	3177182	2014415	-36.60

NO INTERNAL STANDARD REFERENCE RUN FOUND FOR CCV+CCV/BS+CCV/LCS+ICAL+ICV+ICV/BS+ICV/CCV+ICV/LCS+OCCV+RCCV+RICV(internal standard: 1BR2NITROBZ1268, 1BR2NITROBZ1262, 1BR2NITROBZ1232, 1BR2NITROBZ1248, 1BR2NITROBZ1242, 1BR2NITROBZ1221, 1BR2NITROBZ1254)

ISTD (CCV gc06_042424016)	Ch	CCV RT	BLANK RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.83	0.00

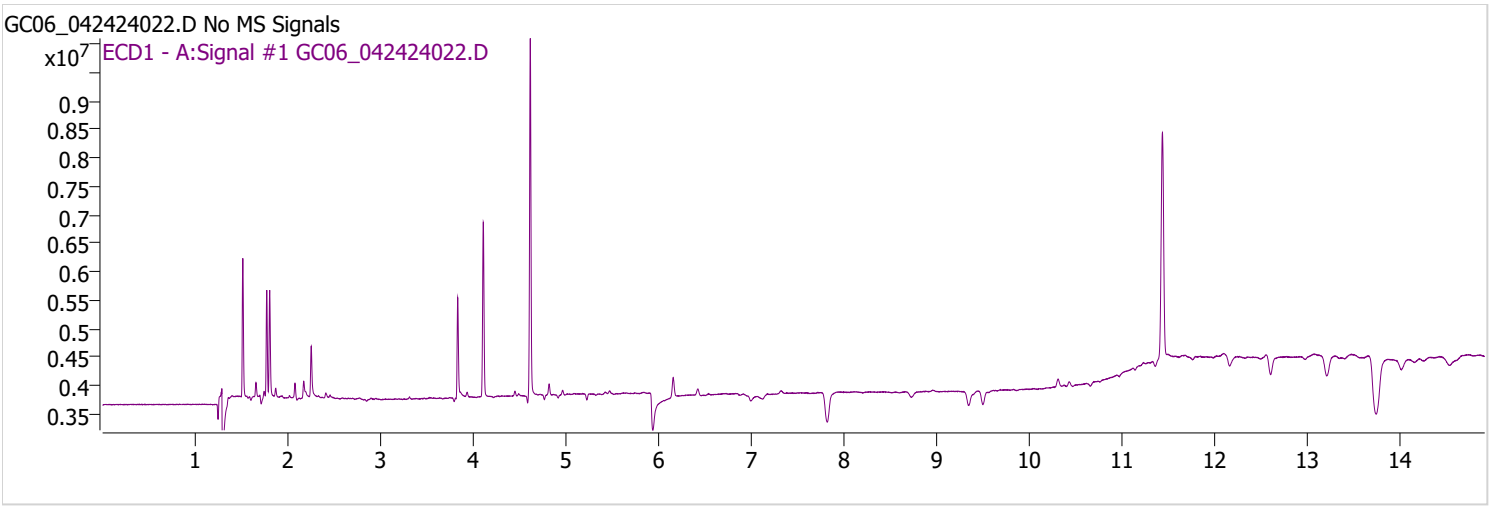
04/26/24 : WIPE/1dm3-10ML [general version]

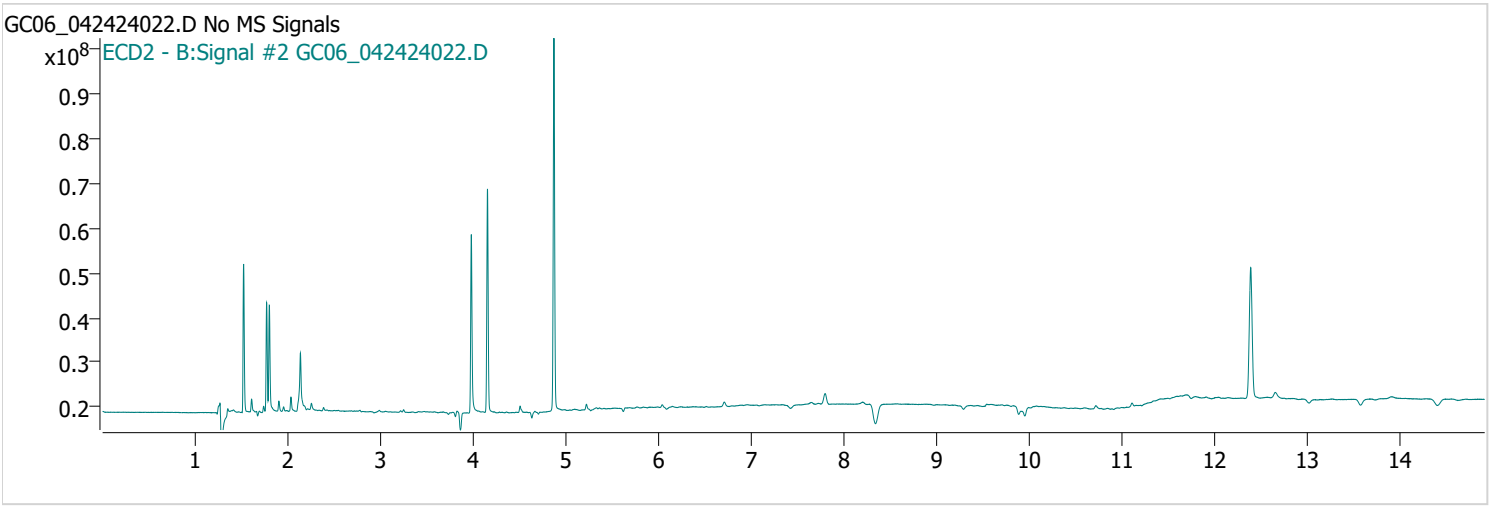
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Analyst: MES 04/26/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424022.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 2:49:16 PM
Sample Name	QC1147336, 338600, 1	Instrument	SVOA-GC06
Vial	1	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



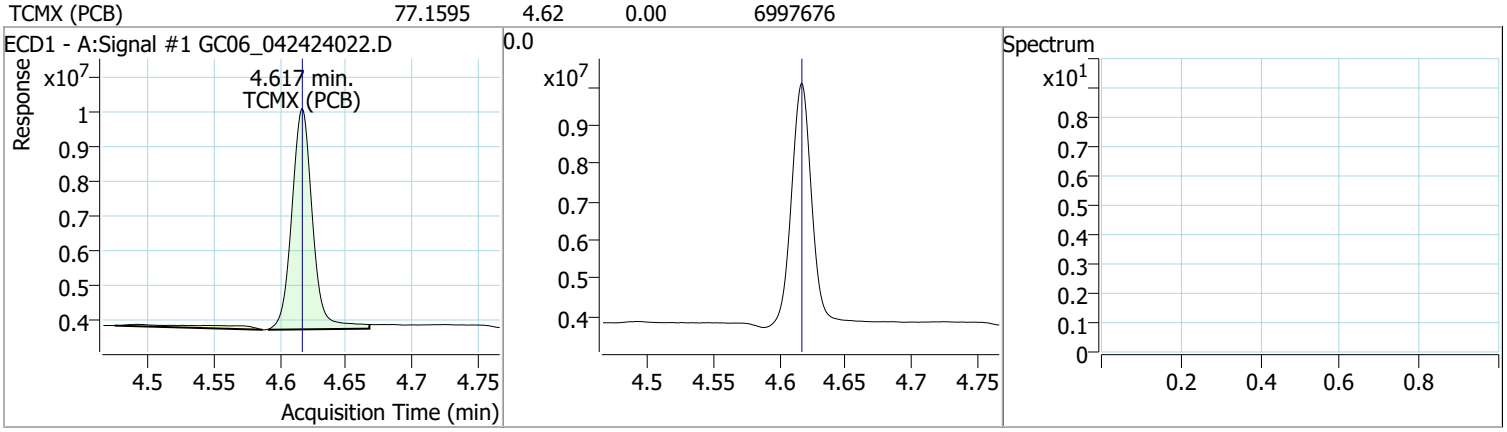


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.833	0.0	2014415.272	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.980	0.0	50279439.600	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.617	0.0	6997675.855	77.1595	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 385.80%		*	
S TCMX (PCB) #2	4.872	0.0	88216162.192	40.4612	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 202.31%		*	
S Decachlorobiphenyl (PCB)	11.439	0.0	7783767.986	64.9085	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 324.54%		*	
S Decachlorobiphenyl (PCB) #2	12.393	0.0	63044990.326	30.6723	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 153.36%		*	
Target Compounds							QValue

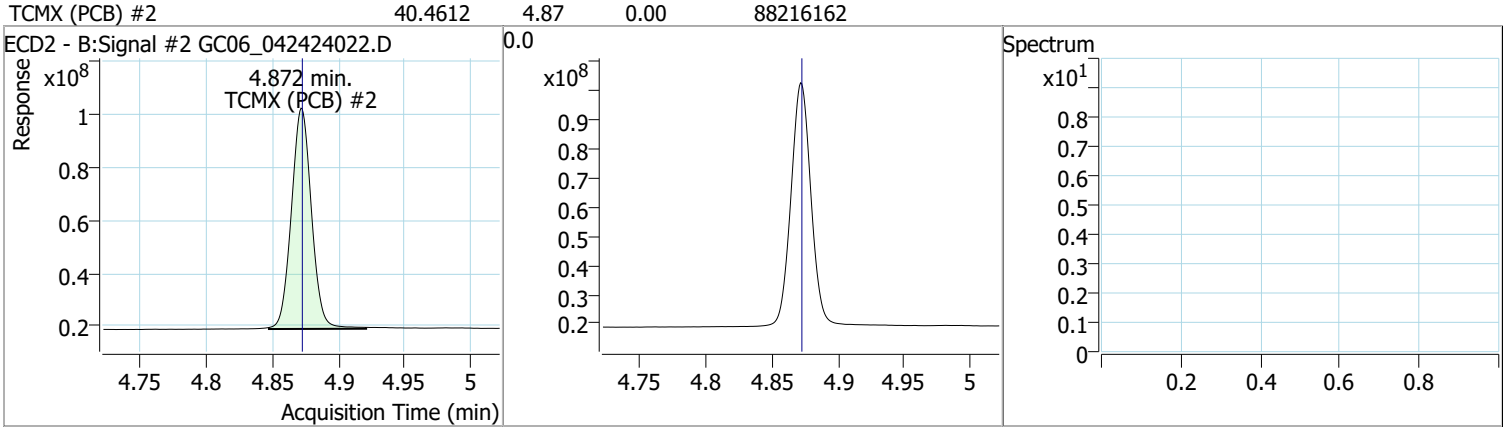
Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
T AR1016 1	4.965	0.0	236347.062	109.1437	ng/ml	100
T AR1016 2	5.283	0.0	364075.166	87.3312	ng/ml	100
T AR1016 1 #2	5.333	0.0	1290875.841	27.7840	ng/ml	100
T AR1016 3	5.689	0.0	4933.615	0.9648	ng/ml	100
T AR1016 2 #2	5.771	0.0	4276690.772	46.0110	ng/ml	100
T AR1016 4	5.847	0.0	4692971.399	1299.8642	ng/ml	100
T AR1016 3 #2	6.149	0.0	1877662.669	14.5848	ng/ml	100
T AR1016 5	6.159	0.0	692346.308	228.8908	ng/ml	100
T AR1016 4 #2	6.313	0.0	64886.231	0.7625	ng/ml	100
T AR1016 5 #2	6.889	0.0	462780.707	6.4964	ng/ml	100
T AR1260 1	7.723	0.0	1741007.378	282.5955	ng/ml	100
T AR1260 2	8.283	0.0	66137.640	7.0173	ng/ml	100
T AR1260 3	8.961	0.0	679117.910	68.3670	ng/ml	100
T AR1260 1 #2	9.173	0.0	545851.194	3.8787	ng/ml	100
T AR1260 2 #2	9.369	0.0	4846614.512	28.3113	ng/ml	100
T AR1260 4	9.441	0.0	1490172.414	260.7883	ng/ml	100
T AR1260 3 #2	9.914	0.0	2095638.362	9.9274	ng/ml	100
T AR1260 5	10.227	0.0	33487.601	5.2490	ng/ml	100
T AR1260 4 #2	10.379	0.0	259076.950	1.9737	ng/ml	100
T AR1260 5 #2	11.053	0.0	113365.014	0.6414	ng/ml	100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

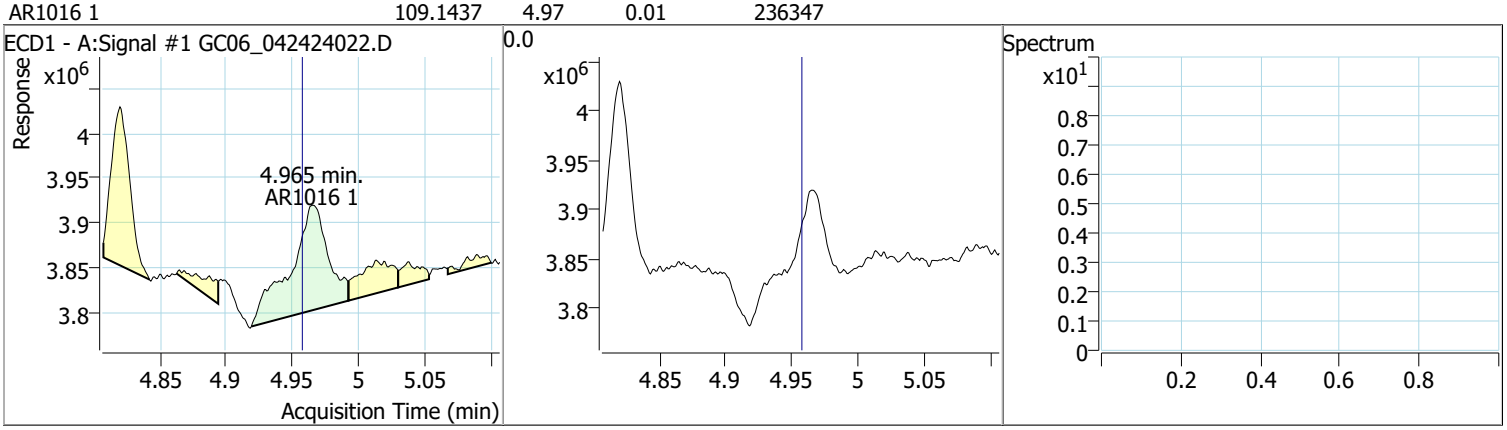
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	77.1595	4.62	0.00	6997676				



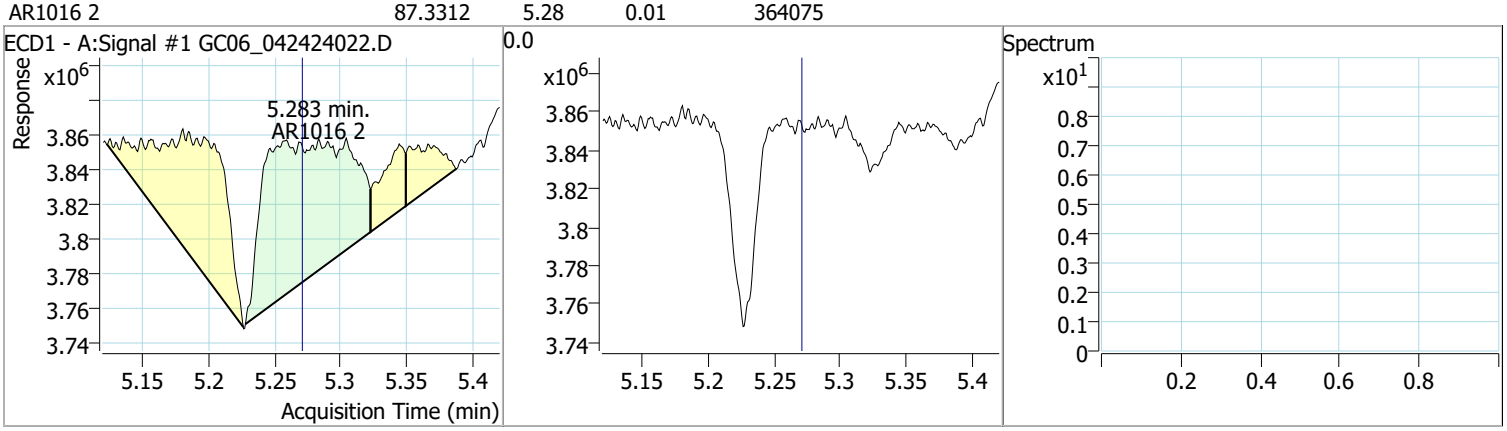
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	40.4612	4.87	0.00	88216162				



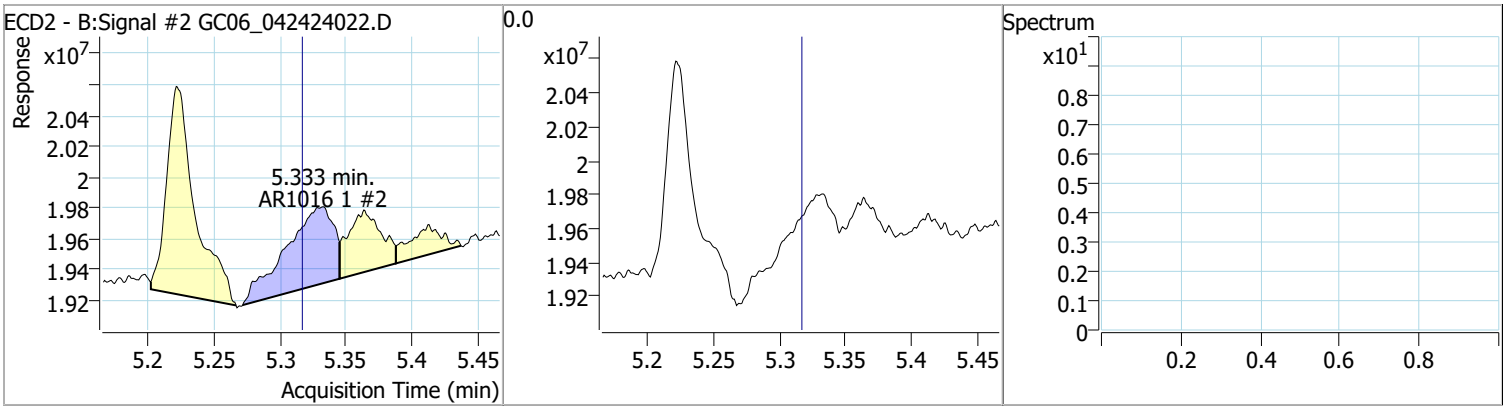
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	109.1437	4.97	0.01	236347				



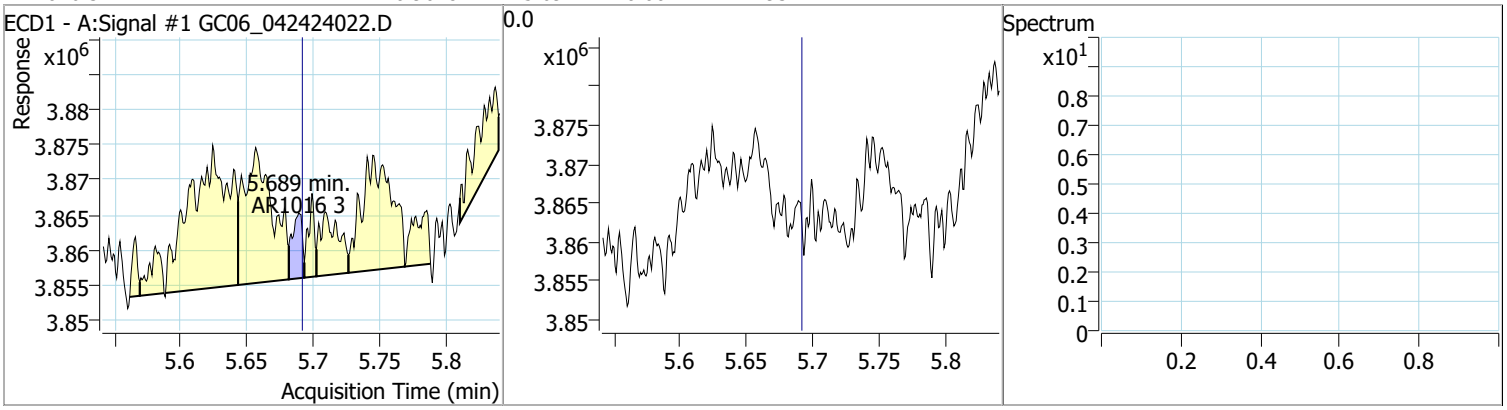
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	87.3312	5.28	0.01	364075				



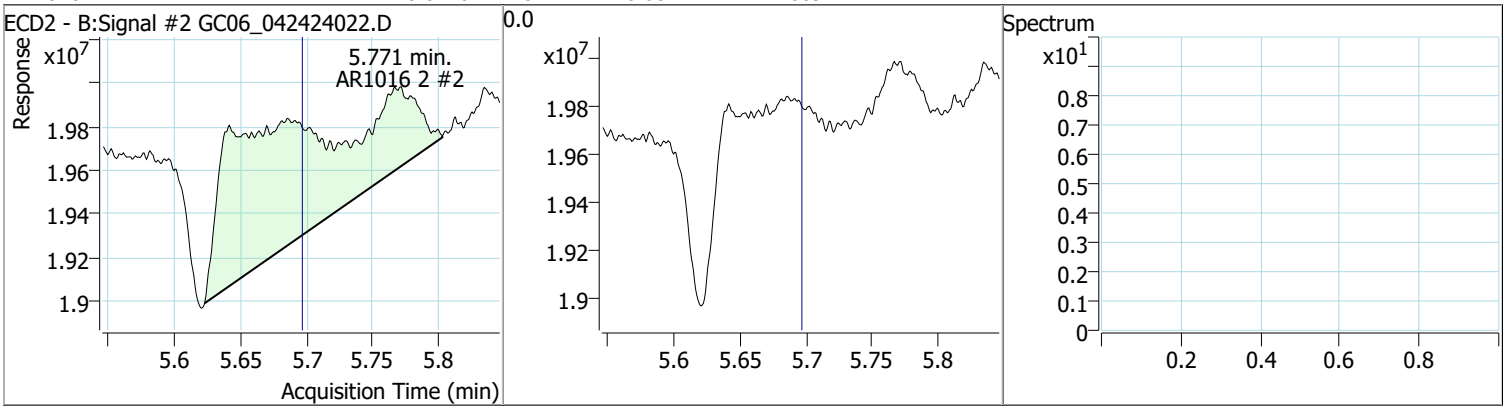
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	27.7840	5.33	0.02	1290876				



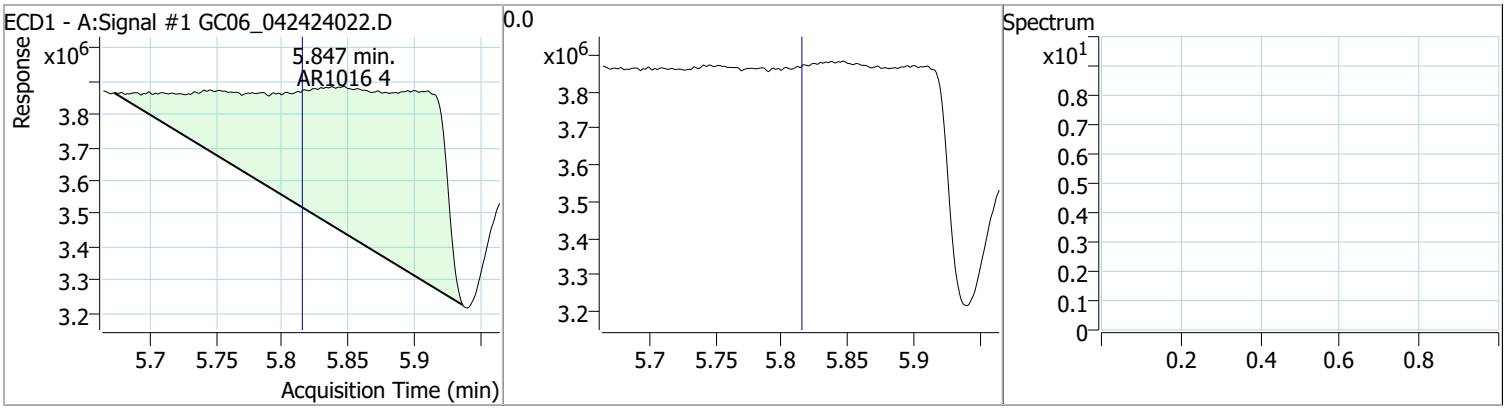
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	0.9648	5.69	0.00	4934				



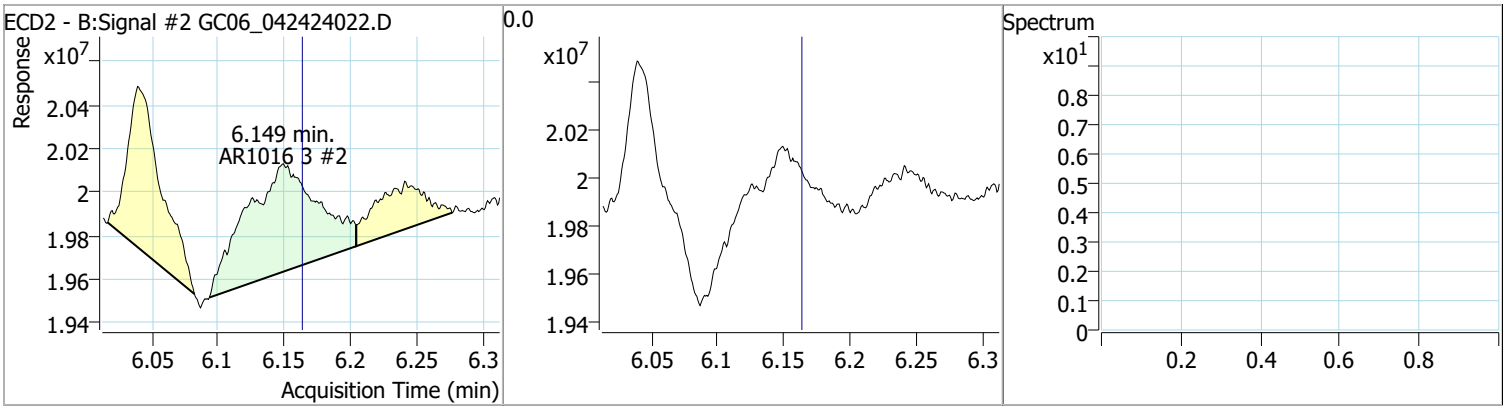
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	46.0110	5.77	0.08	4276691				



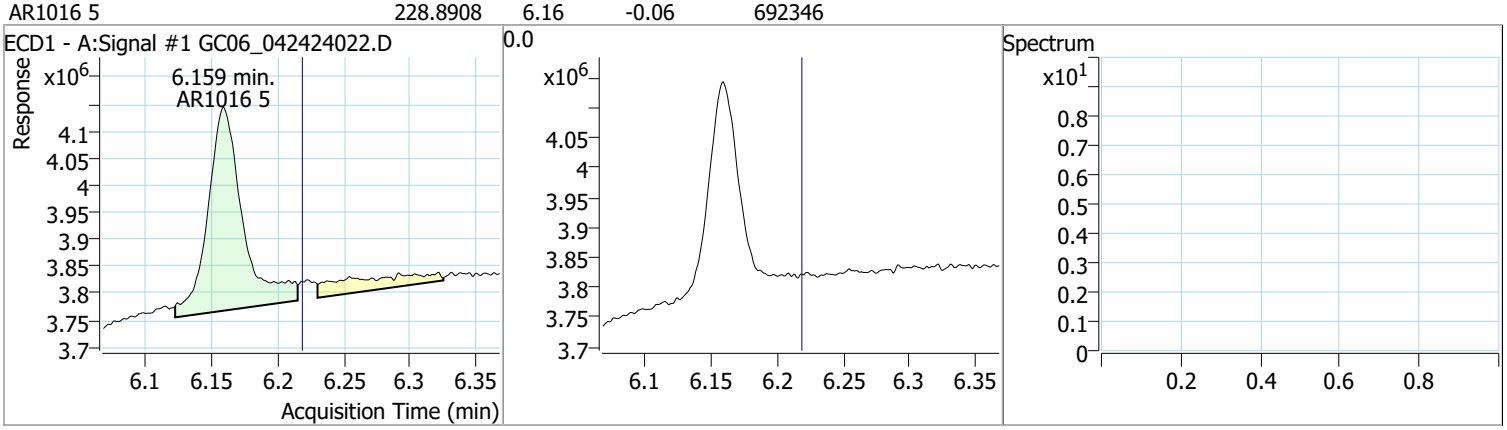
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1299.8642	5.85	0.03	4692971				



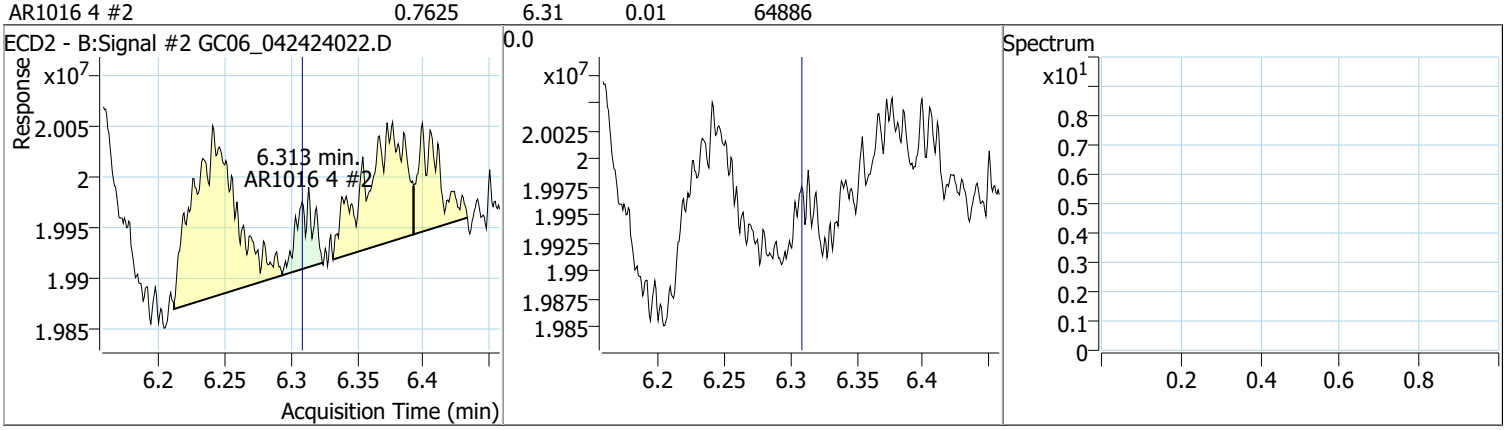
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	14.5848	6.15	-0.01	1877663				



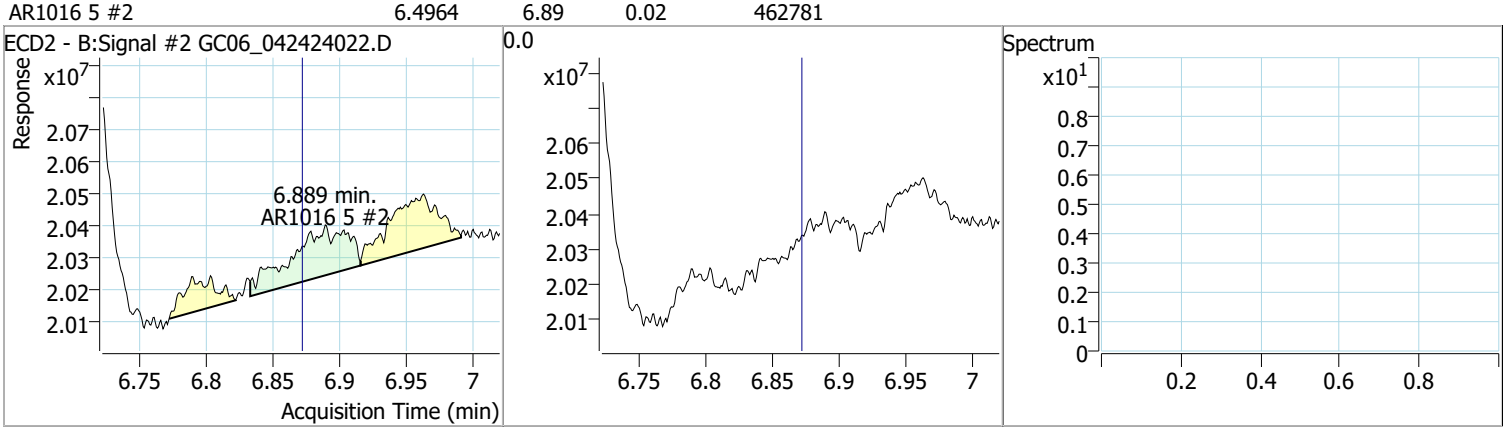
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	228.8908	6.16	-0.06	692346				



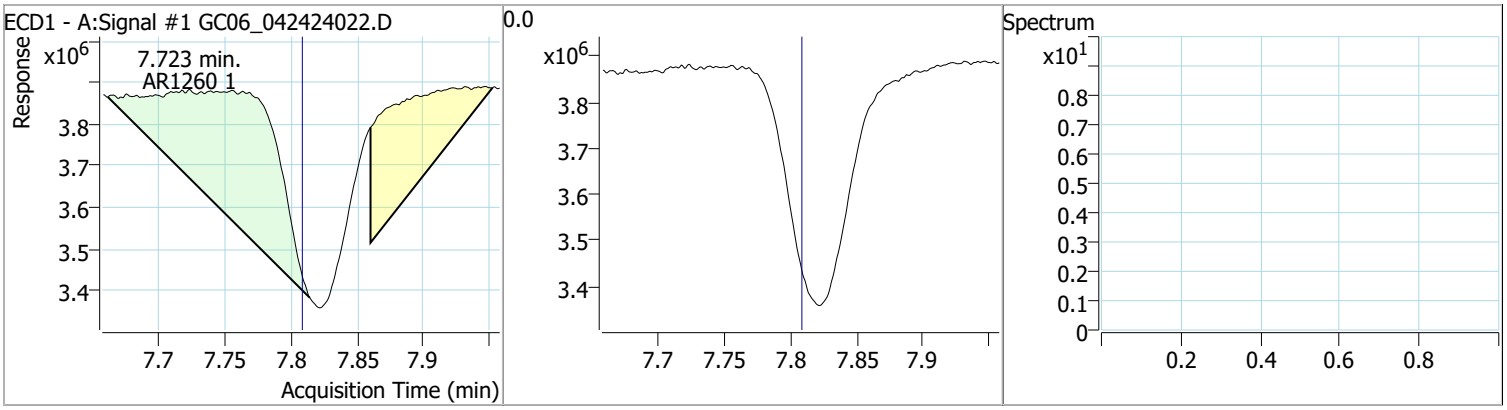
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	0.7625	6.31	0.01	64886				



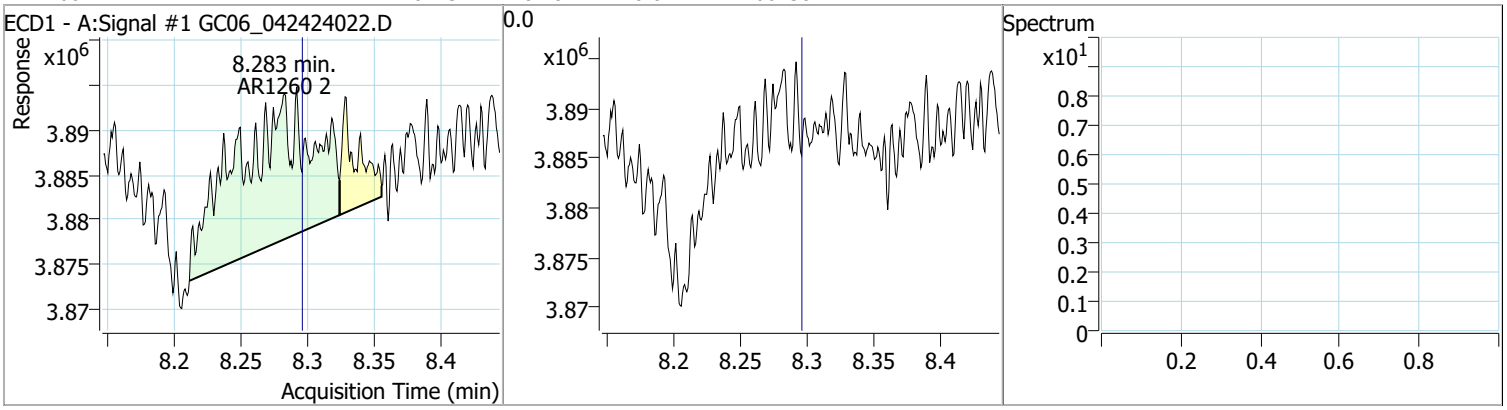
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	6.4964	6.89	0.02	462781				



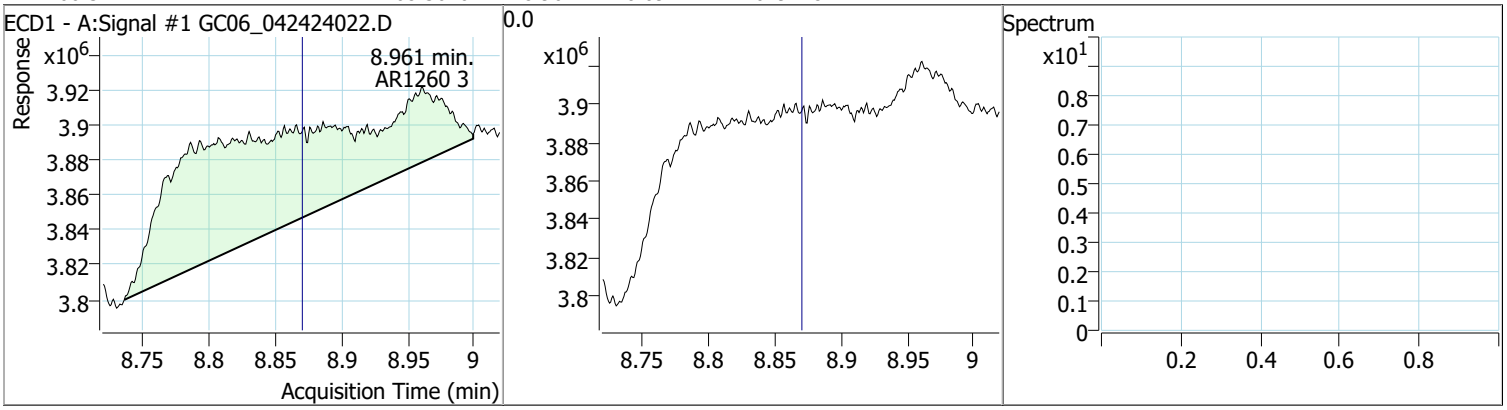
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	282.5955	7.72	-0.08	1741007				



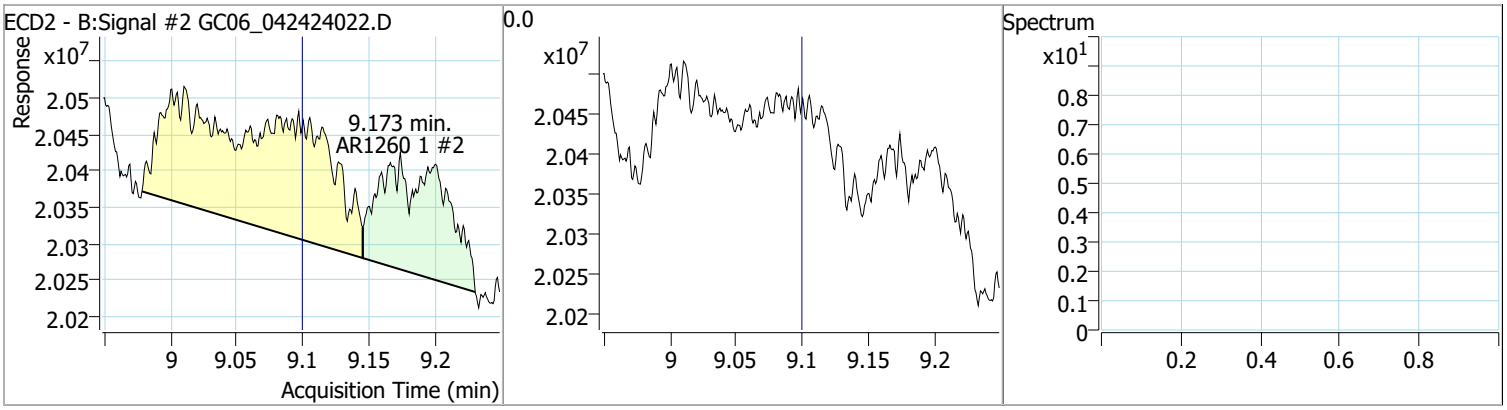
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	7.0173	8.28	-0.01	66138				



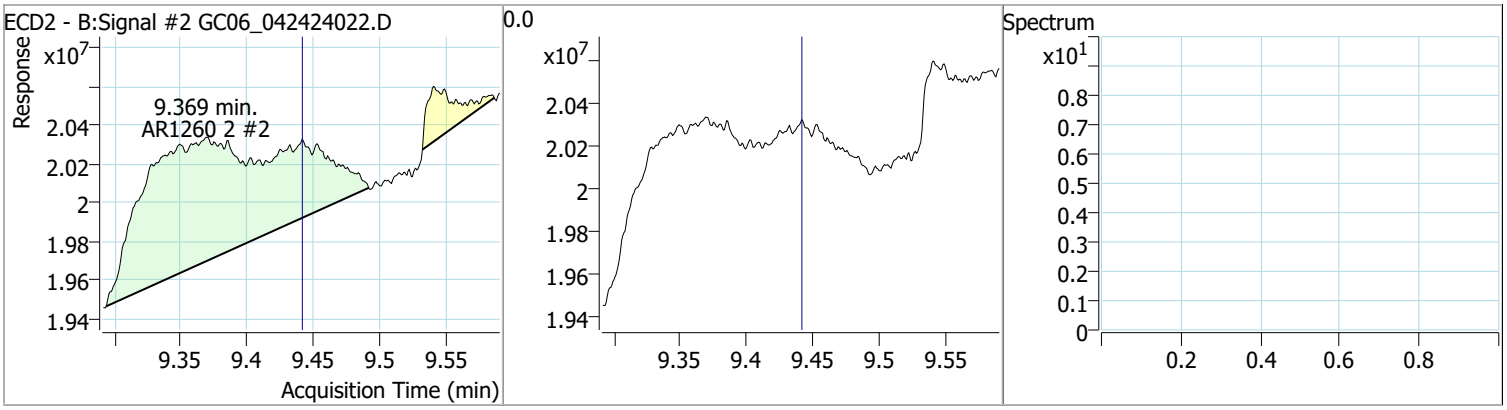
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	68.3670	8.96	0.09	679118				



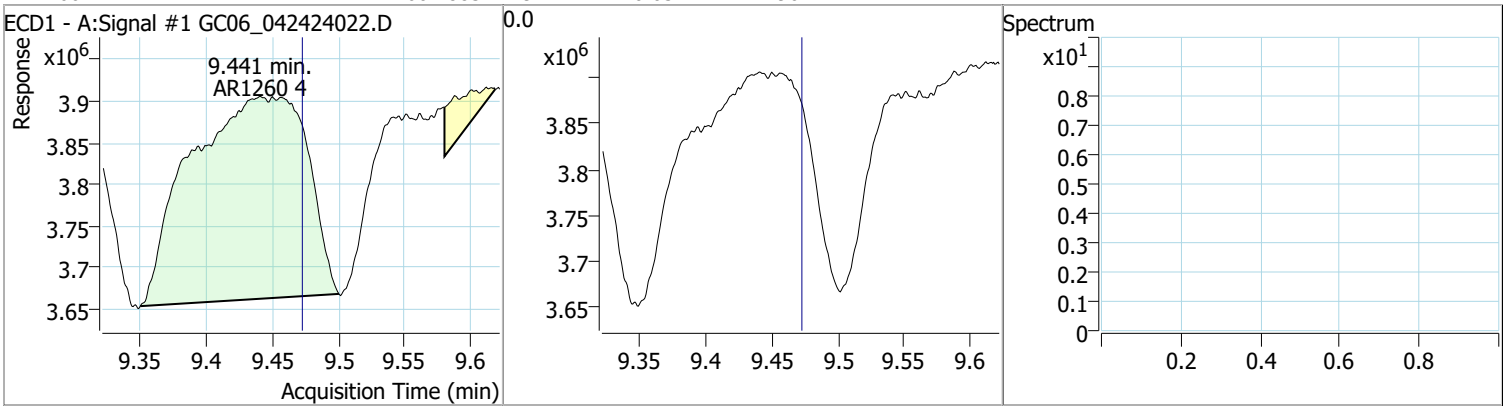
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	3.8787	9.17	0.08	545851				



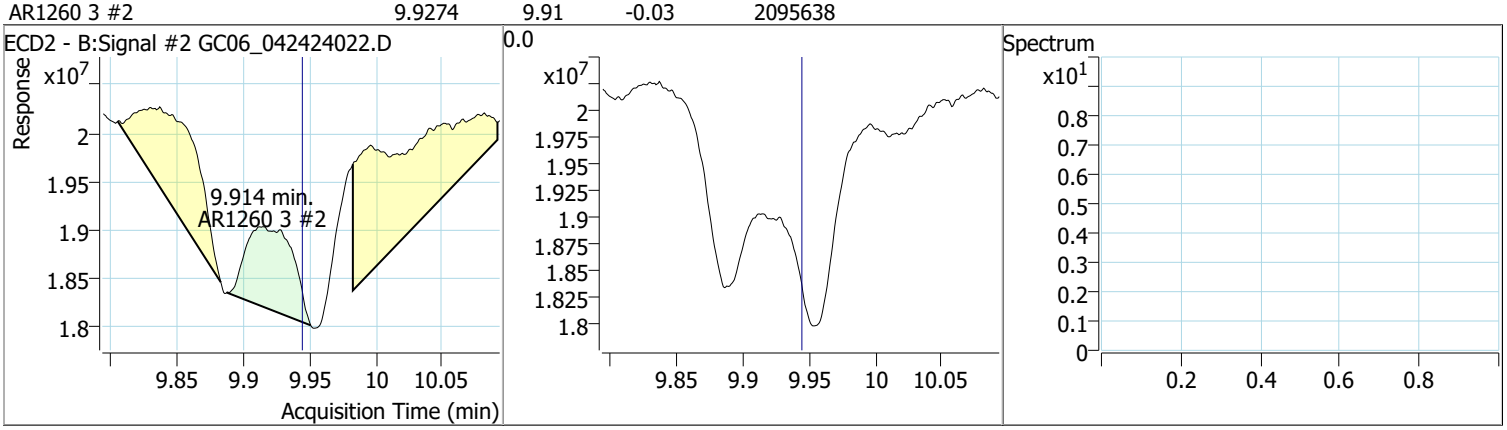
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	28.3113	9.37	-0.07	4846615				



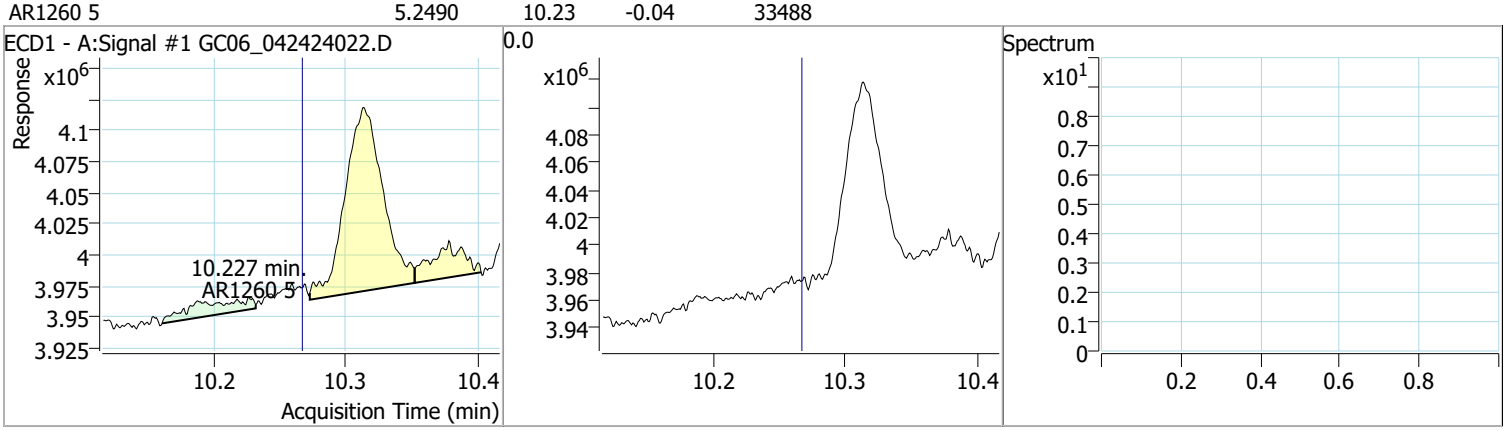
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	260.7883	9.44	-0.03	1490172				



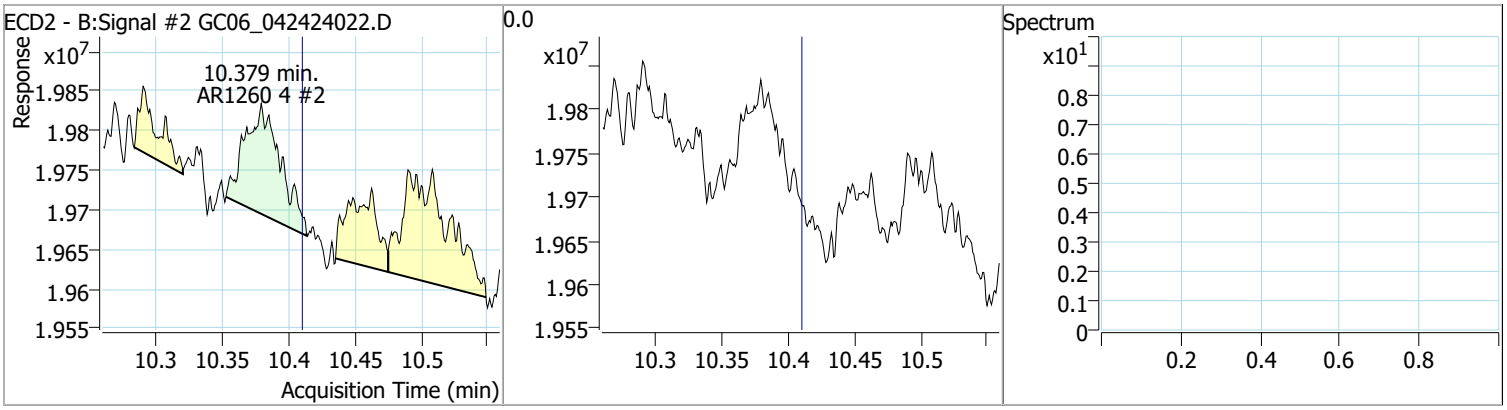
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	9.9274	9.91	-0.03	2095638				



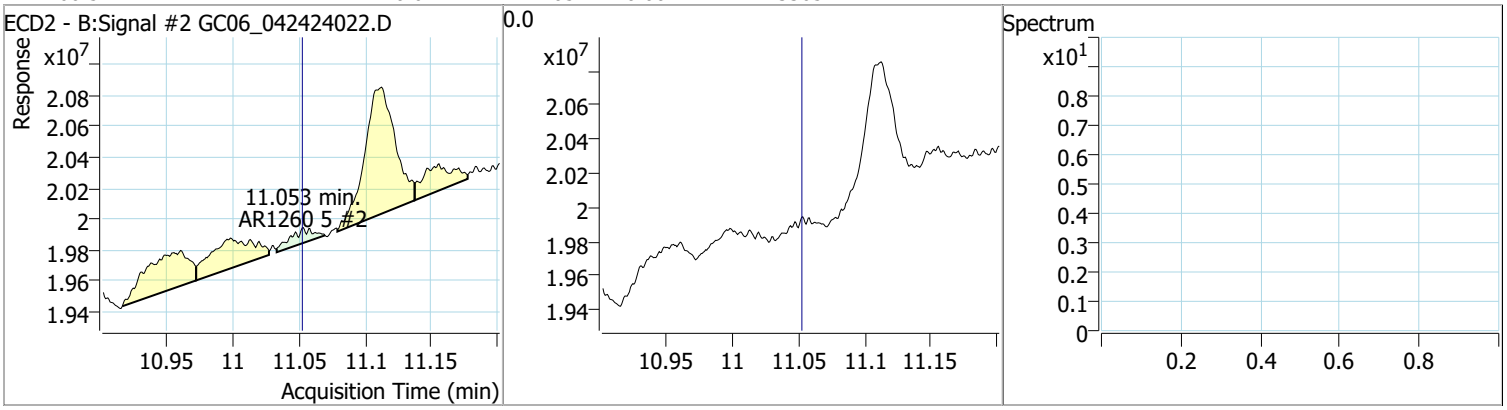
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	5.2490	10.23	-0.04	33488				



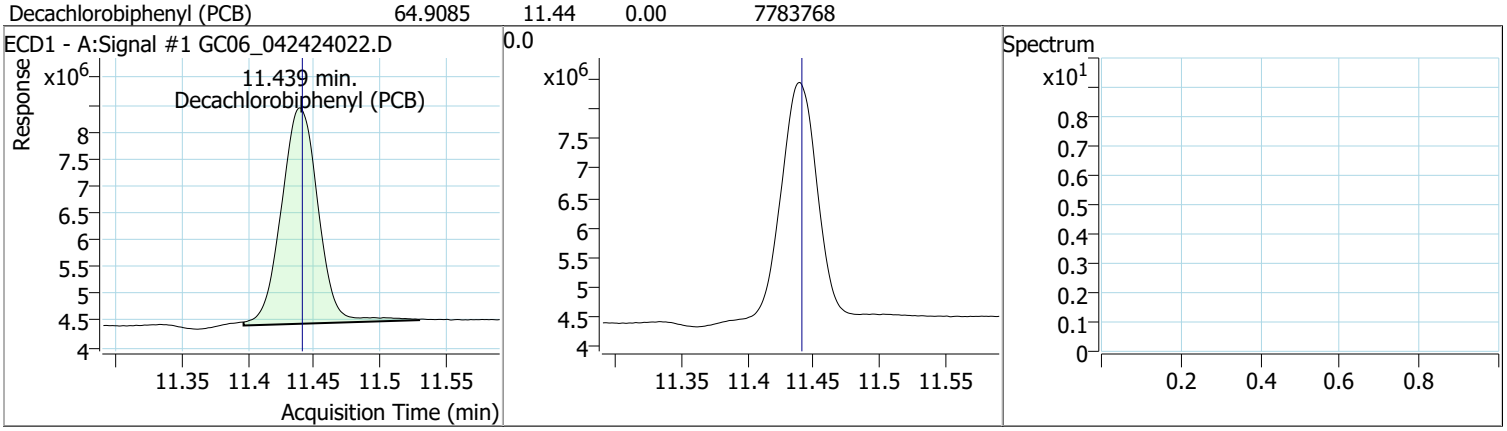
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1.9737	10.38	-0.03	259077				



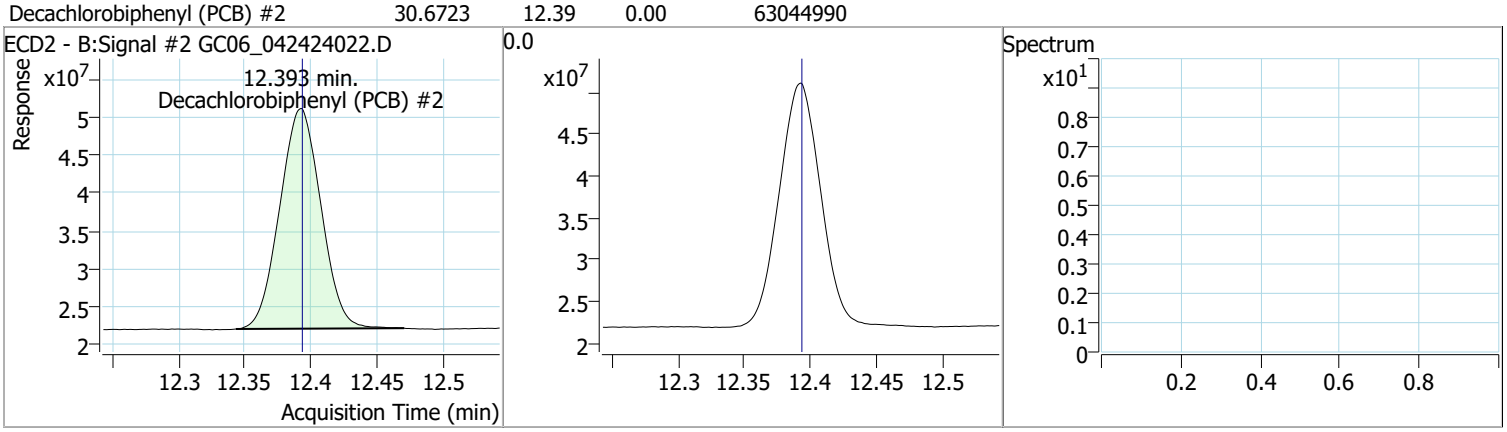
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	0.6414	11.05	0.00	113365				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	64.9085	11.44	0.00	7783768				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	30.6723	12.39	0.00	63044990				



ENTHALPY SPIKE USER REPORT FOR 506868 PCBS Wipe

EPA 8082

Type:	BS	Type:	BSD
Inst:	SVOA-GC06	Inst:	SVOA-GC06
Seqnum:	454166111023.1	Seqnum:	454166111024.1
File:	gc06_042424023	File:	gc06_042424024
IDF:	1.0	IDF:	1.0
Lab ID:	QC1147337	Lab ID:	QC1147338
Matrix:	Wipe	Matrix:	Wipe
Batch:	338600	Batch:	338600
Time:	24-APR-2024 15:10	Time:	24-APR-2024 15:31
Cal:	454124679002	Cal:	454124679002
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	389.8	3.898	B	78	438.0	4.380	B	88	60-140	12	20	u
Aroclor-1016 Peak # 1		407.1	4.071	B		465.3	4.653	B					
Aroclor-1016 Peak # 2		445.4	4.454	B		494.5	4.945	B					
Aroclor-1016 Peak # 3		416.3	4.163	B		478.1	4.781	B					
Aroclor-1016 Peak # 4		352.0	3.520	B		382.5	3.825	B					
Aroclor-1016 Peak # 5		328.3	3.283	B		369.4	3.694	B					
Aroclor-1260	5.000	352.9	3.529	B	71	385.9	3.859	B	77	60-140	9	20	u
Aroclor-1260 Peak # 1		405.6	4.056	B		454.9	4.549	B					
Aroclor-1260 Peak # 2		402.9	4.029	B		441.8	4.418	B					
Aroclor-1260 Peak # 3		338.7	3.387	B		370.7	3.707	B					
Aroclor-1260 Peak # 4		322.9	3.229	B		350.0	3.500	B					
Aroclor-1260 Peak # 5		294.2	2.942	B		312.1	3.121	B					
Surrogates													
TCMX (PCB)	0.5000	38.62	0.3862	B	77	44.00	0.4400	B	88	19-121			u
Decachlorobiphenyl (PCB)	0.5000	32.36	0.3236	B	65	34.17	0.3417	B	68	19-121			u

ISTD (CCV gc06_042424016)	Ch	CCV Abund	BS Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	44120051	-3.90
1-bromo-2-nitrobenzene (PCB)	A	3177182	1529478	**-51.86 ***

ISTD (CCV gc06_042424016)	Ch	CCV RT	BS RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.84	0.01

ISTD (CCV gc06_042424016)	Ch	CCV Abund	BSD Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	45912064	43402416	-5.47
1-bromo-2-nitrobenzene (PCB)	A	3177182	1928151	-39.31

ISTD (CCV gc06_042424016)	Ch	CCV RT	BSD RT	Drift
1-bromo-2-nitrobenzene (PCB)	B	3.98	3.98	0.00
1-bromo-2-nitrobenzene (PCB)	A	3.83	3.83	0.00

04/26/24 : WIPE/1dm3-10ML [general version]

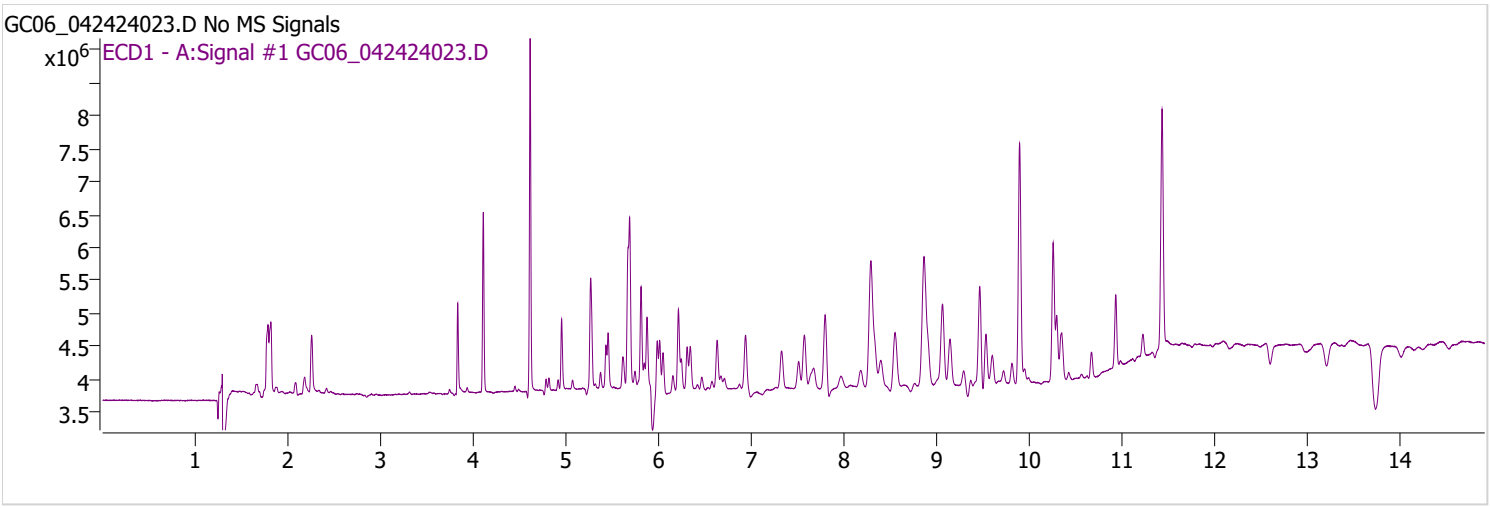
MES 04/26/24 [Aroclor-1260 A]: Corrected automatically drawn baseline for all channels for spike & dup. [general version]

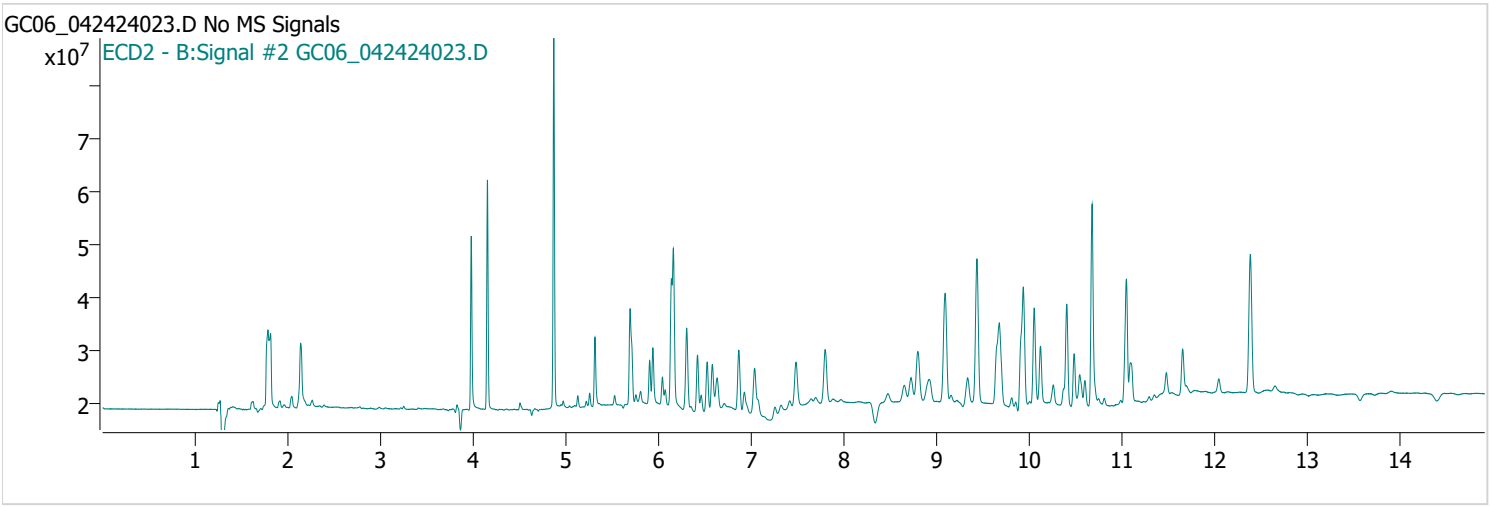
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Analyst: MES 04/26/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424023.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 3:10:13 PM
Sample Name	QC1147337, 338600, 1	Instrument	SVOA-GC06
Vial	2	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



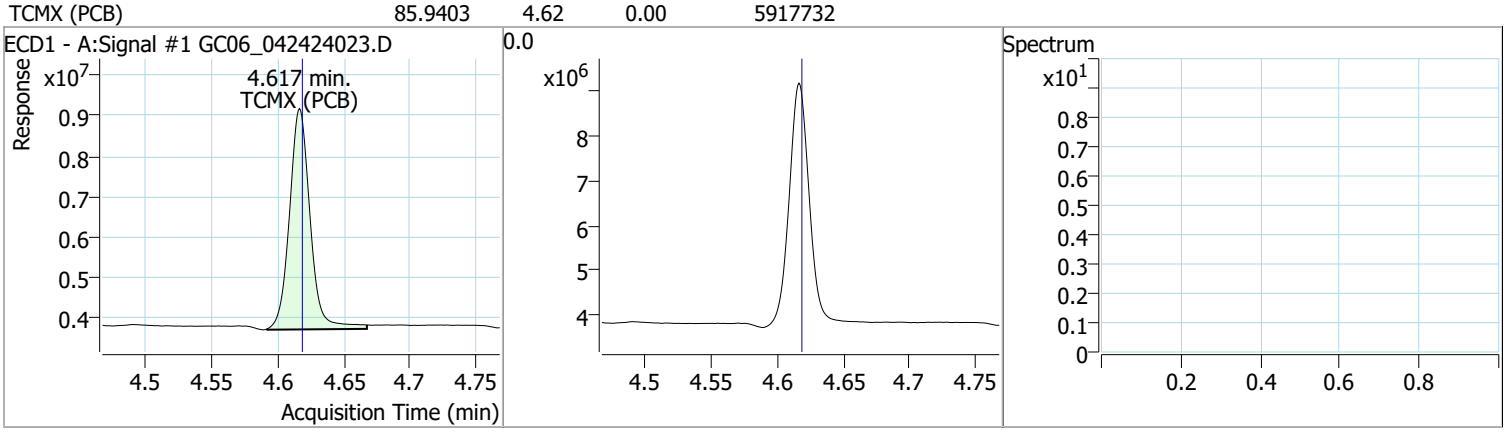


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.835	0.0	1529477.899	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB) #2	3.981	0.0	44120051.005	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.617	0.0	5917732.175	85.9403	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 429.70%		*	
S TCMX (PCB) #2	4.872	0.0	73892797.005	38.6231	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 193.12%		*	
S Decachlorobiphenyl (PCB)	11.439	0.0	6795229.325	74.6314	ng/ml	m	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 373.16%		*	
S Decachlorobiphenyl (PCB) #2	12.392	0.0	58357567.033	32.3555	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 161.78%		*	
Target Compounds							QValue

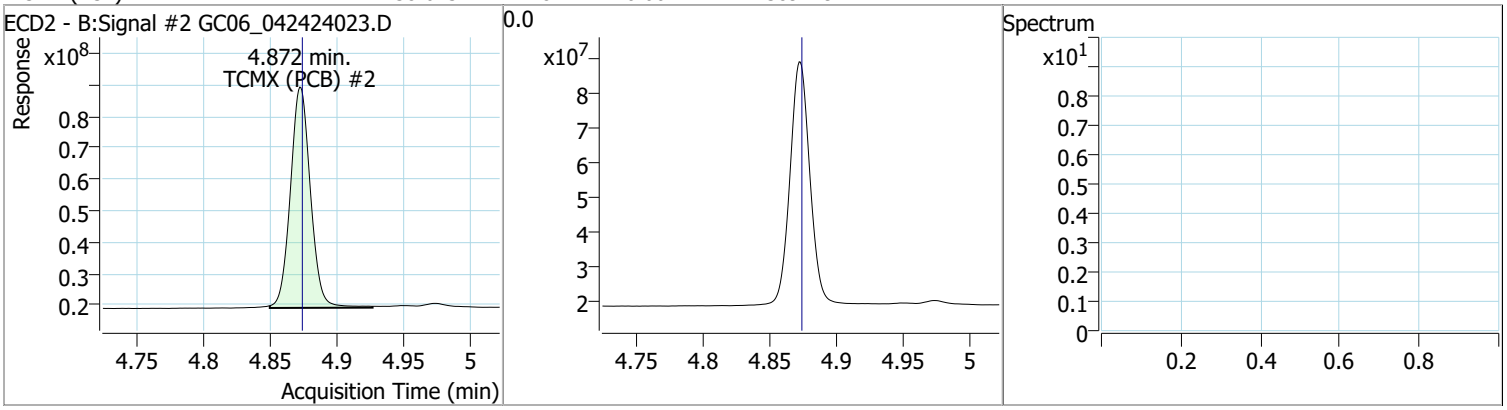
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.957	0.0	1301883.229	791.8196	ng/ml		100
T AR1016 2	5.271	0.0	2976719.874	940.4211	ng/ml		100
T AR1016 1 #2	5.317	0.0	16597311.852	407.1011	ng/ml		100
T AR1016 3	5.691	0.0	3865538.712	995.5987	ng/ml	m	100
T AR1016 2 #2	5.696	0.0	36326388.801	445.3801	ng/ml		100
T AR1016 4	5.814	0.0	3082498.554	1124.4982	ng/ml	m	100
T AR1016 3 #2	6.163	0.0	47025579.429	416.2654	ng/ml	m	100
T AR1016 5	6.218	0.0	1957119.583	852.1736	ng/ml	m	100
T AR1016 4 #2	6.307	0.0	26282311.389	351.9540	ng/ml		100
T AR1016 5 #2	6.869	0.0	20524977.772	328.3460	ng/ml	m	100
T AR1260 1	7.802	0.0	2931785.625	626.7620	ng/ml	m	100
T AR1260 2	8.296	0.0	6667983.308	931.8012	ng/ml		100
T AR1260 3	8.869	0.0	7309943.609	969.2175	ng/ml		100
T AR1260 1 #2	9.098	0.0	50090447.057	405.6254	ng/ml		100
T AR1260 2 #2	9.441	0.0	60523690.410	402.9040	ng/ml	m	100
T AR1260 4	9.471	0.0	3530216.684	813.6897	ng/ml	m	100
T AR1260 3 #2	9.941	0.0	62744240.368	338.7255	ng/ml		100
T AR1260 5	10.263	0.0	4005217.961	826.8466	ng/ml		100
T AR1260 4 #2	10.410	0.0	37197411.059	322.9307	ng/ml		100
T AR1260 5 #2	11.053	0.0	45624185.367	294.1582	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

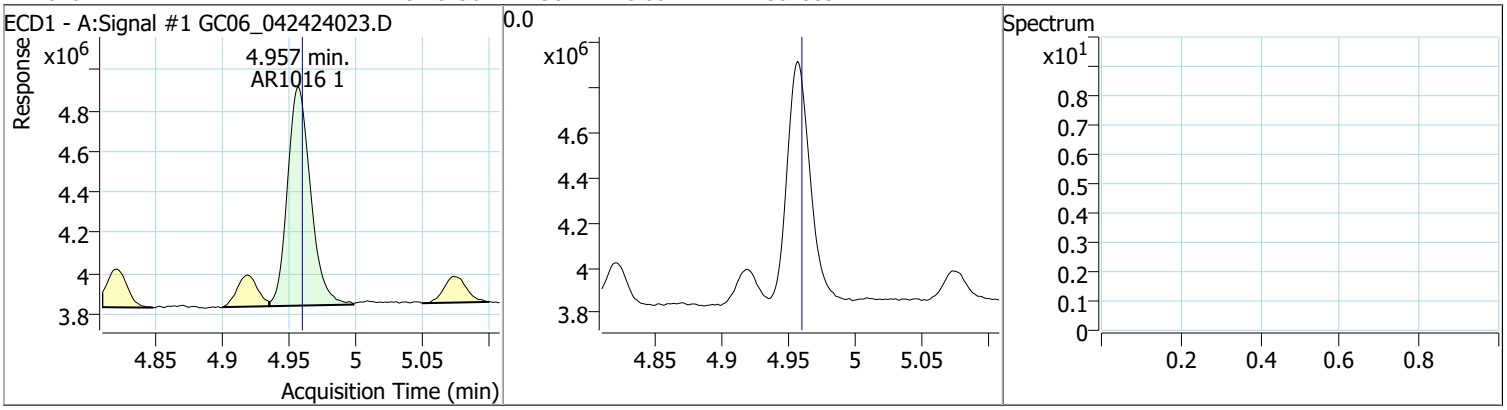
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	85.9403	4.62	0.00	5917732				



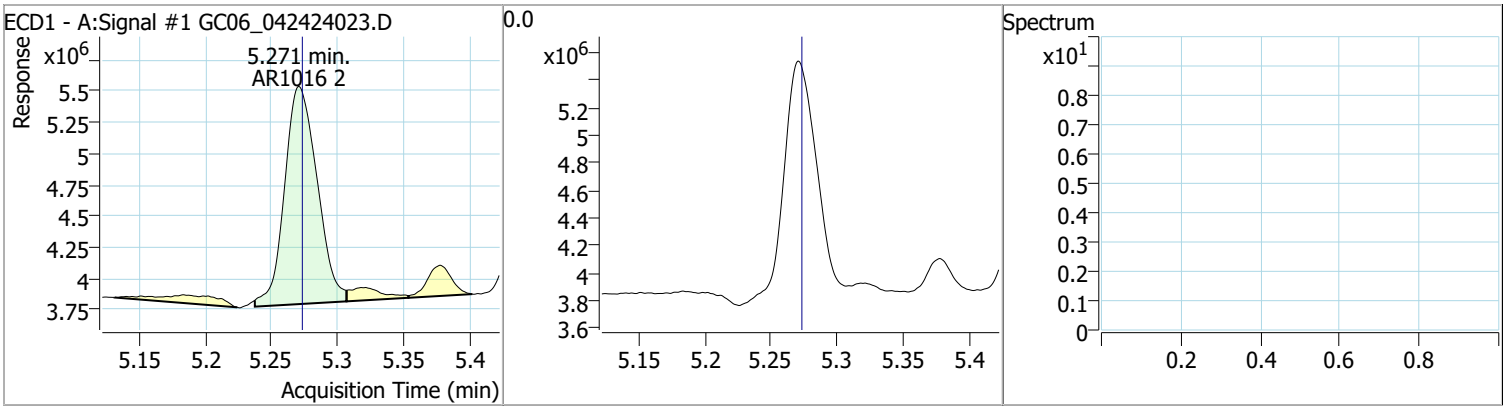
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.6231	4.87	0.00	73892797				



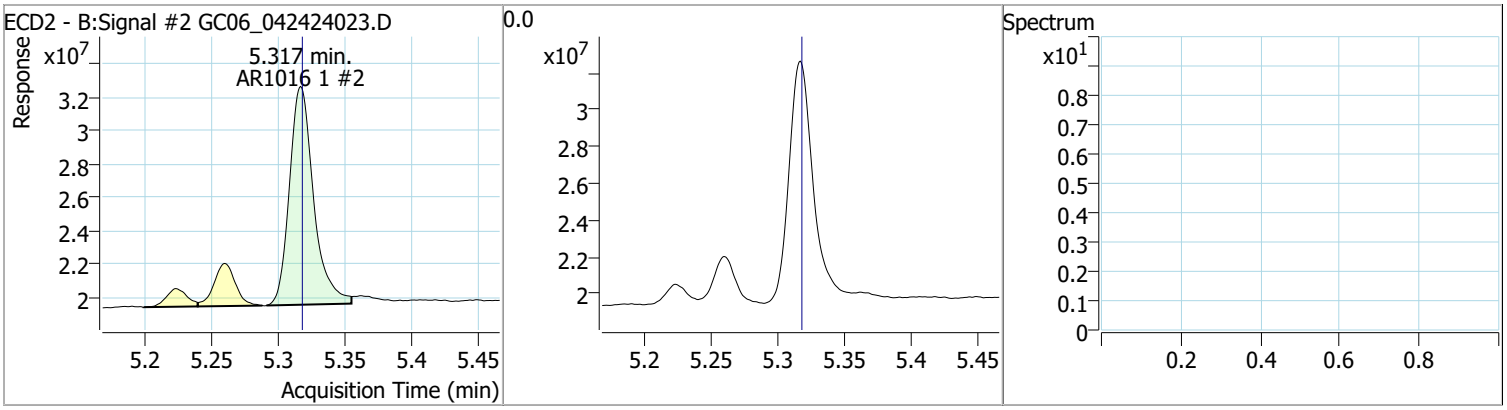
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	791.8196	4.96	0.00	1301883				



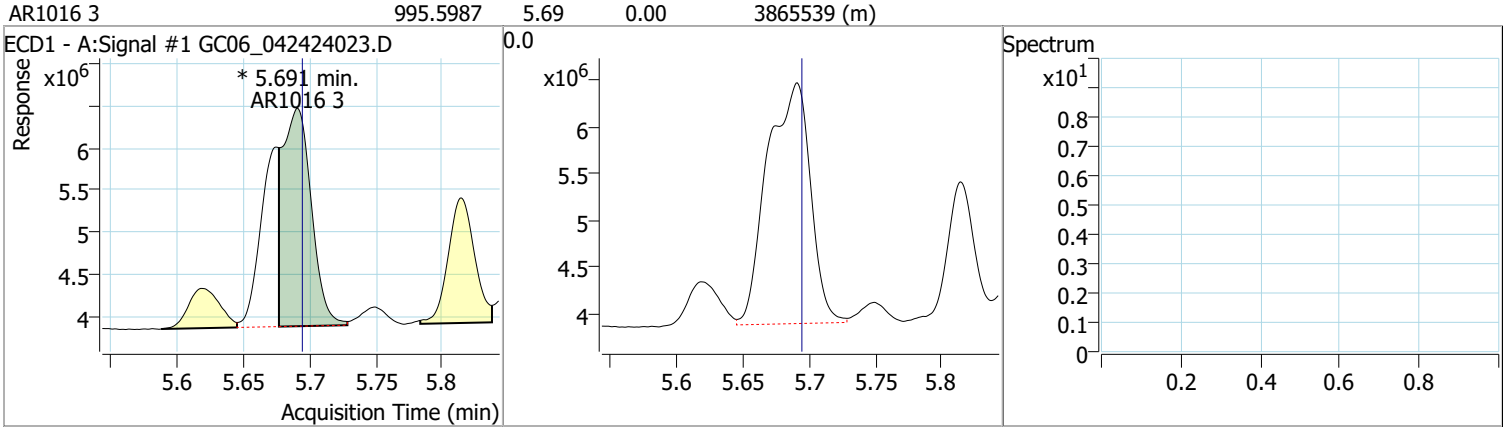
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	940.4211	5.27	0.00	2976720				



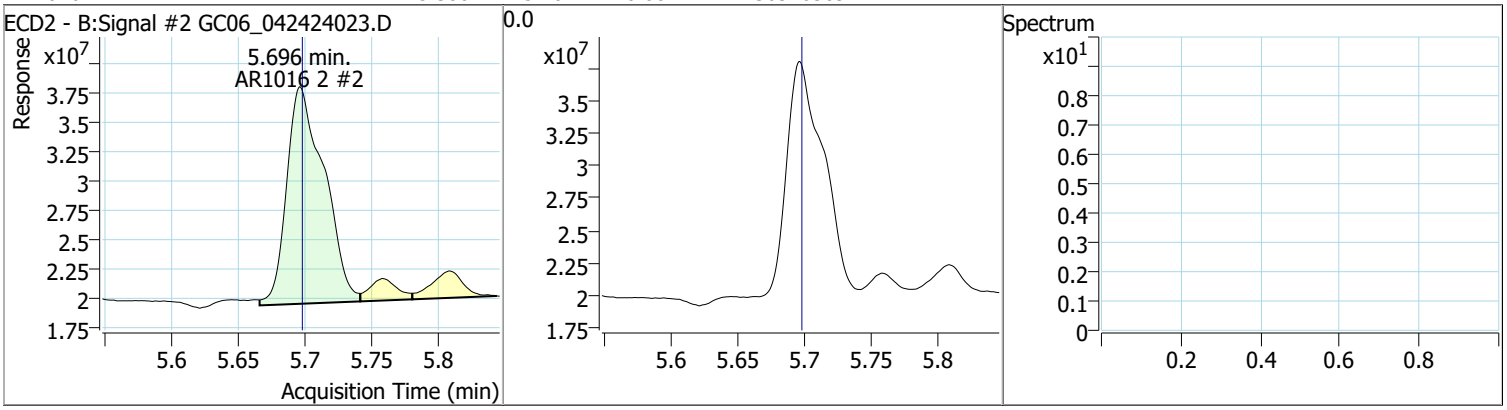
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	407.1011	5.32	0.00	16597312				



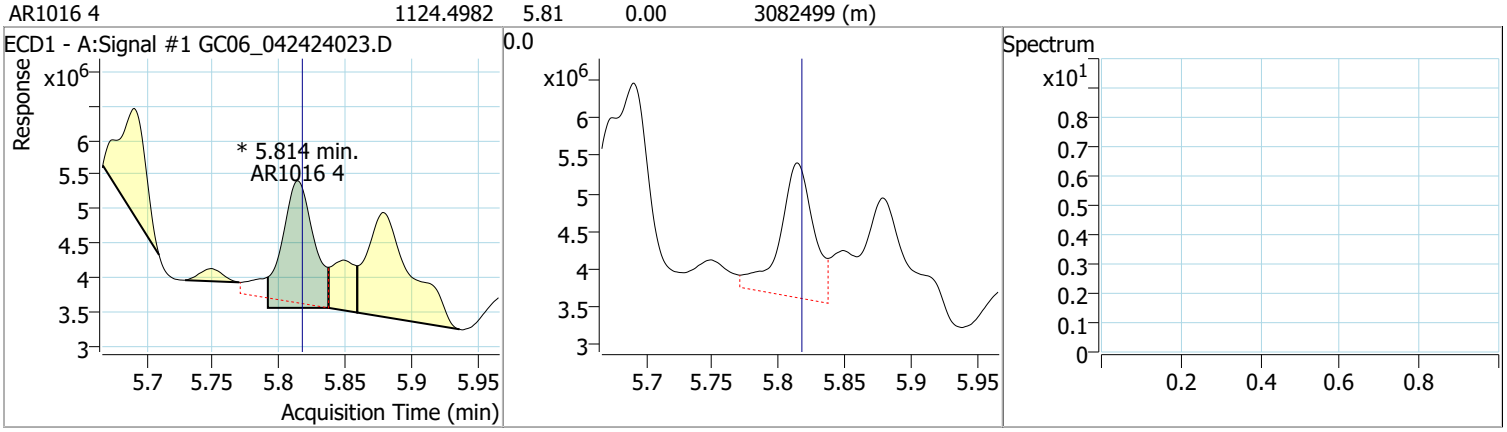
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	995.5987	5.69	0.00	3865539 (m)				



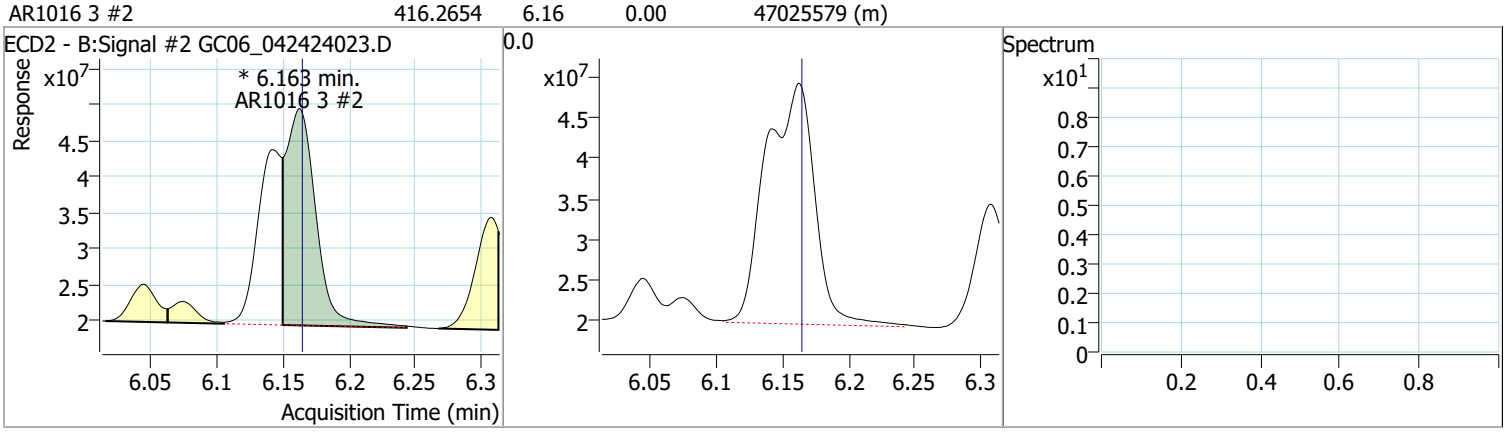
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	445.3801	5.70	0.00	36326389				



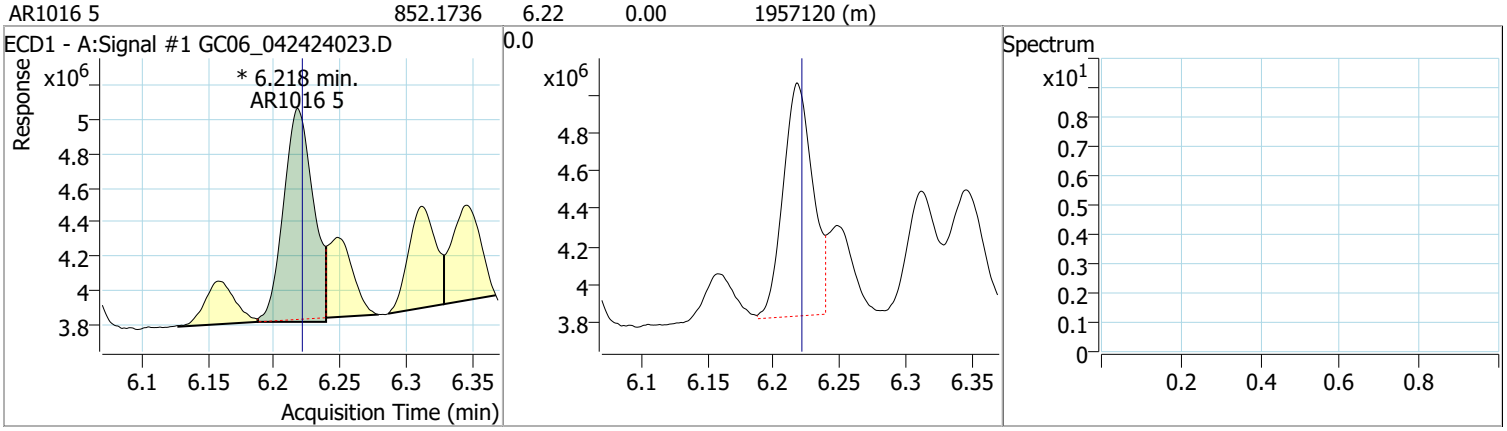
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1124.4982	5.81	0.00	3082499 (m)				



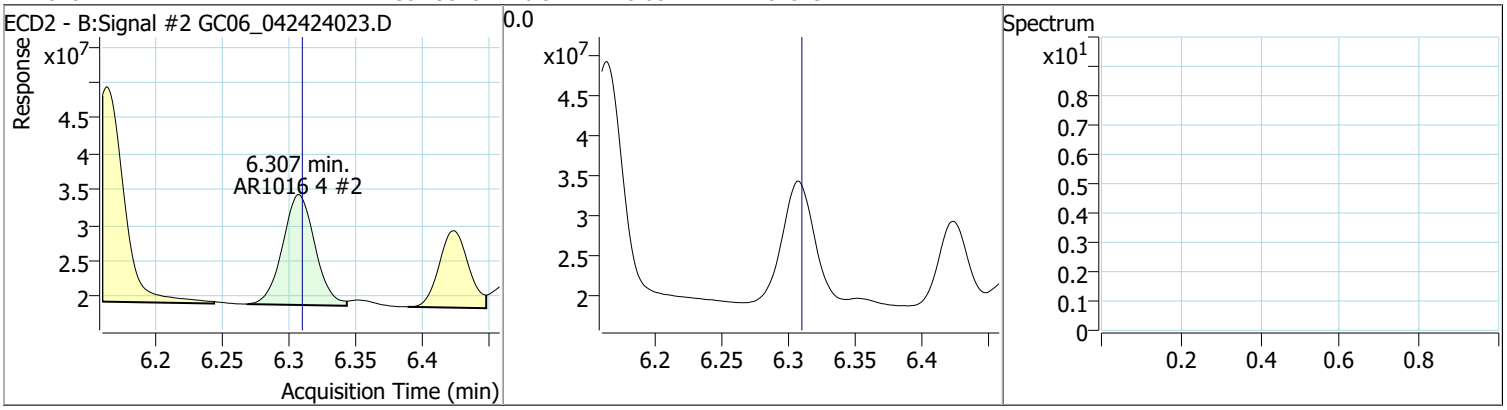
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	416.2654	6.16	0.00	47025579 (m)				



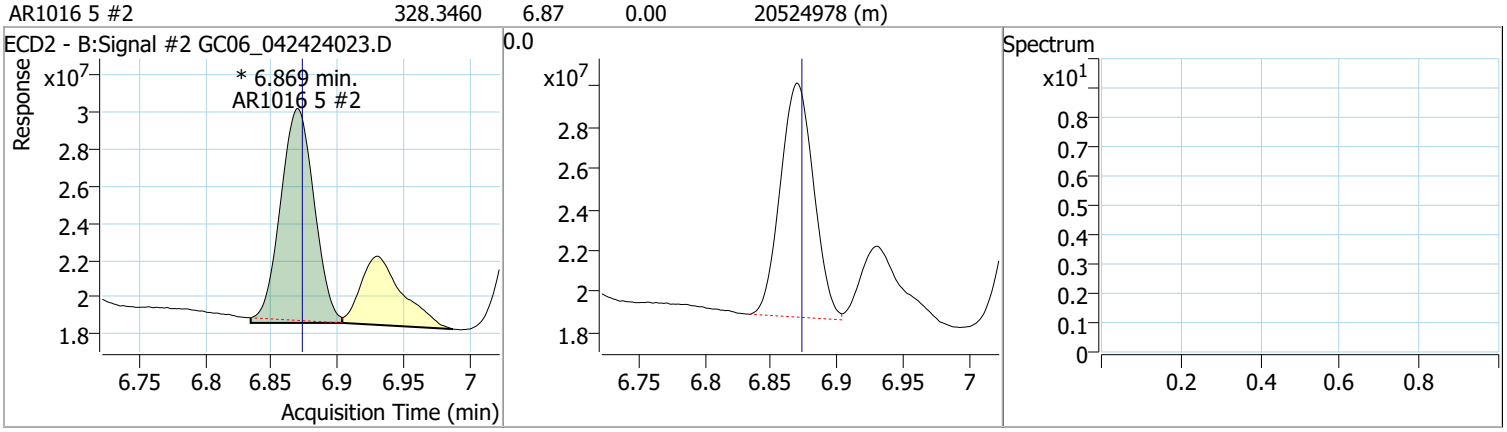
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	852.1736	6.22	0.00	1957120 (m)				



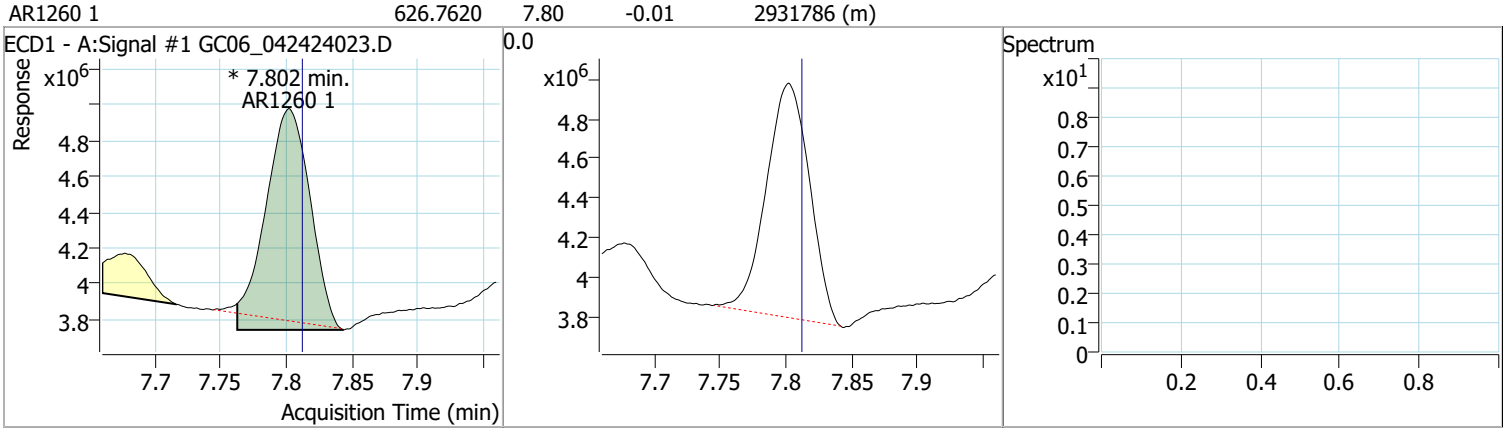
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	351.9540	6.31	0.00	26282311				



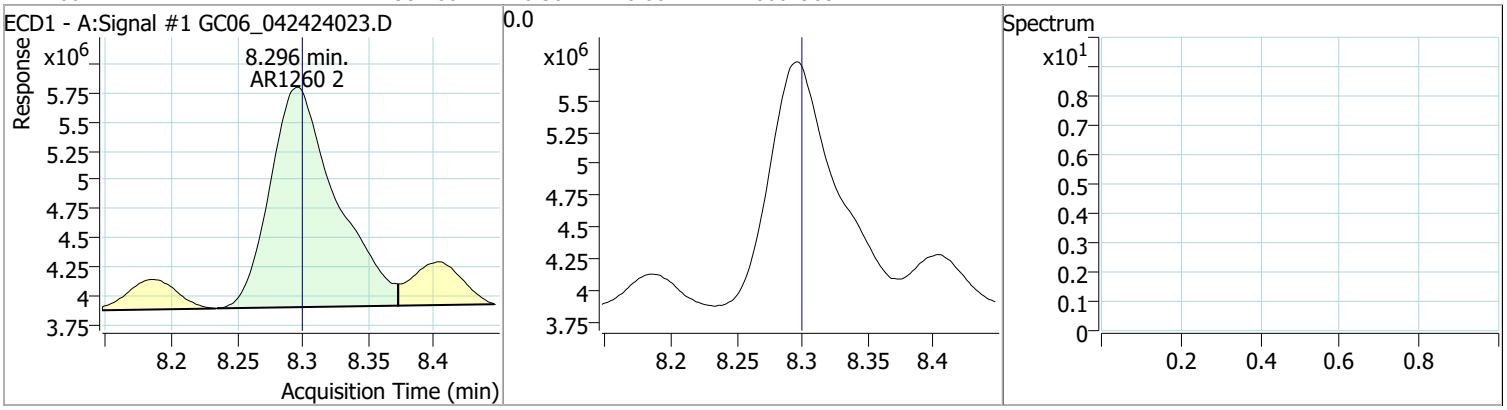
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	328.3460	6.87	0.00	20524978 (m)				



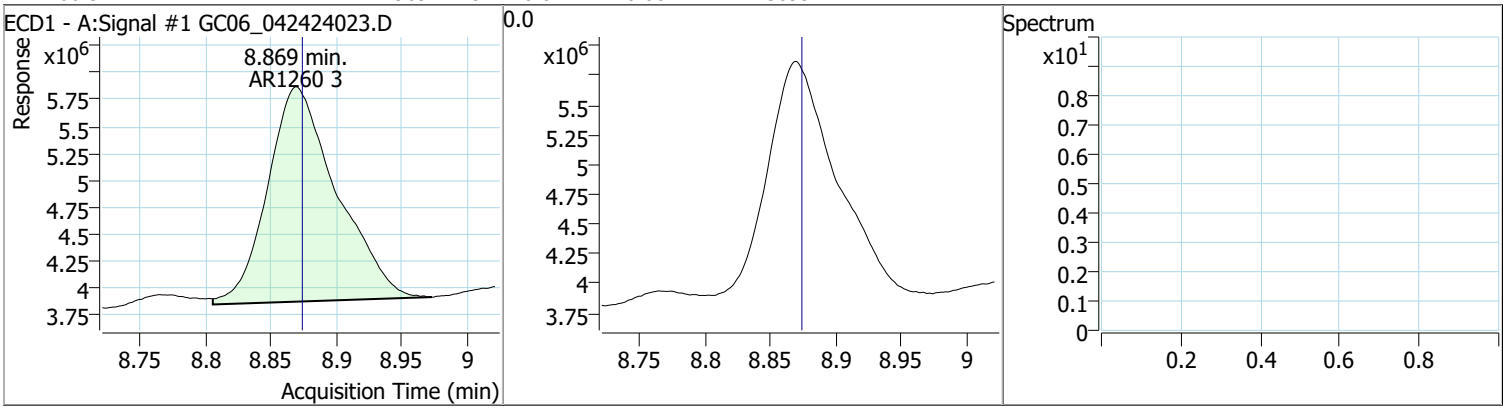
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	626.7620	7.80	-0.01	2931786 (m)				



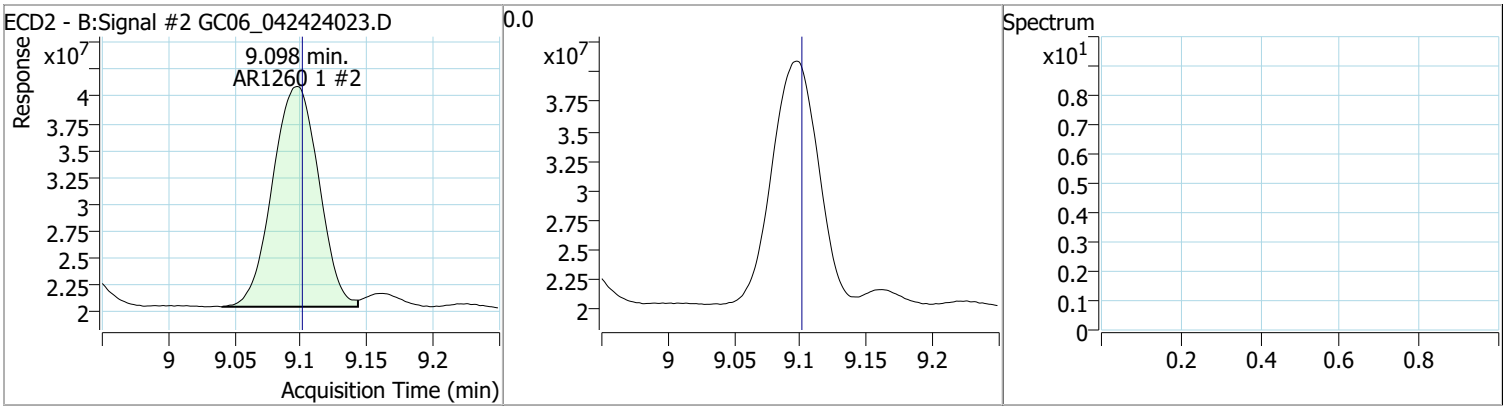
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	931.8012	8.30	0.00	6667983				



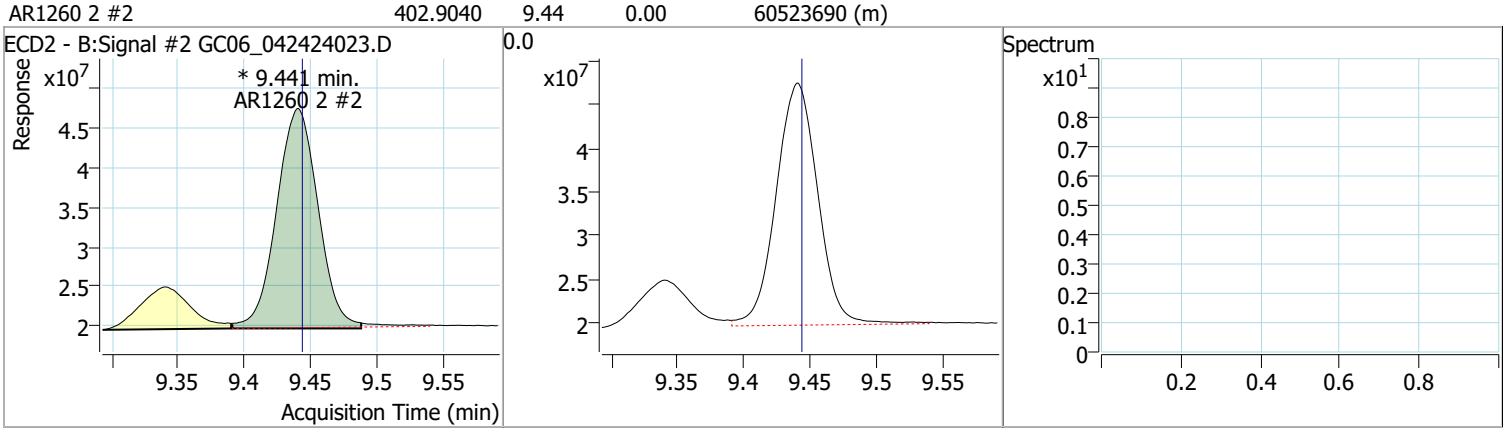
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	969.2175	8.87	0.00	7309944				



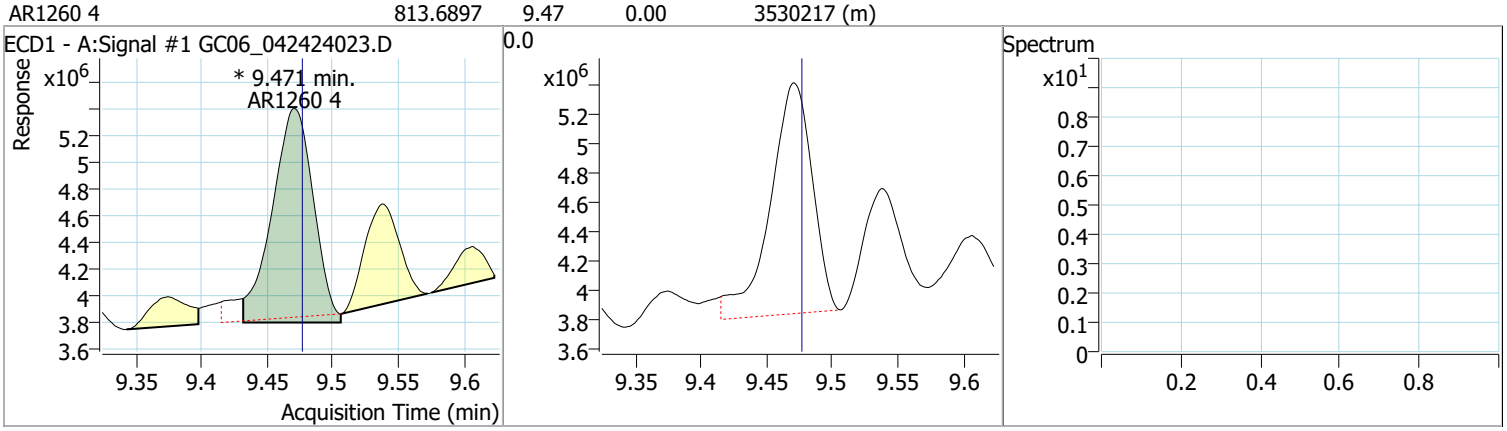
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	405.6254	9.10	0.00	50090447				



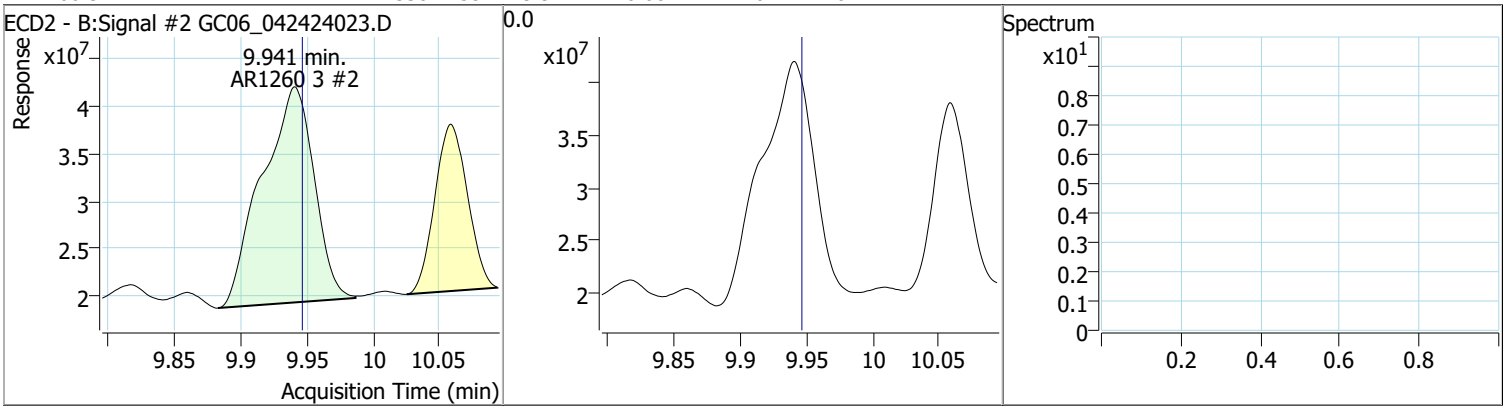
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	402.9040	9.44	0.00	60523690 (m)				



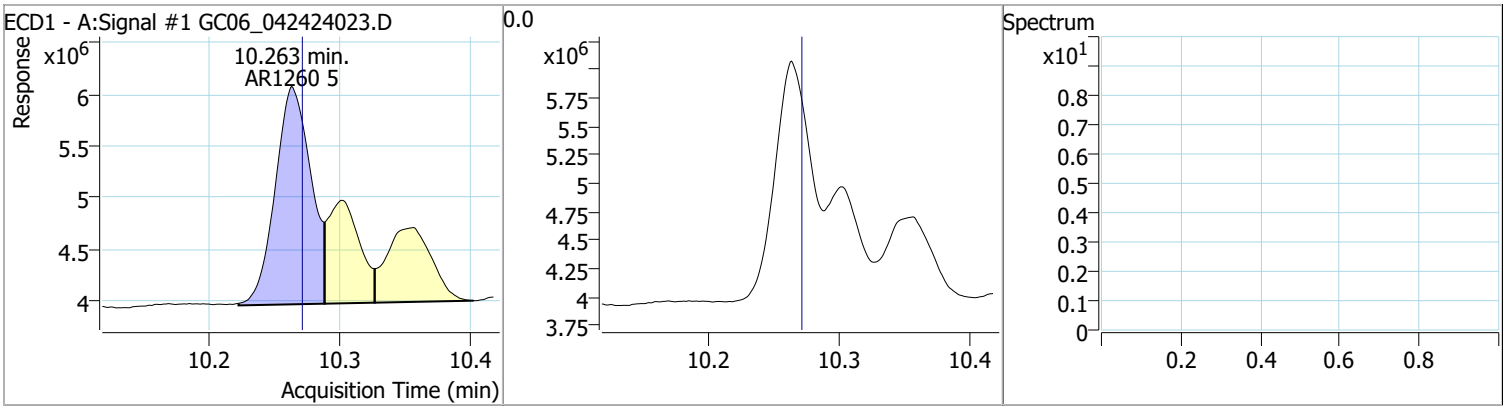
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	813.6897	9.47	0.00	3530217 (m)				



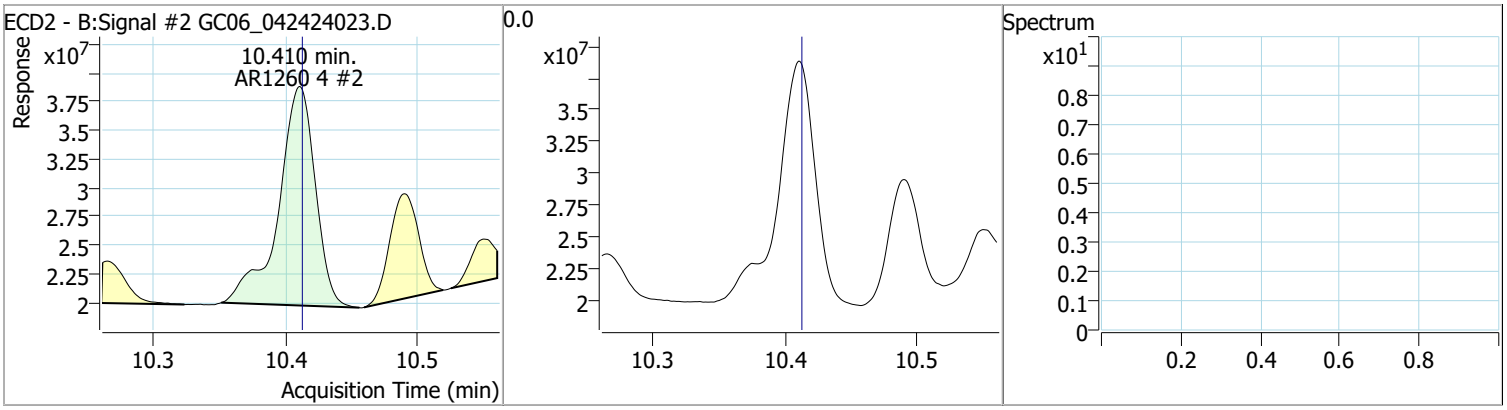
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	338.7255	9.94	0.00	62744240				



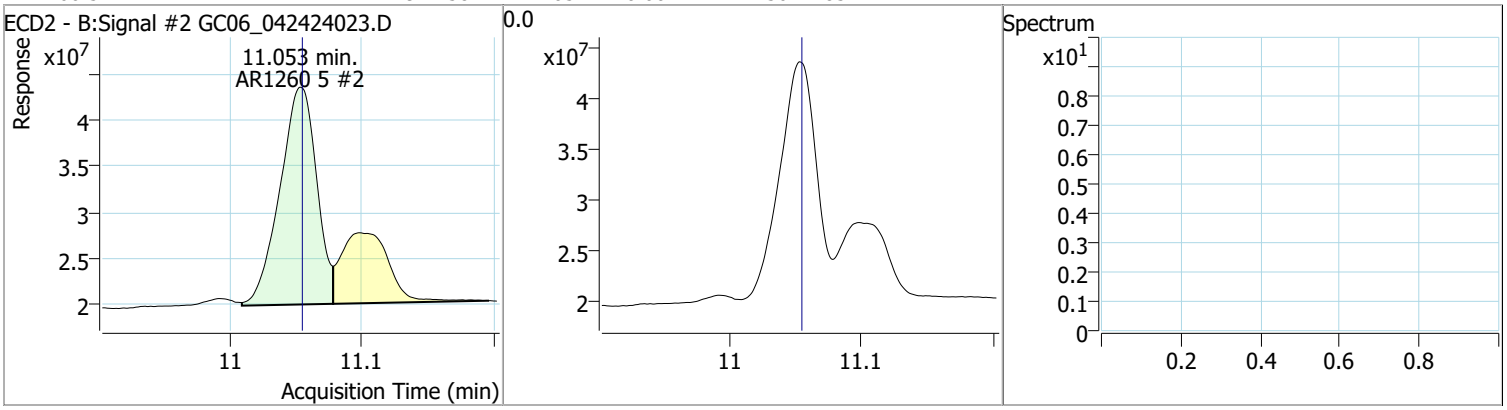
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	826.8466	10.26	0.00	4005218				



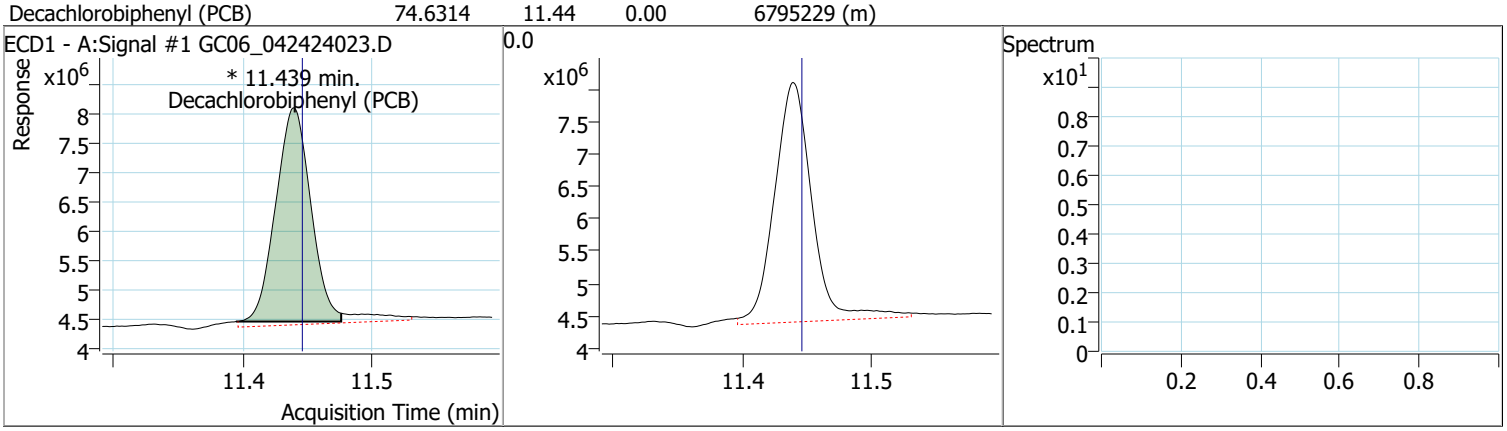
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	322.9307	10.41	0.00	37197411				



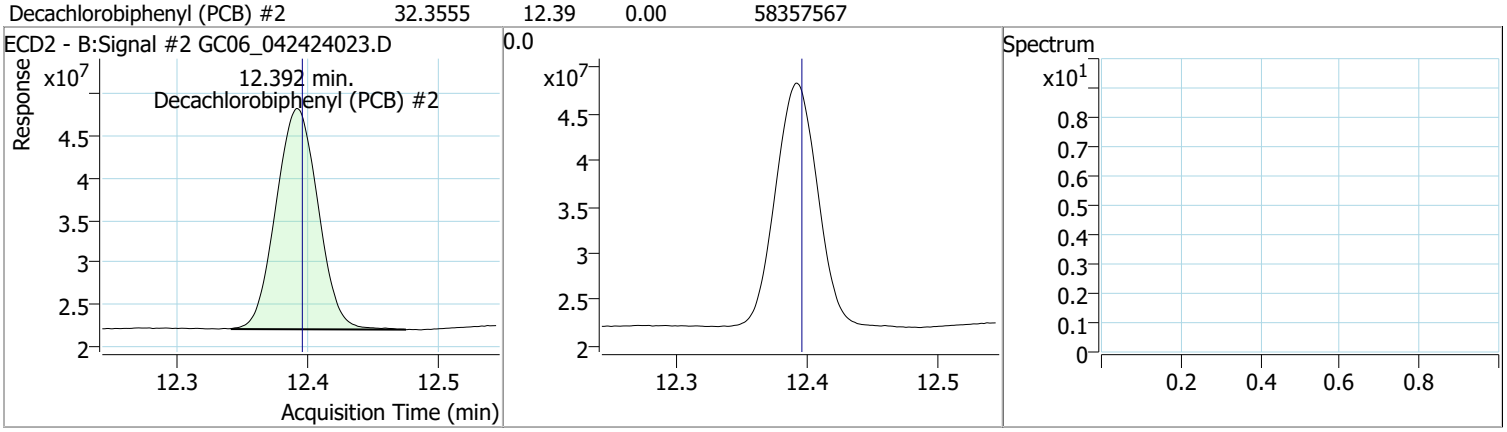
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	294.1582	11.05	0.00	45624185				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	74.6314	11.44	0.00	6795229 (m)				

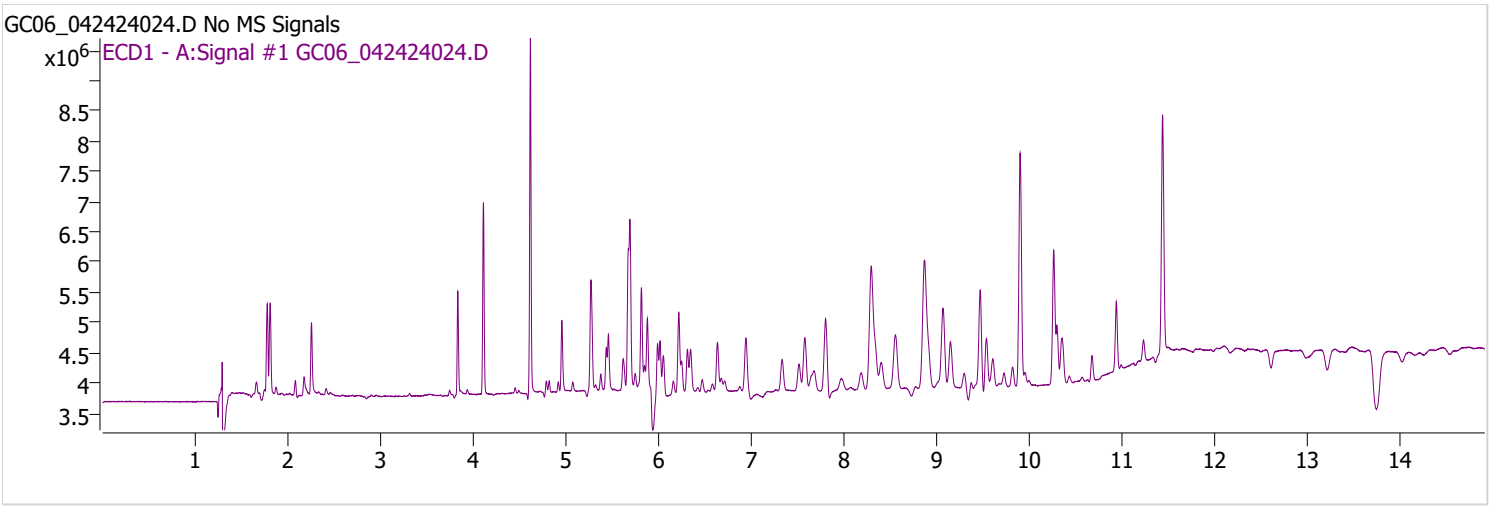


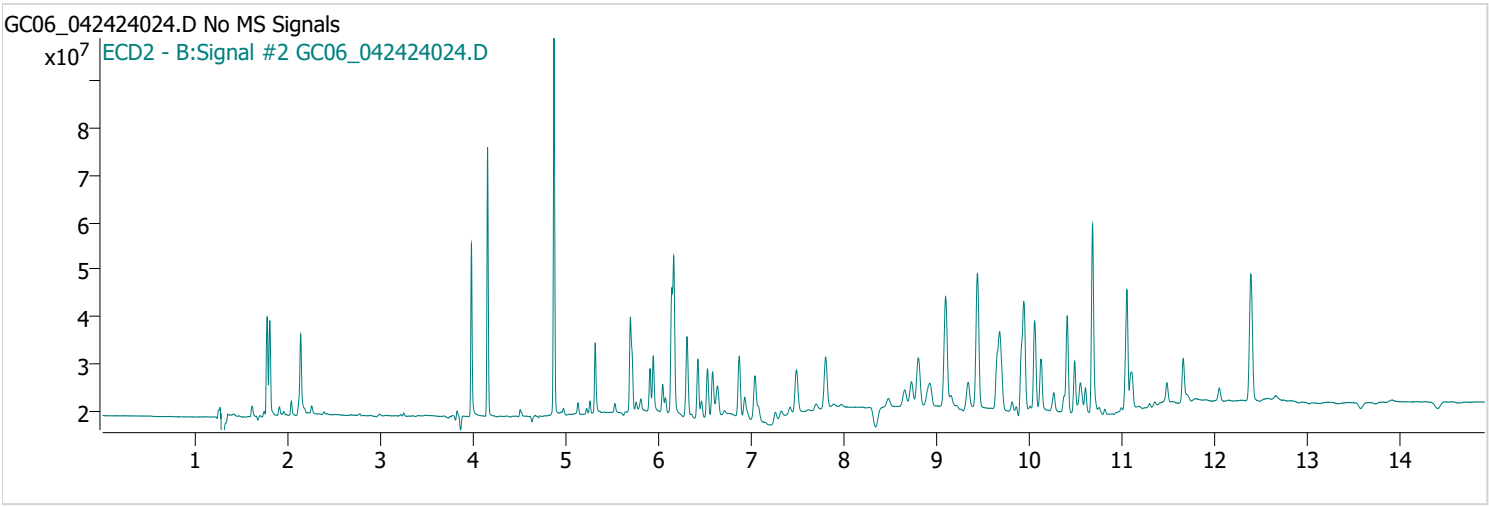
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	32.3555	12.39	0.00	58357567				



Quantitation Results Report (Not Reviewed)

Data File	GC06_042424024.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 3:31:15 PM
Sample Name	QC1147338, 338600, 1	Instrument	SVOA-GC06
Vial	3	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	WIPE/1dm3-10ML
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



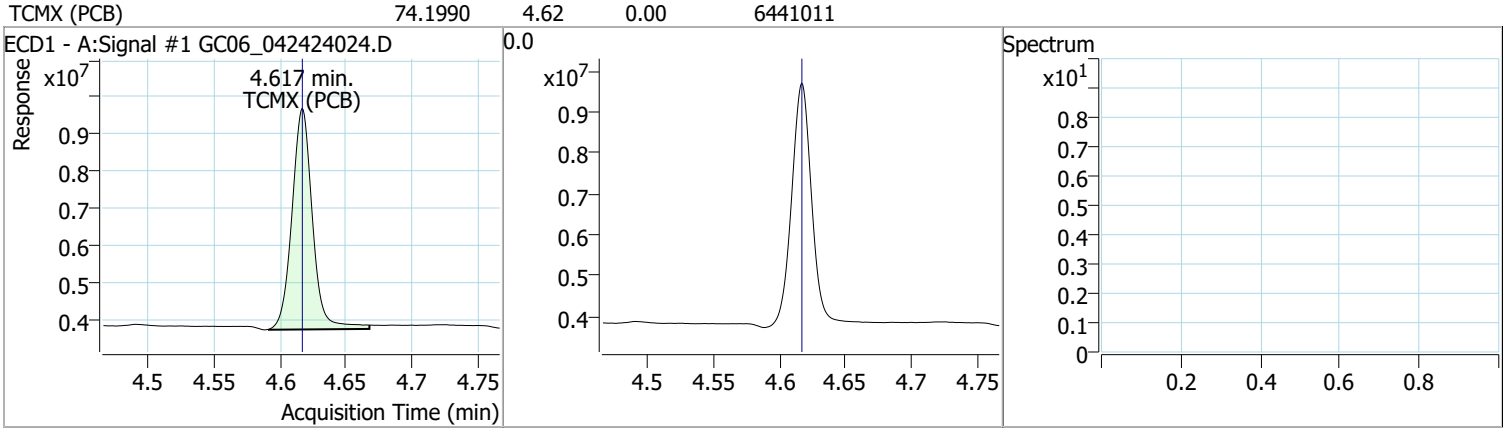


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.833	0.0	1928151.042	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.981	0.0	43402415.511	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.617	0.0	6441010.970	74.1990	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 370.99%		*	
S TCMX (PCB) #2	4.872	0.0	82810181.835	43.9998	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 220.00%		*	
S Decachlorobiphenyl (PCB)	11.439	0.0	7506709.278	65.3987	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 326.99%		*	
S Decachlorobiphenyl (PCB) #2	12.391	0.0	60636551.108	34.1749	ng/ml		-0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 170.87%		*	
Target Compounds							QValue

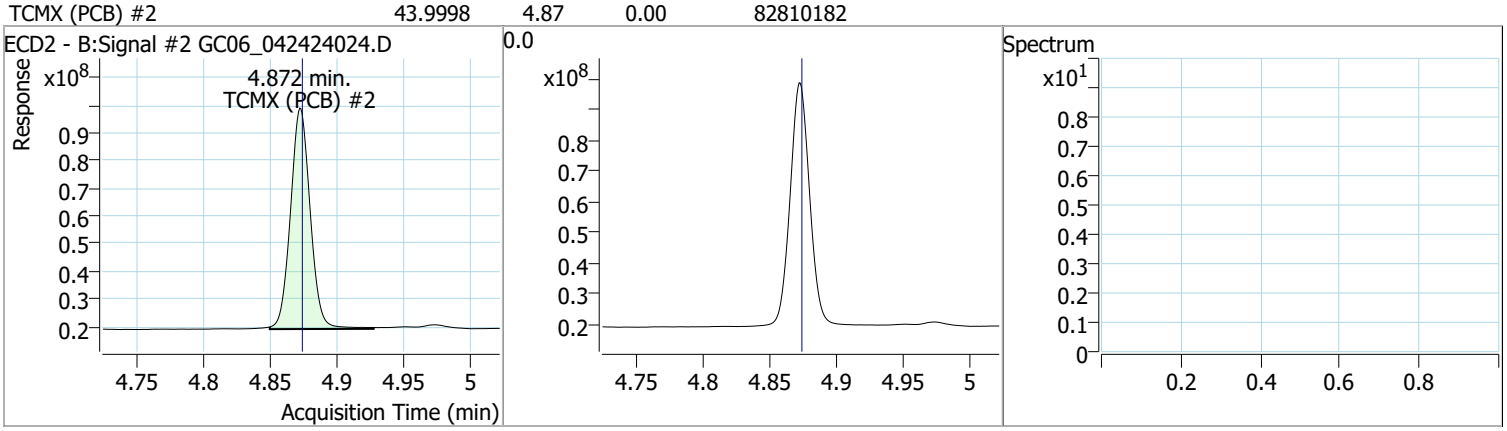
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.957	0.0	1451708.552	700.3834	ng/ml		100
T AR1016 2	5.271	0.0	3209812.284	804.3891	ng/ml		100
T AR1016 1 #2	5.316	0.0	18663249.346	465.3437	ng/ml		100
T AR1016 3	5.691	0.0	4092101.062	836.0318	ng/ml	m	100
T AR1016 2 #2	5.696	0.0	39672933.579	494.4530	ng/ml		100
T AR1016 4	5.814	0.0	3185523.017	921.8044	ng/ml	m	100
T AR1016 3 #2	6.163	0.0	53129938.777	478.0767	ng/ml	m	100
T AR1016 5	6.218	0.0	2102319.673	726.1254	ng/ml	m	100
T AR1016 4 #2	6.307	0.0	28098673.365	382.4990	ng/ml		100
T AR1016 5 #2	6.871	0.0	22714896.076	369.3872	ng/ml		100
T AR1260 1	7.802	0.0	3158665.000	535.6439	ng/ml	m	100
T AR1260 2	8.294	0.0	7169996.432	794.7854	ng/ml		100
T AR1260 3	8.871	0.0	7956168.131	836.7840	ng/ml		100
T AR1260 1 #2	9.097	0.0	55256602.000	454.8587	ng/ml	m	100
T AR1260 2 #2	9.441	0.0	65289358.956	441.8152	ng/ml		100
T AR1260 4	9.471	0.0	3454599.700	631.6221	ng/ml	m	100
T AR1260 3 #2	9.941	0.0	67552578.977	370.7132	ng/ml		100
T AR1260 5	10.263	0.0	4164900.492	682.0333	ng/ml		100
T AR1260 4 #2	10.409	0.0	39655236.183	349.9607	ng/ml		100
T AR1260 5 #2	11.053	0.0	47615607.110	312.0738	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

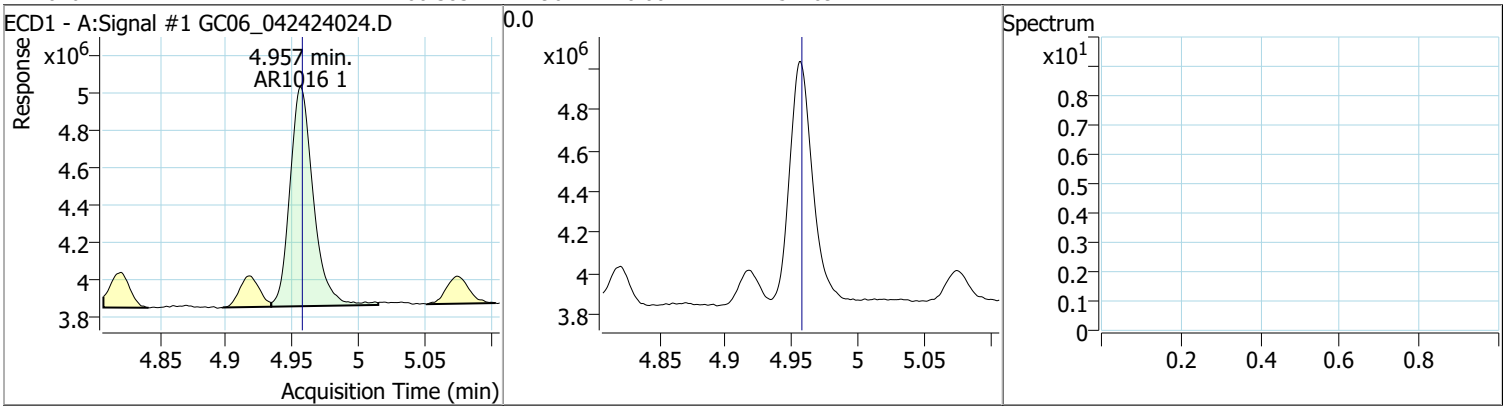
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	74.1990	4.62	0.00	6441011				



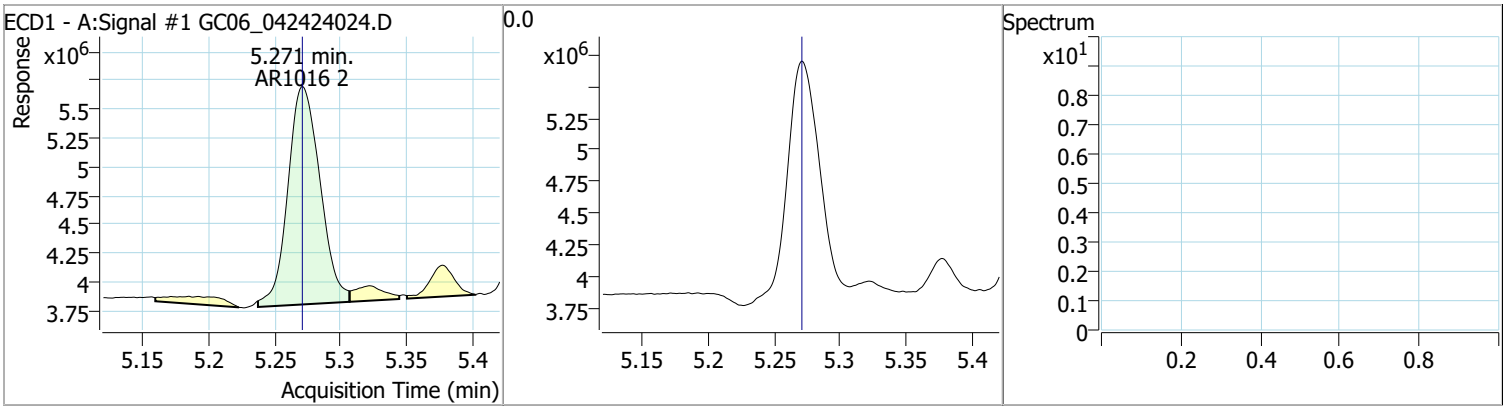
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	43.9998	4.87	0.00	82810182				



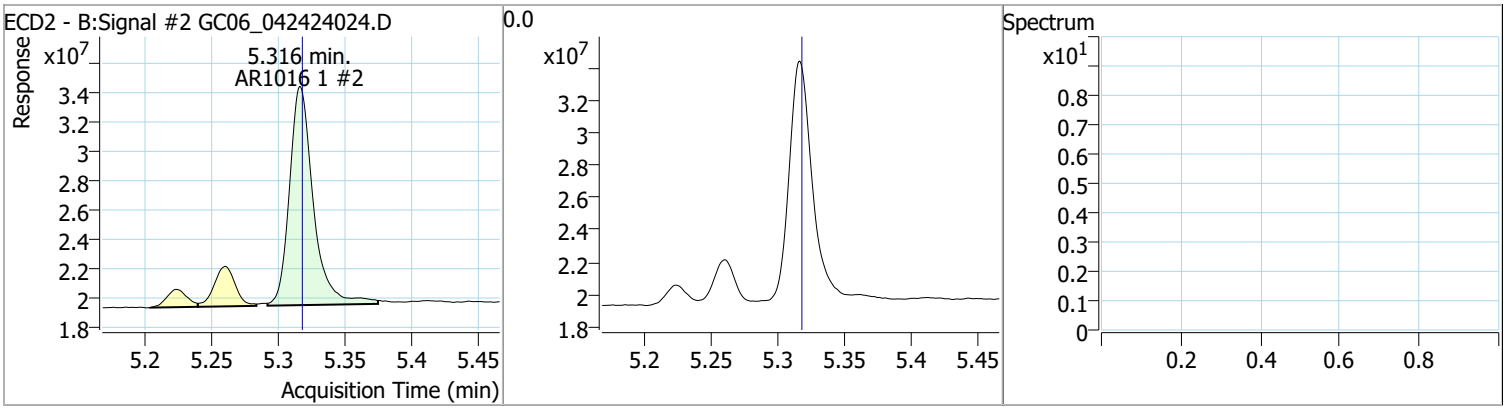
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	700.3834	4.96	0.00	1451709				



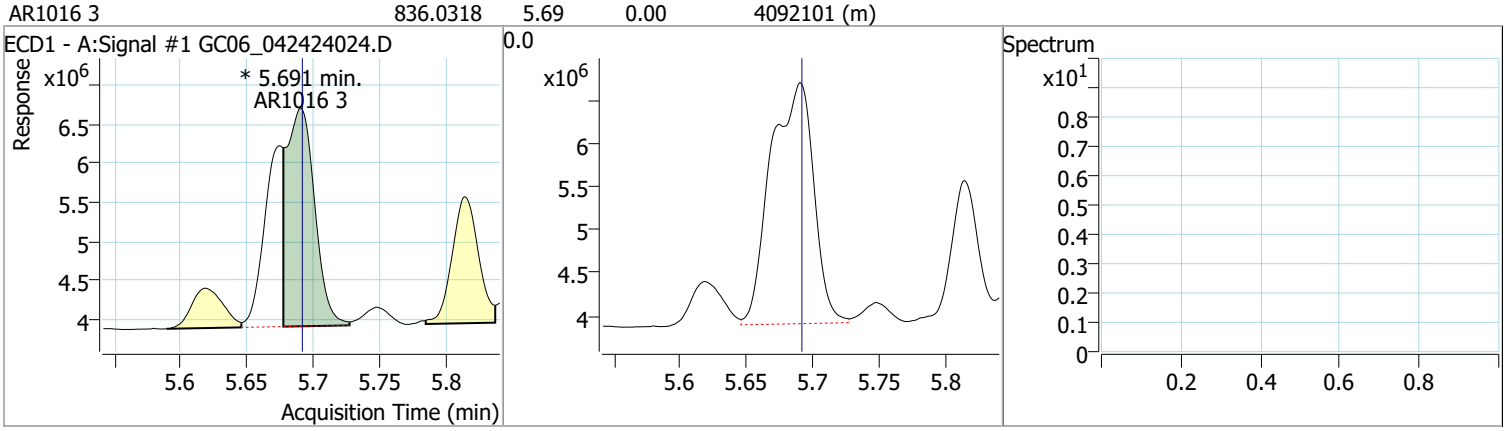
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	804.3891	5.27	0.00	3209812				



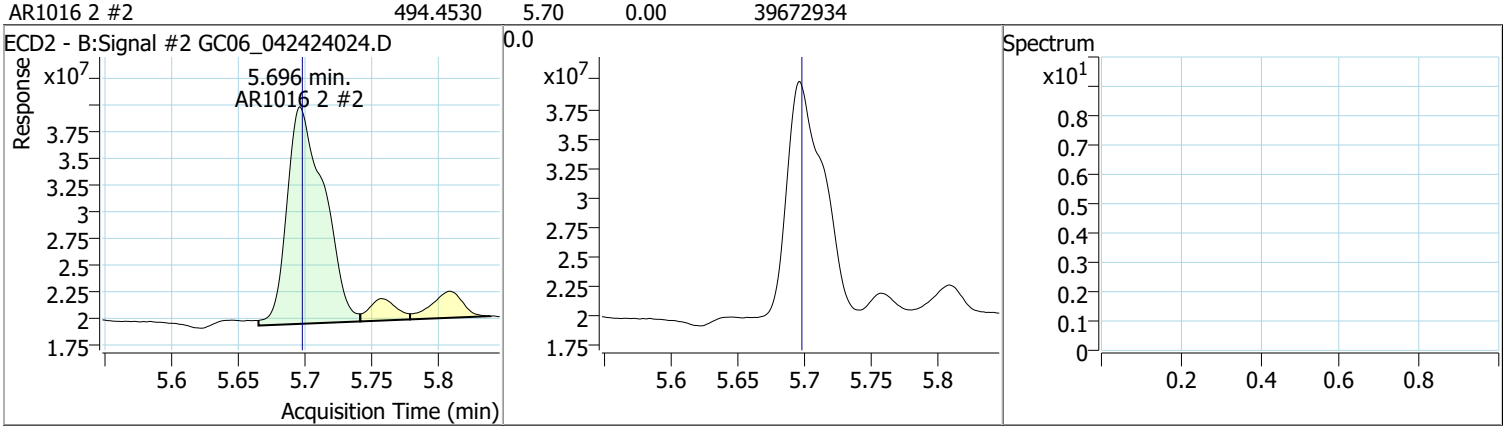
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	465.3437	5.32	0.00	18663249				



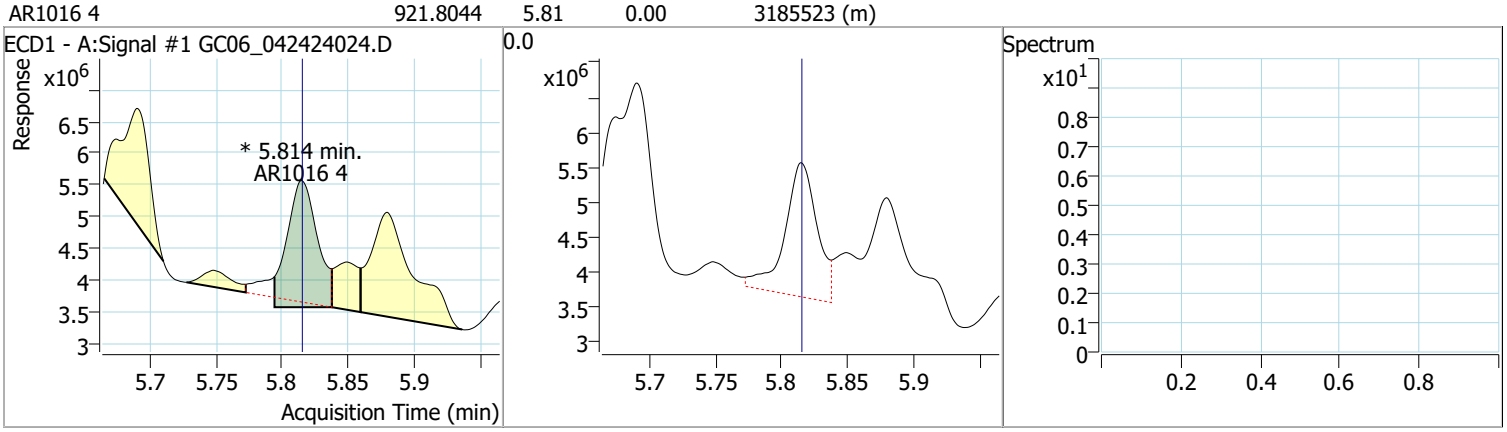
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	836.0318	5.69	0.00	4092101 (m)				



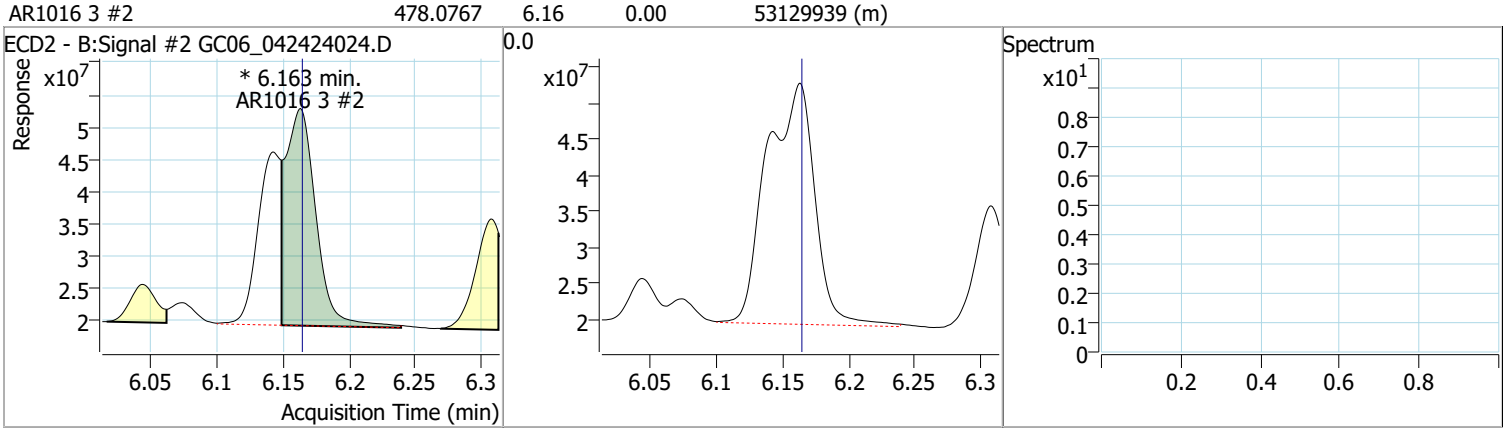
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	494.4530	5.70	0.00	39672934				



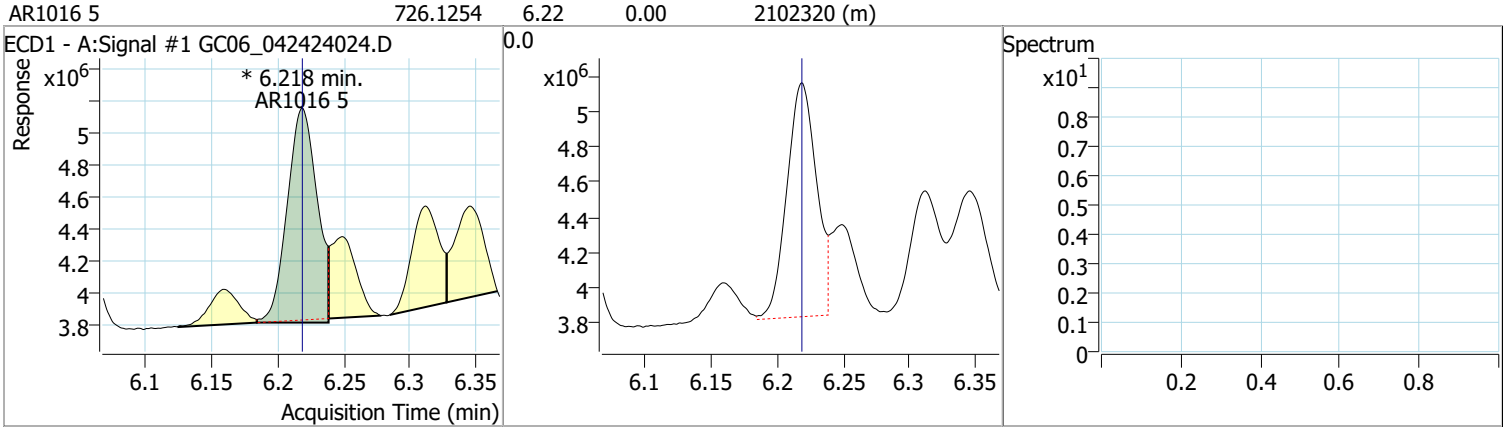
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	921.8044	5.81	0.00	3185523 (m)				



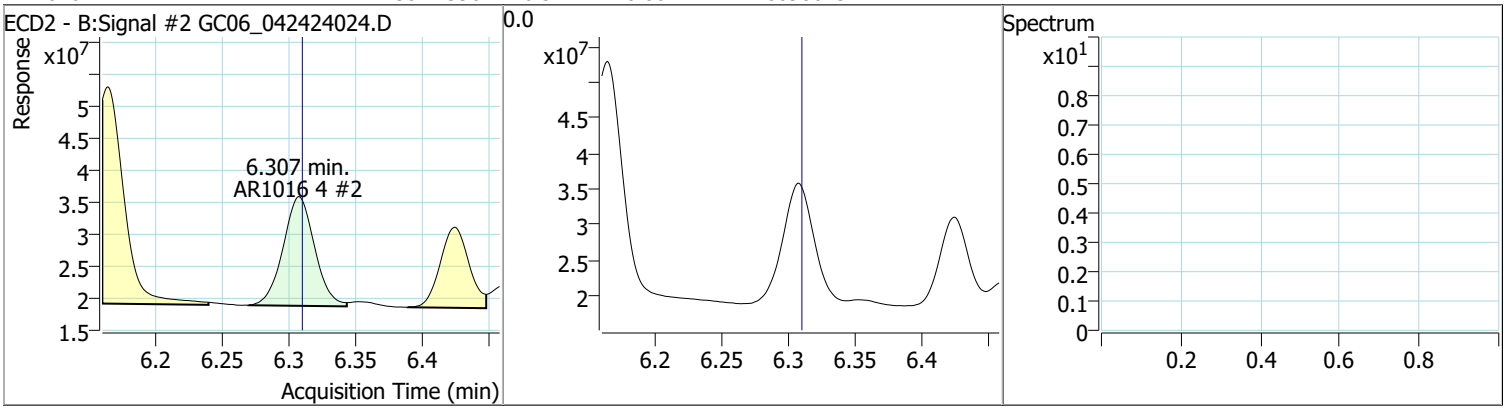
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	478.0767	6.16	0.00	53129939 (m)				



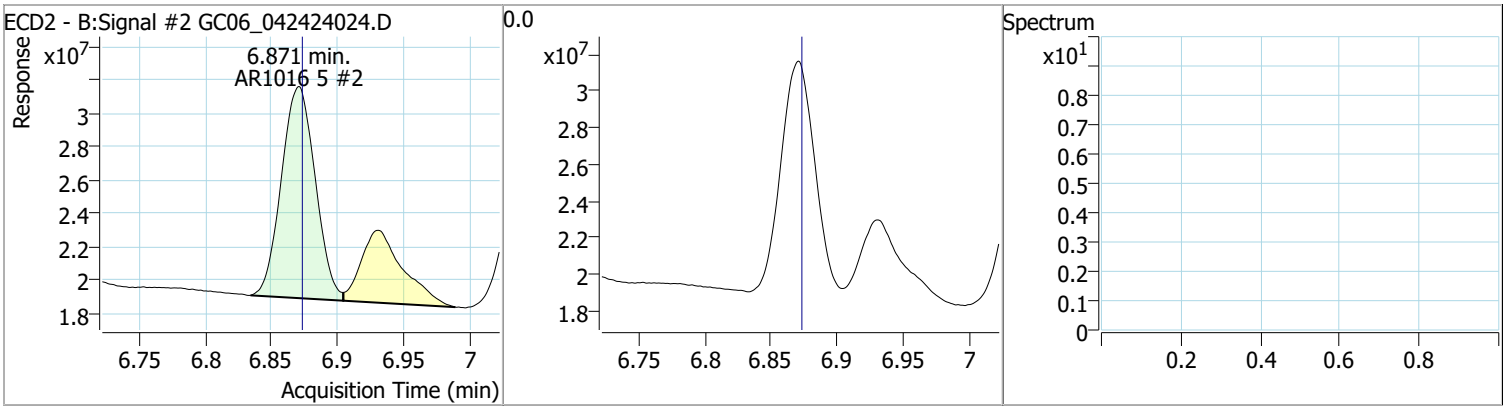
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	726.1254	6.22	0.00	2102320 (m)				



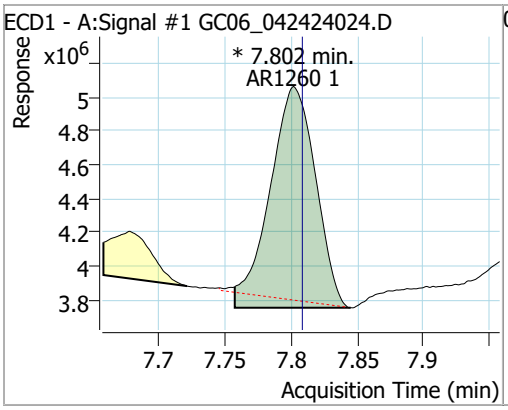
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	382.4990	6.31	0.00	28098673				

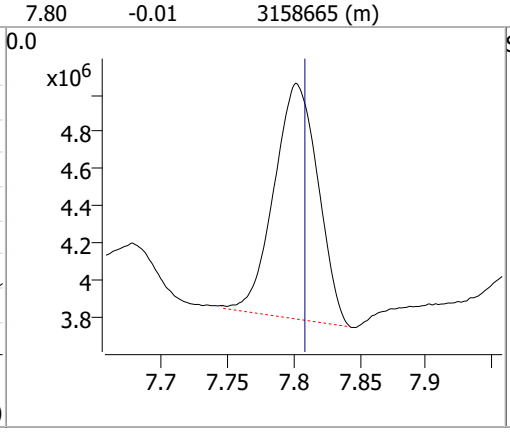


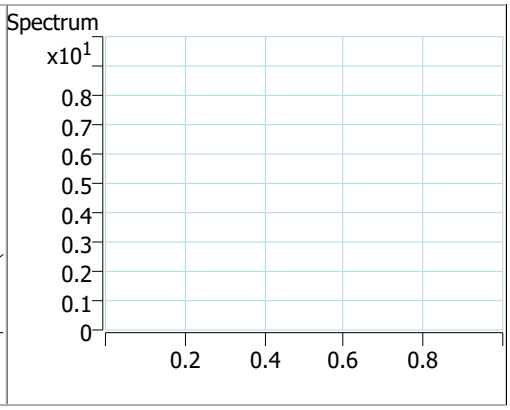
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	369.3872	6.87	0.00	22714896				



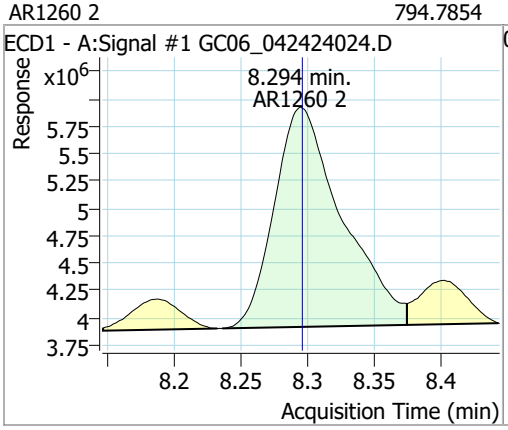
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	535.6439	7.80	-0.01	3158665 (m)				

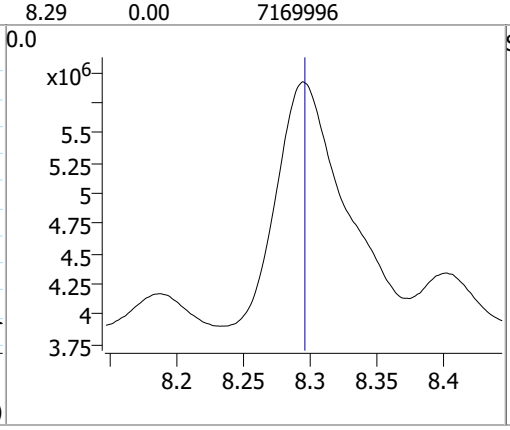


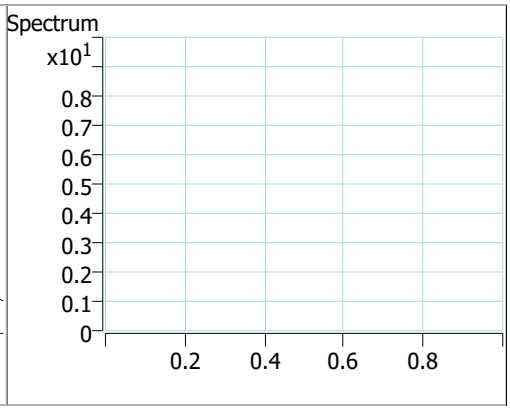




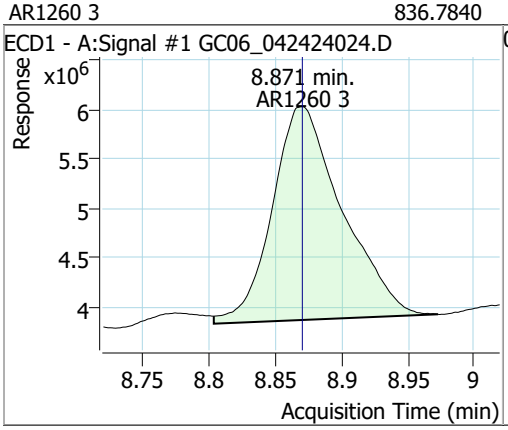
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	794.7854	8.29	0.00	7169996				

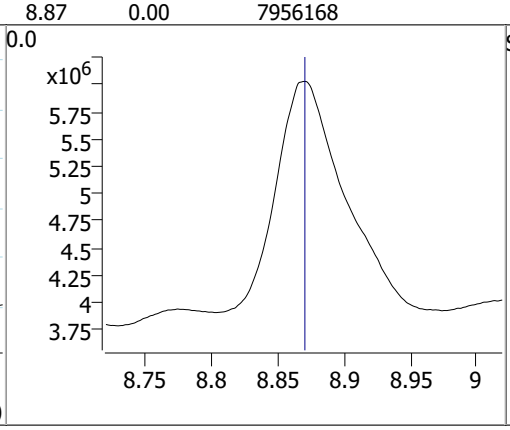


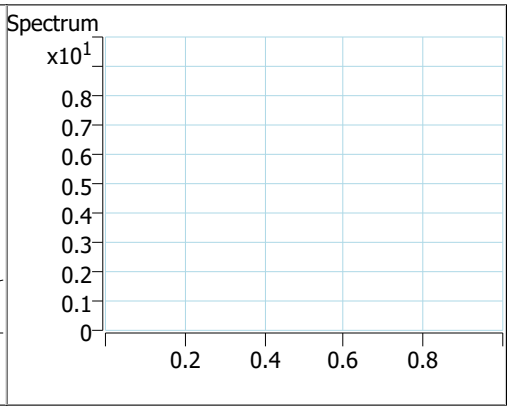




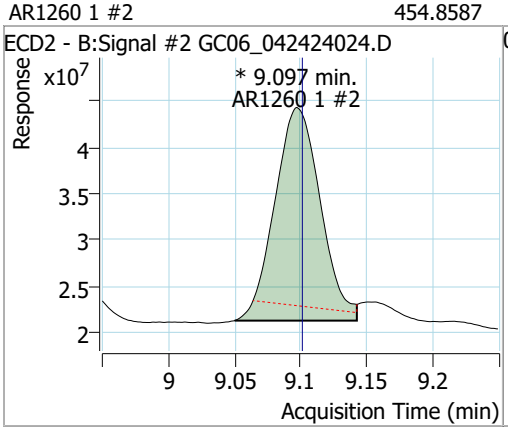
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	836.7840	8.87	0.00	7956168				

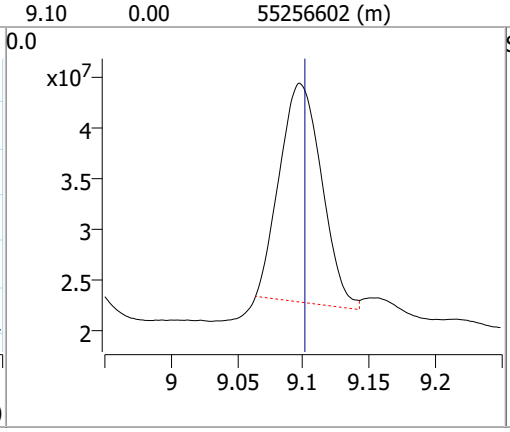


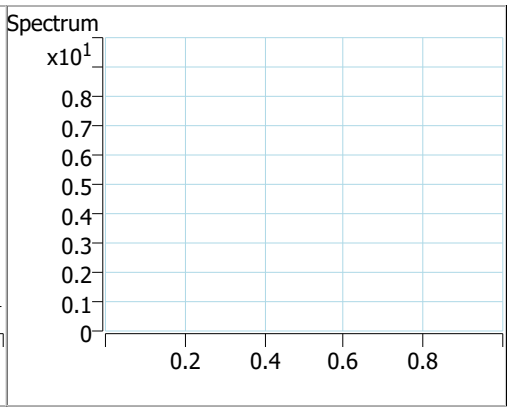




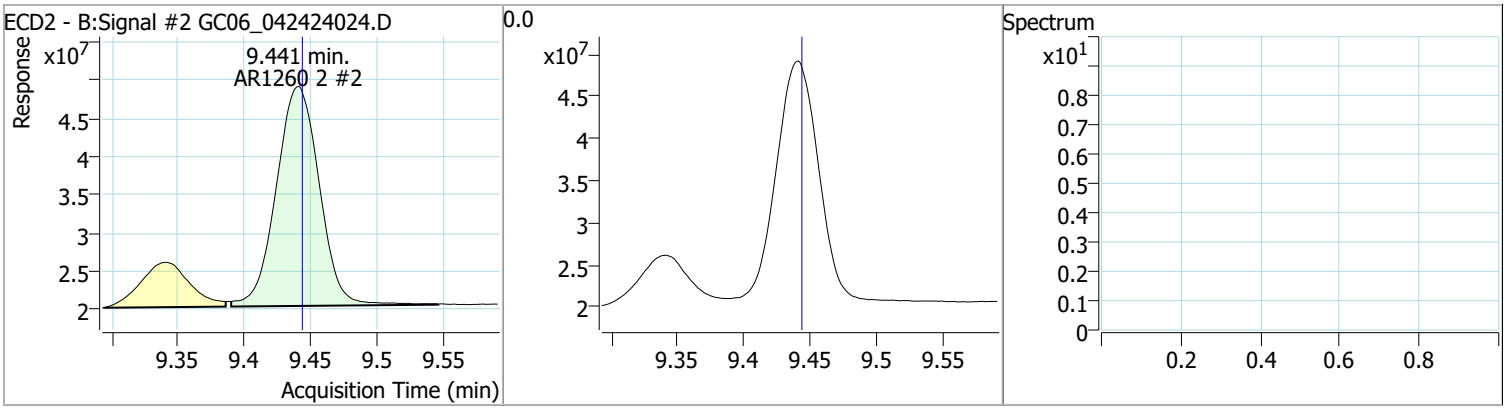
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	454.8587	9.10	0.00	55256602 (m)				



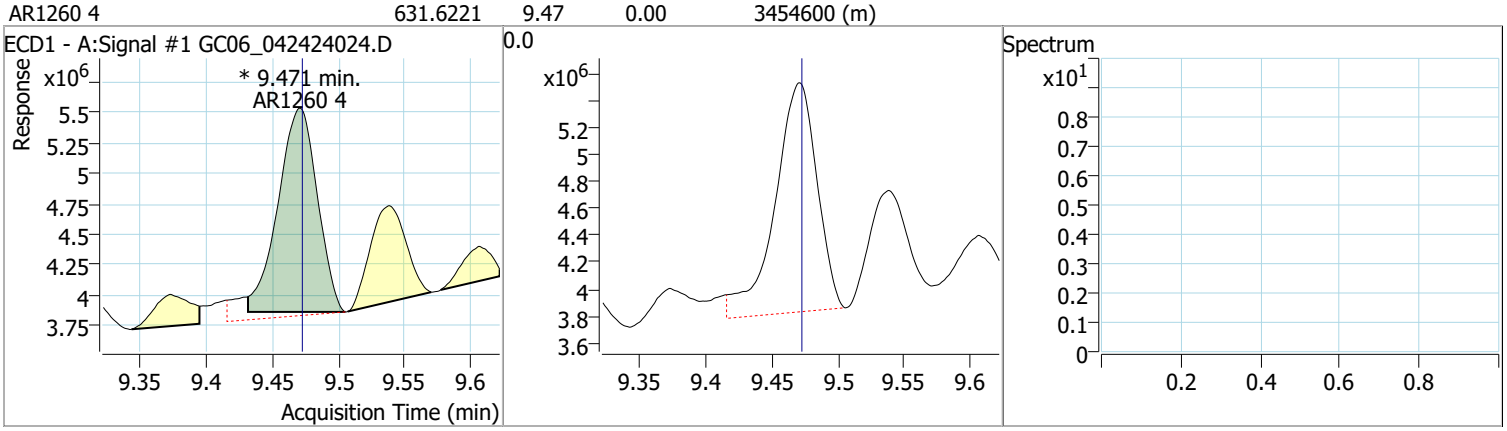




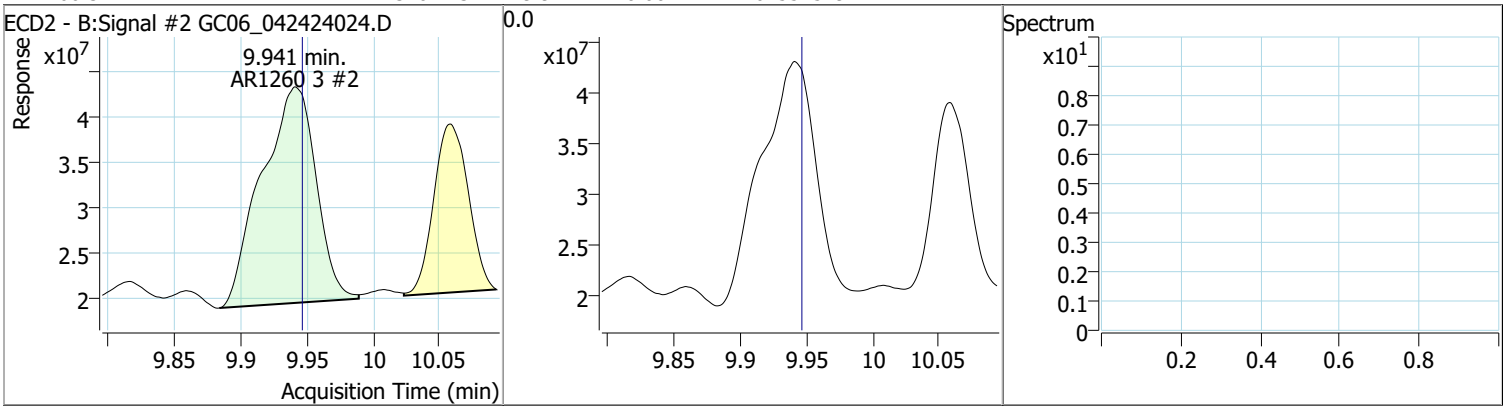
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	441.8152	9.44	0.00	65289359				



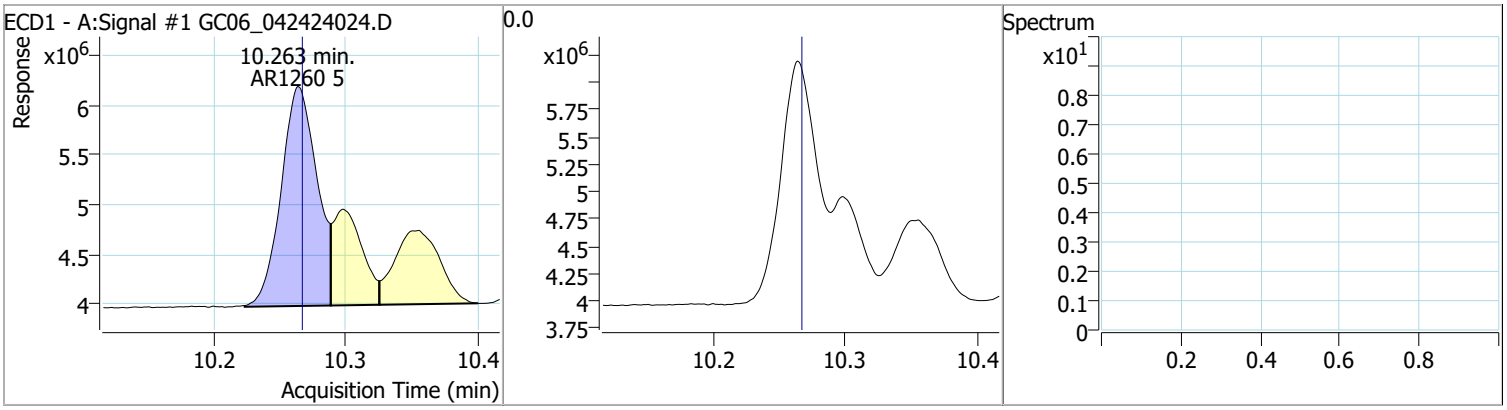
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	631.6221	9.47	0.00	3454600 (m)				



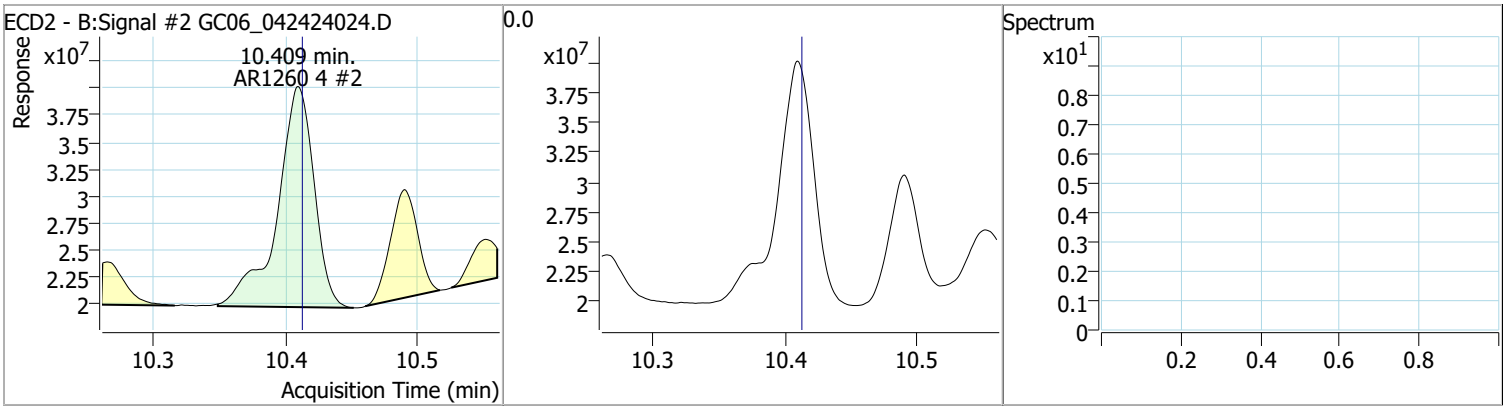
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	370.7132	9.94	0.00	67552579				



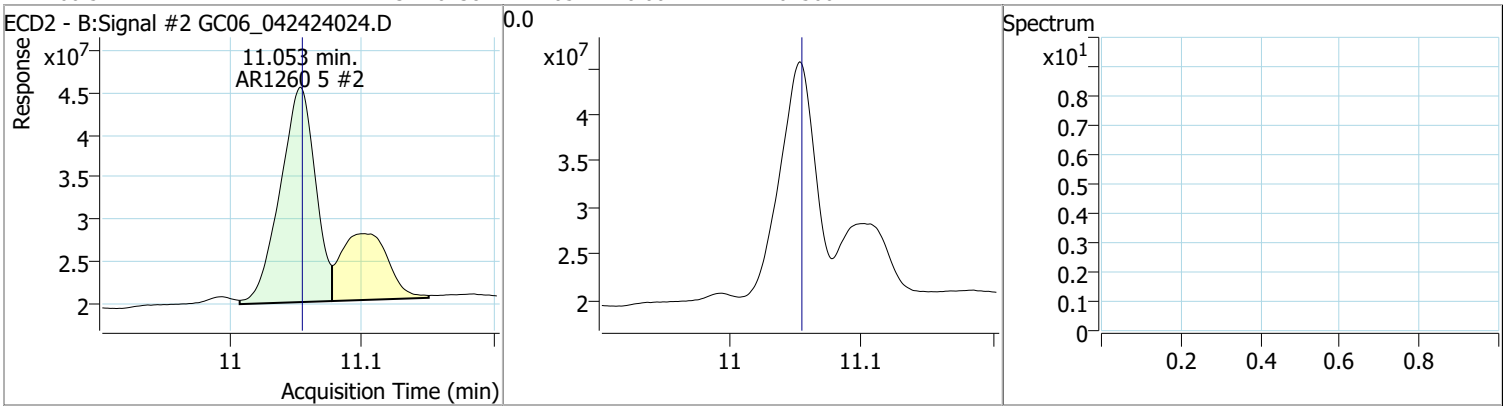
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	682.0333	10.26	0.00	4164900				



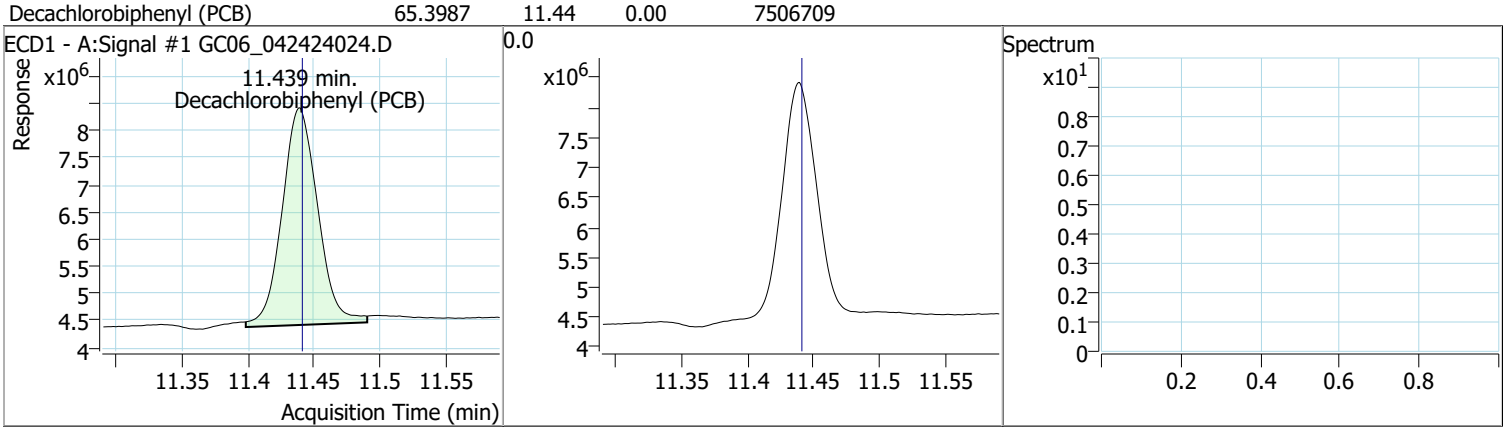
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	349.9607	10.41	0.00	39655236				



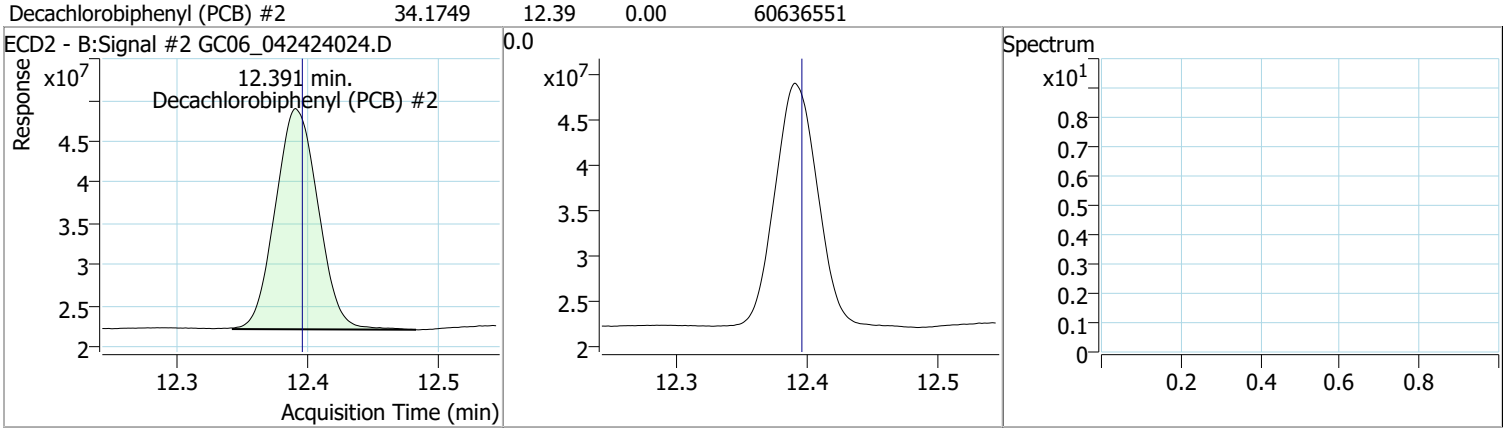
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	312.0738	11.05	0.00	47615607				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	65.3987	11.44	0.00	7506709				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	34.1749	12.39	0.00	60636551				



Initial Calibration Raw Data

ENTHALPY INITIAL CALIBRATION FOR 506868 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_032624_1
Calibration #:	454124679002	Date:	26-MAR-2024 13:59
Units:	ug/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	gc06_032624014	454124679014		26-MAR-2024 13:59	S20226
L2	gc06_032624015	454124679015		26-MAR-2024 14:19	S20227
L3	gc06_032624016	454124679016		26-MAR-2024 14:38	S20228
L4	gc06_032624018	454124679018		26-MAR-2024 15:18	S20229
L5	gc06_032624019	454124679019		26-MAR-2024 15:37	S20230
L6	gc06_032624020	454124679020		26-MAR-2024 15:57	S20231
L7	gc06_032624021	454124679021		26-MAR-2024 16:17	S20232
L8	gc06_032624022	454124679022		26-MAR-2024 16:37	S20233
L9	gc06_032624023	454124679023		26-MAR-2024 16:57	S20234
L10	gc06_032624024	454124679024		26-MAR-2024 19:13	S20235

ENTHALPY INITIAL CALIBRATION FOR 506868 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_032624_1
Calibration #:	454124679002	Date:	26-MAR-2024 13:59
Units:	ug/L	X Axis:	R

Analyte	Ch	Type	a0	a1	a2	Avg RF	%RSD	n	Min r^2	Max %RSD	Flags
Aroclor-1016 Peak # 1	A	AVRG		46.5123		0.0215	13	10	.99	20	
Aroclor-1016 Peak # 2	A	AVRG		24.1600		0.0414	16	10	.99	20	
Aroclor-1016 Peak # 3	A	AVRG		19.6964		0.0508	11	10	.99	20	
Aroclor-1016 Peak # 4	A	AVRG		27.8977		0.0358	17	9	.99	20	
Aroclor-1016 Peak # 5	A	AVRG		33.2984		0.0300	15	10	.99	20	
Aroclor-1260 Peak # 1	A	AVRG		16.3487		0.0612	16	9	.99	20	
Aroclor-1260 Peak # 2	A	AVRG		10.6867		0.0936	17	9	.99	20	
Aroclor-1260 Peak # 3	A	AVRG		10.1396		0.0986	16	9	.99	20	
Aroclor-1260 Peak # 4	A	AVRG		17.6267		0.0567	13	10	.99	20	
Aroclor-1260 Peak # 5	A	AVRG		15.7874		0.0633	12	8	.99	20	
Decachlorobiphenyl (PCB)	A	AVRG		0.83991		1.1906	13	10	.99	20	
TCMX (PCB)	A	AVRG		1.11059		0.9004	8	10	.99	20	
Aroclor-1016 Peak # 1	B	AVRG		54.1091		0.0185	17	10	.99	20	
Aroclor-1016 Peak # 2	B	AVRG		27.0467		0.0370	15	10	.99	20	
Aroclor-1016 Peak # 3	B	AVRG		19.5273		0.0512	13	9	.99	20	
Aroclor-1016 Peak # 4	B	AVRG		29.5412		0.0339	12	10	.99	20	
Aroclor-1016 Peak # 5	B	AVRG		35.2903		0.0283	16	10	.99	20	
Aroclor-1260 Peak # 1	B	AVRG		17.8639		0.0560	18	9	.99	20	
Aroclor-1260 Peak # 2	B	AVRG		14.6853		0.0681	20	9	.99	20	
Aroclor-1260 Peak # 3	B	AVRG		11.9091		0.0840	17	9	.99	20	
Aroclor-1260 Peak # 4	B	AVRG		19.1515		0.0522	19	10	.99	20	
Aroclor-1260 Peak # 5	B	AVRG		14.2230		0.0703	19	9	.99	20	
Decachlorobiphenyl (PCB)	B	AVRG		1.22309		0.8176	16	9	.99	20	
TCMX (PCB)	B	AVRG		1.15306		0.8673	10	10	.99	20	

Instrument amount = a0 + (response × a1) + (response² × a2)
AVRG: Average response factor

ENTHALPY INITIAL CALIBRATION FOR 506868 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_032624_1
Calibration #:	454124679002	Date:	26-MAR-2024 13:59
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	L10 RF
Aroclor-1016 Peak # 1	A	0.0245	0.0264	0.0247	0.0226	0.0207	0.0203	0.0192	0.0197	0.0182	0.0186
Aroclor-1016 Peak # 2	A	0.0537	0.0496	0.0459	0.0449	0.0405	0.0378	0.0350	0.0375	0.0340	0.0349
Aroclor-1016 Peak # 3	A	0.0568	0.0586	0.0579	0.0551	0.0481	0.0470	0.0452	0.0485	0.0444	0.0460
Aroclor-1016 Peak # 4	A		0.0486	0.0418	0.0383	0.0342	0.0325	0.0313	0.0334	0.0305	0.0321
Aroclor-1016 Peak # 5	A	0.0392	0.0320	0.0356	0.0313	0.0291	0.0280	0.0252	0.0280	0.0254	0.0266
Aroclor-1260 Peak # 1	A		0.0765	0.0733	0.0711	0.0594	0.0553	0.0515	0.0590	0.0502	0.0541
Aroclor-1260 Peak # 2	A		0.1197	0.1103	0.1081	0.0910	0.0849	0.0782	0.0902	0.0757	0.0839
Aroclor-1260 Peak # 3	A		0.1241	0.1180	0.1107	0.0919	0.0905	0.0824	0.0968	0.0797	0.0936
Aroclor-1260 Peak # 4	A	0.0692	0.0605	0.0614	0.0644	0.0542	0.0525	0.0478	0.0565	0.0465	0.0542
Aroclor-1260 Peak # 5	A			0.0733	0.0739	0.0618	0.0588	0.0551	0.0644	0.0542	0.0653
Decachlorobiphenyl (PCB)	A	1.2253	1.2559	1.3968	1.4261	1.1280	1.0879	0.9783	1.2229	0.9620	1.2230
TCMX (PCB)	A	1.0279	1.0067	0.9624	0.9028	0.8535	0.8207	0.8144	0.8813	0.8463	0.8882
Aroclor-1016 Peak # 1	B	0.0247	0.0199	0.0222	0.0195	0.0178	0.0165	0.0164	0.0173	0.0157	0.0149
Aroclor-1016 Peak # 2	B	0.0441	0.0453	0.0421	0.0410	0.0353	0.0334	0.0328	0.0344	0.0311	0.0303
Aroclor-1016 Peak # 3	B		0.0576	0.0636	0.0572	0.0518	0.0477	0.0462	0.0487	0.0438	0.0443
Aroclor-1016 Peak # 4	B	0.0405	0.0308	0.0416	0.0344	0.0326	0.0335	0.0313	0.0334	0.0301	0.0304
Aroclor-1016 Peak # 5	B	0.0382	0.0319	0.0322	0.0300	0.0258	0.0251	0.0254	0.0264	0.0237	0.0246
Aroclor-1260 Peak # 1	B		0.0724	0.0693	0.0637	0.0528	0.0503	0.0504	0.0524	0.0445	0.0481
Aroclor-1260 Peak # 2	B		0.0889	0.0880	0.0773	0.0634	0.0626	0.0597	0.0636	0.0524	0.0571
Aroclor-1260 Peak # 3	B		0.1083	0.1037	0.0935	0.0784	0.0766	0.0740	0.0805	0.0670	0.0739
Aroclor-1260 Peak # 4	B	0.0732	0.0575	0.0608	0.0546	0.0479	0.0470	0.0411	0.0509	0.0420	0.0472
Aroclor-1260 Peak # 5	B		0.0961	0.0855	0.0786	0.0652	0.0638	0.0600	0.0669	0.0546	0.0621
Decachlorobiphenyl (PCB)	B		0.9286	1.0526	0.9508	0.7771	0.7664	0.7062	0.8119	0.6301	0.7347
TCMX (PCB)	B	0.9620	0.9157	1.0250	0.9242	0.8303	0.7920	0.7750	0.8022	0.7986	0.8477

ENTHALPY INITIAL CALIBRATION FOR 506868 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_032624_1
Calibration #:	454124679002	Date:	26-MAR-2024 13:59
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	10.000	14	20.000	**23**	50.000	15	100.00	5	250.00	-4	500.00	-6	750.00	-11	1000.0	-8
Aroclor-1016 Peak # 2	A	10.000	30	20.000	20	50.000	11	100.00	9	250.00	-2	500.00	-9	750.00	-15	1000.0	-9
Aroclor-1016 Peak # 3	A	10.000	12	20.000	15	50.000	14	100.00	9	250.00	-5	500.00	-7	750.00	-11	1000.0	-4
Aroclor-1016 Peak # 4	A			20.000	36	50.000	17	100.00	7	250.00	-4	500.00	-9	750.00	-13	1000.0	-7
Aroclor-1016 Peak # 5	A	10.000	30	20.000	6	50.000	18	100.00	4	250.00	-3	500.00	-7	750.00	-16	1000.0	-7
Aroclor-1260 Peak # 1	A			20.000	25	50.000	20	100.00	16	250.00	-3	500.00	-10	750.00	-16	1000.0	-3
Aroclor-1260 Peak # 2	A			20.000	28	50.000	18	100.00	16	250.00	-3	500.00	-9	750.00	-16	1000.0	-4
Aroclor-1260 Peak # 3	A			20.000	26	50.000	20	100.00	12	250.00	-7	500.00	-8	750.00	-16	1000.0	-2
Aroclor-1260 Peak # 4	A	10.000	22	20.000	7	50.000	8	100.00	14	250.00	-5	500.00	-7	750.00	-16	1000.0	0
Aroclor-1260 Peak # 5	A					50.000	16	100.00	17	250.00	-2	500.00	-7	750.00	-13	1000.0	2
Decachlorobiphenyl (PCB)	A	0.8000	3	1.6000	5	4.0000	17	8.0000	20	20.000	-5	40.000	-9	60.000	-18	80.000	3
TCMX (PCB)	A	0.8000	14	1.6000	12	4.0000	7	8.0000	0	20.000	-5	40.000	-9	60.000	-10	80.000	-2
Aroclor-1016 Peak # 1	B	10.000	34	20.000	8	50.000	20	100.00	5	250.00	-4	500.00	-11	750.00	-11	1000.0	-7
Aroclor-1016 Peak # 2	B	10.000	19	20.000	**22**	50.000	14	100.00	11	250.00	-5	500.00	-10	750.00	-11	1000.0	-7
Aroclor-1016 Peak # 3	B			20.000	13	50.000	**24**	100.00	12	250.00	1	500.00	-7	750.00	-10	1000.0	-5
Aroclor-1016 Peak # 4	B	10.000	20	20.000	-9	50.000	**23**	100.00	2	250.00	-4	500.00	-1	750.00	-8	1000.0	-1
Aroclor-1016 Peak # 5	B	10.000	35	20.000	13	50.000	14	100.00	6	250.00	-9	500.00	-11	750.00	-10	1000.0	-7
Aroclor-1260 Peak # 1	B			20.000	29	50.000	**24**	100.00	14	250.00	-6	500.00	-10	750.00	-10	1000.0	-6
Aroclor-1260 Peak # 2	B			20.000	31	50.000	**29**	100.00	14	250.00	-7	500.00	-8	750.00	-12	1000.0	-7
Aroclor-1260 Peak # 3	B			20.000	29	50.000	**23**	100.00	11	250.00	-7	500.00	-9	750.00	-12	1000.0	-4
Aroclor-1260 Peak # 4	B	10.000	40	20.000	10	50.000	16	100.00	5	250.00	-8	500.00	-10	750.00	**-21**	1000.0	-3
Aroclor-1260 Peak # 5	B			20.000	37	50.000	**22**	100.00	12	250.00	-7	500.00	-9	750.00	-15	1000.0	-5
Decachlorobiphenyl (PCB)	B			1.6000	14	4.0000	**29**	8.0000	16	20.000	-5	40.000	-6	60.000	-14	80.000	-1
TCMX (PCB)	B	0.8000	11	1.6000	6	4.0000	18	8.0000	7	20.000	-4	40.000	-9	60.000	-11	80.000	-8

ENTHALPY INITIAL CALIBRATION FOR 506868 PCBS Wipe: EPA 8082

Instrument:	SVOA-GC06	Name:	PCB_032624_1
Calibration #:	454124679002	Date:	26-MAR-2024 13:59
Units:	ug/L	X Axis:	R

Spiked Amounts / Drifts	Ch	L9	%D	L10	%D
Aroclor-1016 Peak # 1	A	1500.0	-15	2000.0	-14
Aroclor-1016 Peak # 2	A	1500.0	-18	2000.0	-16
Aroclor-1016 Peak # 3	A	1500.0	-12	2000.0	-9
Aroclor-1016 Peak # 4	A	1500.0	-15	2000.0	-11
Aroclor-1016 Peak # 5	A	1500.0	-15	2000.0	-11
Aroclor-1260 Peak # 1	A	1500.0	-18	2000.0	-12
Aroclor-1260 Peak # 2	A	1500.0	-19	2000.0	-10
Aroclor-1260 Peak # 3	A	1500.0	-19	2000.0	-5
Aroclor-1260 Peak # 4	A	1500.0	-18	2000.0	-4
Aroclor-1260 Peak # 5	A	1500.0	-14	2000.0	3
Decachlorobiphenyl (PCB)	A	120.00	-19	160.00	3
TCMX (PCB)	A	120.00	-6	160.00	-1
Aroclor-1016 Peak # 1	B	1500.0	-15	2000.0	-19
Aroclor-1016 Peak # 2	B	1500.0	-16	2000.0	-18
Aroclor-1016 Peak # 3	B	1500.0	-15	2000.0	-13
Aroclor-1016 Peak # 4	B	1500.0	-11	2000.0	-10
Aroclor-1016 Peak # 5	B	1500.0	-16	2000.0	-13
Aroclor-1260 Peak # 1	B	1500.0	**-21**	2000.0	-14
Aroclor-1260 Peak # 2	B	1500.0	**-23**	2000.0	-16
Aroclor-1260 Peak # 3	B	1500.0	-20	2000.0	-12
Aroclor-1260 Peak # 4	B	1500.0	-20	2000.0	-10
Aroclor-1260 Peak # 5	B	1500.0	**-22**	2000.0	-12
Decachlorobiphenyl (PCB)	B	120.00	**-23**	160.00	-10
TCMX (PCB)	B	120.00	-8	160.00	-2

MTS 03/27/24 : Corrected automatically drawn baseline for all channels in all levels.

MTS 03/27/24 [Aroclor-1016 Peak # 3 B]: Separated from coeluting peak for all channels in all levels.

Analyst: MTS 03/27/24 **Reviewer:** LW 03/27/24

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 506868 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06	Name:	PCB_032624_1
Calnum:	454124679002	Cal Date:	26-MAR-2024

- ICV 454124679026 (gc06_032624026 26-MAR-2024) stds: S20242

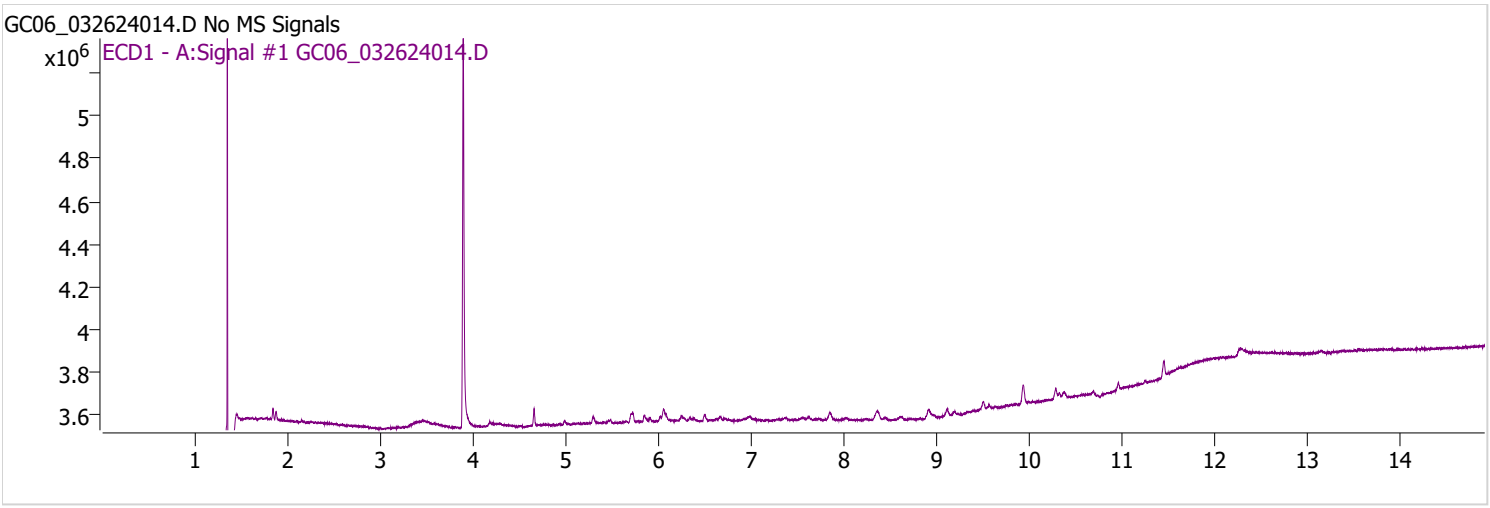
Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Aroclor-1016	A	500.0	518.1	ug/L	4	15	
Aroclor-1260	A	500.0	492.4	ug/L	-2	15	
Aroclor-1016	B	500.0	529.2	ug/L	6	15	
Aroclor-1260	B	500.0	474.1	ug/L	-5	15	

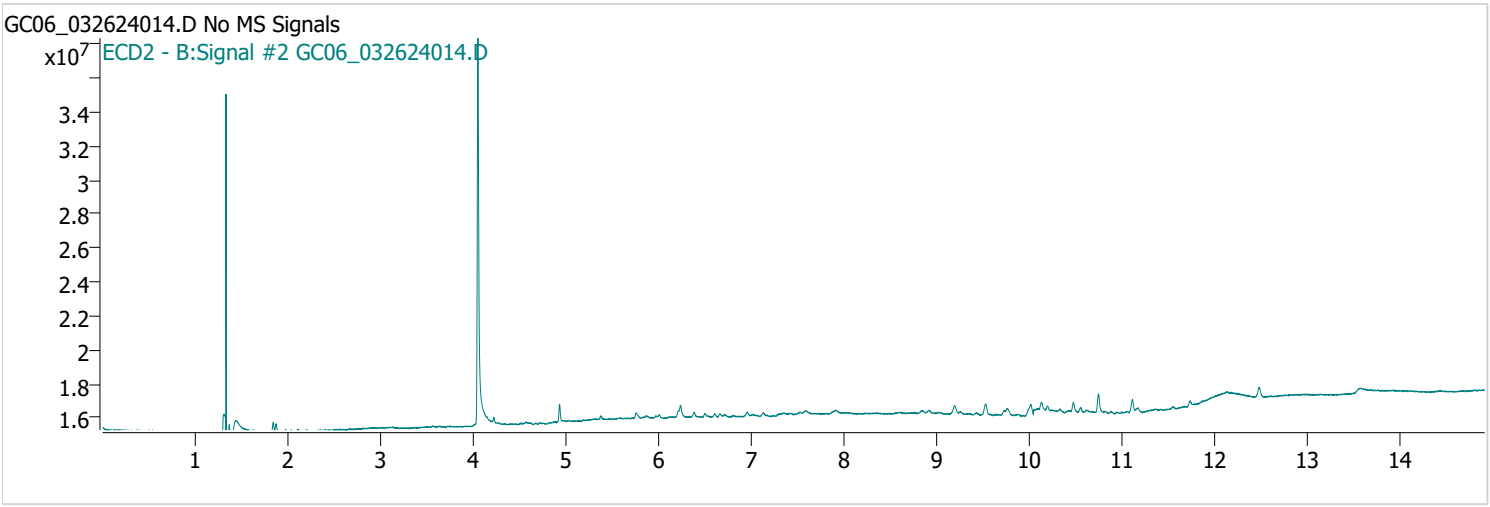
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Analyst: MTS 03/27/24 **Reviewer:** LW 03/27/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_032624014.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	3/26/2024 1:59:29 PM
Sample Name	ICAL, S20226	Instrument	SVOA-GC06
Vial	10	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_1.m	Comment	10 ppb PCB ICAL 1
Tune File	ATUNE.U	Tune Date	
Batch Name	032624_PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



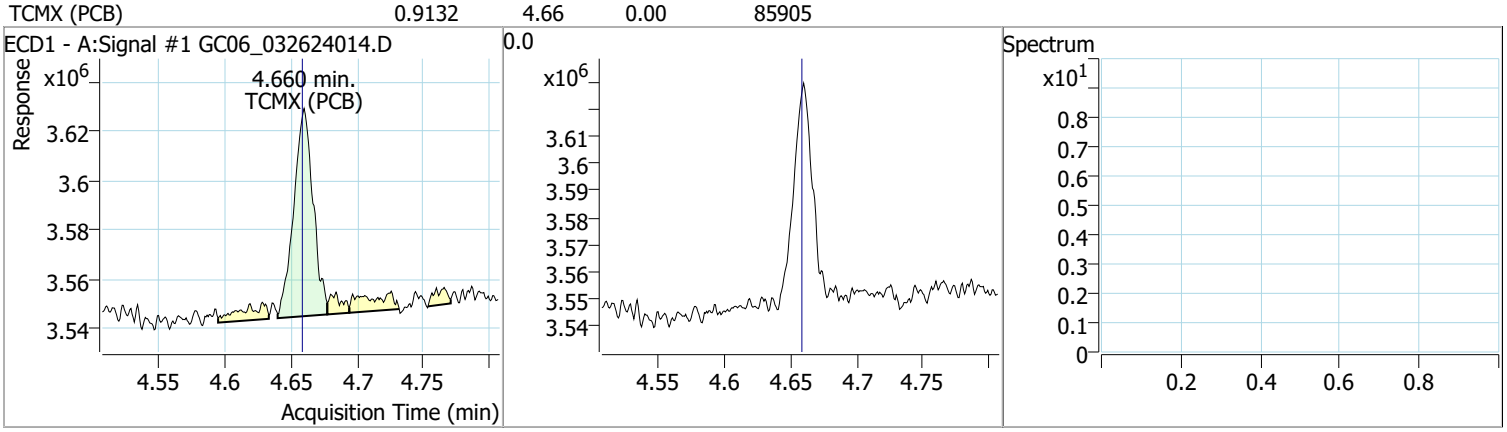


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.894	0.0	2089421.421	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.053	0.0	28158653.596	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.660	0.0	85904.547	0.9132	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.57%		*	
S TCMX (PCB) #2	4.935	0.0	1083546.190	0.8874	ng/ml	m	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.44%		*	
S Decachlorobiphenyl (PCB)	11.464	0.0	102403.334	0.8233	ng/ml		0.007
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 4.12%		*	
S Decachlorobiphenyl (PCB) #2	12.490	0.0	1225353.998	1.0645	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 5.32%		*	
Target Compounds							**QValue**
T AR1016 1	4.989	0.0	25633.265	11.4124	ng/ml		100

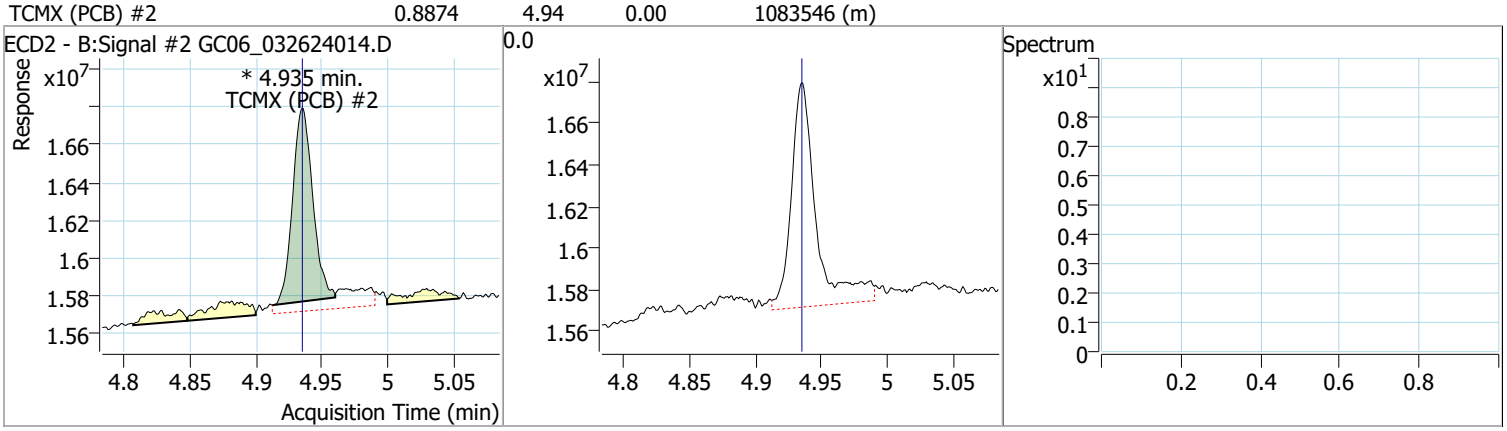
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.298	0.0	56094.192	12.9724	ng/ml	m	100
T AR1016 1 #2	5.380	0.0	348084.181	13.3774	ng/ml		100
T AR1016 3	5.724	0.0	59375.407	11.1943	ng/ml	m	100
T AR1016 2 #2	5.763	0.0	621228.026	11.9339	ng/ml		100
T AR1016 4	5.849	0.0	65840.195	17.5818	ng/ml	m	100
T AR1016 3 #2	6.243	0.0	1244439.861	17.2597	ng/ml	m	100
T AR1016 5	6.251	0.0	40919.566	13.0424	ng/ml		100
T AR1016 4 #2	6.388	0.0	569917.020	11.9580	ng/ml		100
T AR1016 5 #2	6.962	0.0	537537.200	13.4735	ng/ml		100
T AR1260 1	7.861	0.0	99586.573	15.5843	ng/ml		100
T AR1260 2	8.370	0.0	147344.098	15.0723	ng/ml		100
T AR1260 3	8.920	0.0	165789.819	16.0910	ng/ml		100
T AR1260 1 #2	9.203	0.0	1244566.452	15.7911	ng/ml		100
T AR1260 4	9.511	0.0	72337.901	12.2051	ng/ml		100
T AR1260 2 #2	9.536	0.0	1431730.889	14.9335	ng/ml		100
T AR1260 3 #2	10.025	0.0	1527396.959	12.9196	ng/ml		100
T AR1260 5	10.295	0.0	86093.558	13.0103	ng/ml		100
T AR1260 4 #2	10.483	0.0	1030690.079	14.0200	ng/ml		100
T AR1260 5 #2	11.123	0.0	1384231.241	13.9836	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

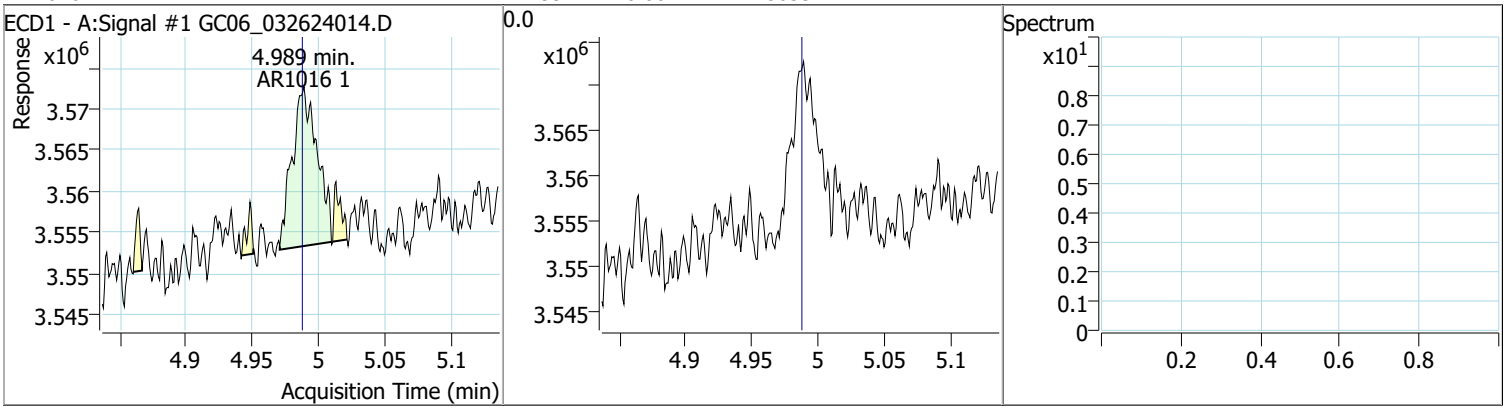
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	0.9132	4.66	0.00	85905				



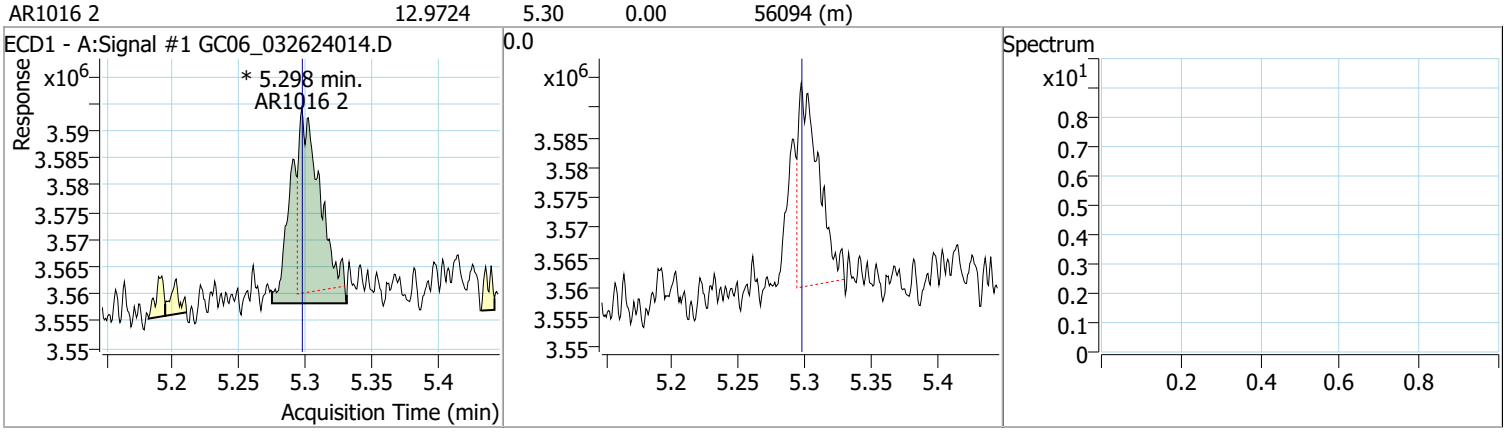
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	0.8874	4.94	0.00	1083546 (m)				



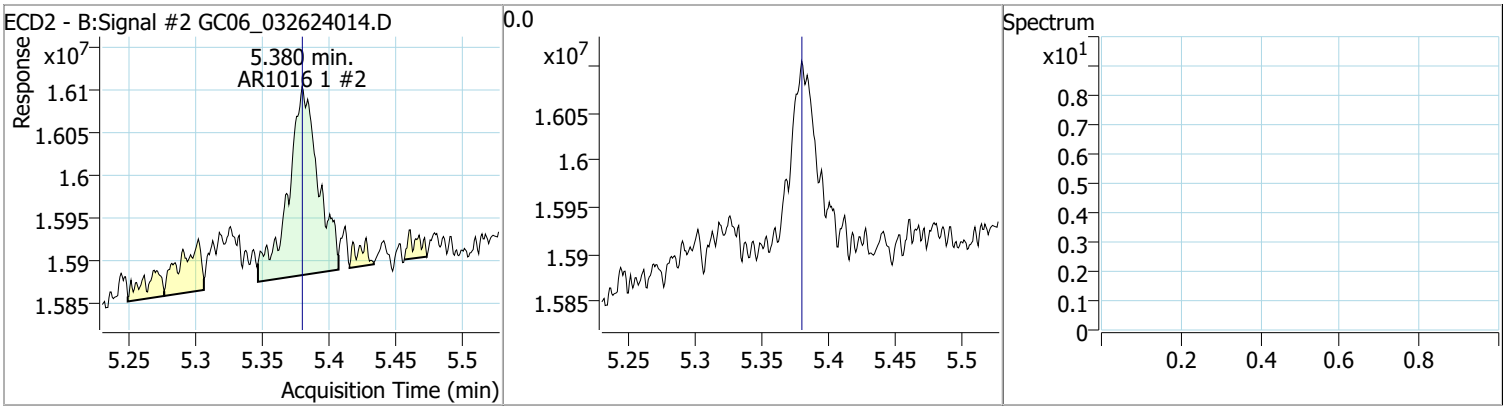
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	11.4124	4.99	0.00	25633				



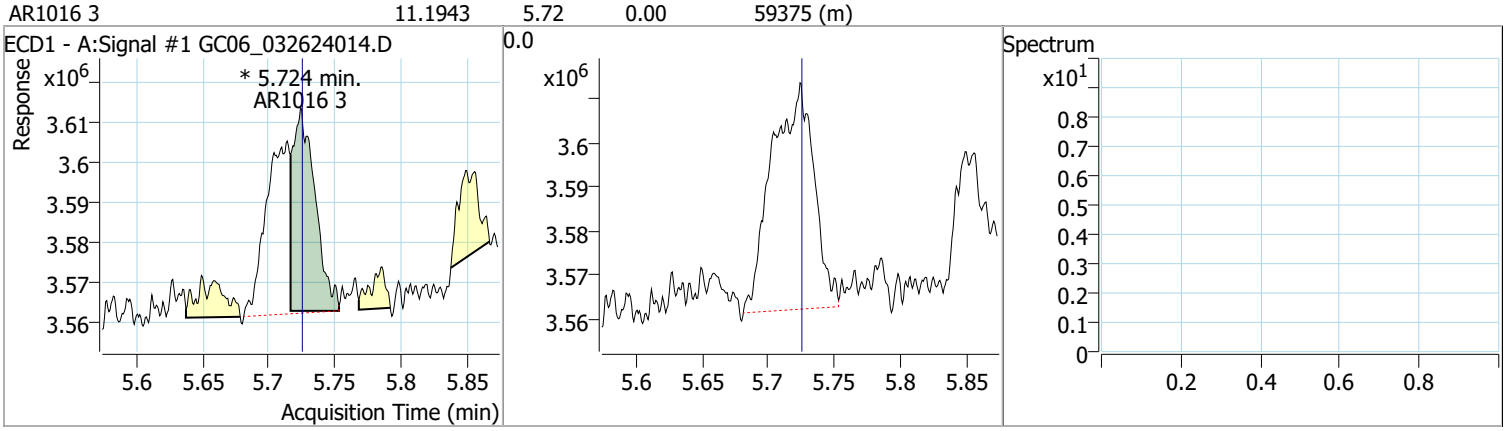
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	12.9724	5.30	0.00	56094 (m)				



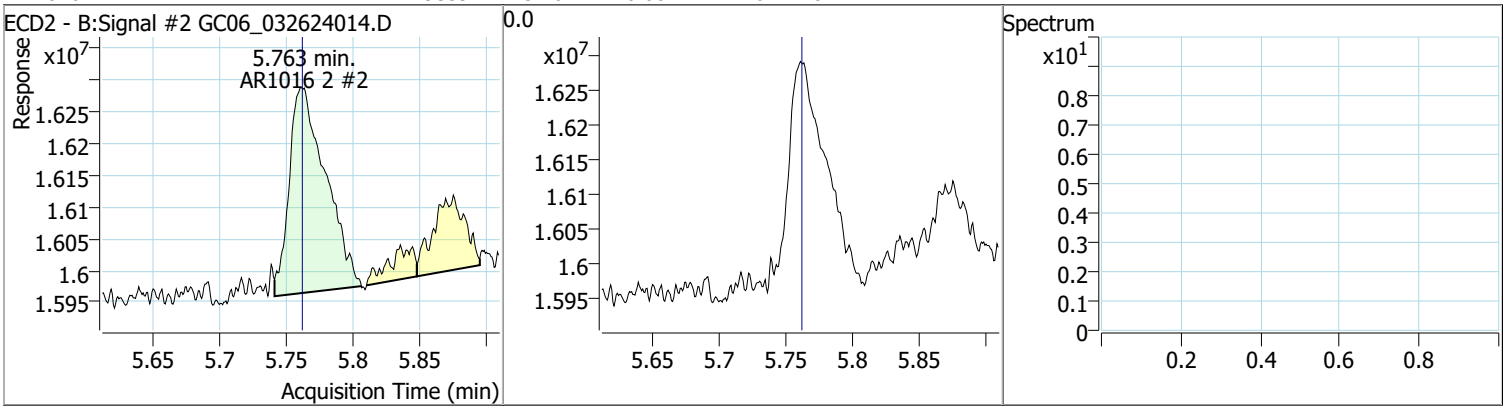
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	13.3774	5.38	0.00	348084				



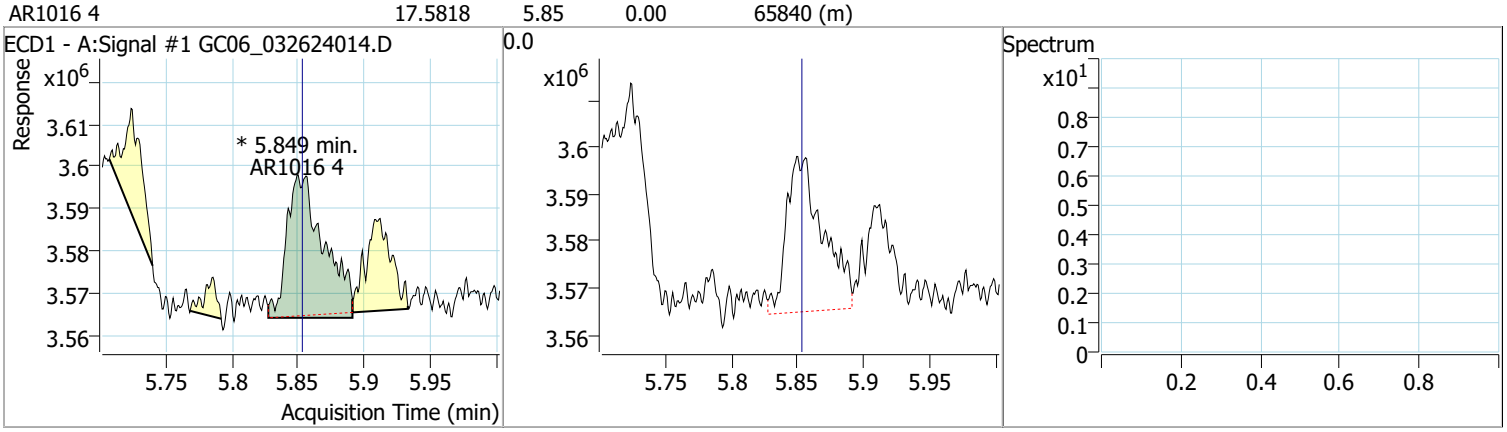
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	11.1943	5.72	0.00	59375 (m)				



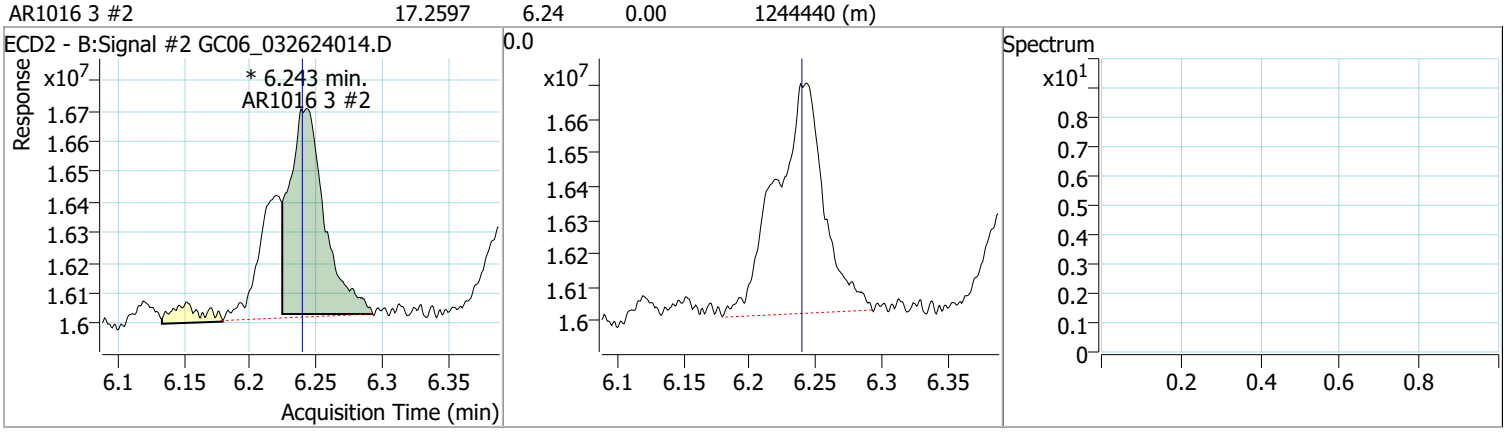
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	11.9339	5.76	0.00	621228				



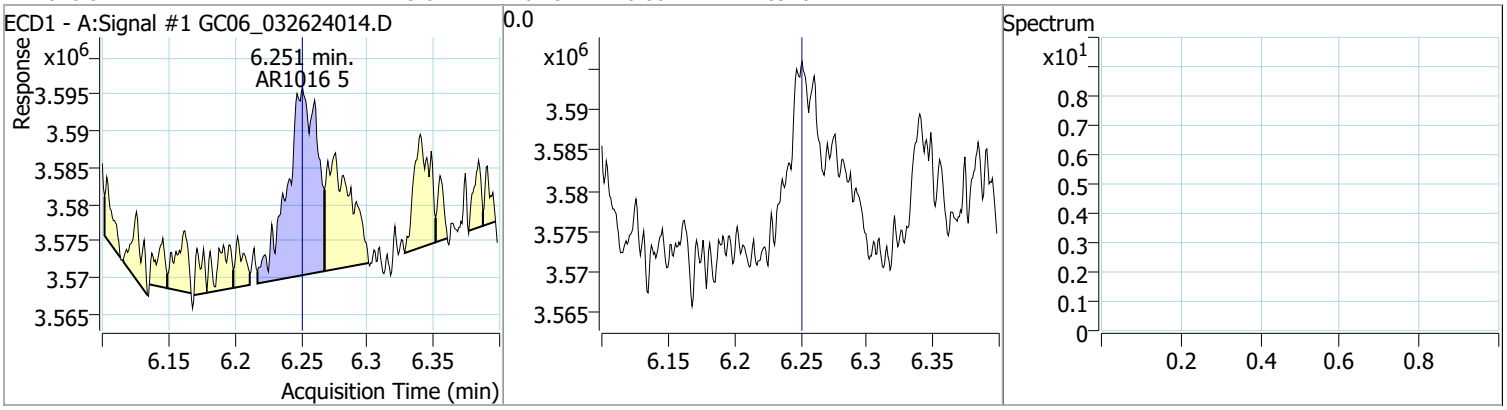
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	17.5818	5.85	0.00	65840 (m)				



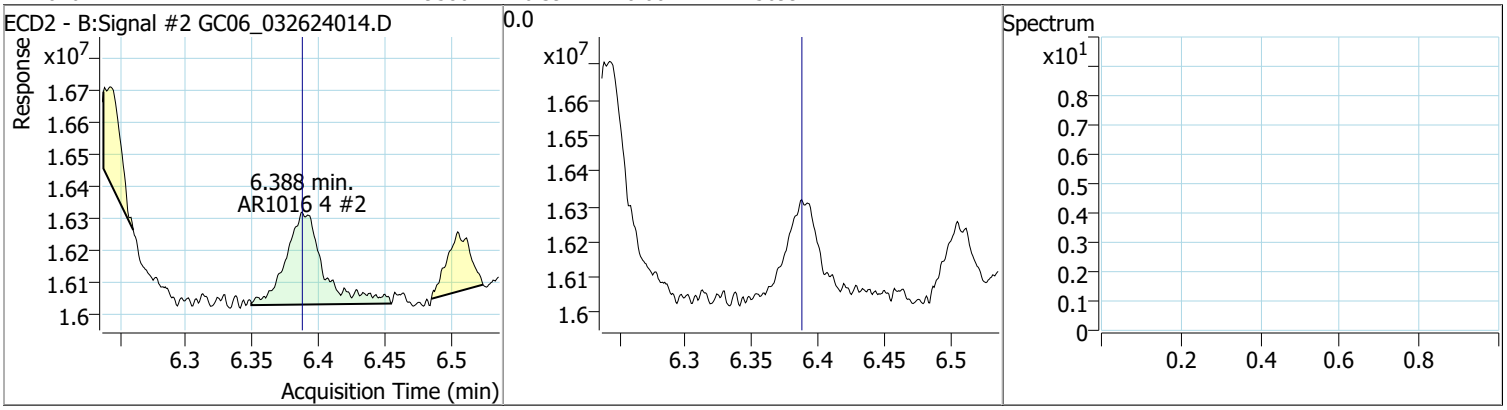
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	17.2597	6.24	0.00	1244440 (m)				



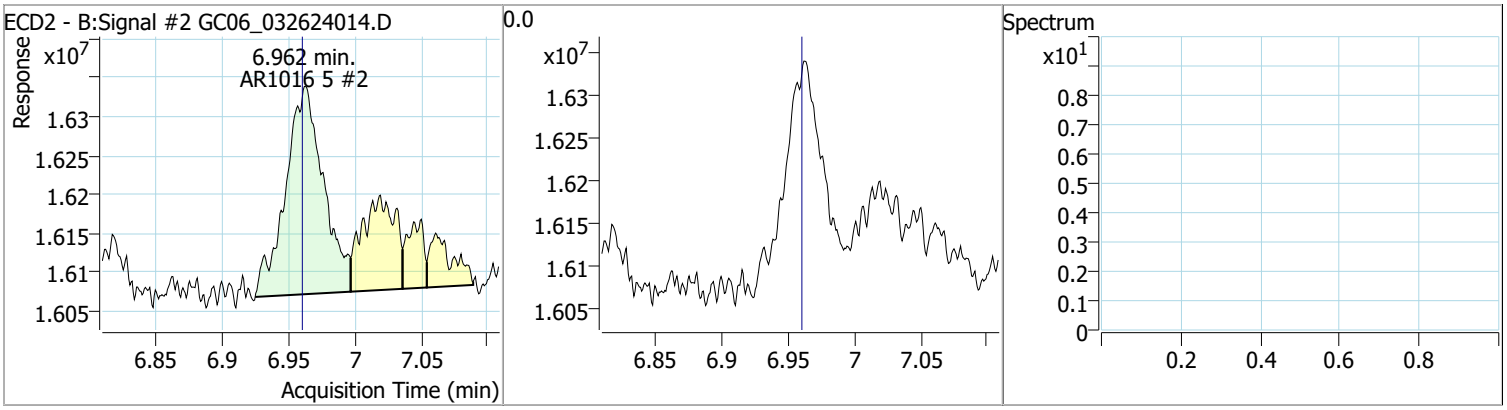
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	13.0424	6.25	0.00	40920				



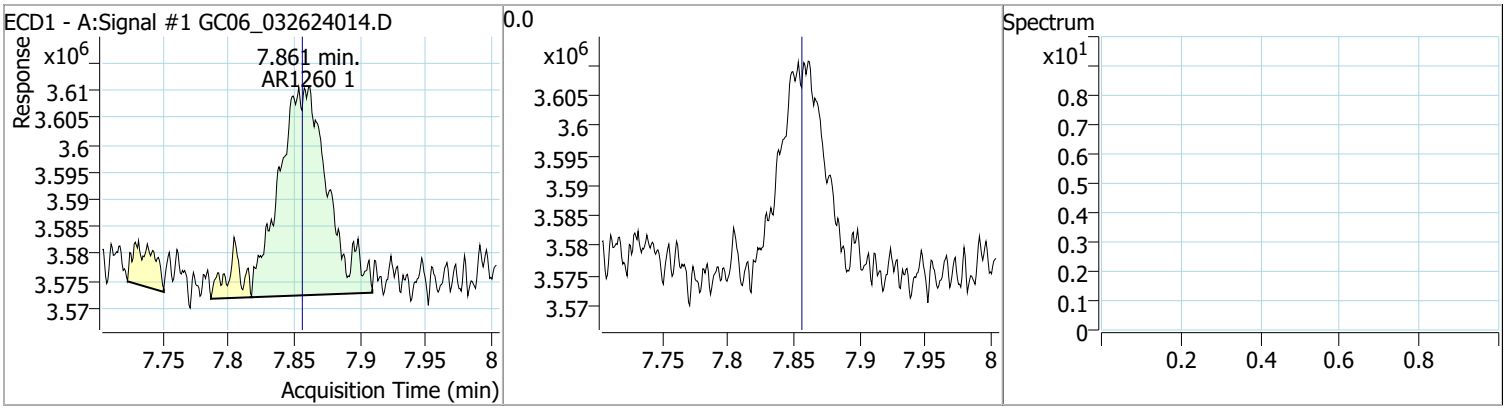
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	11.9580	6.39	0.00	569917				



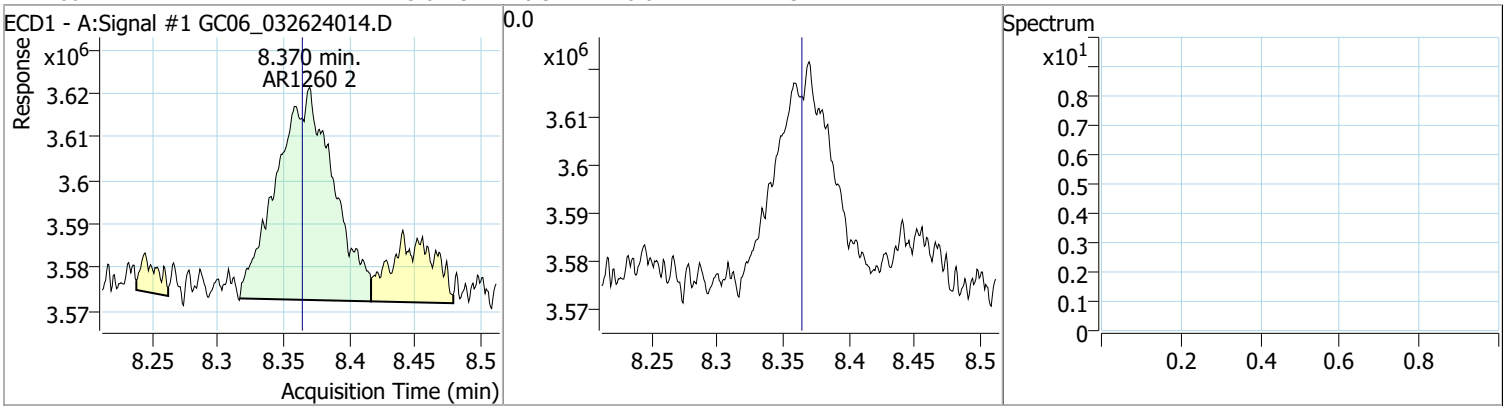
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	13.4735	6.96	0.00	537537				



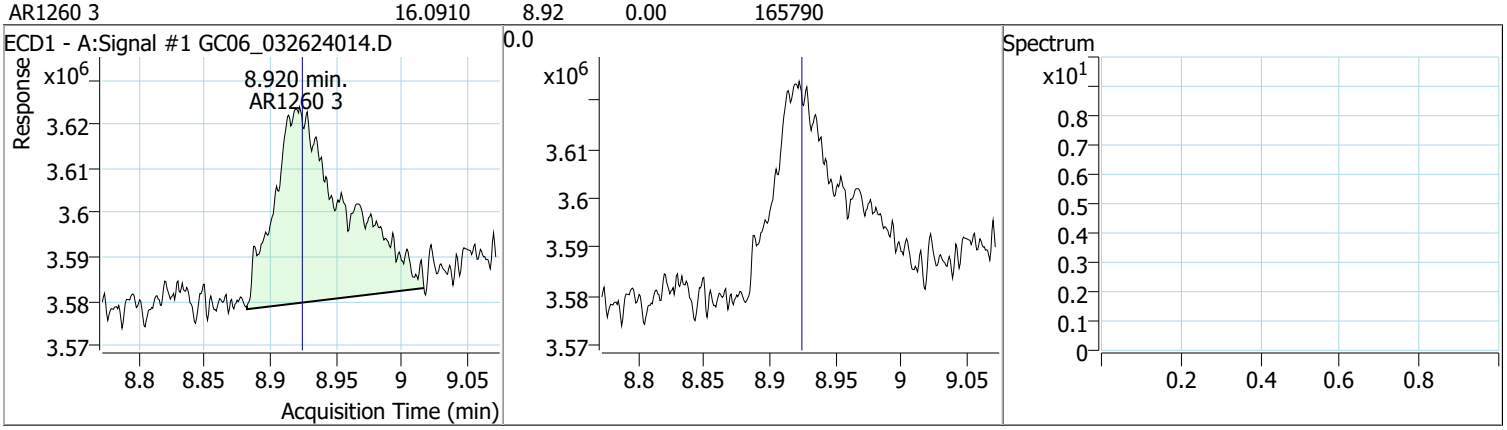
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	15.5843	7.86	0.01	99587				



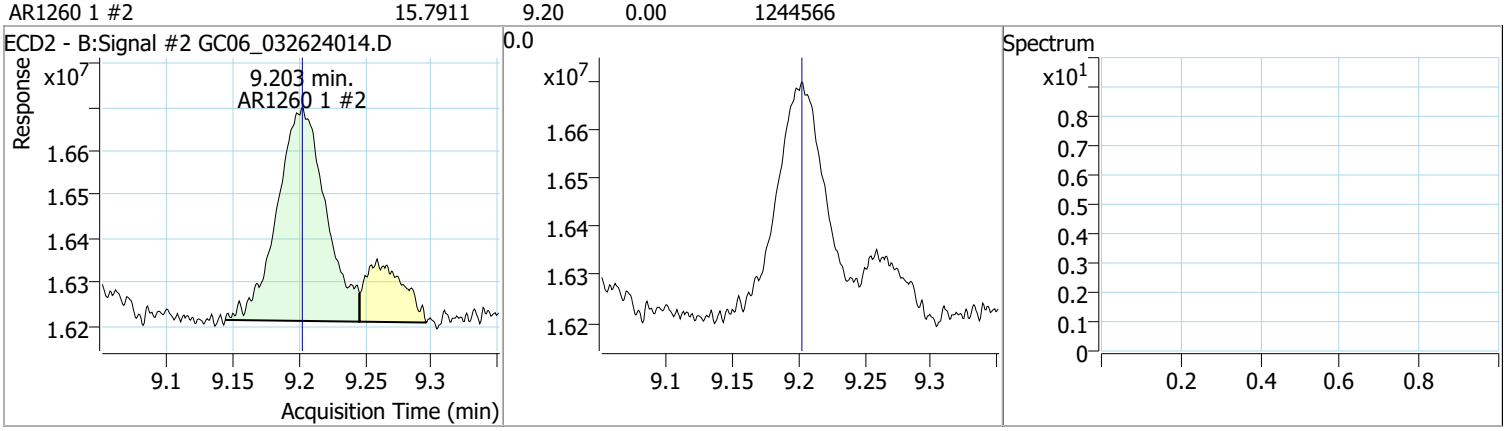
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	15.0723	8.37	0.01	147344				



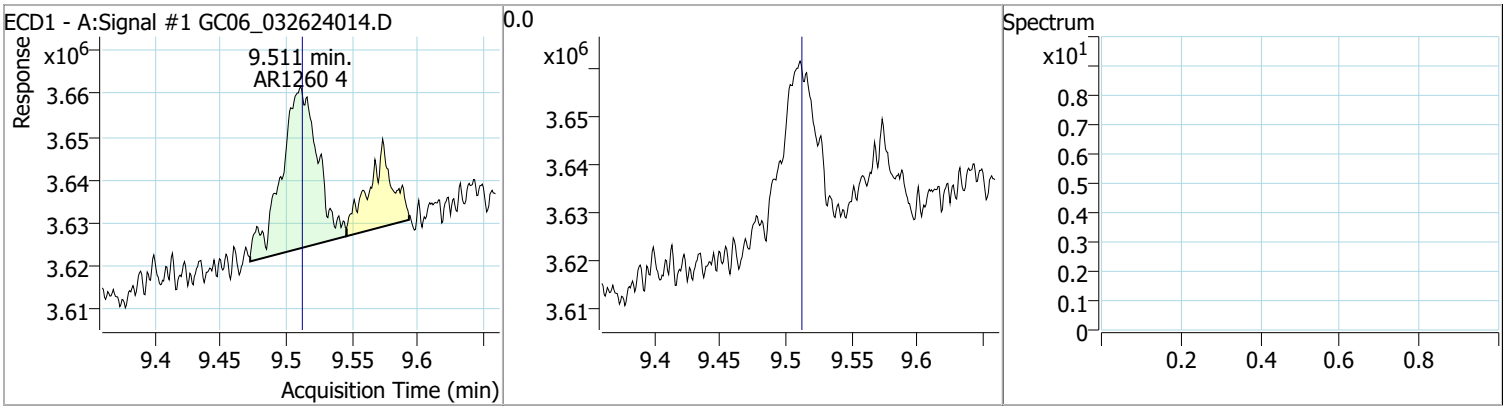
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	16.0910	8.92	0.00	165790				



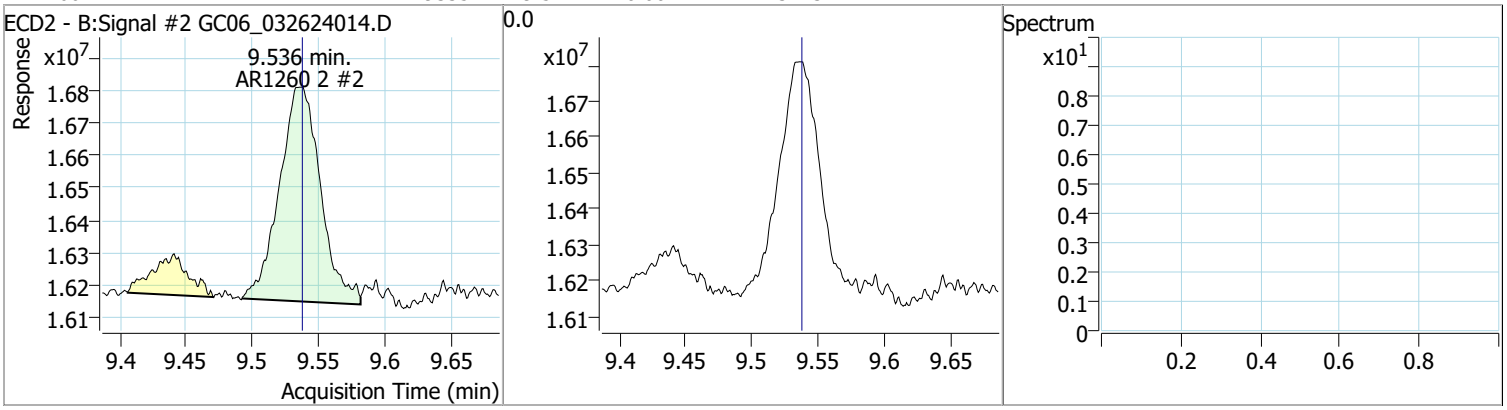
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	15.7911	9.20	0.00	1244566				



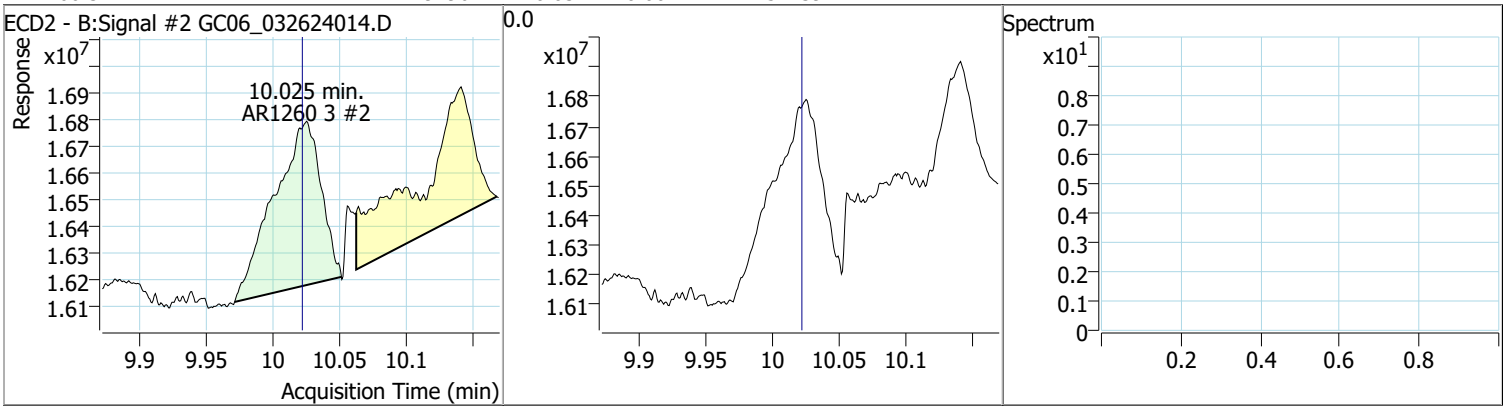
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	12.2051	9.51	0.00	72338				



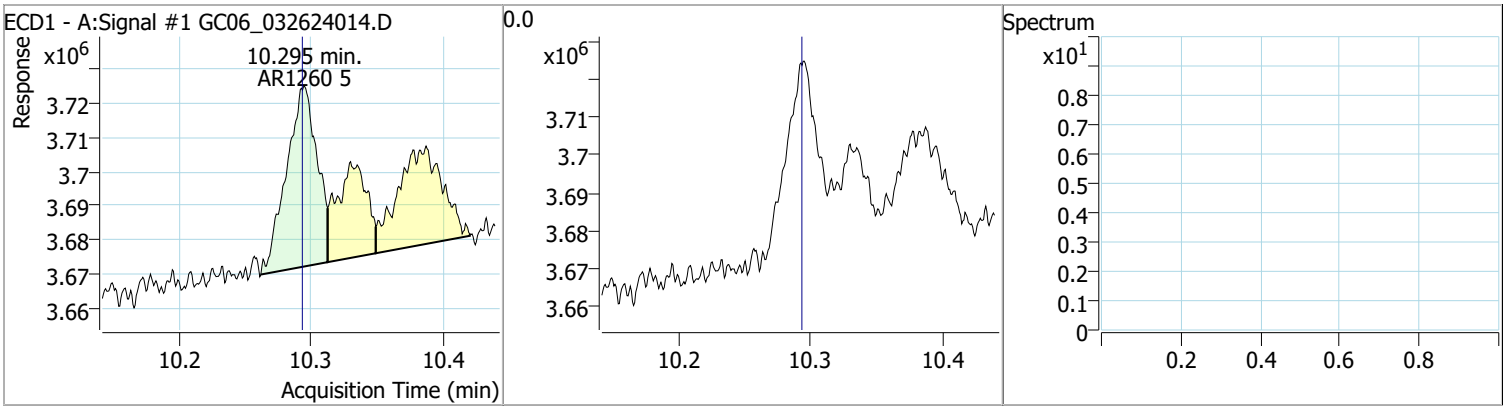
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	14.9335	9.54	0.00	1431731				



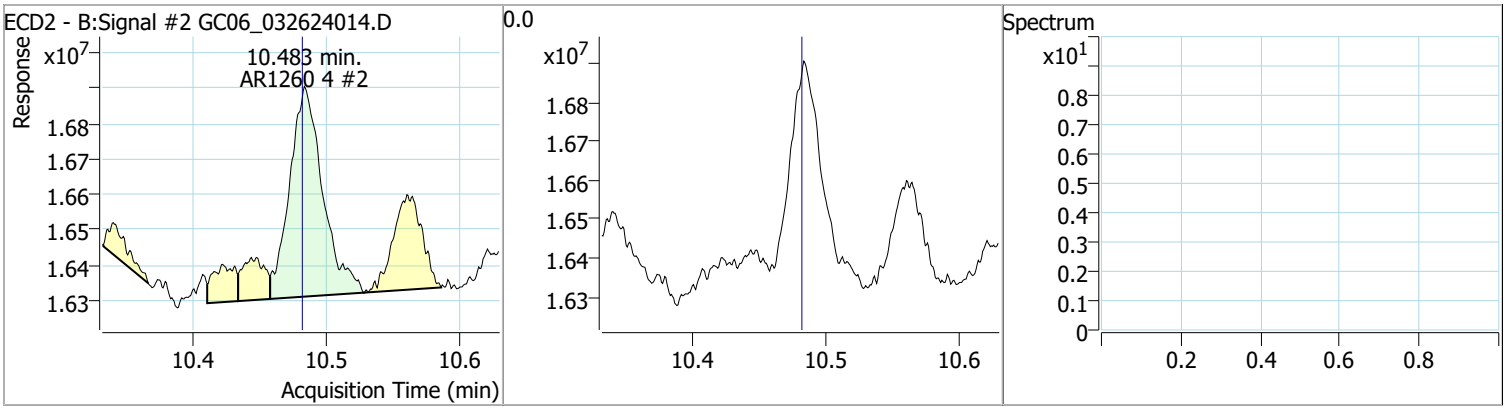
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	12.9196	10.03	0.00	1527397				



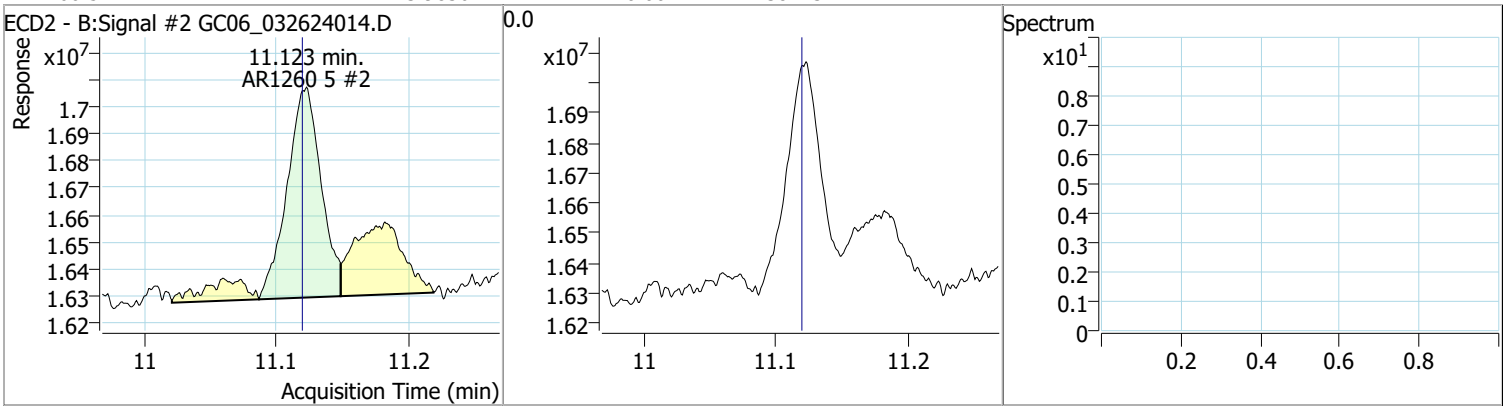
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	13.0103	10.30	0.01	86094				



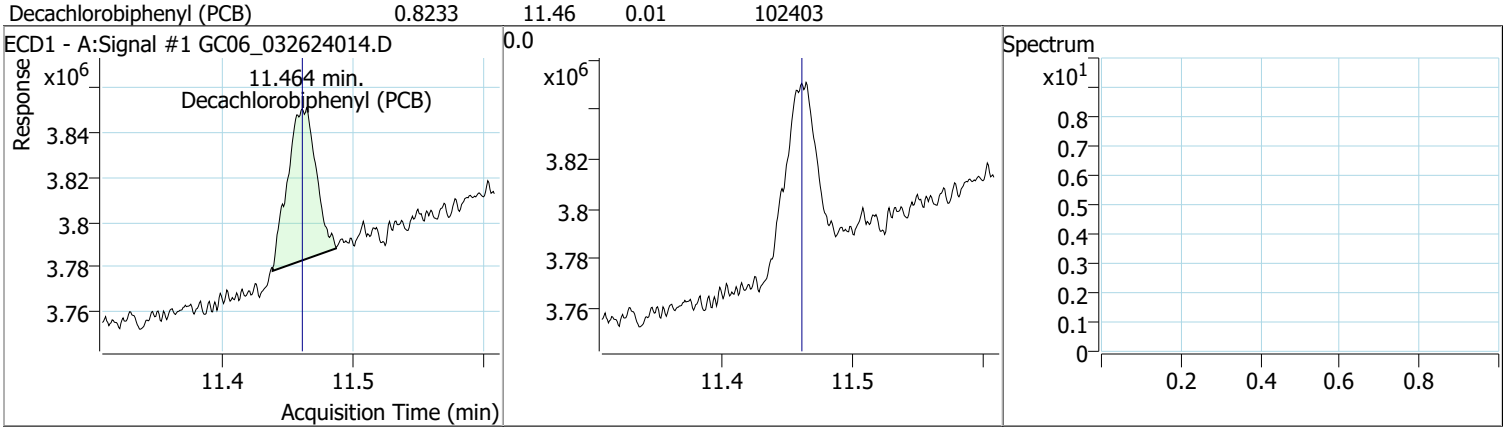
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	14.0200	10.48	0.00	1030690				



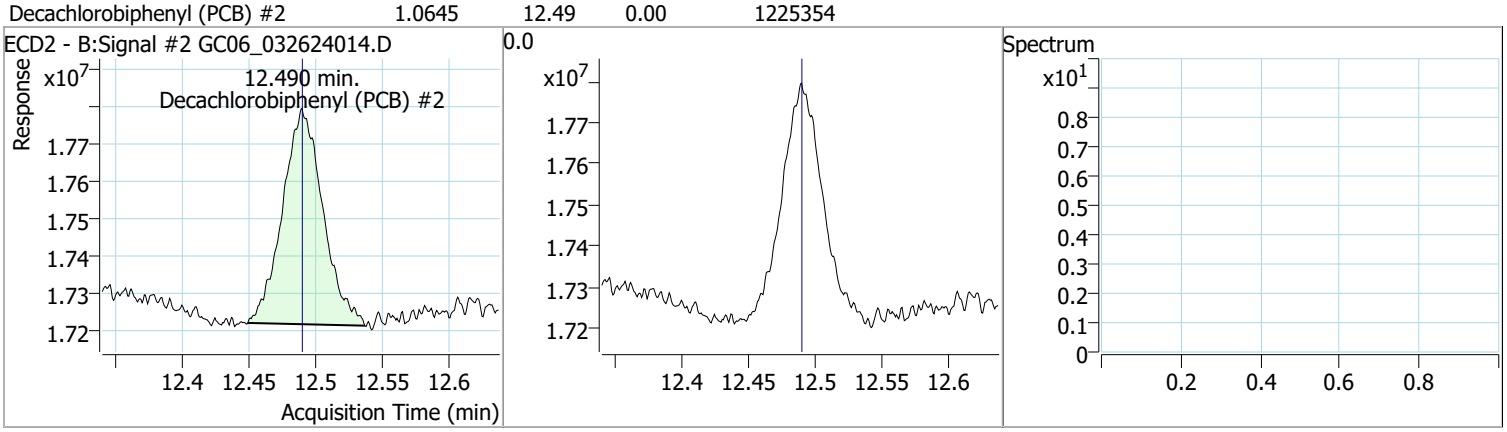
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	13.9836	11.12	0.00	1384231				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	0.8233	11.46	0.01	102403				

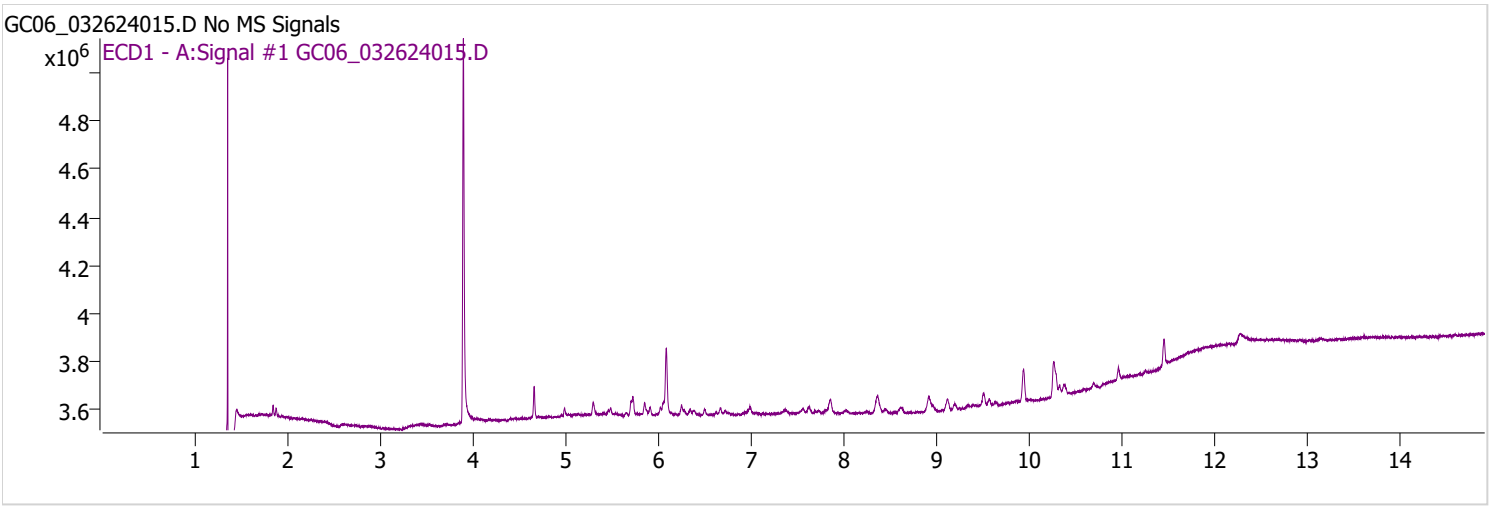


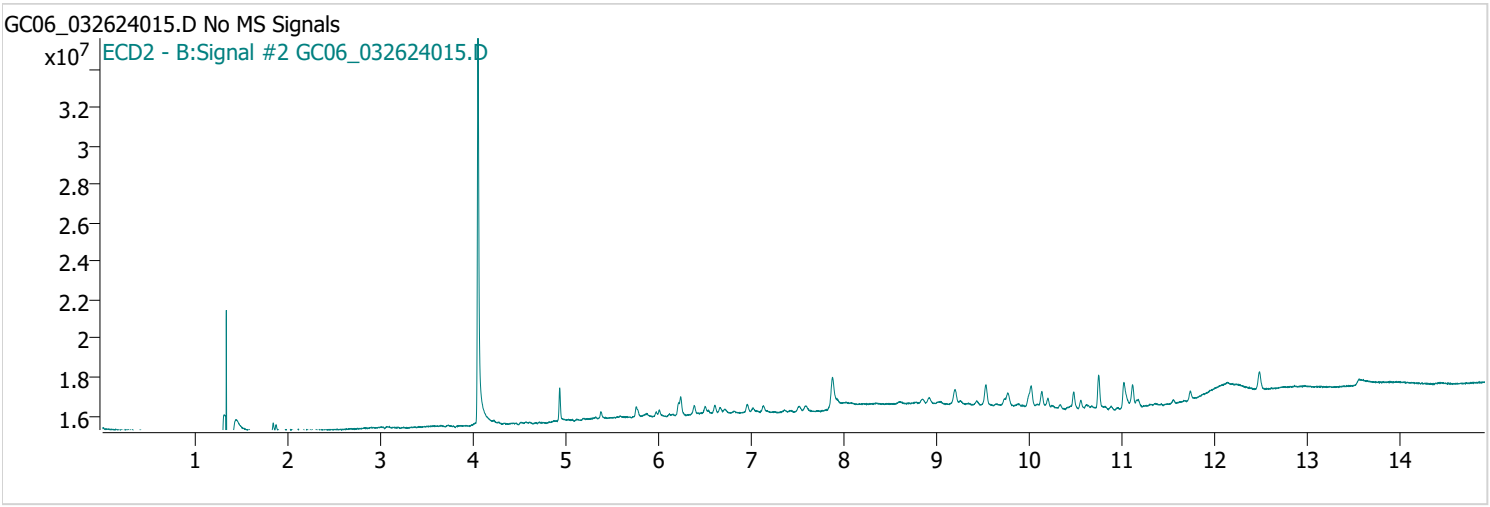
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.0645	12.49	0.00	1225354				



Quantitation Results Report (Not Reviewed)

Data File	GC06_032624015.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	3/26/2024 2:19:20 PM
Sample Name	ICAL, S20227	Instrument	SVOA-GC06
Vial	11	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_1.m	Comment	20 ppb PCB ICAL 2
Tune File	ATUNE.U	Tune Date	
Batch Name	032624_PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



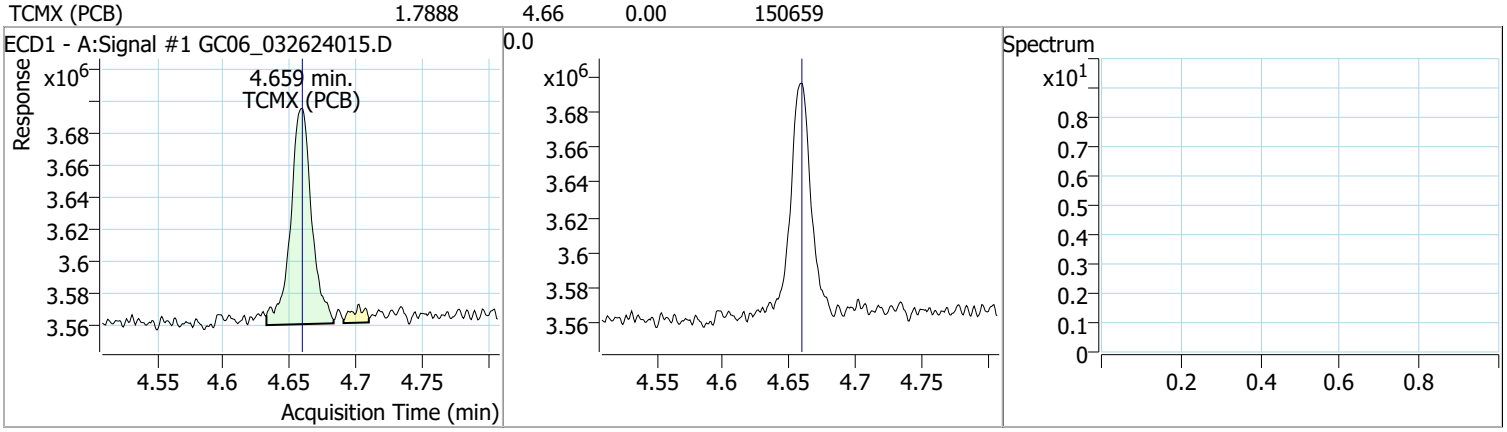


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.895	0.0	1870771.640	20.0000	ng/ml		0.002
M 1-bromo-2-nitrobenzene (PCB) #2	4.053	0.0	25290192.357	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.659	0.0	150658.657	1.7888	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.94%		*	
S TCMX (PCB) #2	4.935	0.0	1852601.800	1.6893	ng/ml	m	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.45%		*	
S Decachlorobiphenyl (PCB)	11.459	0.0	187957.377	1.6877	ng/ml	m	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 8.44%		*	
S Decachlorobiphenyl (PCB) #2	12.490	0.0	1878707.320	1.8172	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 9.09%		*	
Target Compounds							**QValue**
T AR1016 1	4.988	0.0	49300.554	24.5148	ng/ml		100

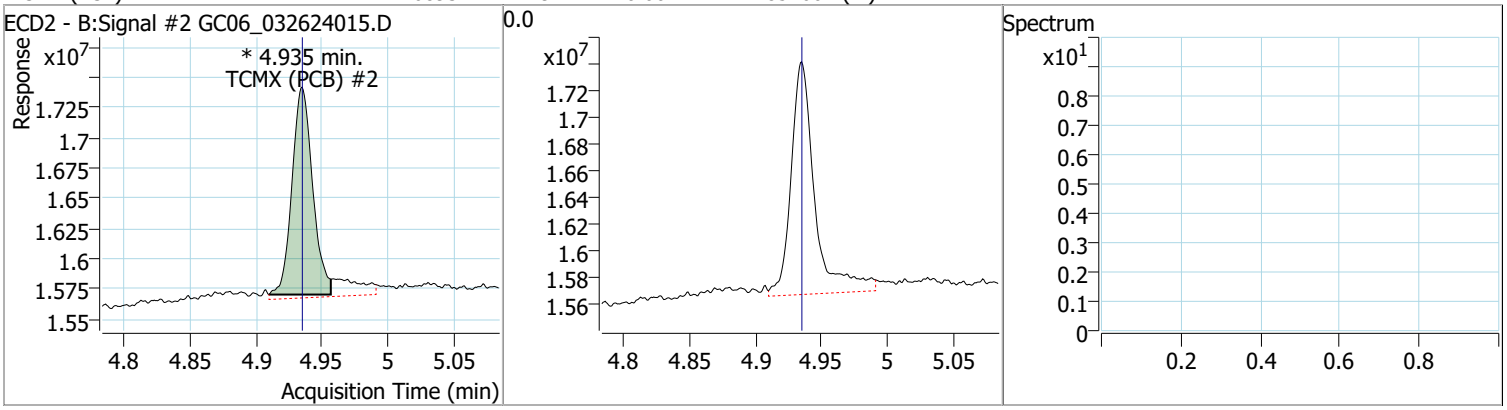
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.297	0.0	92820.133	23.9745	ng/ml		100
T AR1016 1 #2	5.379	0.0	502906.593	21.5197	ng/ml		100
T AR1016 3	5.723	0.0	109543.629	23.0666	ng/ml	m	100
T AR1016 2 #2	5.762	0.0	1145383.578	24.4987	ng/ml		100
T AR1016 4	5.853	0.0	90883.887	27.1060	ng/ml		100
T AR1016 3 #2	6.240	0.0	1457925.325	22.5141	ng/ml	m	100
T AR1016 5	6.250	0.0	59791.729	21.2850	ng/ml	m	100
T AR1016 4 #2	6.386	0.0	778329.992	18.1832	ng/ml		100
T AR1016 5 #2	6.958	0.0	806862.932	22.5181	ng/ml		100
T AR1260 1	7.860	0.0	143075.410	25.0068	ng/ml		100
T AR1260 2	8.368	0.0	223929.556	25.5837	ng/ml		100
T AR1260 3	8.920	0.0	232094.978	25.1591	ng/ml	m	100
T AR1260 1 #2	9.204	0.0	1831455.403	25.8732	ng/ml		100
T AR1260 4	9.508	0.0	113249.915	21.3411	ng/ml		100
T AR1260 2 #2	9.537	0.0	2247621.702	26.1026	ng/ml		100
T AR1260 3 #2	10.026	0.0	2738401.567	25.7902	ng/ml		100
T AR1260 5	10.271	0.0	368982.345	62.2769	ng/ml		100
T AR1260 4 #2	10.485	0.0	1453858.225	22.0193	ng/ml	m	100
T AR1260 5 #2	11.118	0.0	2430896.311	27.3424	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

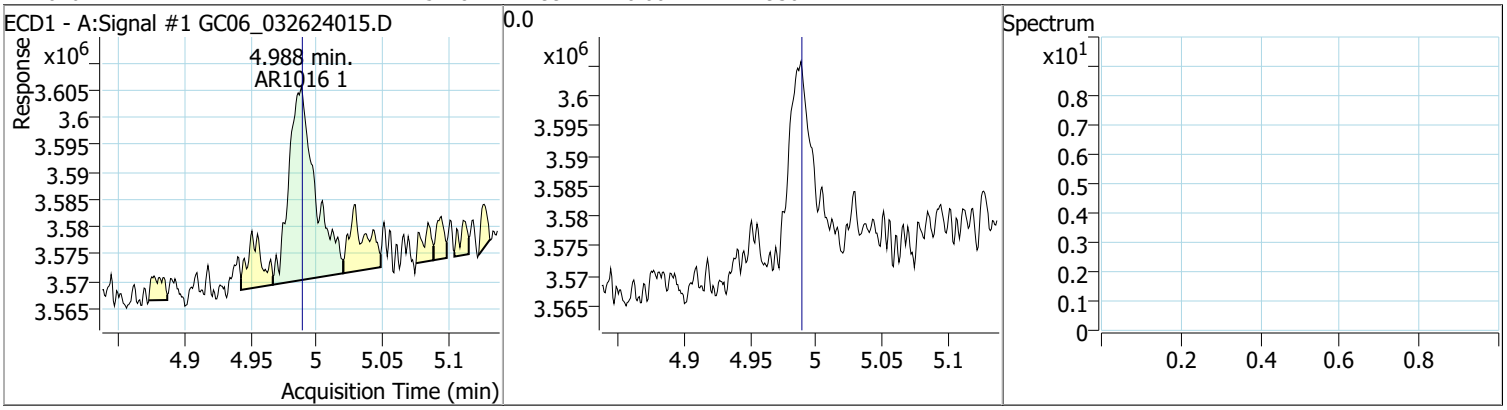
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	1.7888	4.66	0.00	150659				



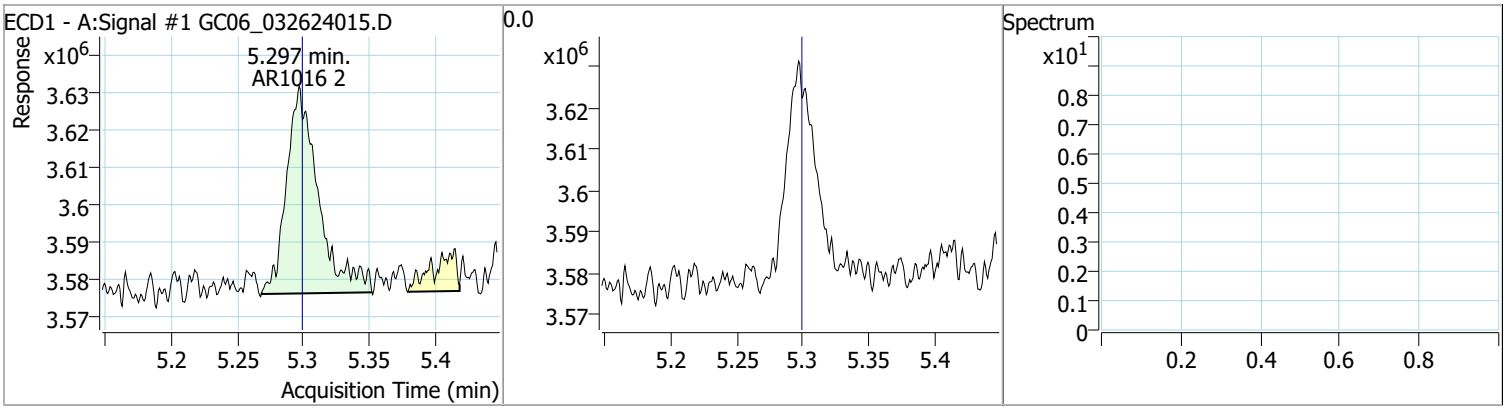
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	1.6893	4.94	0.00	1852602 (m)				



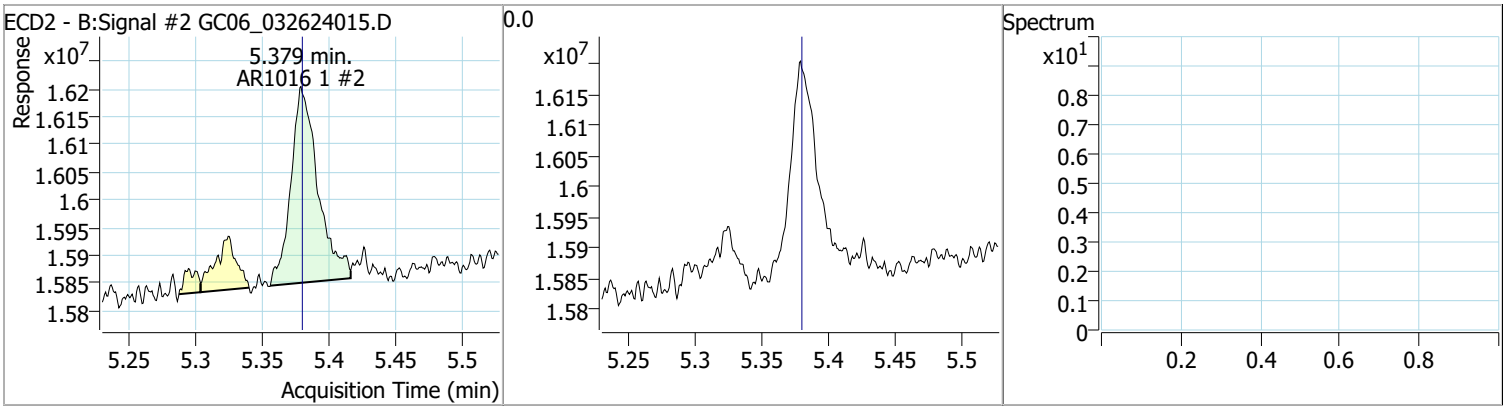
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	24.5148	4.99	0.00	49301				



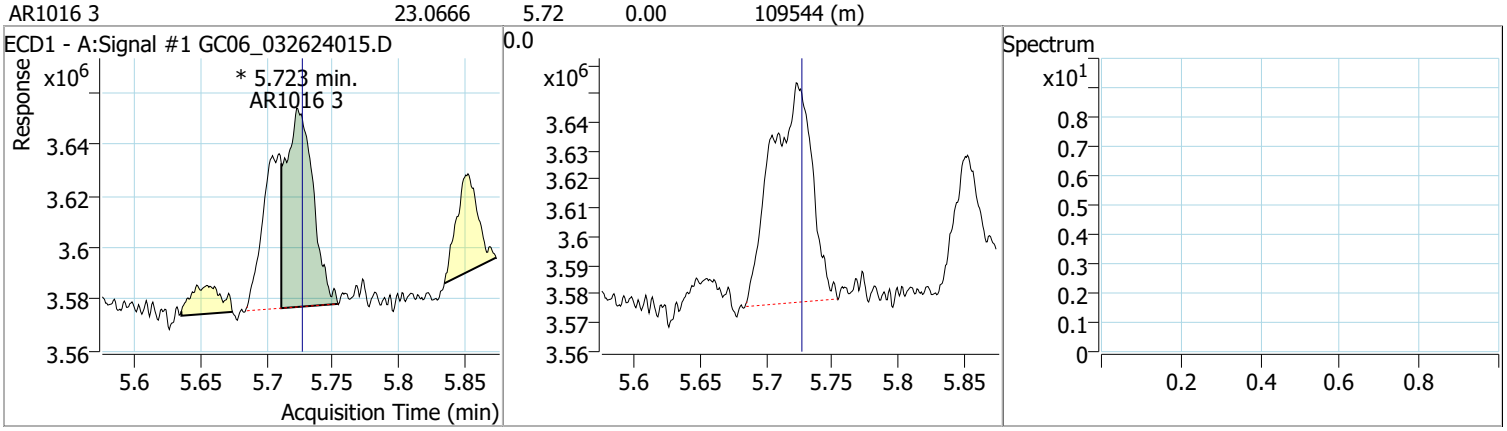
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	23.9745	5.30	0.00	92820				



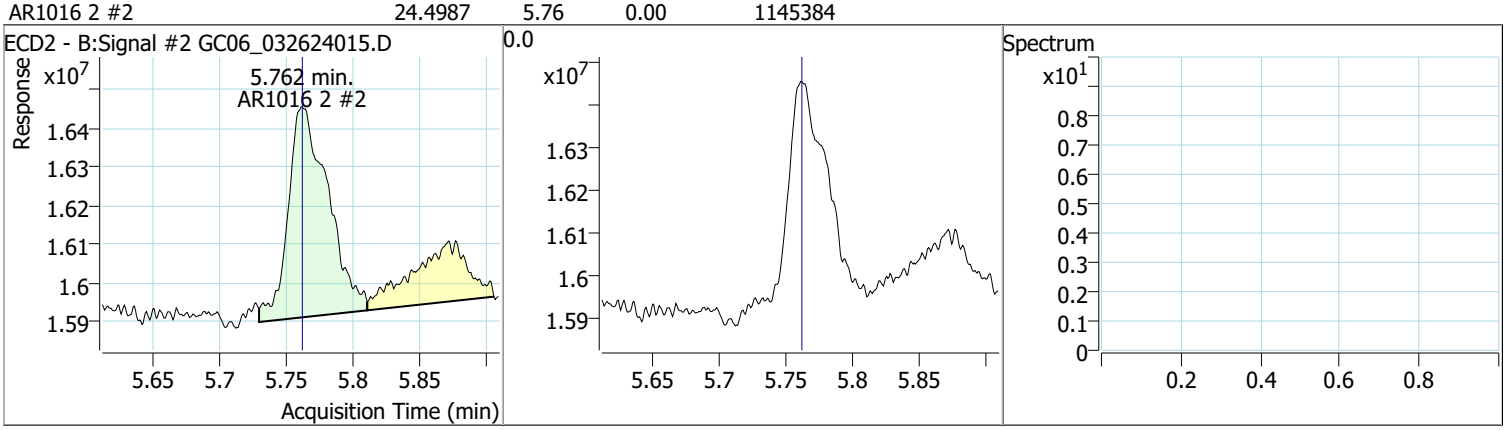
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	21.5197	5.38	0.00	502907				



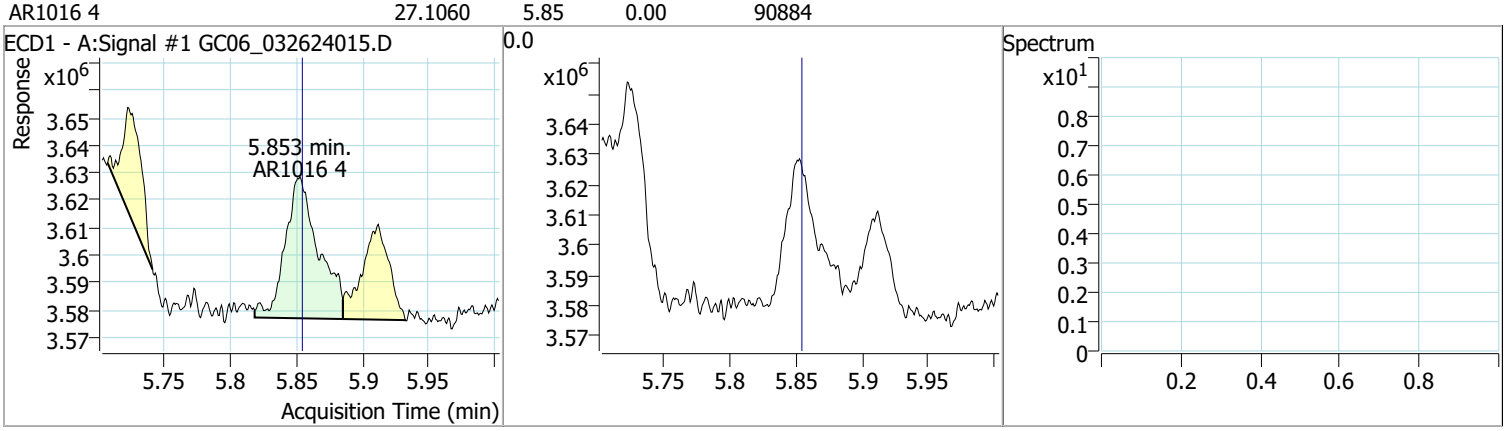
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	23.0666	5.72	0.00	109544 (m)				



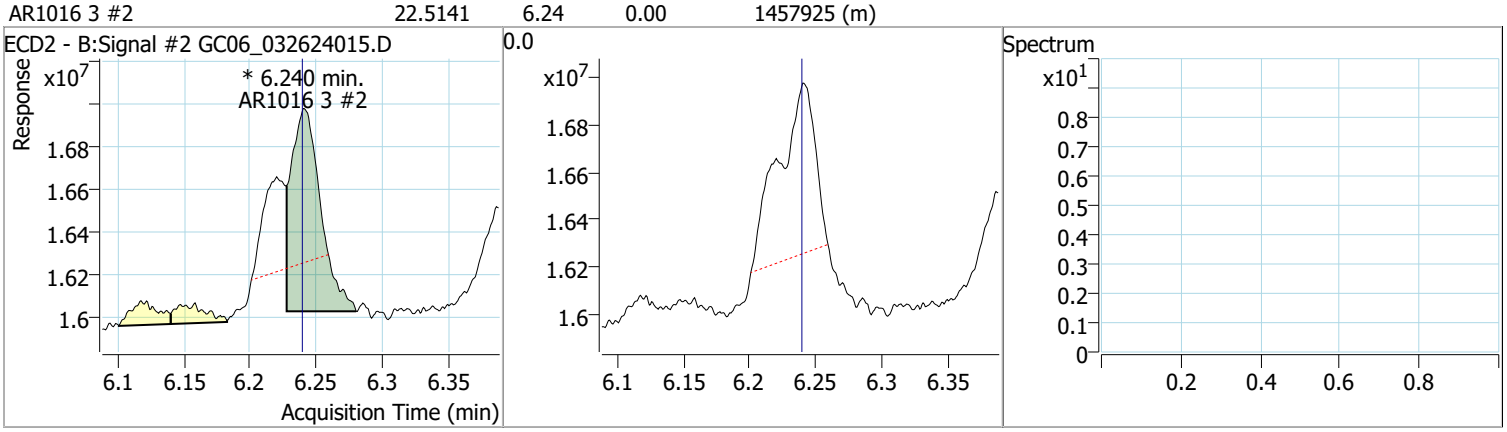
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	24.4987	5.76	0.00	1145384				



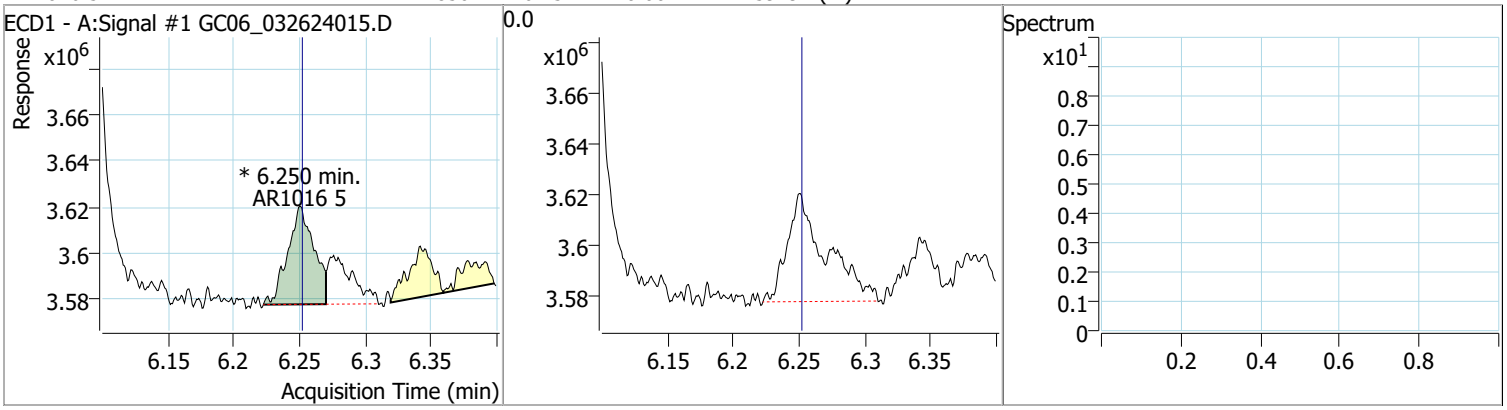
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	27.1060	5.85	0.00	90884				



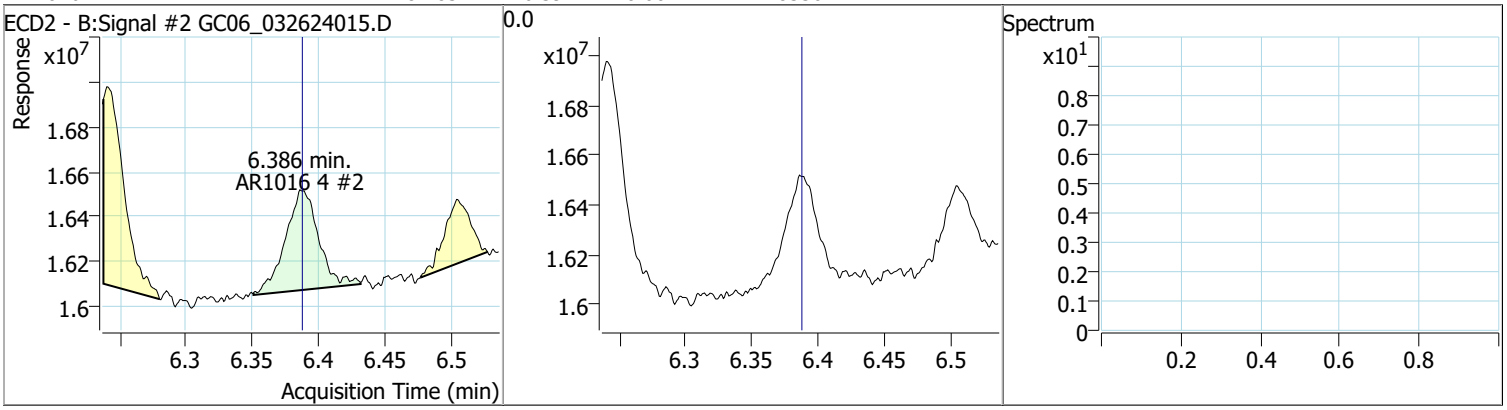
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	22.5141	6.24	0.00	1457925 (m)				



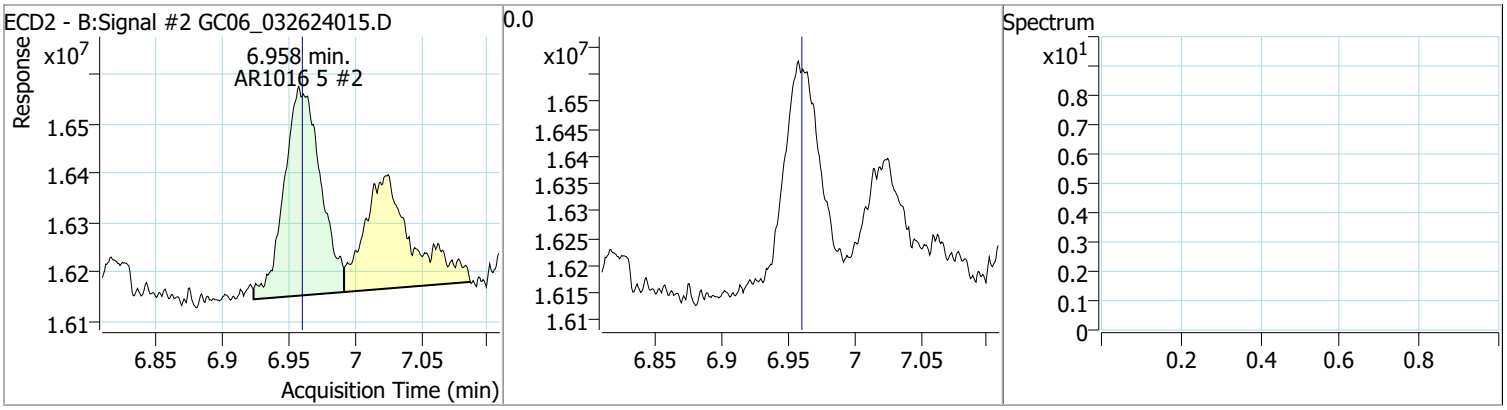
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	21.2850	6.25	0.00	59792 (m)				



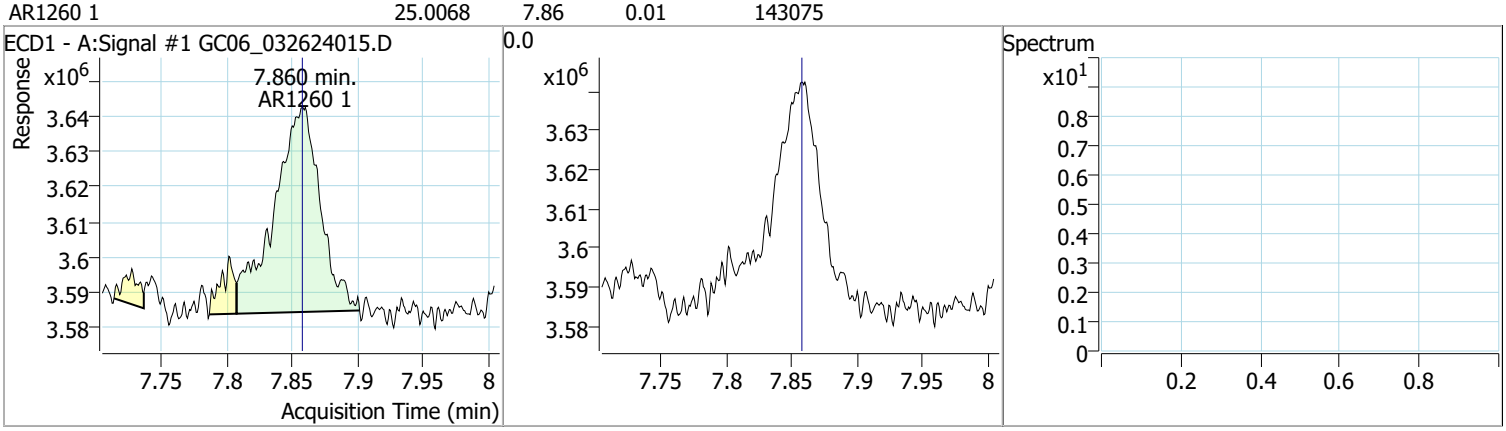
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	18.1832	6.39	0.00	778330				



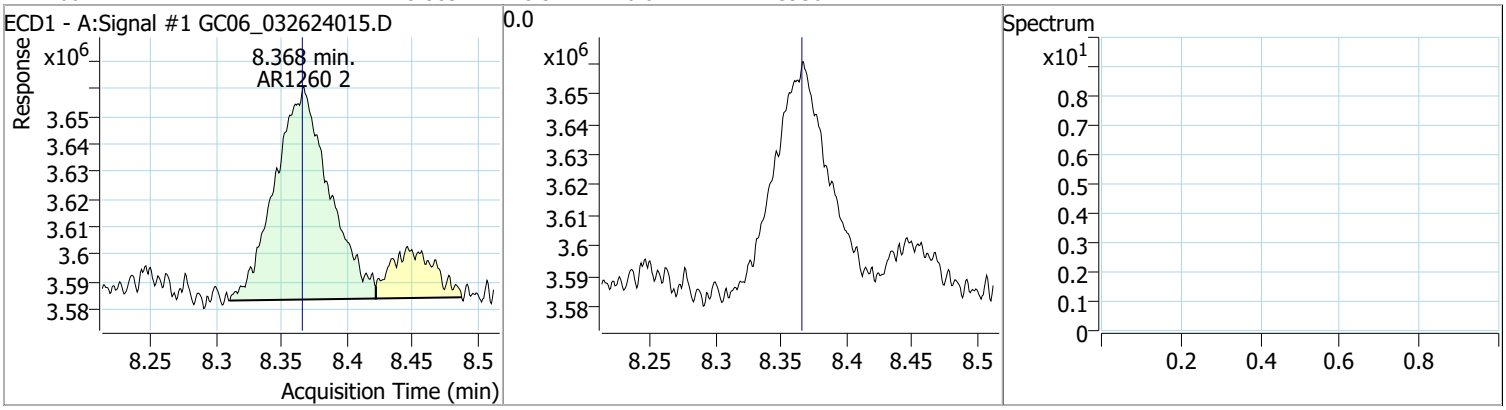
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	22.5181	6.96	0.00	806863				



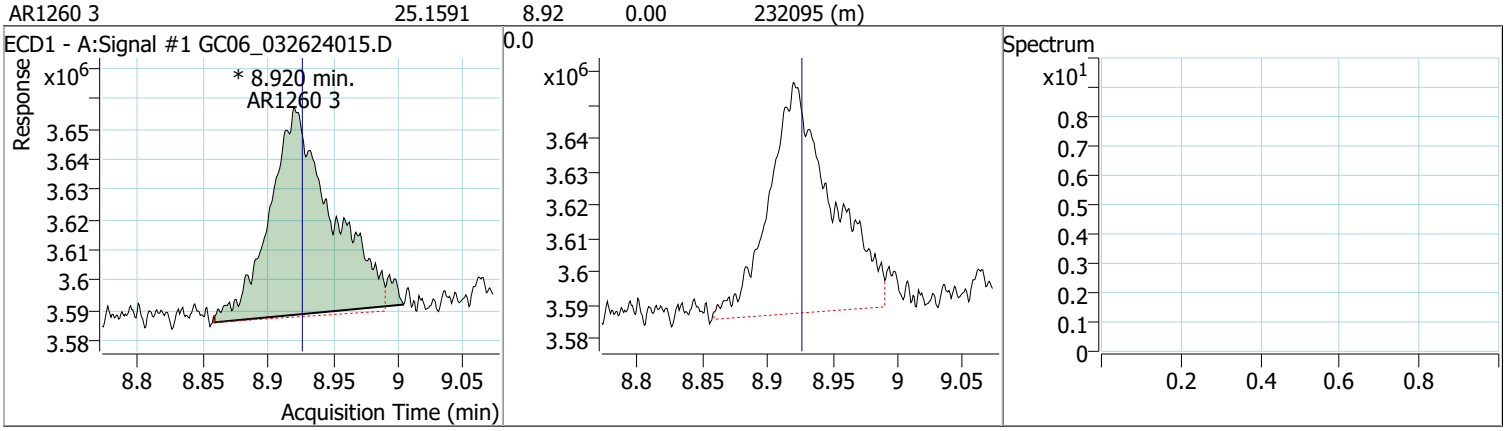
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	25.0068	7.86	0.01	143075				



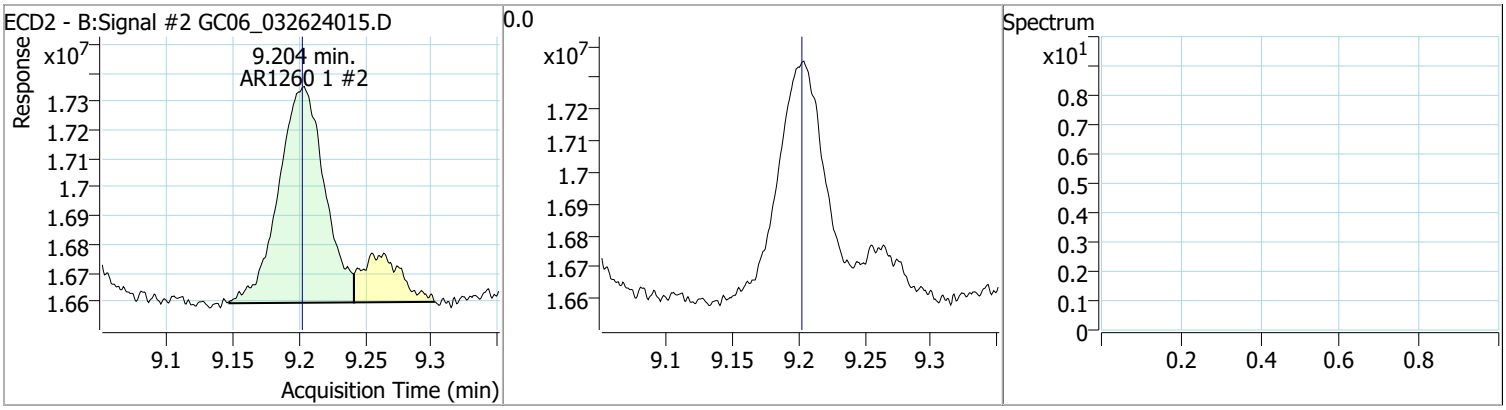
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	25.5837	8.37	0.01	223930				



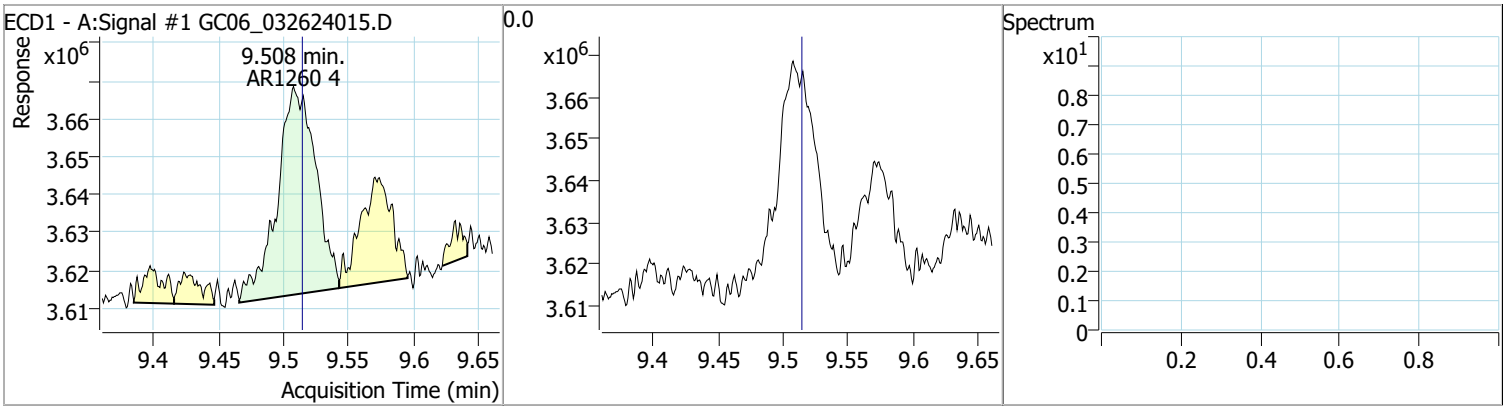
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	25.1591	8.92	0.00	232095 (m)				



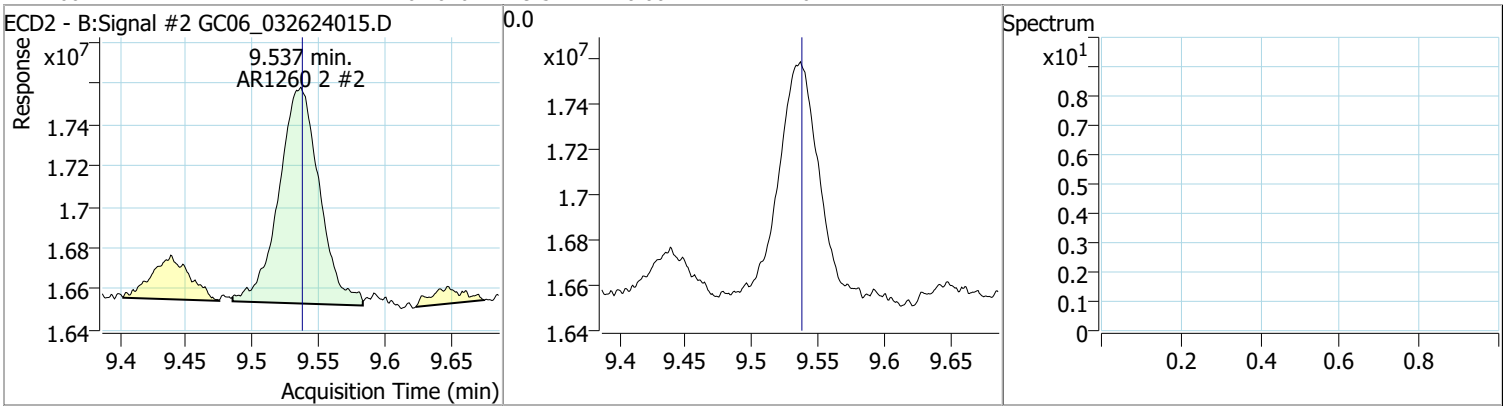
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	25.8732	9.20	0.00	1831455				



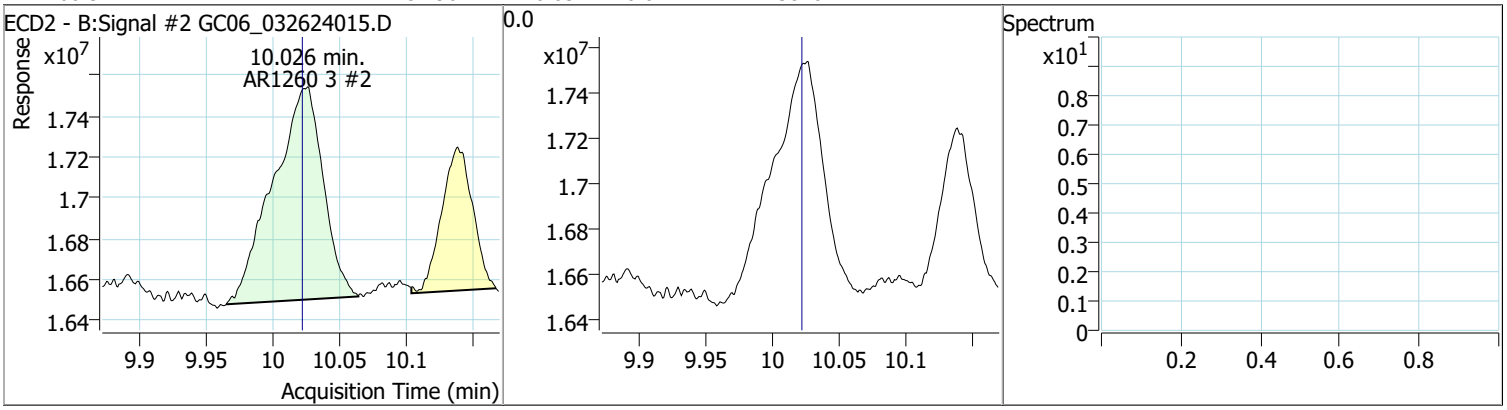
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	21.3411	9.51	0.00	113250				



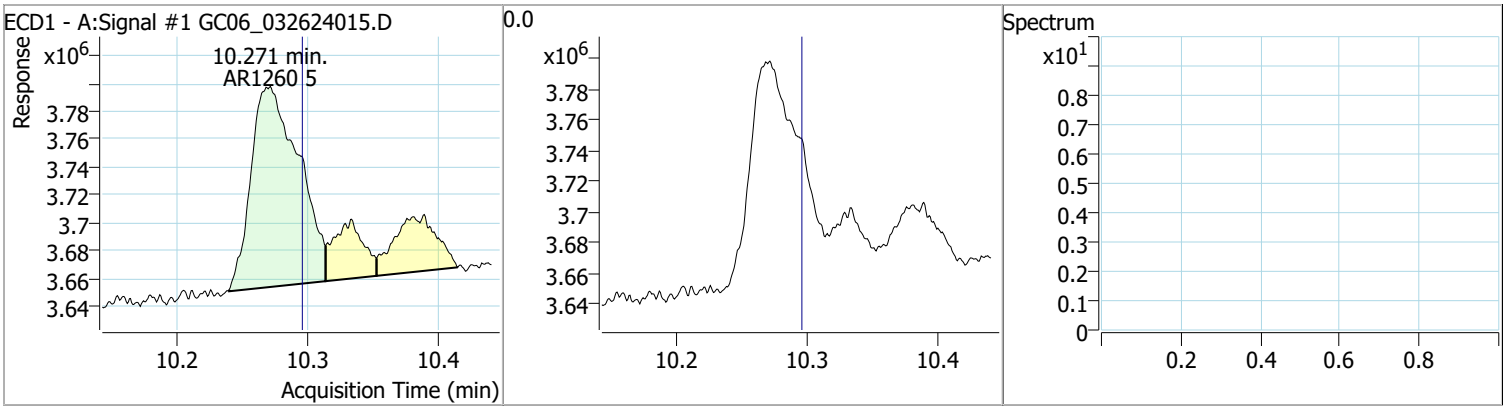
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	26.1026	9.54	0.00	2247622				



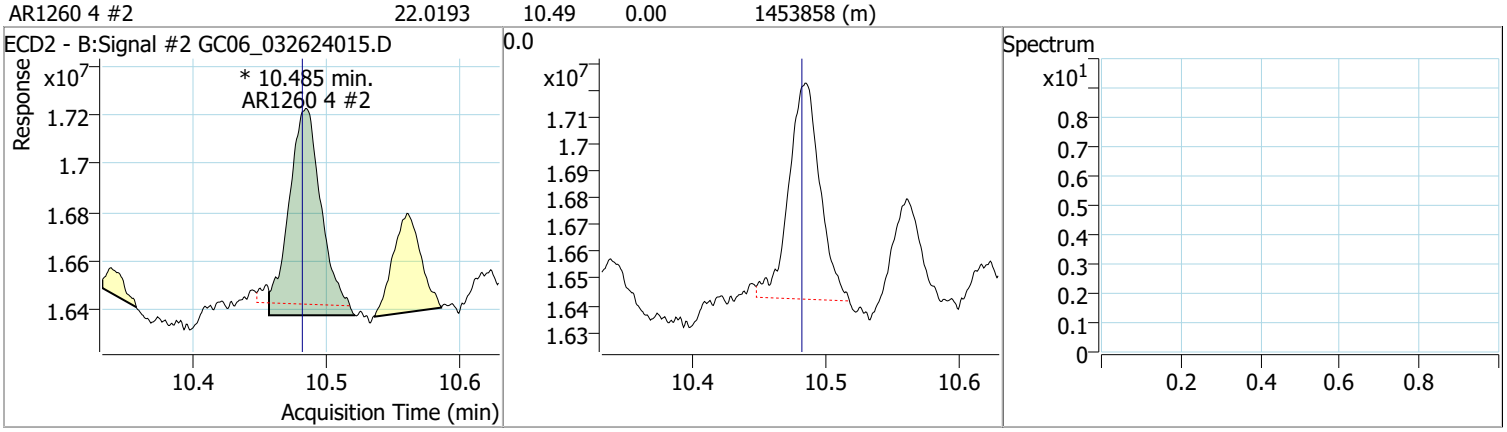
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	25.7902	10.03	0.01	2738402				



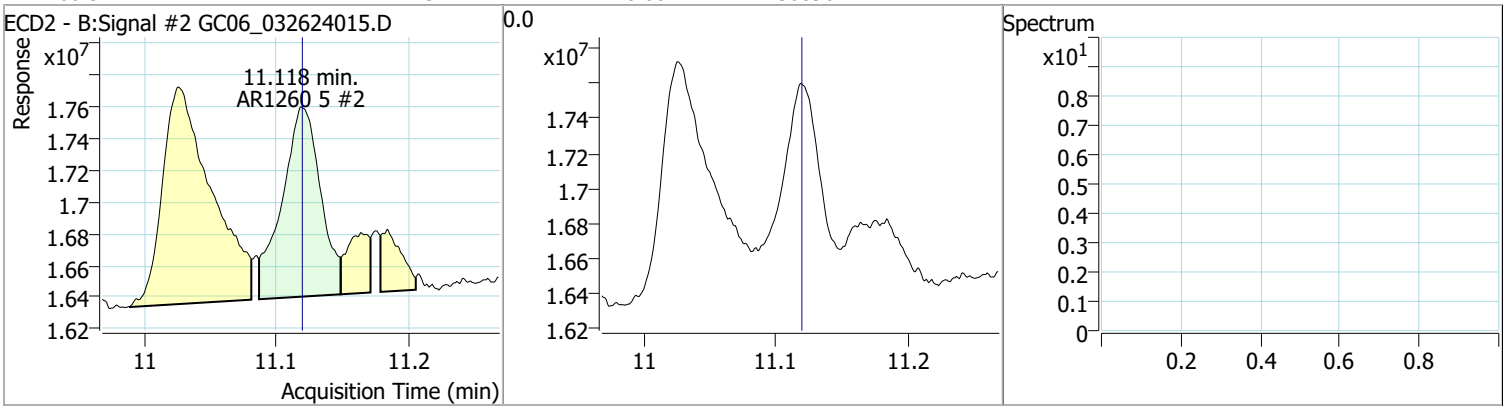
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	62.2769	10.27	-0.02	368982				



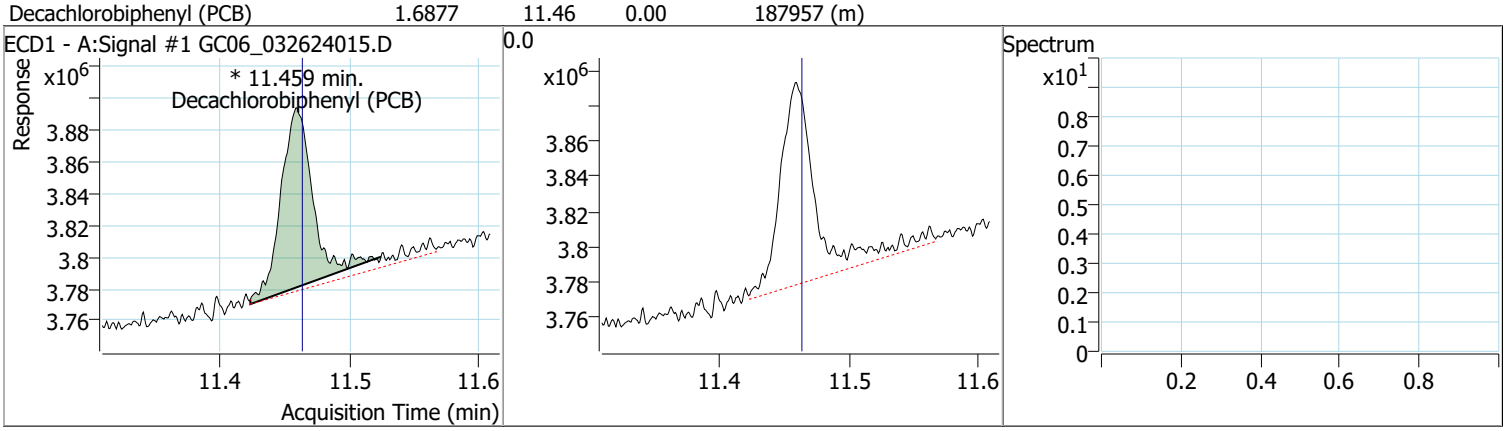
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	22.0193	10.49	0.00	1453858 (m)				



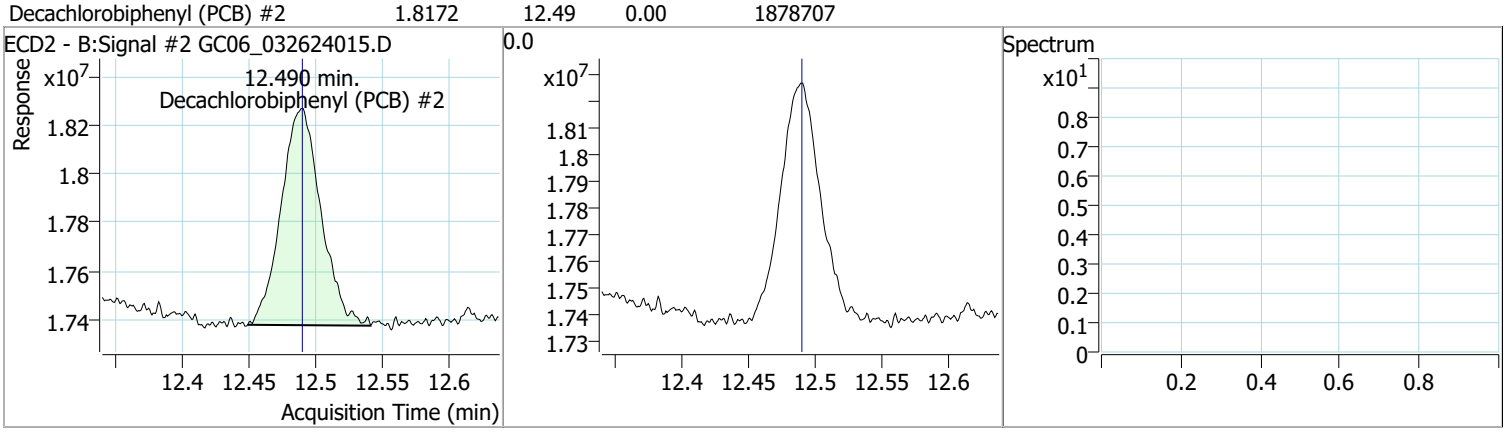
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	27.3424	11.12	0.00	2430896				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	1.6877	11.46	0.00	187957 (m)				

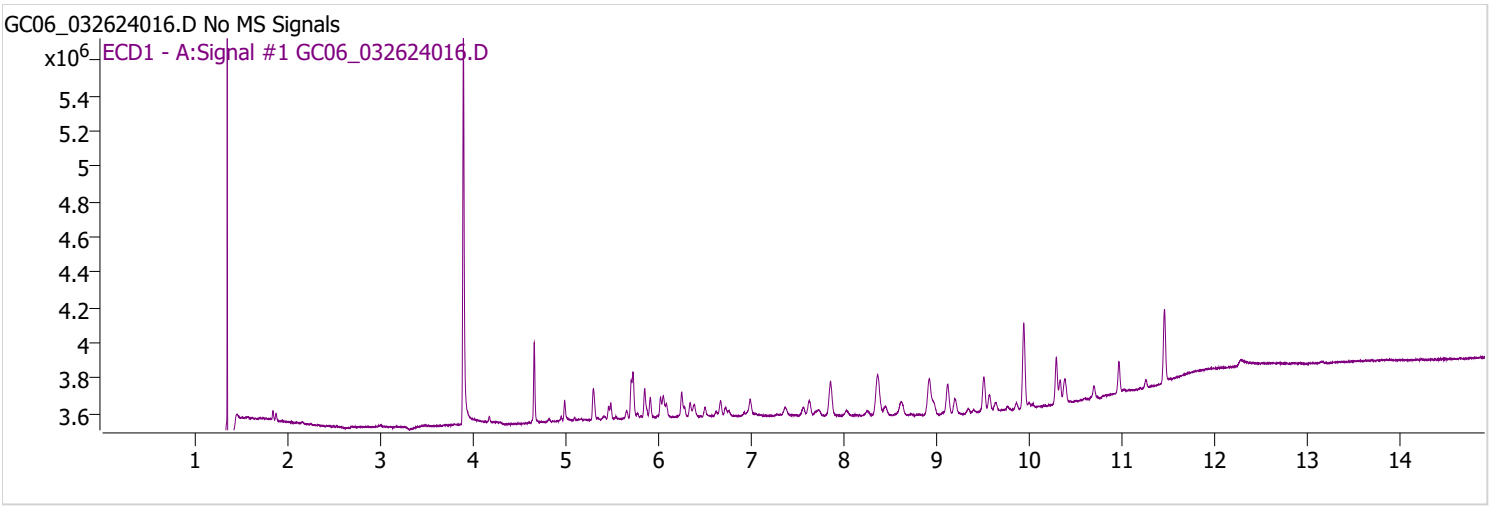


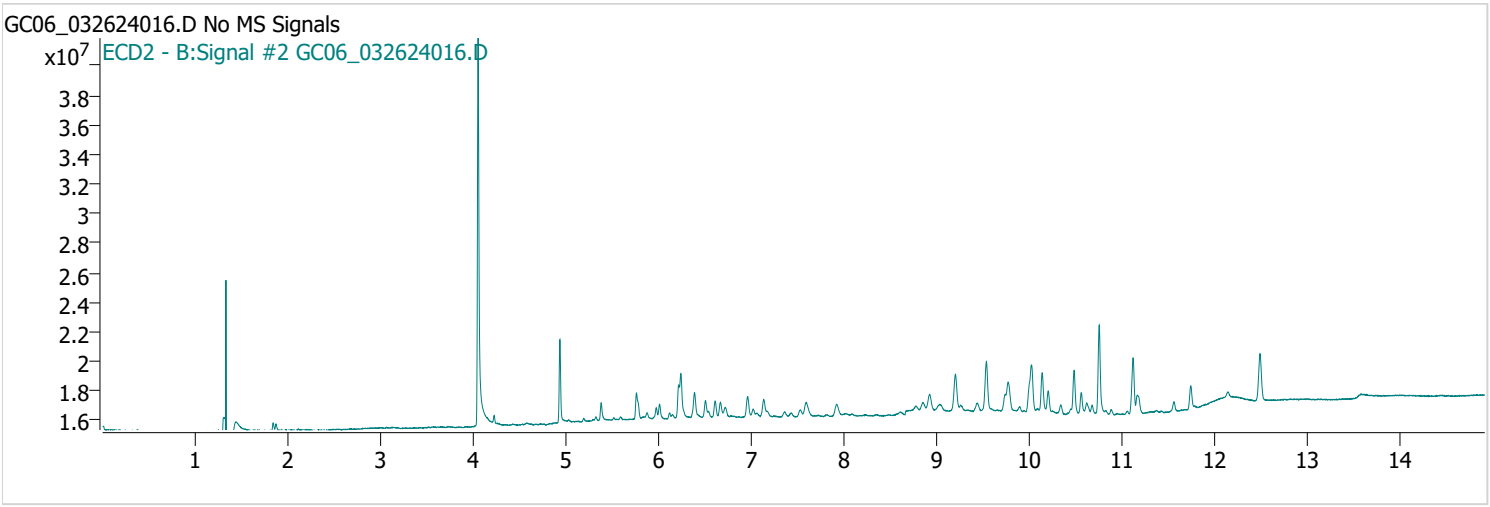
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	1.8172	12.49	0.00	1878707				



Quantitation Results Report (Not Reviewed)

Data File	GC06_032624016.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	3/26/2024 2:38:56 PM
Sample Name	ICAL, S20228	Instrument	SVOA-GC06
Vial	12	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_1.m	Comment	50 ppb PCB ICAL 3
Tune File	ATUNE.U	Tune Date	
Batch Name	032624_PCB.batch.bin	Last Calib Update	3/27/2024 10:44:12 AM
Ref Library			



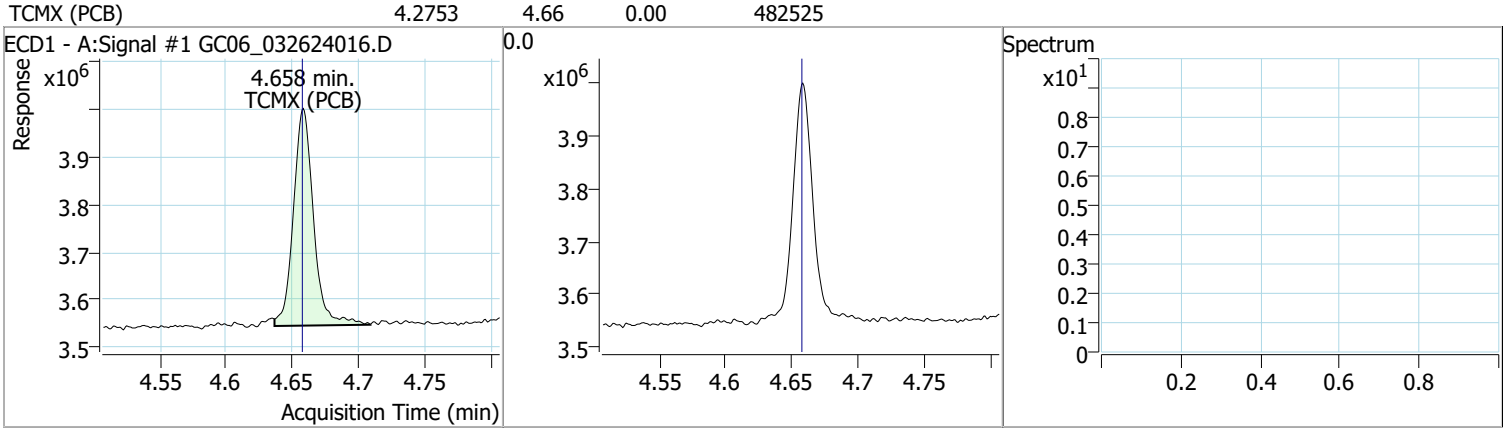


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.893	0.0	2506887.129	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.053	0.0	32342805.939	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.658	0.0	482525.319	4.2753	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 21.38%		*	
S TCMX (PCB) #2	4.935	0.0	6630185.386	4.7275	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.64%		*	
S Decachlorobiphenyl (PCB)	11.458	0.0	700308.097	4.6926	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 23.46%		*	
S Decachlorobiphenyl (PCB) #2	12.489	0.0	6808911.946	5.1498	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 25.75%		*	
Target Compounds							QValue
T AR1016 1	4.987	0.0	155063.902	57.5405	ng/ml		100

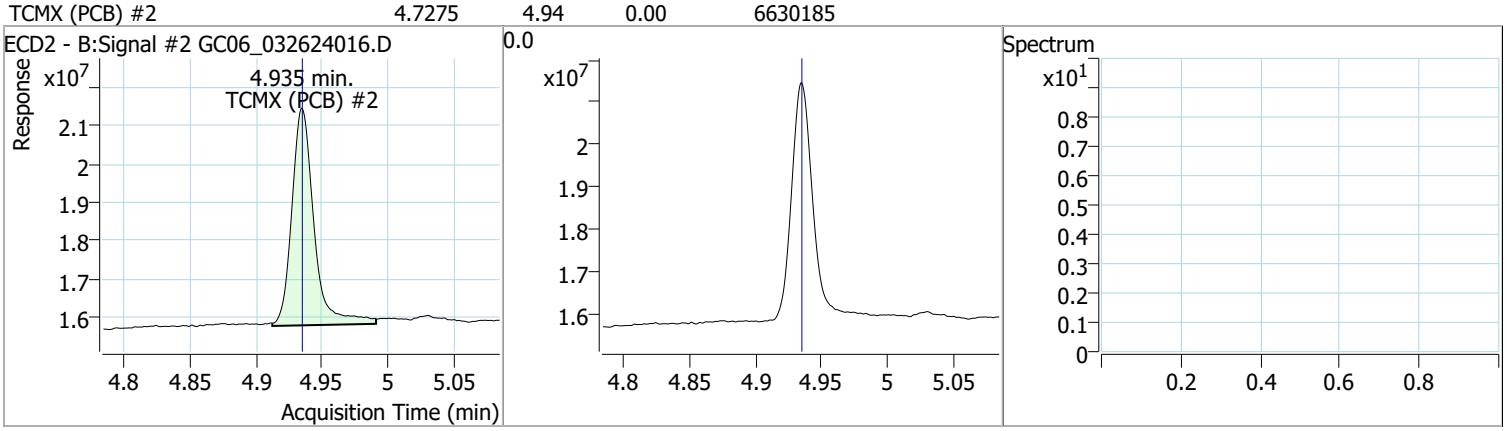
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.298	0.0	287867.386	58.1846	ng/ml		100
T AR1016 1 #2	5.380	0.0	1795425.274	60.0745	ng/ml		100
T AR1016 3	5.723	0.0	362881.293	57.0226	ng/ml	m	100
T AR1016 2 #2	5.761	0.0	3401110.652	56.8837	ng/ml		100
T AR1016 4	5.852	0.0	261751.489	58.2577	ng/ml		100
T AR1016 3 #2	6.240	0.0	5140139.900	62.0682	ng/ml	m	100
T AR1016 5	6.250	0.0	222889.053	59.2117	ng/ml		100
T AR1016 4 #2	6.388	0.0	3366318.779	61.4945	ng/ml		100
T AR1016 5 #2	6.961	0.0	2606171.215	56.8735	ng/ml		100
T AR1260 1	7.856	0.0	459590.174	59.9445	ng/ml		100
T AR1260 2	8.363	0.0	691539.505	58.9596	ng/ml		100
T AR1260 3	8.920	0.0	739284.997	59.8036	ng/ml		100
T AR1260 1 #2	9.203	0.0	5604540.629	61.9111	ng/ml		100
T AR1260 4	9.510	0.0	385031.324	54.1454	ng/ml		100
T AR1260 2 #2	9.537	0.0	7113850.817	64.6010	ng/ml		100
T AR1260 3 #2	10.023	0.0	8382052.755	61.7281	ng/ml		100
T AR1260 5	10.291	0.0	459097.105	55.8650	ng/ml		100
T AR1260 4 #2	10.483	0.0	4916972.514	58.2308	ng/ml	m	100
T AR1260 5 #2	11.119	0.0	6911670.737	60.7893	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

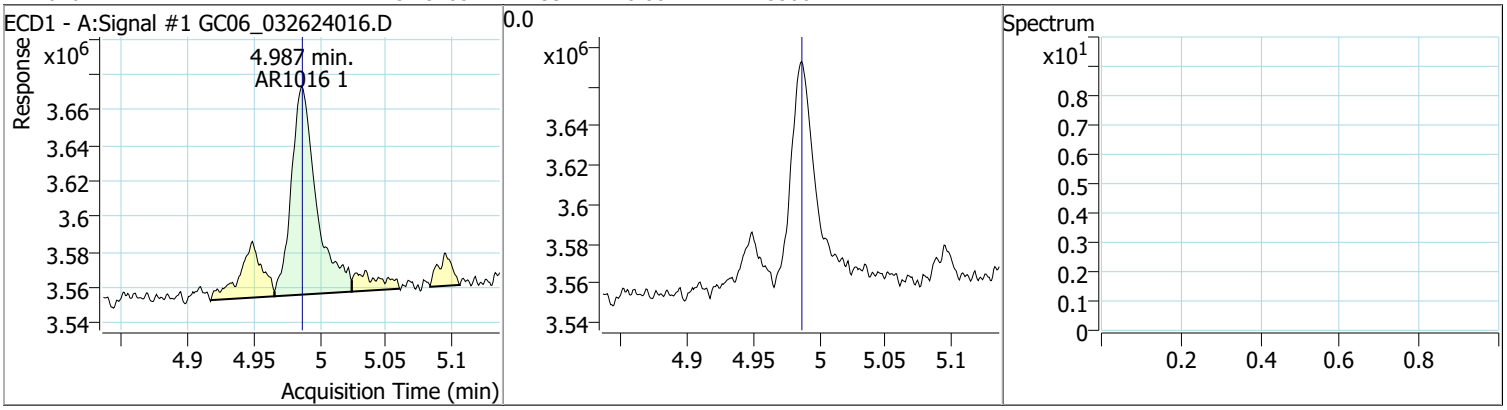
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	4.2753	4.66	0.00	482525				



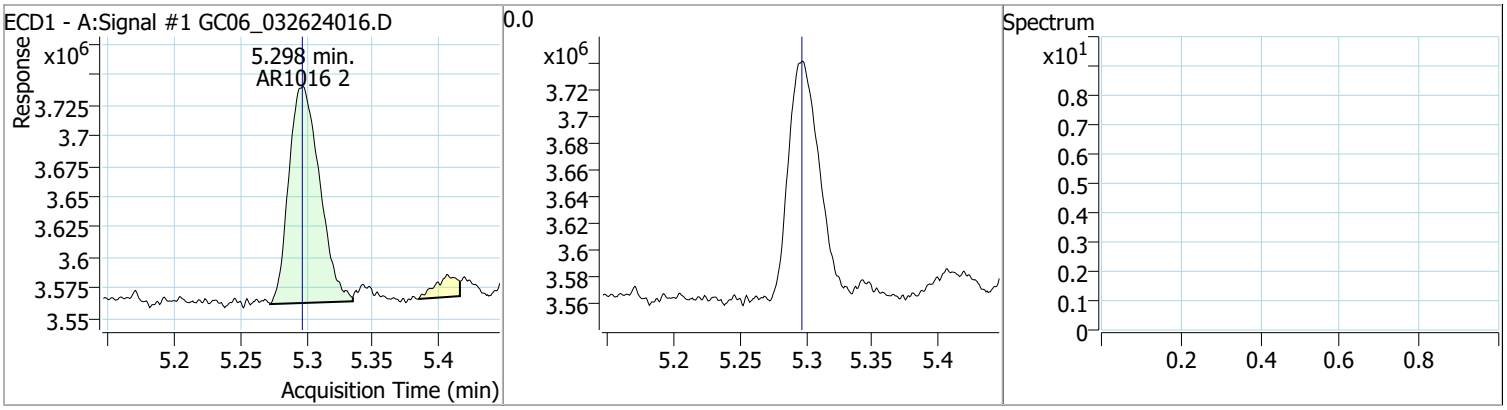
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	4.7275	4.94	0.00	6630185				



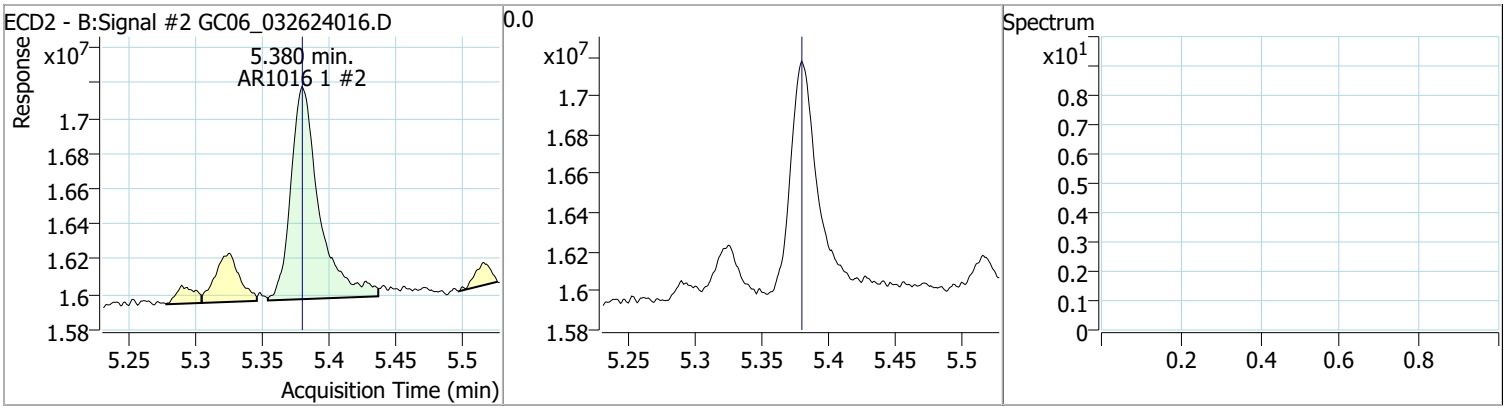
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	57.5405	4.99	0.00	155064				



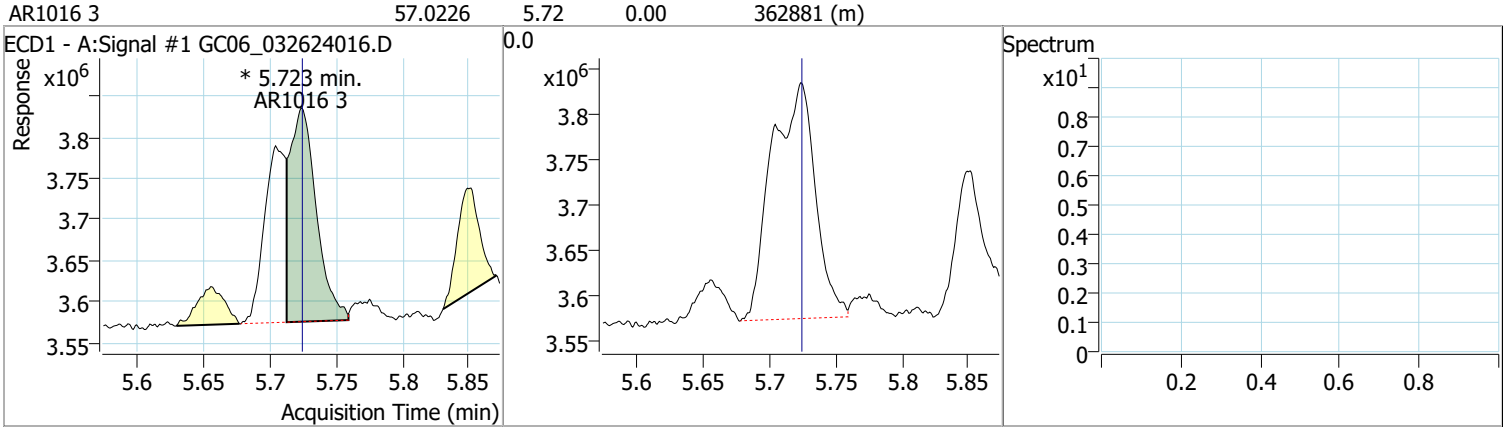
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	58.1846	5.30	0.00	287867				



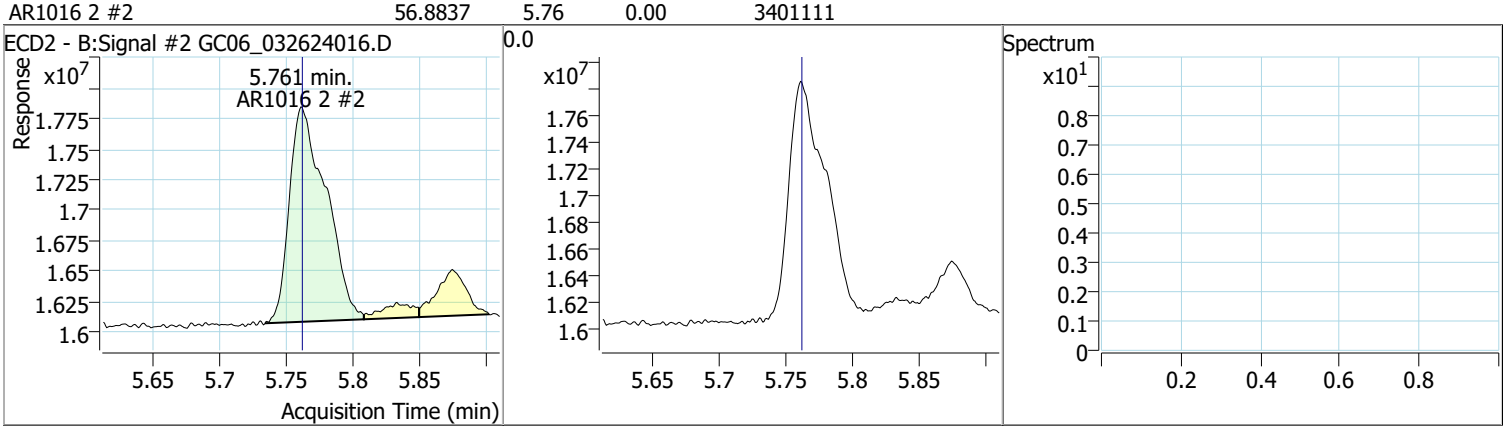
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	60.0745	5.38	0.00	1795425				



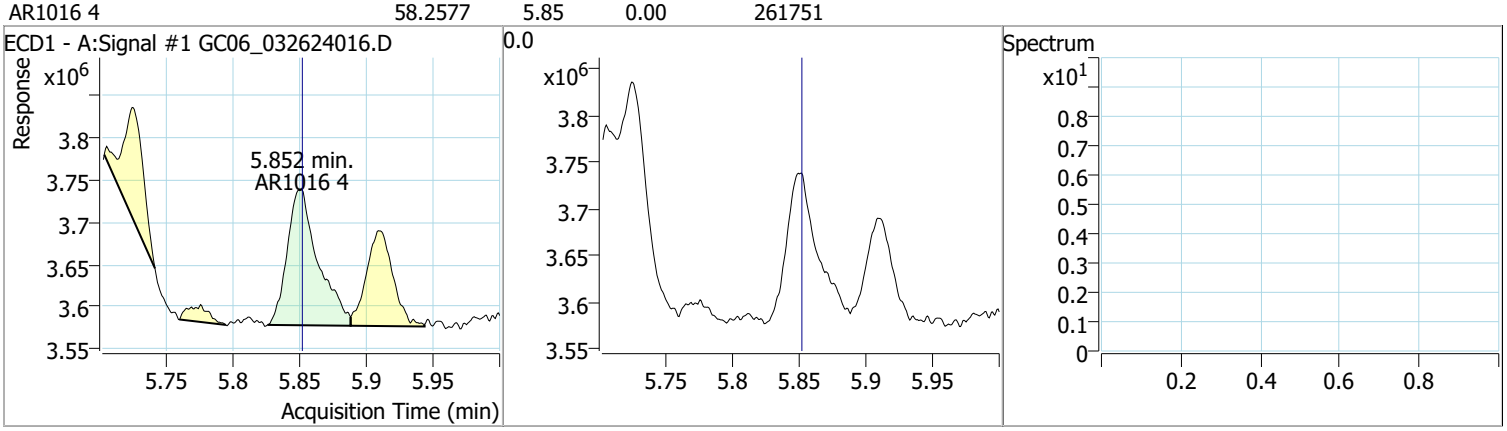
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	57.0226	5.72	0.00	362881 (m)				



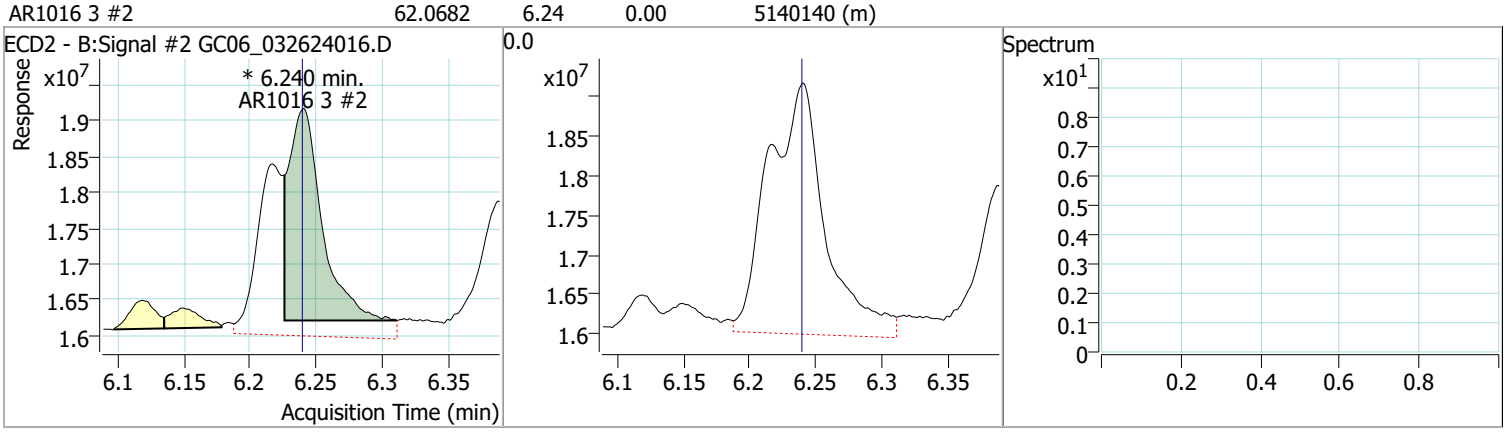
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	56.8837	5.76	0.00	3401111				



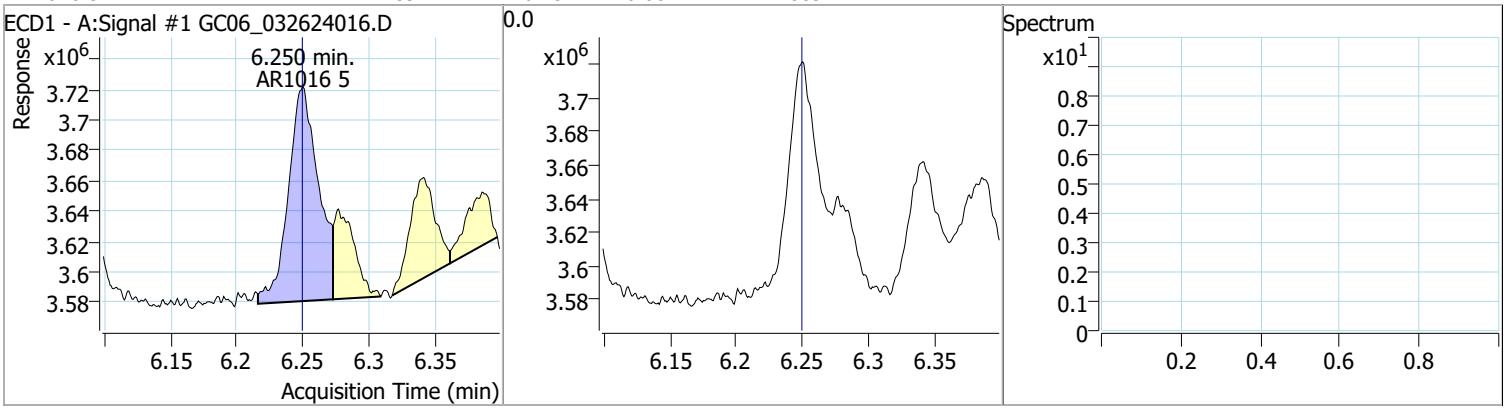
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	58.2577	5.85	0.00	261751				



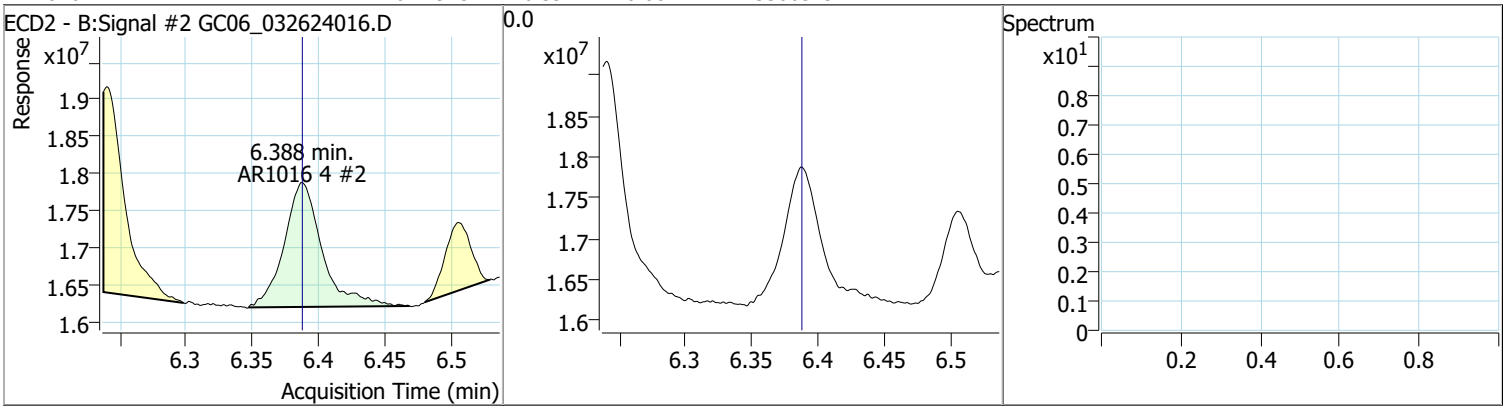
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	62.0682	6.24	0.00	5140140 (m)				



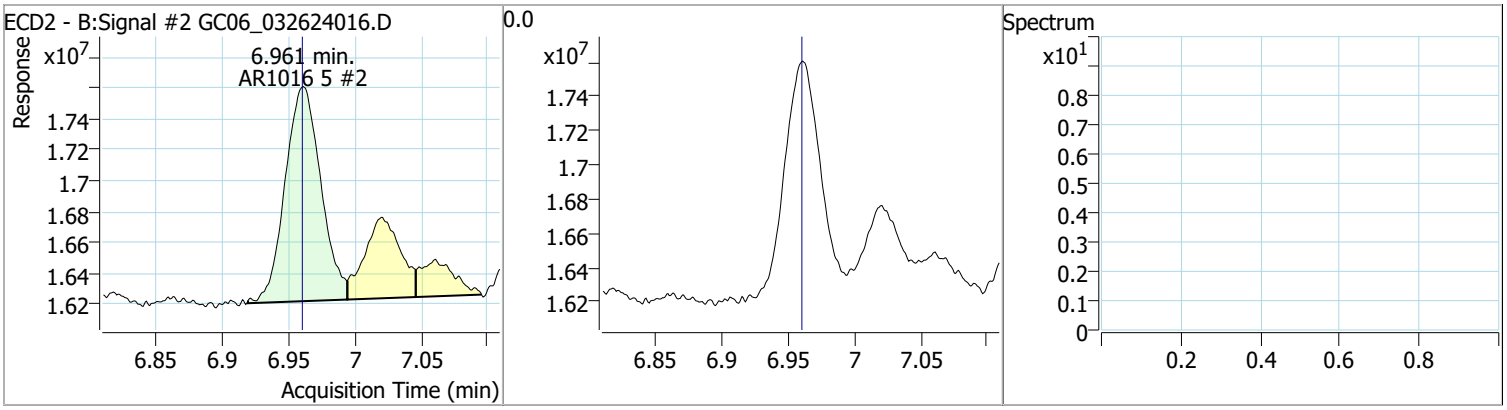
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	59.2117	6.25	0.00	222889				



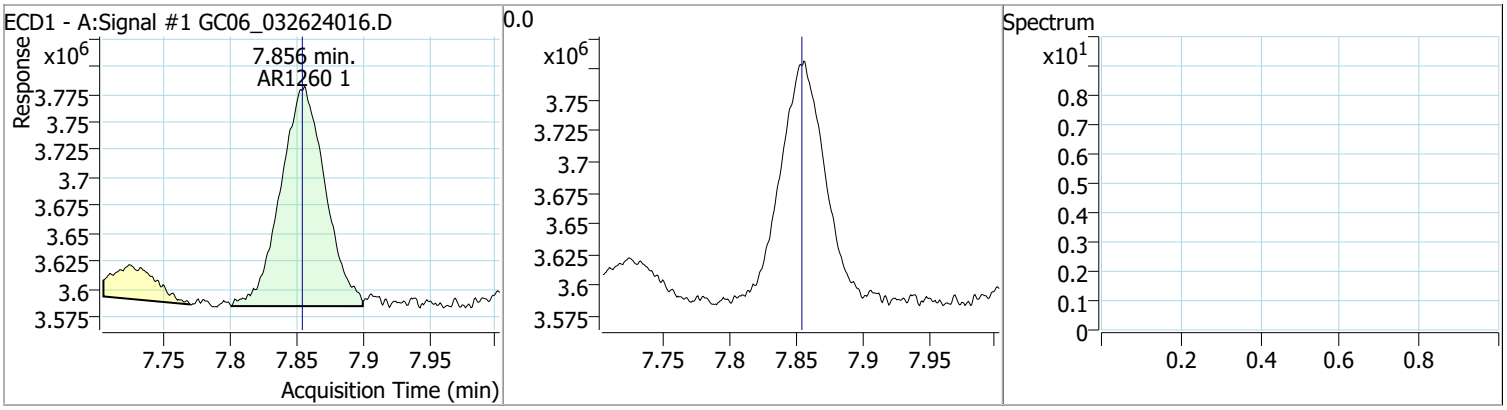
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	61.4945	6.39	0.00	3366319				



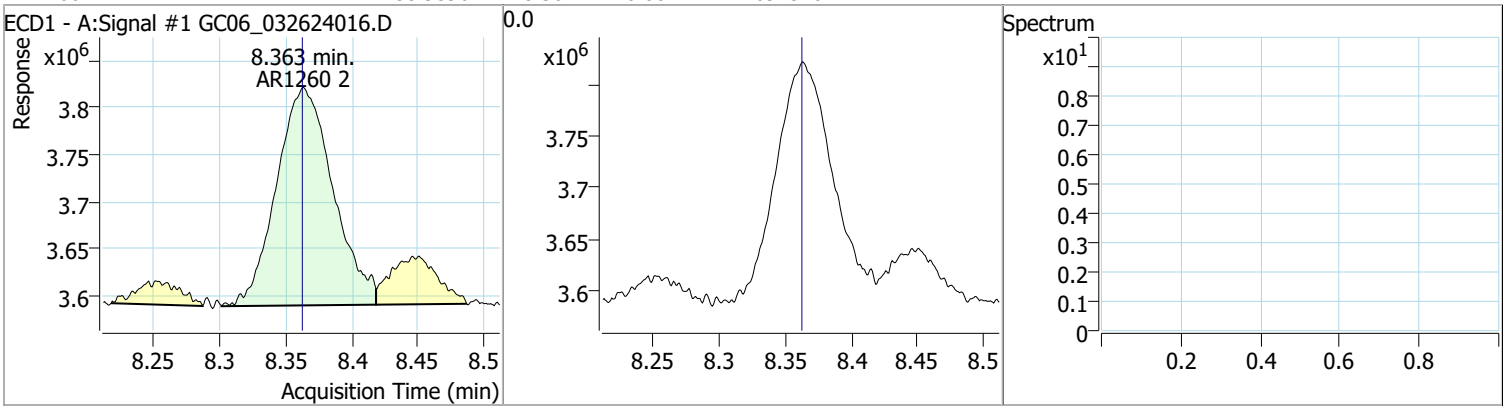
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	56.8735	6.96	0.00	2606171				



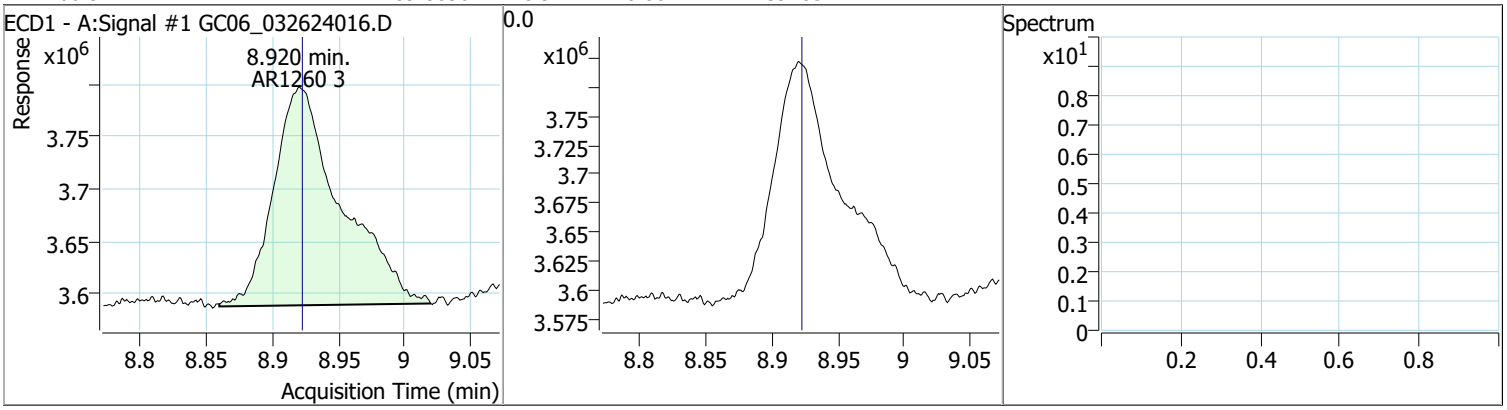
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	59.9445	7.86	0.00	459590				



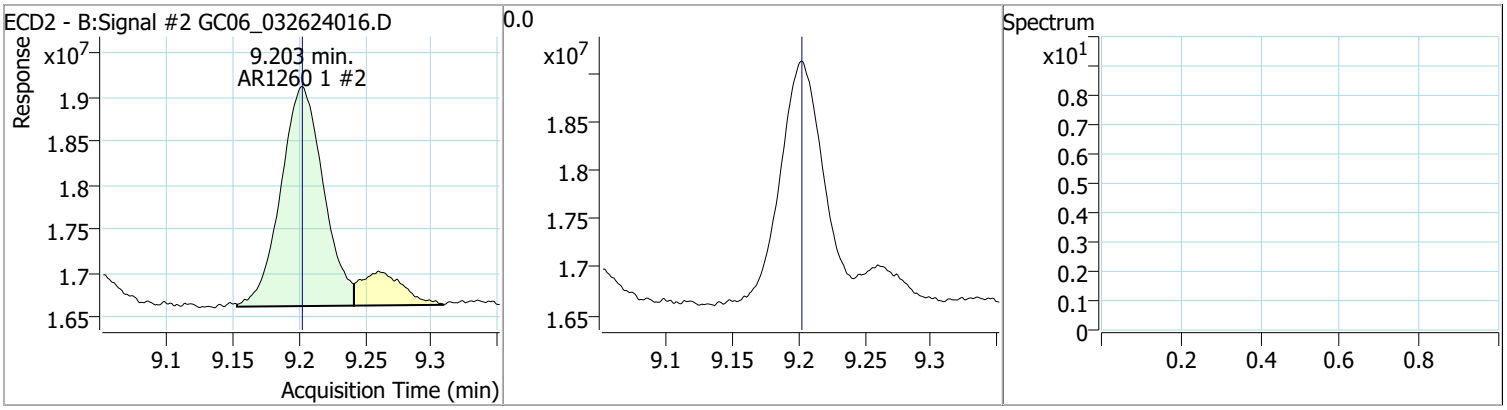
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	58.9596	8.36	0.00	691540				



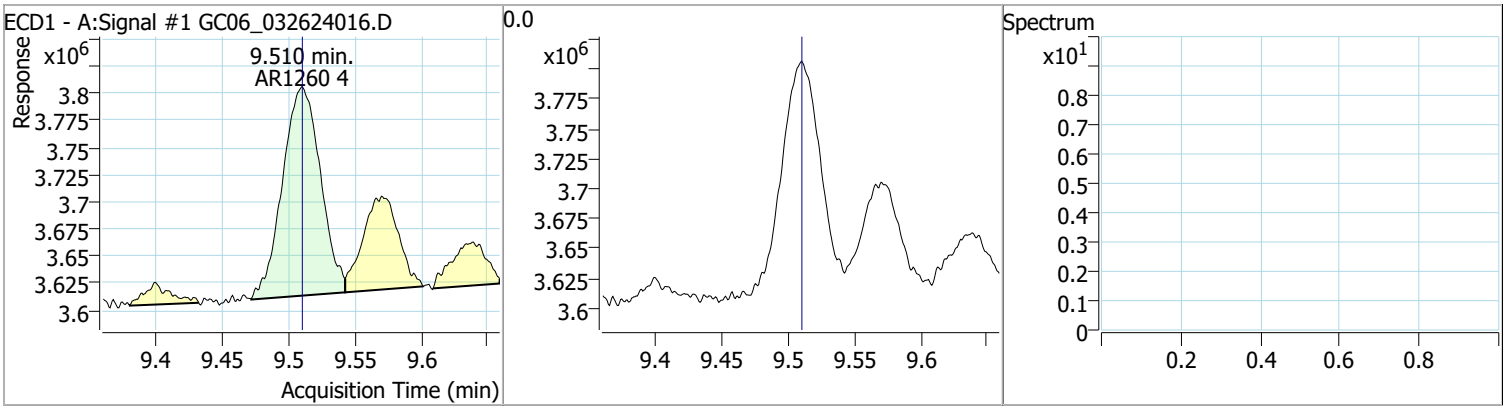
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	59.8036	8.92	0.00	739285				



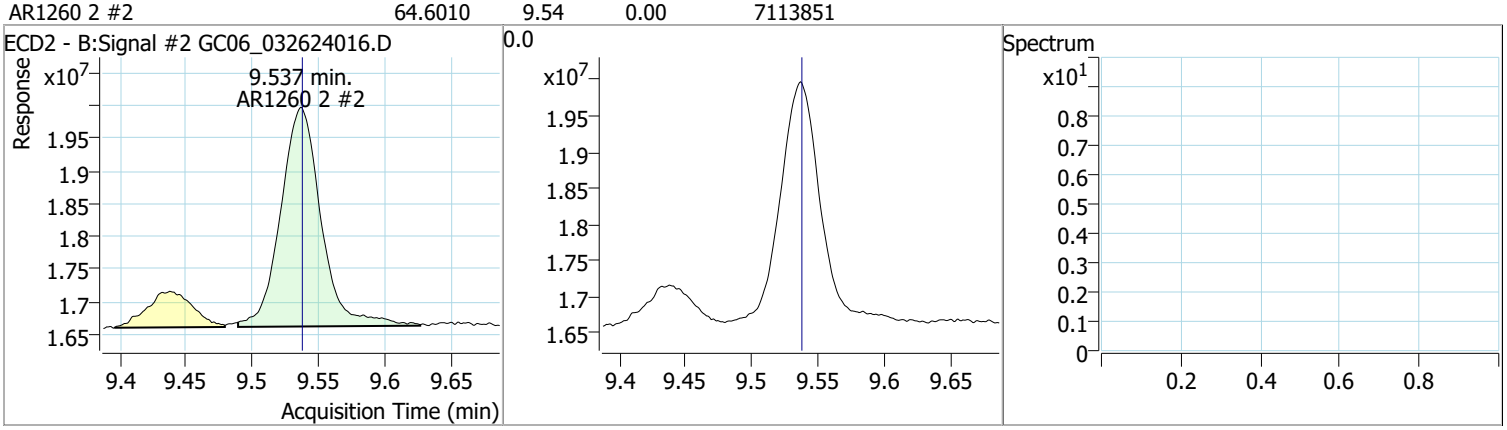
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	61.9111	9.20	0.00	5604541				



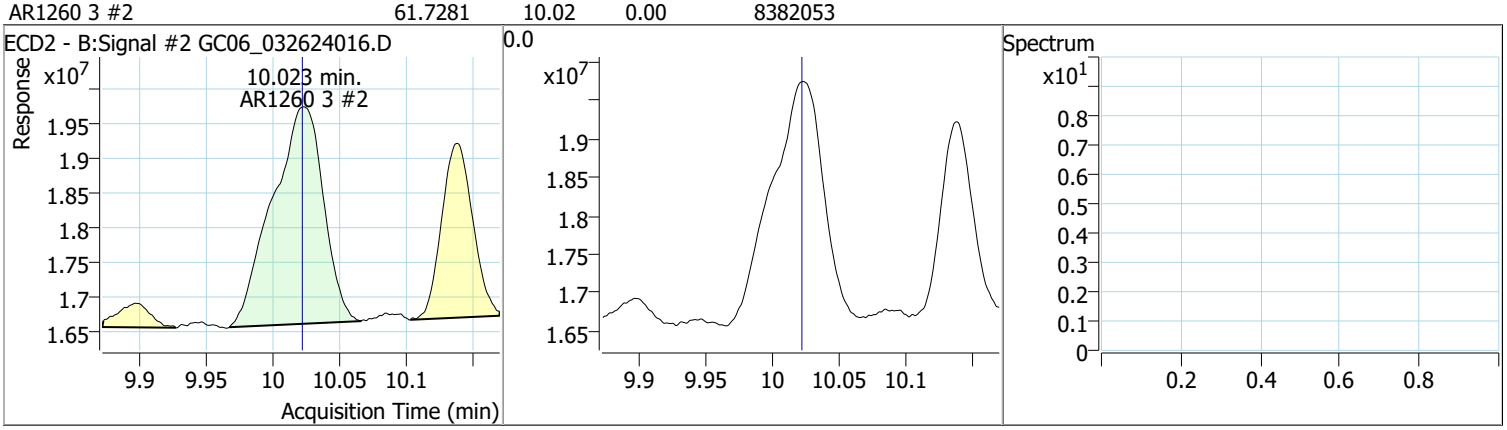
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	54.1454	9.51	0.00	385031				



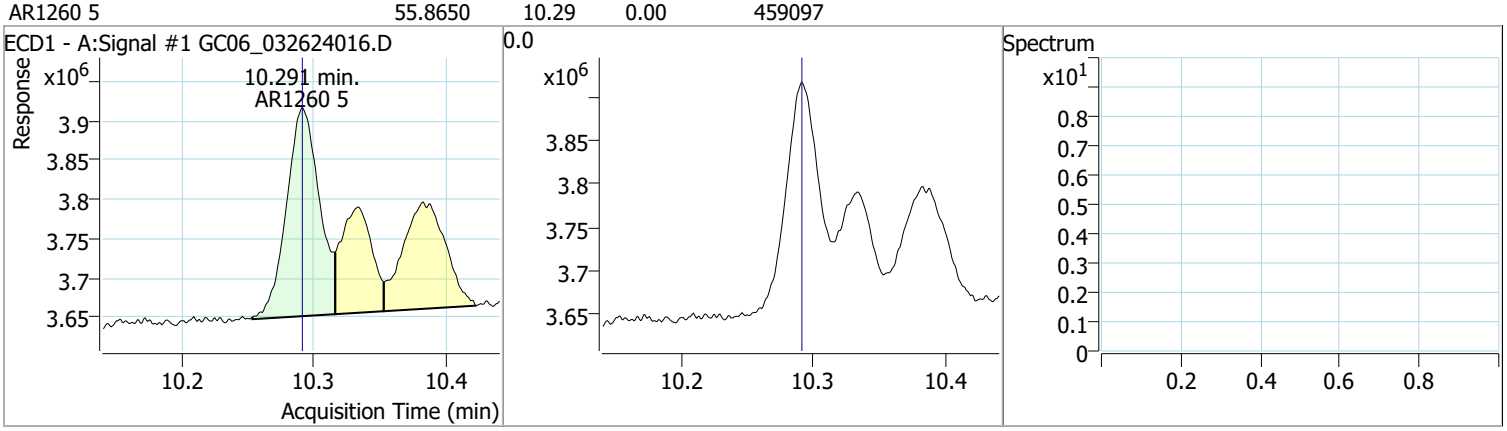
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	64.6010	9.54	0.00	7113851				



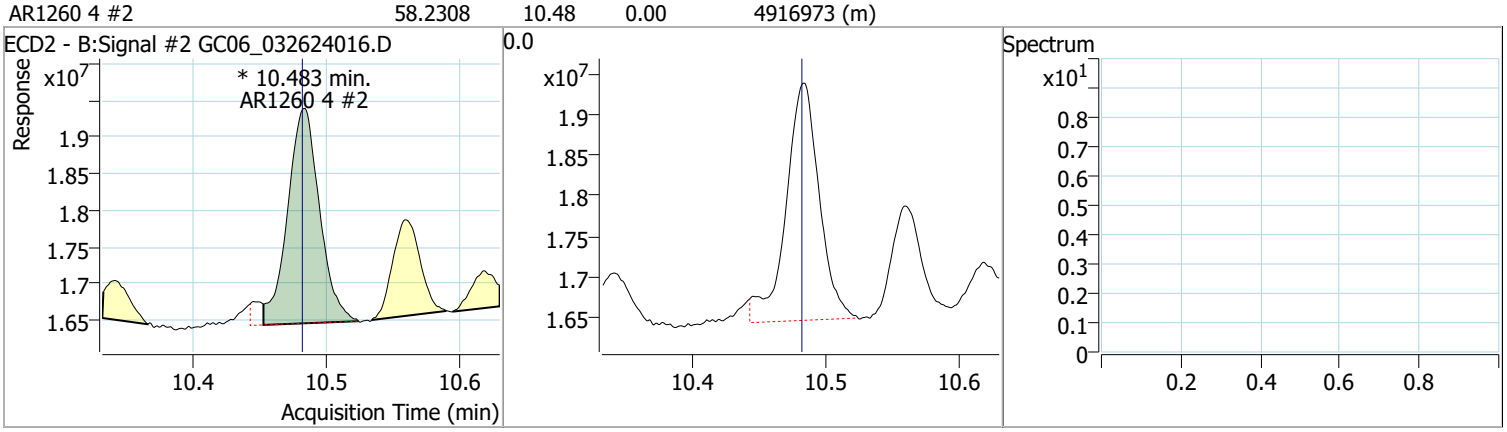
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	61.7281	10.02	0.00	8382053				



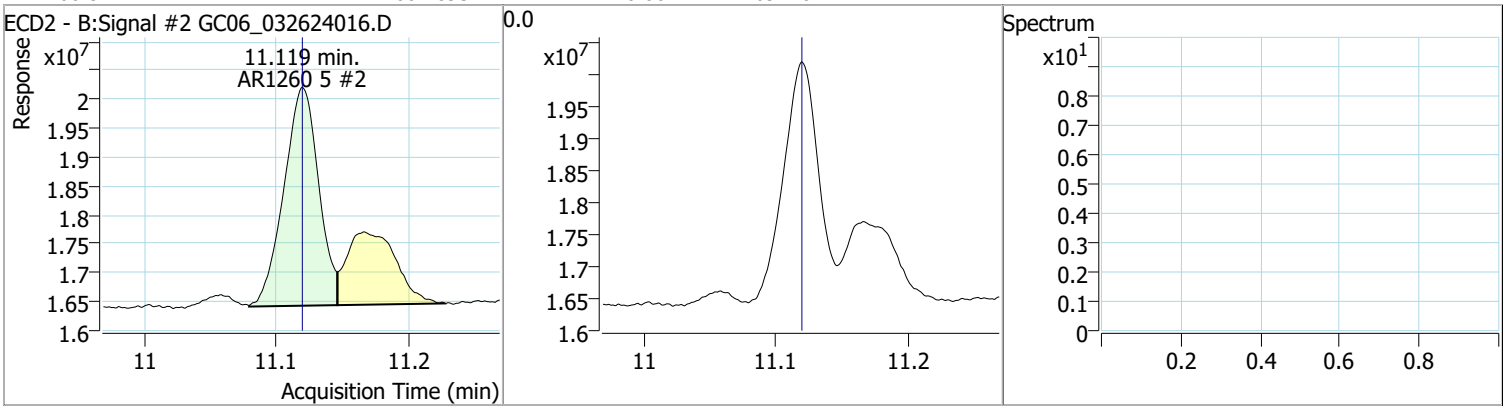
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	55.8650	10.29	0.00	459097				



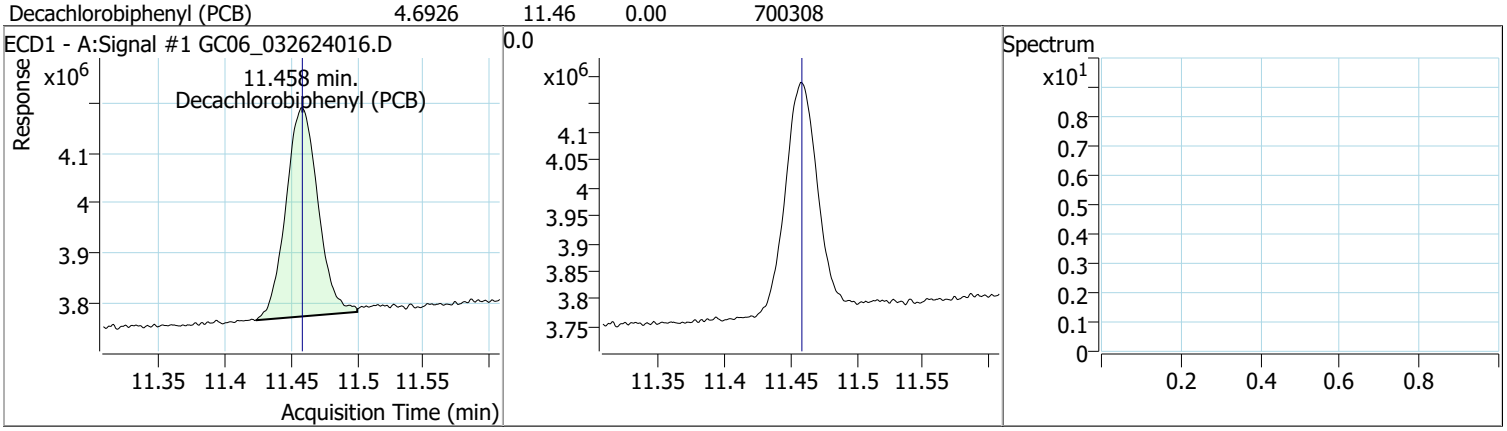
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	58.2308	10.48	0.00	4916973 (m)				



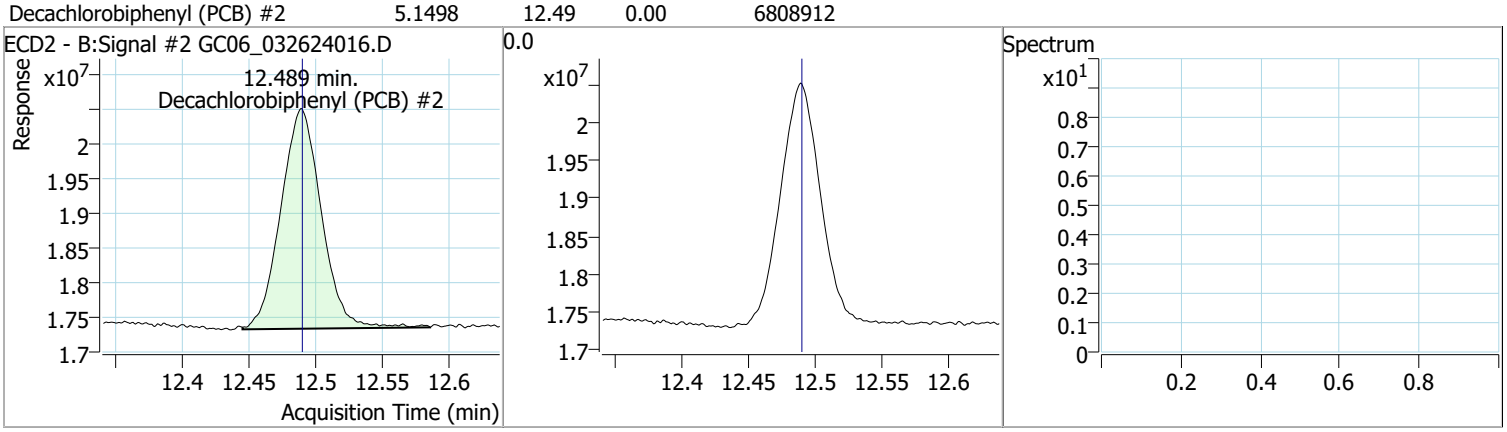
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	60.7893	11.12	0.00	6911671				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	4.6926	11.46	0.00	700308				

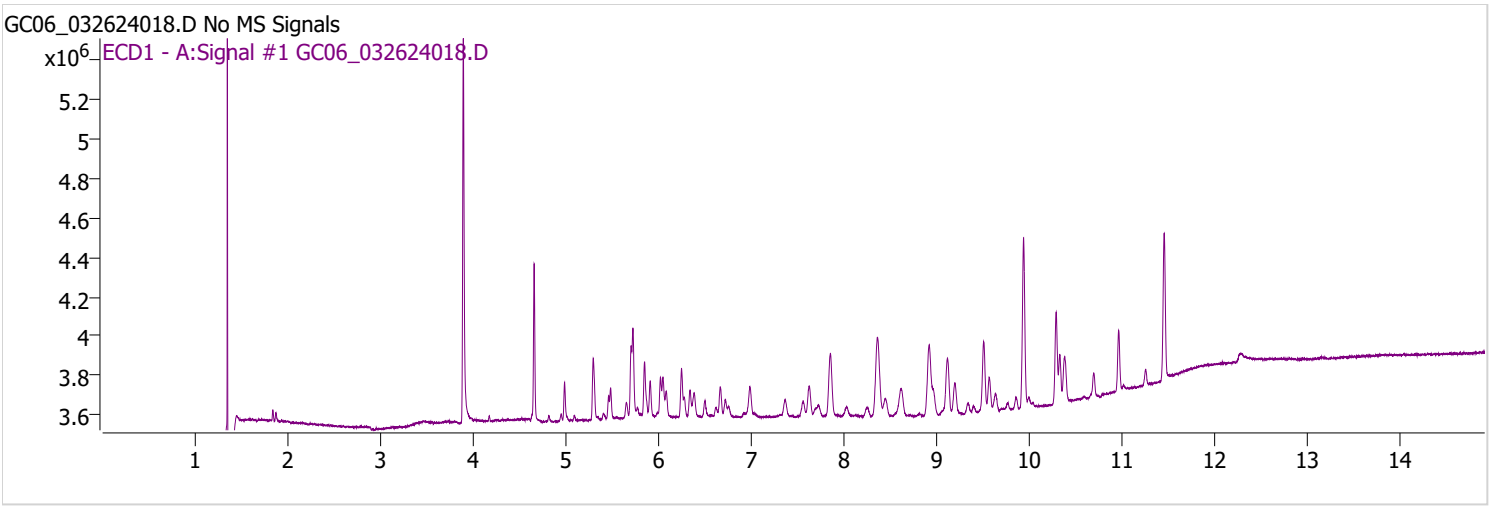


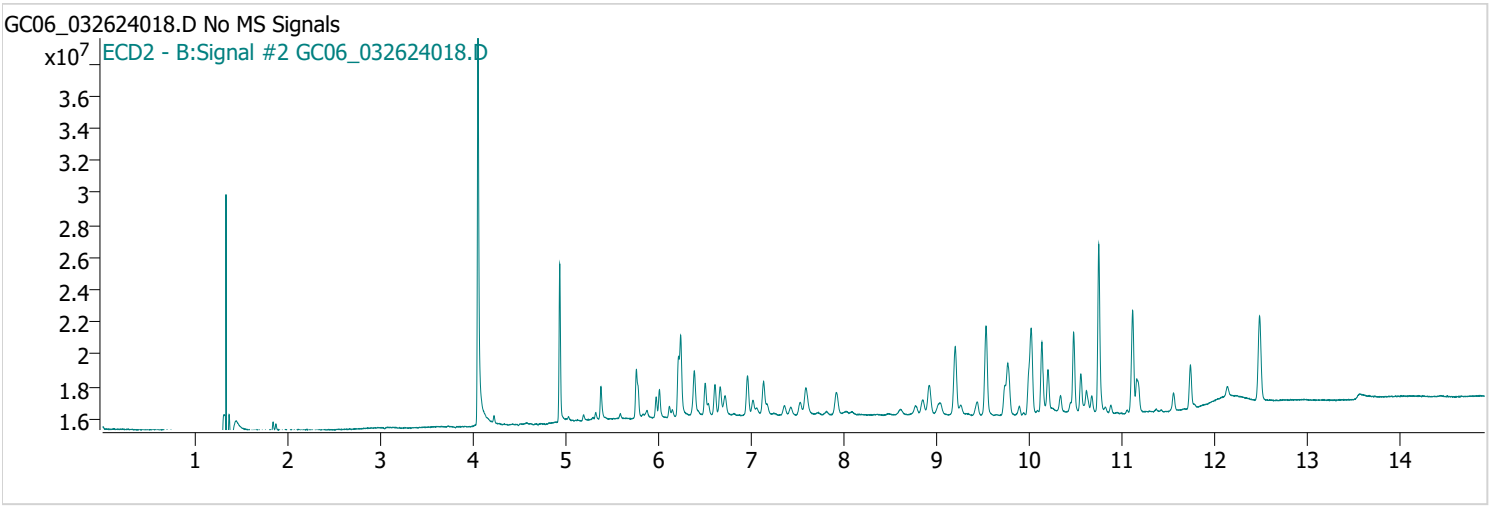
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	5.1498	12.49	0.00	6808912				



Quantitation Results Report (Not Reviewed)

Data File	GC06_032624018.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	3/26/2024 3:18:08 PM
Sample Name	ICAL, S20229	Instrument	SVOA-GC06
Vial	13	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_1.m	Comment	100 ppb PCB ICAL 4
Tune File	ATUNE.U	Tune Date	
Batch Name	032624_PCB.batch.bin	Last Calib Update	3/27/2024 10:44:12 AM
Ref Library			



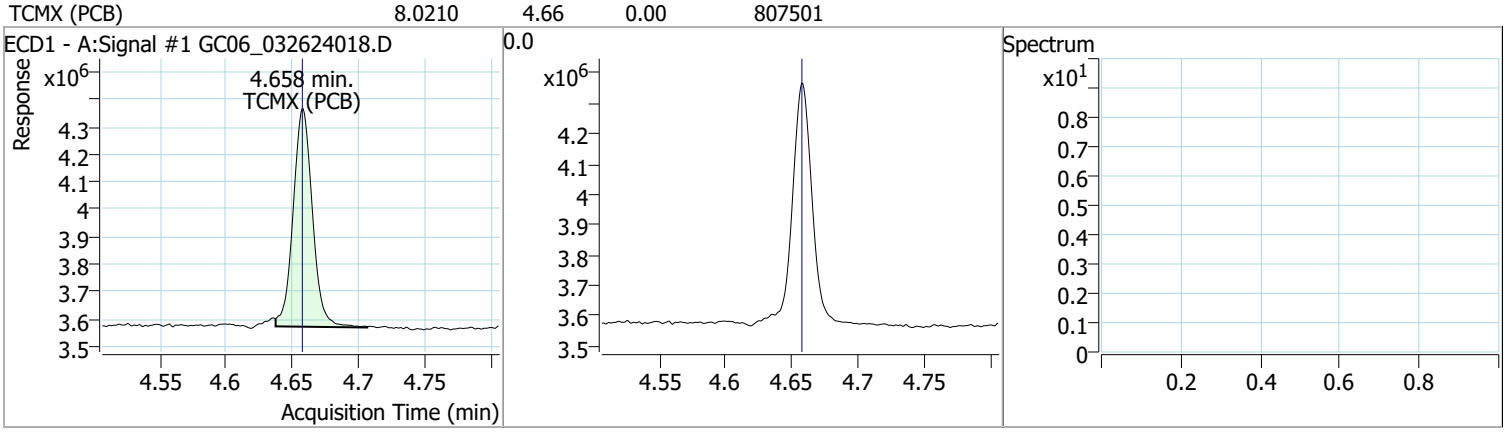


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.893	0.0	2236133.392	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.053	0.0	29572362.801	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.658	0.0	807500.641	8.0210	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 40.11%		*	
S TCMX (PCB) #2	4.934	0.0	10932420.456	8.5253	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 42.63%		*	
S Decachlorobiphenyl (PCB)	11.458	0.0	1275552.594	9.5821	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 47.91%		*	
S Decachlorobiphenyl (PCB) #2	12.488	0.0	11246894.371	9.3032	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 46.52%		*	
Target Compounds							QValue
T AR1016 1	4.987	0.0	252753.977	105.1472	ng/ml		100

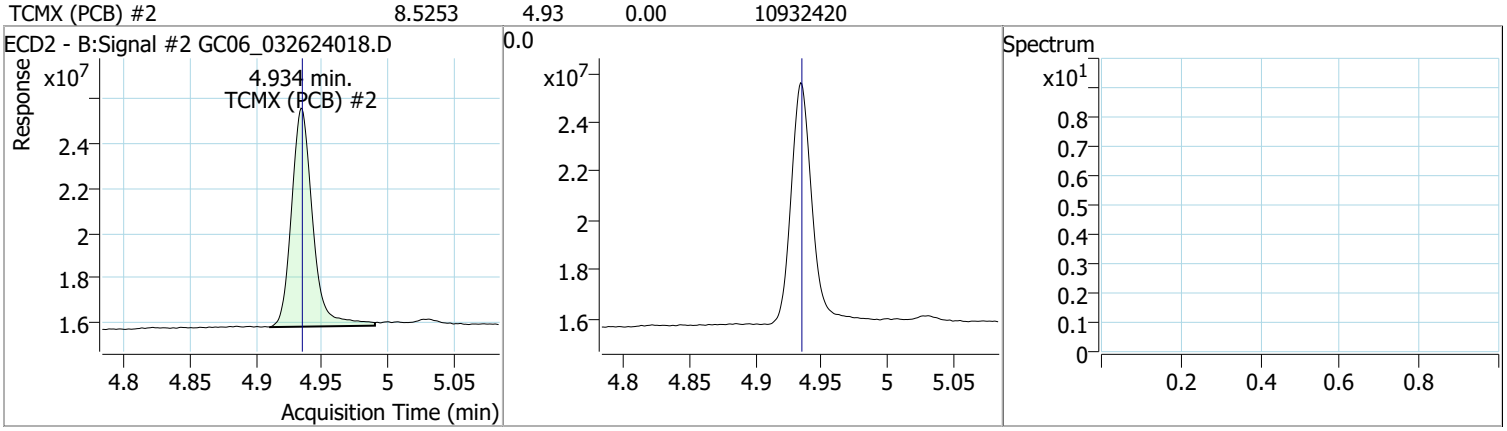
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 2	5.296	0.0	502279.823	113.8148	ng/ml		100
T AR1016 1 #2	5.379	0.0	2877686.840	105.3072	ng/ml		100
T AR1016 3	5.723	0.0	616395.825	108.5874	ng/ml	m	100
T AR1016 2 #2	5.762	0.0	6067998.399	110.9951	ng/ml		100
T AR1016 4	5.849	0.0	427838.582	106.7533	ng/ml		100
T AR1016 3 #2	6.239	0.0	8463029.480	111.7666	ng/ml	m	100
T AR1016 5	6.248	0.0	349411.814	104.0624	ng/ml	m	100
T AR1016 4 #2	6.387	0.0	5087497.738	101.6428	ng/ml		100
T AR1016 5 #2	6.961	0.0	4430949.084	105.7537	ng/ml		100
T AR1260 1	7.856	0.0	795280.796	116.2884	ng/ml		100
T AR1260 2	8.363	0.0	1208708.811	115.5303	ng/ml		100
T AR1260 3	8.923	0.0	1237811.850	112.2554	ng/ml	m	100
T AR1260 1 #2	9.203	0.0	9417185.653	113.7736	ng/ml		100
T AR1260 4	9.509	0.0	720289.096	113.5559	ng/ml	m	100
T AR1260 2 #2	9.536	0.0	11436051.786	113.5801	ng/ml		100
T AR1260 3 #2	10.023	0.0	13819865.277	111.3084	ng/ml		100
T AR1260 5	10.293	0.0	826208.400	112.7098	ng/ml	m	100
T AR1260 4 #2	10.481	0.0	8075154.120	104.5918	ng/ml		100
T AR1260 5 #2	11.118	0.0	11614870.645	111.7250	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

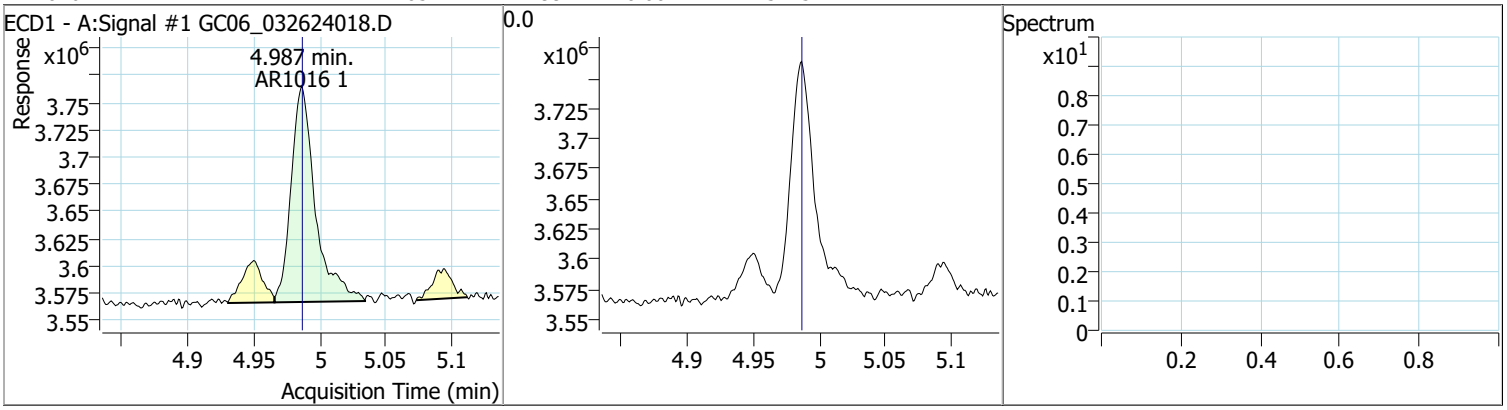
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	8.0210	4.66	0.00	807501				



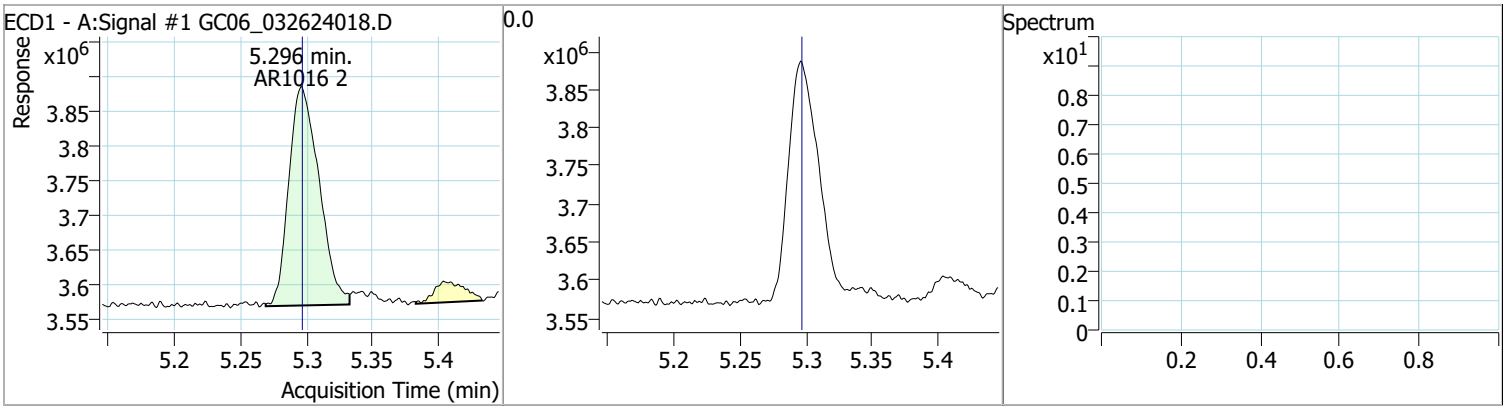
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	8.5253	4.93	0.00	10932420				



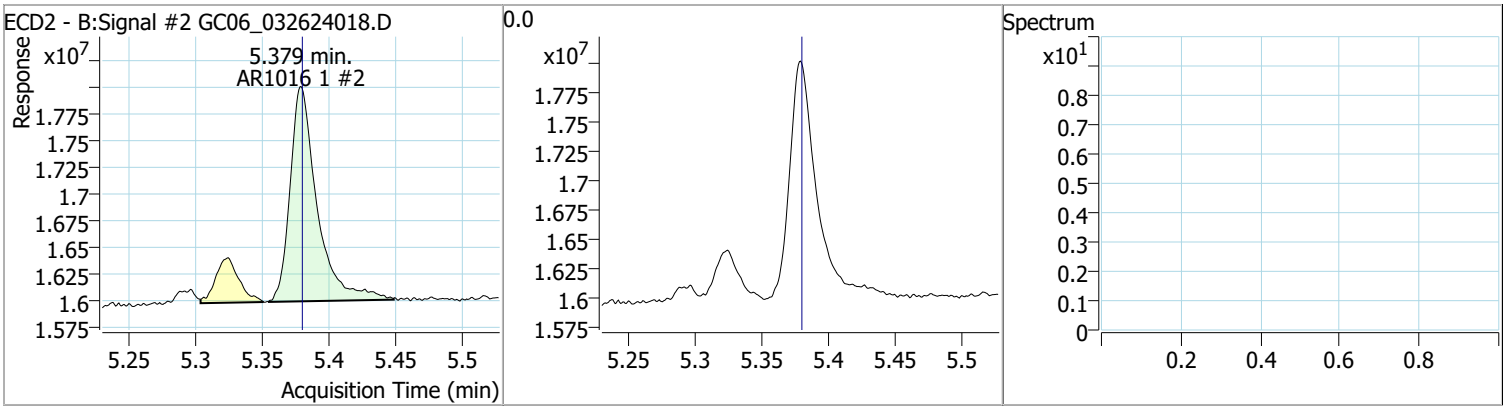
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	105.1472	4.99	0.00	252754				



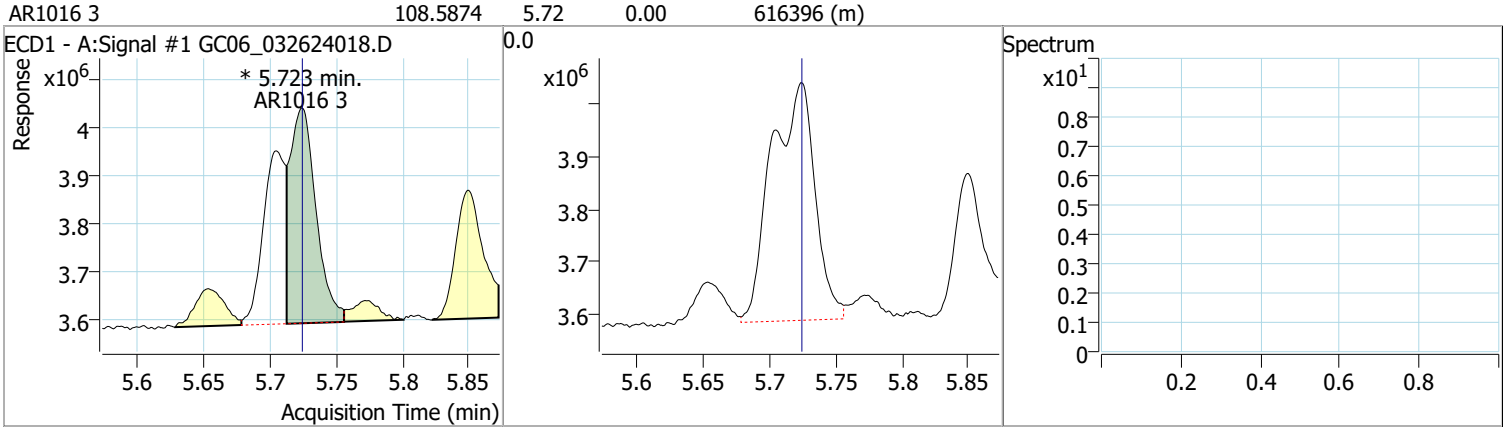
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	113.8148	5.30	0.00	502280				



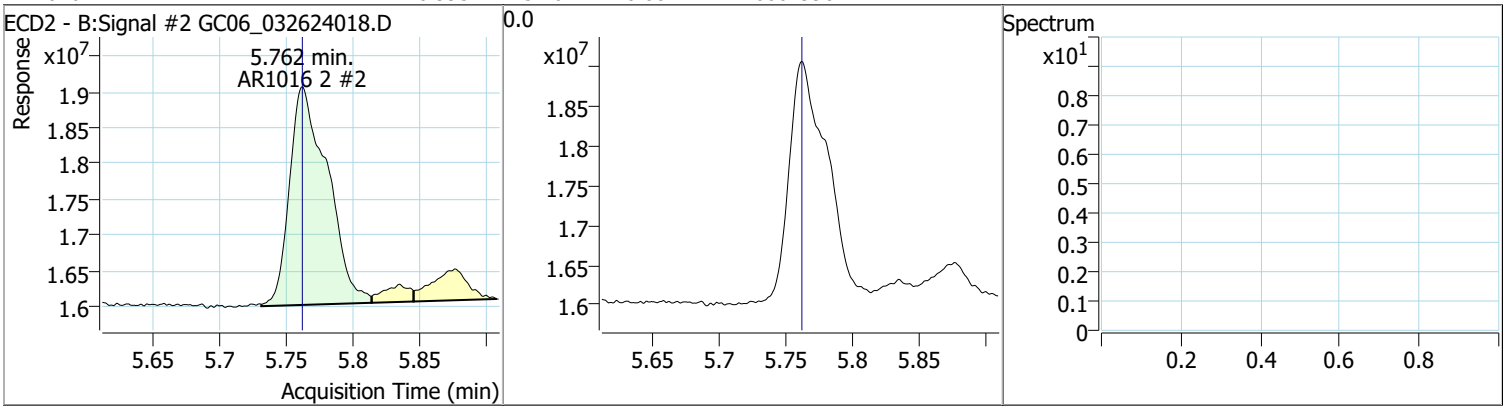
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	105.3072	5.38	0.00	2877687				



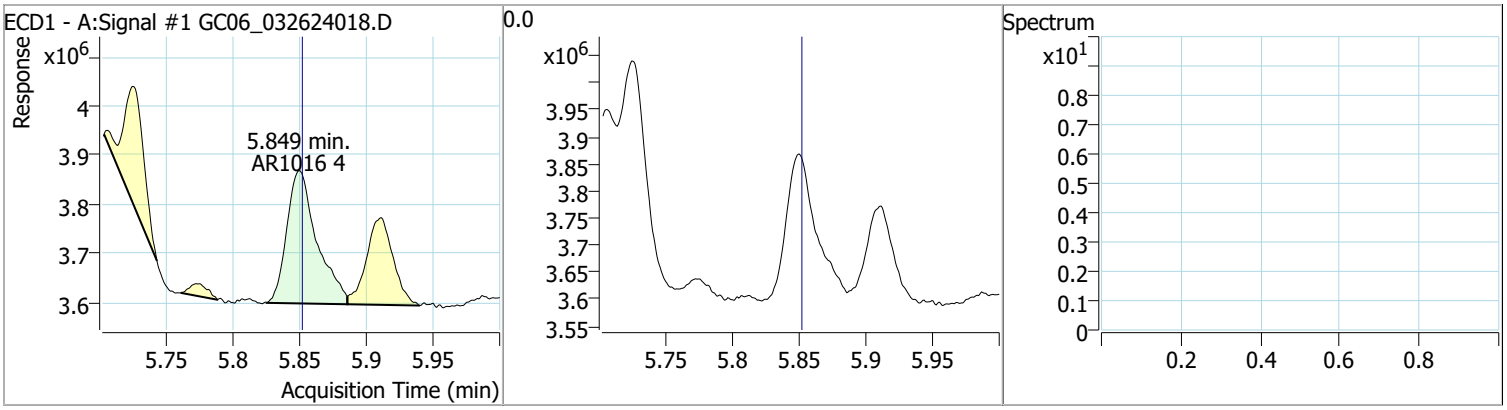
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	108.5874	5.72	0.00	616396 (m)				



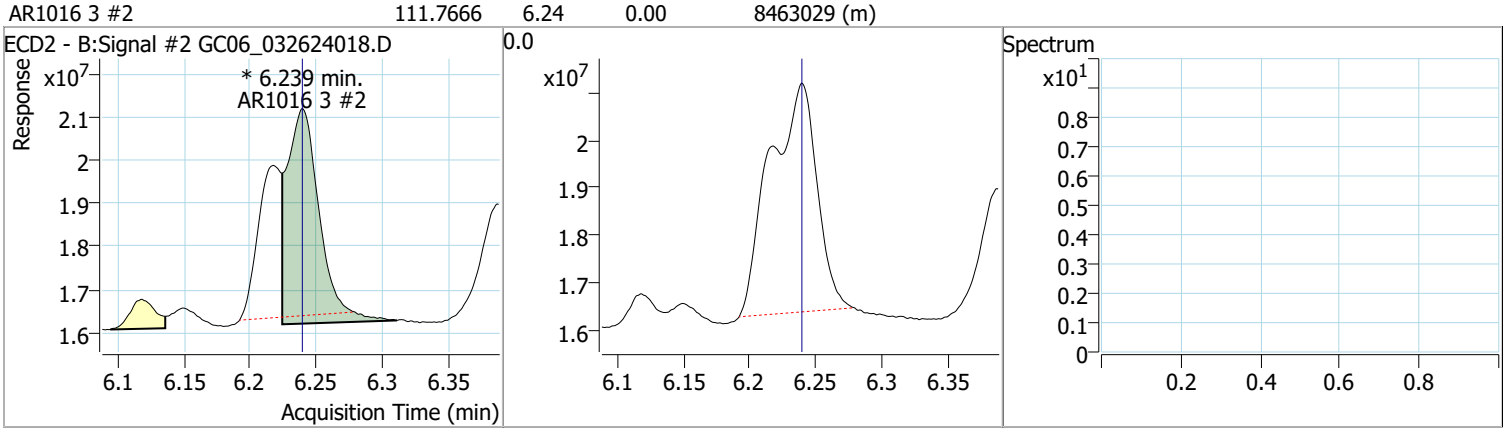
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	110.9951	5.76	0.00	6067998				



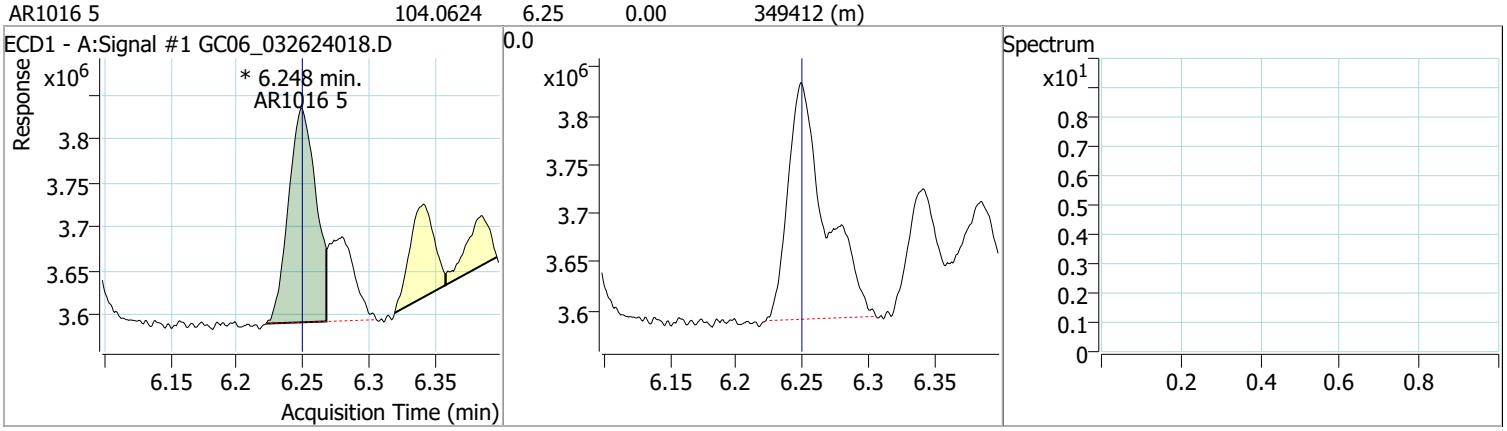
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	106.7533	5.85	0.00	427839				



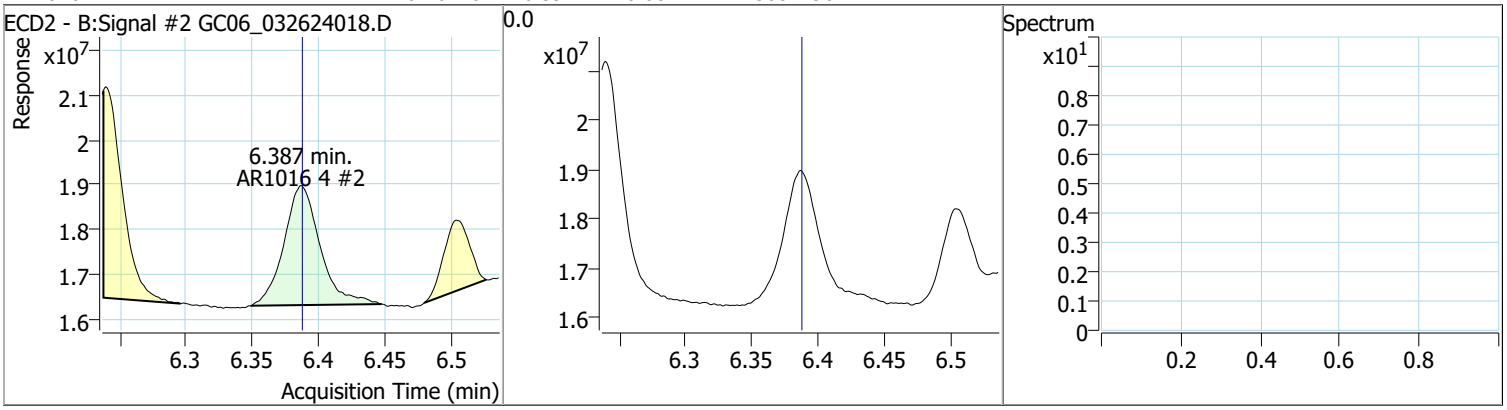
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	111.7666	6.24	0.00	8463029 (m)				



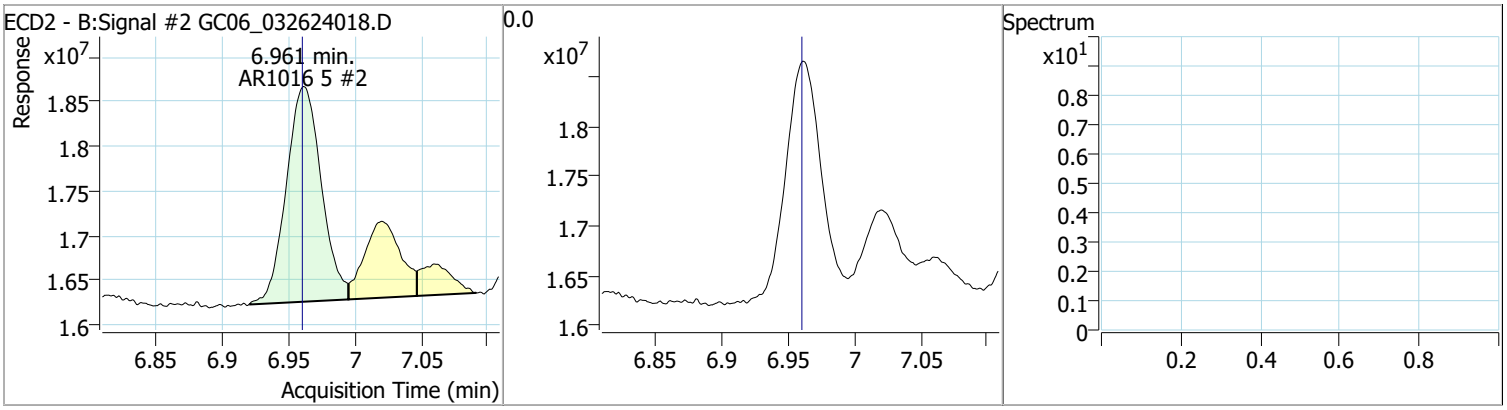
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	104.0624	6.25	0.00	349412 (m)				



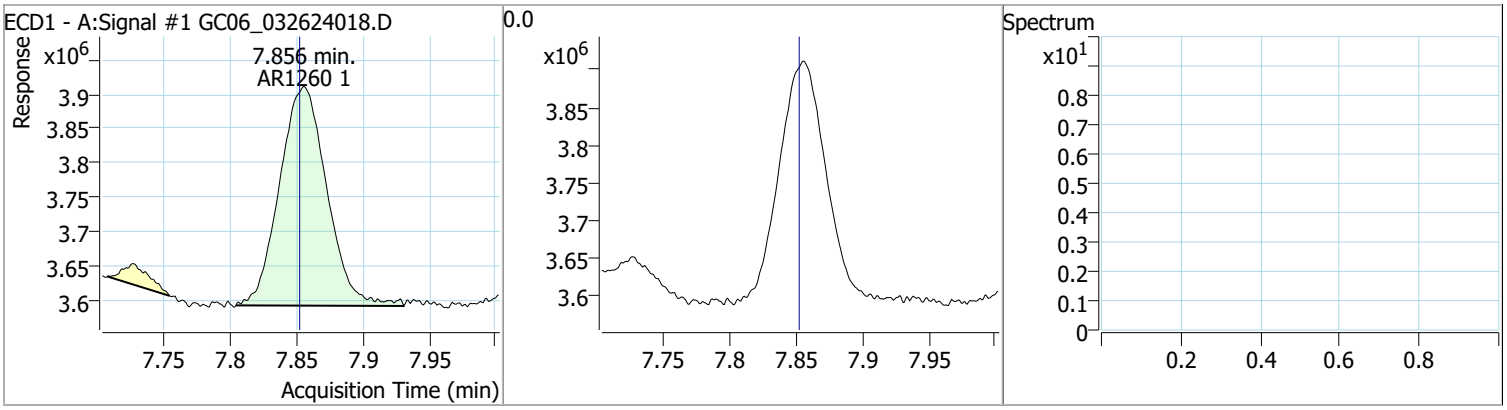
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	101.6428	6.39	0.00	5087498				



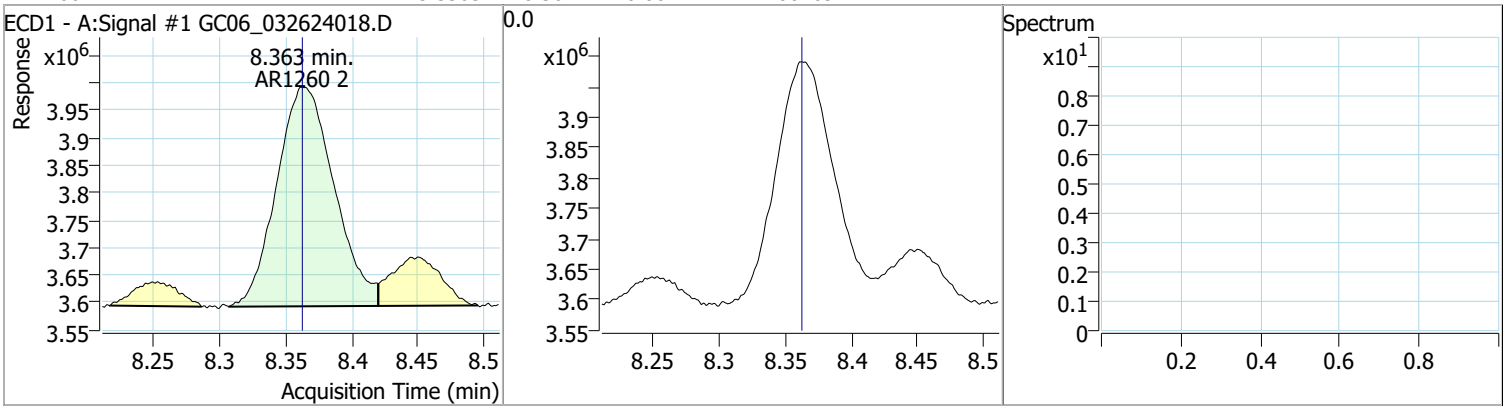
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	105.7537	6.96	0.00	4430949				



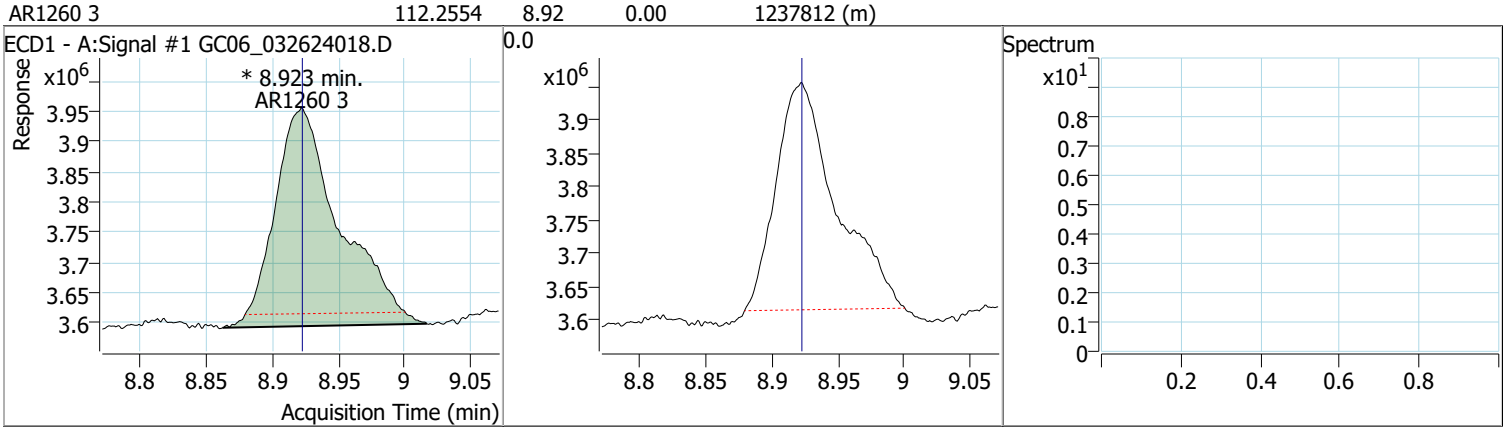
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	116.2884	7.86	0.00	795281				



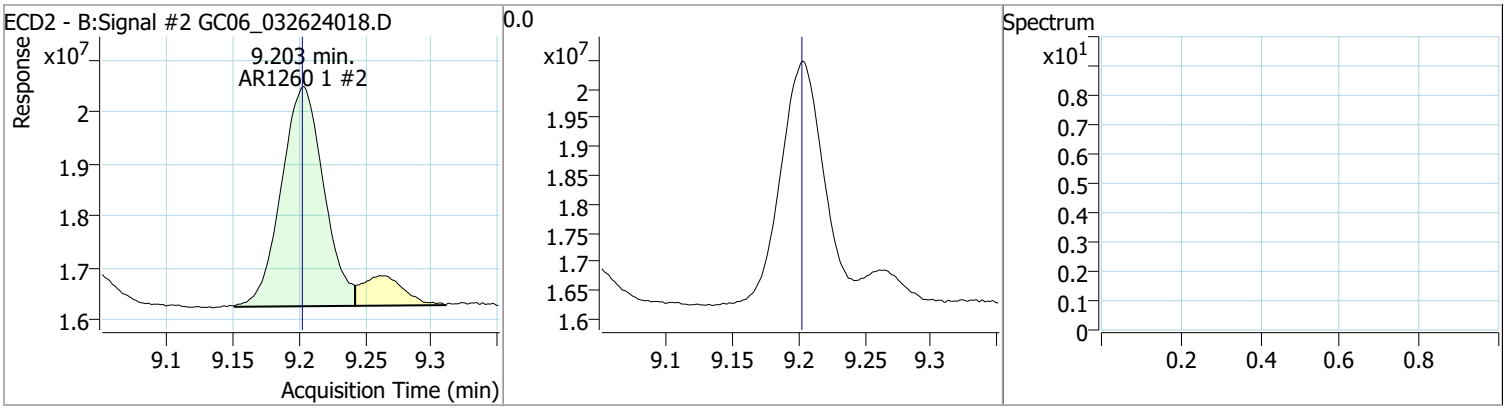
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	115.5303	8.36	0.00	1208709				



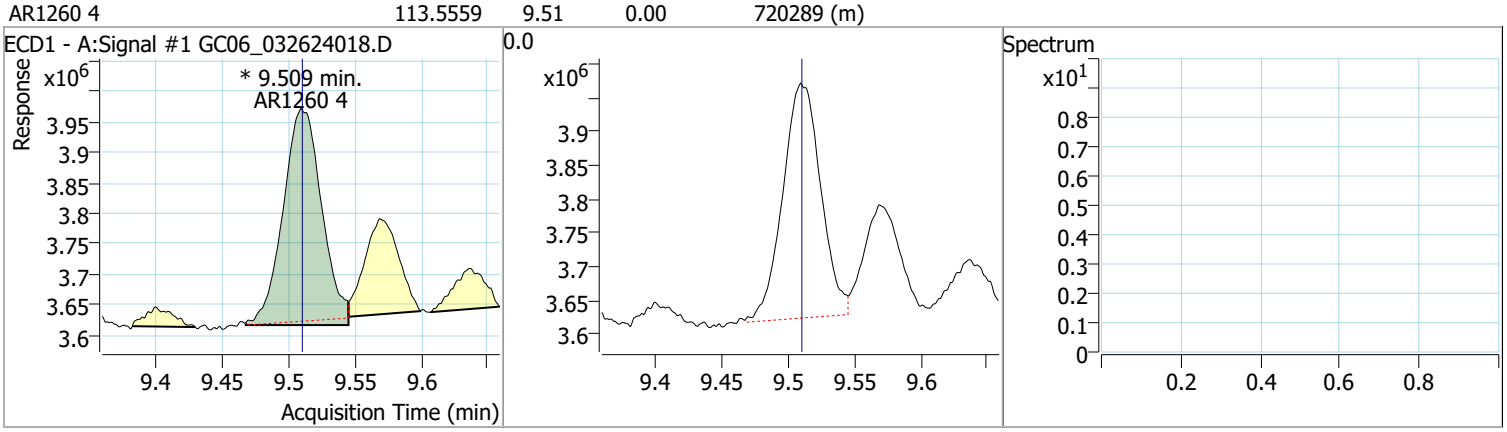
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	112.2554	8.92	0.00	1237812 (m)				



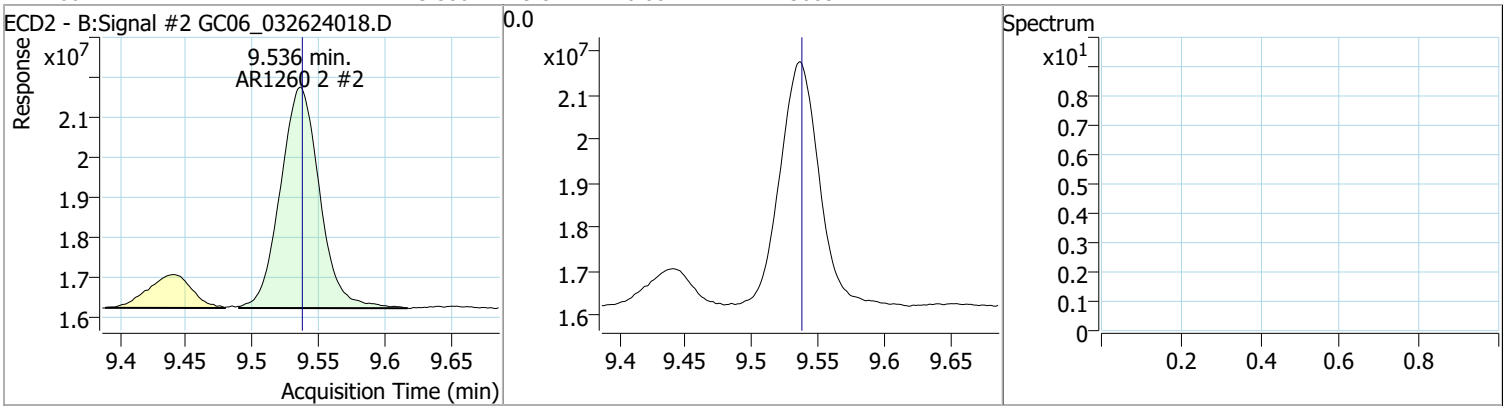
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	113.7736	9.20	0.00	9417186				



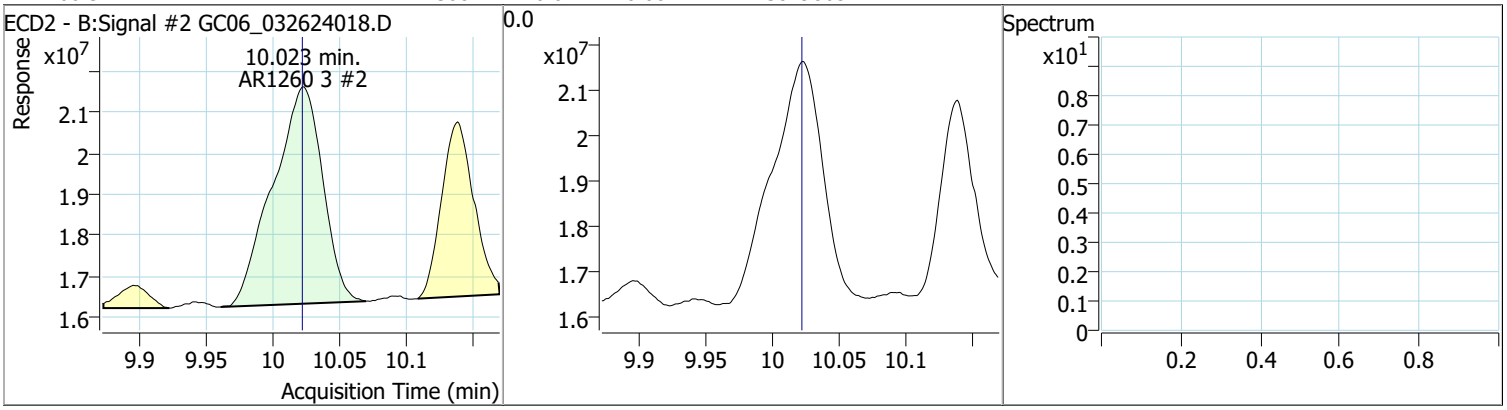
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	113.5559	9.51	0.00	720289 (m)				



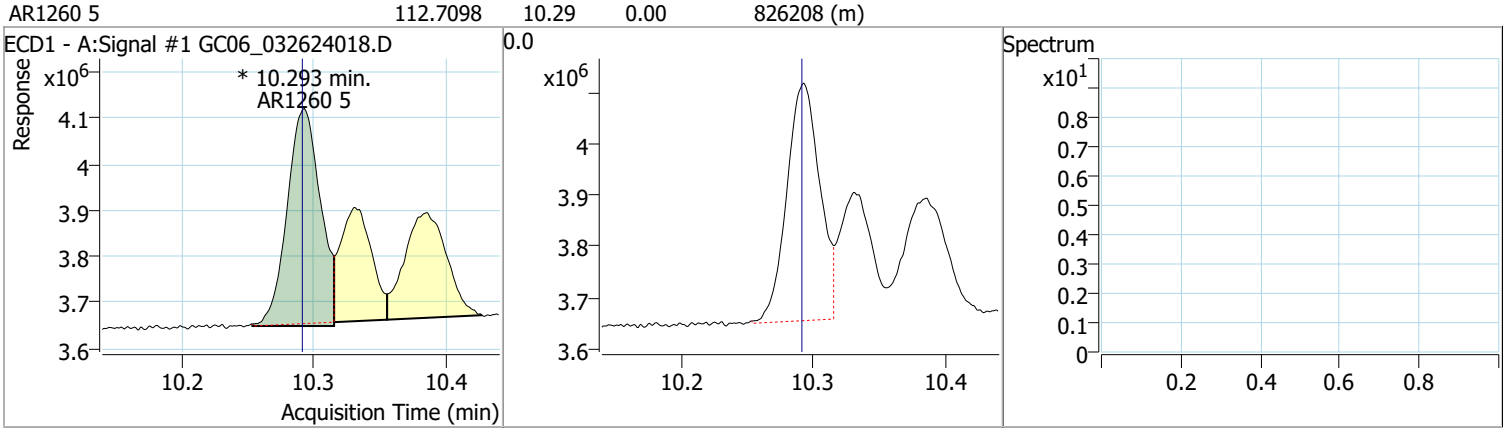
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	113.5801	9.54	0.00	11436052				



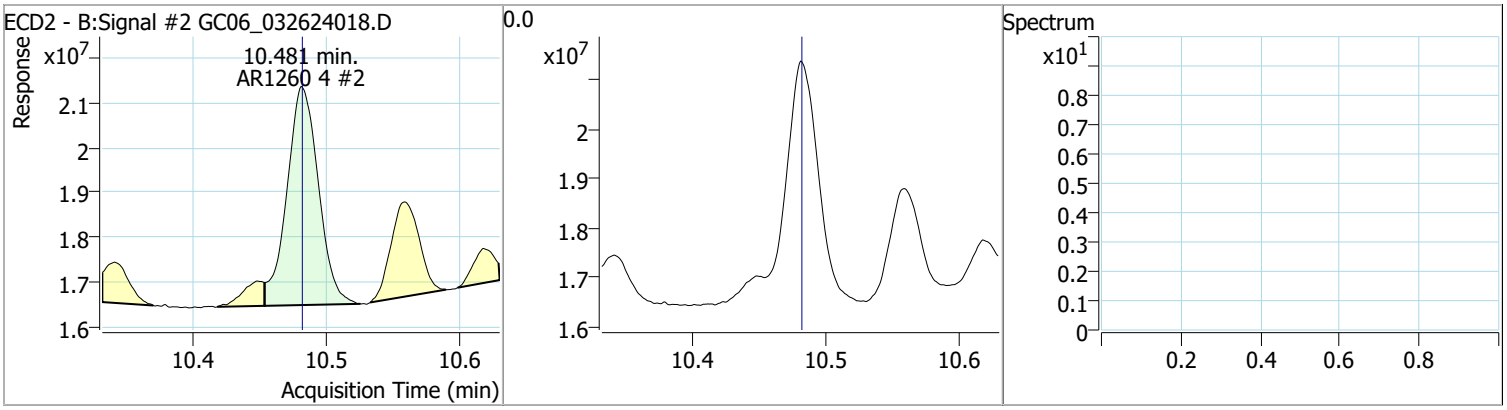
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	111.3084	10.02	0.00	13819865				



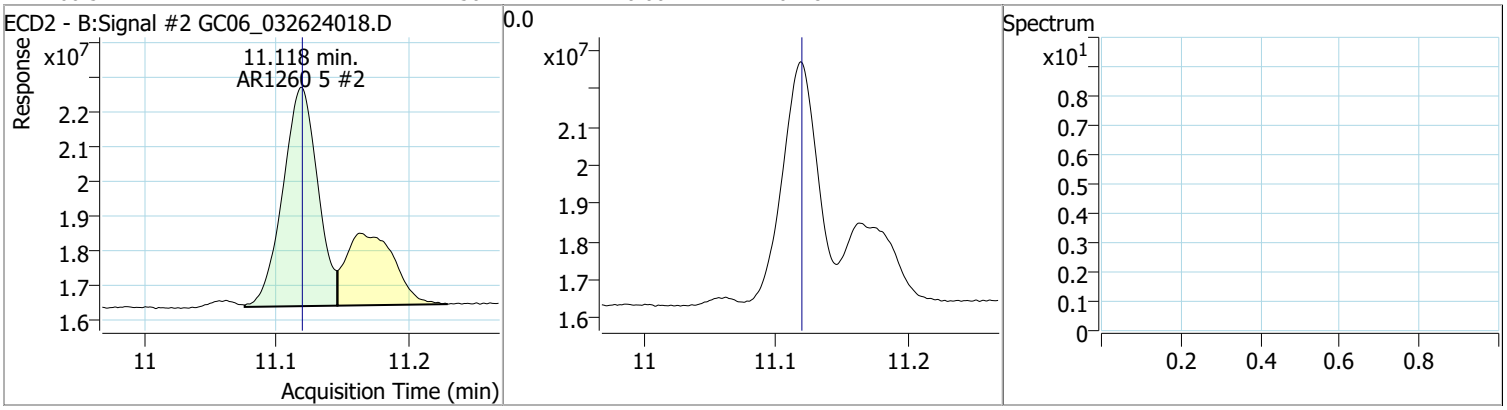
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	112.7098	10.29	0.00	826208 (m)				



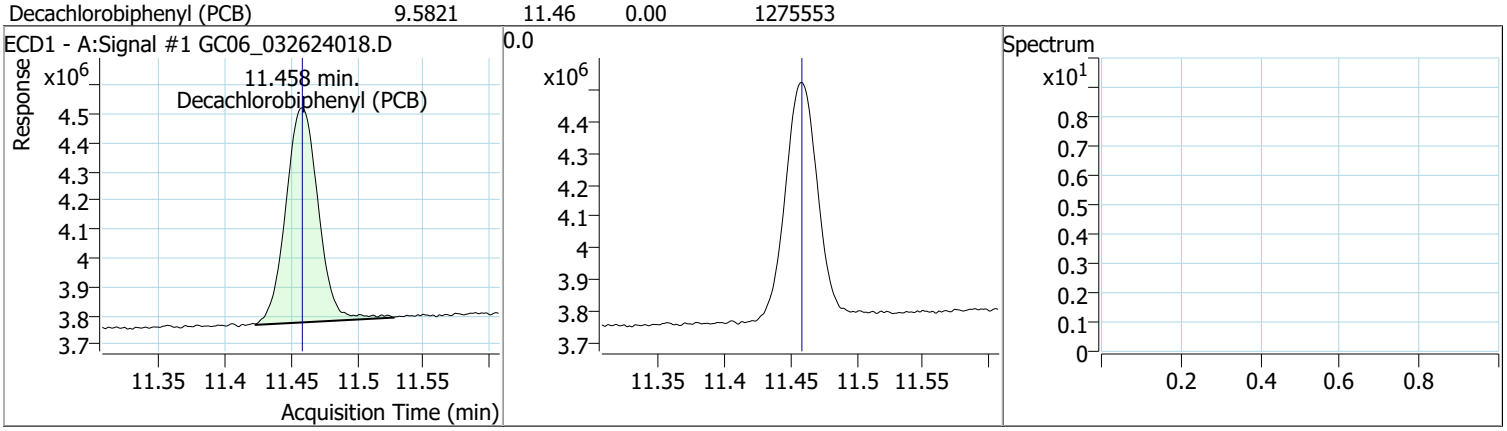
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	104.5918	10.48	0.00	8075154				



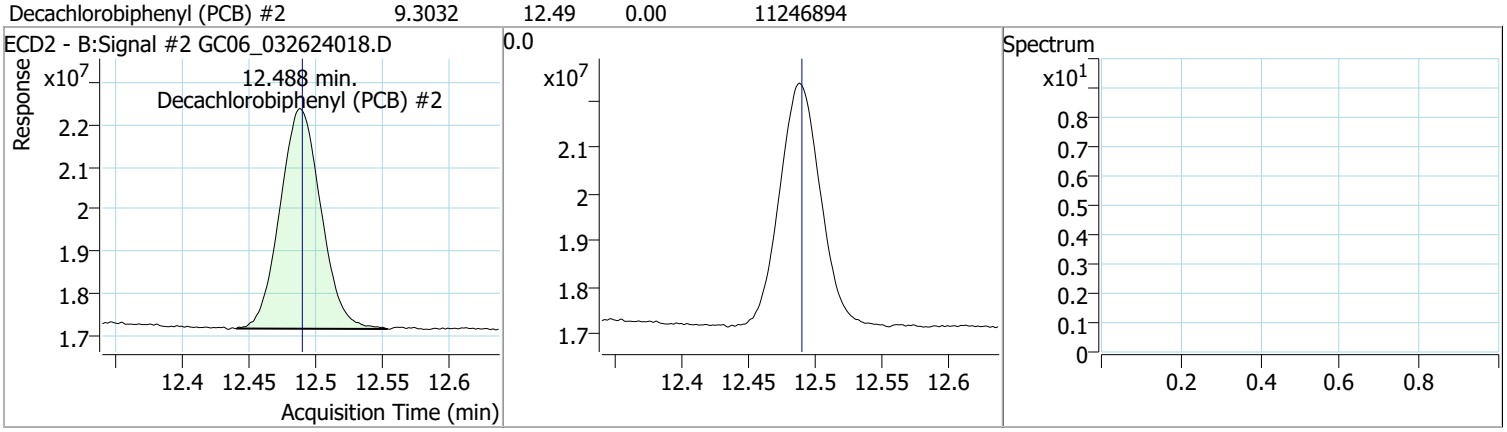
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	111.7250	11.12	0.00	11614871				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	9.5821	11.46	0.00	1275553				

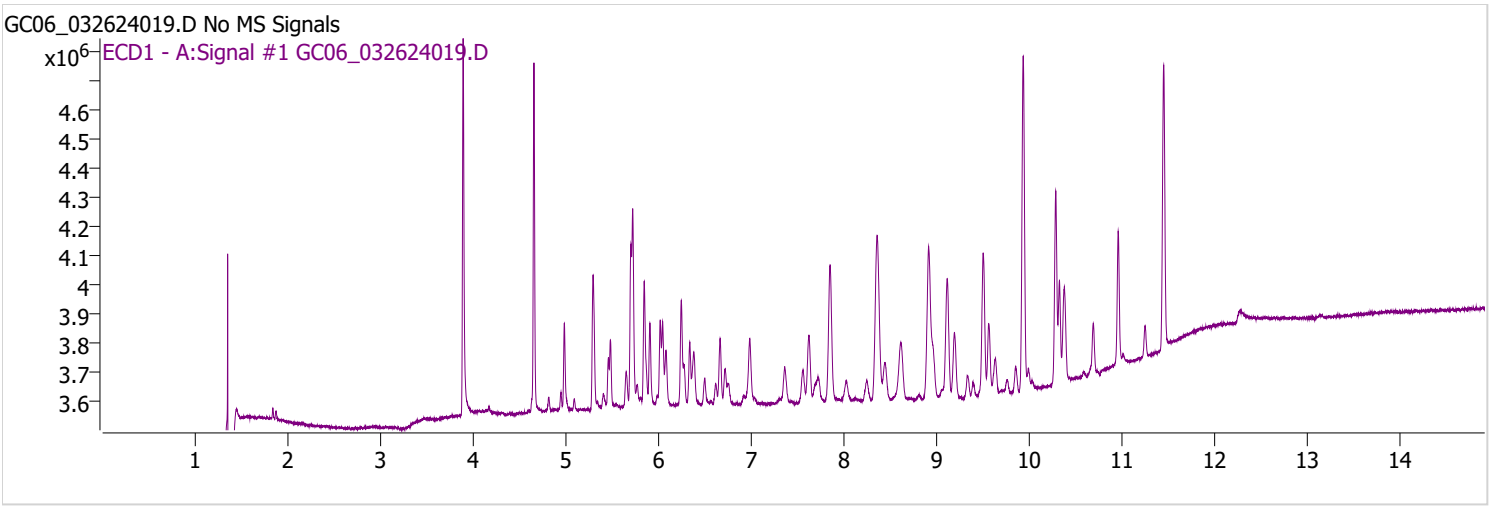


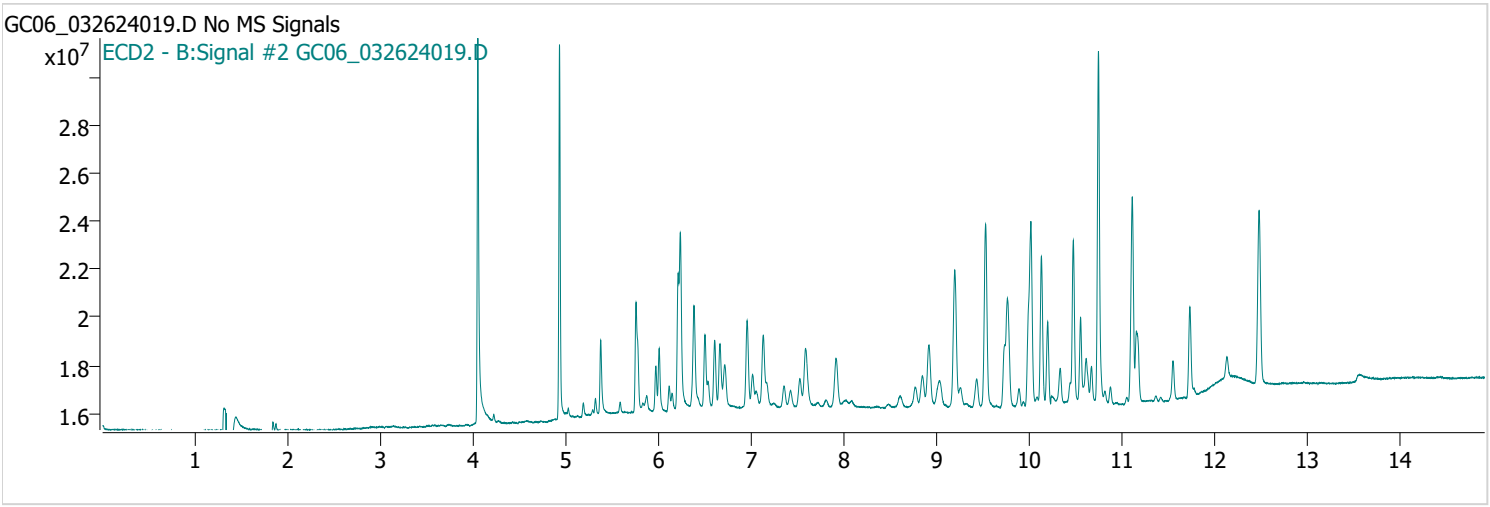
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	9.3032	12.49	0.00	11246894				



Quantitation Results Report (Not Reviewed)

Data File	GC06_032624019.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	3/26/2024 3:37:41 PM
Sample Name	ICAL, S20230	Instrument	SVOA-GC06
Vial	14	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_1.m	Comment	250 ppb PCB ICAL 5
Tune File	ATUNE.U	Tune Date	
Batch Name	032624_PCB.batch.bin	Last Calib Update	3/27/2024 10:44:12 AM
Ref Library			



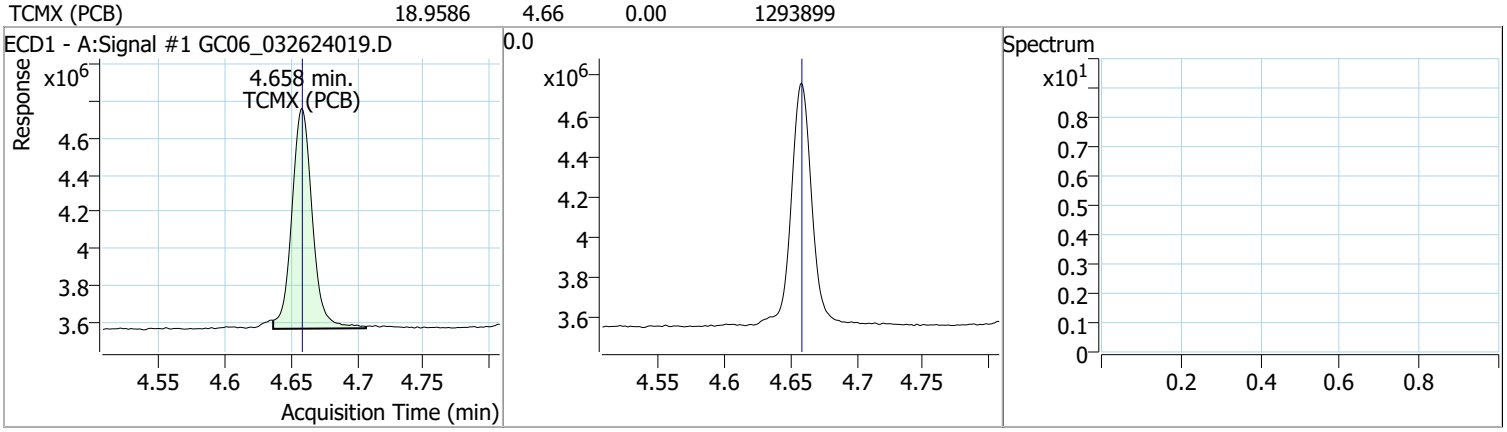


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.894	0.0	1515931.652	20.0000	ng/ml	0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.053	0.0	20096905.077	20.0000	ng/ml	0.000
System Monitoring Compounds						
S TCMX (PCB)	4.658	0.0	1293898.830	18.9586	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.79%		
S TCMX (PCB) #2	4.934	0.0	16685939.526	19.1471	ng/ml	0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.74%		
S Decachlorobiphenyl (PCB)	11.458	0.0	1709961.304	18.9482	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 94.74%		
S Decachlorobiphenyl (PCB) #2	12.488	0.0	15617134.690	19.0090	ng/ml	-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 95.04%		
Target Compounds						QValue

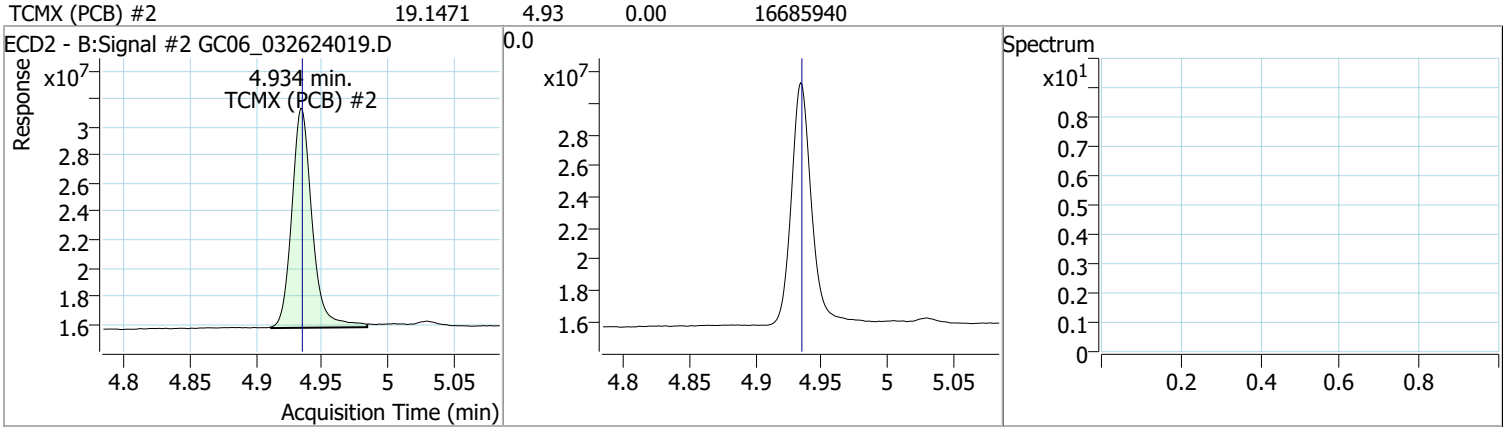
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.987	0.0	392694.073	240.9751	ng/ml		100
T AR1016 2	5.298	0.0	766521.076	256.2095	ng/ml	m	100
T AR1016 1 #2	5.379	0.0	4466069.658	240.4899	ng/ml		100
T AR1016 3	5.724	0.0	910802.282	236.6802	ng/ml	m	100
T AR1016 2 #2	5.761	0.0	8869551.424	238.7355	ng/ml		100
T AR1016 4	5.849	0.0	648811.660	238.8021	ng/ml		100
T AR1016 3 #2	6.238	0.0	13010804.745	252.8408	ng/ml	m	100
T AR1016 5	6.249	0.0	551730.678	242.3826	ng/ml	m	100
T AR1016 4 #2	6.386	0.0	8198353.518	241.0215	ng/ml		100
T AR1016 5 #2	6.960	0.0	6484700.497	227.7434	ng/ml		100
T AR1260 1	7.856	0.0	1125128.110	242.6811	ng/ml		100
T AR1260 2	8.363	0.0	1725015.729	243.2122	ng/ml		100
T AR1260 3	8.920	0.0	1740703.650	232.8604	ng/ml	m	100
T AR1260 1 #2	9.202	0.0	13254986.518	235.6440	ng/ml		100
T AR1260 4	9.509	0.0	1026315.403	238.6722	ng/ml	m	100
T AR1260 2 #2	9.535	0.0	15917788.847	232.6300	ng/ml		100
T AR1260 3 #2	10.024	0.0	19683999.298	233.2890	ng/ml		100
T AR1260 5	10.293	0.0	1170573.363	235.5530	ng/ml	m	100
T AR1260 4 #2	10.483	0.0	12039704.869	229.4665	ng/ml		100
T AR1260 5 #2	11.119	0.0	16379875.072	231.8480	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

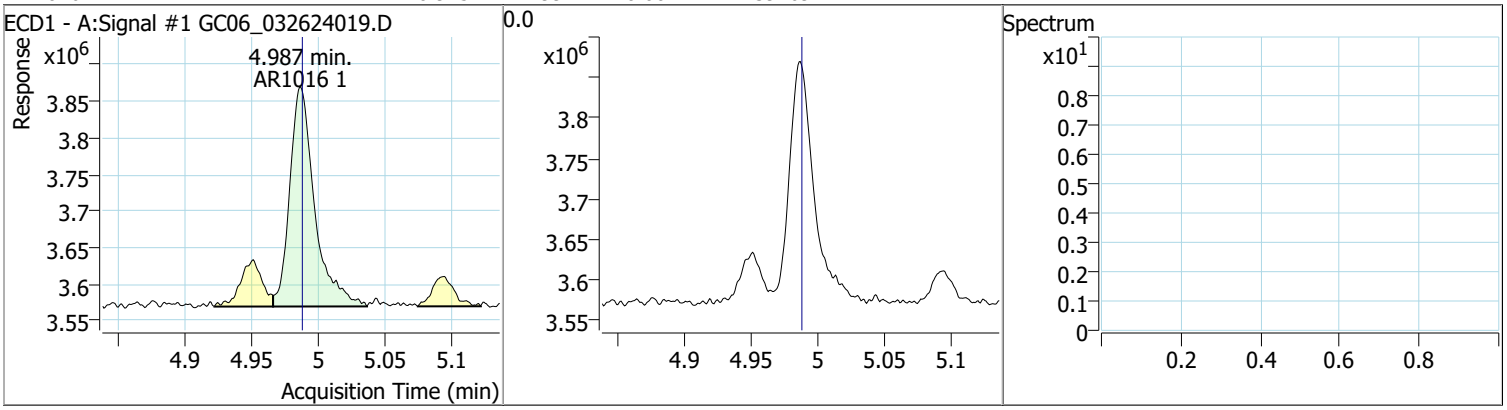
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	18.9586	4.66	0.00	1293899				



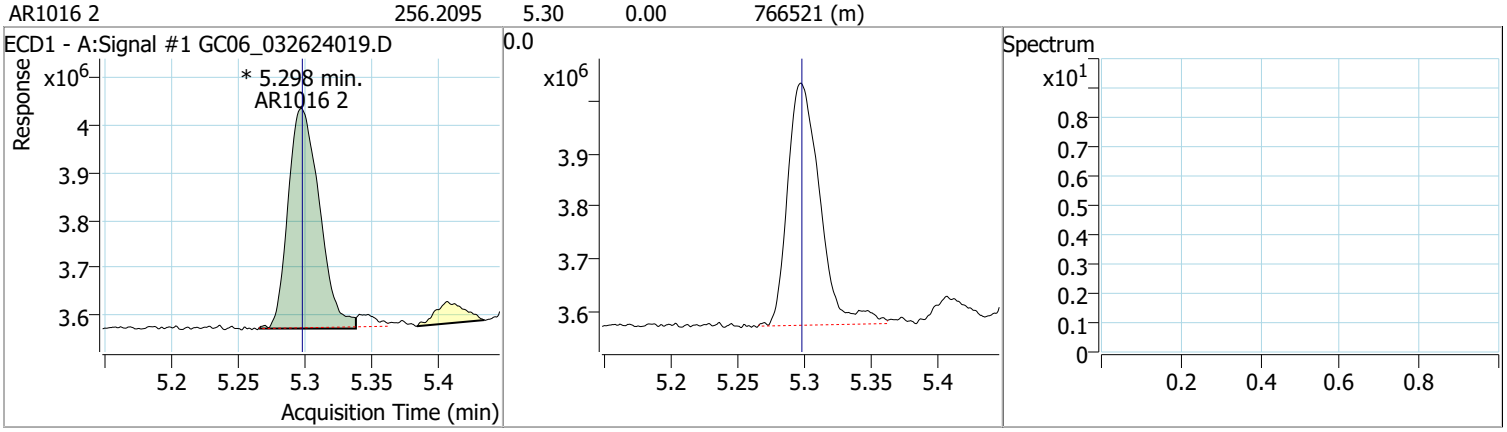
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	19.1471	4.93	0.00	16685940				



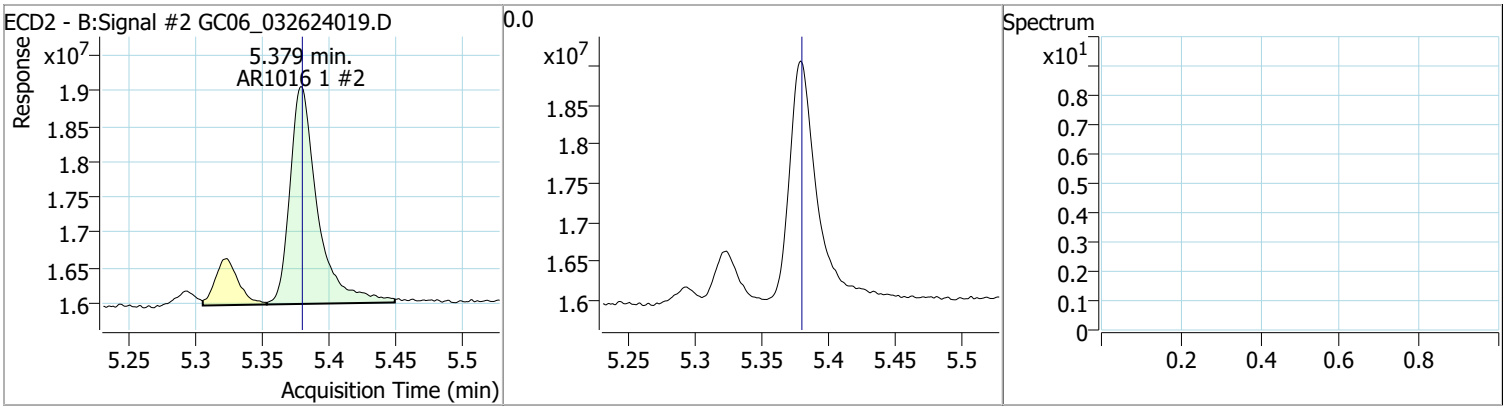
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	240.9751	4.99	0.00	392694				



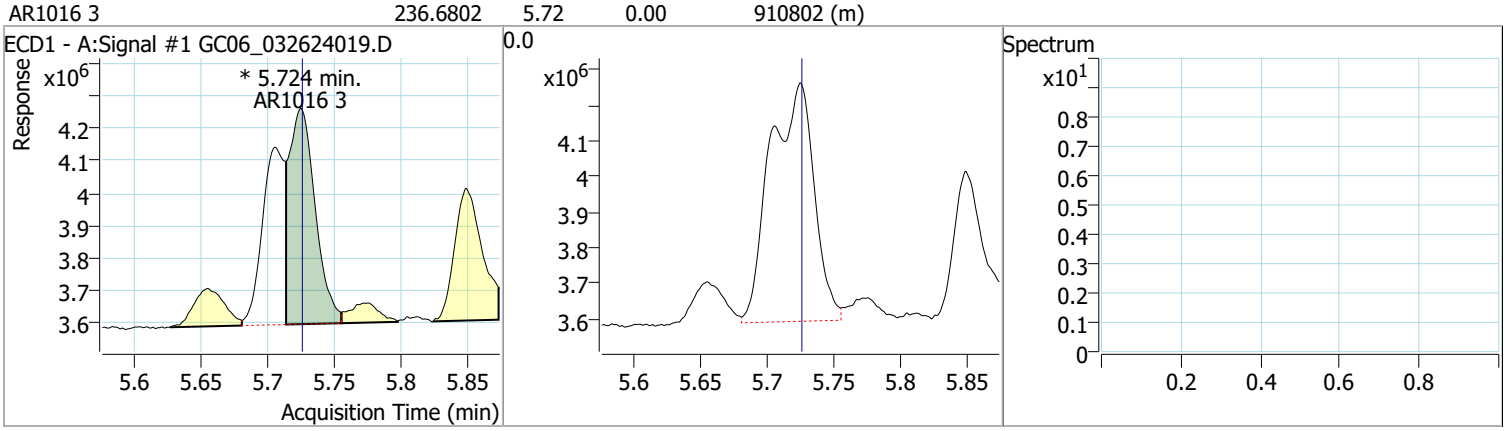
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	256.2095	5.30	0.00	766521 (m)				



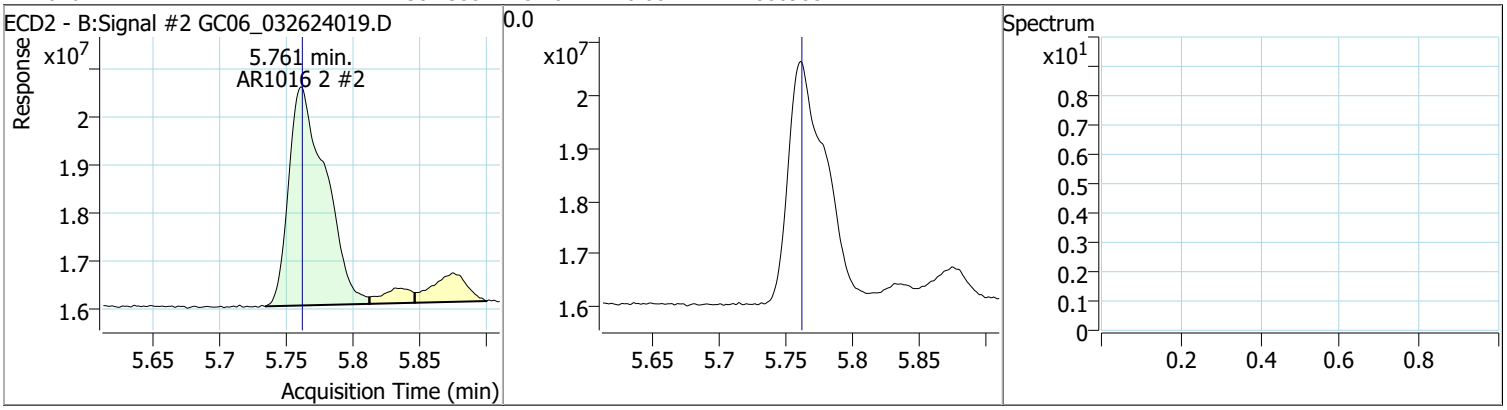
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	240.4899	5.38	0.00	4466070				



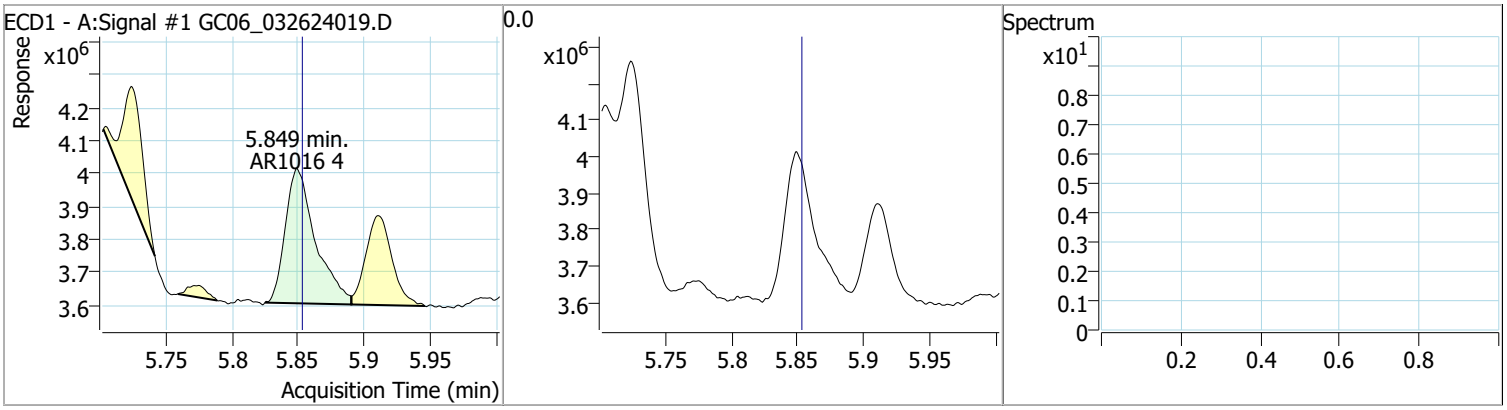
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	236.6802	5.72	0.00	910802 (m)				



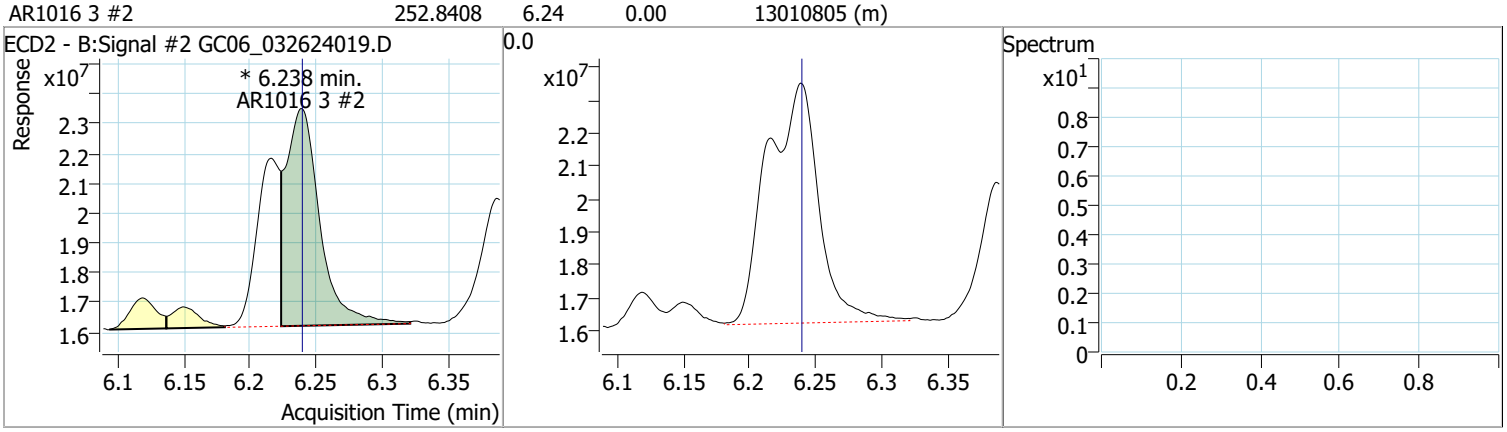
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	238.7355	5.76	0.00	8869551				



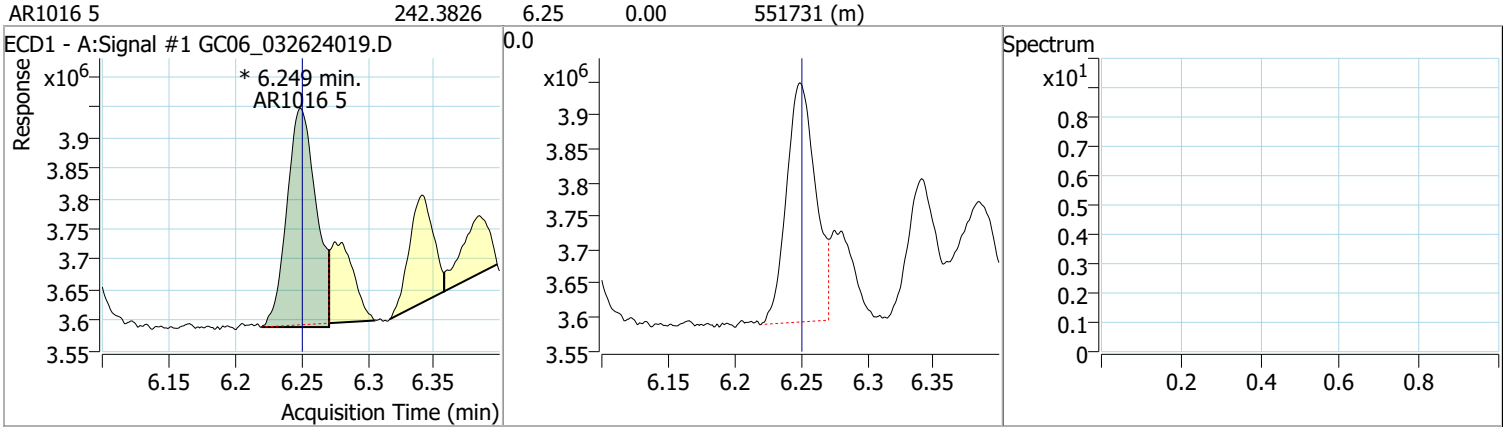
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	238.8021	5.85	0.00	648812				



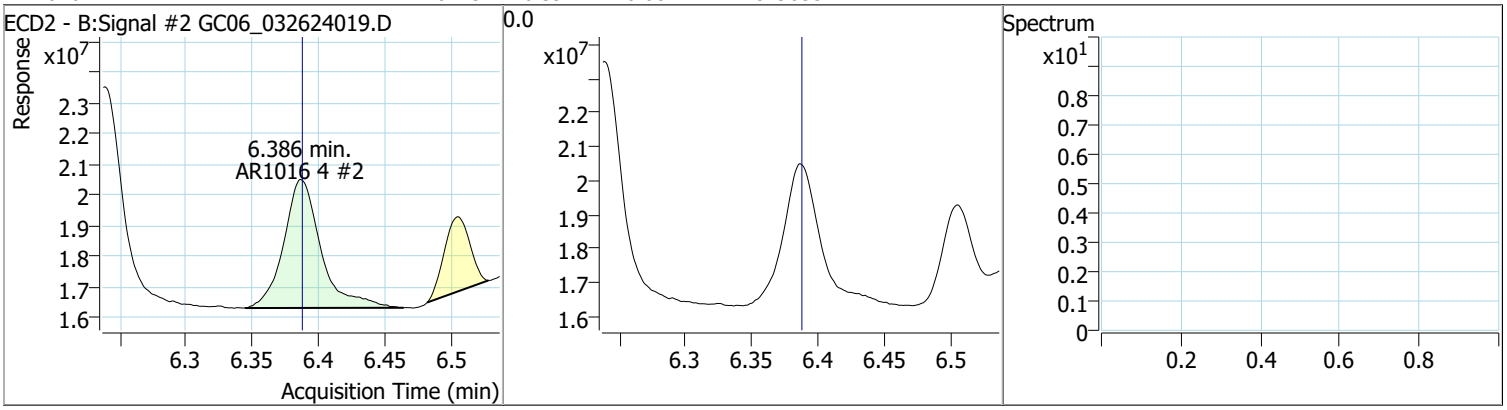
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	252.8408	6.24	0.00	13010805 (m)				



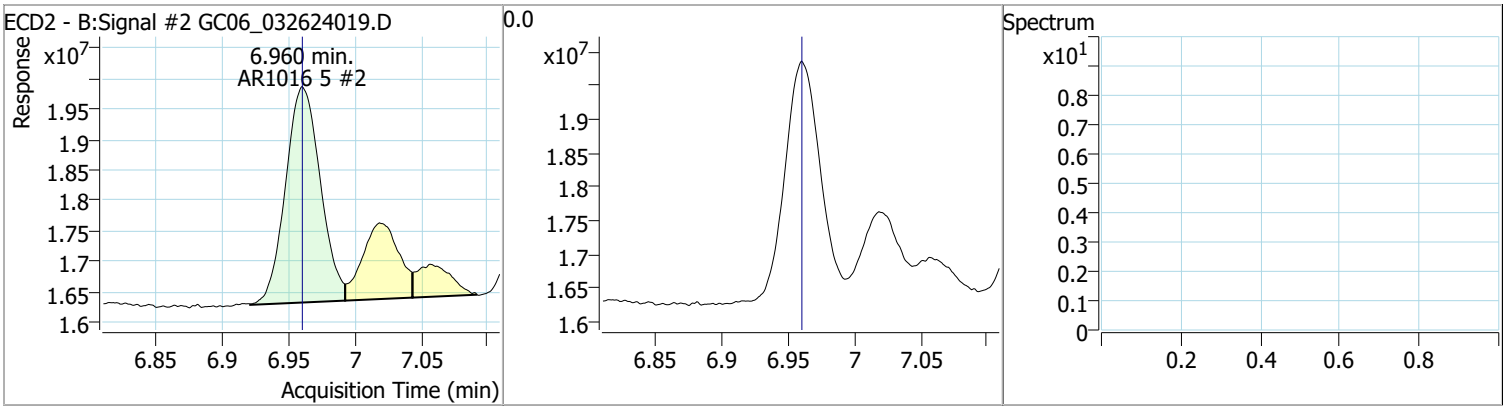
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	242.3826	6.25	0.00	551731 (m)				



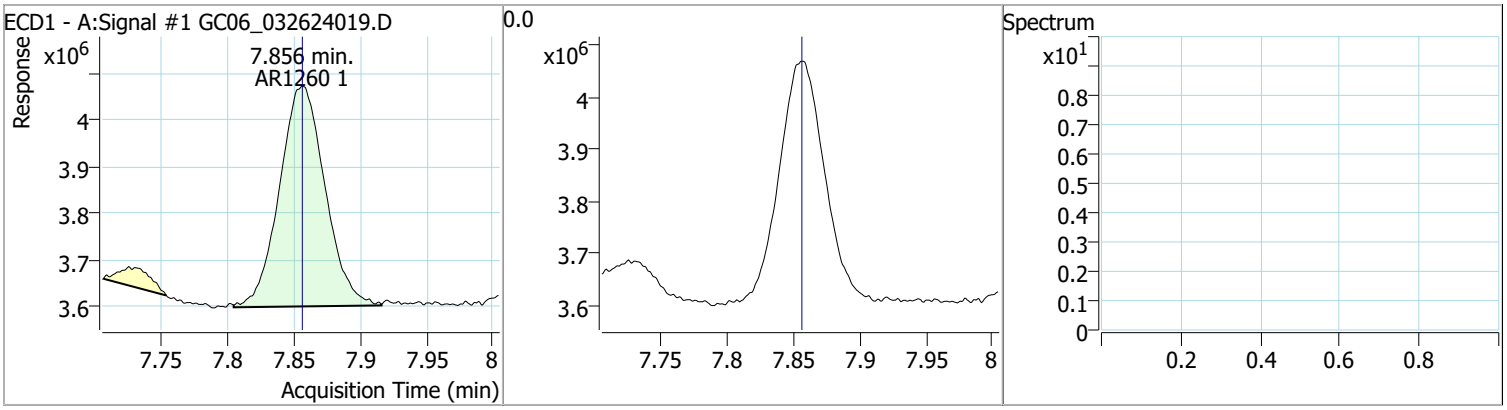
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	241.0215	6.39	0.00	8198354				



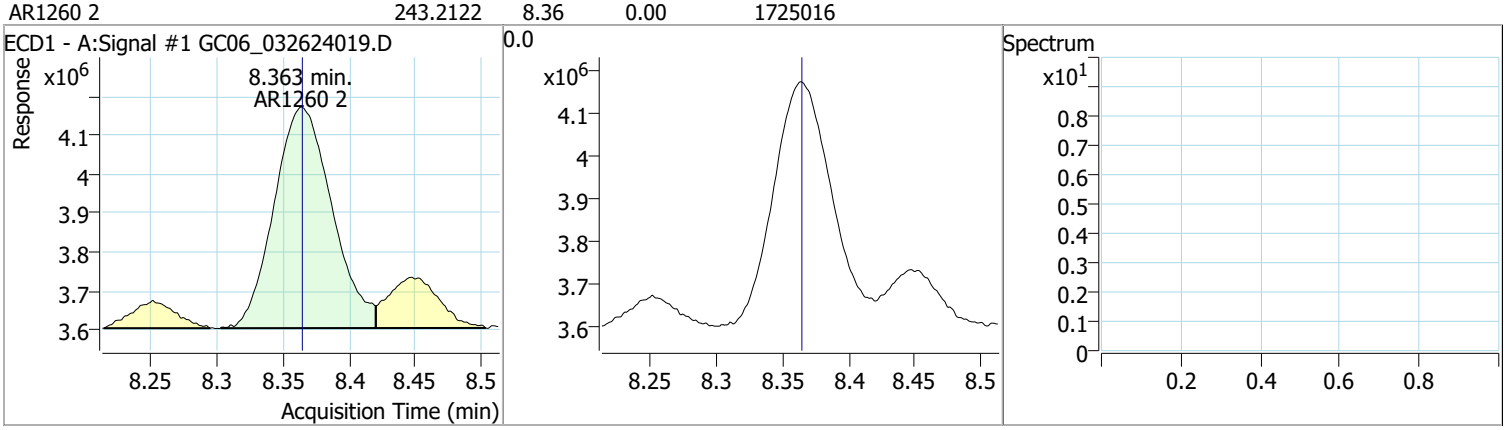
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	227.7434	6.96	0.00	6484700				



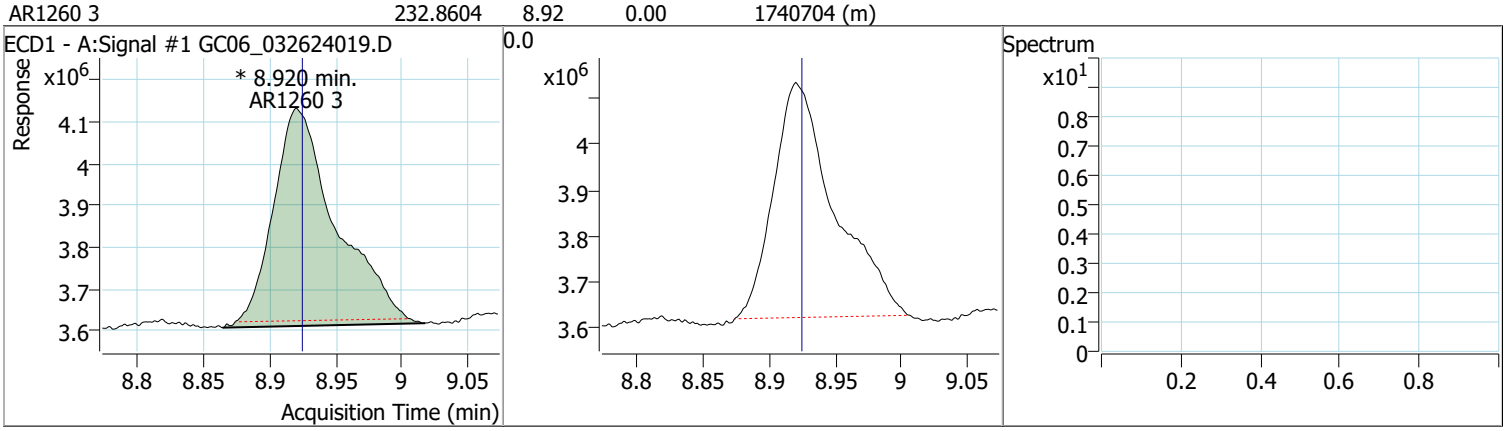
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	242.6811	7.86	0.00	1125128				



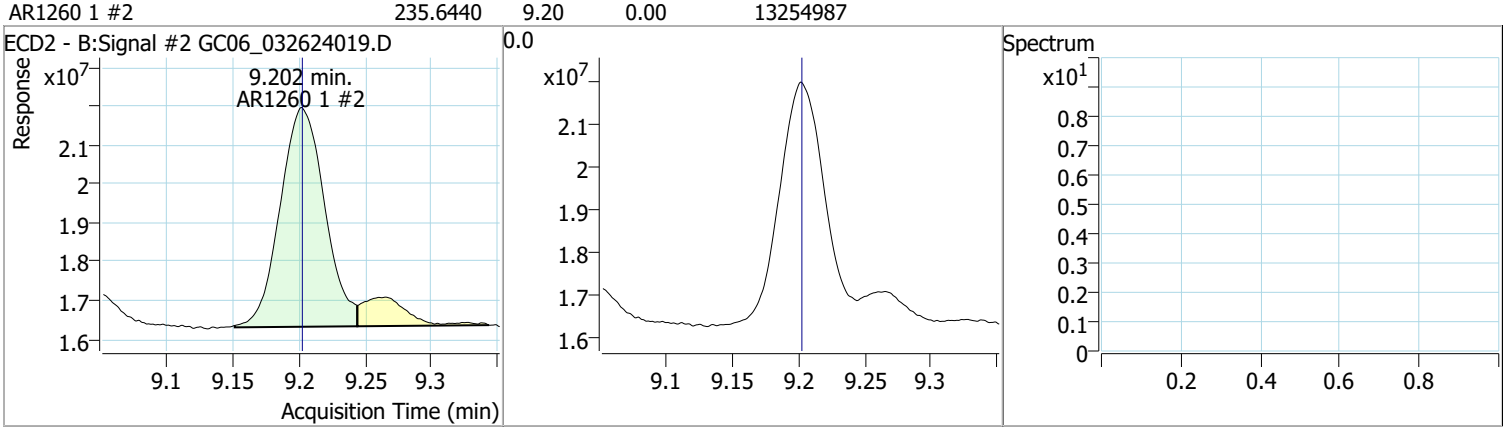
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	243.2122	8.36	0.00	1725016				



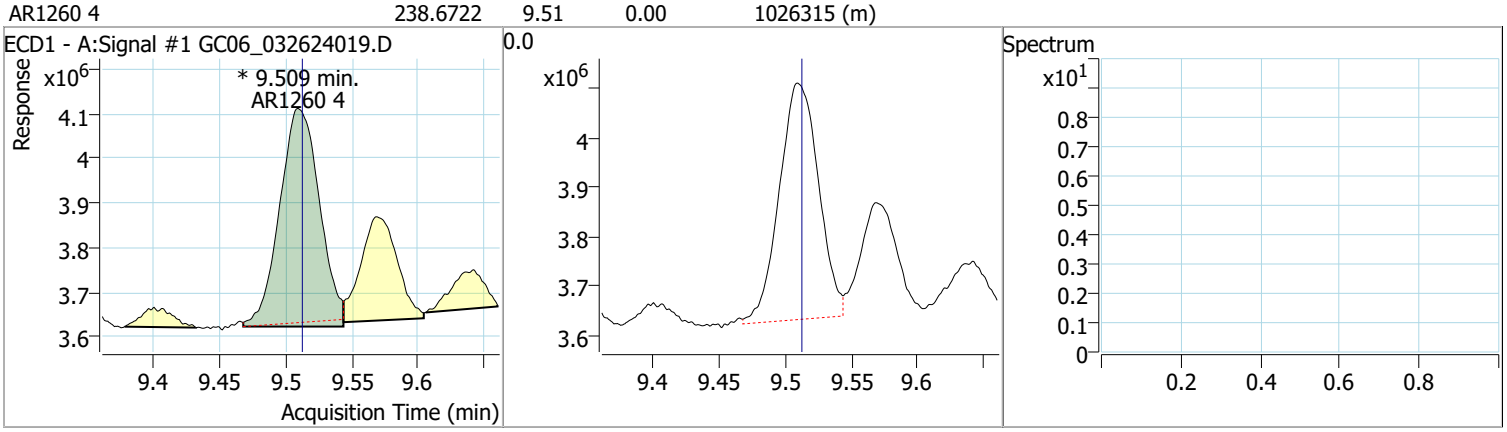
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	232.8604	8.92	0.00	1740704 (m)				



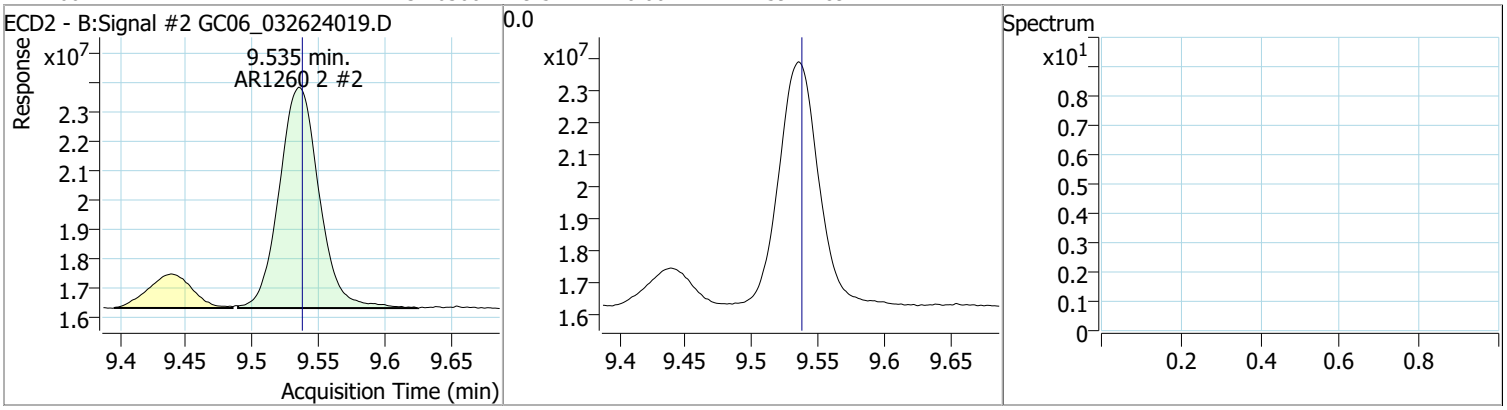
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	235.6440	9.20	0.00	13254987				



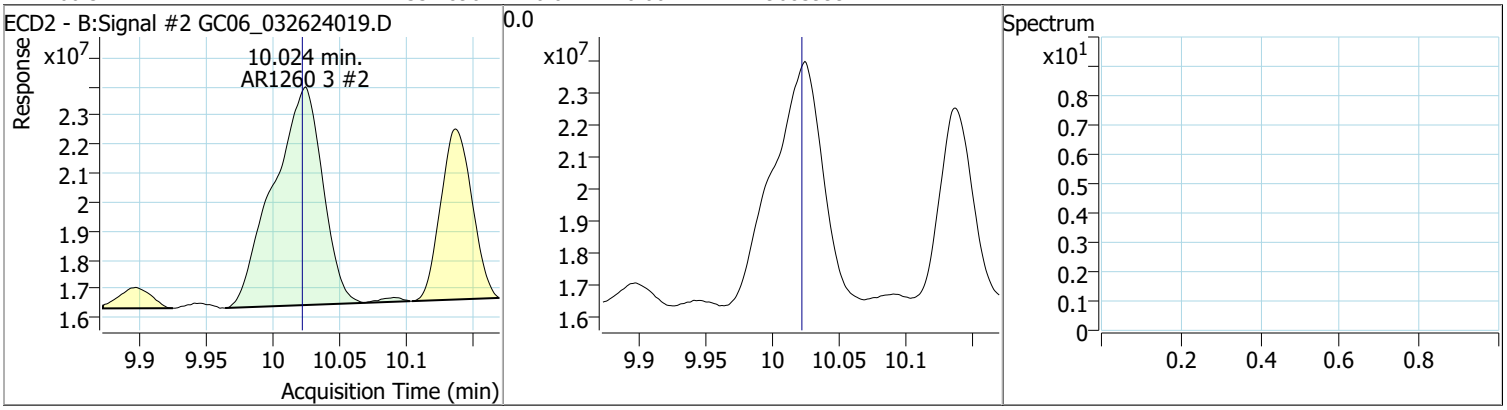
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	238.6722	9.51	0.00	1026315 (m)				



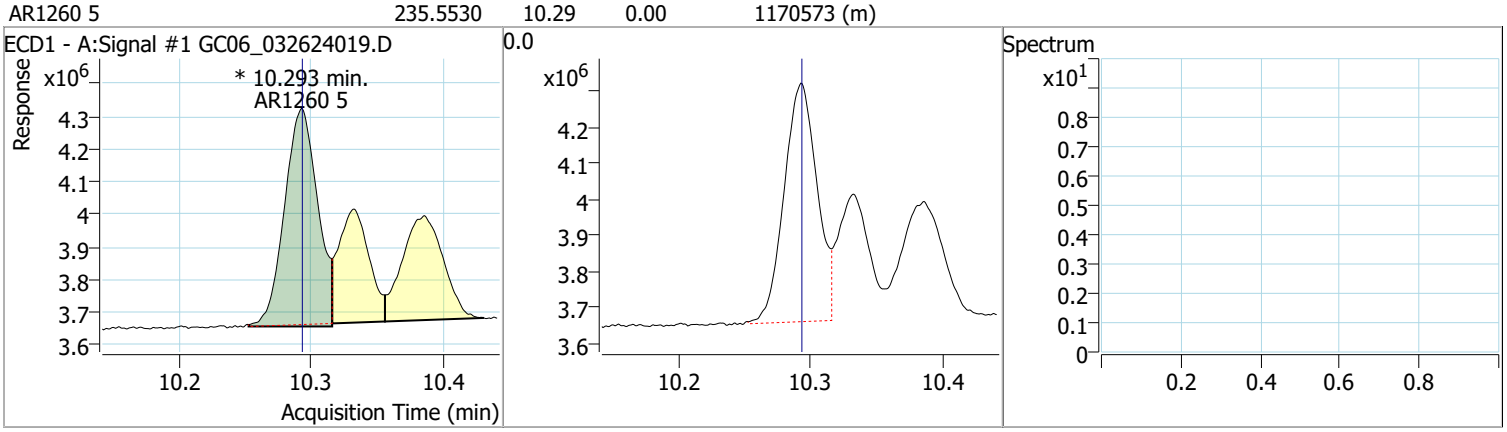
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	232.6300	9.54	0.00	15917789				



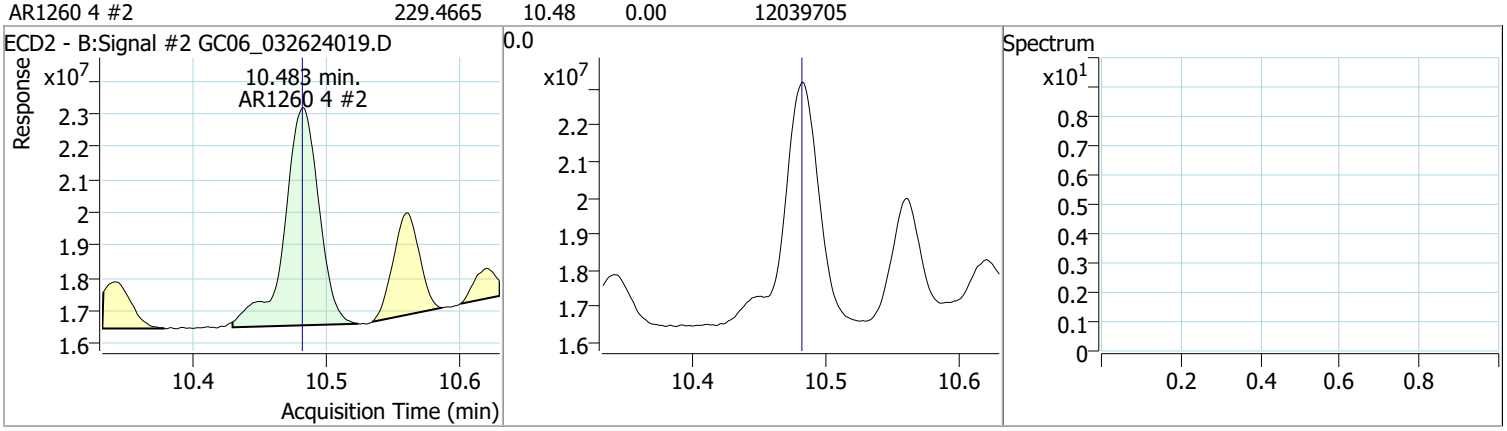
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	233.2890	10.02	0.00	19683999				



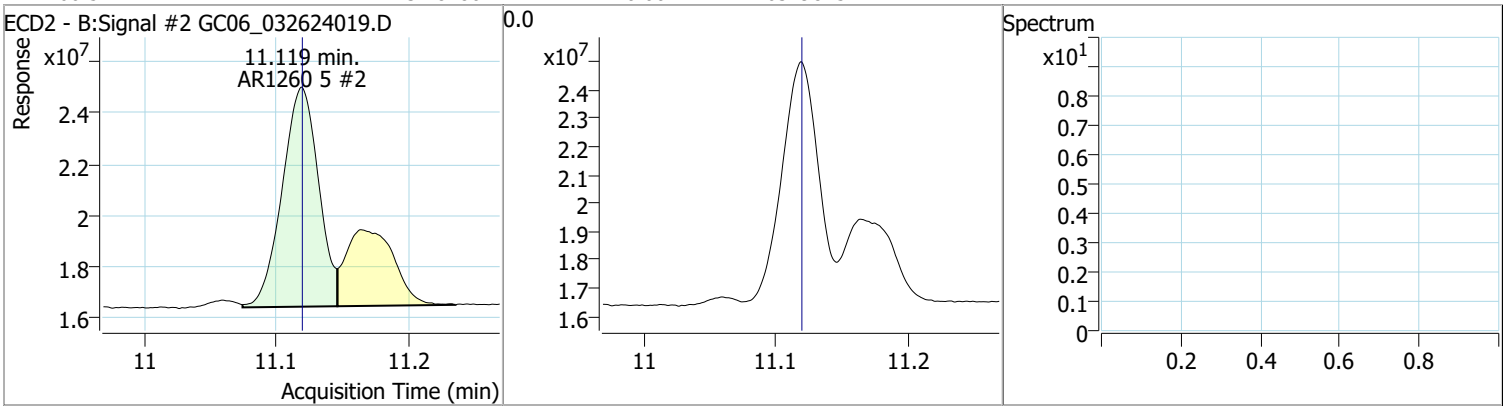
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	235.5530	10.29	0.00	1170573 (m)				



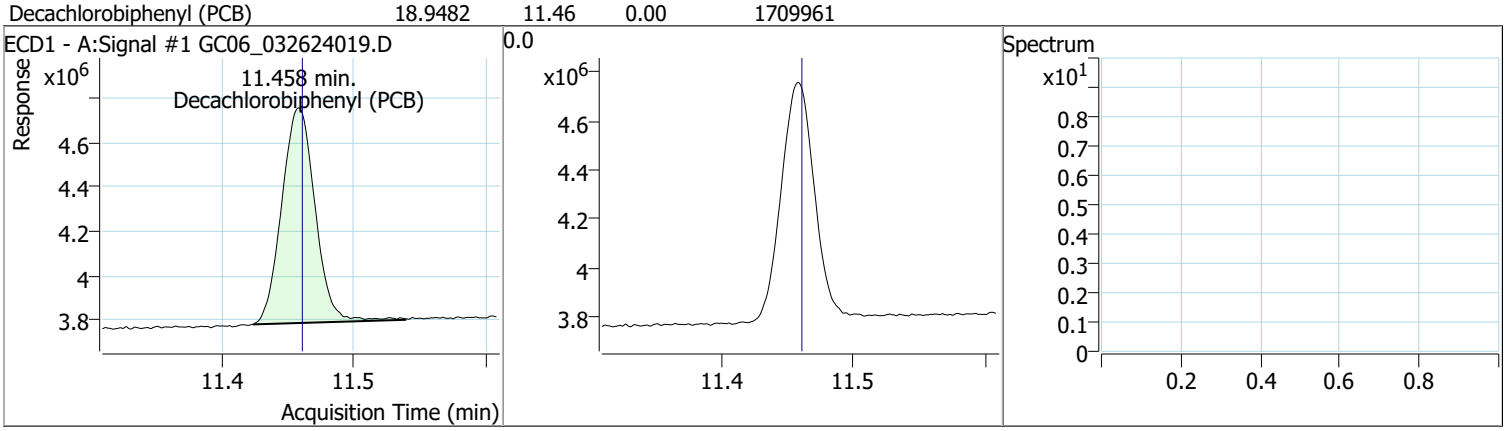
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	229.4665	10.48	0.00	12039705				



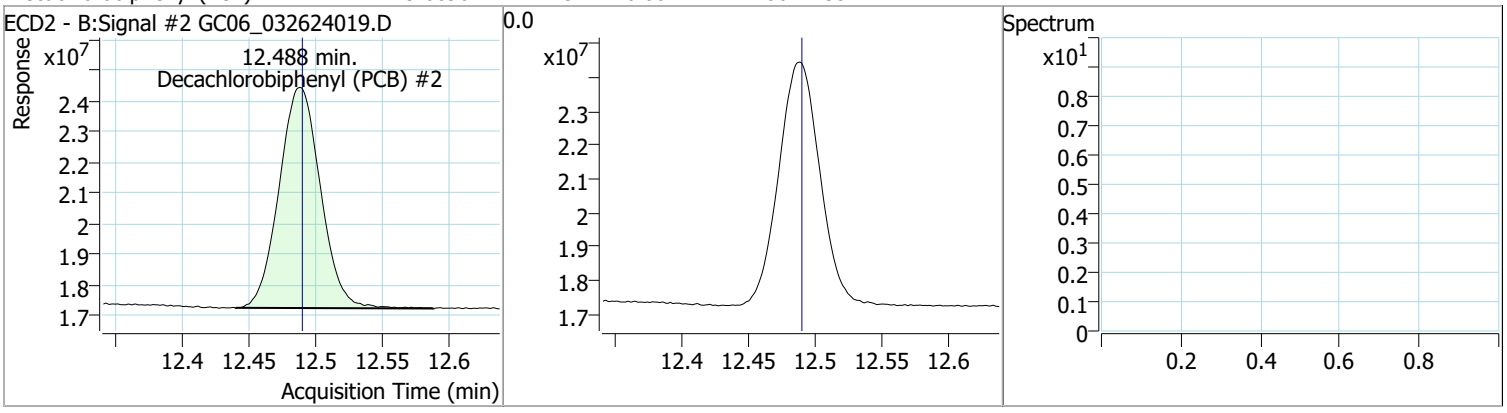
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	231.8480	11.12	0.00	16379875				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	18.9482	11.46	0.00	1709961				

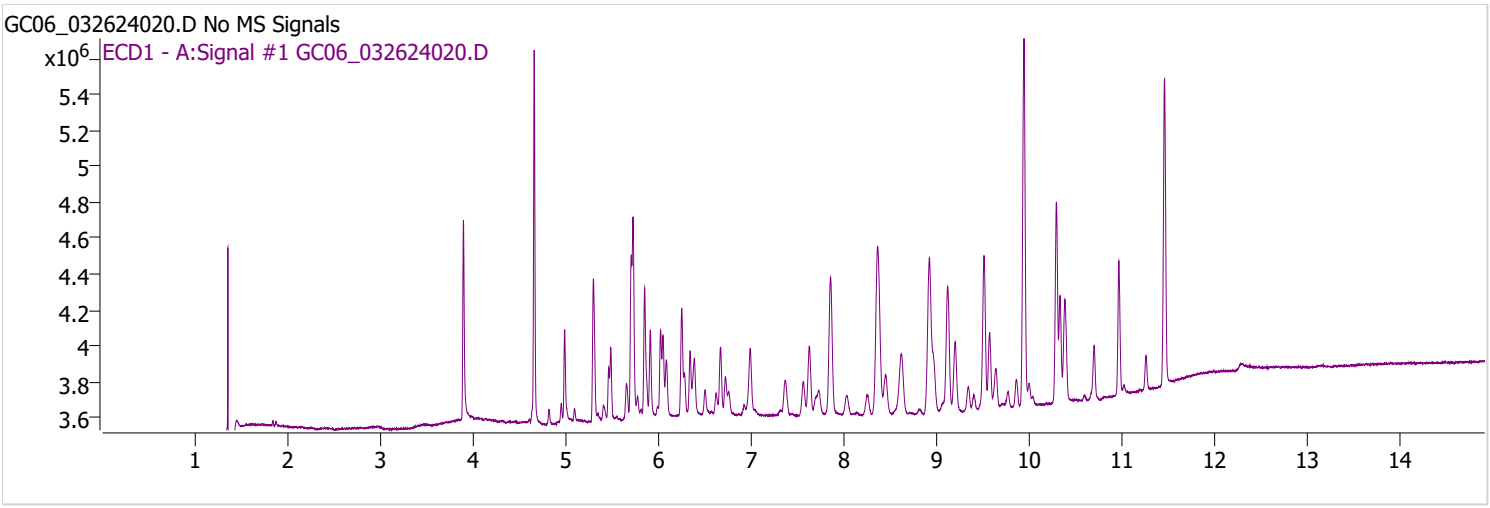


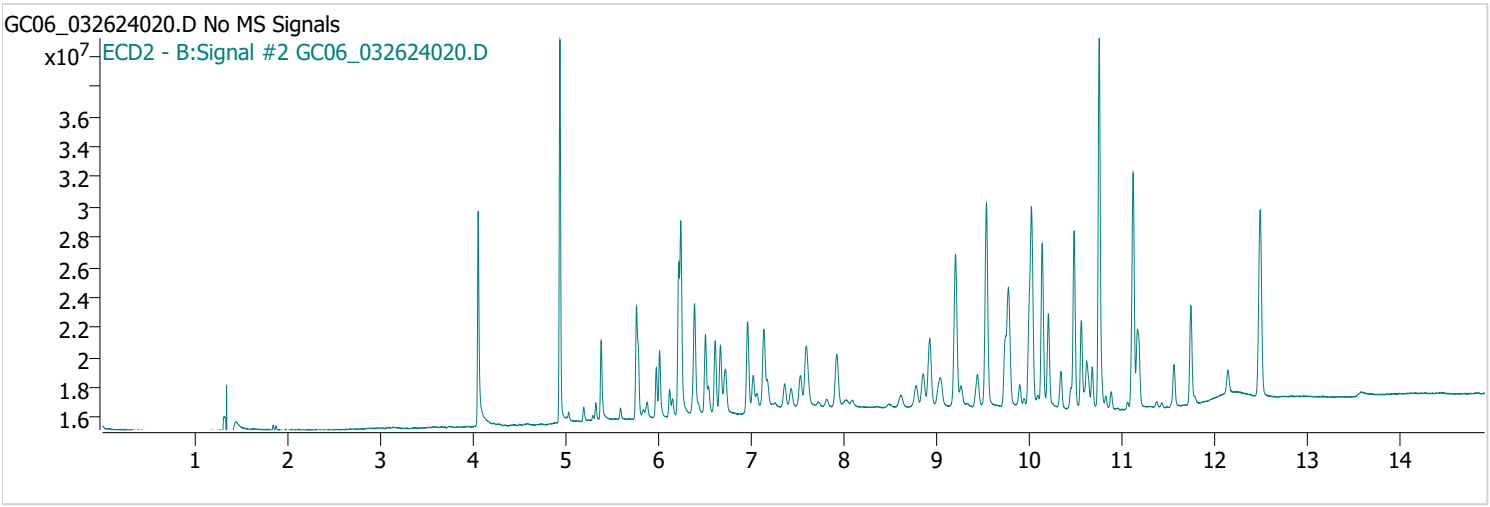
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	19.0090	12.49	0.00	15617135				



Quantitation Results Report (Not Reviewed)

Data File	GC06_032624020.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	3/26/2024 3:57:04 PM
Sample Name	ICAL, S20231	Instrument	SVOA-GC06
Vial	15	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_1.m	Comment	500 ppb PCB ICAL 6
Tune File	ATUNE.U	Tune Date	
Batch Name	032624_PCB.batch.bin	Last Calib Update	3/27/2024 10:44:12 AM
Ref Library			



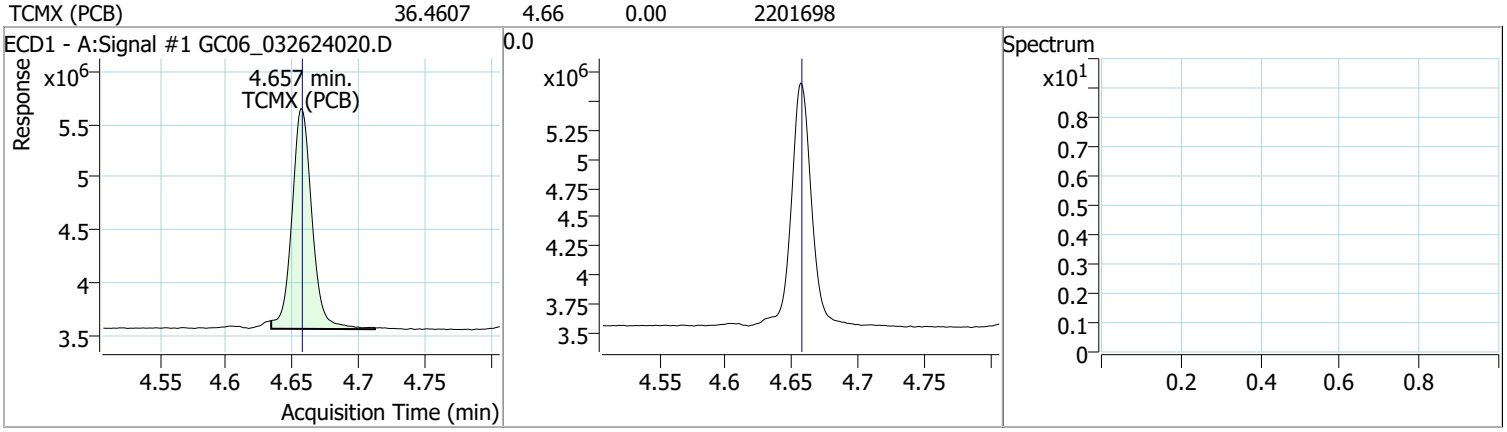


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.893	0.0	1341272.686	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.053	0.0	17850754.144	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.657	0.0	2201698.119	36.4607	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.30%		*	
S TCMX (PCB) #2	4.934	0.0	28277230.536	36.5310	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.65%		*	
S Decachlorobiphenyl (PCB)	11.458	0.0	2918312.782	36.5490	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.74%		*	
S Decachlorobiphenyl (PCB) #2	12.489	0.0	27362762.479	37.4965	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 187.48%		*	
Target Compounds							QValue

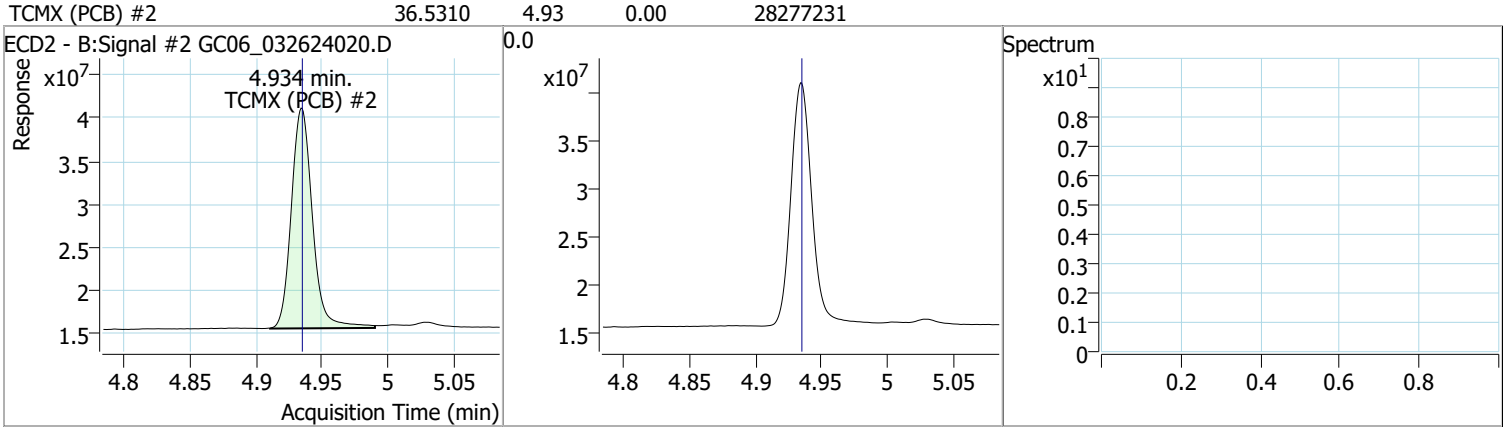
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.986	0.0	679853.485	471.5152	ng/ml		100
T AR1016 2	5.296	0.0	1268126.836	479.0670	ng/ml	m	100
T AR1016 1 #2	5.379	0.0	7378344.917	447.3041	ng/ml		100
T AR1016 3	5.723	0.0	1576646.520	463.0573	ng/ml	m	100
T AR1016 2 #2	5.761	0.0	14907120.820	451.7329	ng/ml		100
T AR1016 4	5.848	0.0	1091129.061	453.8978	ng/ml		100
T AR1016 3 #2	6.238	0.0	21293616.656	465.8703	ng/ml		100
T AR1016 5	6.248	0.0	939318.595	466.3906	ng/ml	m	100
T AR1016 4 #2	6.387	0.0	14930130.589	494.1575	ng/ml		100
T AR1016 5 #2	6.959	0.0	11222481.361	443.7285	ng/ml	m	100
T AR1260 1	7.853	0.0	1855623.923	452.3624	ng/ml		100
T AR1260 2	8.362	0.0	2845780.880	453.4781	ng/ml		100
T AR1260 3	8.922	0.0	3034208.040	458.7528	ng/ml	m	100
T AR1260 1 #2	9.202	0.0	22446950.434	449.2696	ng/ml		100
T AR1260 4	9.509	0.0	1760116.369	462.6206	ng/ml	m	100
T AR1260 2 #2	9.537	0.0	27914341.622	459.2858	ng/ml		100
T AR1260 3 #2	10.021	0.0	34190532.596	456.2043	ng/ml		100
T AR1260 5	10.290	0.0	1973106.489	448.7486	ng/ml	m	100
T AR1260 4 #2	10.481	0.0	20969710.750	449.9544	ng/ml		100
T AR1260 5 #2	11.118	0.0	28461837.001	453.5532	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

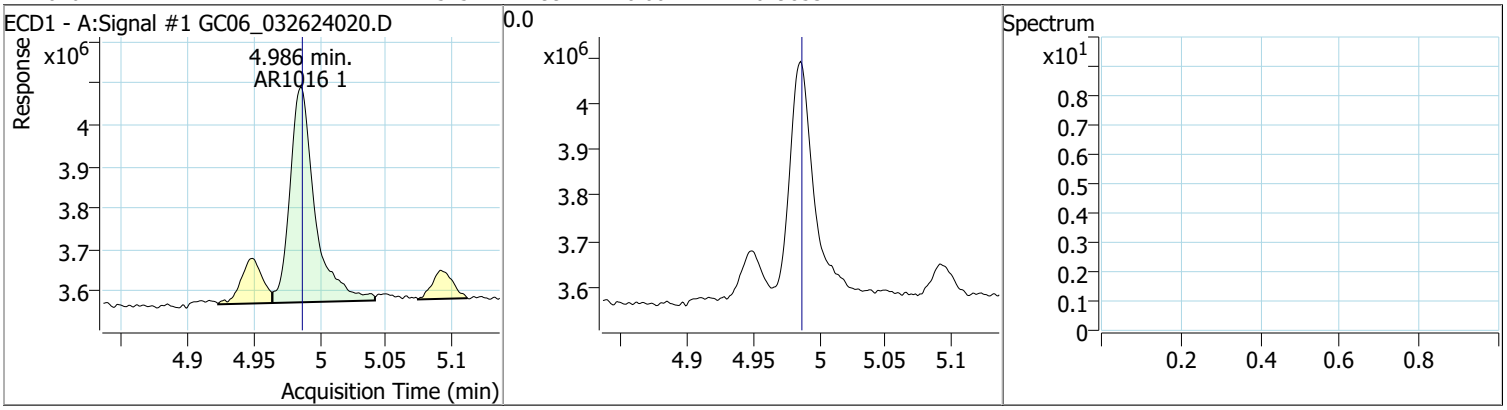
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	36.4607	4.66	0.00	2201698				



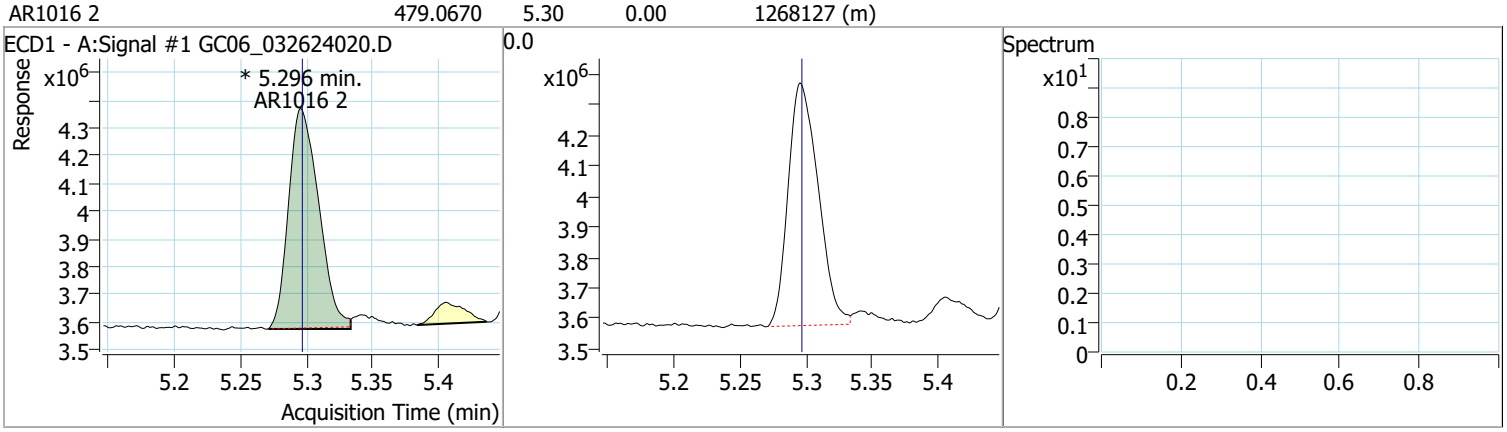
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	36.5310	4.93	0.00	28277231				



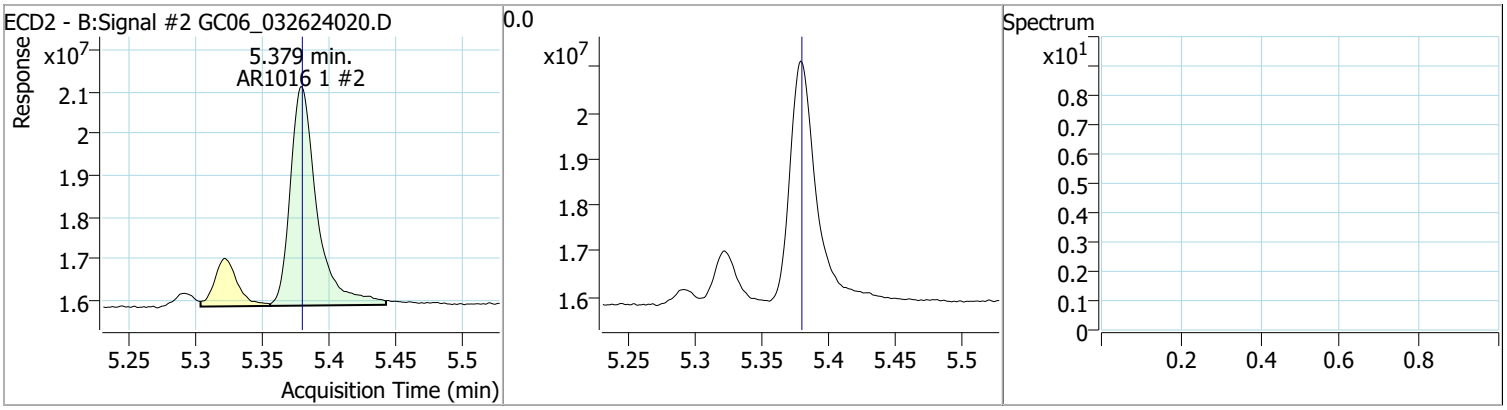
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	471.5152	4.99	0.00	679853				



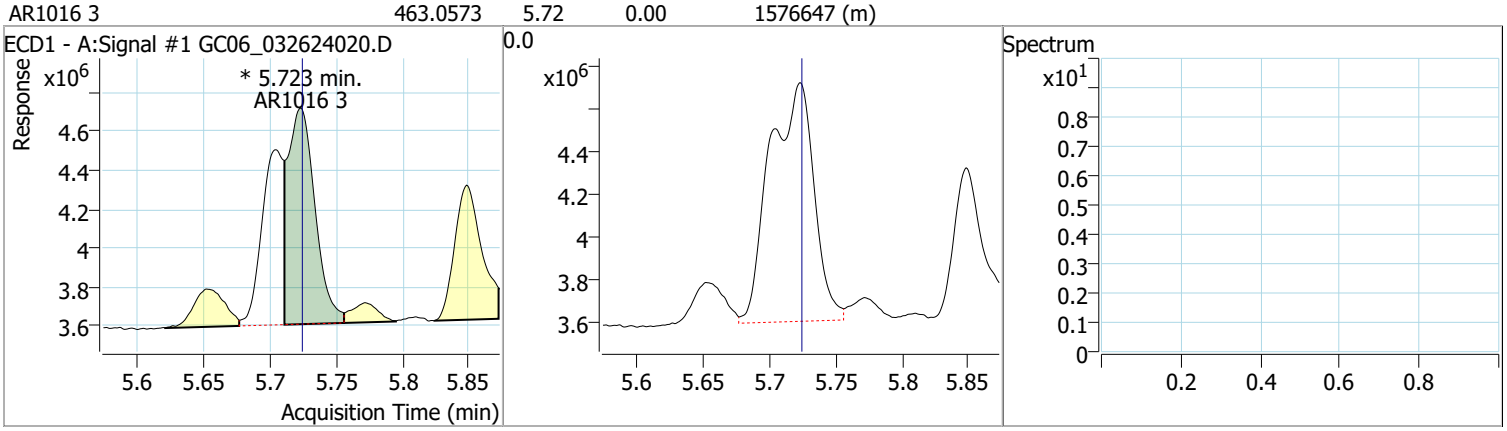
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	479.0670	5.30	0.00	1268127 (m)				



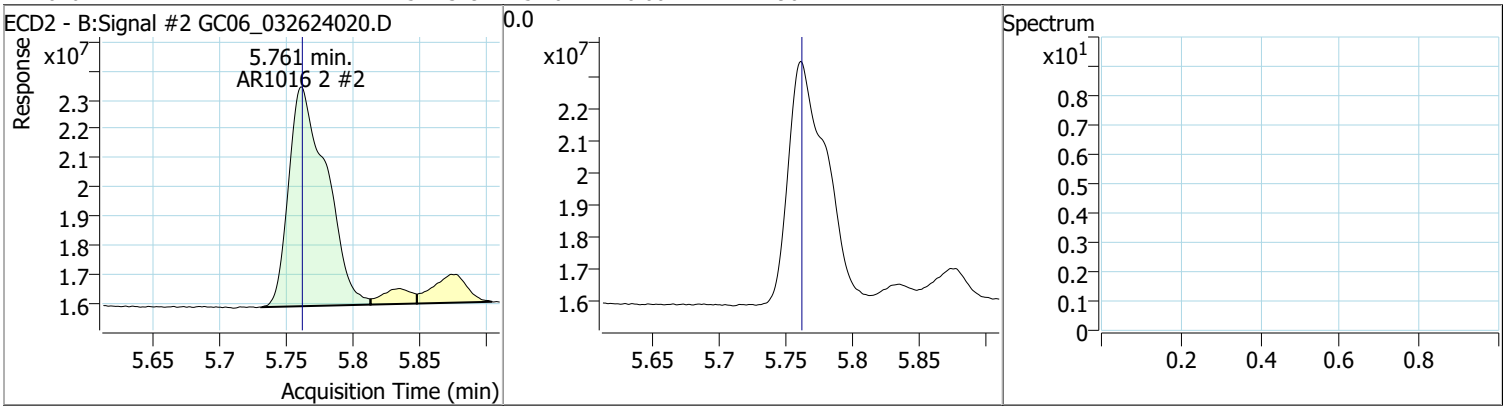
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	447.3041	5.38	0.00	7378345				



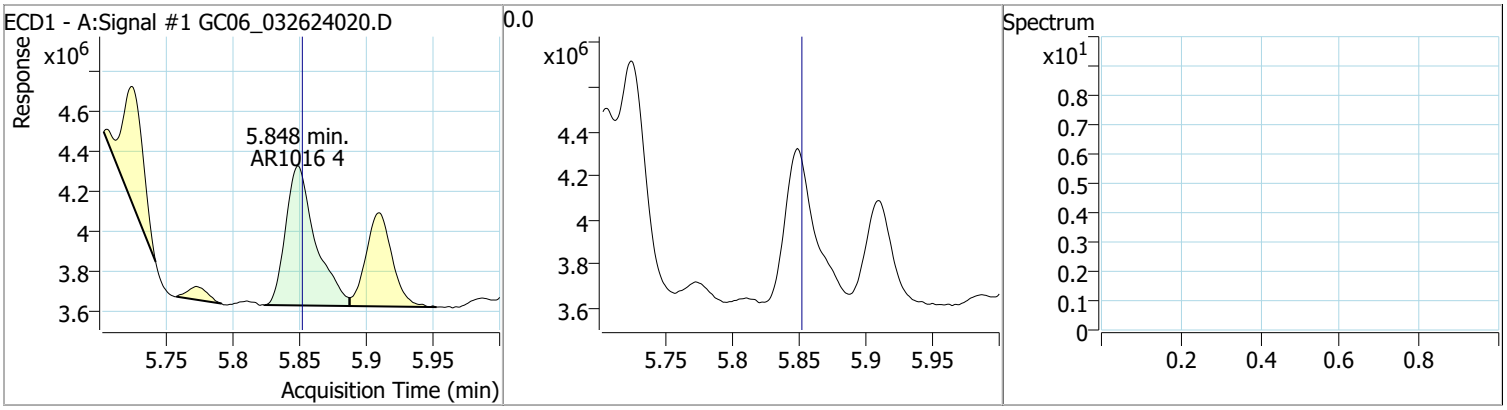
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	463.0573	5.72	0.00	1576647 (m)				



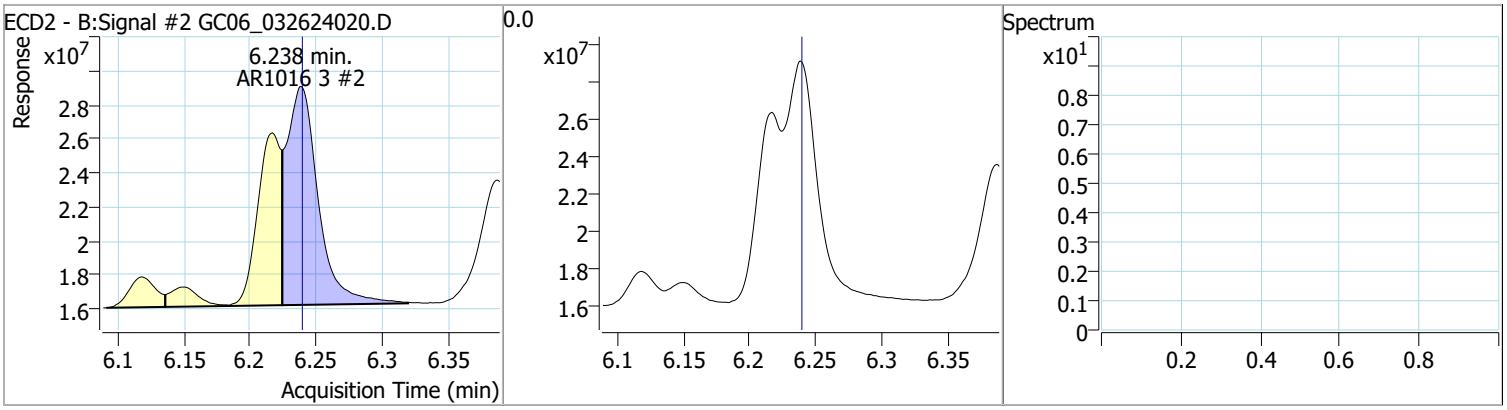
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	451.7329	5.76	0.00	14907121				



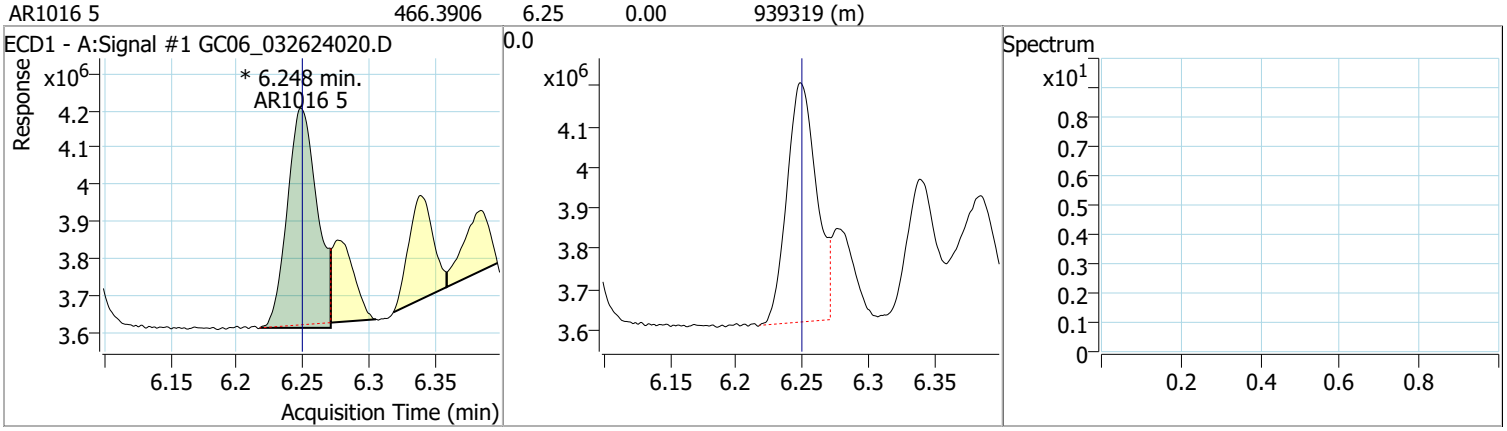
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	453.8978	5.85	0.00	1091129				



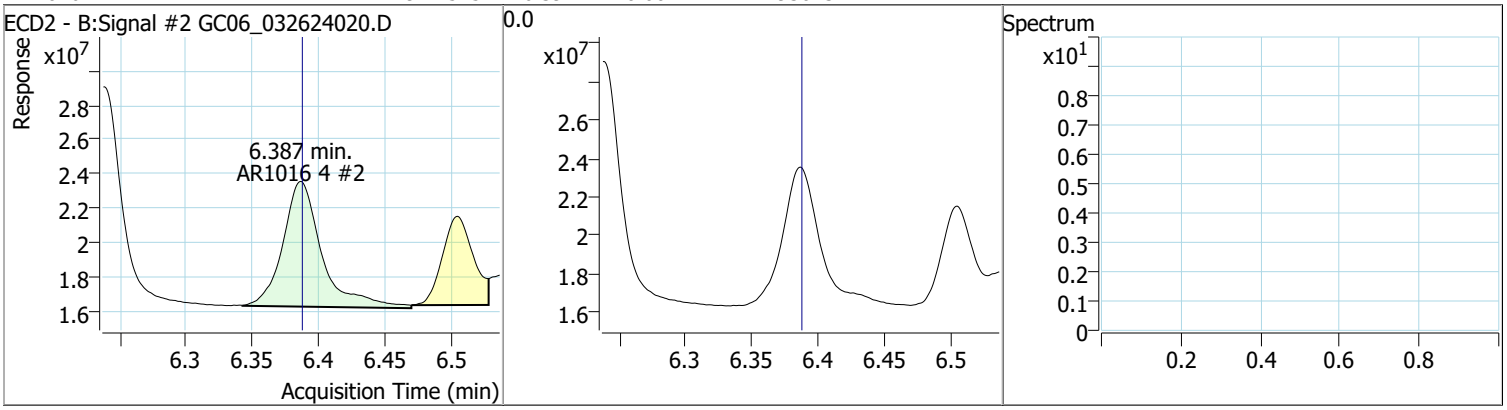
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	465.8703	6.24	0.00	21293617				



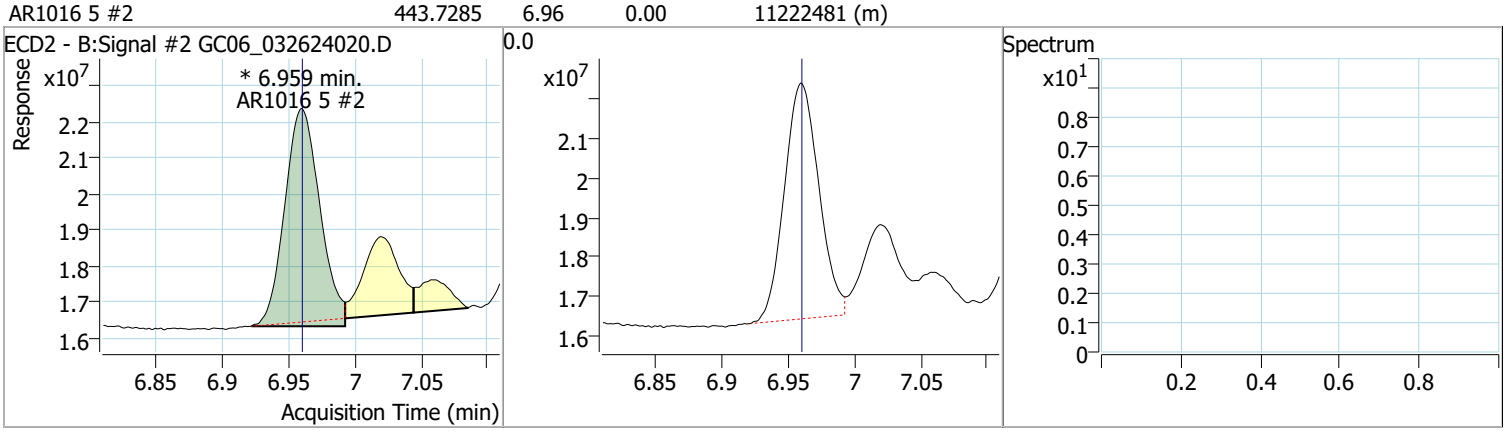
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	466.3906	6.25	0.00	939319 (m)				



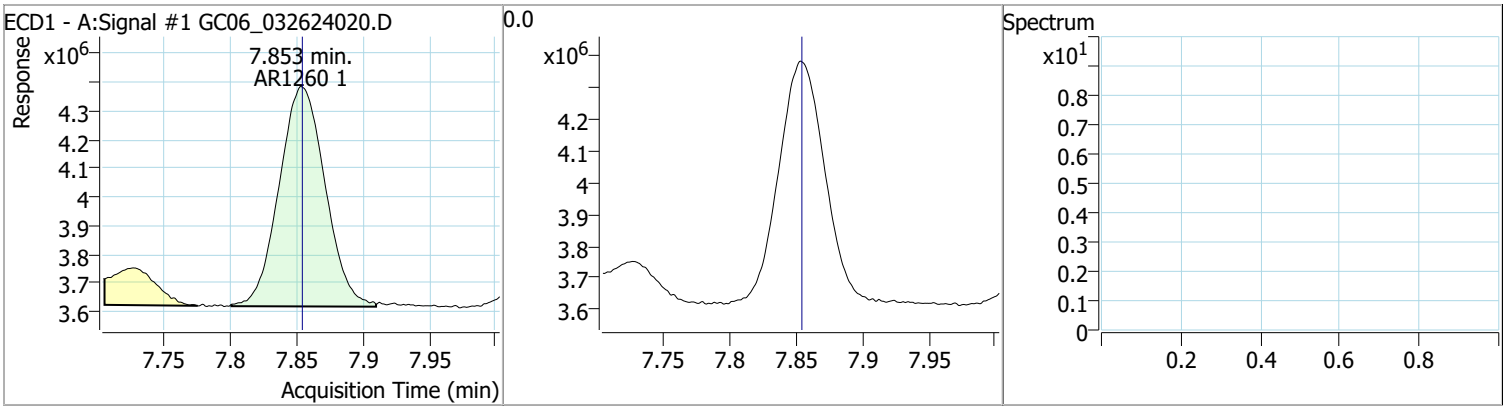
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	494.1575	6.39	0.00	14930131				



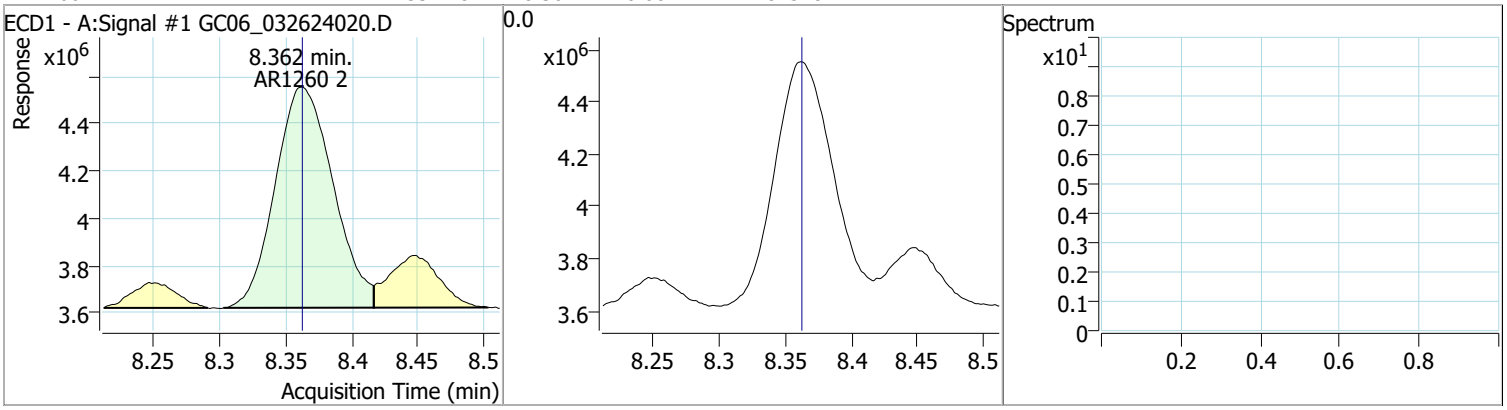
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	443.7285	6.96	0.00	11222481 (m)				



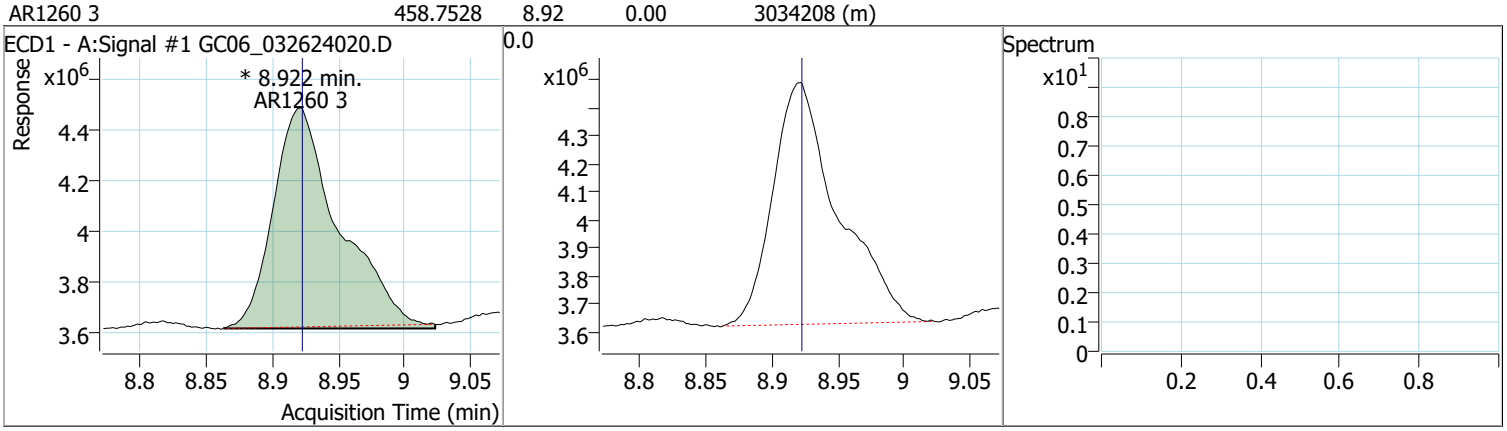
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	452.3624	7.85	0.00	1855624				



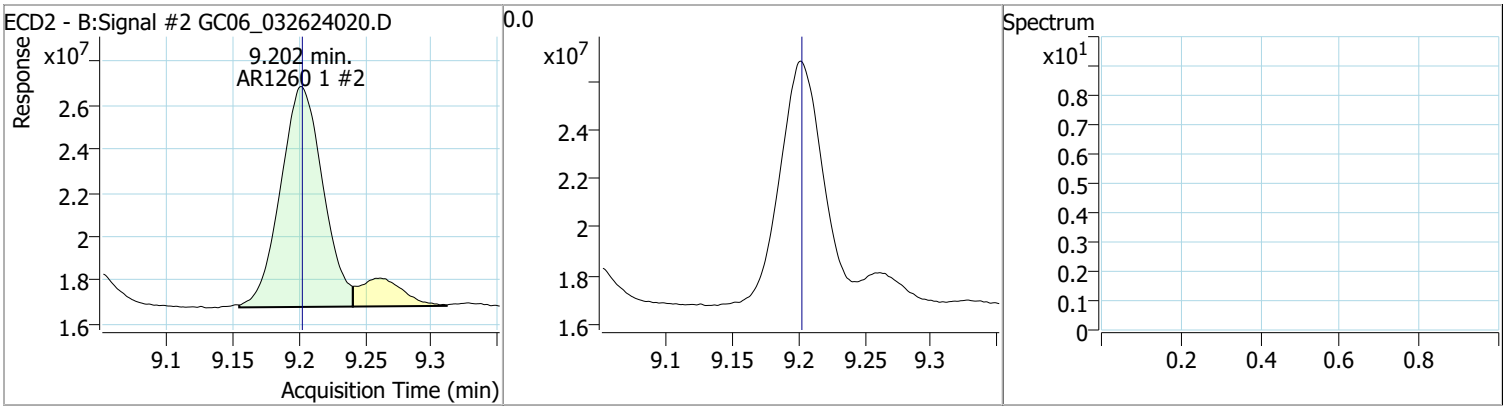
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	453.4781	8.36	0.00	2845781				



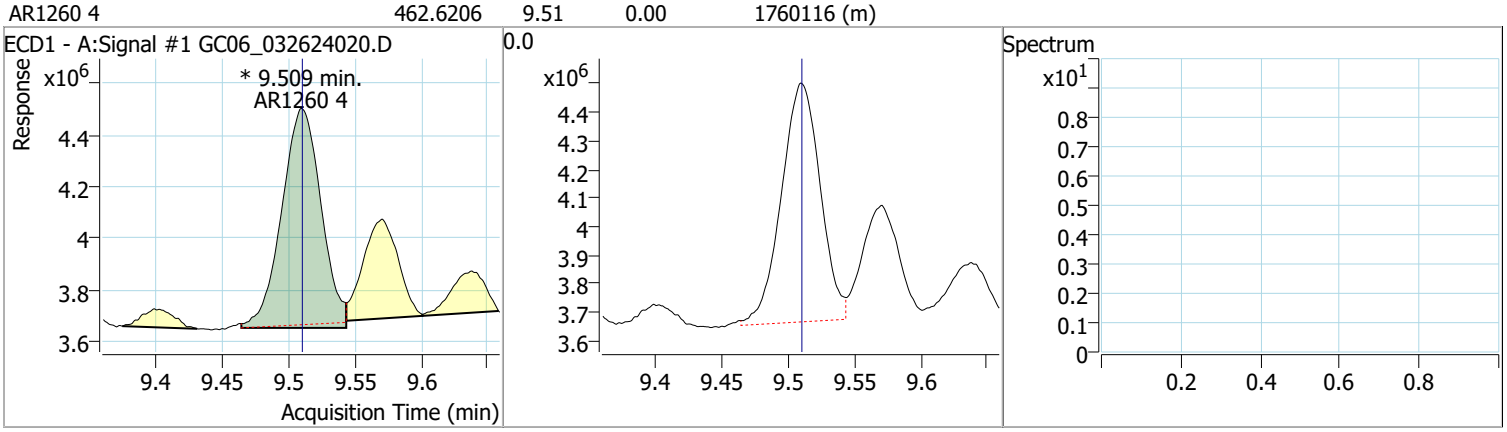
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	458.7528	8.92	0.00	3034208 (m)				



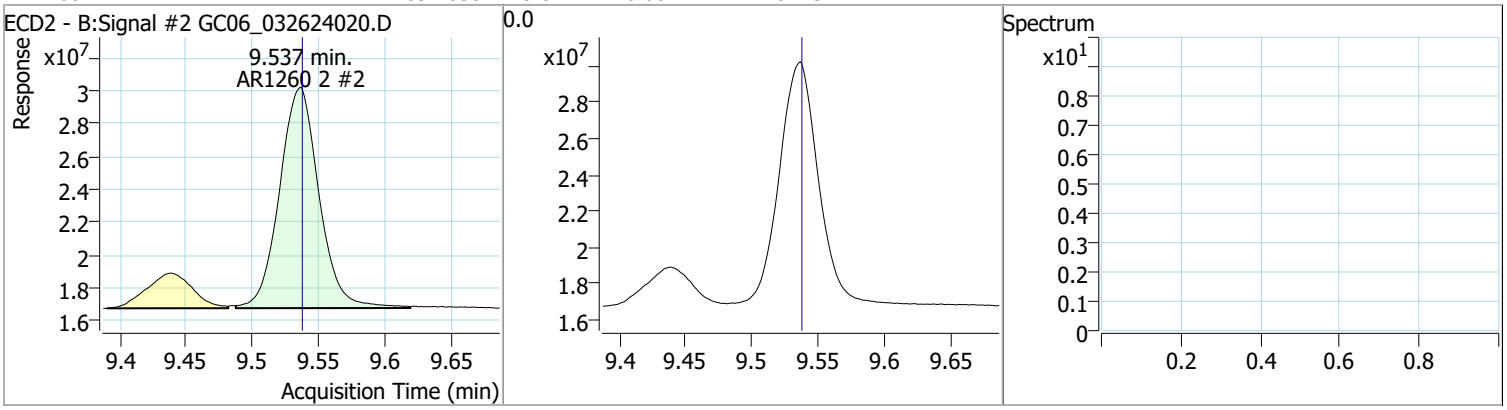
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	449.2696	9.20	0.00	22446950				



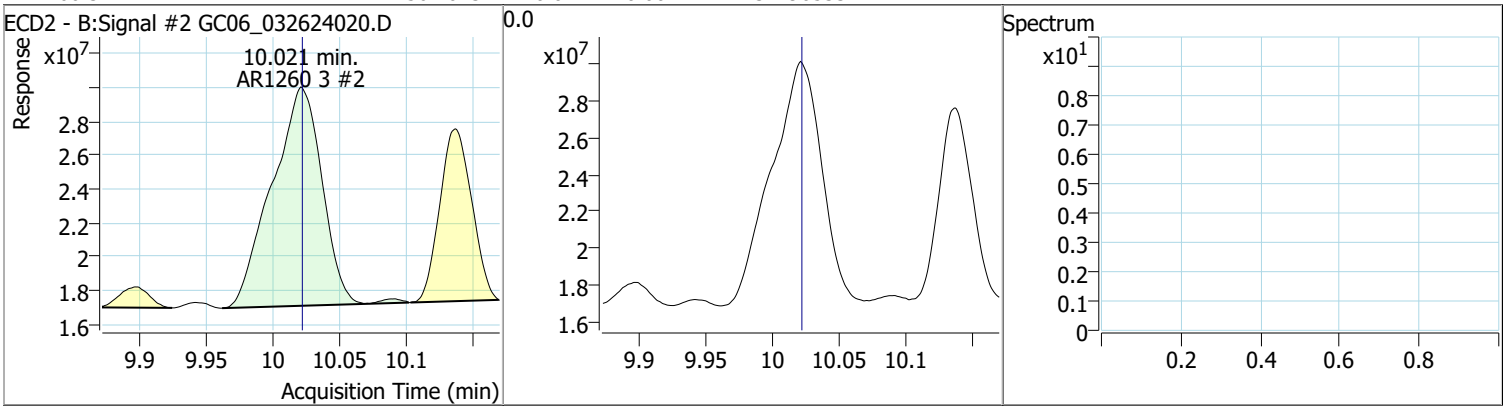
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	462.6206	9.51	0.00	1760116 (m)				



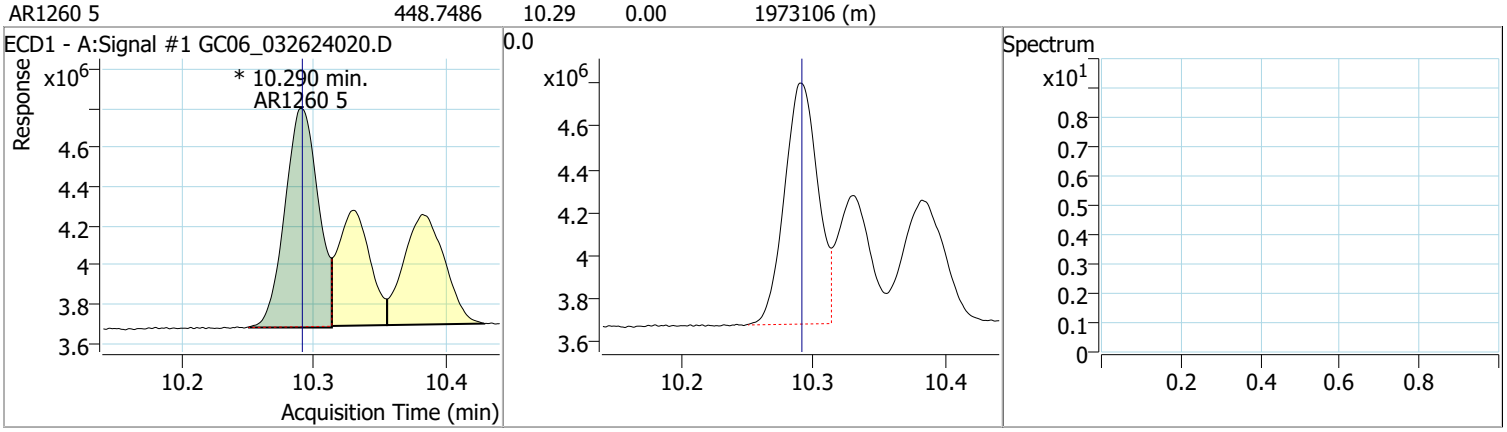
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	459.2858	9.54	0.00	27914342				



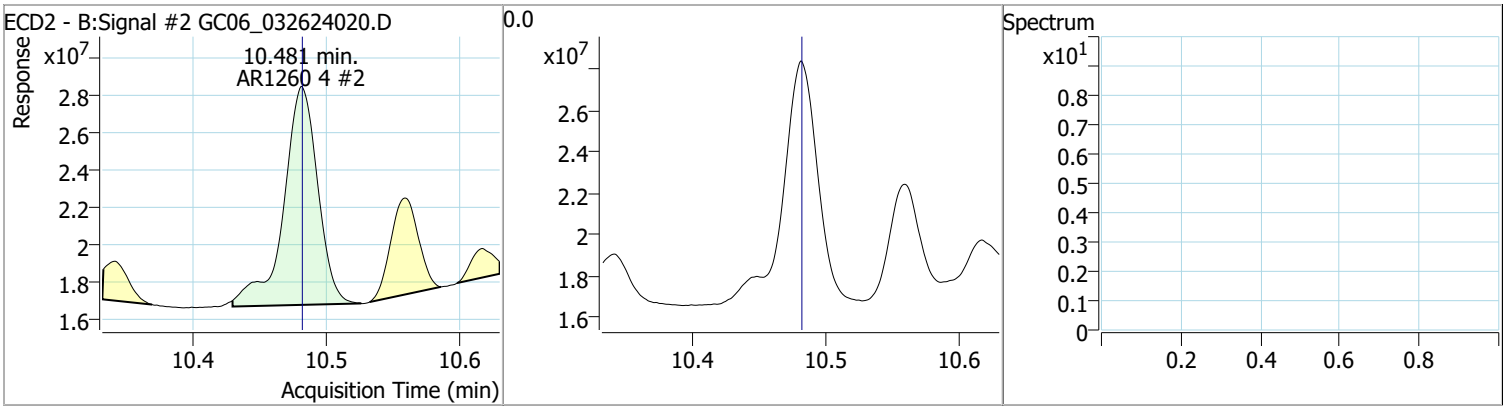
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	456.2043	10.02	0.00	34190533				



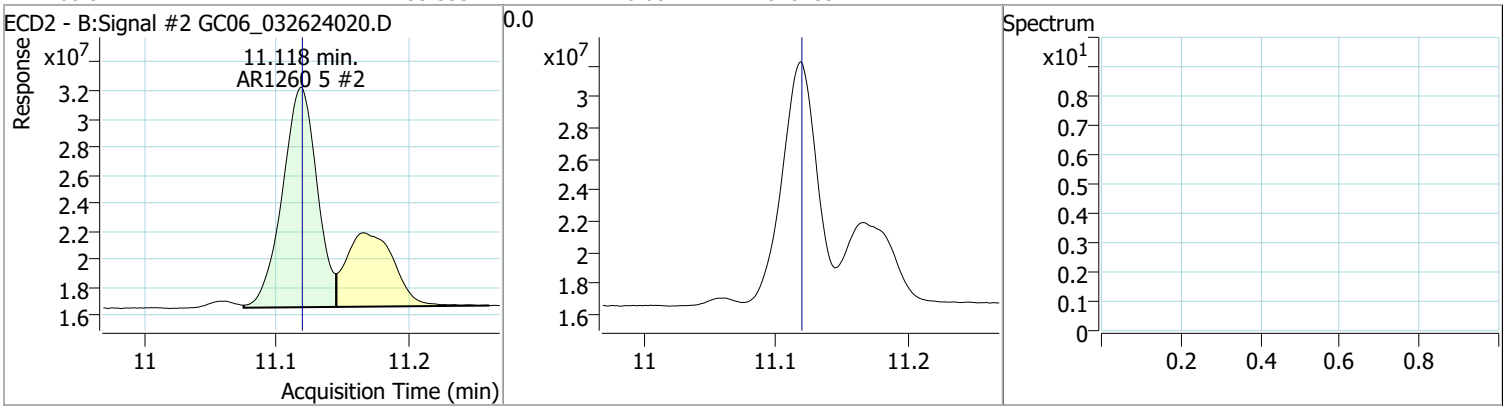
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	448.7486	10.29	0.00	1973106 (m)				



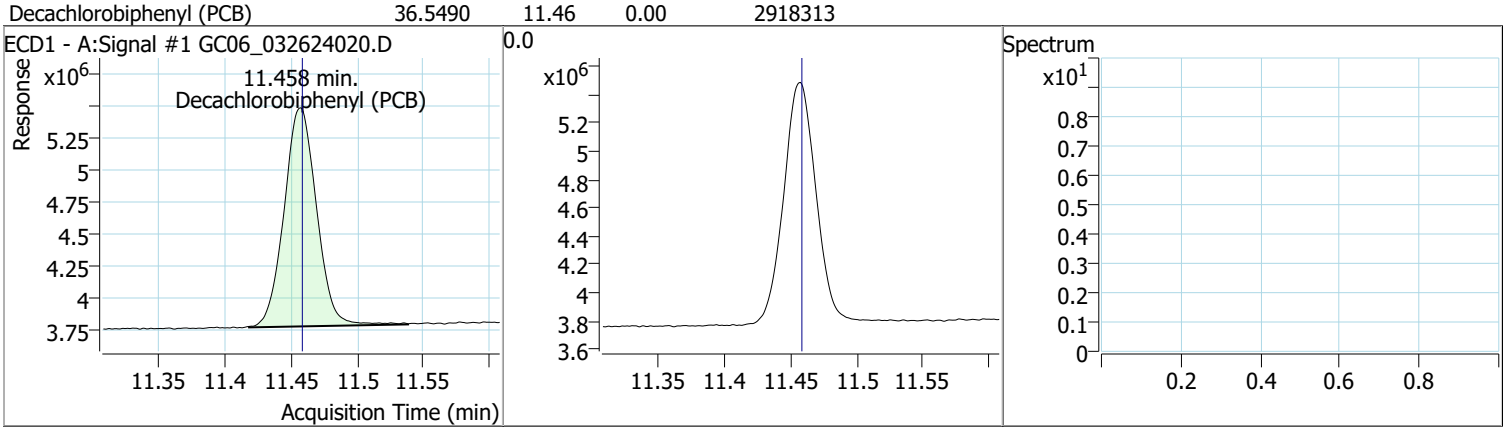
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	449.9544	10.48	0.00	20969711				



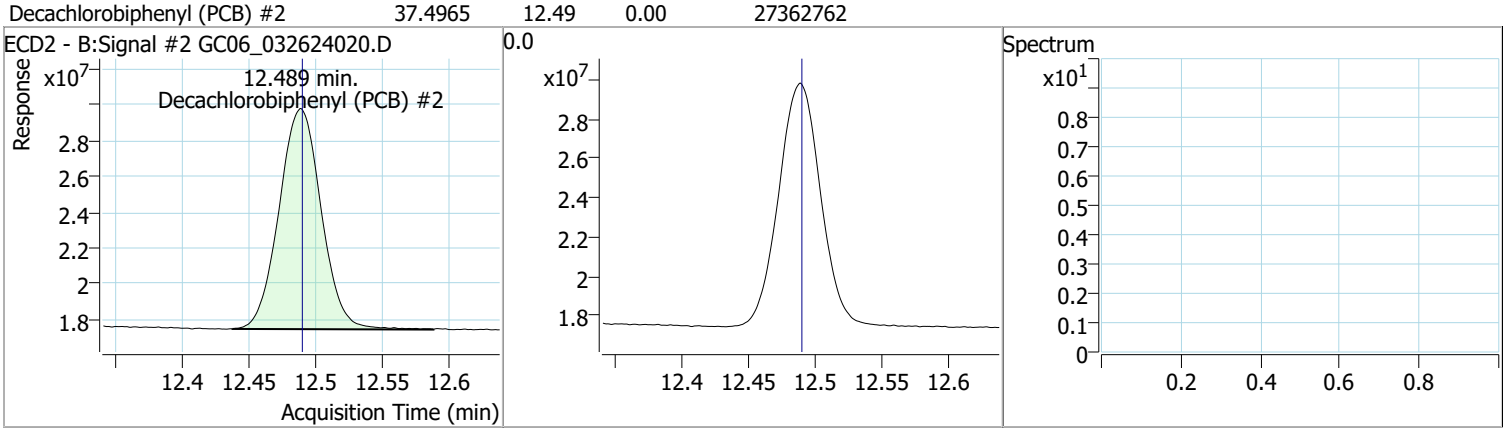
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	453.5532	11.12	0.00	28461837				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	36.5490	11.46	0.00	2918313				

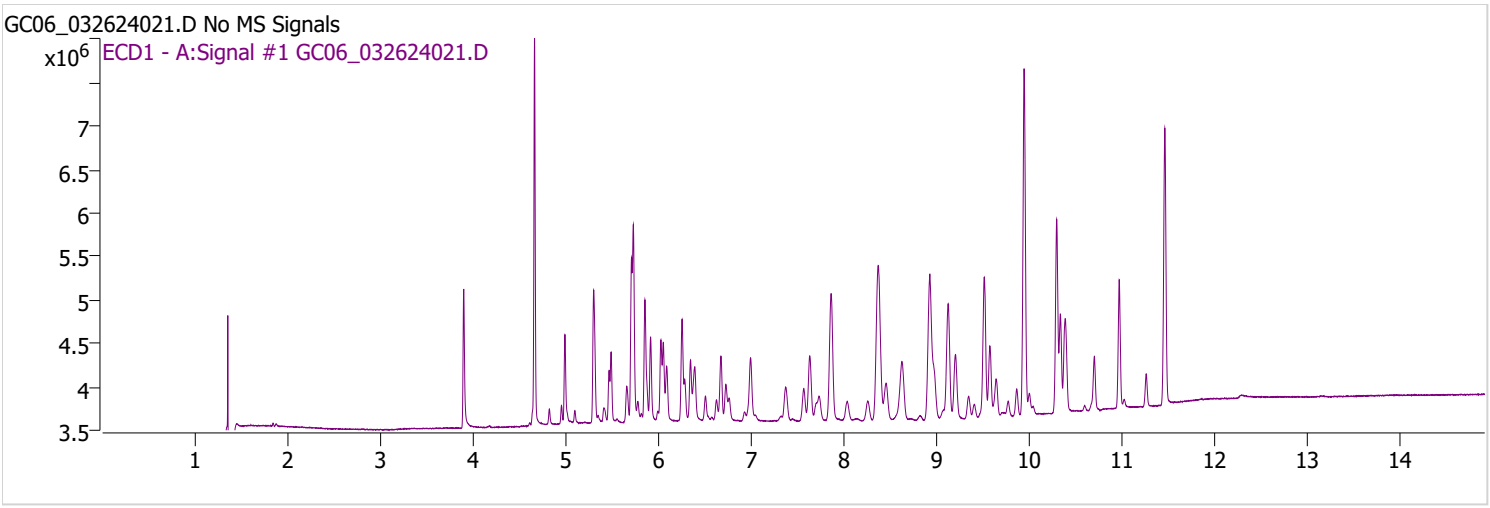


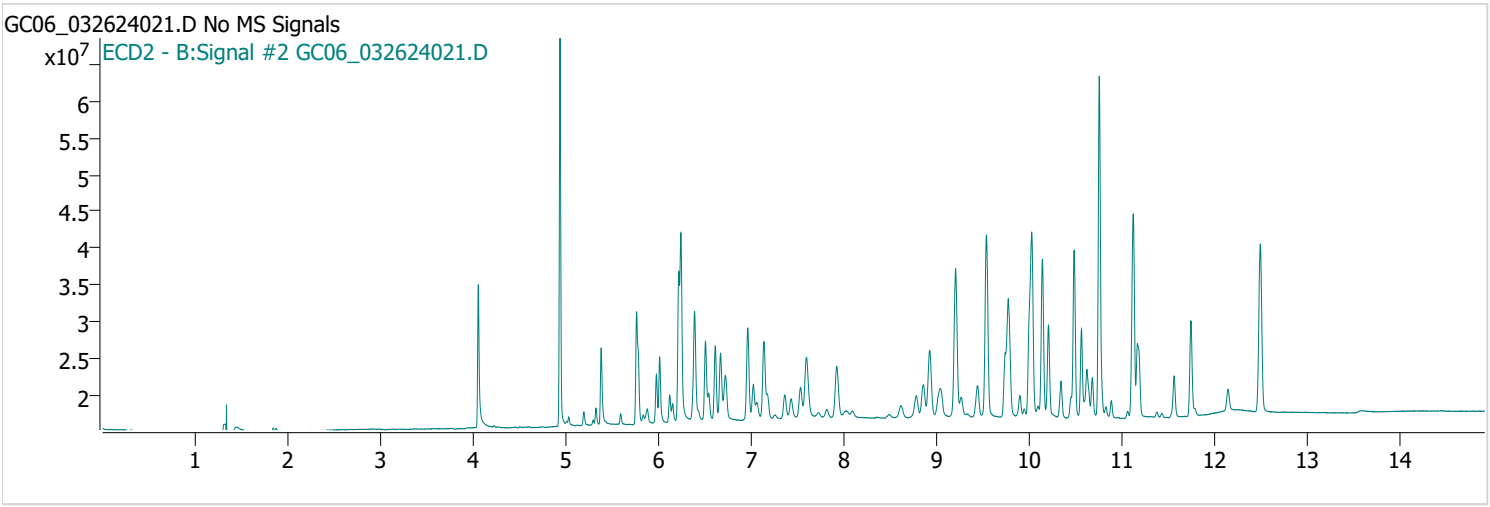
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	37.4965	12.49	0.00	27362762				



Quantitation Results Report (Not Reviewed)

Data File	GC06_032624021.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	3/26/2024 4:17:51 PM
Sample Name	ICAL, S20232	Instrument	SVOA-GC06
Vial	16	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_1.m	Comment	750 ppb PCB ICAL 7
Tune File	ATUNE.U	Tune Date	
Batch Name	032624_PCB.batch.bin	Last Calib Update	3/27/2024 10:44:12 AM
Ref Library			



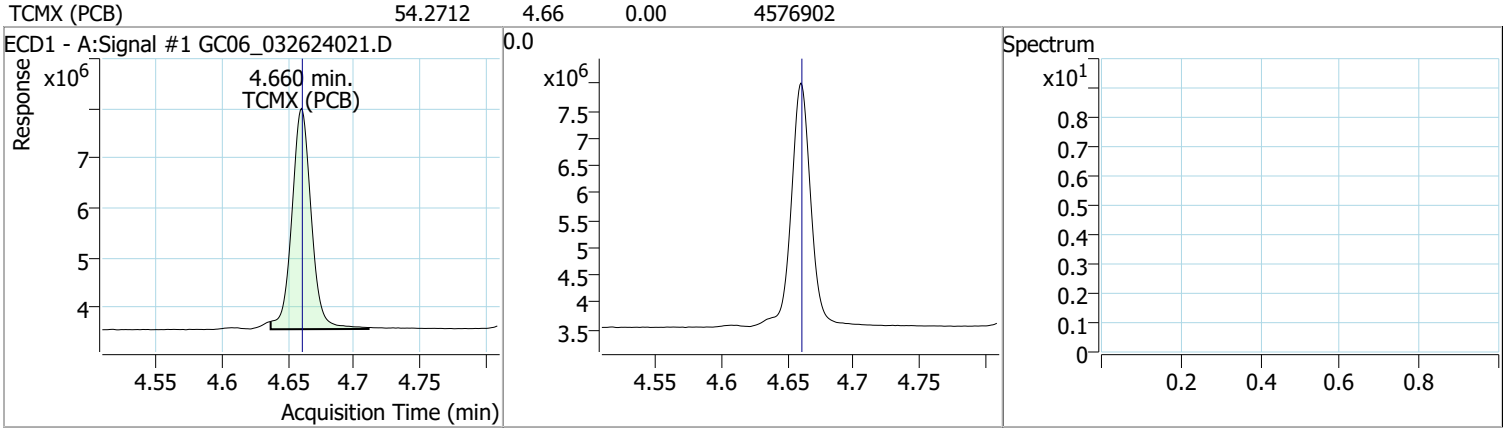


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.896	0.0	1873211.754	20.0000	ng/ml		0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.053	0.0	24102939.570	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.660	0.0	4576901.540	54.2712	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 271.36%		*	
S TCMX (PCB) #2	4.935	0.0	56036950.151	53.6149	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 268.07%		*	
S Decachlorobiphenyl (PCB)	11.460	0.0	5497709.736	49.3010	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 246.50%		*	
S Decachlorobiphenyl (PCB) #2	12.490	0.0	51064929.228	51.8250	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 259.13%		*	
Target Compounds							QValue

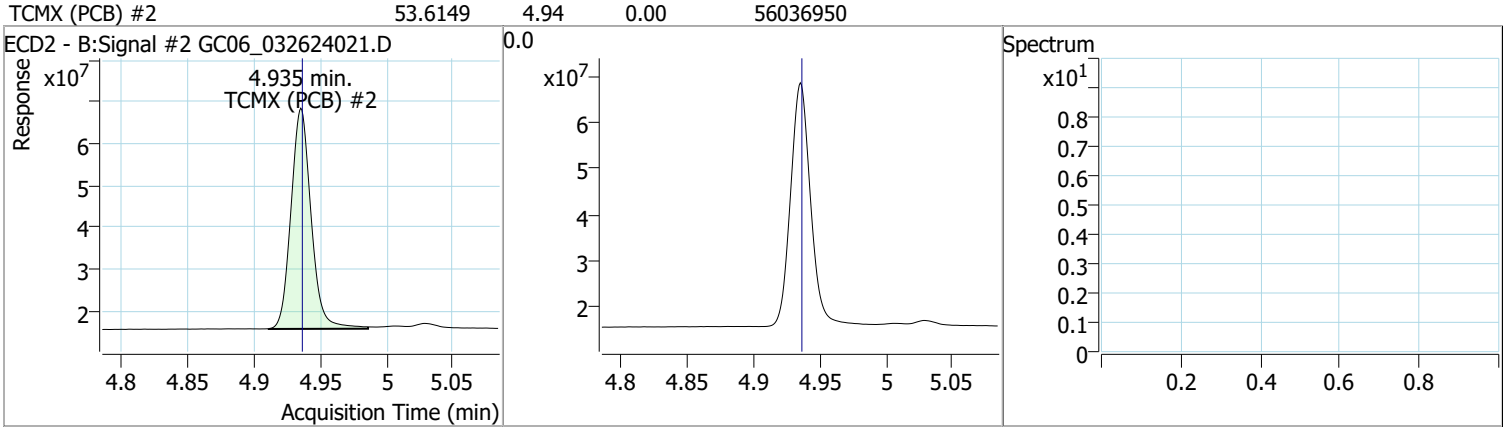
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.988	0.0	1349589.503	670.2121	ng/ml		100
T AR1016 2	5.298	0.0	2461946.823	665.9513	ng/ml		100
T AR1016 1 #2	5.378	0.0	14848017.362	666.6517	ng/ml		100
T AR1016 3	5.726	0.0	3176012.543	667.9021	ng/ml		100
T AR1016 2 #2	5.761	0.0	29607885.521	664.4800	ng/ml		100
T AR1016 4	5.851	0.0	2199542.089	655.1556	ng/ml	m	100
T AR1016 3 #2	6.239	0.0	41737882.499	676.2893	ng/ml		100
T AR1016 5	6.252	0.0	1772321.004	630.0999	ng/ml	m	100
T AR1016 4 #2	6.387	0.0	28281329.740	693.2473	ng/ml		100
T AR1016 5 #2	6.960	0.0	22982798.721	673.0044	ng/ml	m	100
T AR1260 1	7.860	0.0	3619156.137	631.7337	ng/ml		100
T AR1260 2	8.368	0.0	5495402.927	627.0247	ng/ml		100
T AR1260 3	8.925	0.0	5787039.175	626.4984	ng/ml	m	100
T AR1260 1 #2	9.203	0.0	45532485.340	674.9282	ng/ml		100
T AR1260 4	9.512	0.0	3357966.365	631.9608	ng/ml	m	100
T AR1260 2 #2	9.534	0.0	53945255.151	657.3481	ng/ml		100
T AR1260 3 #2	10.024	0.0	66850888.326	660.6132	ng/ml		100
T AR1260 5	10.293	0.0	3870014.080	630.2246	ng/ml		100
T AR1260 4 #2	10.482	0.0	37120562.800	589.8984	ng/ml	m	100
T AR1260 5 #2	11.119	0.0	54224117.637	639.9475	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

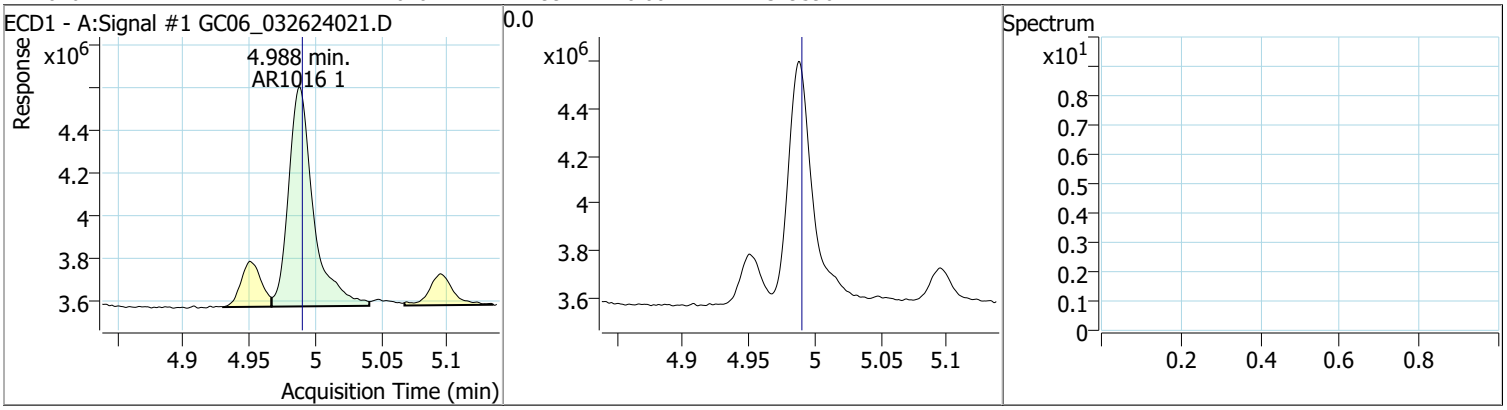
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	54.2712	4.66	0.00	4576902				



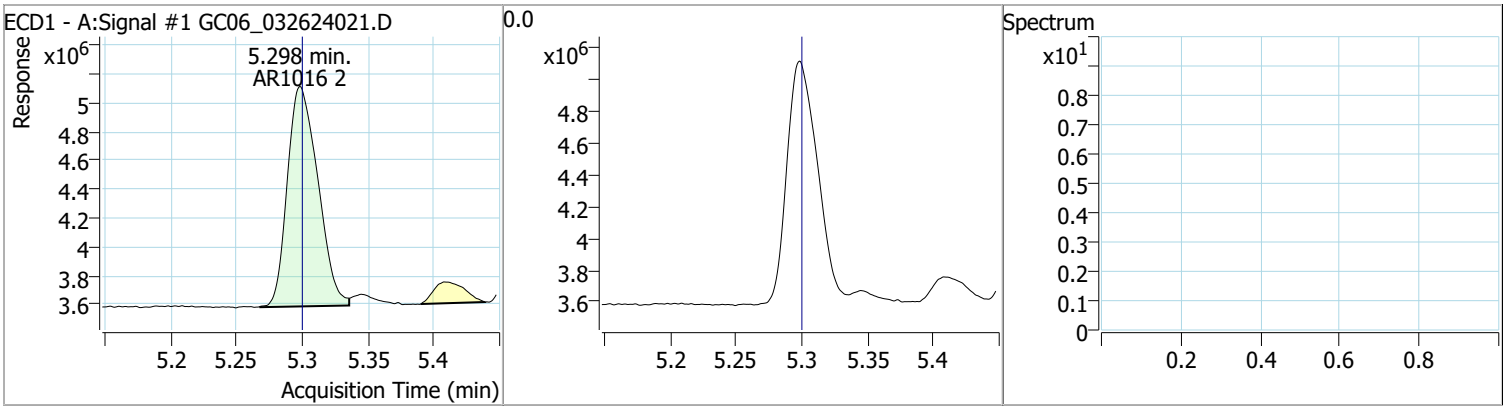
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	53.6149	4.94	0.00	56036950				



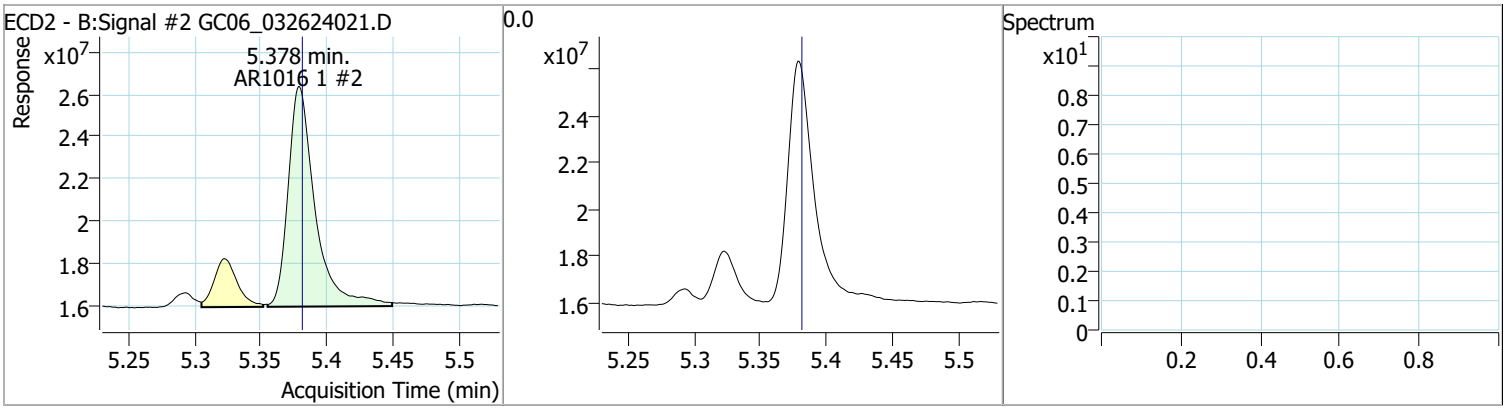
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	670.2121	4.99	0.00	1349590				



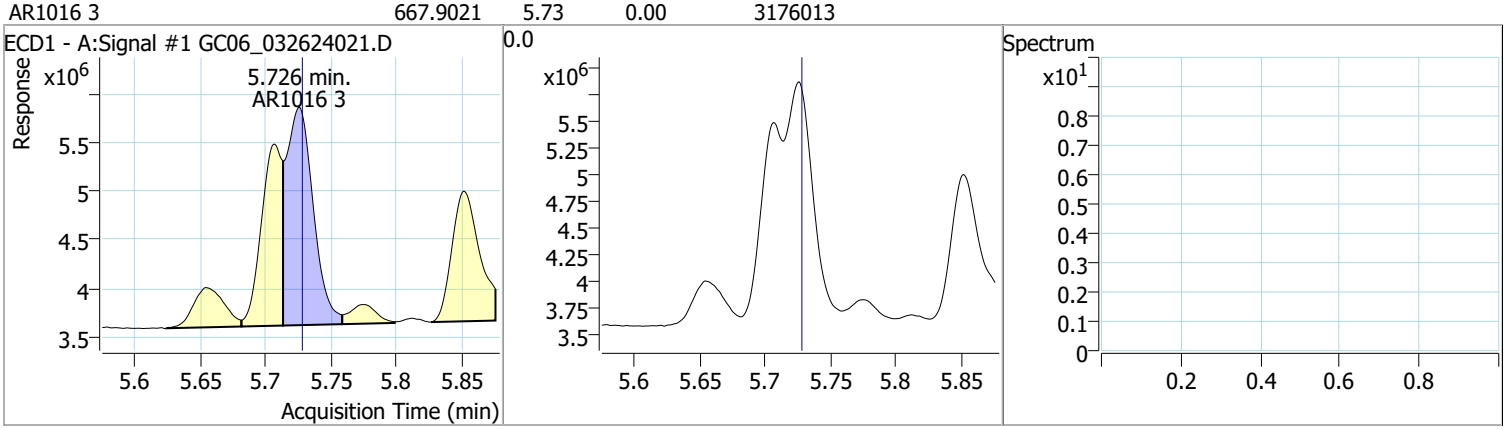
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	665.9513	5.30	0.00	2461947				



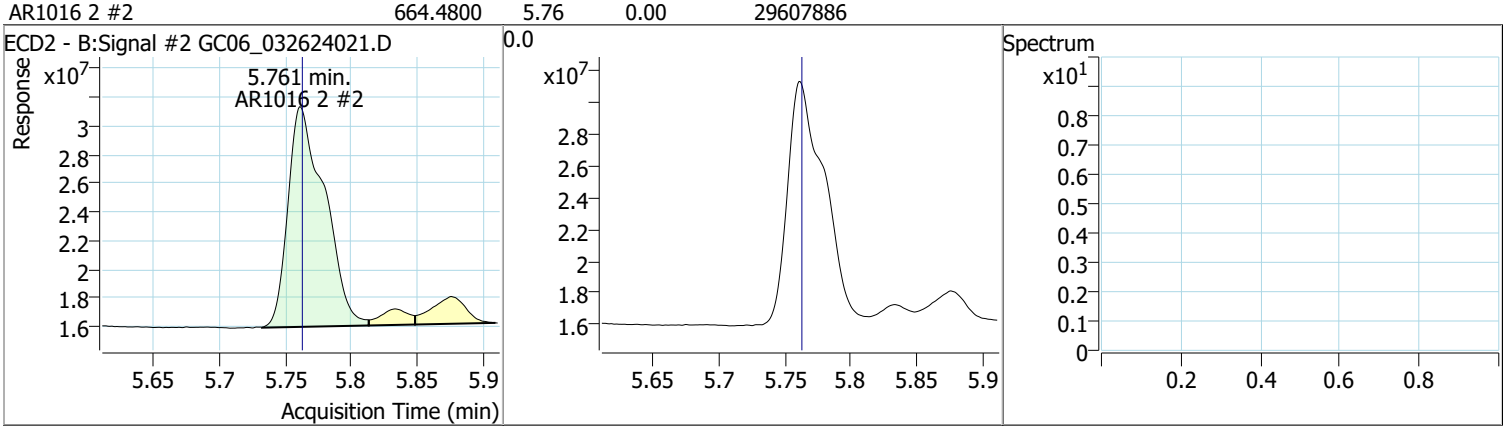
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AR1016 1 #2	666.6517	5.38	0.00	14848017				



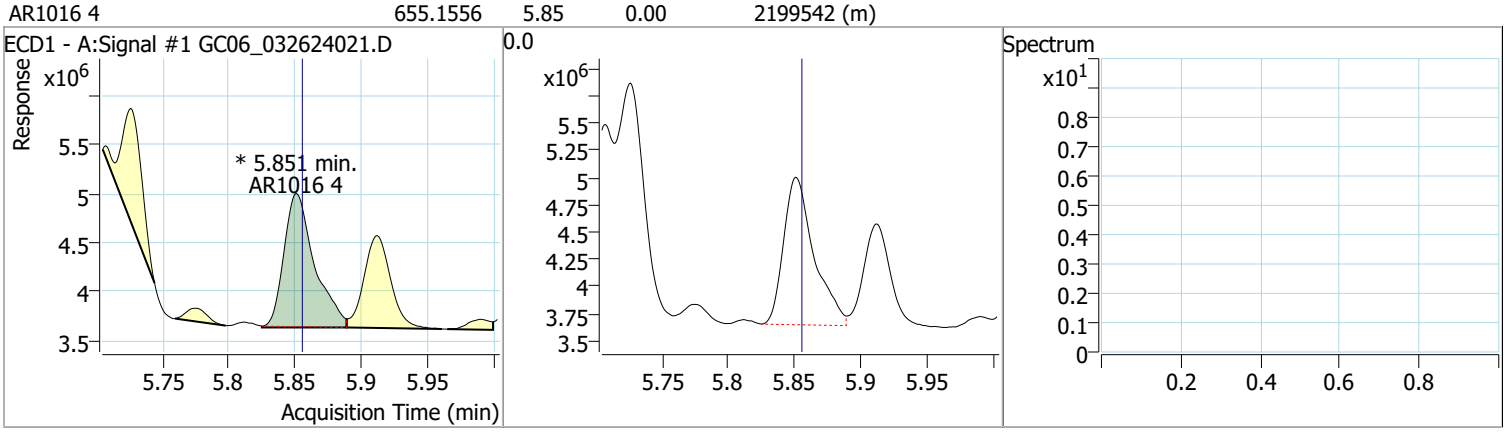
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AR1016 3	667.9021	5.73	0.00	3176013				



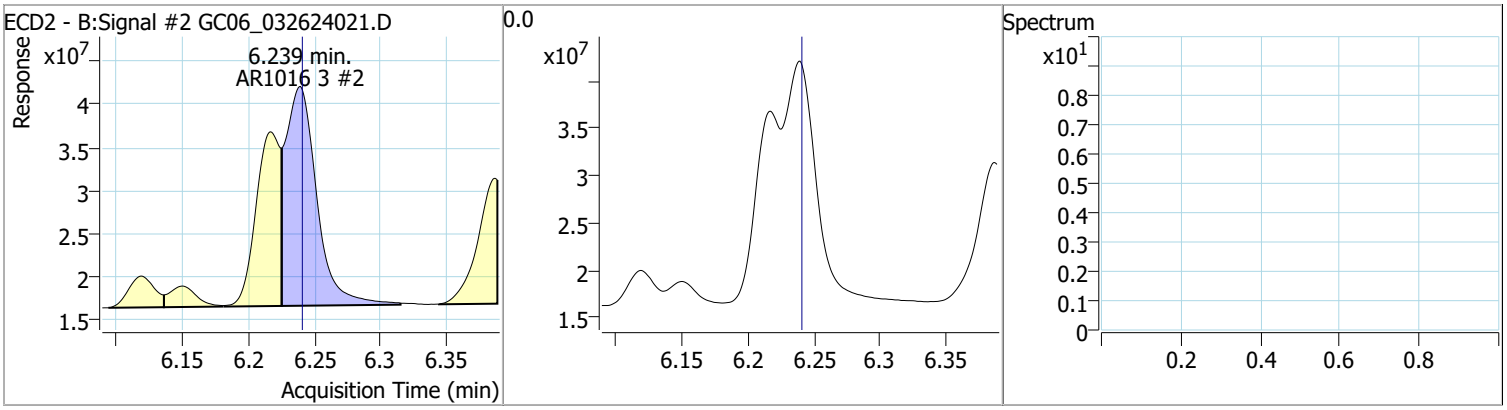
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	664.4800	5.76	0.00	29607886				



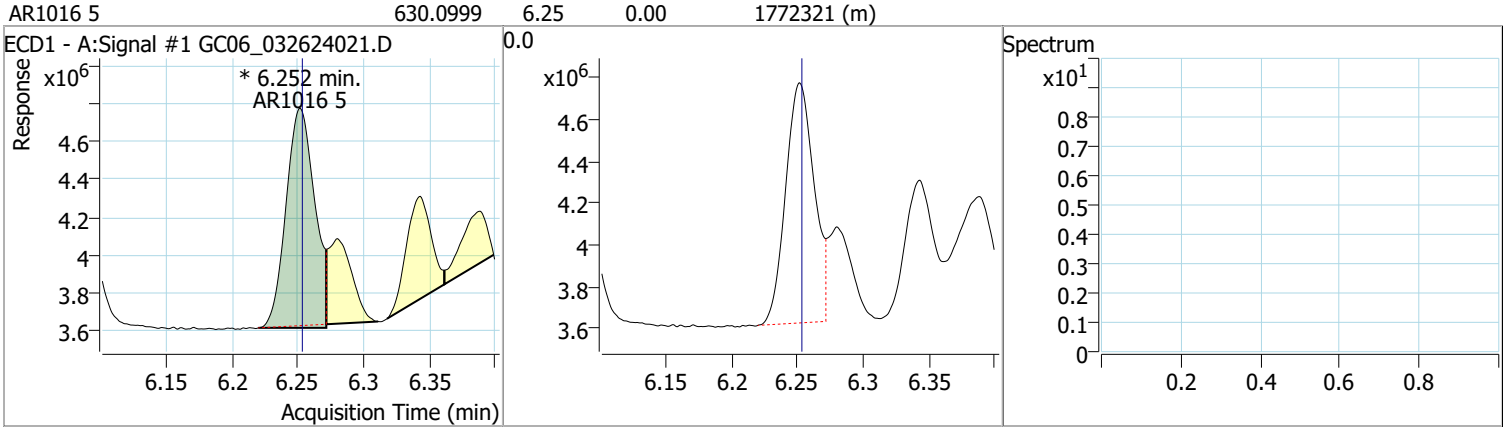
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	655.1556	5.85	0.00	2199542 (m)				



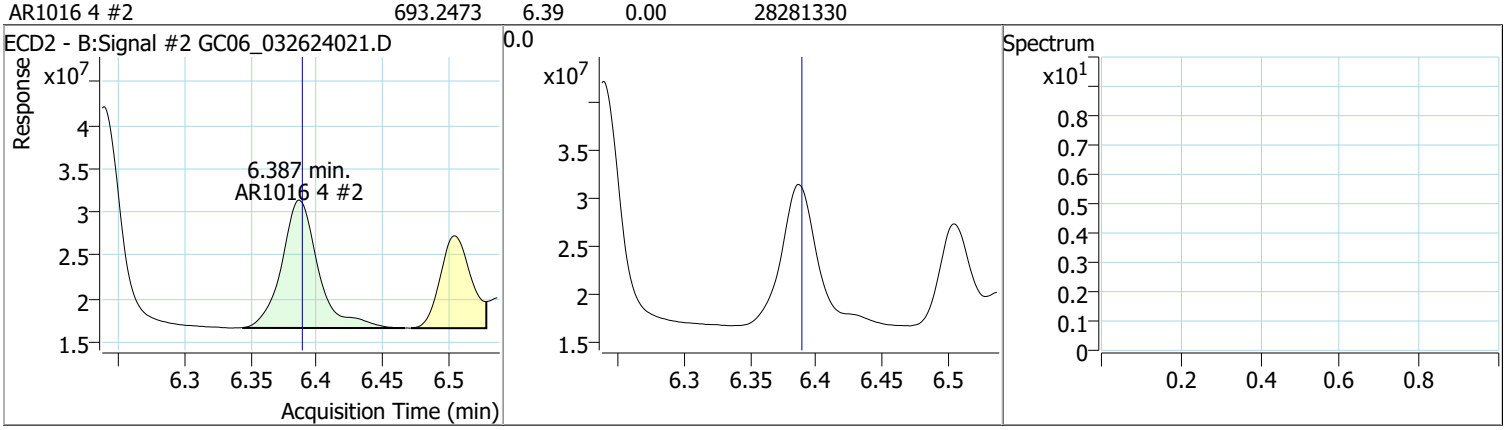
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AR1016 3 #2	676.2893	6.24	0.00	41737882				



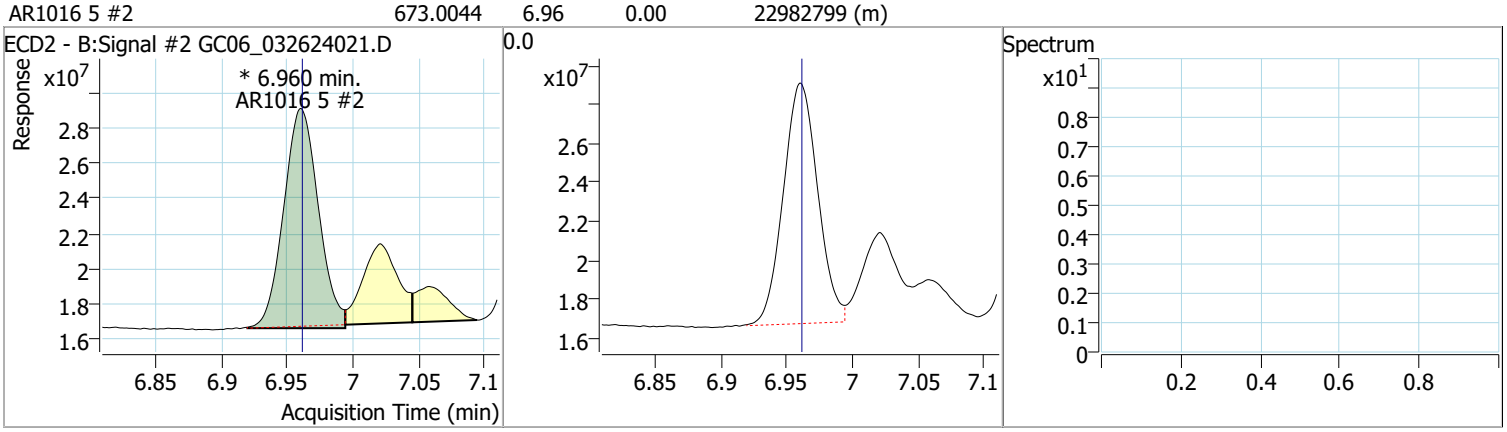
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AR1016 5	630.0999	6.25	0.00	1772321 (m)				



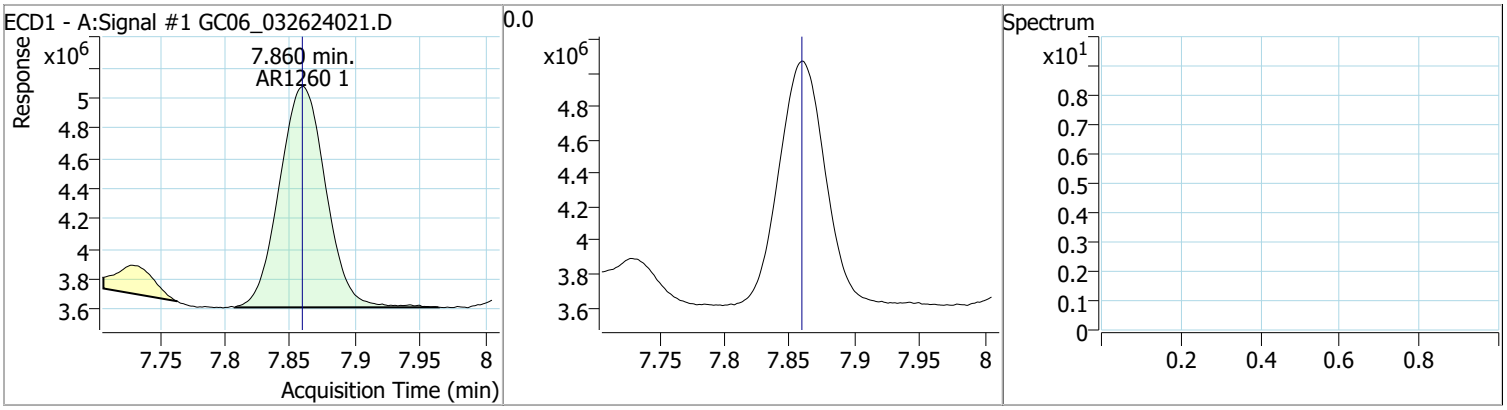
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AR1016 4 #2	693.2473	6.39	0.00	28281330				



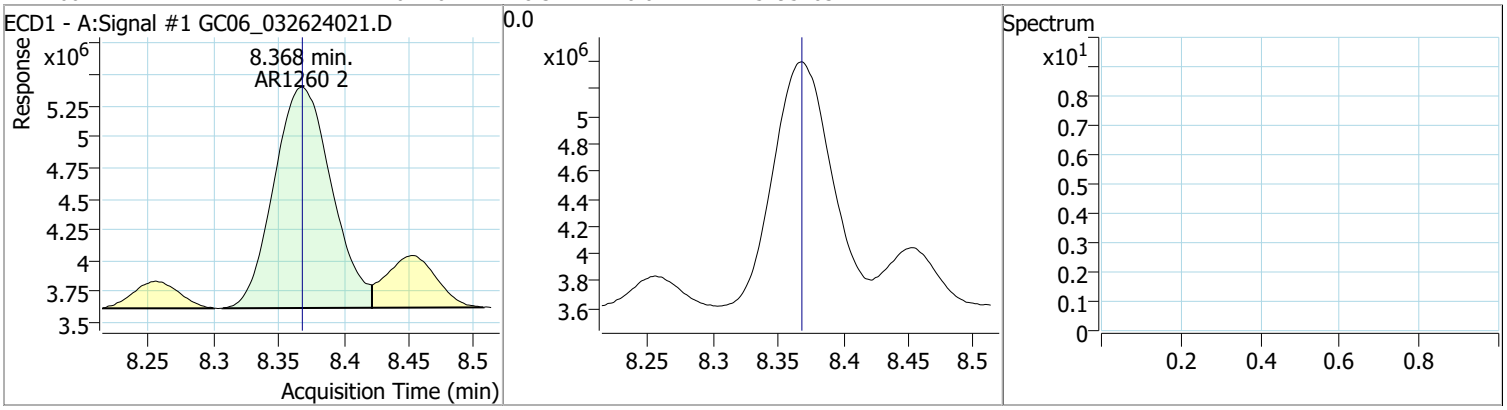
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AR1016 5 #2	673.0044	6.96	0.00	22982799 (m)				



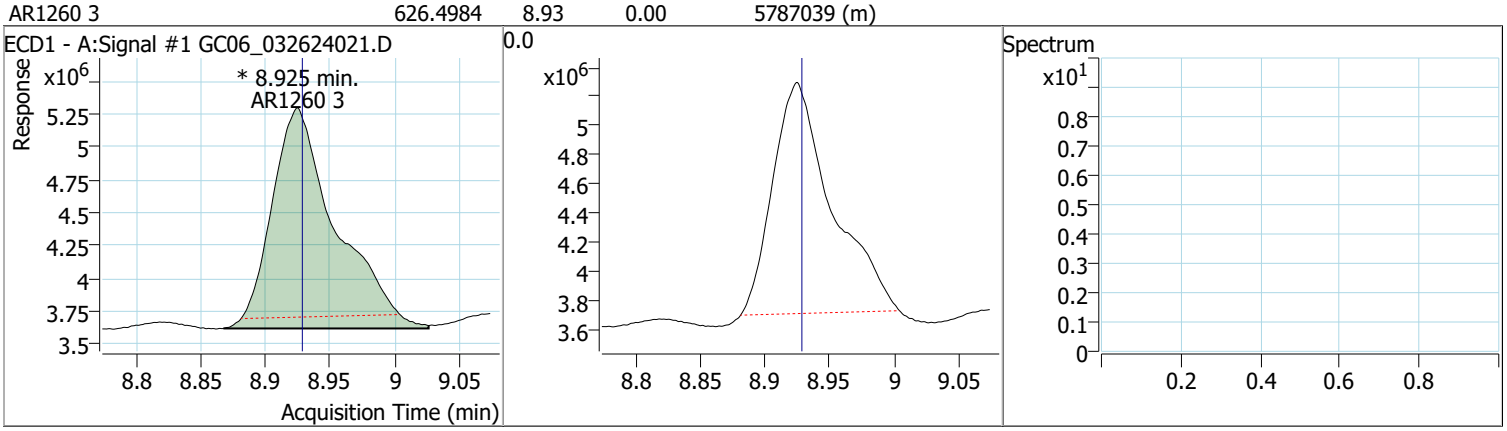
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	631.7337	7.86	0.01	3619156				



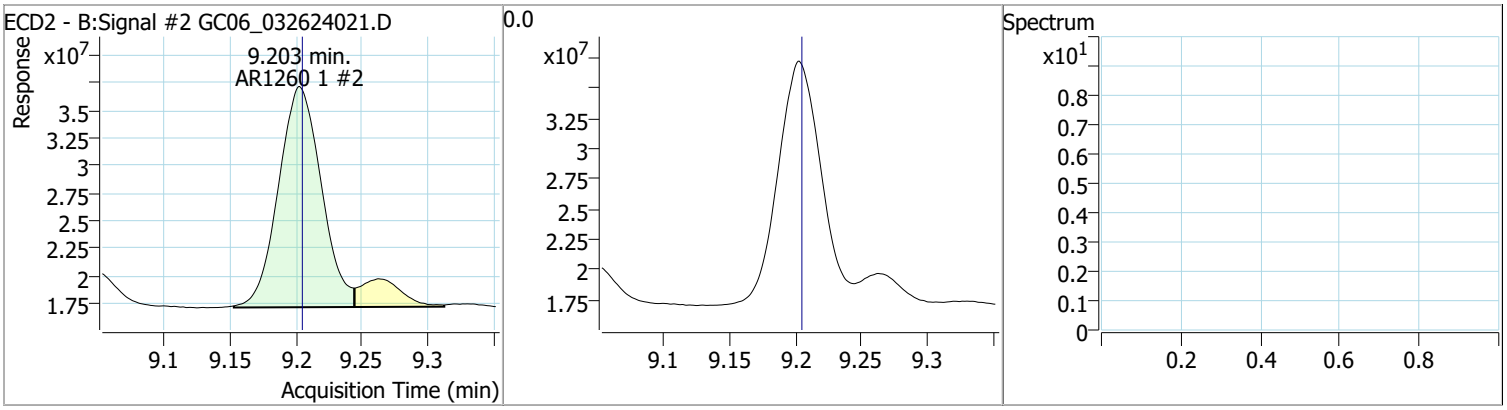
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	627.0247	8.37	0.01	5495403				



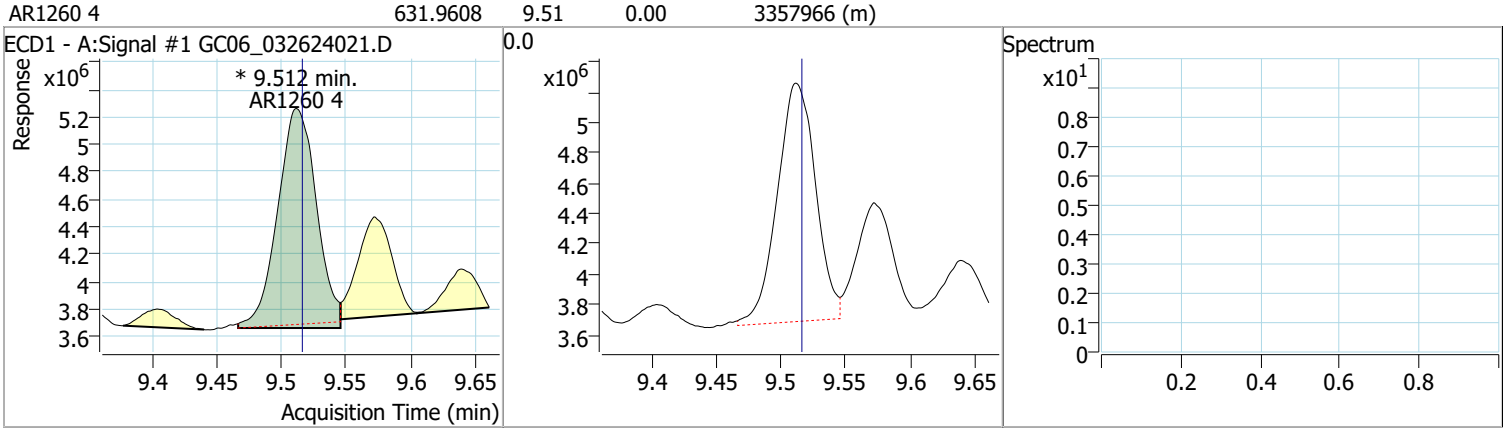
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	626.4984	8.93	0.00	5787039 (m)				



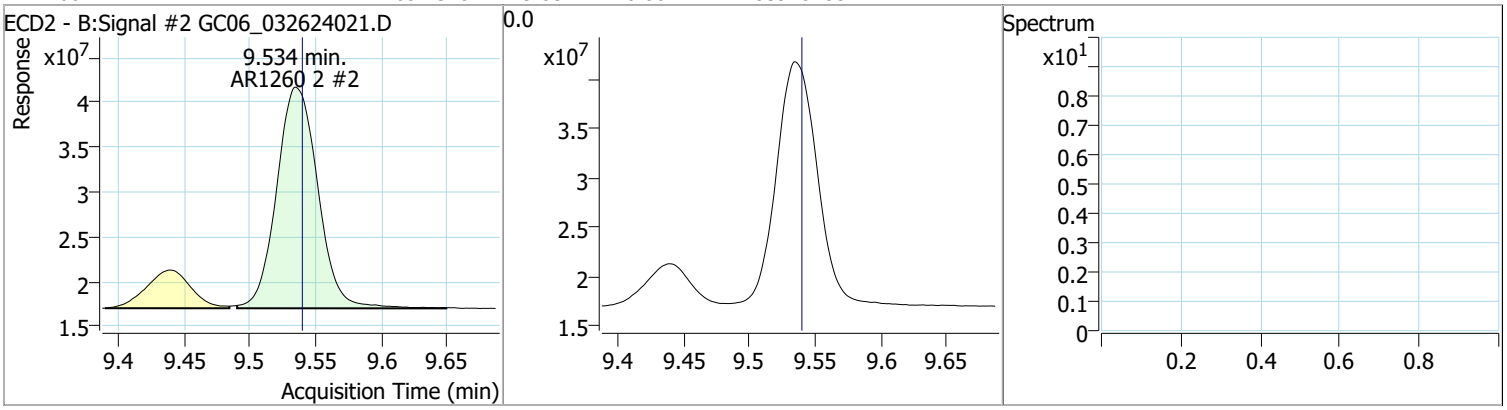
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	674.9282	9.20	0.00	45532485				



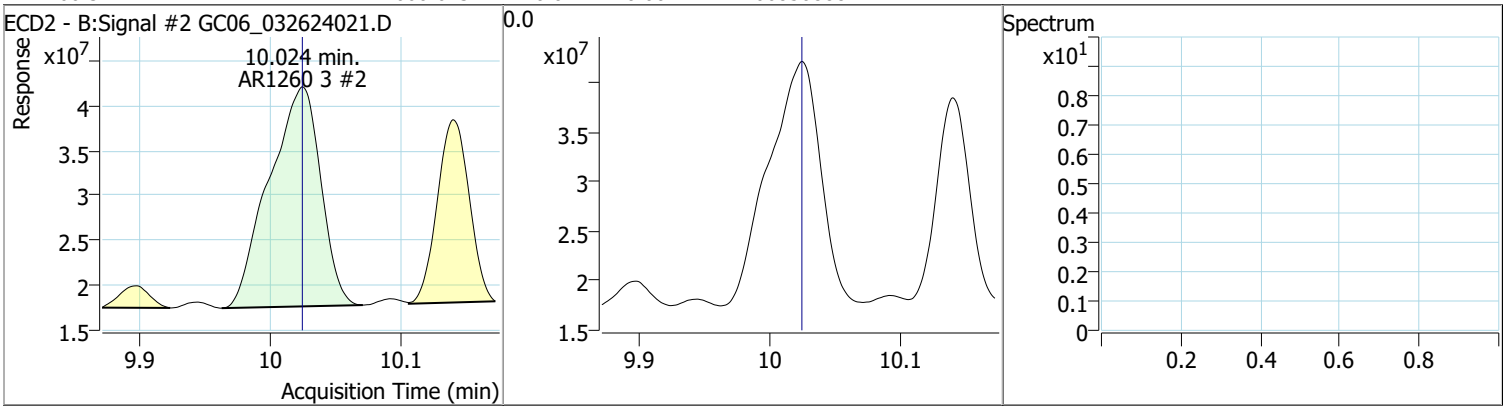
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	631.9608	9.51	0.00	3357966 (m)				



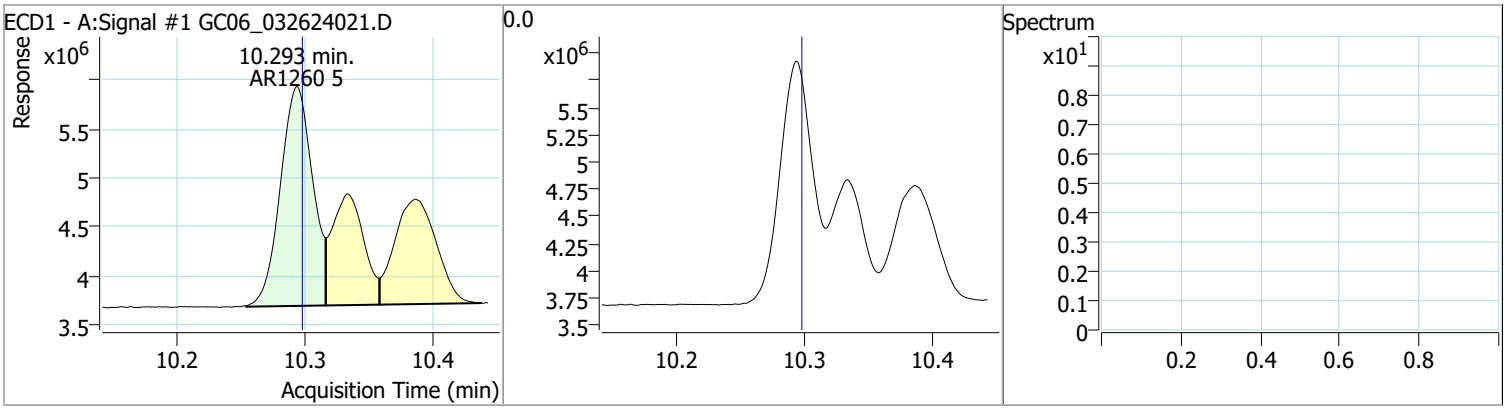
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	657.3481	9.53	0.00	53945255				



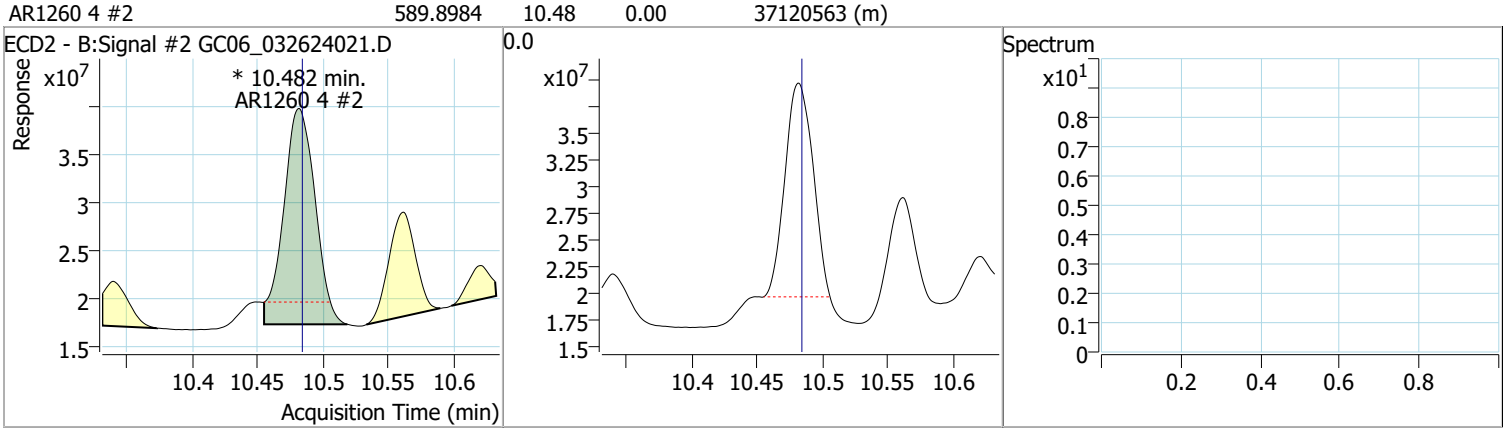
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	660.6132	10.02	0.00	66850888				



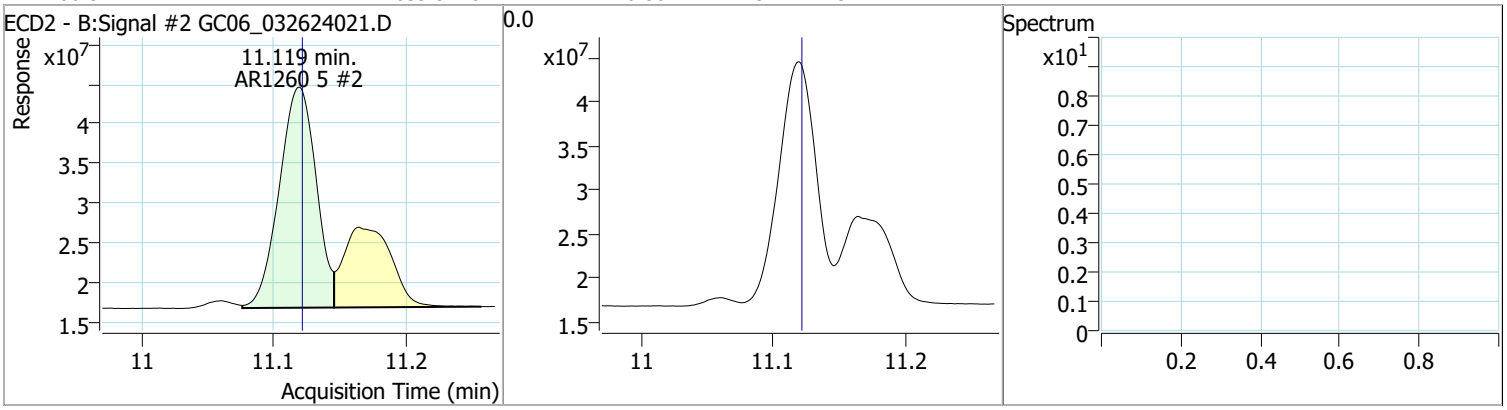
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	630.2246	10.29	0.00	3870014				



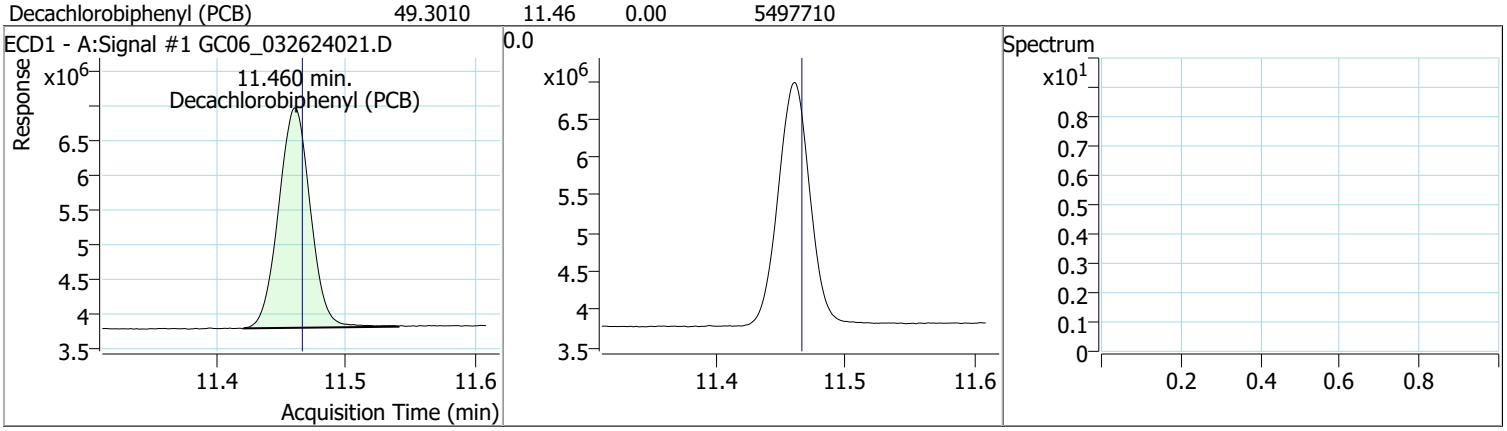
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	589.8984	10.48	0.00	37120563 (m)				



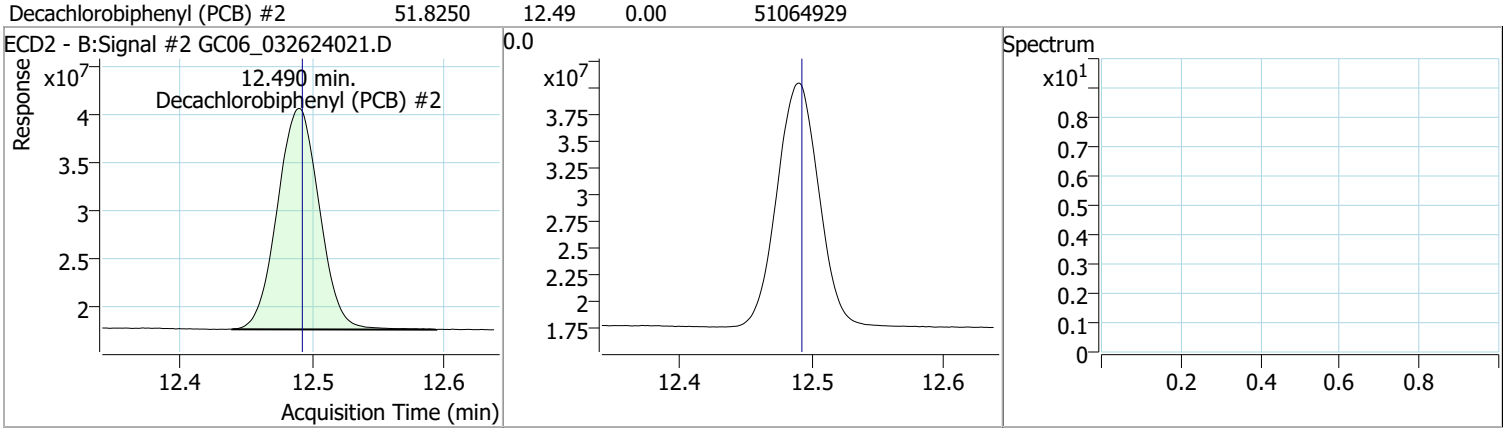
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	639.9475	11.12	0.00	54224118				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	49.3010	11.46	0.00	5497710				

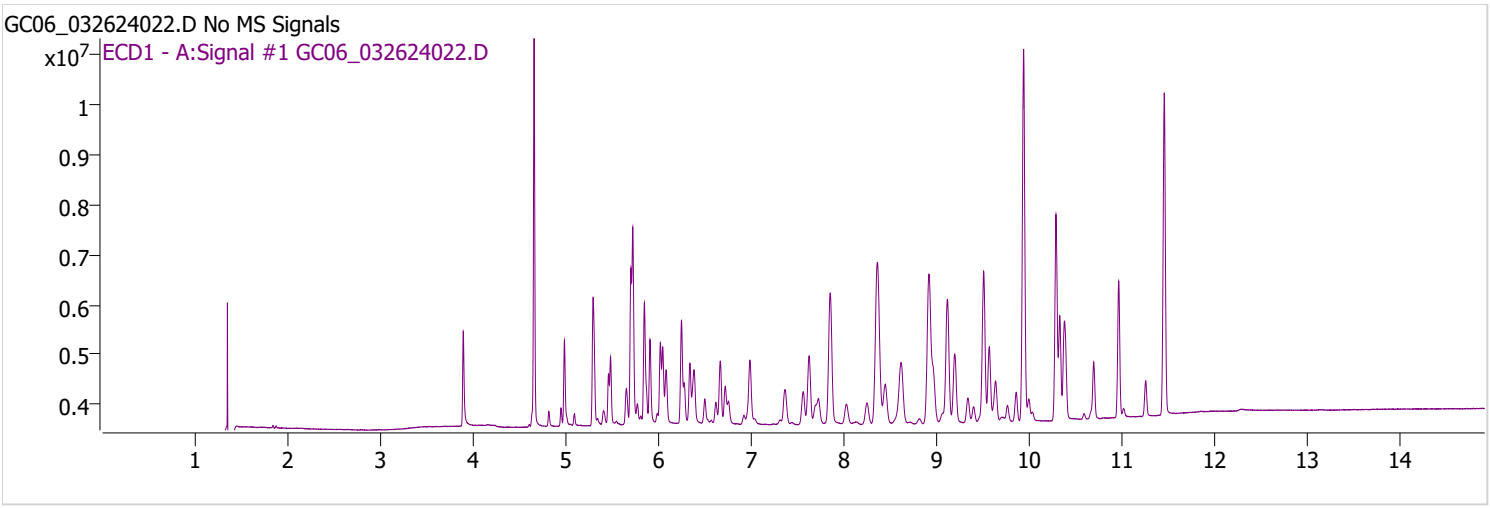


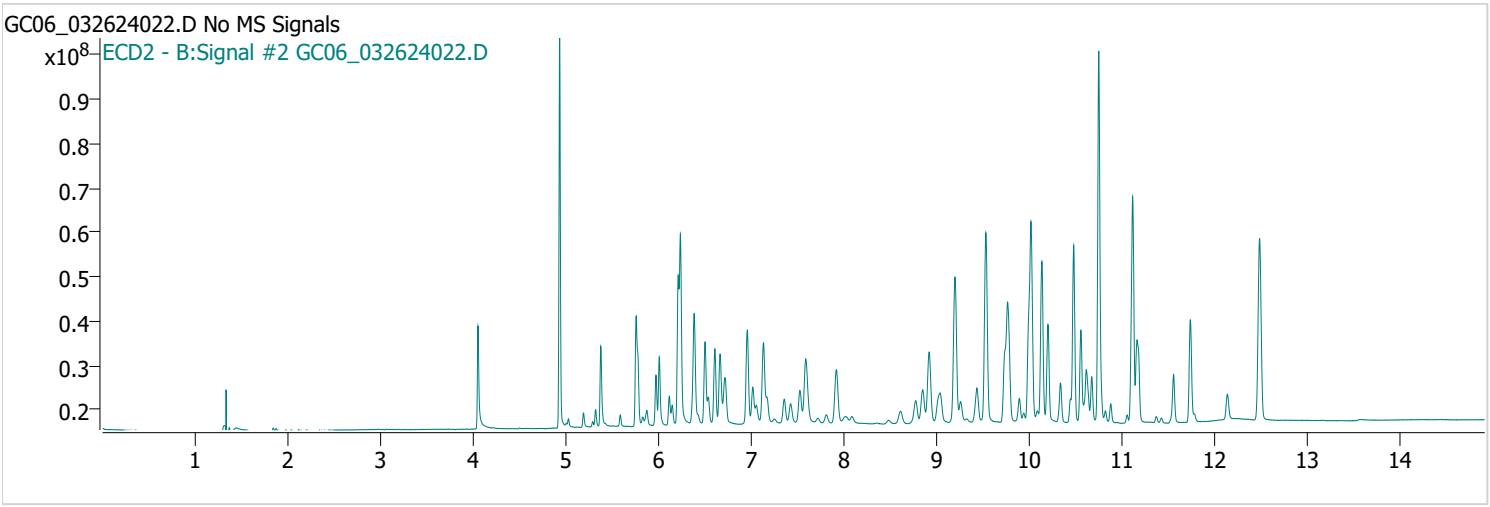
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	51.8250	12.49	0.00	51064929				



Quantitation Results Report (Not Reviewed)

Data File	GC06_032624022.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	3/26/2024 4:37:28 PM
Sample Name	ICAL, S20233	Instrument	SVOA-GC06
Vial	17	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_1.m	Comment	1000 ppb PCB ICAL 8
Tune File	ATUNE.U	Tune Date	
Batch Name	032624_PCB.batch.bin	Last Calib Update	3/27/2024 10:44:12 AM
Ref Library			



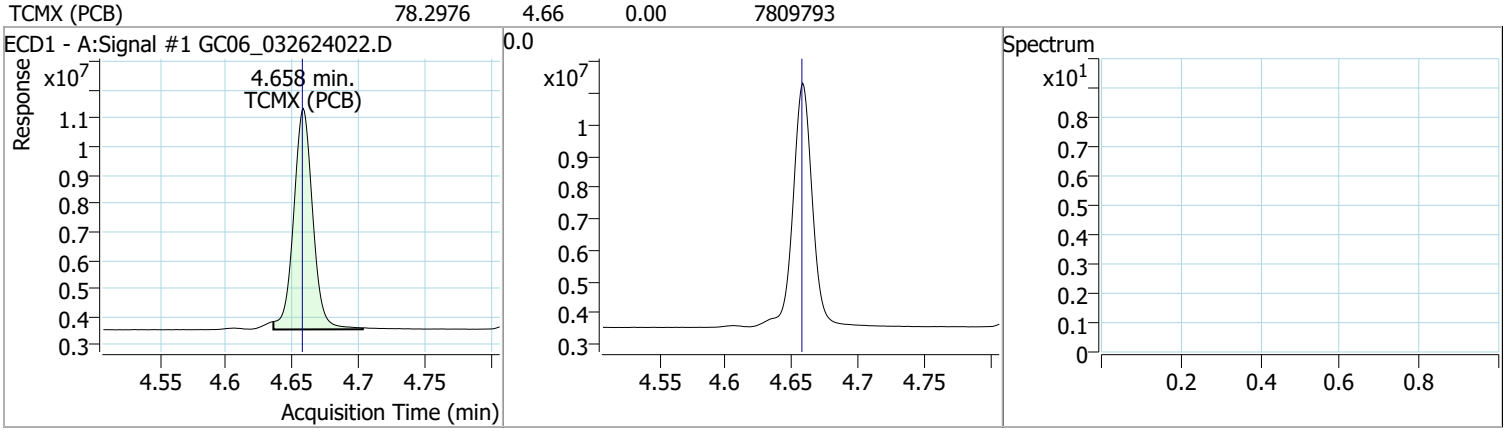


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.893	0.0	2215521.335	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	4.053	0.0	28894494.174	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.658	0.0	7809792.869	78.2976	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 391.49%		*	
S TCMX (PCB) #2	4.934	0.0	92714163.050	73.9966	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 369.98%		*	
S Decachlorobiphenyl (PCB)	11.460	0.0	10837478.645	82.1699	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 410.85%		*	
S Decachlorobiphenyl (PCB) #2	12.489	0.0	93838115.595	79.4421	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 397.21%		*	
Target Compounds							QValue

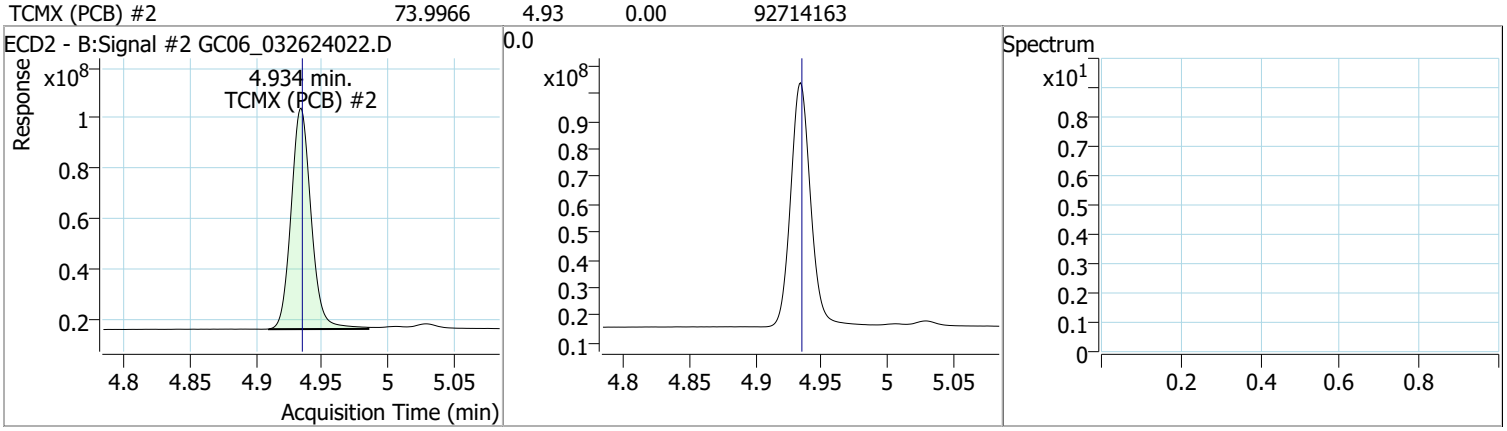
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.986	0.0	2186736.946	918.1593	ng/ml		100
T AR1016 2	5.295	0.0	4151195.984	949.3973	ng/ml		100
T AR1016 1 #2	5.378	0.0	24932029.899	933.7767	ng/ml		100
T AR1016 3	5.723	0.0	5374560.465	955.6184	ng/ml		100
T AR1016 2 #2	5.760	0.0	49751188.341	931.3929	ng/ml		100
T AR1016 4	5.848	0.0	3694556.256	930.4337	ng/ml		100
T AR1016 3 #2	6.237	0.0	70315526.764	950.4040	ng/ml	m	100
T AR1016 5	6.249	0.0	3099222.306	931.6026	ng/ml	m	100
T AR1016 4 #2	6.386	0.0	48184874.339	985.2672	ng/ml		100
T AR1016 5 #2	6.959	0.0	38152332.417	931.9466	ng/ml		100
T AR1260 1	7.854	0.0	6539333.356	965.0975	ng/ml		100
T AR1260 2	8.363	0.0	9996817.540	964.4014	ng/ml		100
T AR1260 3	8.920	0.0	10721581.230	981.3713	ng/ml	m	100
T AR1260 1 #2	9.201	0.0	75674573.706	935.7096	ng/ml		100
T AR1260 4	9.510	0.0	6255634.419	995.3964	ng/ml	m	100
T AR1260 2 #2	9.534	0.0	91812700.298	933.2539	ng/ml		100
T AR1260 3 #2	10.021	0.0	116247511.483	958.2495	ng/ml		100
T AR1260 5	10.291	0.0	7132940.186	982.1149	ng/ml		100
T AR1260 4 #2	10.483	0.0	73487637.210	974.1635	ng/ml		100
T AR1260 5 #2	11.118	0.0	96691917.591	951.9123	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

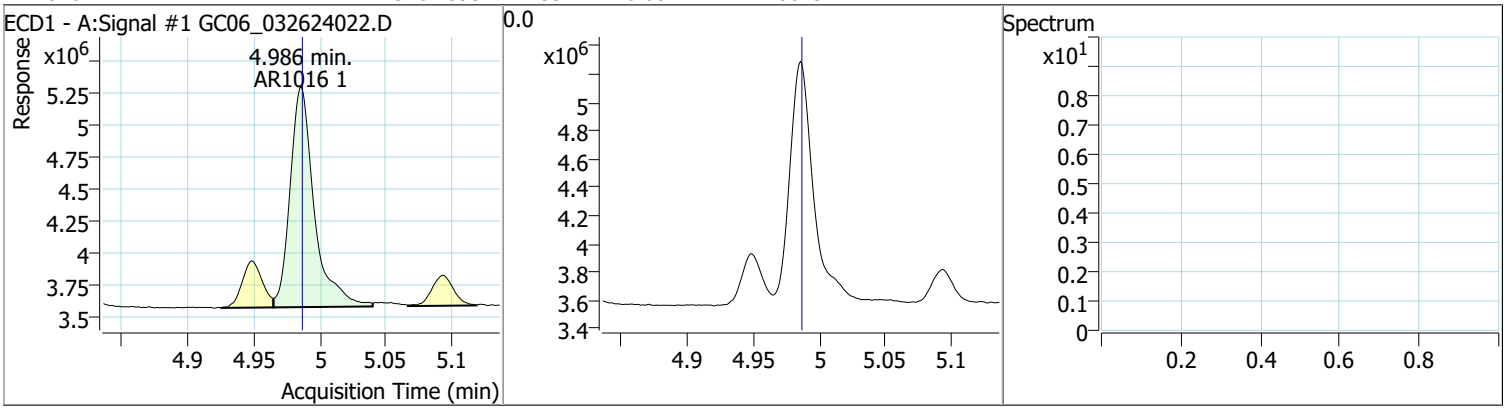
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	78.2976	4.66	0.00	7809793				



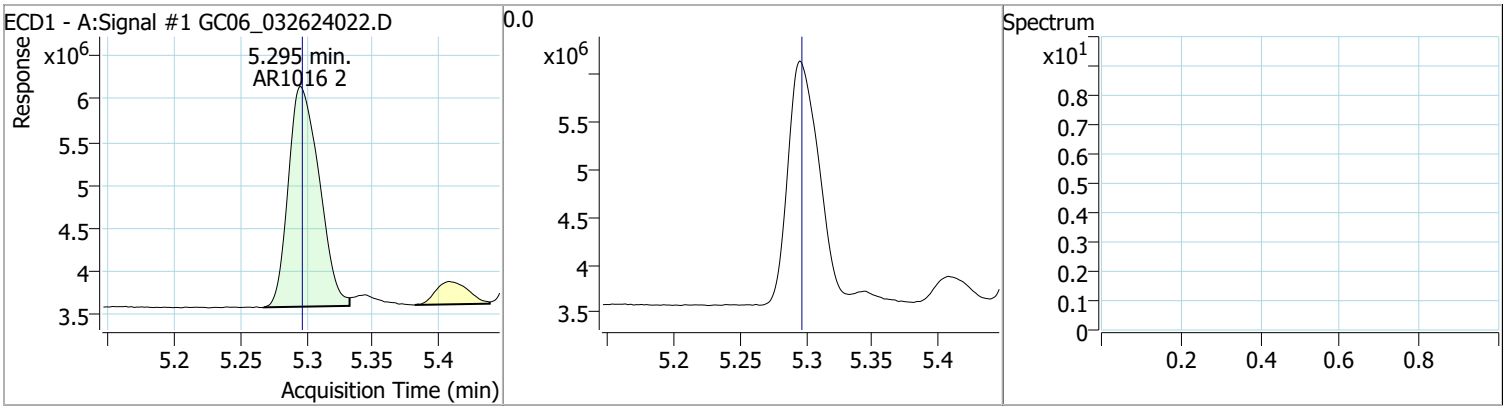
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	73.9966	4.93	0.00	92714163				



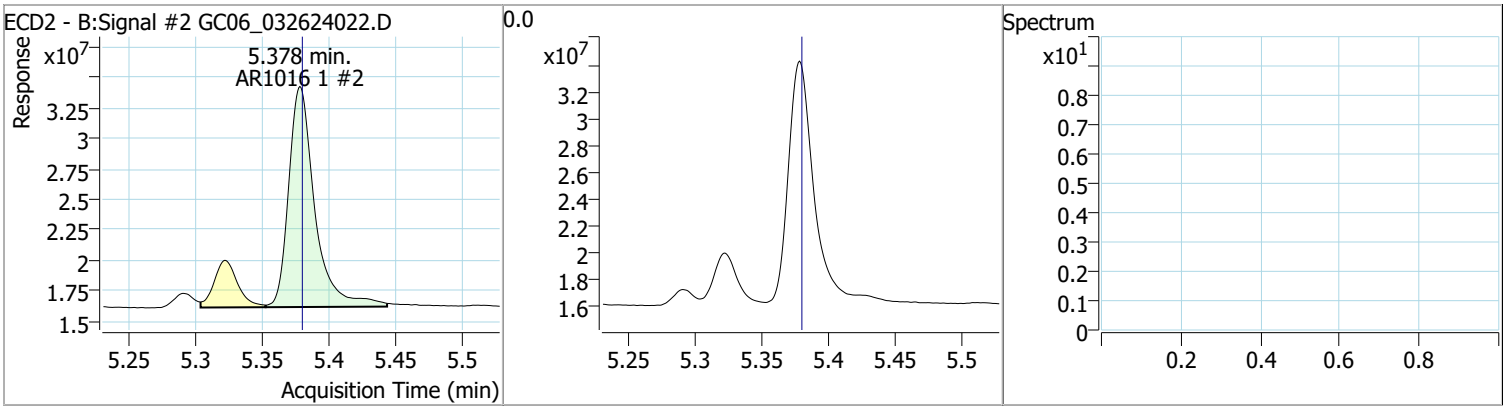
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	918.1593	4.99	0.00	2186737				



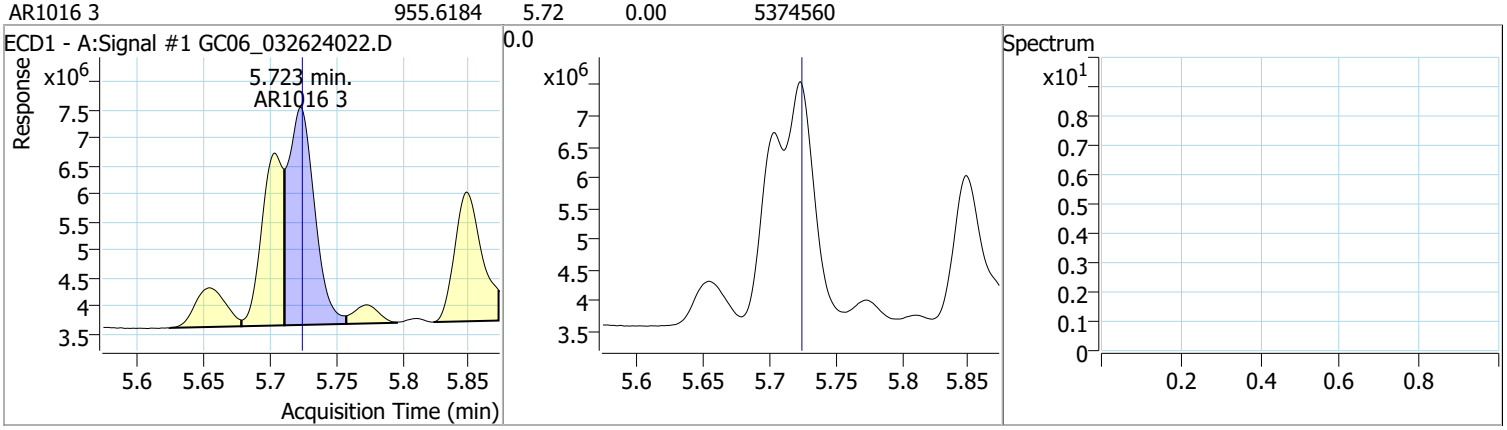
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	949.3973	5.30	0.00	4151196				



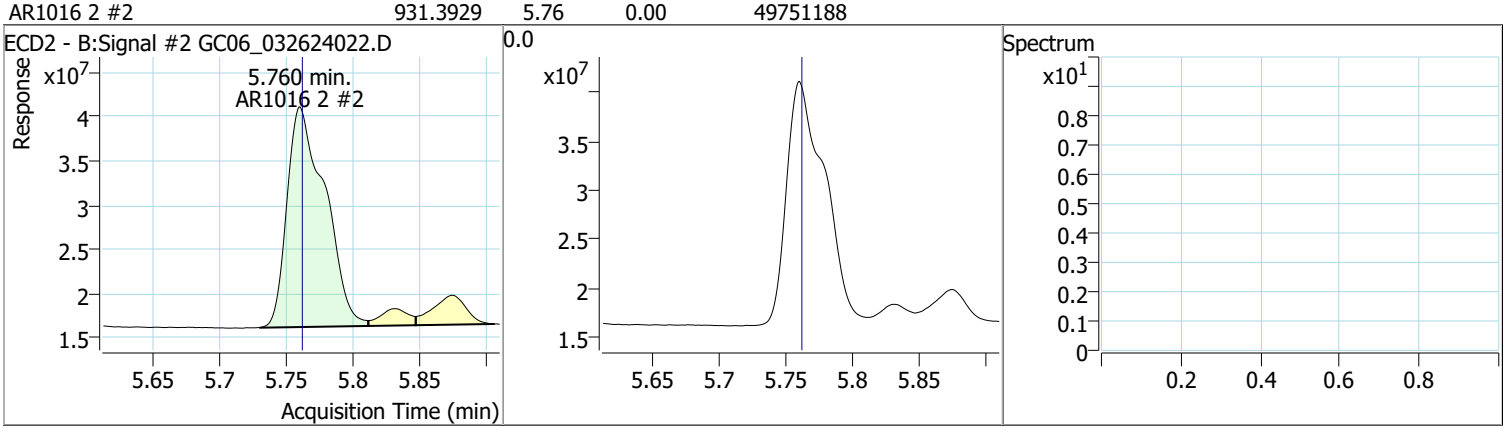
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	933.7767	5.38	0.00	24932030				



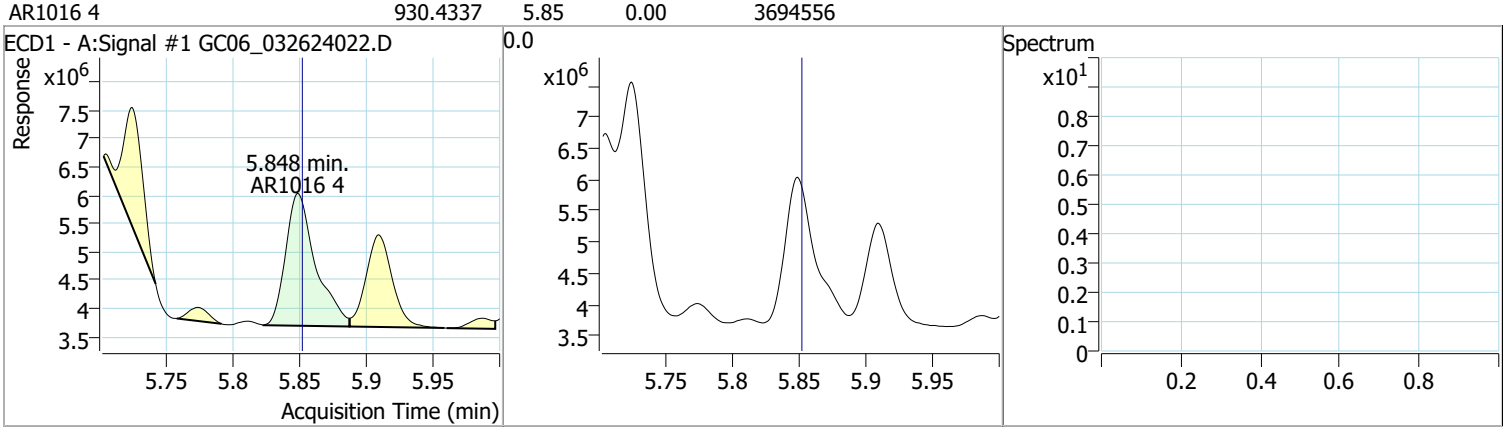
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	955.6184	5.72	0.00	5374560				



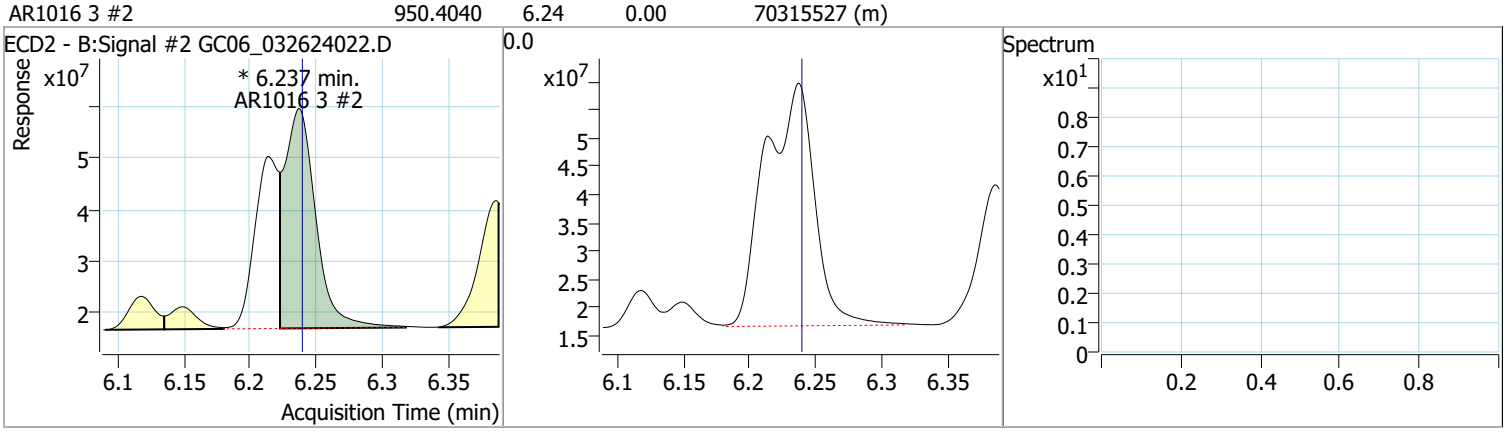
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	931.3929	5.76	0.00	49751188				



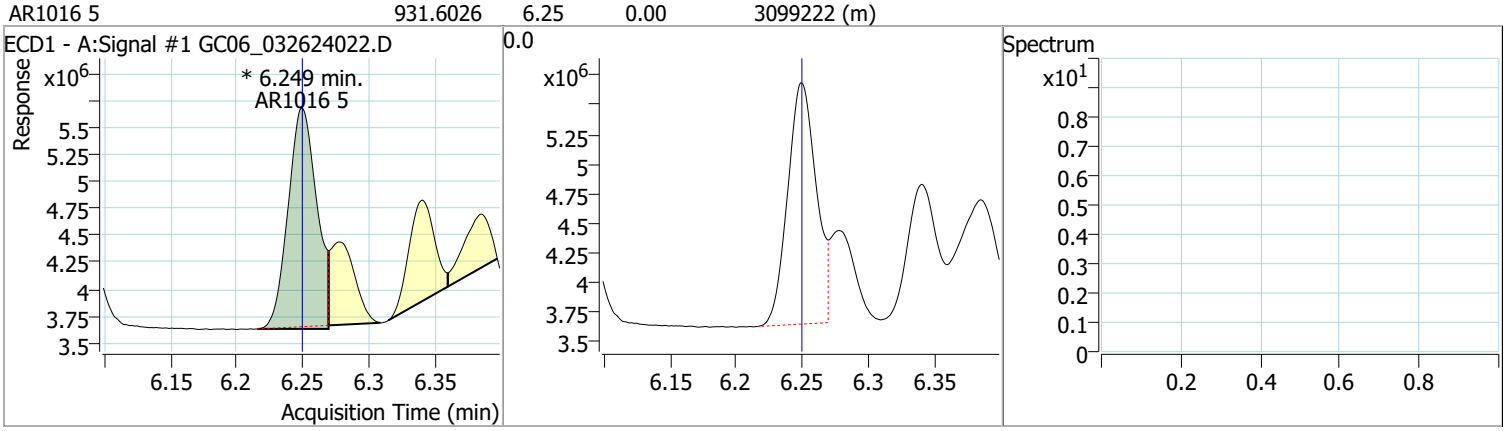
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	930.4337	5.85	0.00	3694556				



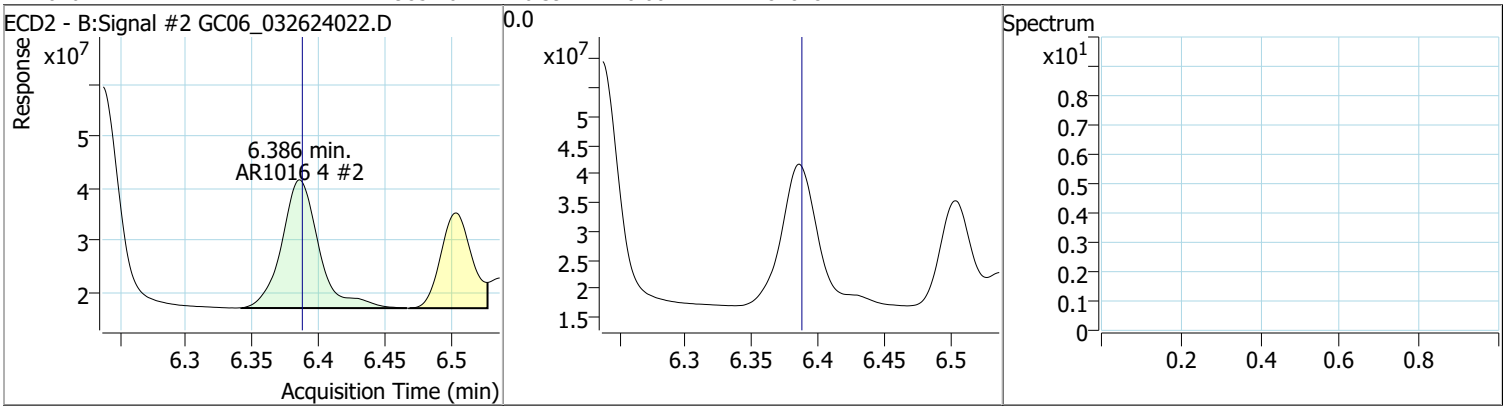
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	950.4040	6.24	0.00	70315527 (m)				



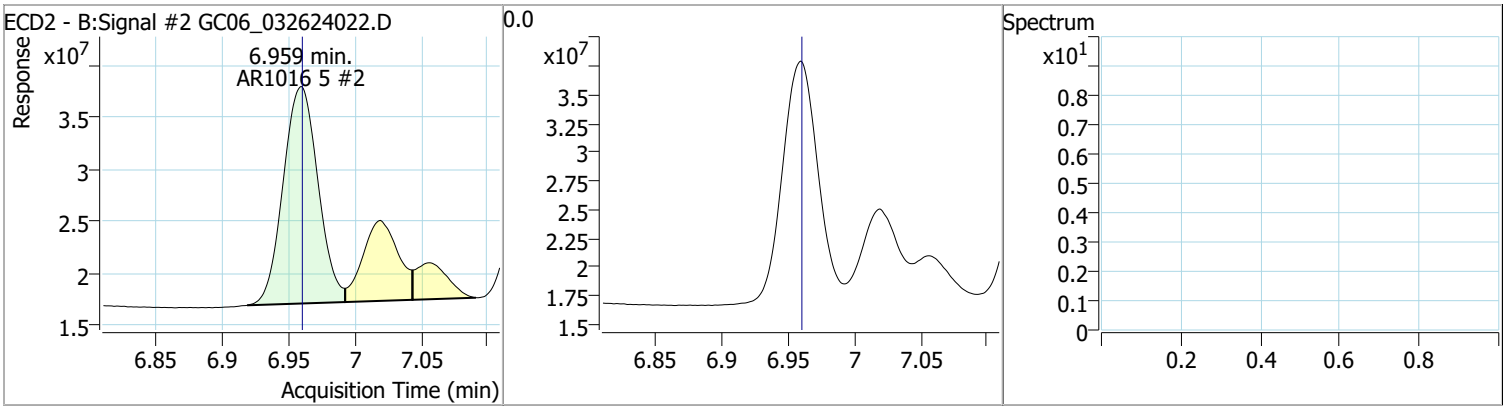
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	931.6026	6.25	0.00	3099222 (m)				



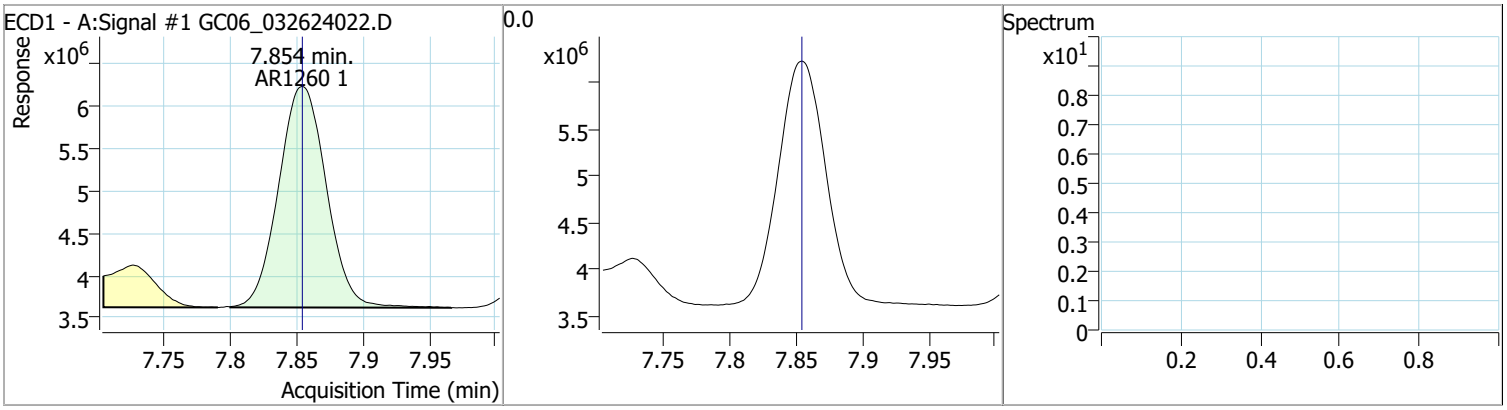
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	985.2672	6.39	0.00	48184874				



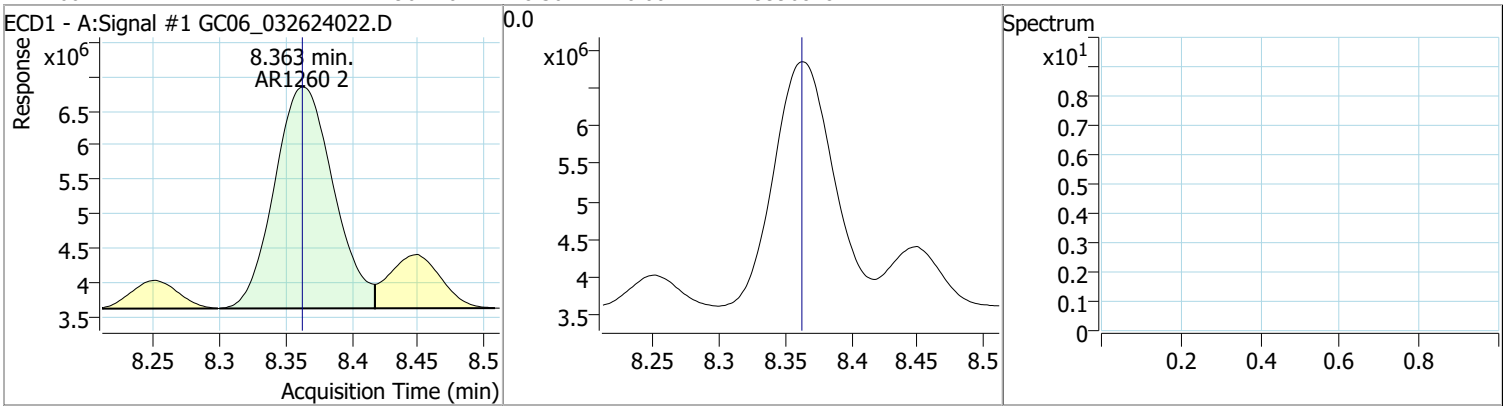
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	931.9466	6.96	0.00	38152332				



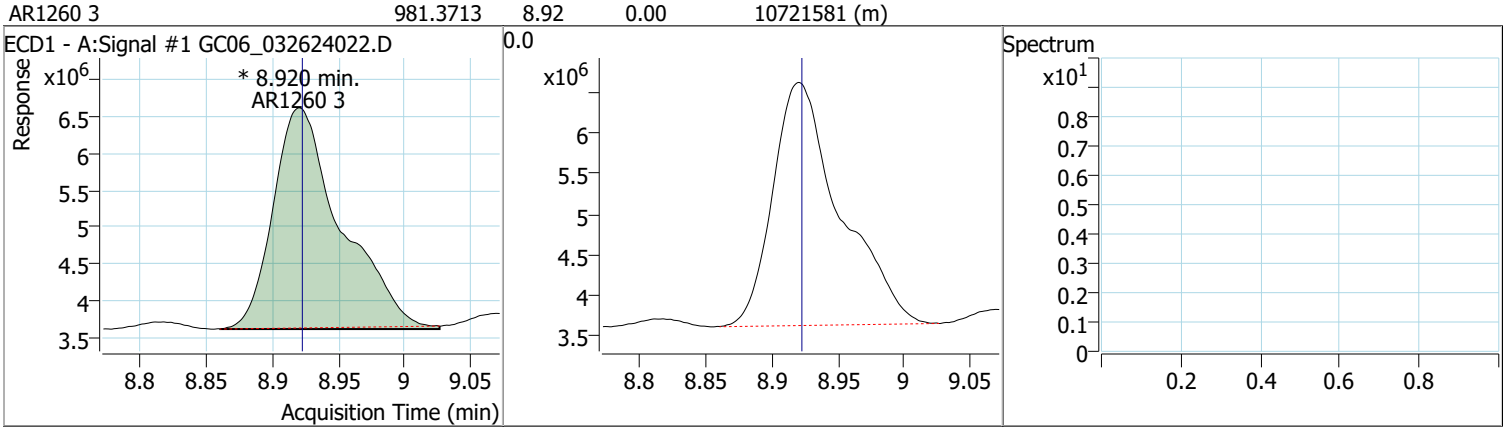
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	965.0975	7.85	0.00	6539333				



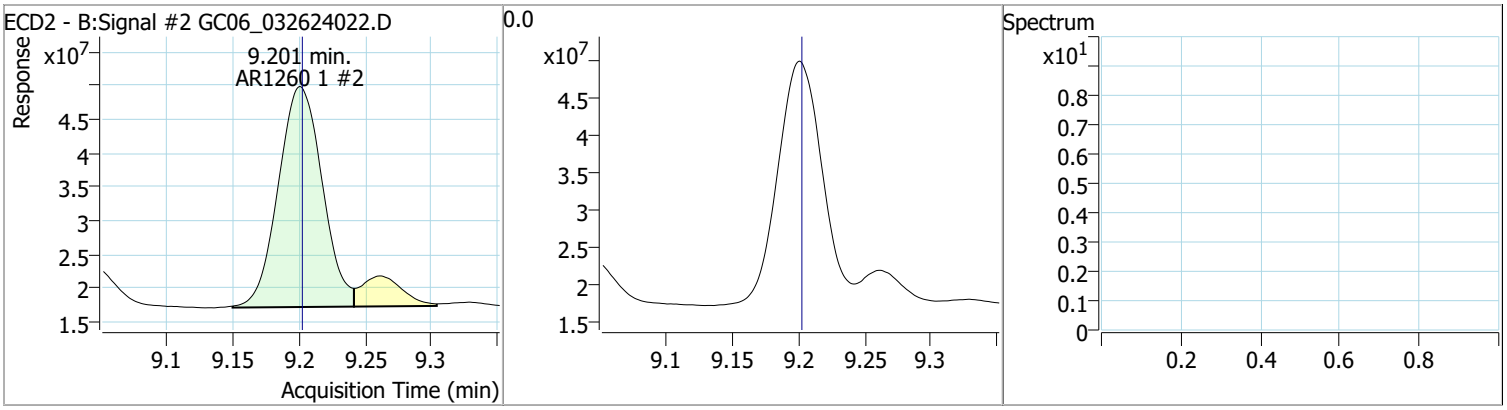
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	964.4014	8.36	0.00	9996818				



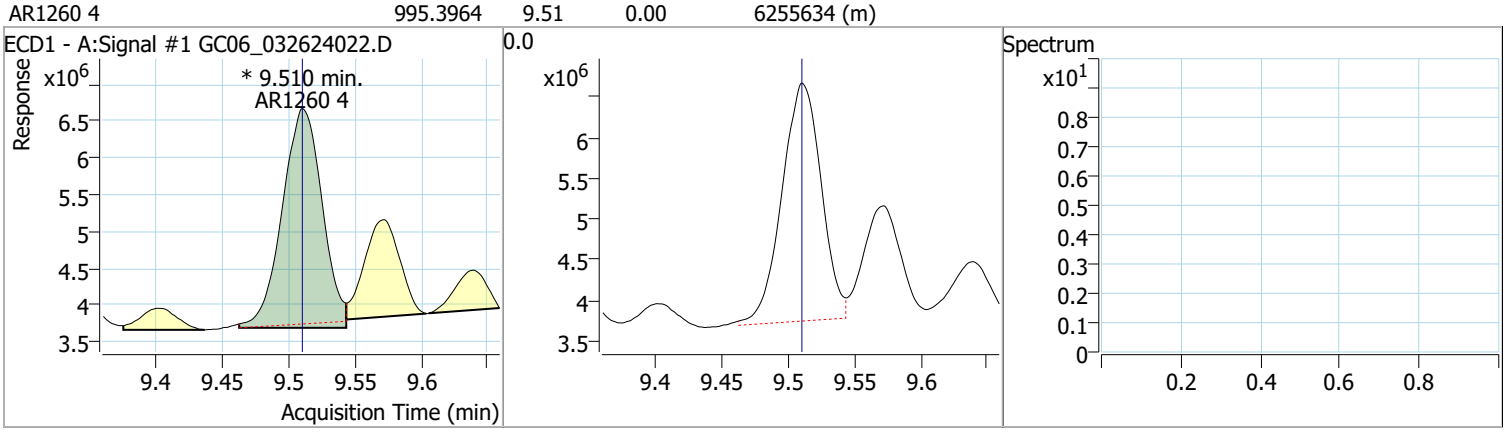
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	981.3713	8.92	0.00	10721581 (m)				



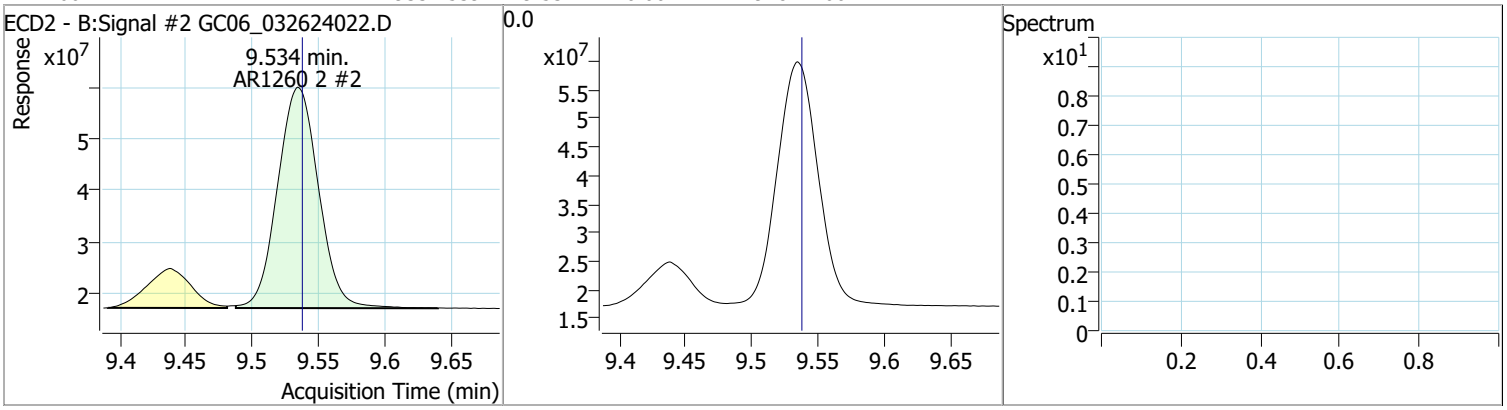
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	935.7096	9.20	0.00	75674574				



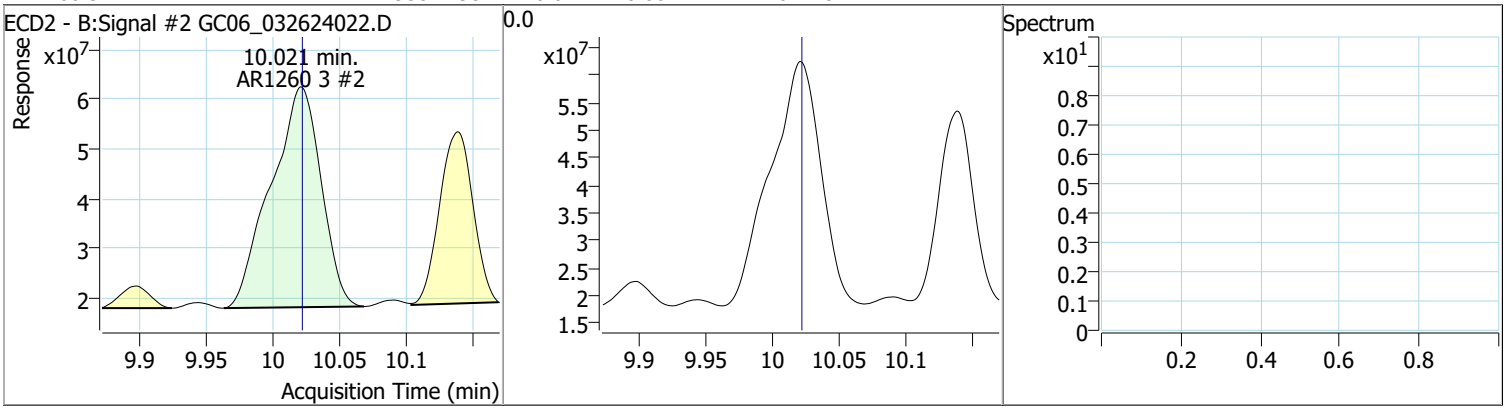
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	995.3964	9.51	0.00	6255634 (m)				



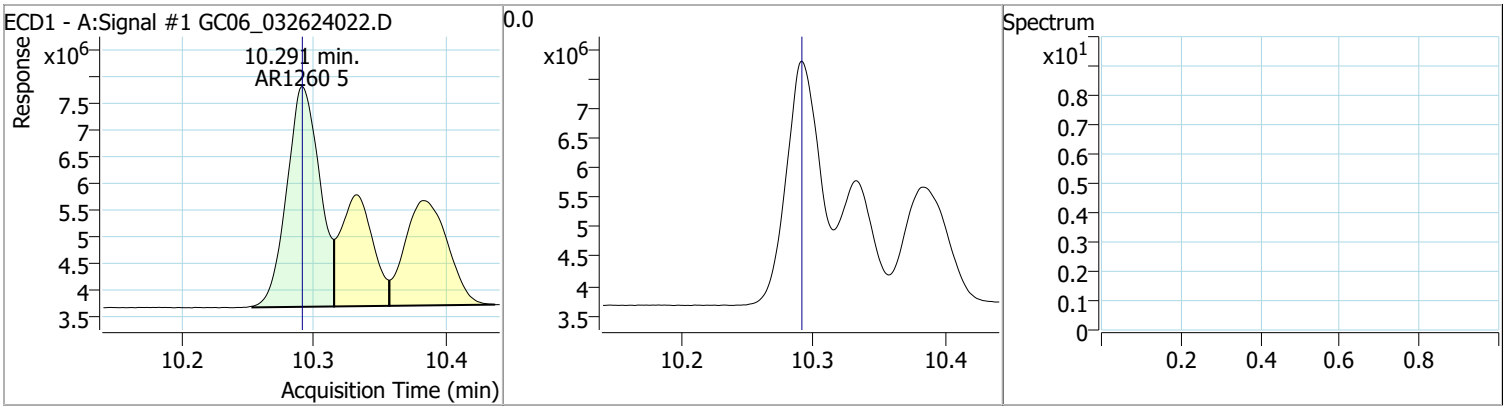
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	933.2539	9.53	0.00	91812700				



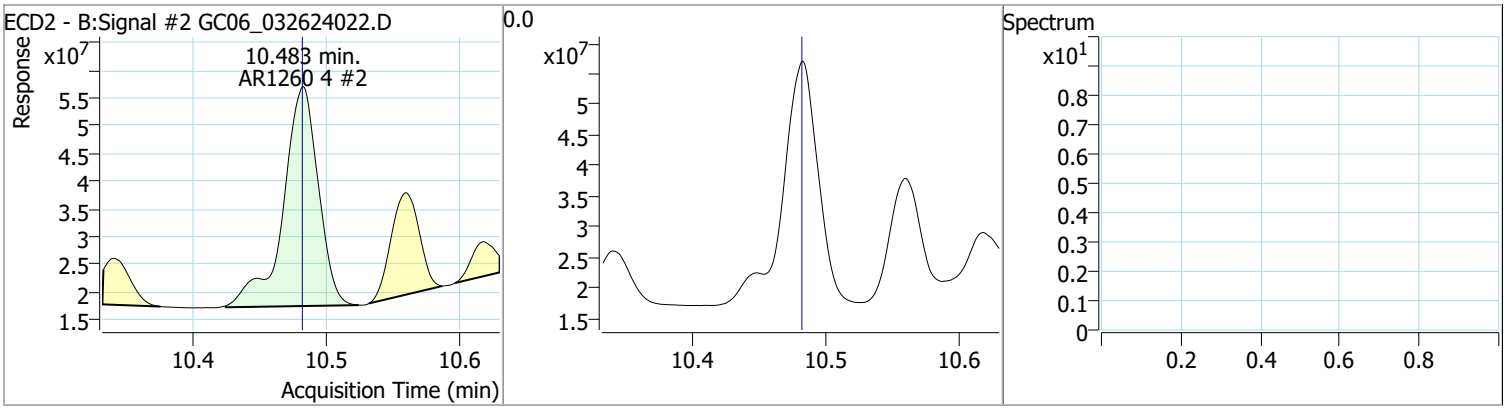
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	958.2495	10.02	0.00	116247511				



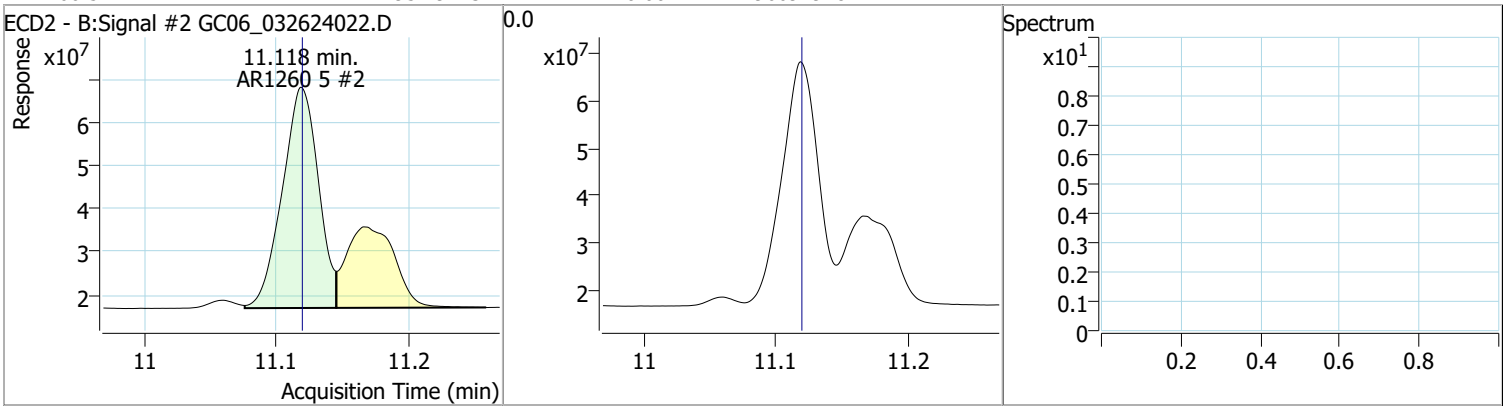
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	982.1149	10.29	0.00	7132940				



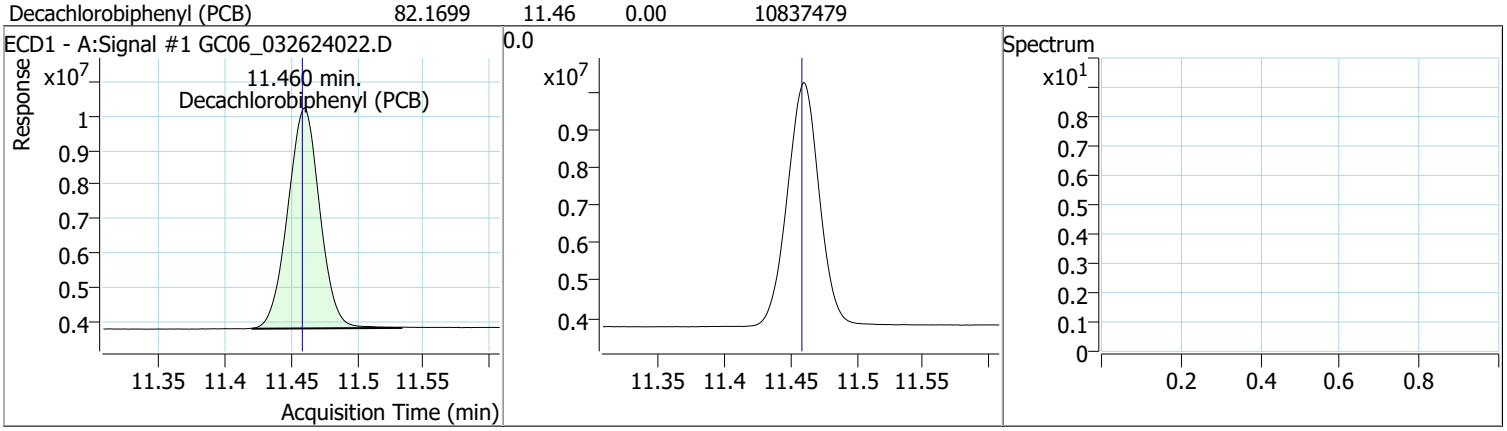
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	974.1635	10.48	0.00	73487637				



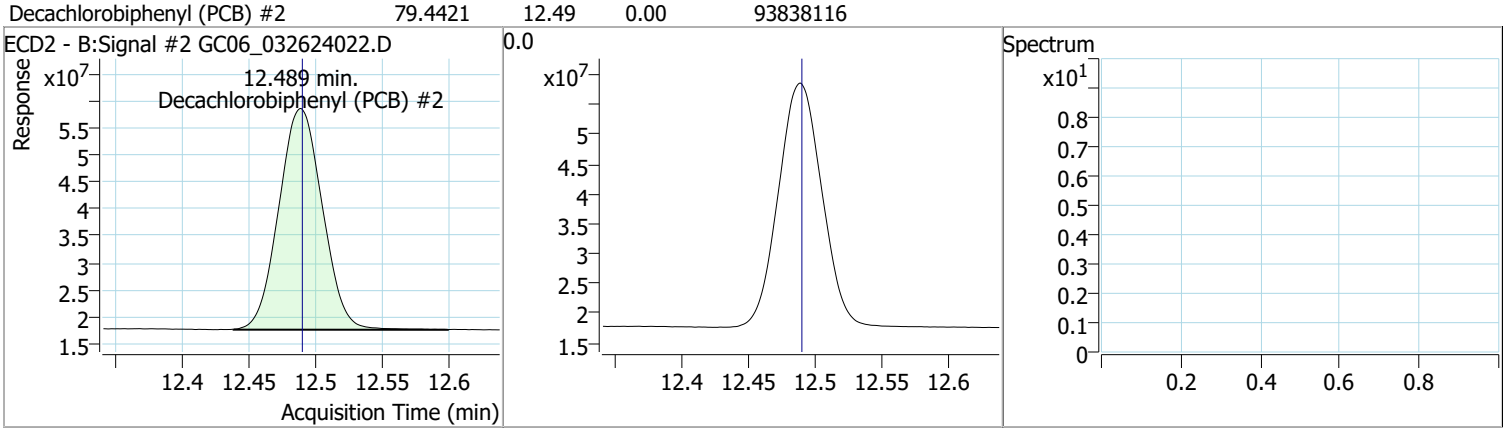
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	951.9123	11.12	0.00	96691918				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	82.1699	11.46	0.00	10837479				

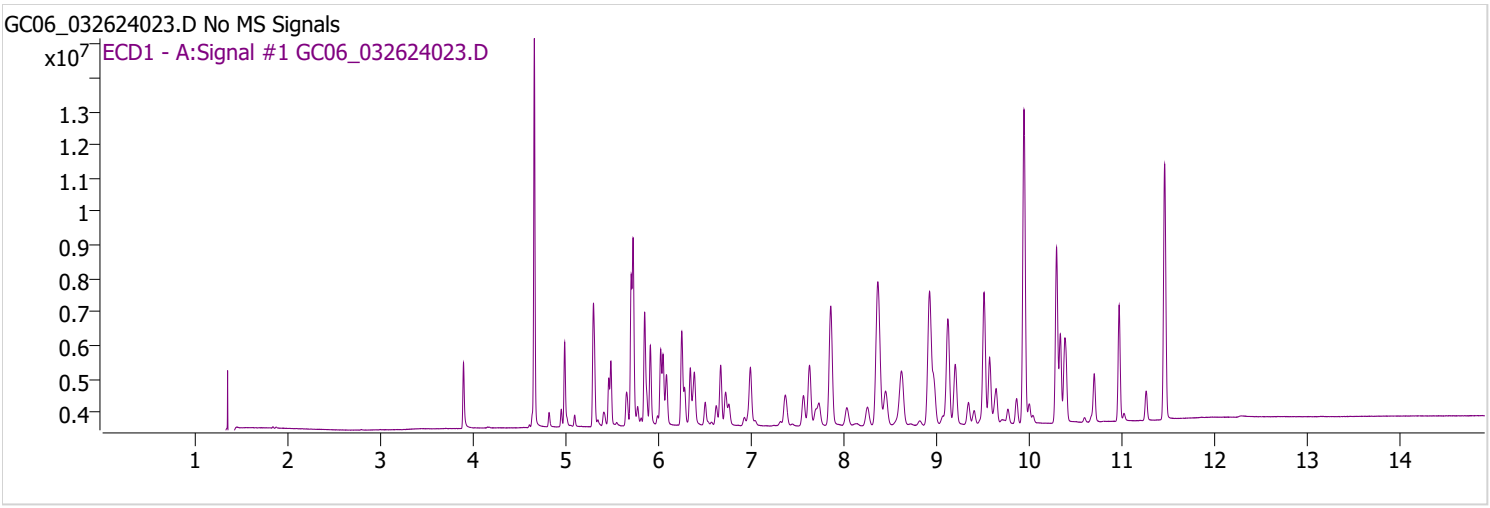


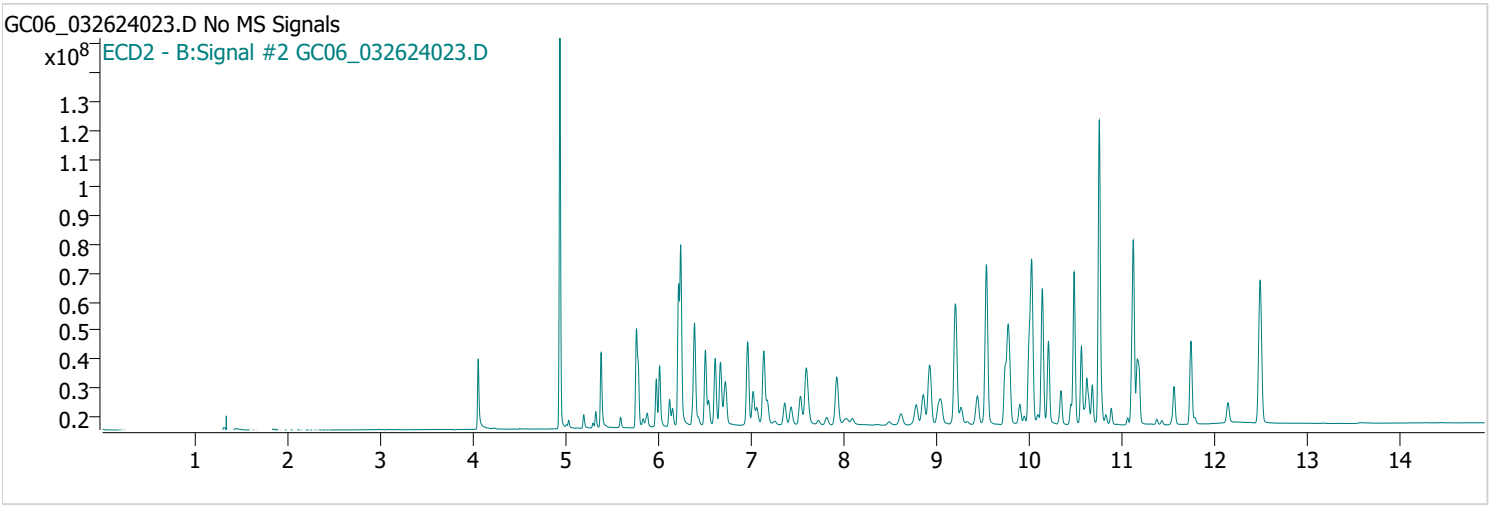
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	79.4421	12.49	0.00	93838116				



Quantitation Results Report (Not Reviewed)

Data File	GC06_032624023.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	3/26/2024 4:57:10 PM
Sample Name	ICAL, S20234	Instrument	SVOA-GC06
Vial	18	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_1.m	Comment	1500 ppb PCB ICAL 9
Tune File	ATUNE.U	Tune Date	
Batch Name	032624_PCB.batch.bin	Last Calib Update	3/27/2024 10:44:12 AM
Ref Library			



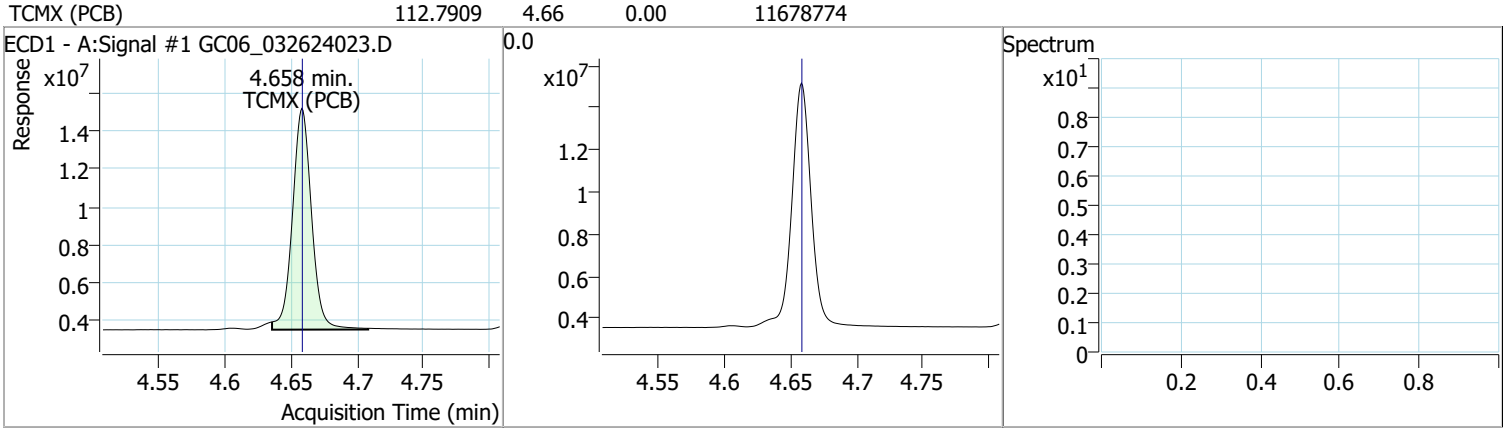


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.894	0.0	2299894.784	20.0000	ng/ml		0.001
M 1-bromo-2-nitrobenzene (PCB) #2	4.053	0.0	30044671.911	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.658	0.0	11678774.087	112.7909	ng/ml		0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 563.95%		*	
S TCMX (PCB) #2	4.934	0.0	143954996.222	110.4944	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 552.47%		*	
S Decachlorobiphenyl (PCB)	11.458	0.0	13274749.908	96.9569	ng/ml		0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 484.78%		*	
S Decachlorobiphenyl (PCB) #2	12.488	0.0	113588179.857	92.4810	ng/ml		-0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 462.40%		*	
Target Compounds							QValue

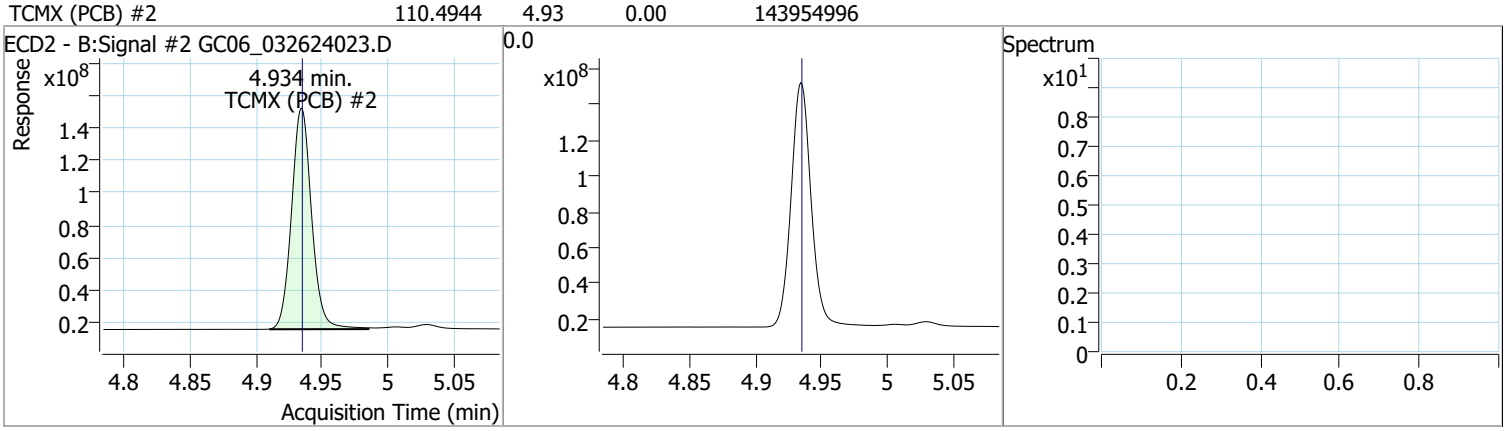
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.986	0.0	3141529.727	1270.6638	ng/ml		100
T AR1016 2	5.297	0.0	5870109.722	1293.2692	ng/ml		100
T AR1016 1 #2	5.379	0.0	35267375.359	1270.2997	ng/ml		100
T AR1016 3	5.723	0.0	7663517.518	1312.6160	ng/ml	m	100
T AR1016 2 #2	5.760	0.0	69976421.719	1259.8790	ng/ml		100
T AR1016 4	5.848	0.0	5258311.734	1275.6673	ng/ml	m	100
T AR1016 3 #2	6.238	0.0	98636715.922	1282.1631	ng/ml		100
T AR1016 5	6.249	0.0	4386304.946	1270.1201	ng/ml	m	100
T AR1016 4 #2	6.386	0.0	67751509.645	1332.3241	ng/ml		100
T AR1016 5 #2	6.960	0.0	53402837.497	1254.5324	ng/ml		100
T AR1260 1	7.857	0.0	8655859.195	1230.5970	ng/ml		100
T AR1260 2	8.364	0.0	13063356.694	1214.0003	ng/ml		100
T AR1260 3	8.923	0.0	13752148.356	1212.5873	ng/ml		100
T AR1260 1 #2	9.200	0.0	100170509.670	1191.1834	ng/ml		100
T AR1260 4	9.510	0.0	8022474.428	1229.7053	ng/ml	m	100
T AR1260 2 #2	9.536	0.0	118177788.322	1155.2622	ng/ml		100
T AR1260 3 #2	10.023	0.0	150948156.600	1196.6590	ng/ml		100
T AR1260 5	10.293	0.0	9354424.869	1240.7343	ng/ml		100
T AR1260 4 #2	10.482	0.0	94607003.539	1206.1143	ng/ml		100
T AR1260 5 #2	11.119	0.0	123031677.039	1164.8536	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

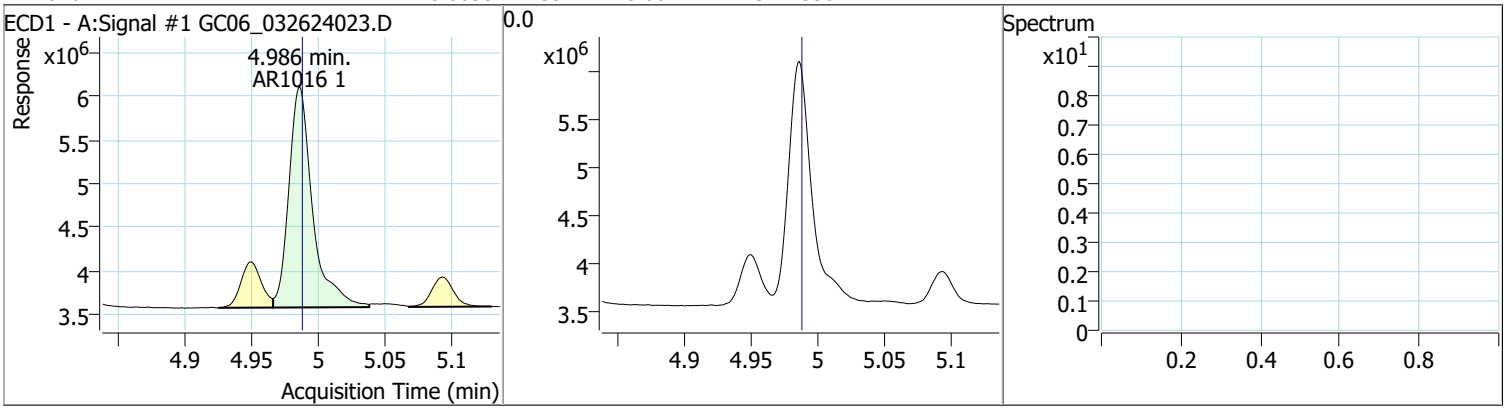
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	112.7909	4.66	0.00	11678774				



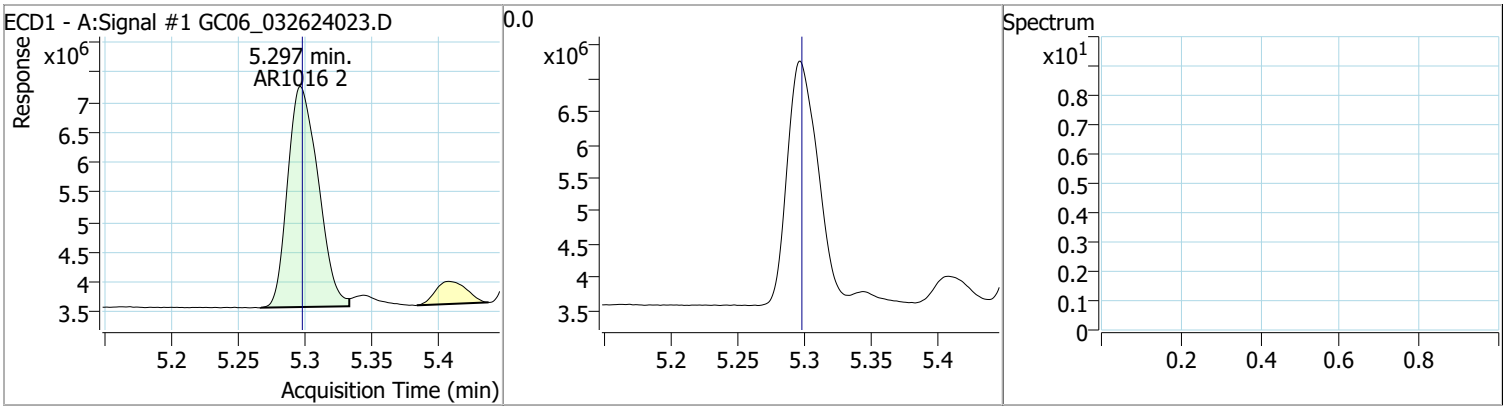
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	110.4944	4.93	0.00	143954996				



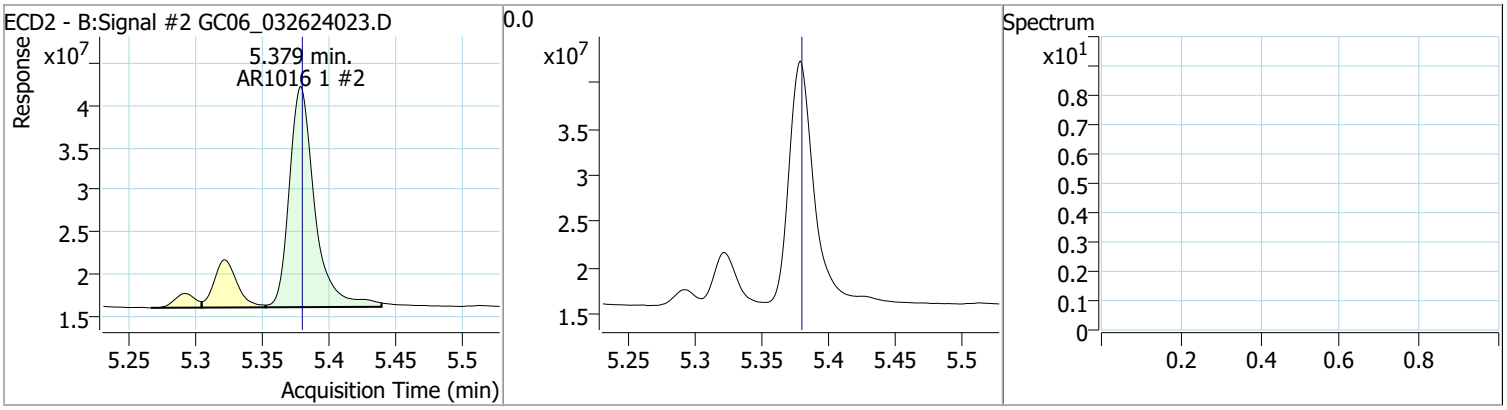
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1270.6638	4.99	0.00	3141530				



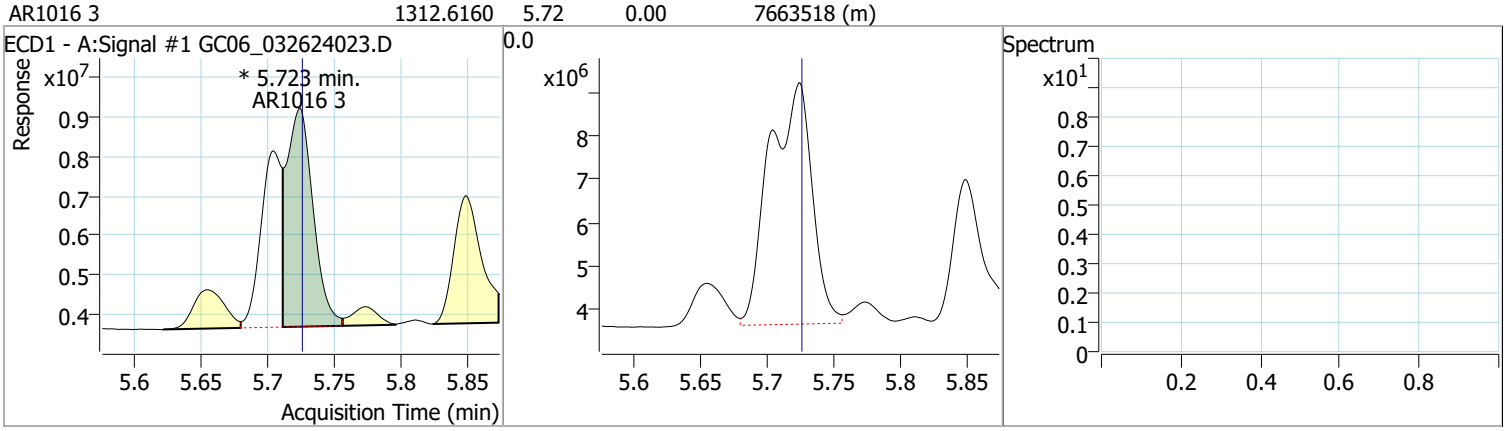
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1293.2692	5.30	0.00	5870110				



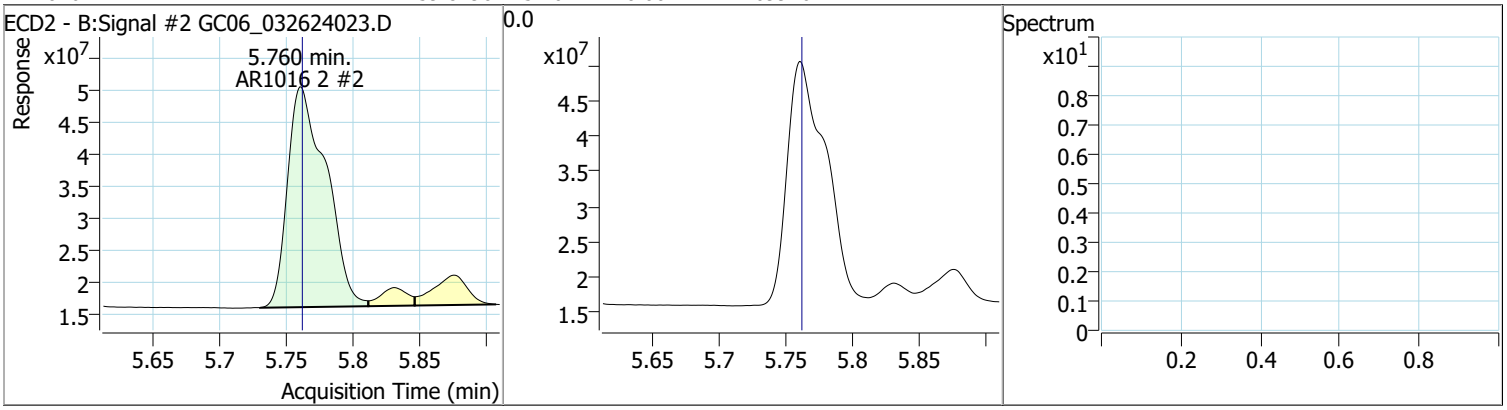
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AR1016 1 #2	1270.2997	5.38	0.00	35267375				



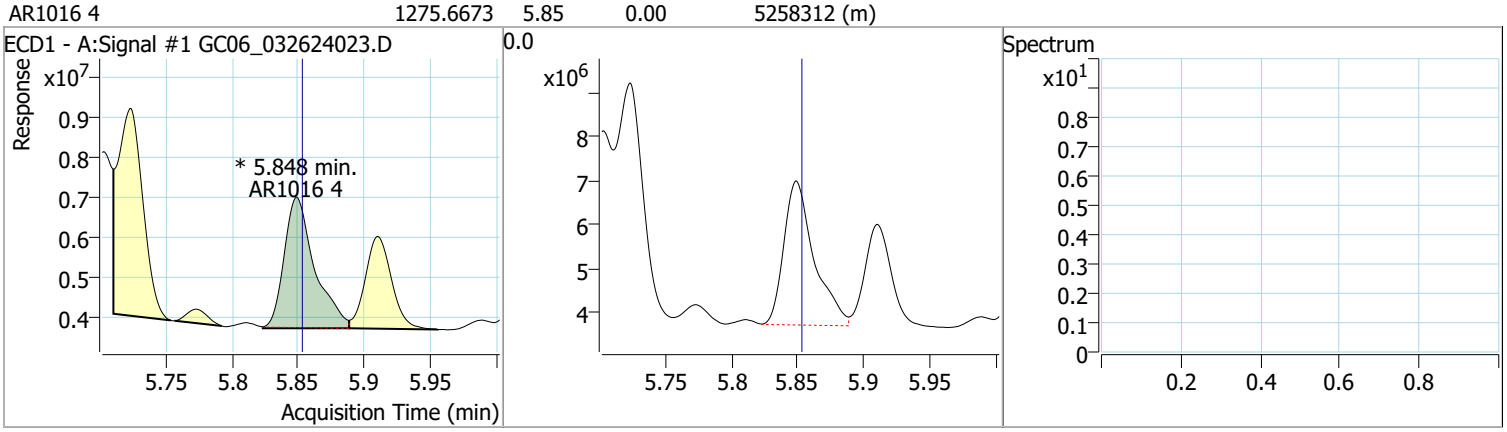
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1312.6160	5.72	0.00	7663518 (m)				



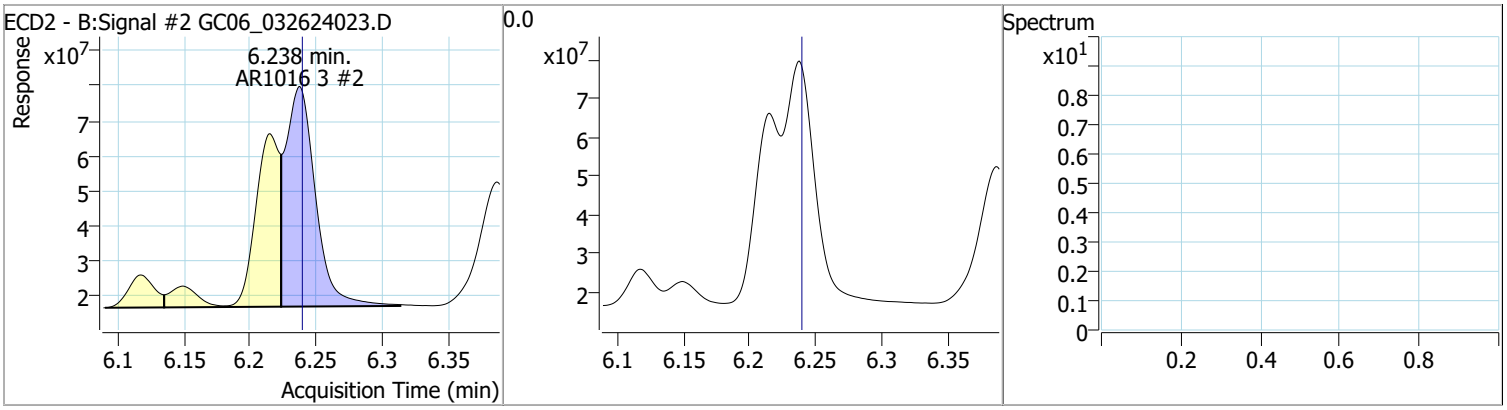
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1259.8790	5.76	0.00	69976422				



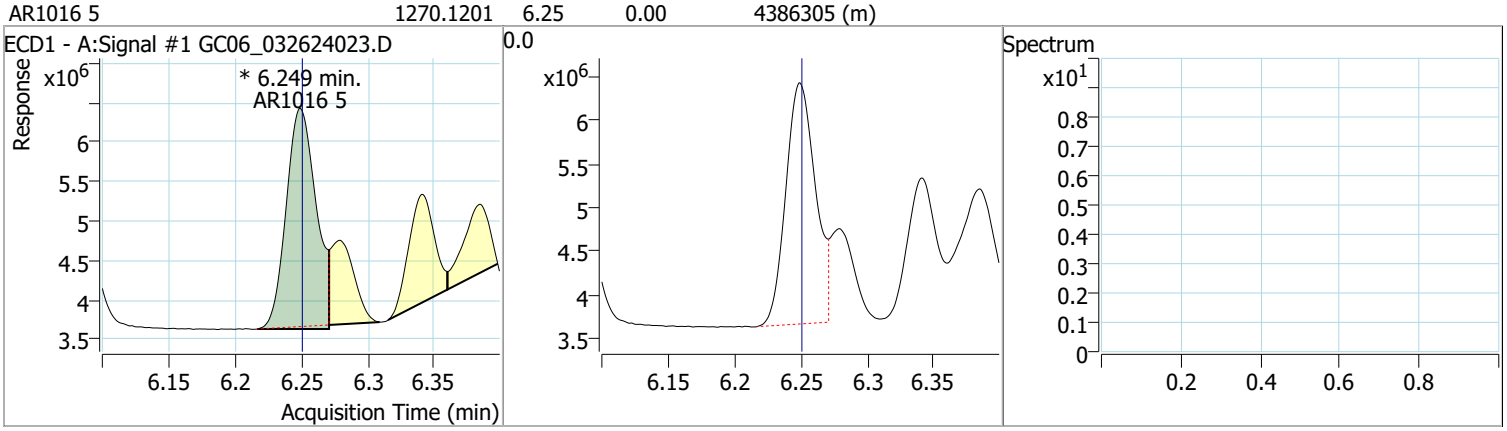
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1275.6673	5.85	0.00	5258312 (m)				



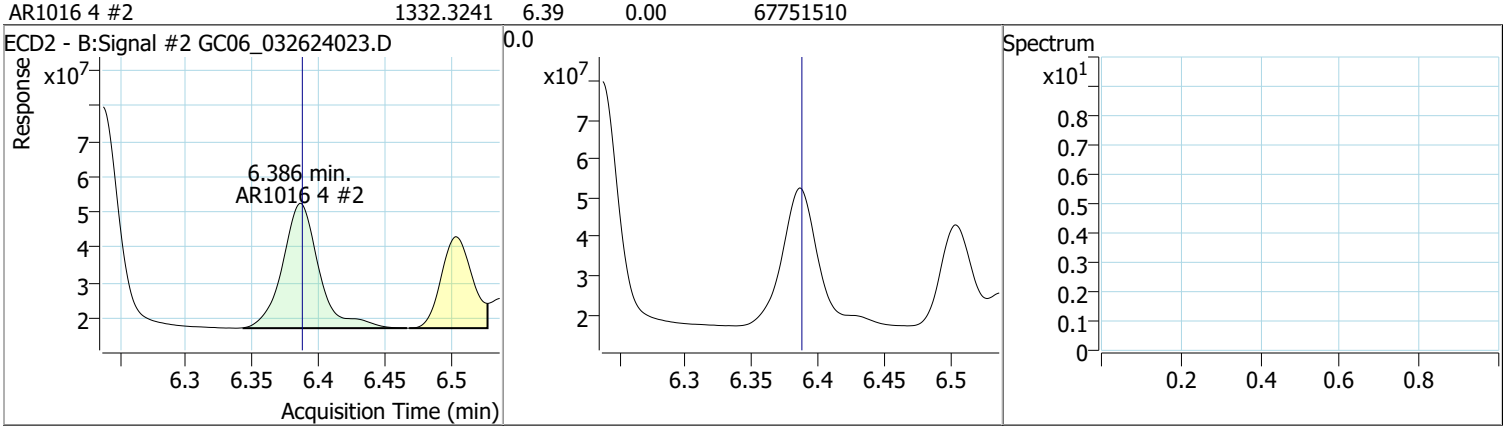
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1282.1631	6.24	0.00	98636716				



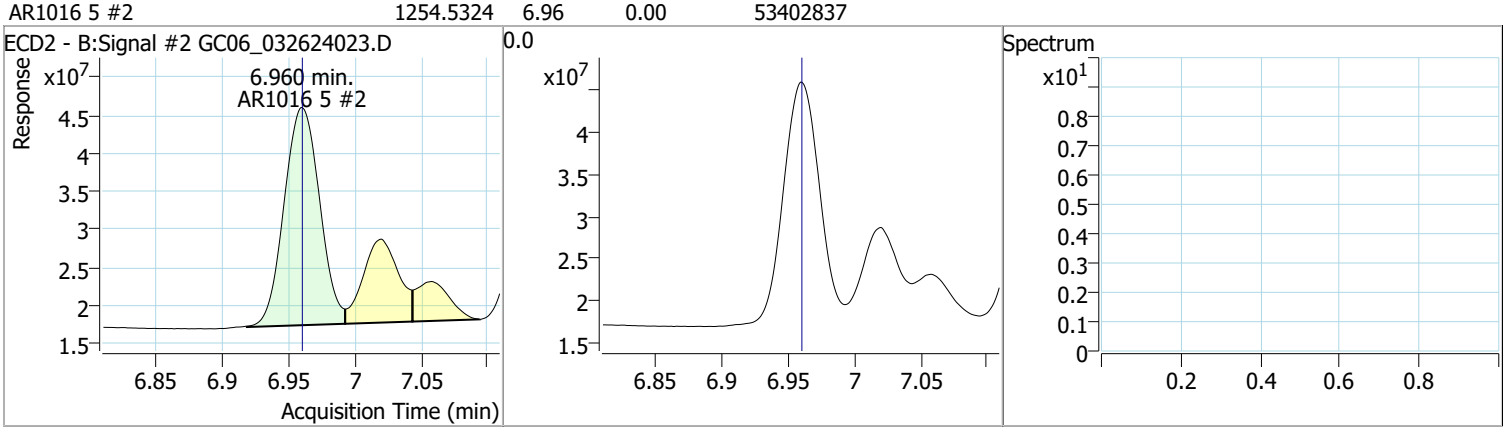
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AR1016 5	1270.1201	6.25	0.00	4386305 (m)				



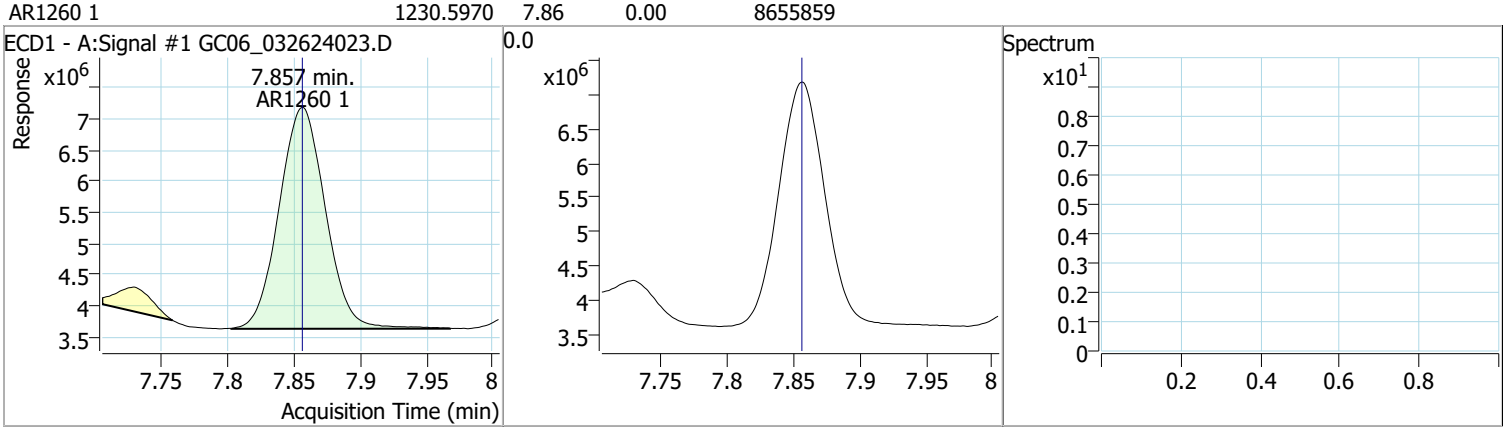
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1332.3241	6.39	0.00	67751510				



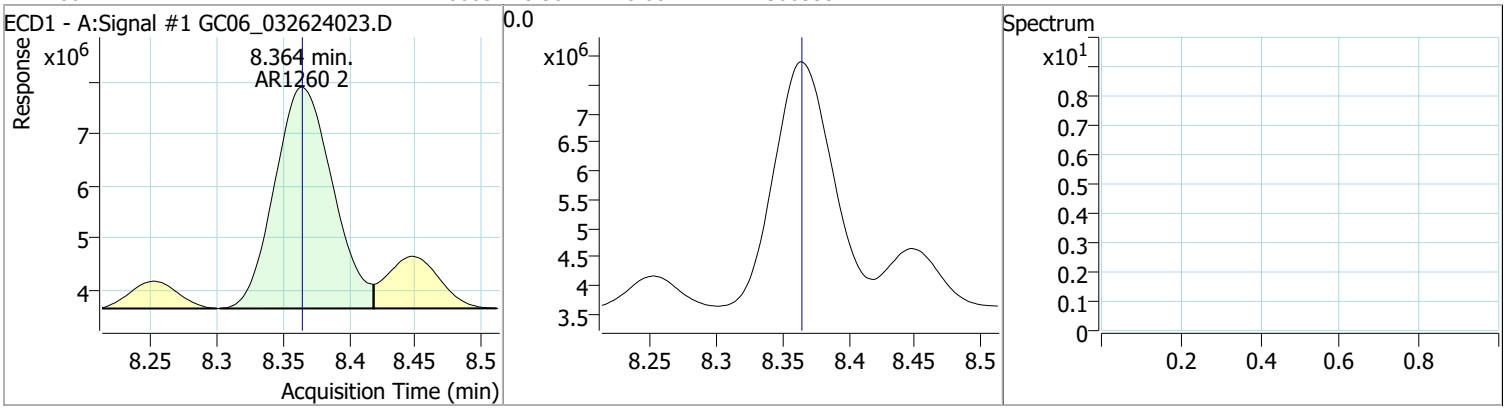
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1254.5324	6.96	0.00	53402837				



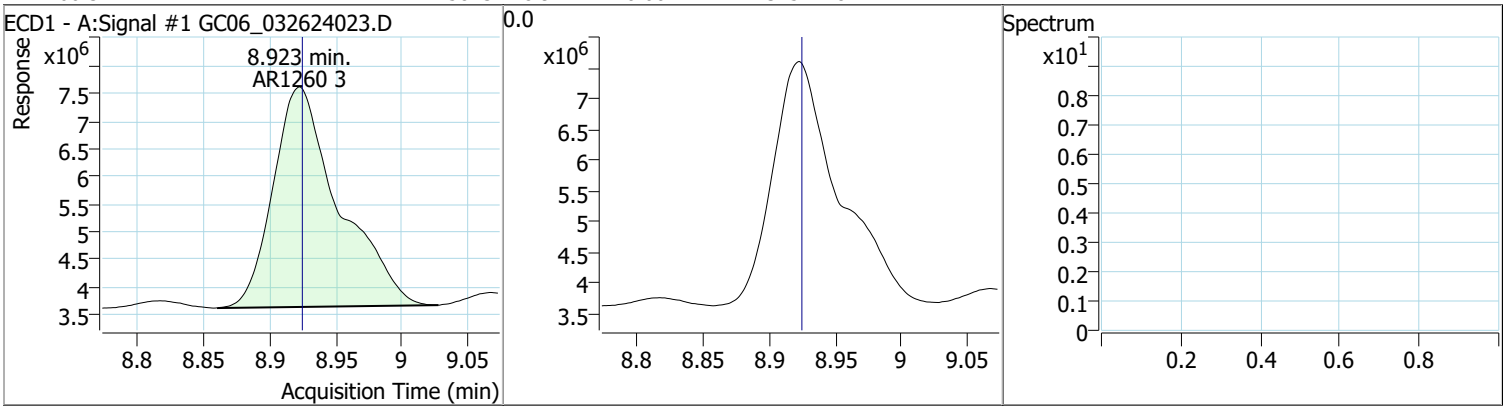
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1230.5970	7.86	0.00	8655859				



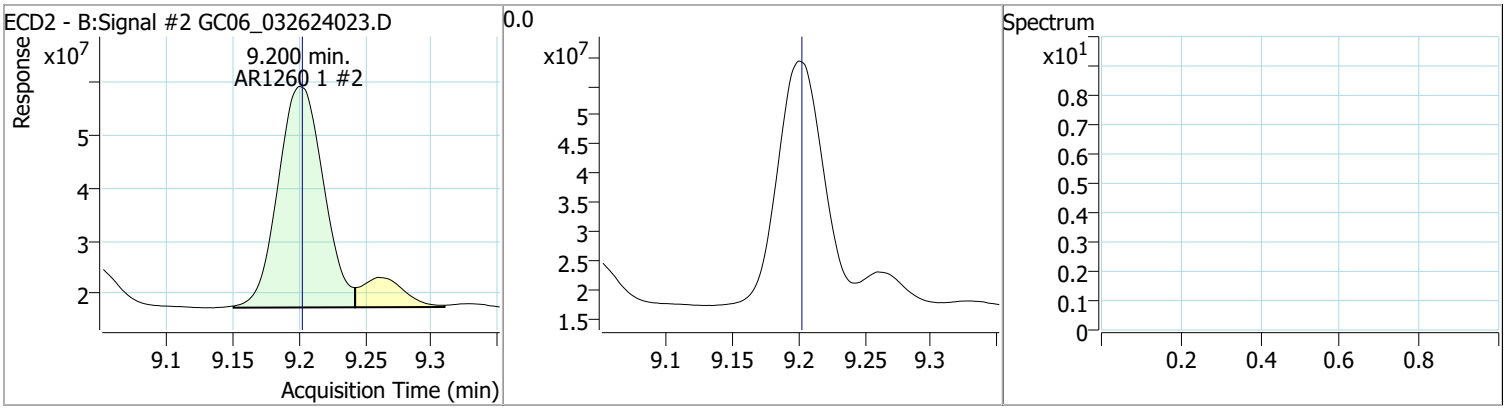
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1214.0003	8.36	0.00	13063357				



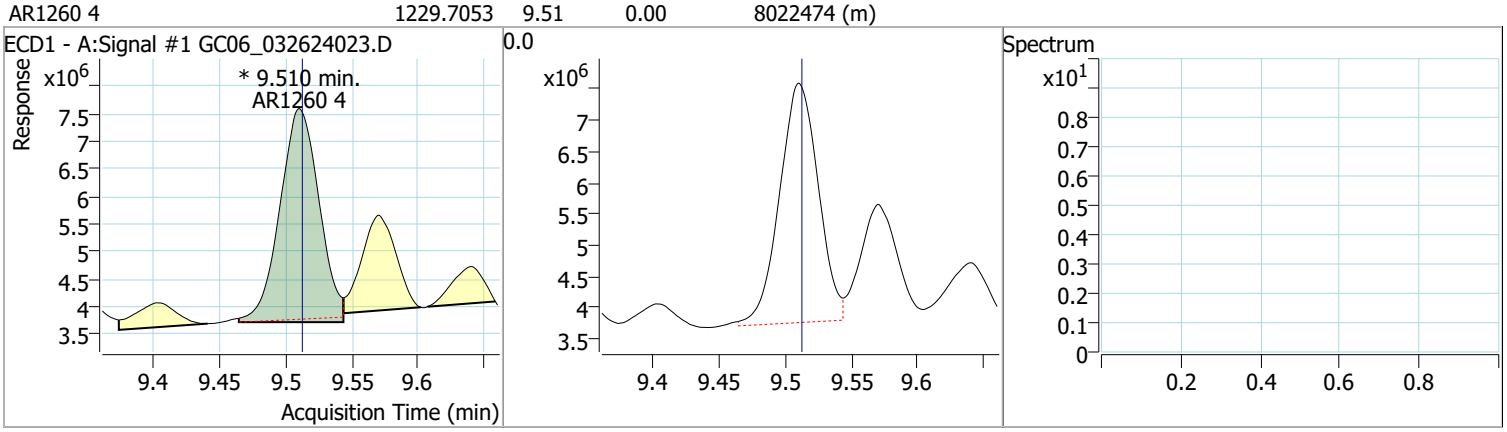
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1212.5873	8.92	0.00	13752148				



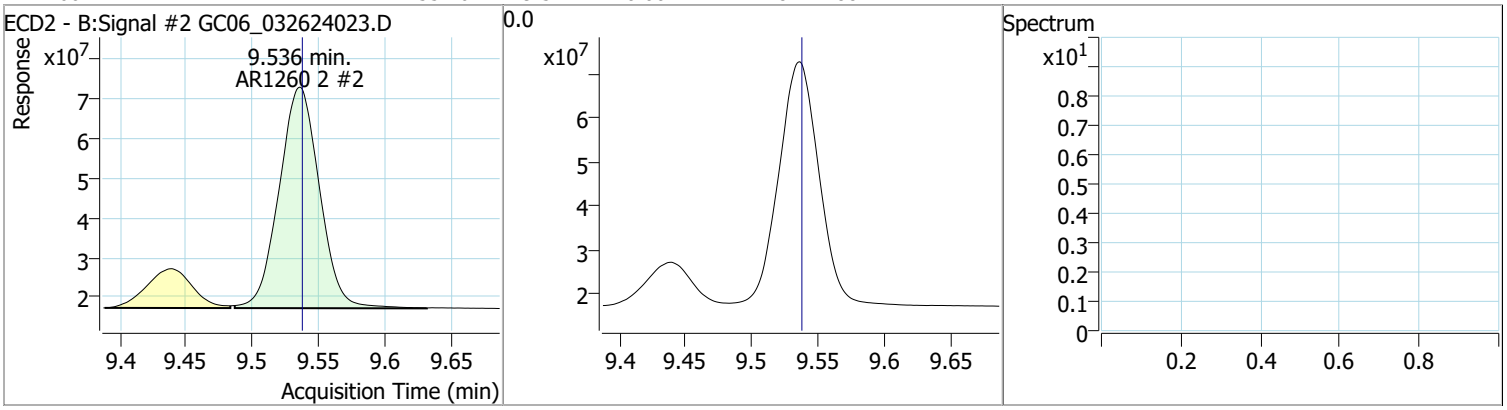
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1191.1834	9.20	0.00	100170510				



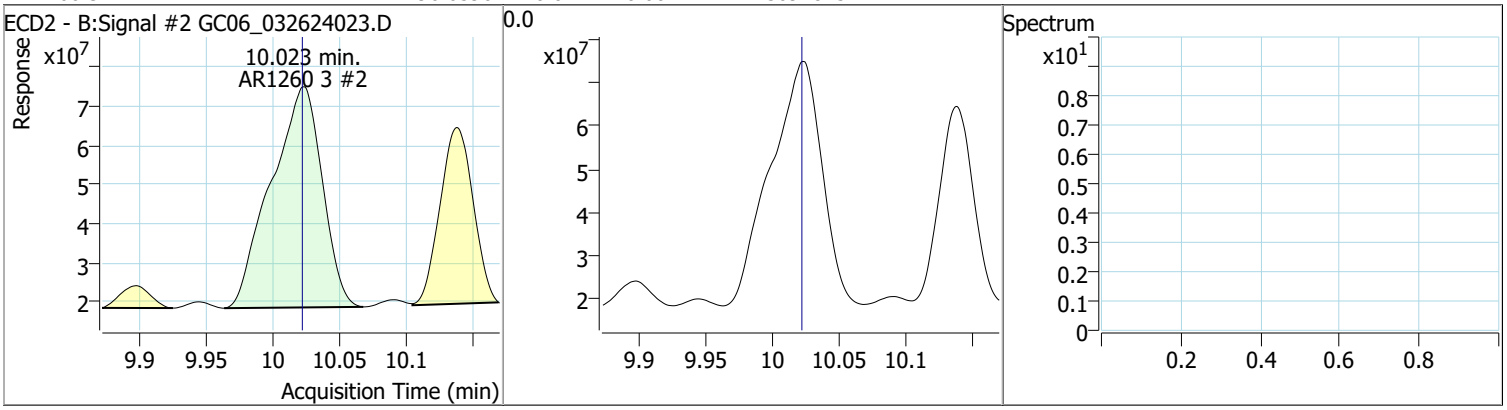
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1229.7053	9.51	0.00	8022474 (m)				



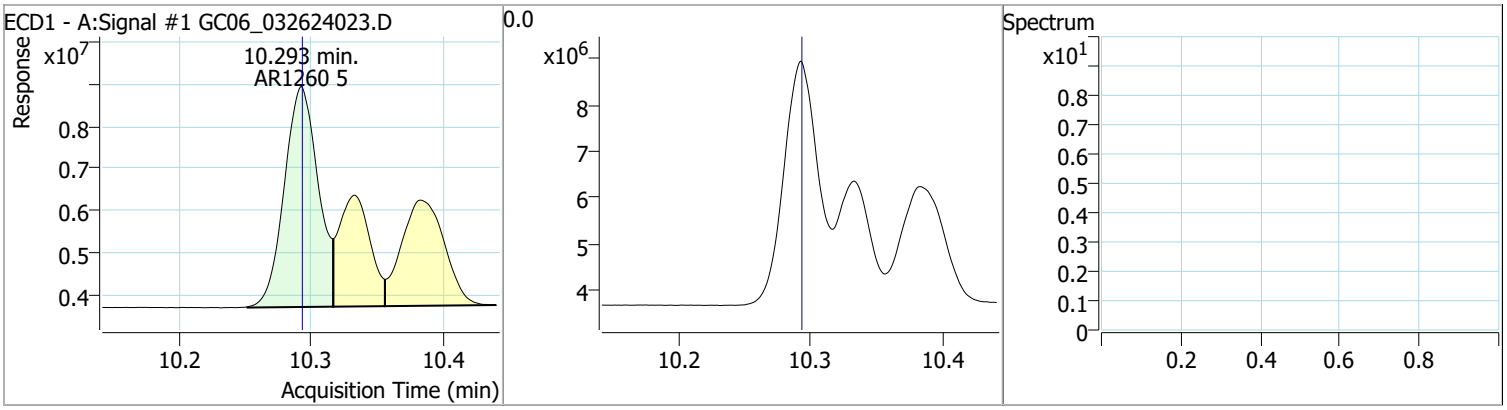
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1155.2622	9.54	0.00	118177788				



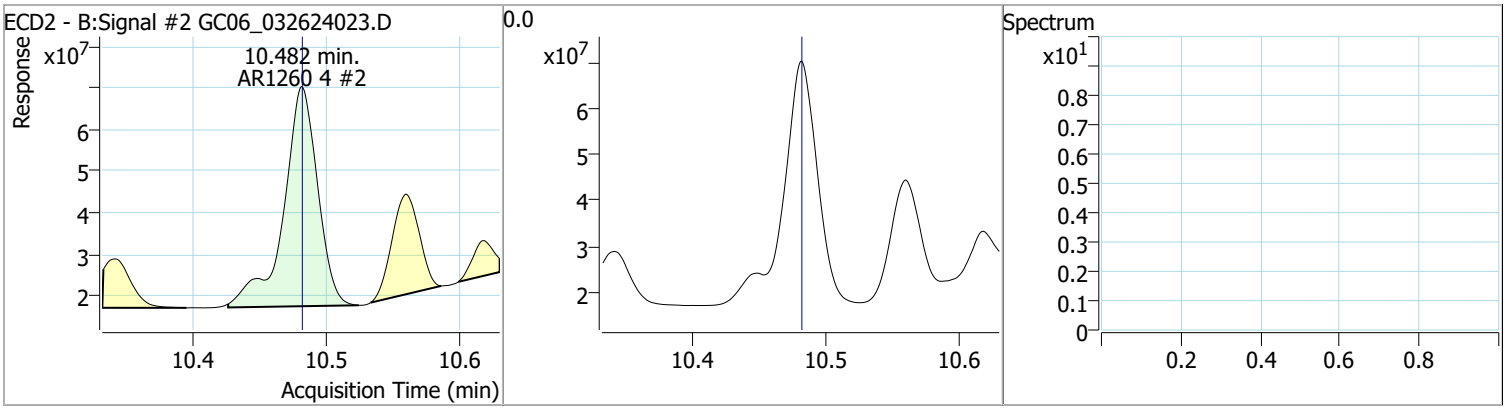
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1196.6590	10.02	0.00	150948157				



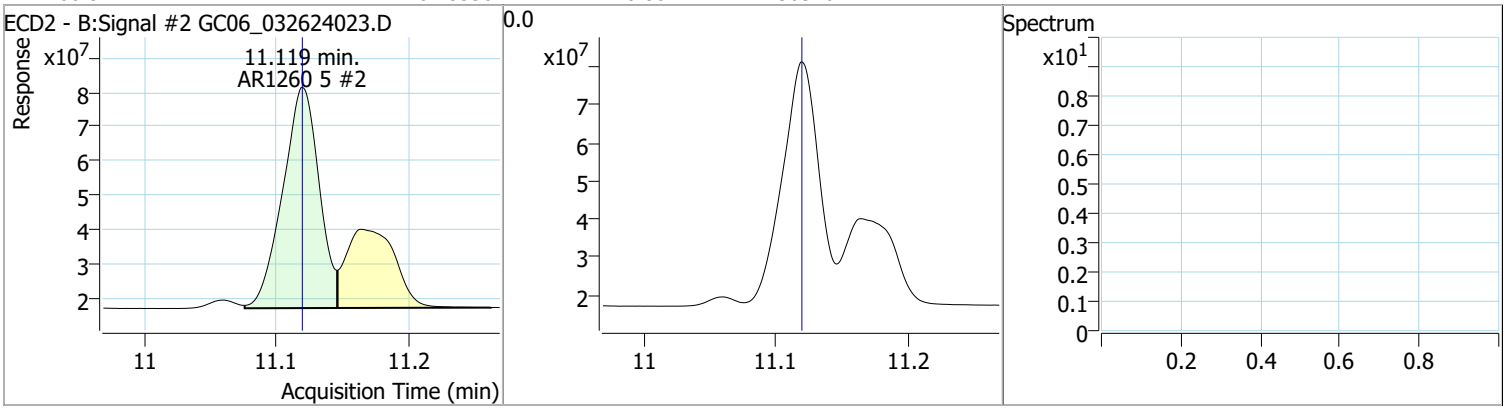
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1240.7343	10.29	0.00	9354425				



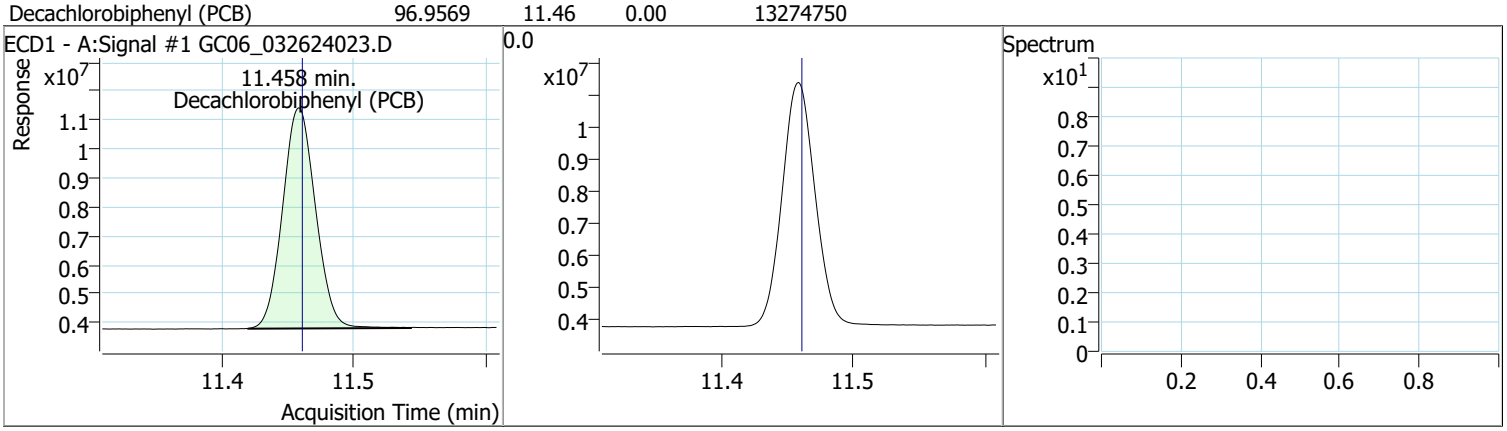
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1206.1143	10.48	0.00	94607004				



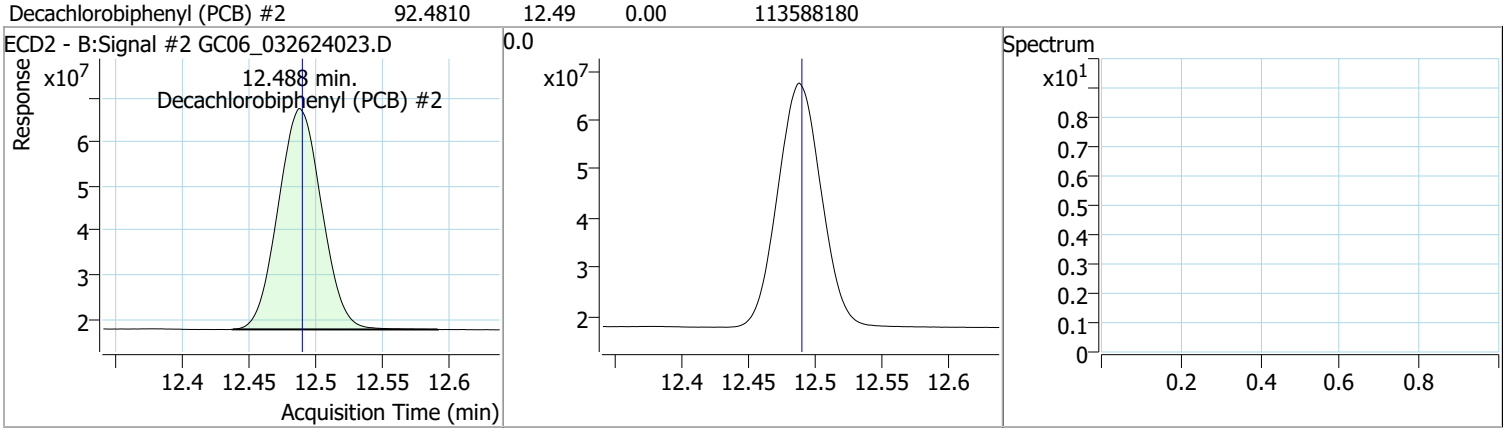
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1164.8536	11.12	0.00	123031677				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	96.9569	11.46	0.00	13274750				

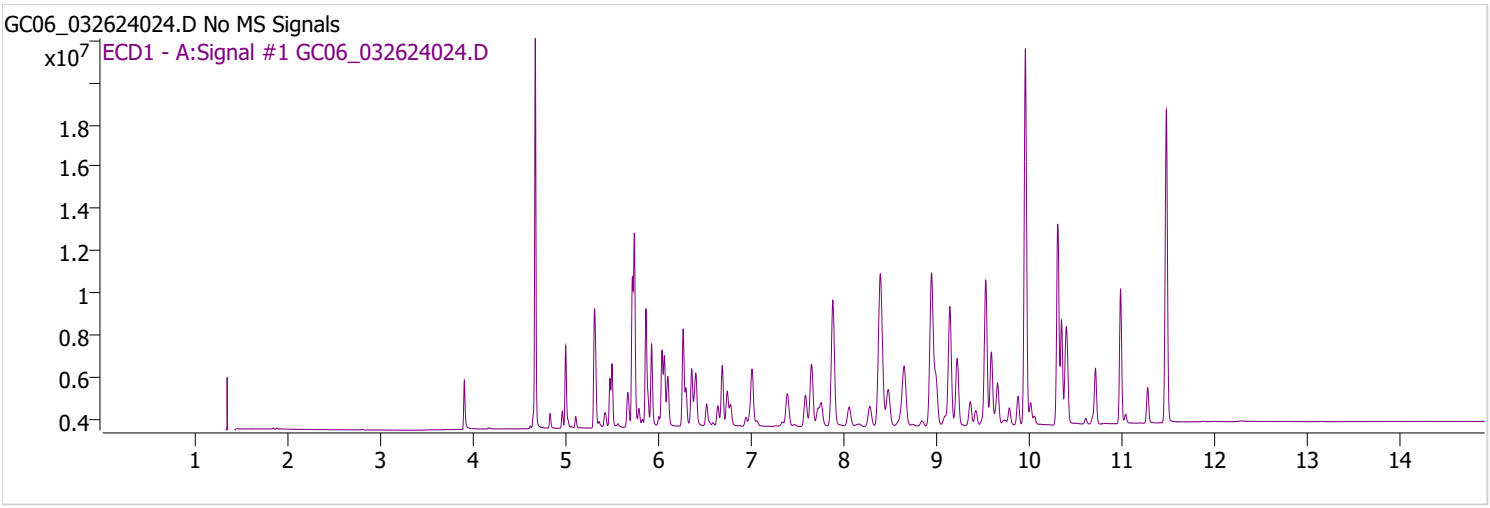


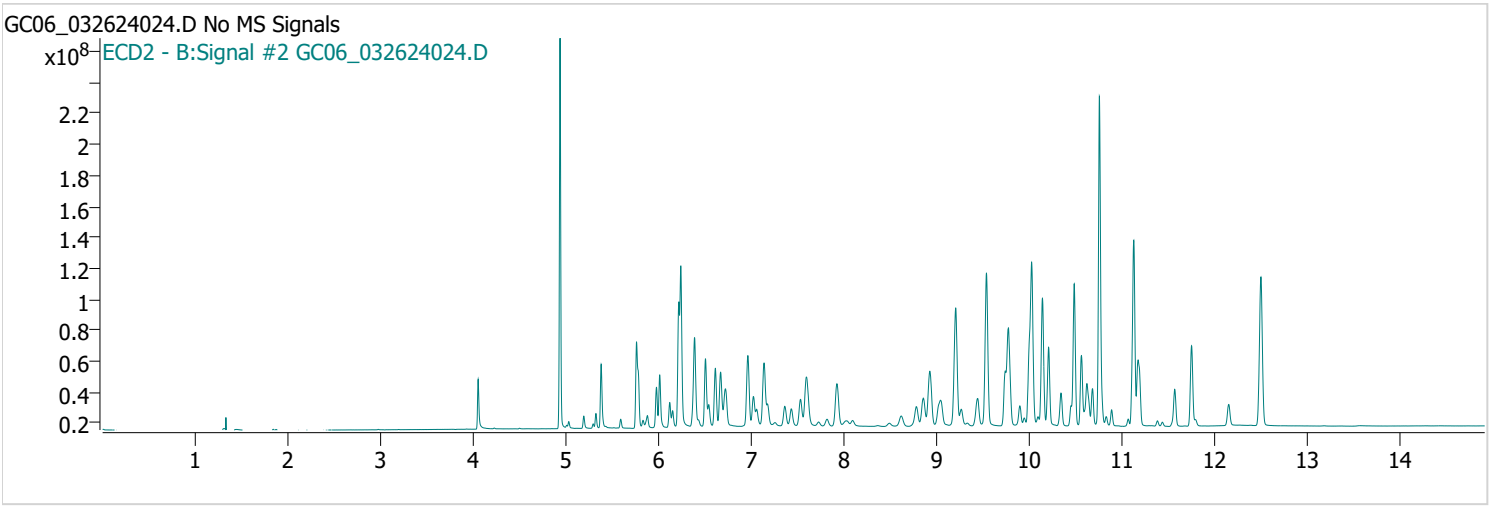
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	92.4810	12.49	0.00	113588180				



Quantitation Results Report (Not Reviewed)

Data File	GC06_032624024.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	3/26/2024 7:13:45 PM
Sample Name	ICAL, S20235	Instrument	SVOA-GC06
Vial	19	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_1.m	Comment	2000 ppb PCB ICAL 10
Tune File	ATUNE.U	Tune Date	
Batch Name	032624_PCB.batch.bin	Last Calib Update	3/27/2024 10:44:12 AM
Ref Library			



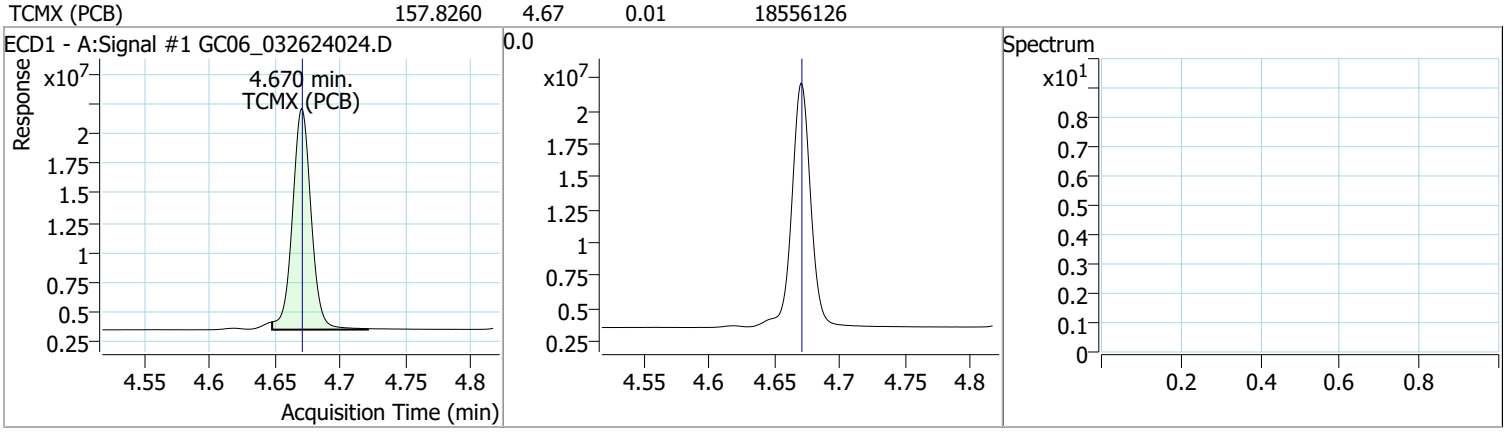


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.904	0.0	2611521.539	20.0000	ng/ml		0.011
M 1-bromo-2-nitrobenzene (PCB) #2	4.053	0.0	36077181.262	20.0000	ng/ml		0.001
System Monitoring Compounds							
S TCMX (PCB)	4.670	0.0	18556125.862	157.8260	ng/ml		0.013
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 789.13%		*	
S TCMX (PCB) #2	4.938	0.0	244661804.223	156.3919	ng/ml		0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 781.96%		*	
S Decachlorobiphenyl (PCB)	11.482	0.0	25552167.180	164.3594	ng/ml		0.024
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 821.80%		*	
S Decachlorobiphenyl (PCB) #2	12.503	0.0	212051420.981	143.7790	ng/ml		0.013
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 718.89%		*	
Target Compounds							QValue

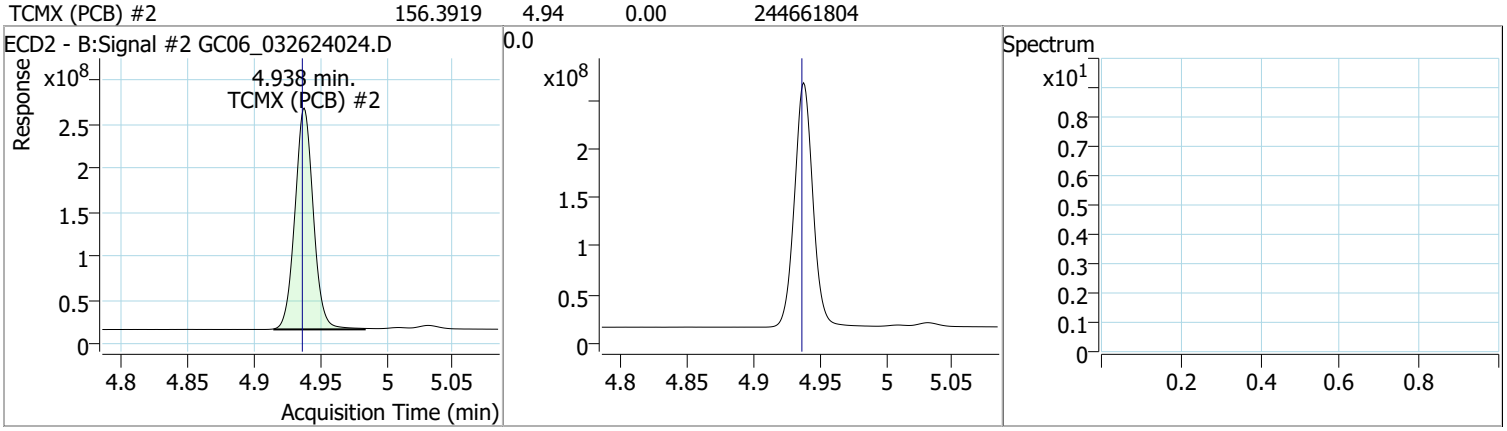
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.998	0.0	4856303.299	1729.8547	ng/ml		100
T AR1016 2	5.310	0.0	9118950.225	1769.3018	ng/ml		100
T AR1016 1 #2	5.381	0.0	53715317.927	1611.2616	ng/ml		100
T AR1016 3	5.739	0.0	12023687.663	1813.6838	ng/ml		100
T AR1016 2 #2	5.763	0.0	109158652.444	1636.7039	ng/ml		100
T AR1016 4	5.865	0.0	8374300.817	1789.1800	ng/ml		100
T AR1016 3 #2	6.241	0.0	159859148.606	1730.5216	ng/ml		100
T AR1016 5	6.266	0.0	6947532.090	1771.7028	ng/ml	m	100
T AR1016 4 #2	6.389	0.0	109730519.044	1797.0213	ng/ml		100
T AR1016 5 #2	6.964	0.0	88700632.230	1735.3183	ng/ml	m	100
T AR1260 1	7.882	0.0	14130953.252	1769.2593	ng/ml		100
T AR1260 2	8.394	0.0	21914061.158	1793.4994	ng/ml	m	100
T AR1260 3	8.947	0.0	24451827.444	1898.7516	ng/ml		100
T AR1260 1 #2	9.208	0.0	173587174.933	1719.0609	ng/ml		100
T AR1260 4	9.532	0.0	14167130.277	1912.4449	ng/ml	m	100
T AR1260 2 #2	9.539	0.0	205886947.374	1676.1326	ng/ml		100
T AR1260 3 #2	10.028	0.0	266717883.539	1760.8793	ng/ml		100
T AR1260 5	10.309	0.0	17040187.983	1990.4462	ng/ml		100
T AR1260 4 #2	10.488	0.0	170285214.327	1807.9108	ng/ml		100
T AR1260 5 #2	11.130	0.0	224128870.962	1767.2056	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

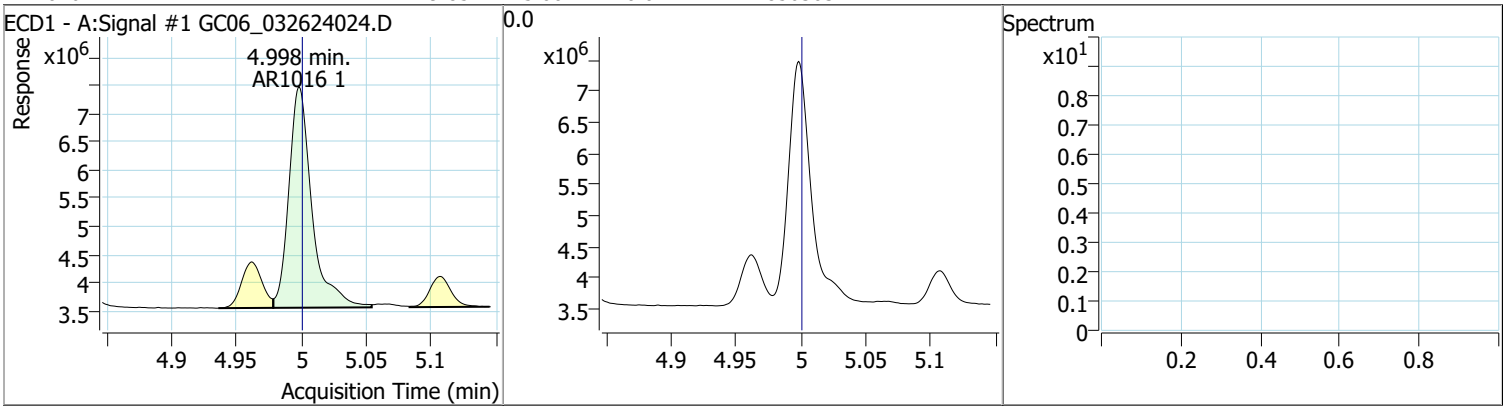
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	157.8260	4.67	0.01	18556126				



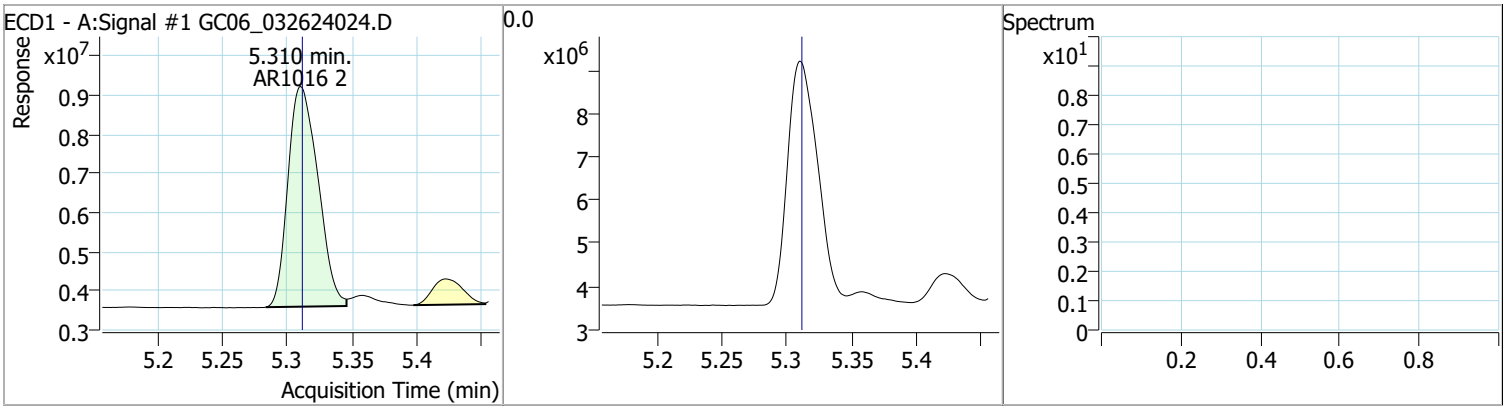
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	156.3919	4.94	0.00	244661804				



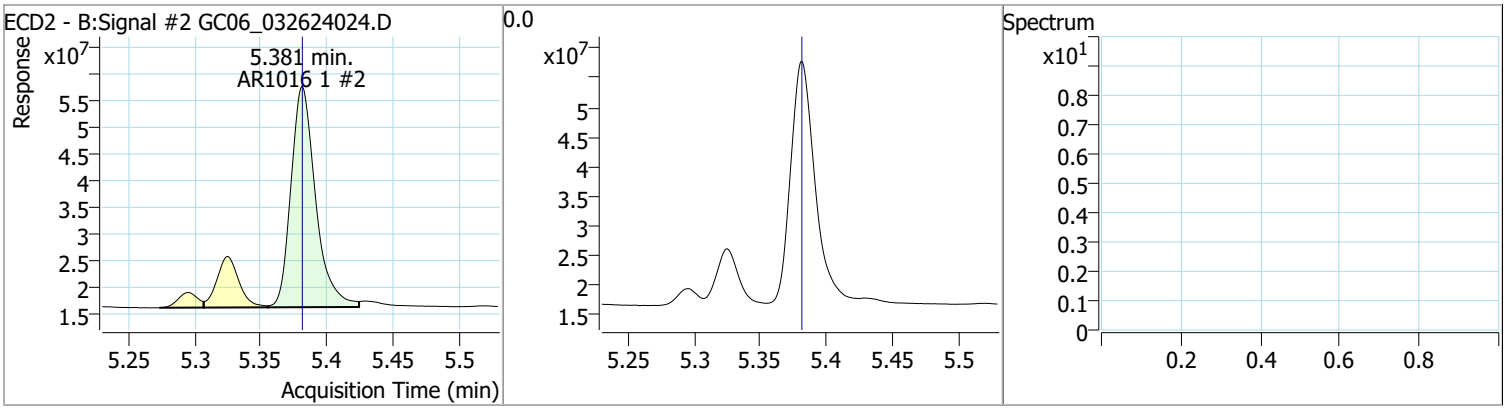
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	1729.8547	5.00	0.01	4856303				



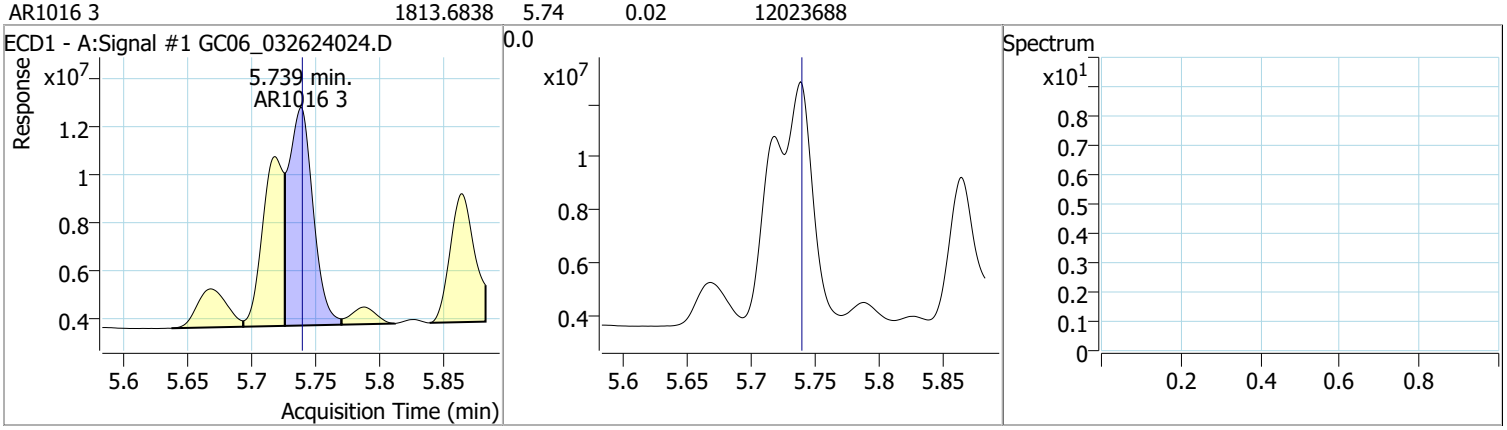
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	1769.3018	5.31	0.01	9118950				



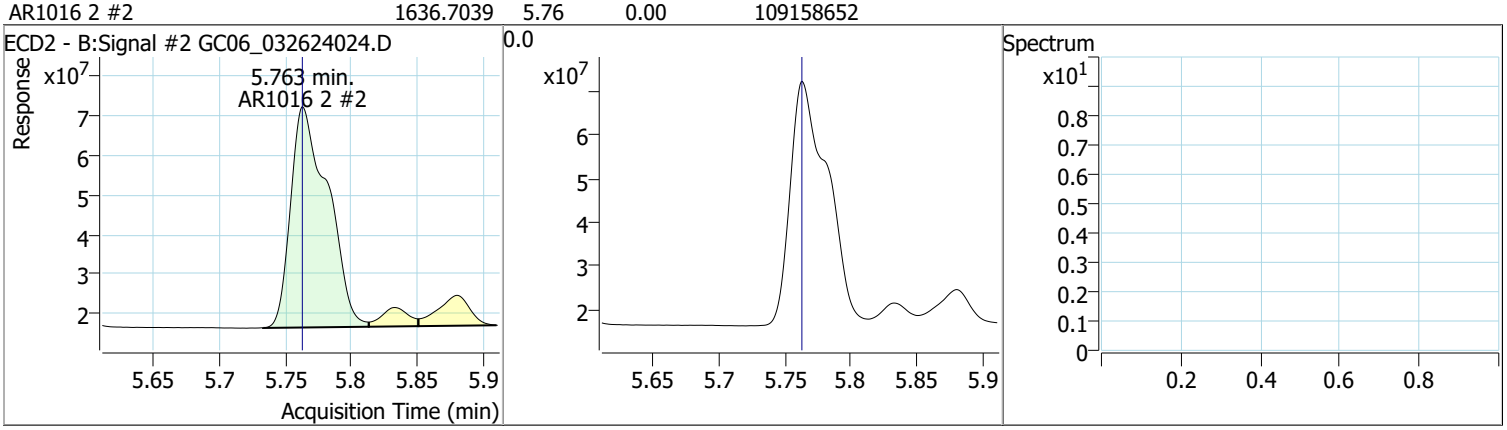
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	1611.2616	5.38	0.00	53715318				



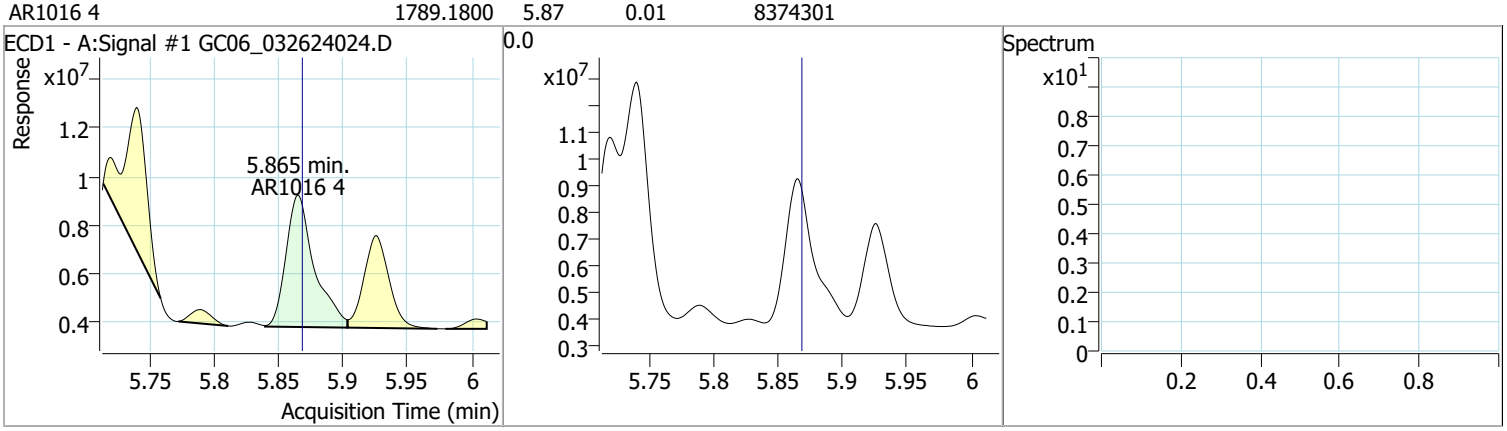
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	1813.6838	5.74	0.02	12023688				



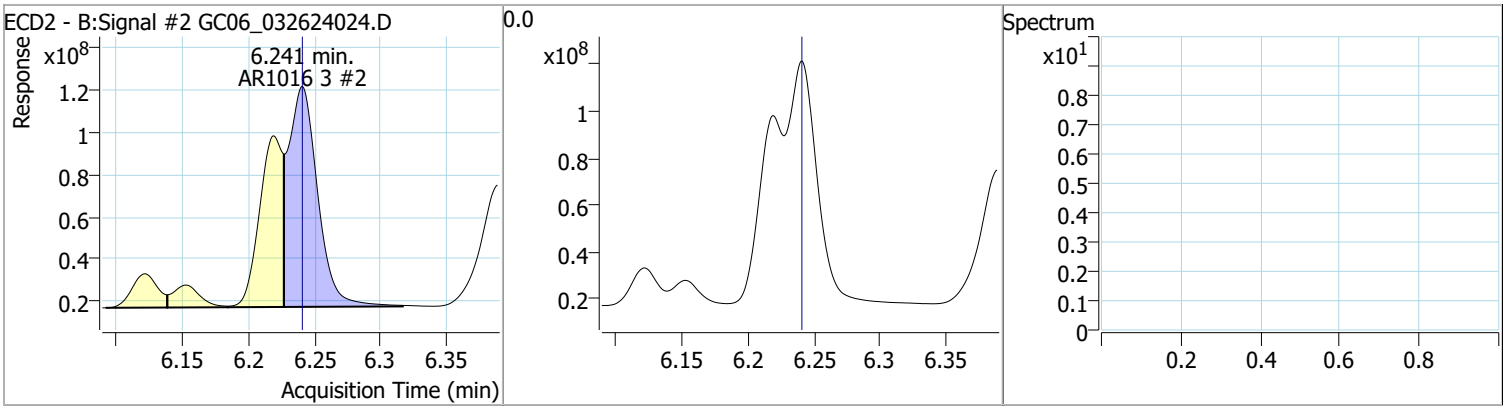
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	1636.7039	5.76	0.00	109158652				



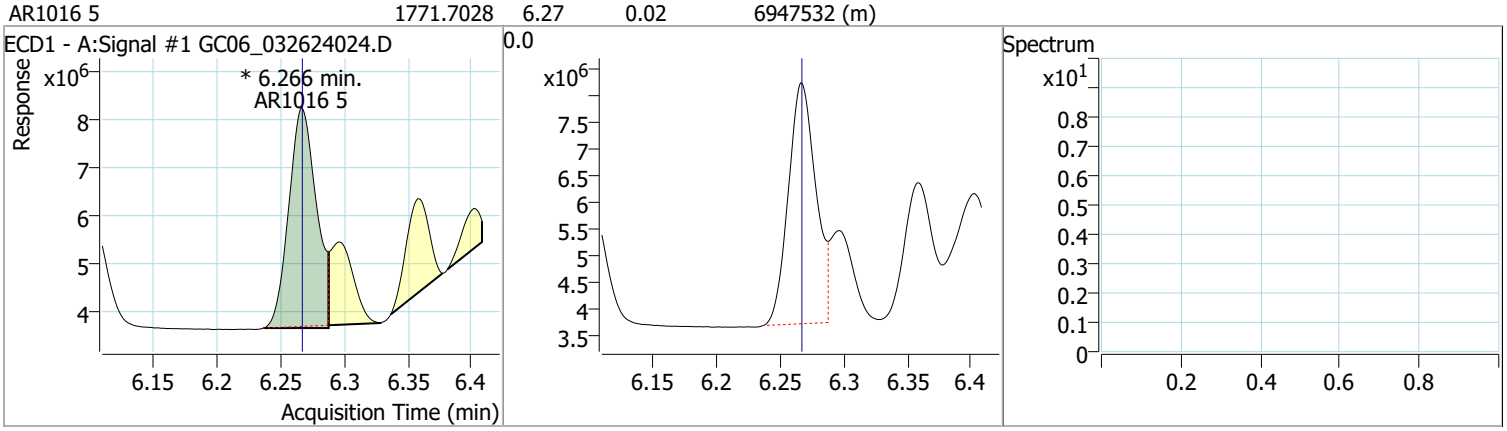
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	1789.1800	5.87	0.01	8374301				



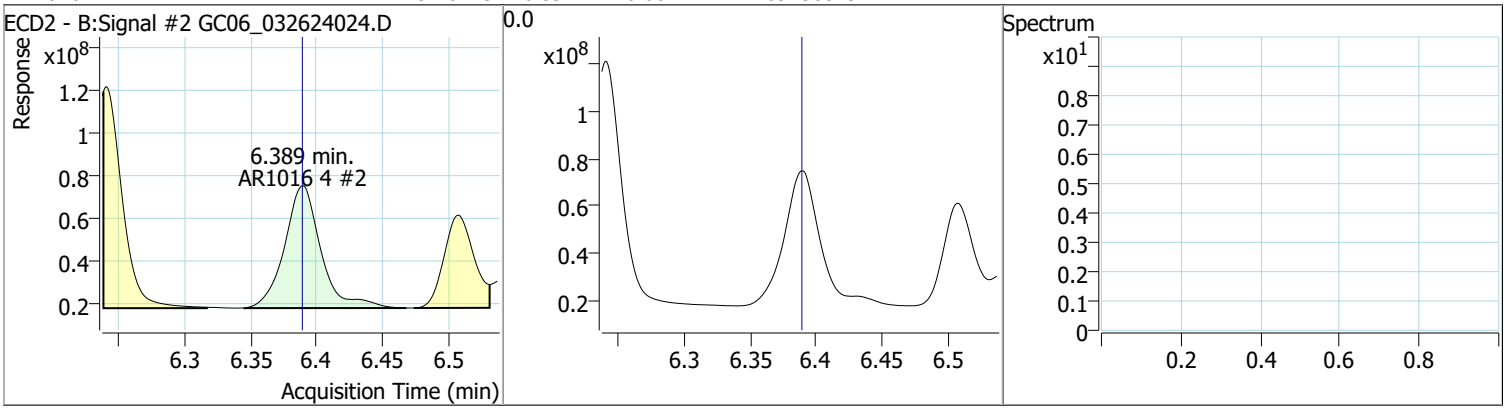
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	1730.5216	6.24	0.00	159859149				



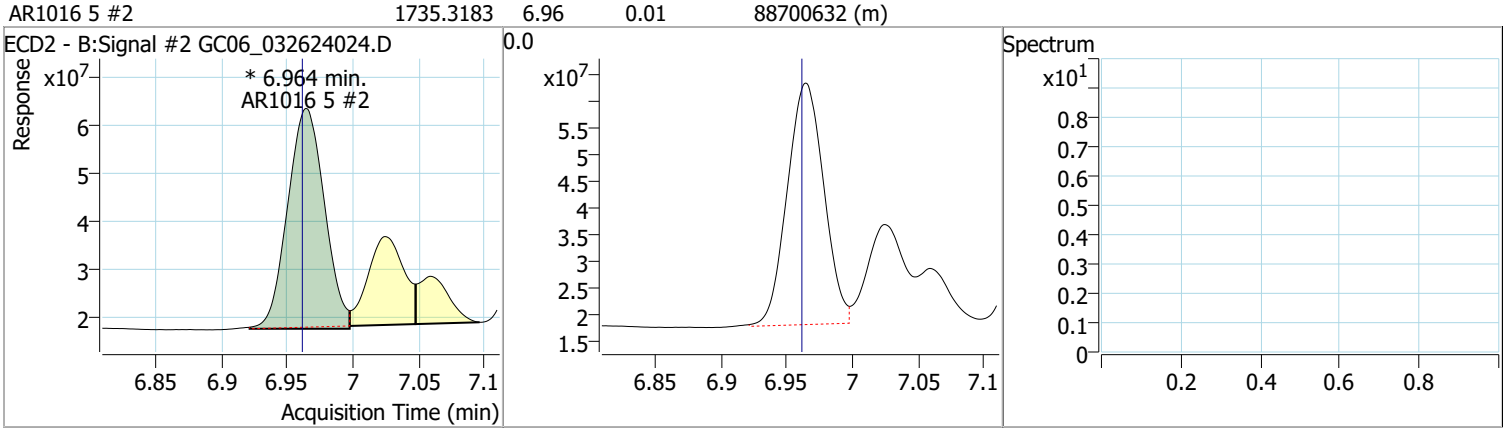
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	1771.7028	6.27	0.02	6947532 (m)				



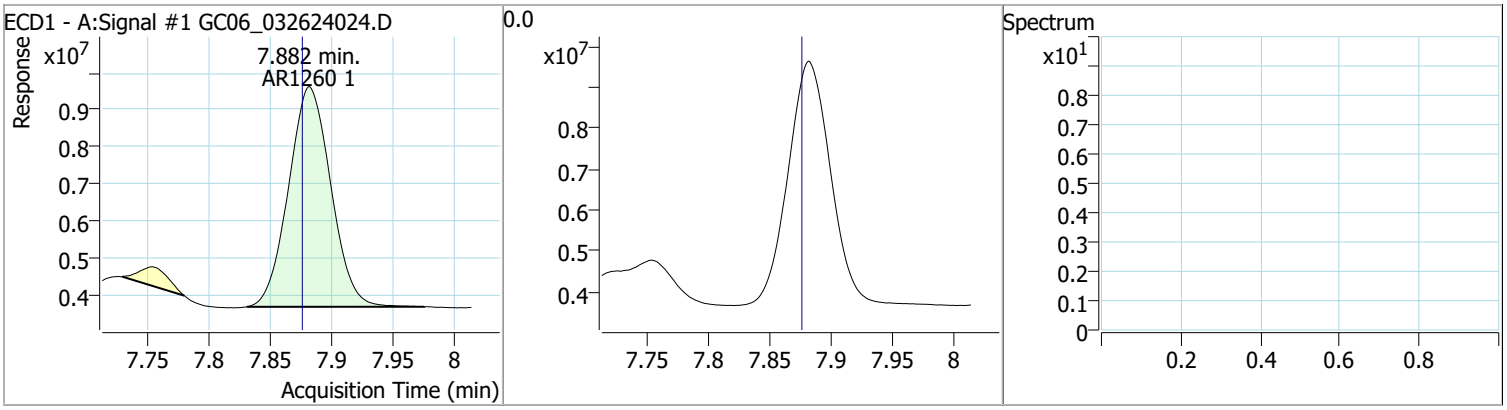
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	1797.0213	6.39	0.00	109730519				



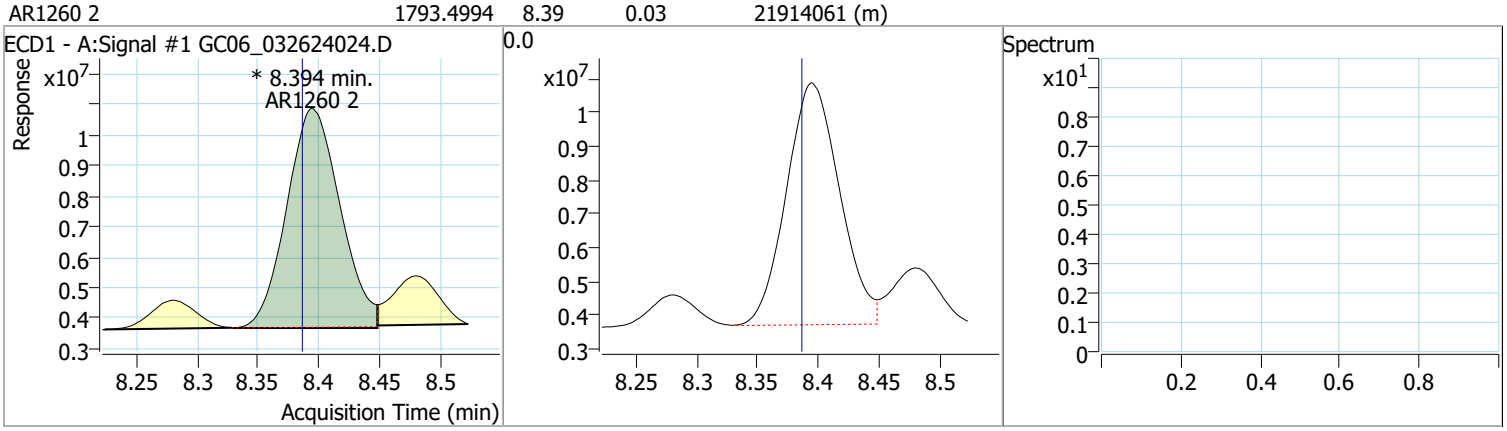
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	1735.3183	6.96	0.01	88700632 (m)				



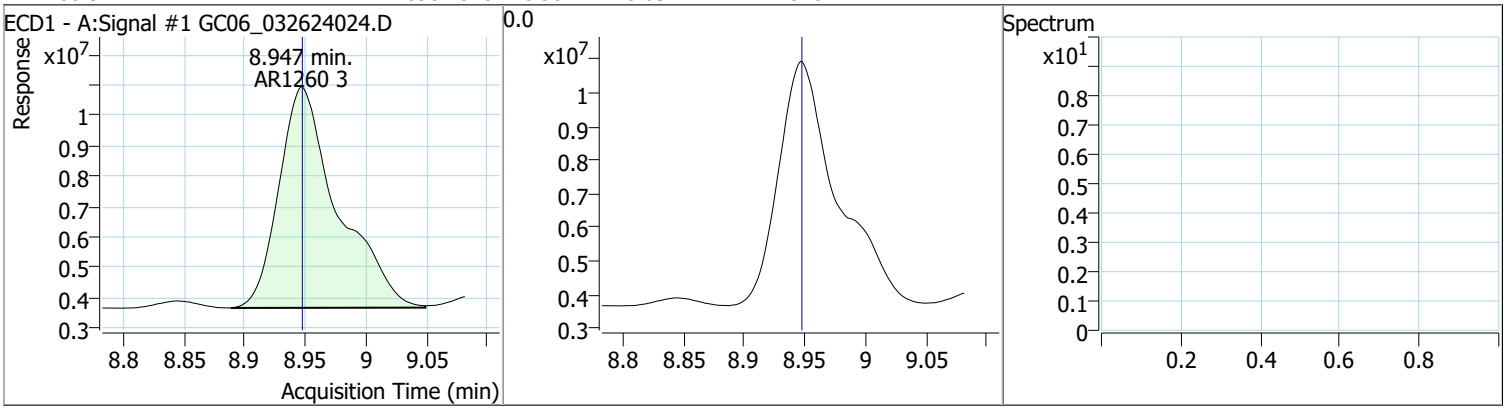
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	1769.2593	7.88	0.03	14130953				



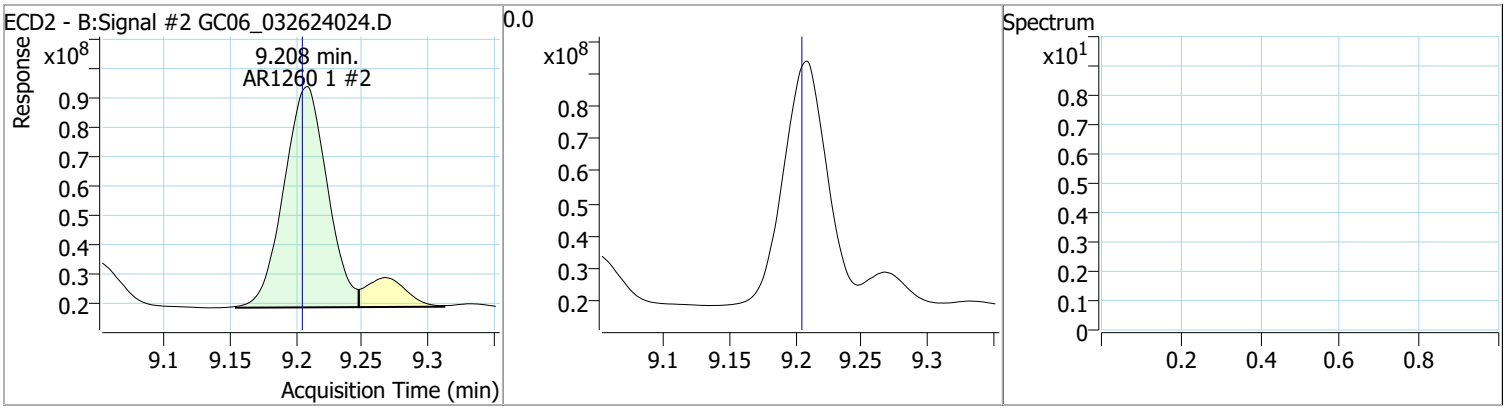
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	1793.4994	8.39	0.03	21914061 (m)				



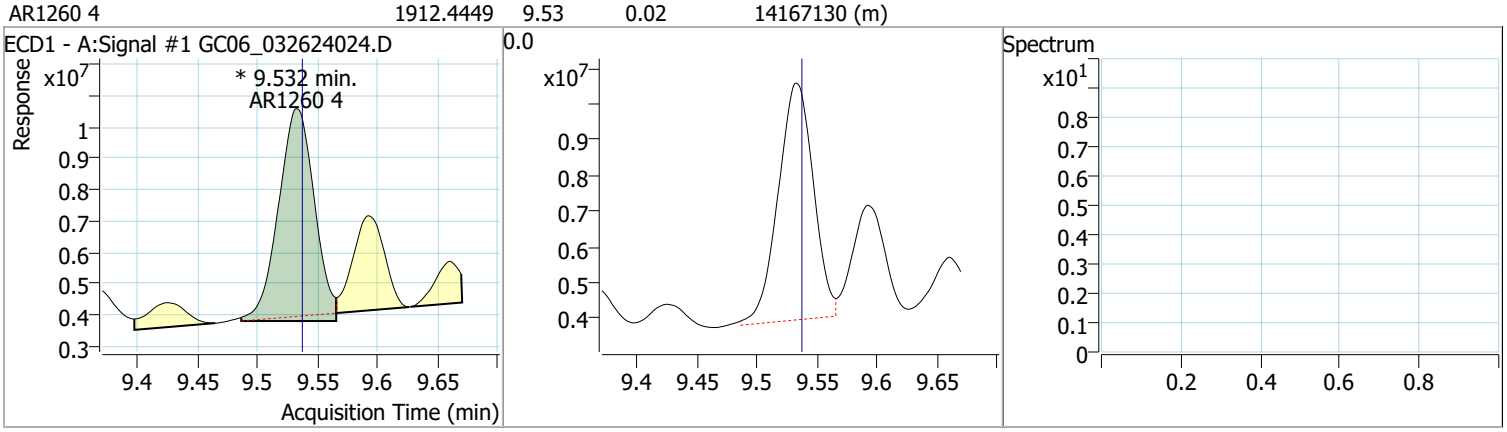
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	1898.7516	8.95	0.03	24451827				



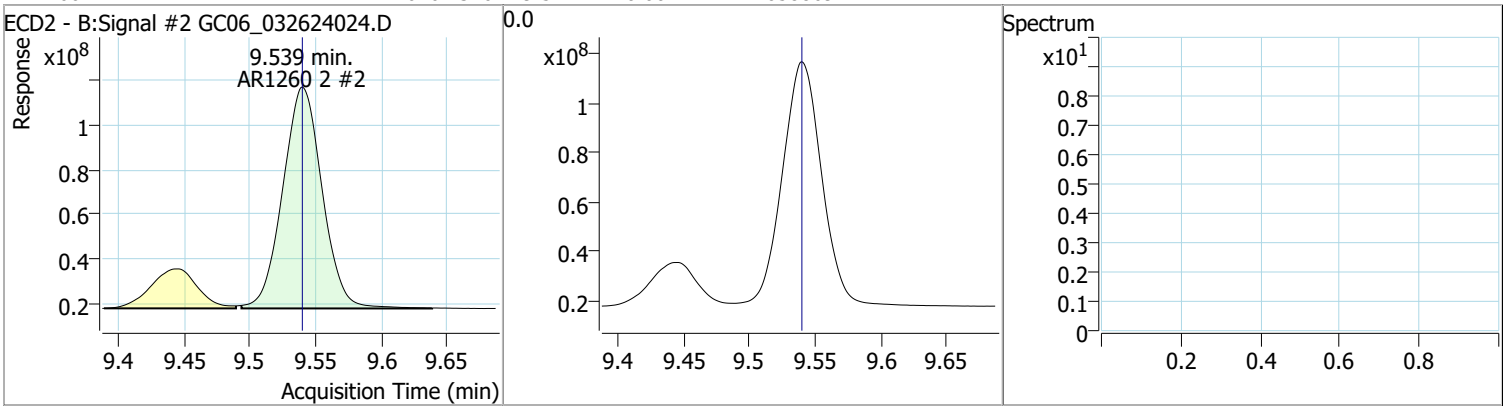
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	1719.0609	9.21	0.01	173587175				



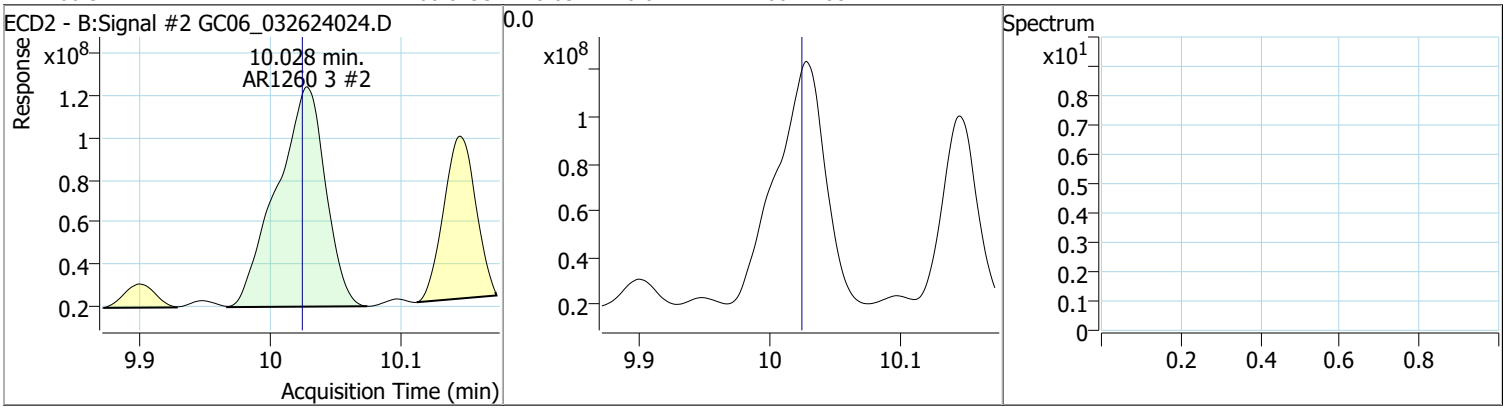
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	1912.4449	9.53	0.02	14167130 (m)				



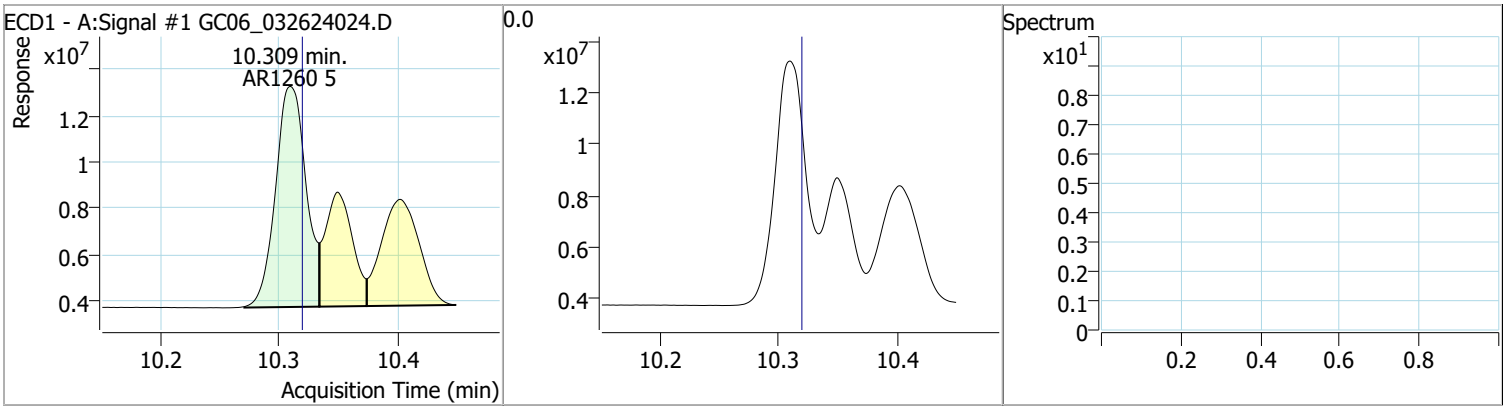
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	1676.1326	9.54	0.00	205886947				



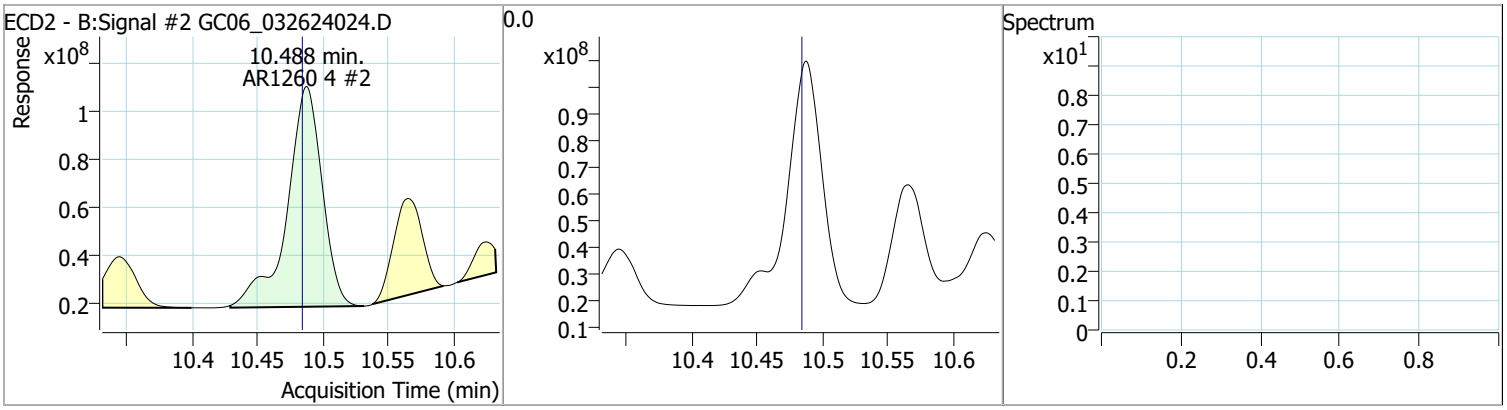
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	1760.8793	10.03	0.01	266717884				



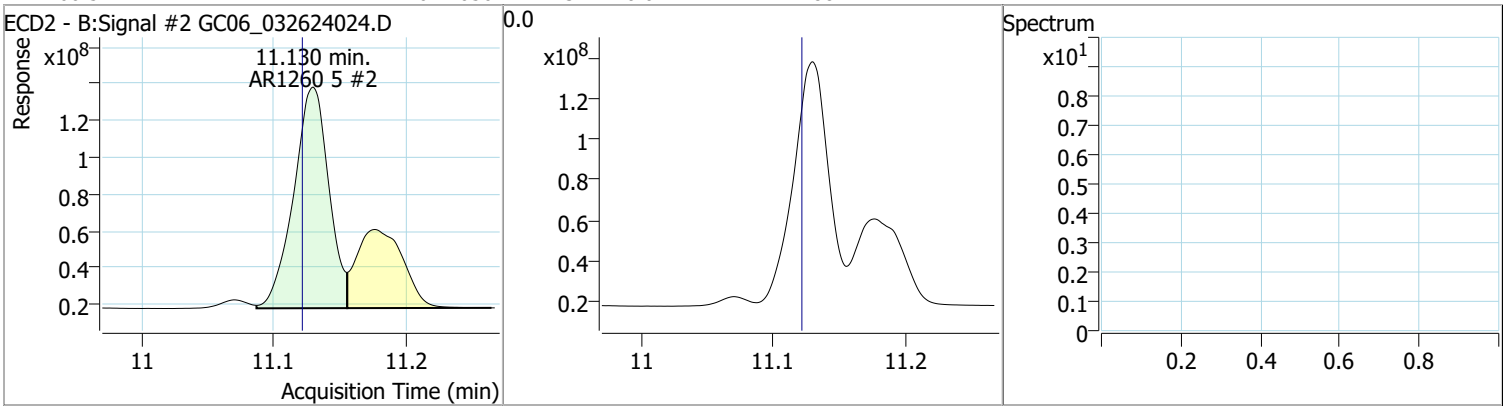
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	1990.4462	10.31	0.02	17040188				



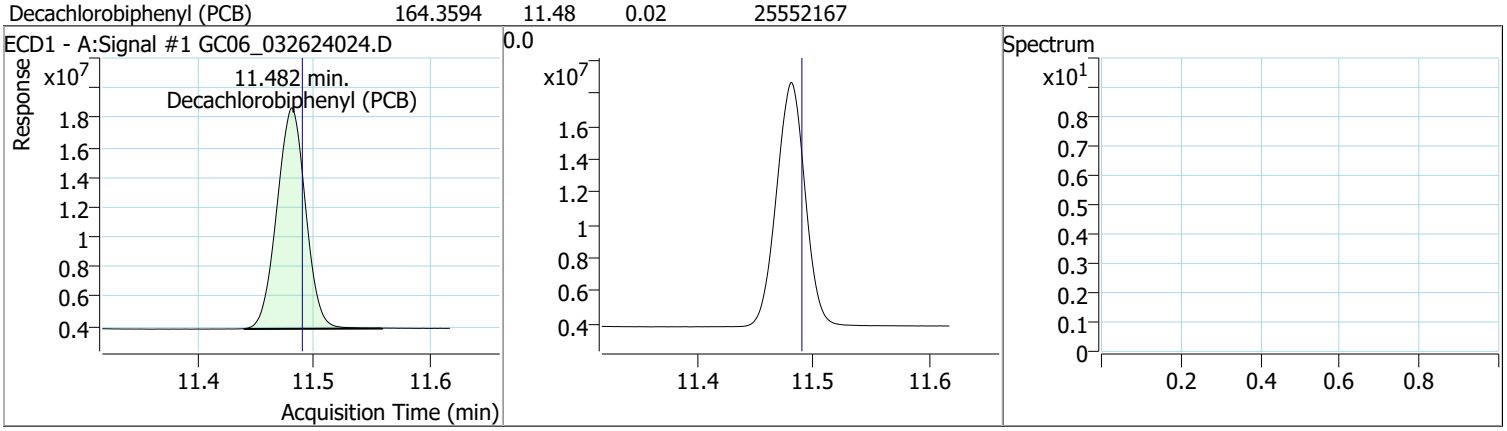
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	1807.9108	10.49	0.01	170285214				



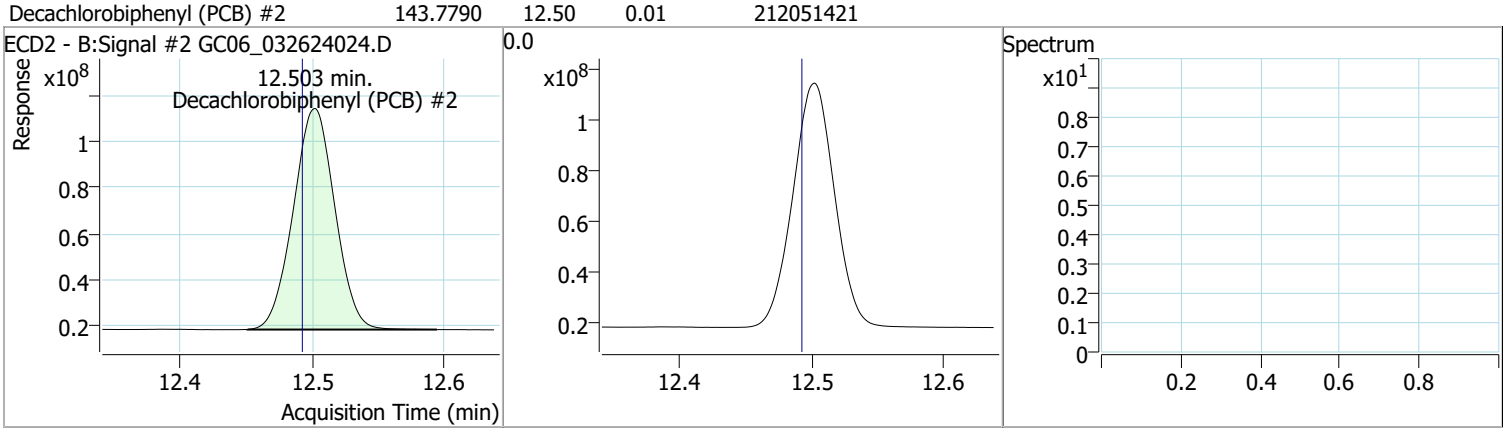
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	1767.2056	11.13	0.01	224128871				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	164.3594	11.48	0.02	25552167				

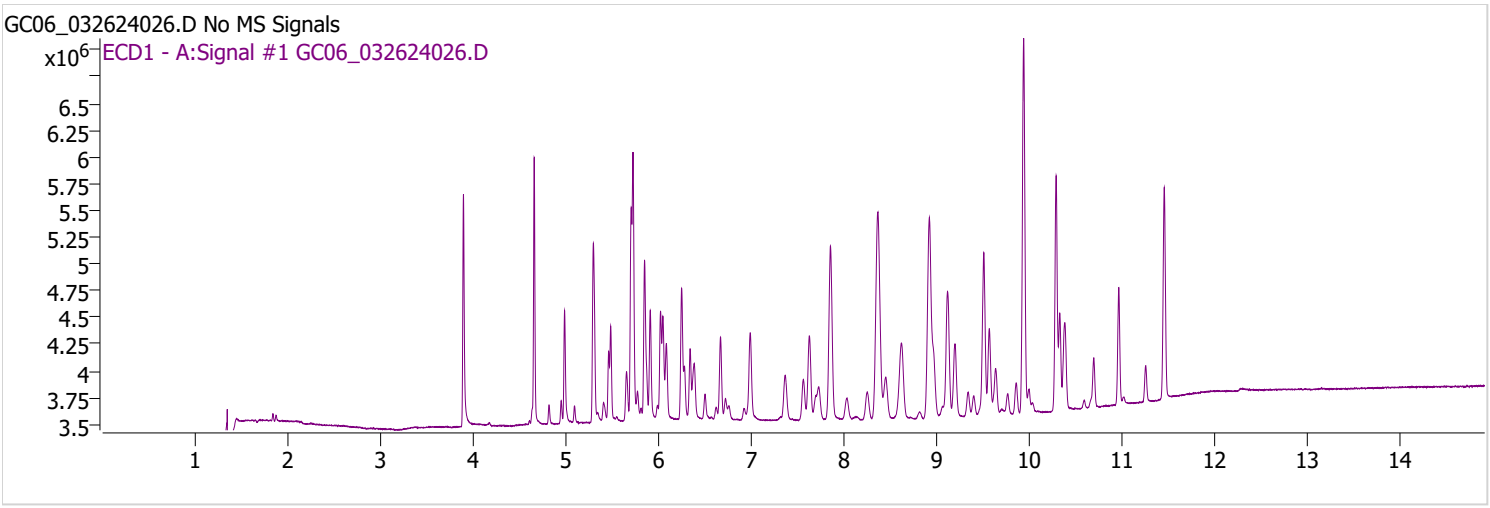


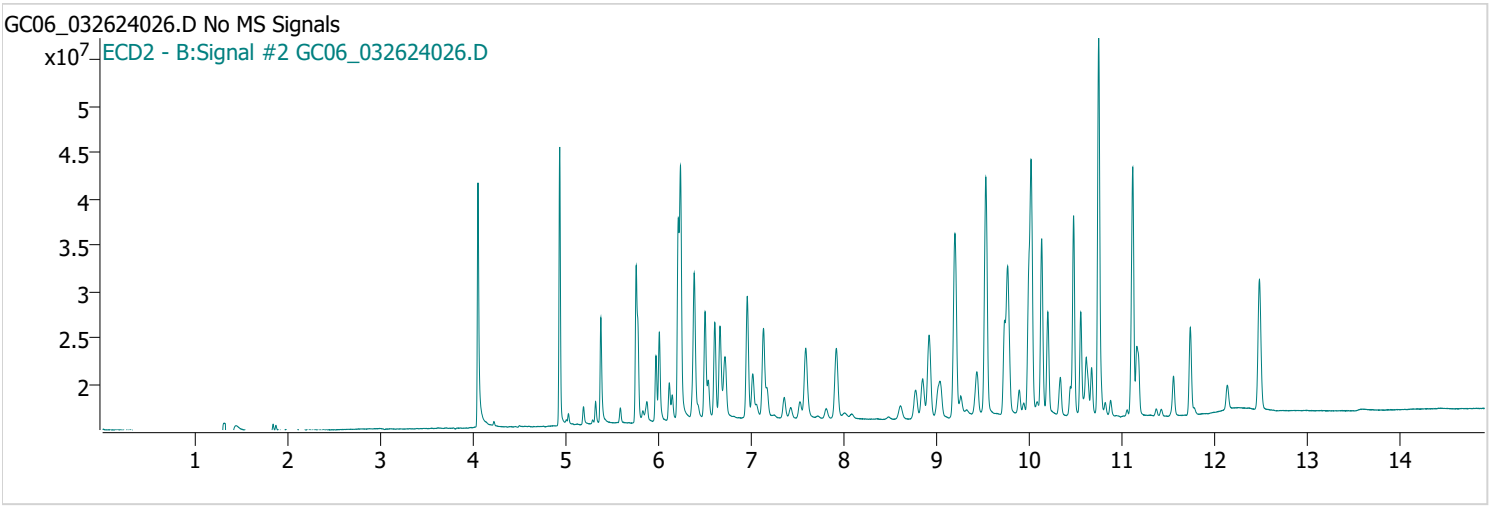
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	143.7790	12.50	0.01	212051421				



Quantitation Results Report (Not Reviewed)

Data File	GC06_032624026.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	3/26/2024 7:53:43 PM
Sample Name	ICV, S20242	Instrument	SVOA-GC06
Vial	20	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_1.m	Comment	500 ppb PCB ICV
Tune File	ATUNE.U	Tune Date	
Batch Name	032624_PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



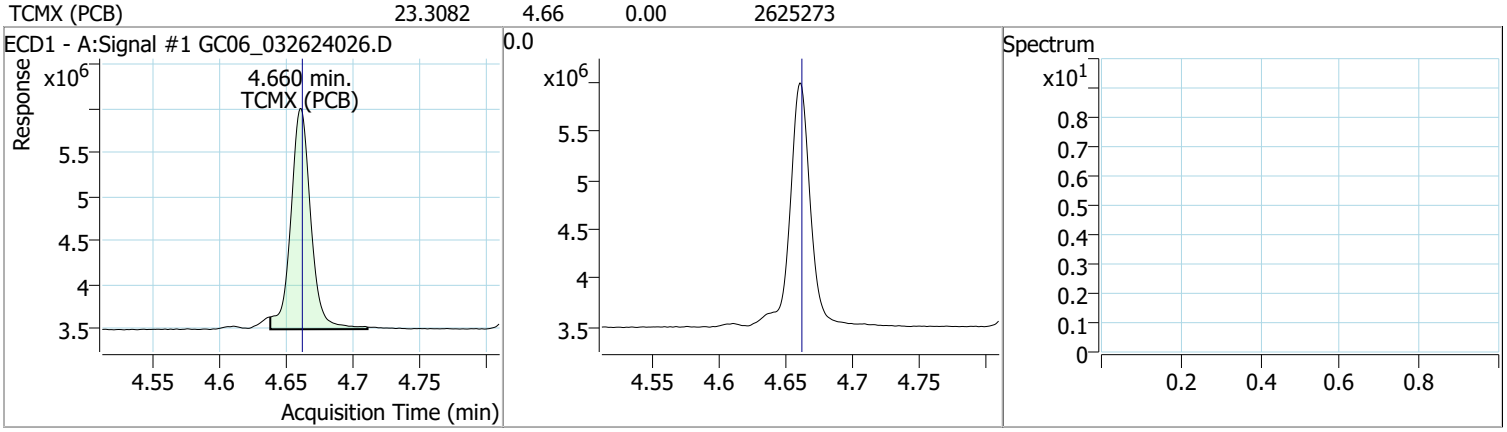


Compound	RT	QIon	Resp.	Conc.	Units	Dev(Min)
Internal Standards						
M 1-bromo-2-nitrobenzene (PCB)	3.897	0.0	2501788.552	20.0000	ng/ml	0.003
M 1-bromo-2-nitrobenzene (PCB) #2	4.053	0.0	32639189.675	20.0000	ng/ml	0.001
System Monitoring Compounds						
S TCMX (PCB)	4.660	0.0	2625273.275	23.3082	ng/ml	0.003
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 116.54%		
S TCMX (PCB) #2	4.936	0.0	32965649.134	23.2918	ng/ml	0.002
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 116.46%		
S Decachlorobiphenyl (PCB)	11.463	0.0	3426480.392	23.0069	ng/ml	0.005
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 115.03%		
S Decachlorobiphenyl (PCB) #2	12.490	0.0	31150027.222	23.3456	ng/ml	0.001
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 116.73%		
Target Compounds						QValue

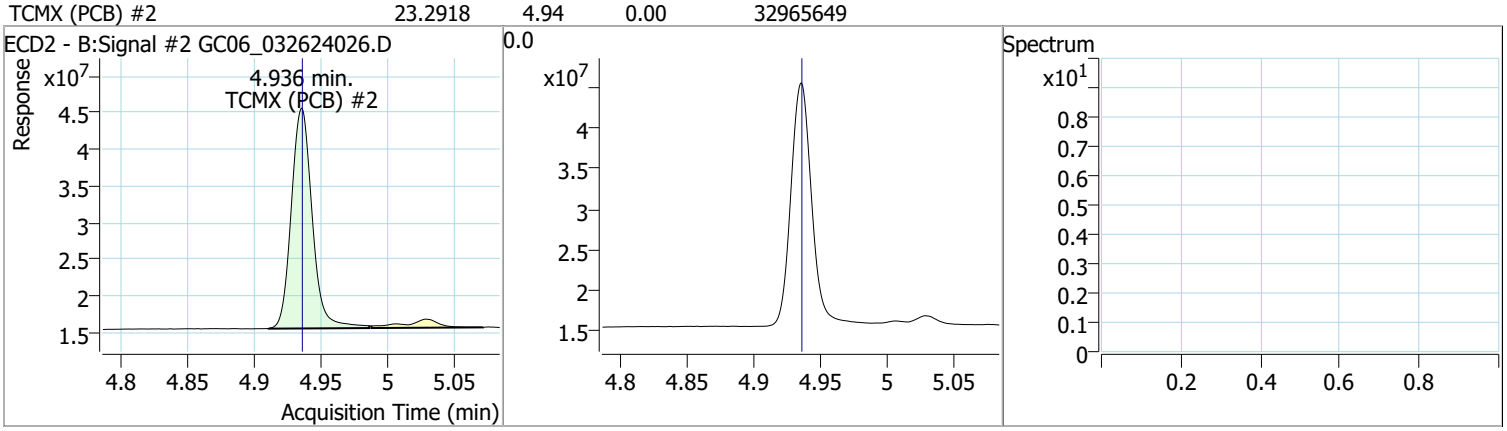
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.988	0.0	1356209.070	504.2820	ng/ml		100
T AR1016 2	5.299	0.0	2707078.366	522.8508	ng/ml		100
T AR1016 1 #2	5.380	0.0	15372282.922	509.6823	ng/ml		100
T AR1016 3	5.727	0.0	3371099.304	530.8092	ng/ml	m	100
T AR1016 2 #2	5.762	0.0	32573406.909	539.8441	ng/ml		100
T AR1016 4	5.852	0.0	2386029.219	532.1380	ng/ml	m	100
T AR1016 3 #2	6.239	0.0	44720785.633	535.1089	ng/ml	m	100
T AR1016 5	6.252	0.0	1879986.285	500.4469	ng/ml	m	100
T AR1016 4 #2	6.388	0.0	30347626.111	549.3432	ng/ml		100
T AR1016 5 #2	6.961	0.0	23675052.483	511.9607	ng/ml	m	100
T AR1260 1	7.858	0.0	3920825.209	512.4370	ng/ml		100
T AR1260 2	8.372	0.0	6015413.578	513.9098	ng/ml		100
T AR1260 3	8.927	0.0	6440816.100	522.0844	ng/ml	m	100
T AR1260 1 #2	9.203	0.0	46887200.713	513.2408	ng/ml	m	100
T AR1260 4	9.514	0.0	3092337.201	435.7495	ng/ml	m	100
T AR1260 2 #2	9.536	0.0	54941359.153	494.3929	ng/ml		100
T AR1260 3 #2	10.024	0.0	71737484.789	523.5002	ng/ml	m	100
T AR1260 5	10.295	0.0	3786973.696	477.9513	ng/ml		100
T AR1260 4 #2	10.483	0.0	35006768.488	410.8141	ng/ml	m	100
T AR1260 5 #2	11.123	0.0	49190518.752	428.7103	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

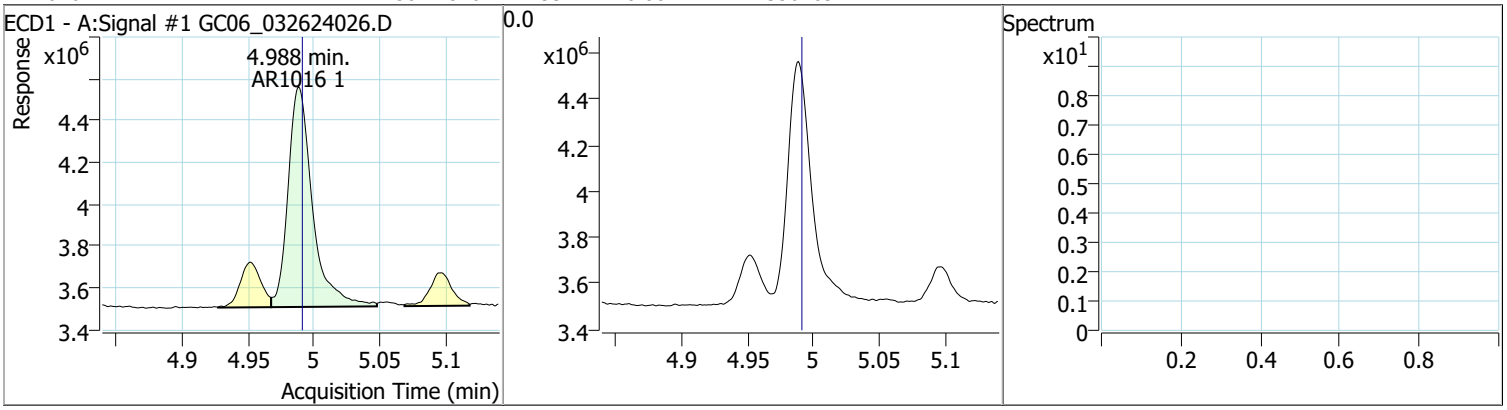
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	23.3082	4.66	0.00	2625273				



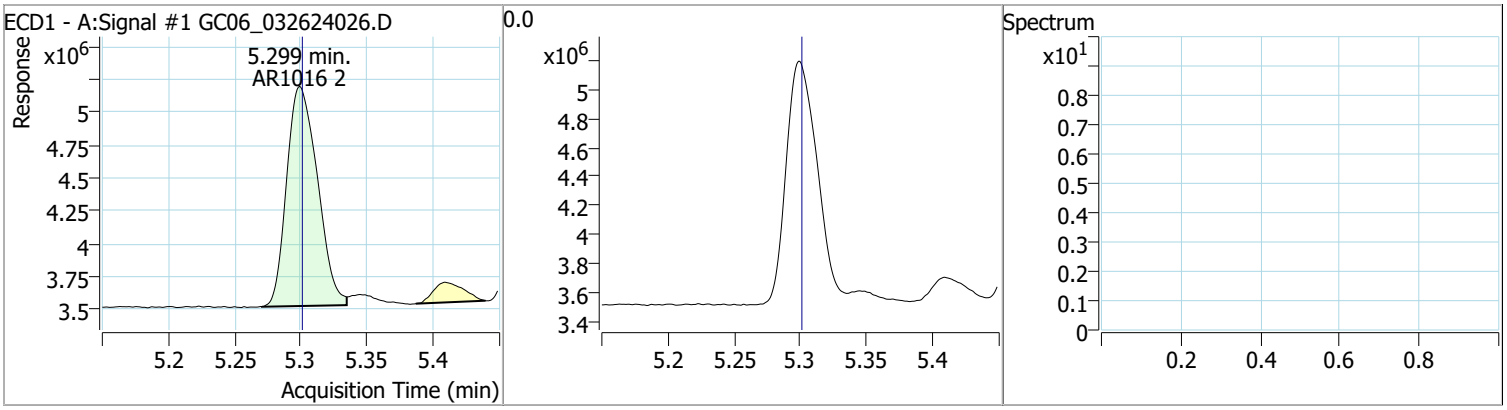
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	23.2918	4.94	0.00	32965649				



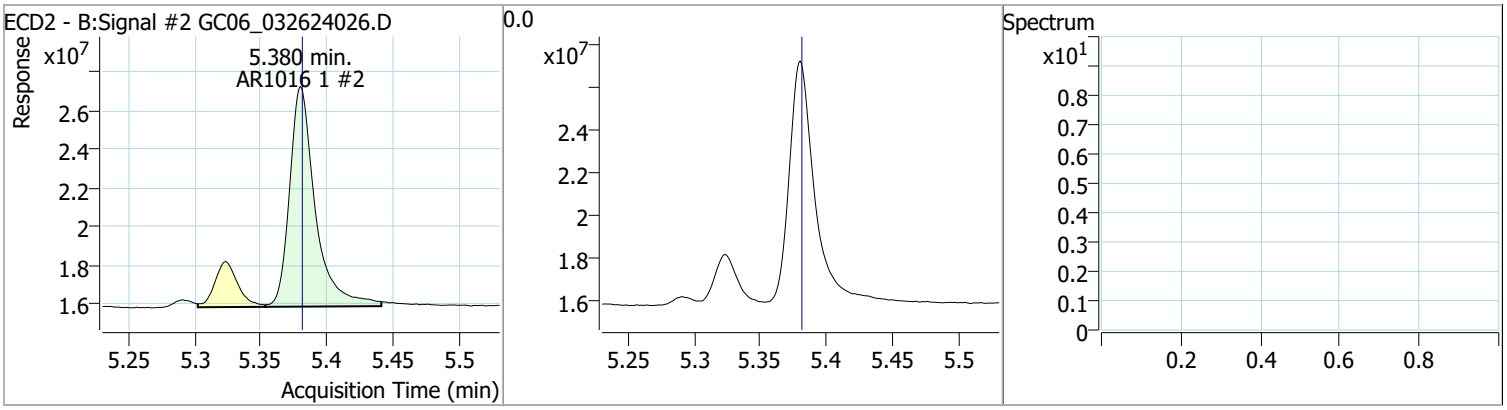
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	504.2820	4.99	0.00	1356209				



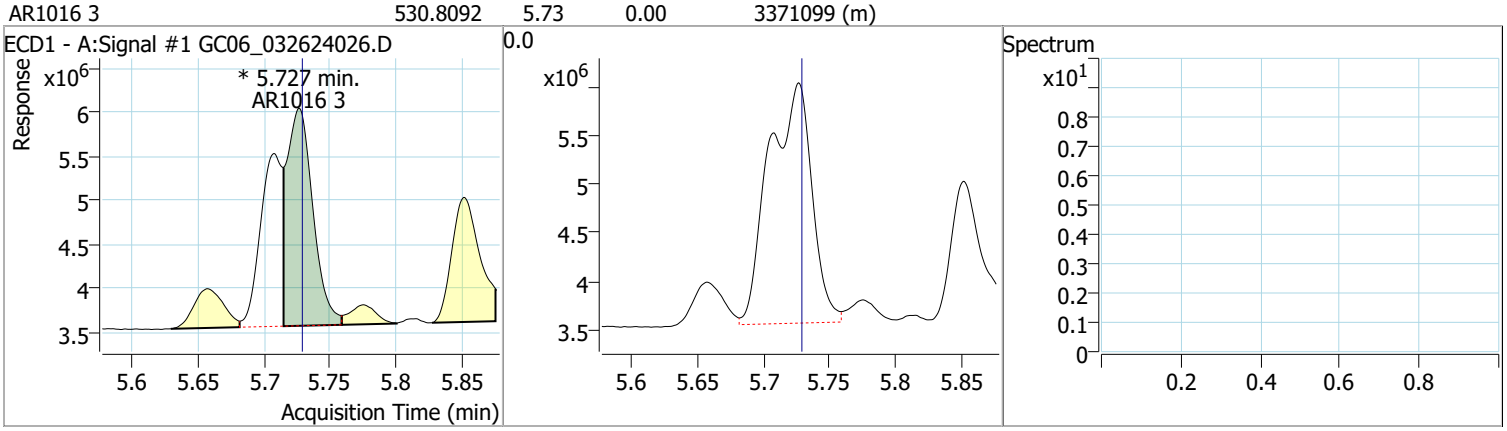
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	522.8508	5.30	0.00	2707078				



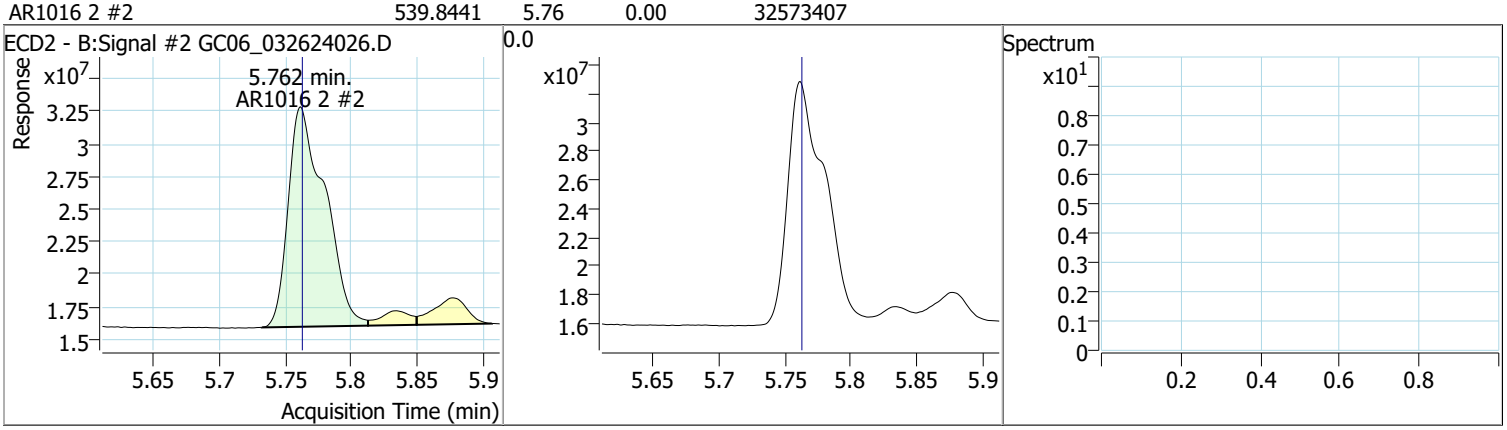
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	509.6823	5.38	0.00	15372283				



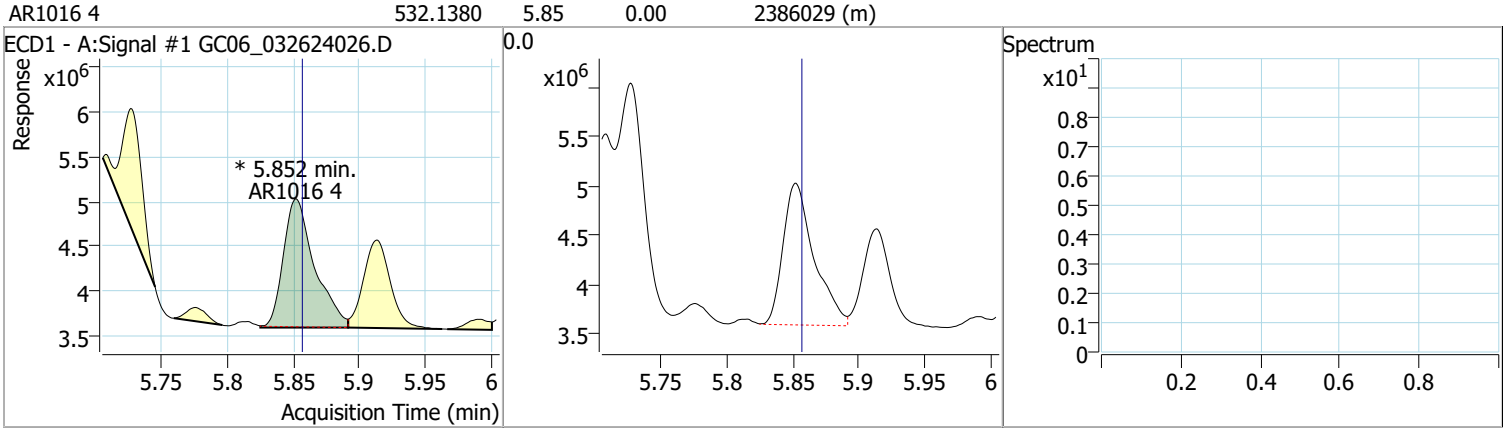
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	530.8092	5.73	0.00	3371099 (m)				



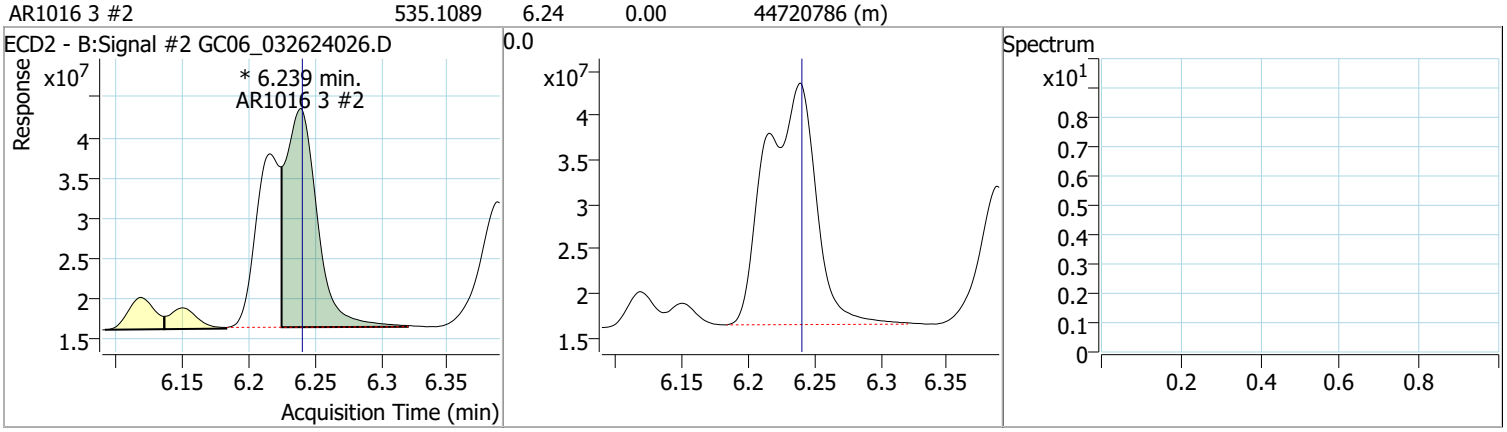
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	539.8441	5.76	0.00	32573407				



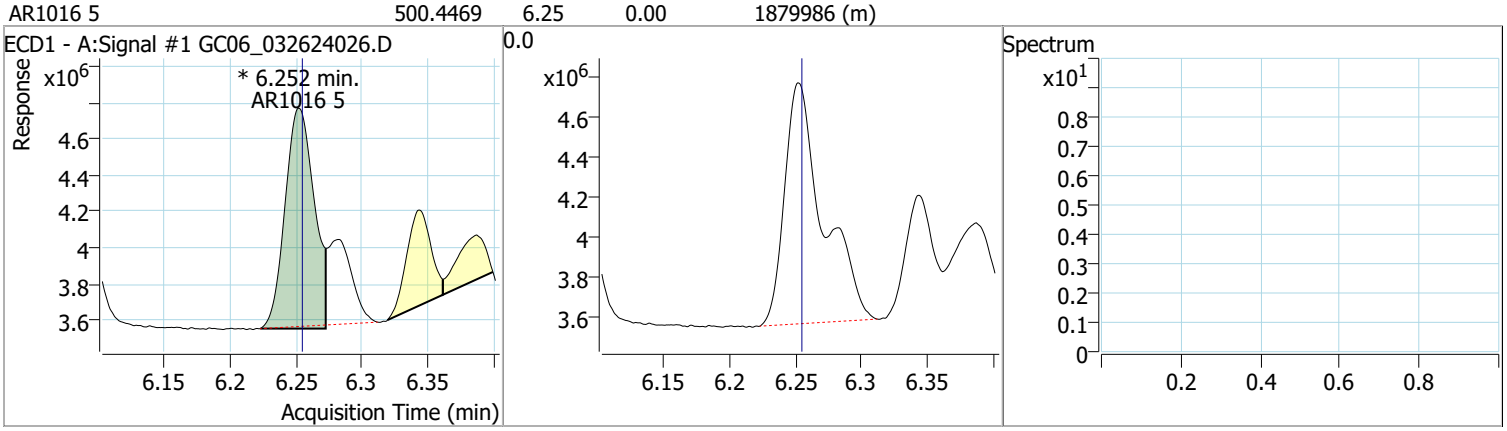
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	532.1380	5.85	0.00	2386029 (m)				



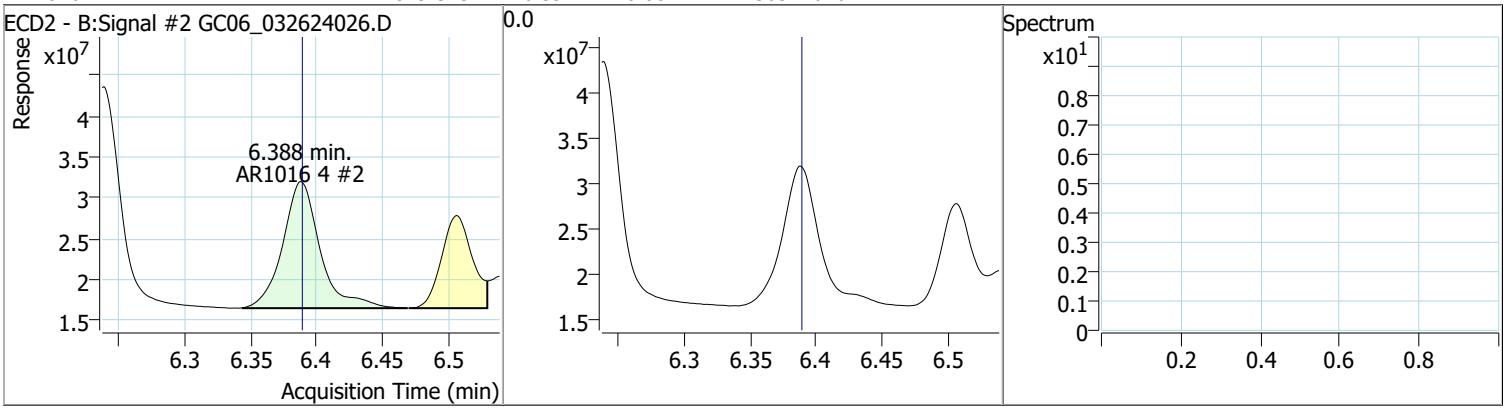
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	535.1089	6.24	0.00	44720786 (m)				



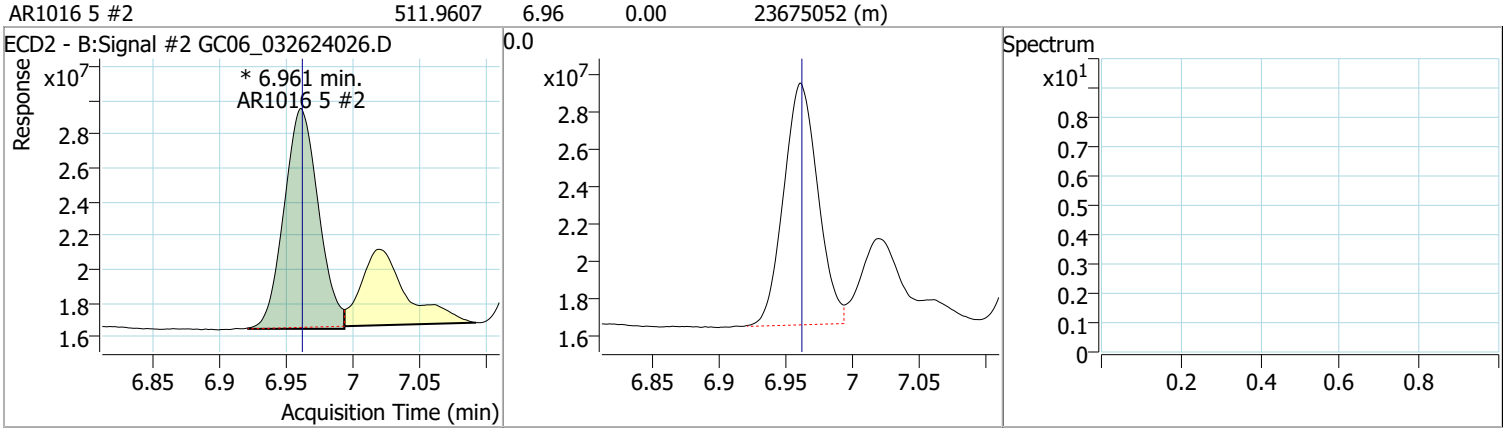
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	500.4469	6.25	0.00	1879986 (m)				



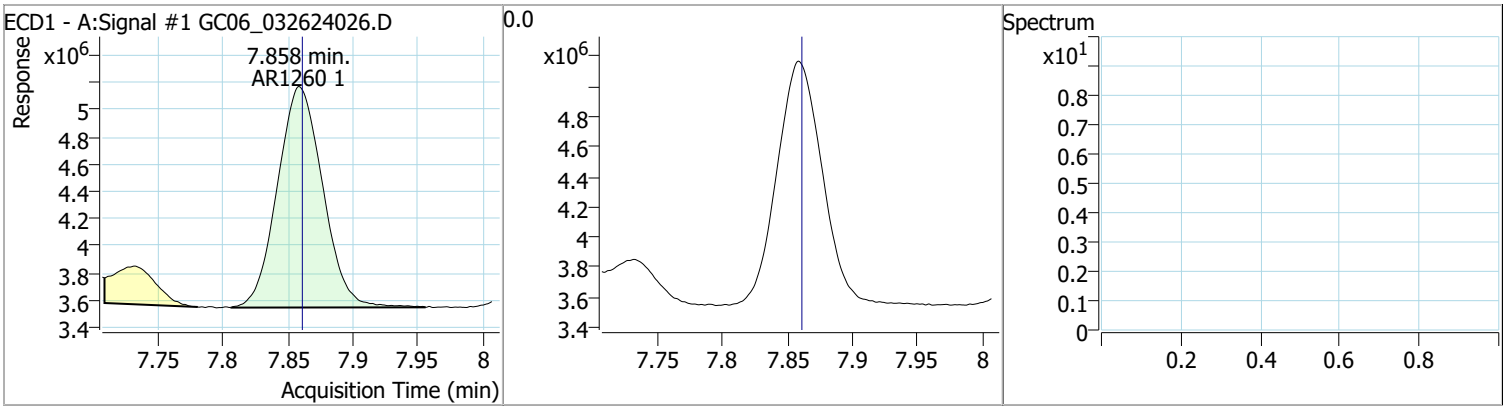
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	549.3432	6.39	0.00	30347626				



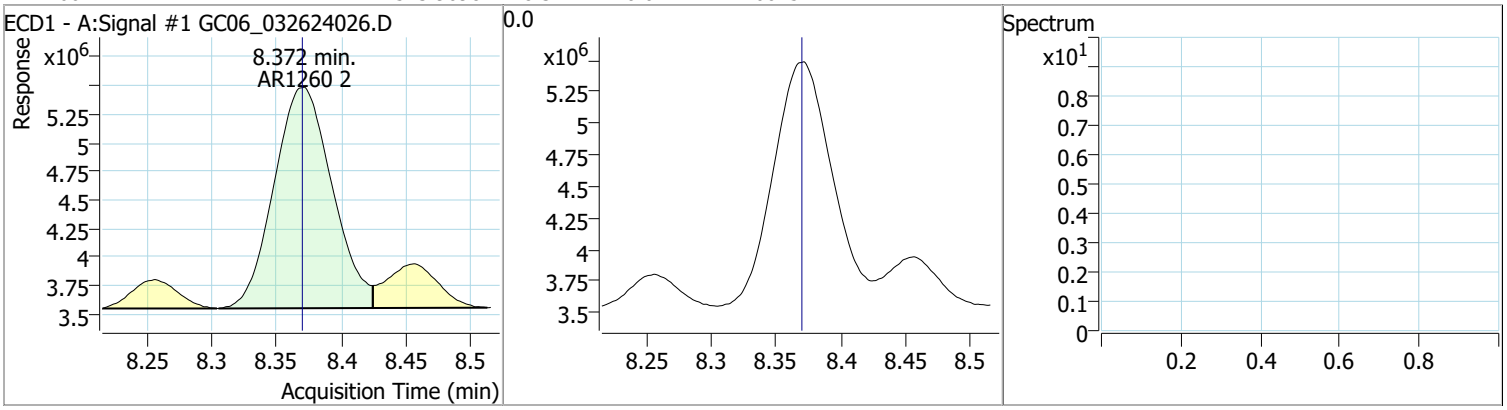
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	511.9607	6.96	0.00	23675052 (m)				



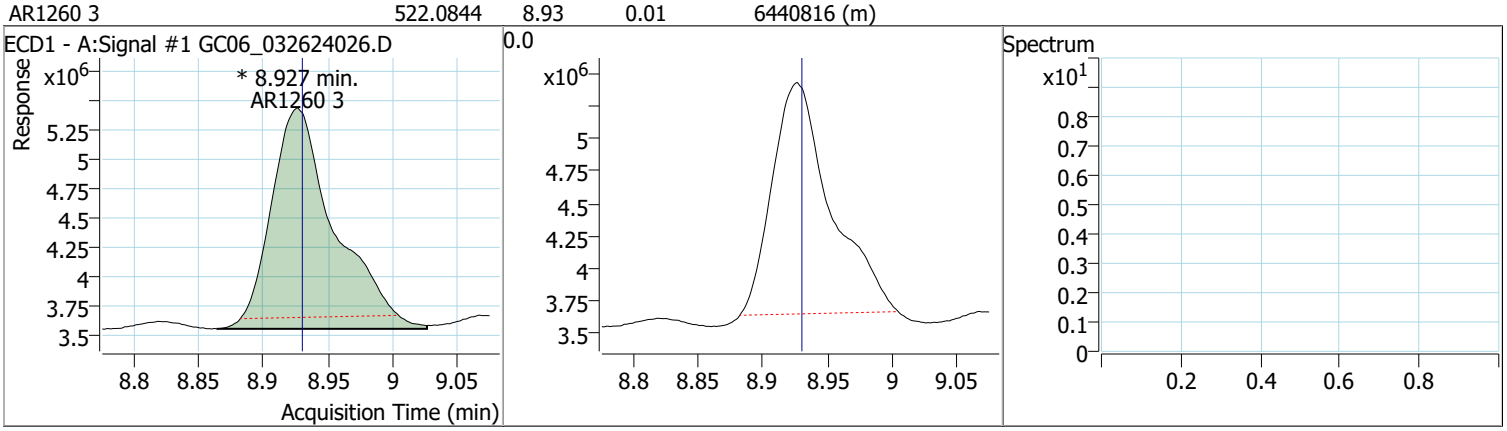
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	512.4370	7.86	0.01	3920825				



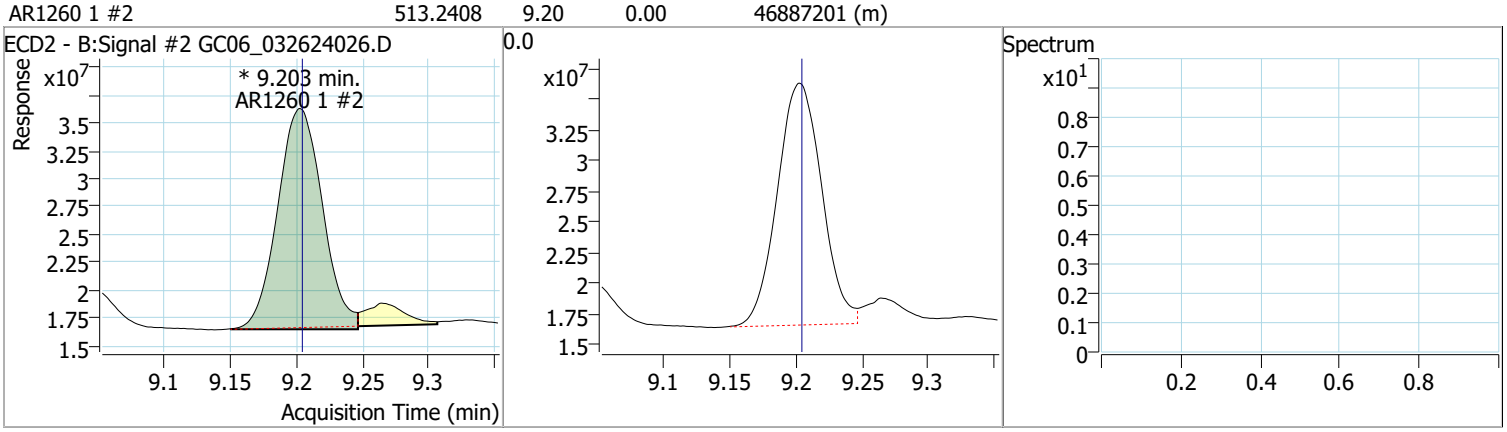
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	513.9098	8.37	0.01	6015414				



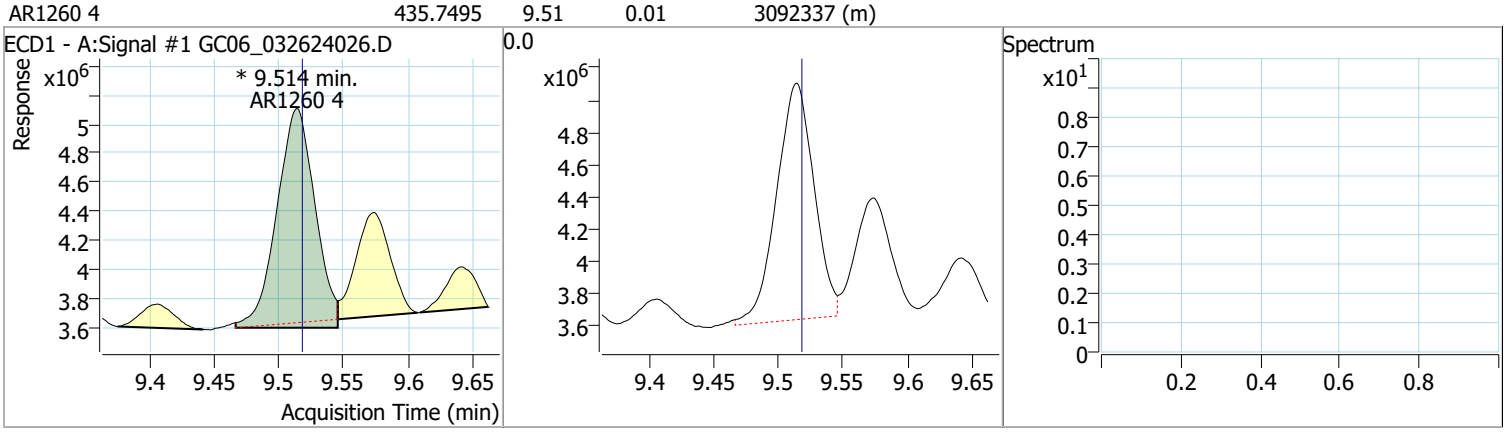
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	522.0844	8.93	0.01	6440816 (m)				



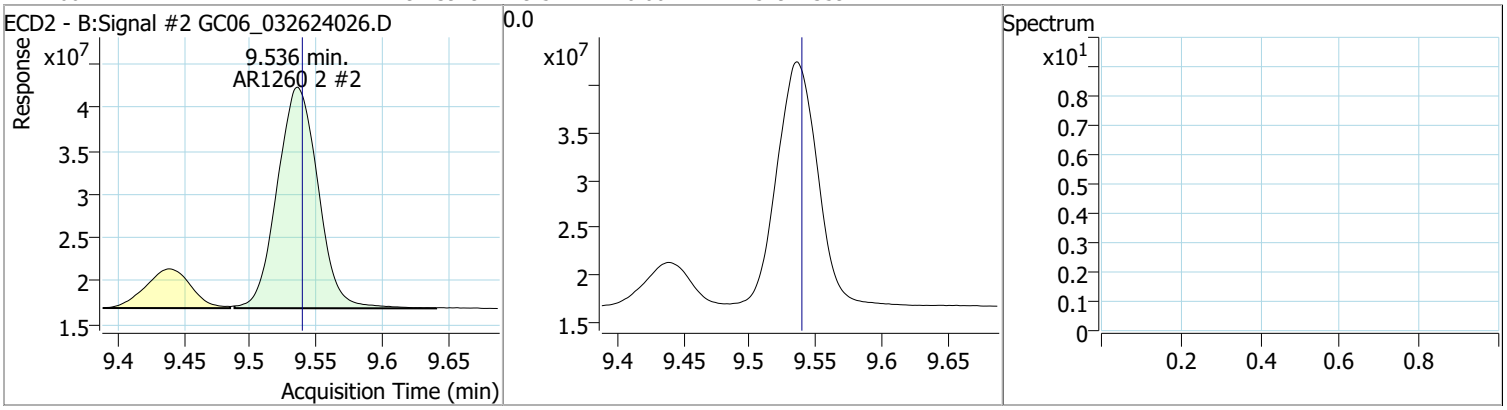
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	513.2408	9.20	0.00	46887201 (m)				



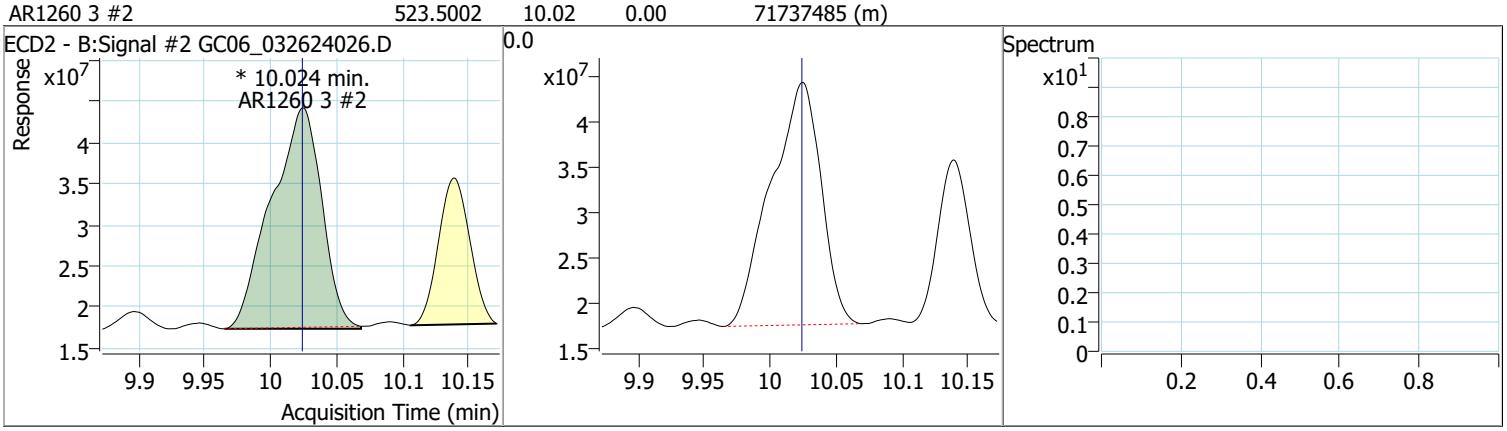
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	435.7495	9.51	0.01	3092337 (m)				



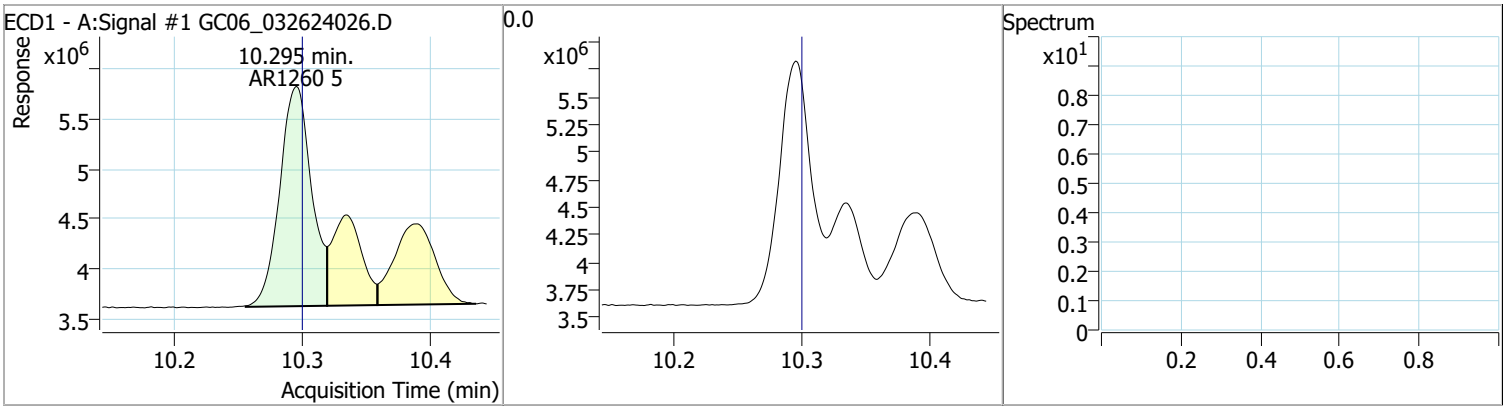
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	494.3929	9.54	0.00	54941359				



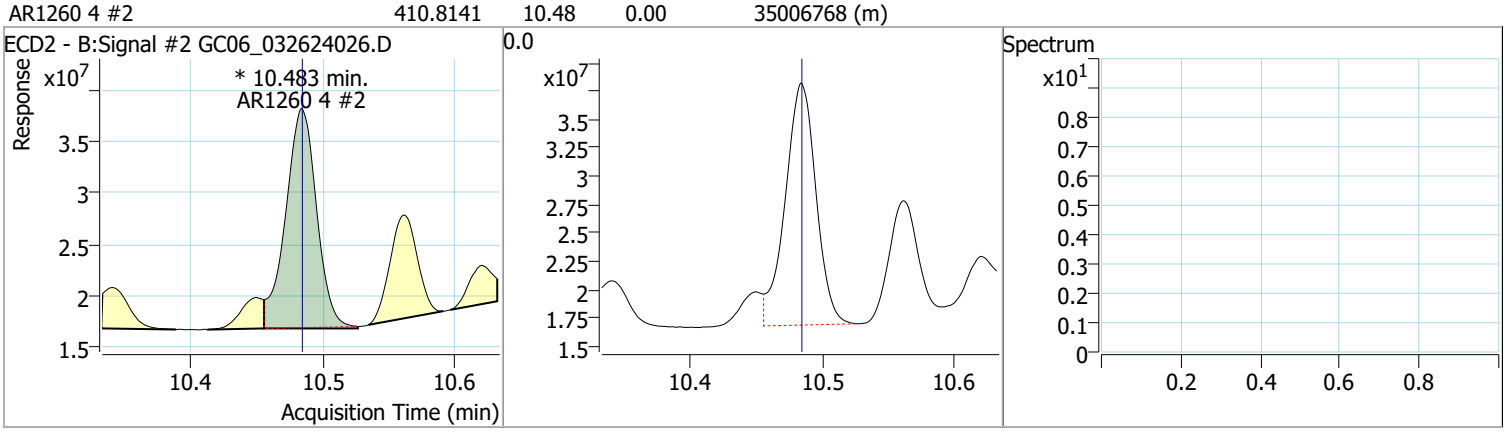
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	523.5002	10.02	0.00	71737485 (m)				



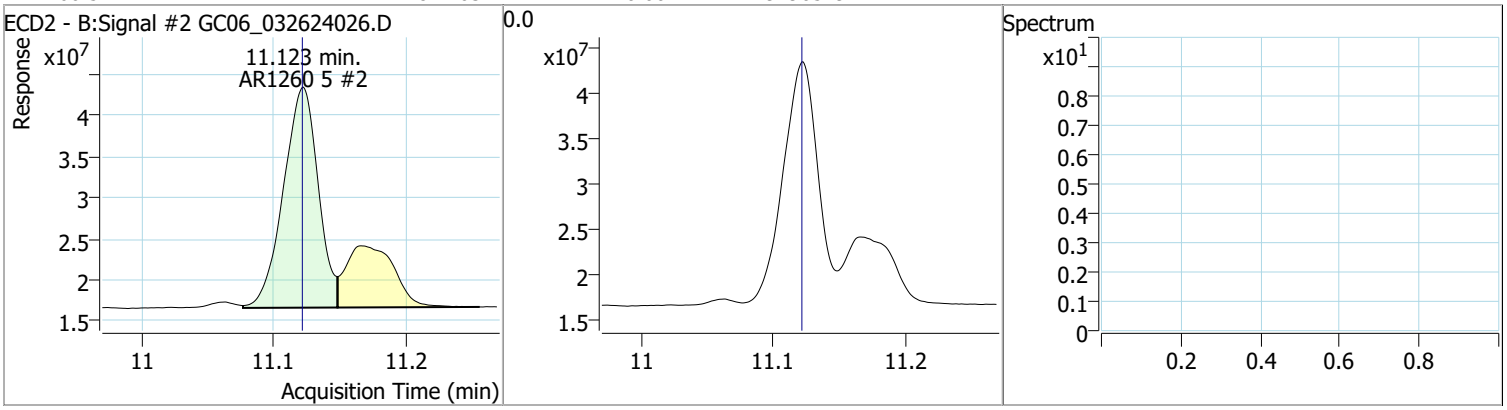
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	477.9513	10.30	0.01	3786974				



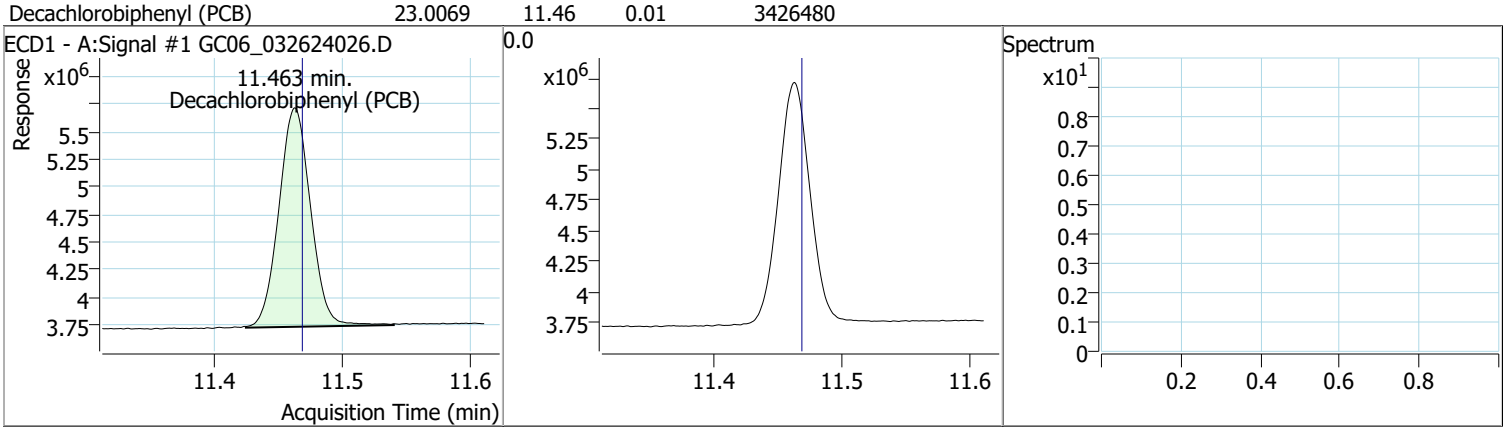
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	410.8141	10.48	0.00	35006768 (m)				



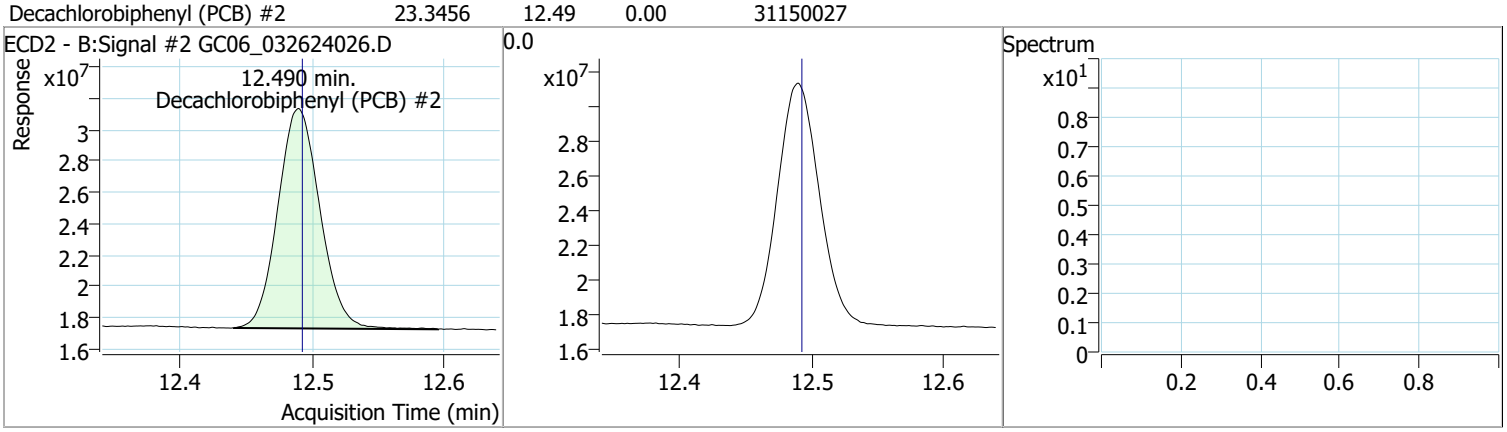
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	428.7103	11.12	0.00	49190519				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	23.0069	11.46	0.01	3426480				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	23.3456	12.49	0.00	31150027				



Continuing Calibration Verification Raw Data

ENTHALPY CONTINUING CALIBRATION FOR 506868 PCBS Wipe

EPA 8082

Inst:	SVOA-GC06			IDF:	1.0
Seqnum:	454166111016	File:	gc06_042424016	Time:	24-APR-2024 13:03
Cal:	454124679002	Caldate:	26-MAR-2024		

Standards: S20460

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Min RF	Flags
Aroclor-1016	A			500.0	507.5	ug/L	2	15	0.0000	
Aroclor-1260	A			500.0	532.4	ug/L	6	15	0.0000	
Decachlorobiphenyl (PCB)	A	1.1906	1.1850	40.00	39.81	ug/L	0	15	0.0000	
TCMX (PCB)	A	0.9004	0.9444	40.00	41.95	ug/L	5	15	0.0000	
Aroclor-1016	B			500.0	522.9	ug/L	5	15	0.0000	
Aroclor-1260	B			500.0	486.4	ug/L	-3	15	0.0000	
Decachlorobiphenyl (PCB)	B	0.8176	0.7457	40.00	36.48	ug/L	-9	15	0.0000	
TCMX (PCB)	B	0.8673	0.8436	40.00	38.91	ug/L	-3	15	0.0000	

ISTD (ICAL gc06_032624016)	Ch	ICAL Abund	Abund	%Drift
1-bromo-2-nitrobenzene (PCB)	B	32342806	45912064	41.95
1-bromo-2-nitrobenzene (PCB)	A	2506887	3177182	26.74

04/24/24 : 500 PPB PCB CCV

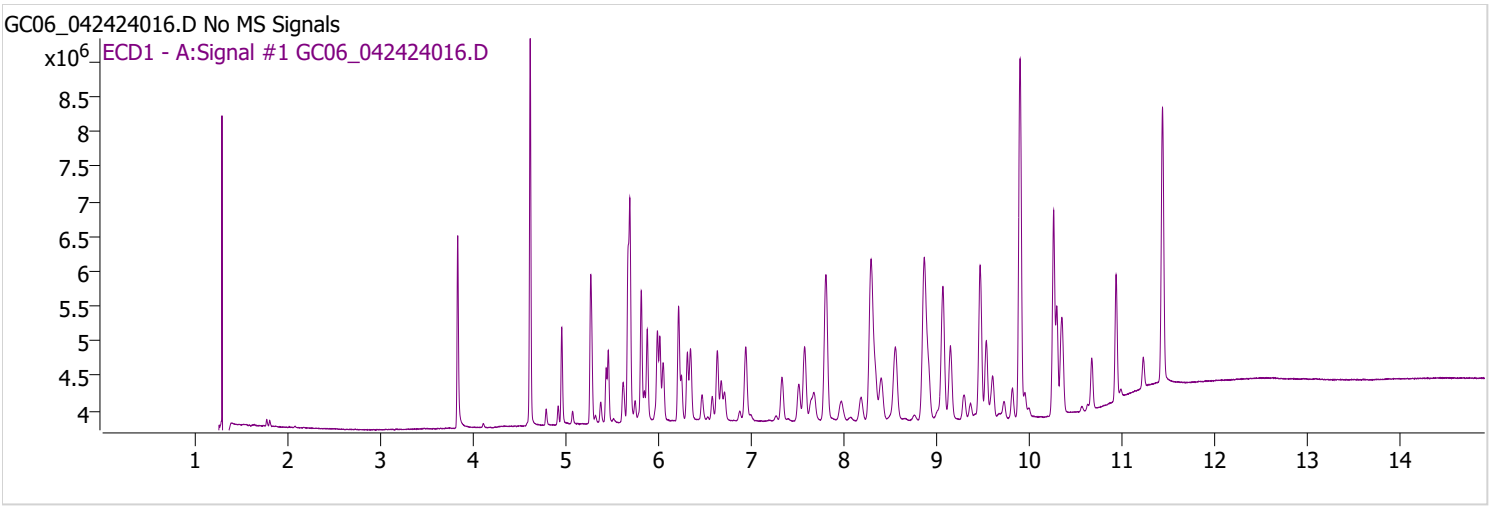
MES 04/24/24 [Aroclor-1016 A]: Separated from coeluting peak for all channels.

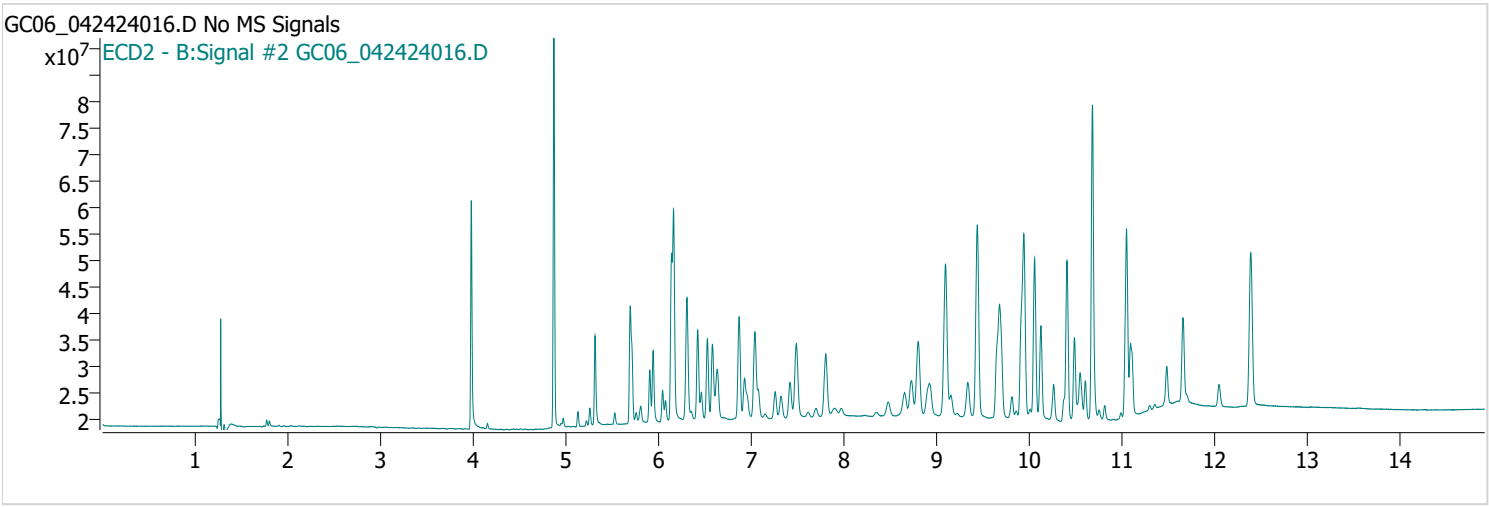
MES 04/24/24 [Aroclor-1260 A]: Corrected automatically drawn baseline for Ch. A.

Analyst: MES 04/24/24 **Reviewer:** MTS 04/29/24

Quantitation Results Report (Not Reviewed)

Data File	GC06_042424016.D	Operator	
Acq. Method	Acq_Pesticide_122221_3	Acq. Date-Time	4/24/2024 1:03:57 PM
Sample Name	CCV, S20460	Instrument	SVOA-GC06
Vial	144	Multiplier	1.00
DA Method File	PCB_608_032624_GC06_23.m	Comment	500 PPB PCB CCV
Tune File	ATUNE.U	Tune Date	
Batch Name	042424-PCB.batch.bin	Last Calib Update	3/27/2024 12:10:21 PM
Ref Library			



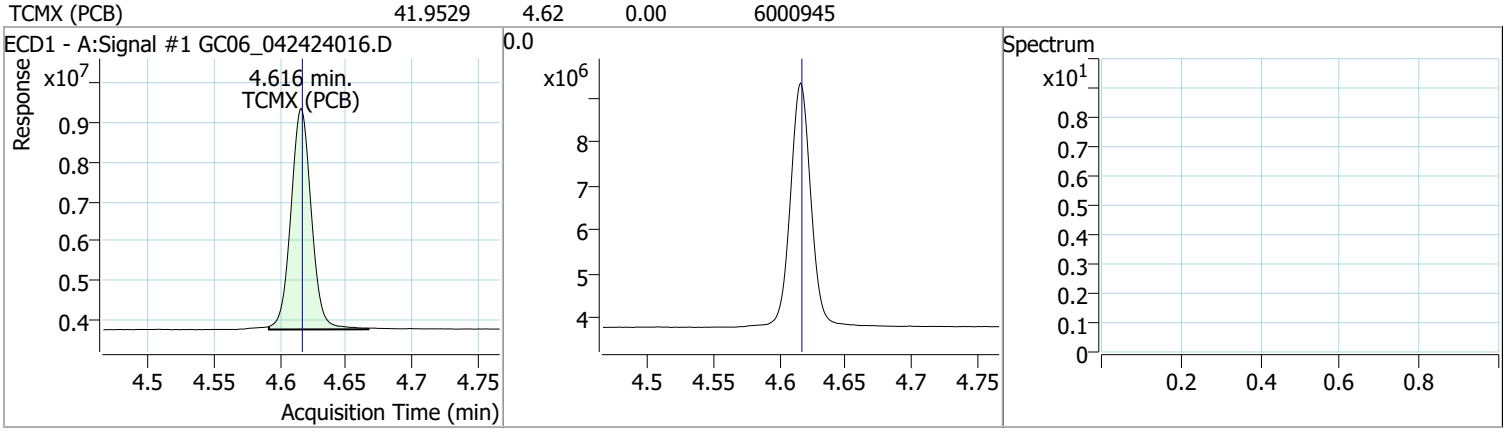


Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
Internal Standards							
M 1-bromo-2-nitrobenzene (PCB)	3.833	0.0	3177182.395	20.0000	ng/ml		0.000
M 1-bromo-2-nitrobenzene (PCB) #2	3.980	0.0	45912064.491	20.0000	ng/ml		0.000
System Monitoring Compounds							
S TCMX (PCB)	4.616	0.0	6000944.741	41.9529	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 209.76%		*	
S TCMX (PCB) #2	4.872	0.0	77459684.270	38.9072	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 194.54%		*	
S Decachlorobiphenyl (PCB)	11.440	0.0	7529798.141	39.8109	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 199.05%		*	
S Decachlorobiphenyl (PCB) #2	12.393	0.0	68469081.750	36.4800	ng/ml		0.000
Spiked Amount: 20.000	Range: 50.0 - 150.0%			Recovery = 182.40%		*	
Target Compounds							QValue

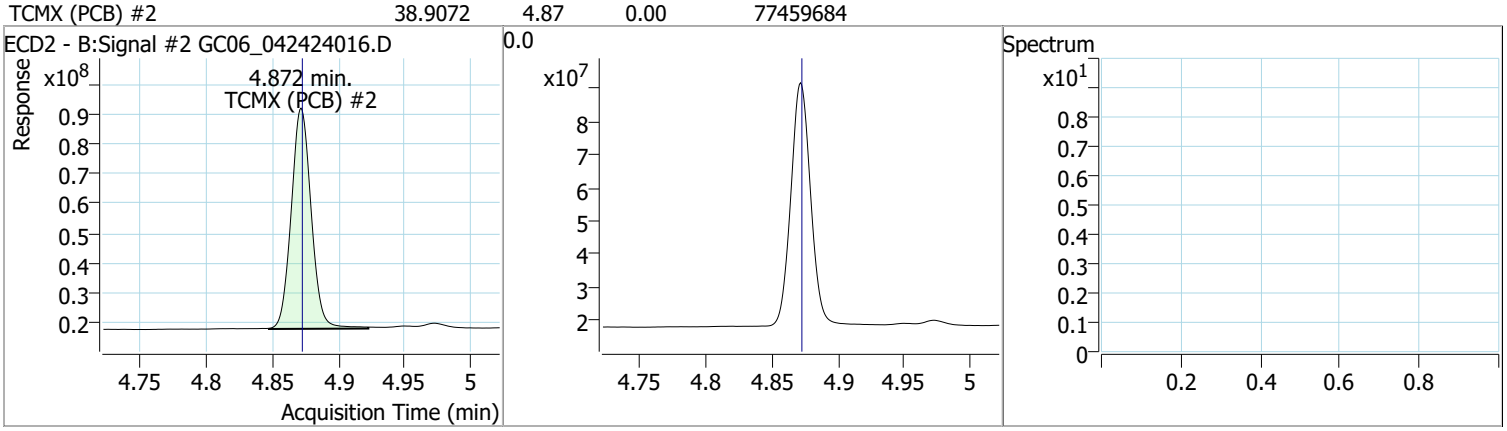
Compound	RT	QIon	Resp.	Conc.	Units		Dev(Min)
T AR1016 1	4.957	0.0	1723208.295	504.5371	ng/ml		100
T AR1016 2	5.270	0.0	3369110.711	512.3901	ng/ml		100
T AR1016 1 #2	5.316	0.0	21595360.949	509.0192	ng/ml		100
T AR1016 3	5.691	0.0	4274498.791	529.9813	ng/ml	m	100
T AR1016 2 #2	5.696	0.0	43627149.469	514.0136	ng/ml		100
T AR1016 4	5.814	0.0	2600194.067	456.6282	ng/ml		100
T AR1016 3 #2	6.163	0.0	62259665.536	529.6050	ng/ml	m	100
T AR1016 5	6.218	0.0	2547738.035	534.0311	ng/ml		100
T AR1016 4 #2	6.308	0.0	40838808.736	525.5386	ng/ml		100
T AR1016 5 #2	6.871	0.0	34873950.954	536.1167	ng/ml		100
T AR1260 1	7.808	0.0	5243580.298	539.6341	ng/ml		100
T AR1260 2	8.295	0.0	8086965.443	544.0207	ng/ml		100
T AR1260 3	8.869	0.0	8450872.532	539.3986	ng/ml		100
T AR1260 1 #2	9.098	0.0	70955237.408	552.1586	ng/ml		100
T AR1260 2 #2	9.441	0.0	81459044.238	521.1043	ng/ml		100
T AR1260 4	9.472	0.0	4616283.509	512.2135	ng/ml	m	100
T AR1260 3 #2	9.943	0.0	96346001.900	499.8238	ng/ml		100
T AR1260 5	10.266	0.0	5301464.606	526.8606	ng/ml		100
T AR1260 4 #2	10.409	0.0	51915955.135	433.1184	ng/ml		100
T AR1260 5 #2	11.052	0.0	68700510.663	425.6523	ng/ml		100

(#) = Qualifier Out of Range; (m) = Manual Integration; (+) = Area Summed; (*) = Surrogate Percent Recovery Out of Range; (d): Zeroed Peak

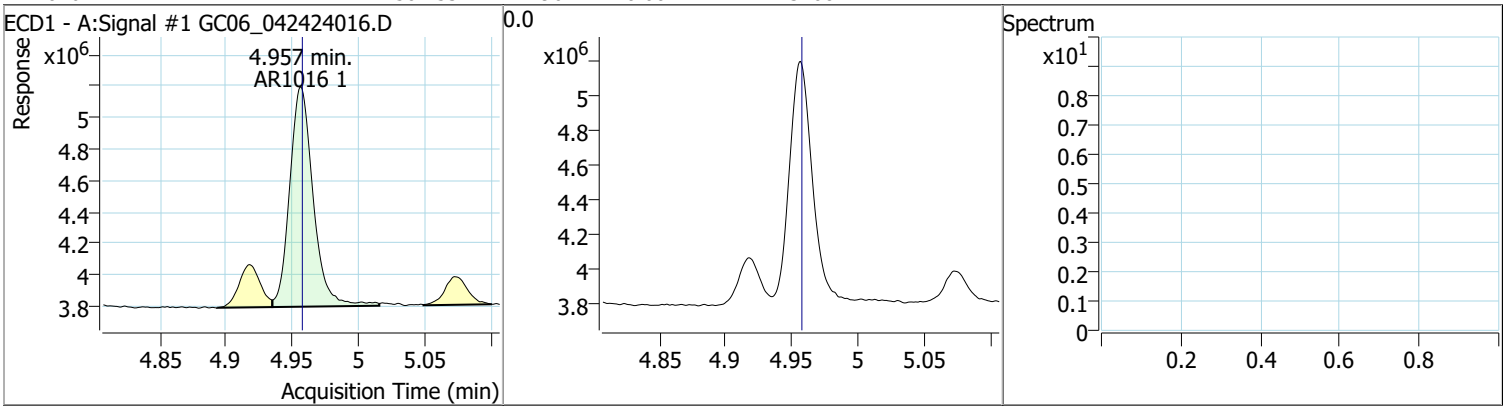
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB)	41.9529	4.62	0.00	6000945				



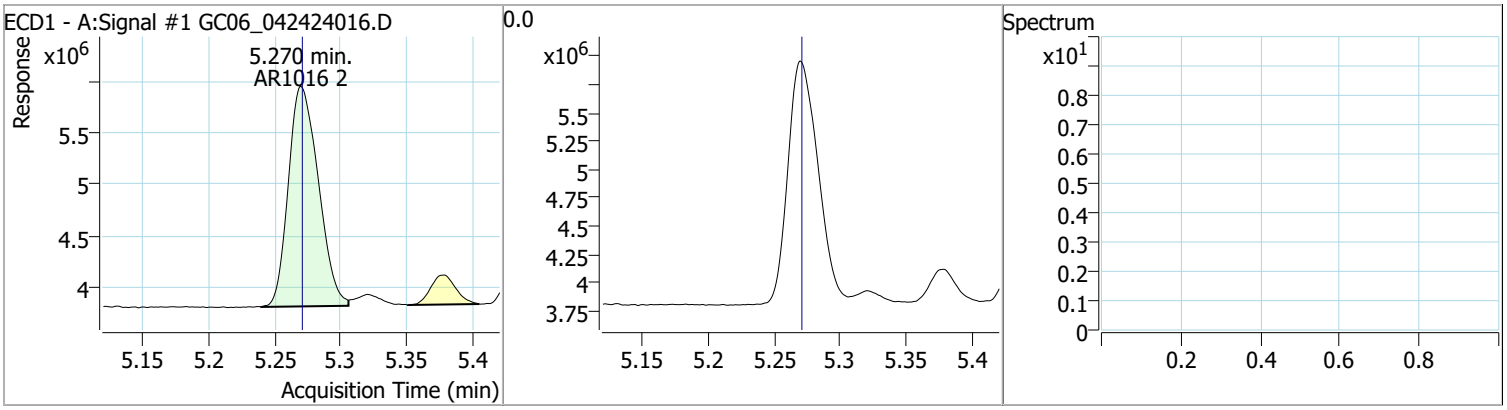
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
TCMX (PCB) #2	38.9072	4.87	0.00	77459684				



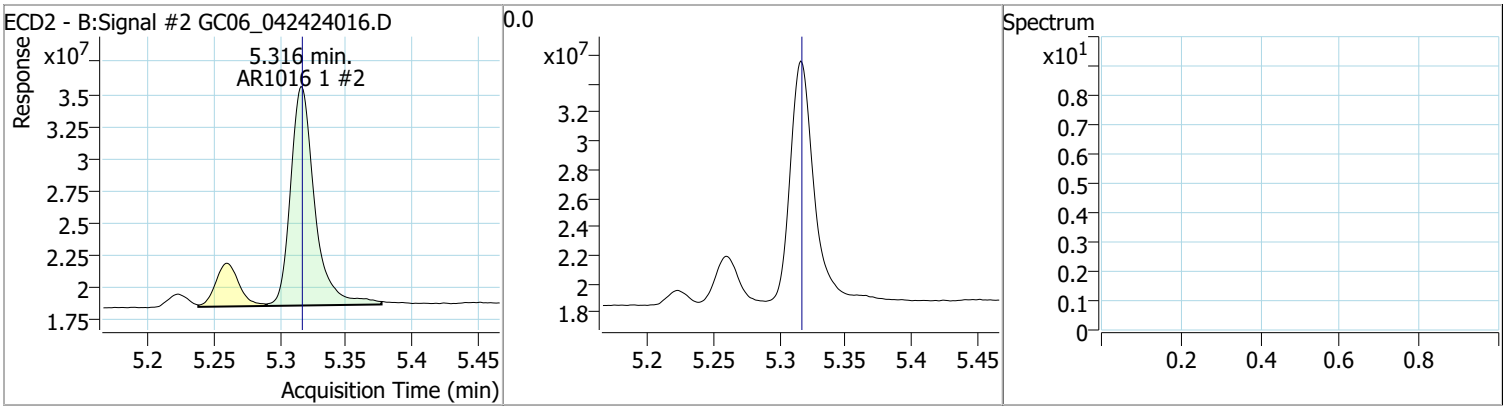
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1	504.5371	4.96	0.00	1723208				



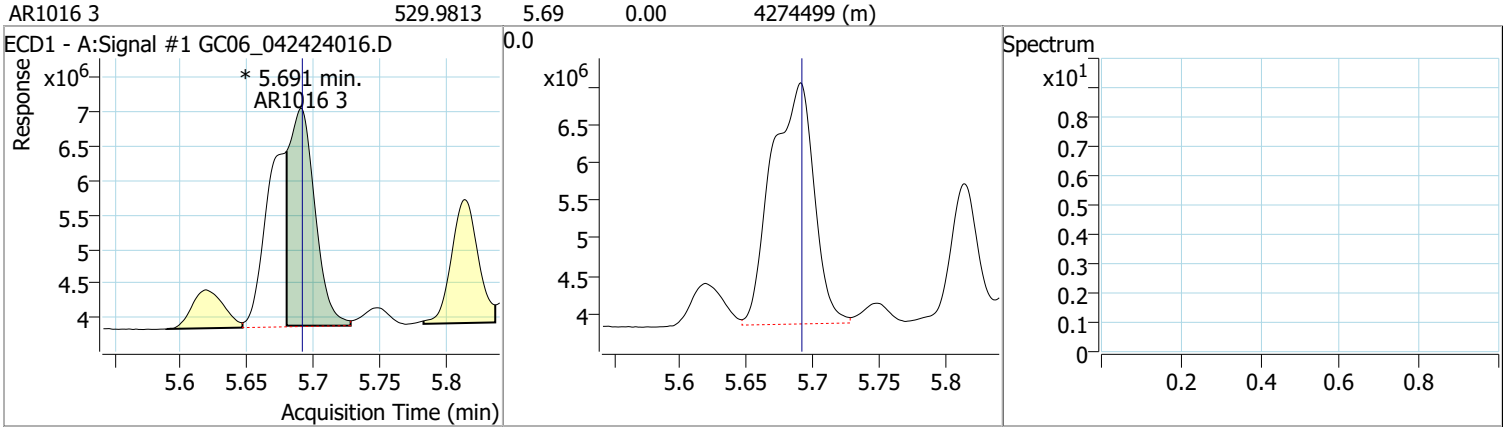
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2	512.3901	5.27	0.00	3369111				



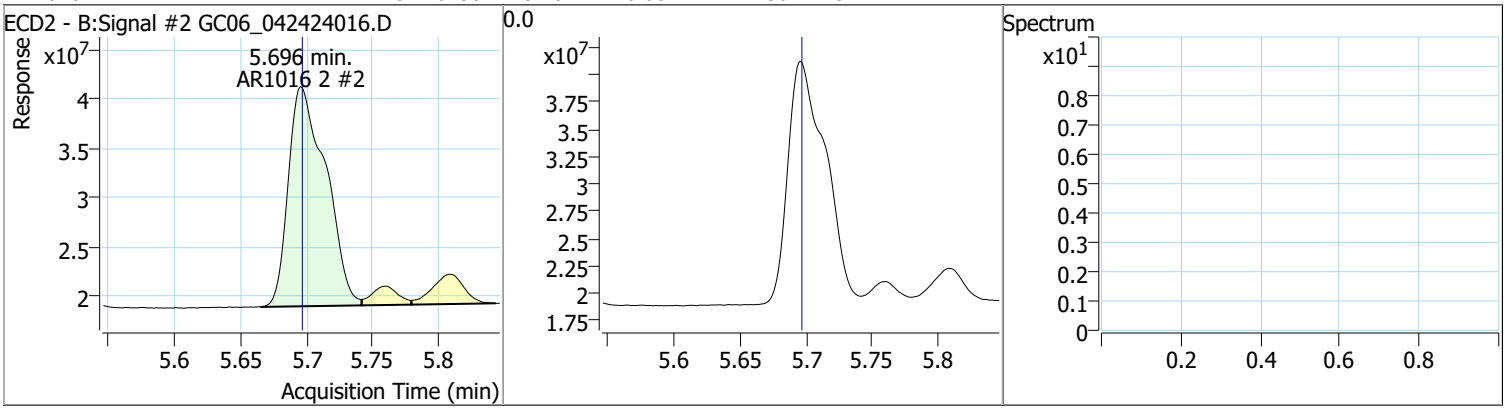
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 1 #2	509.0192	5.32	0.00	21595361				



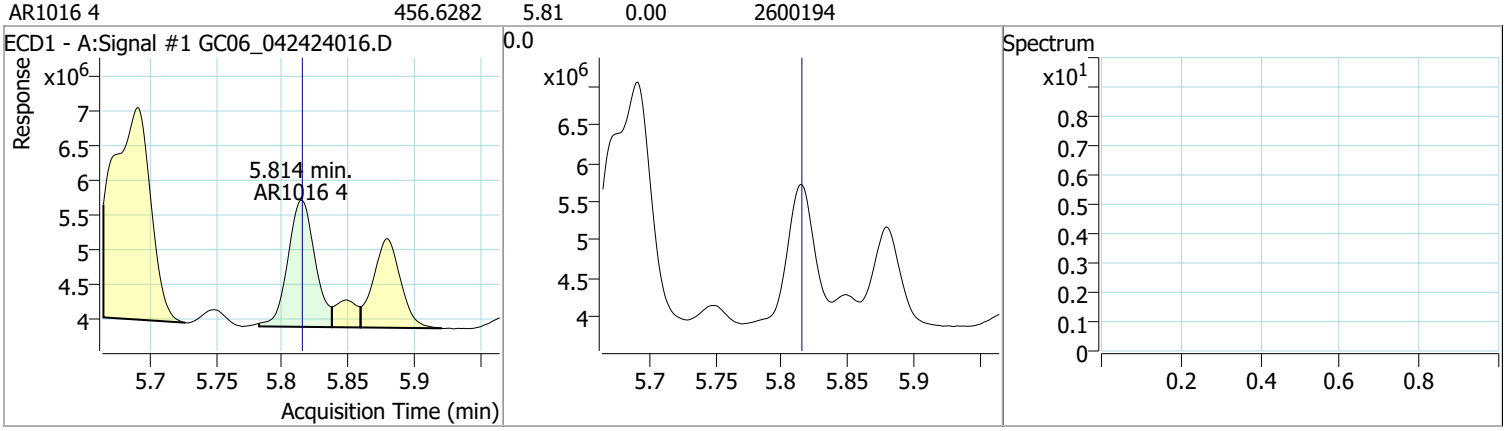
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3	529.9813	5.69	0.00	4274499 (m)				



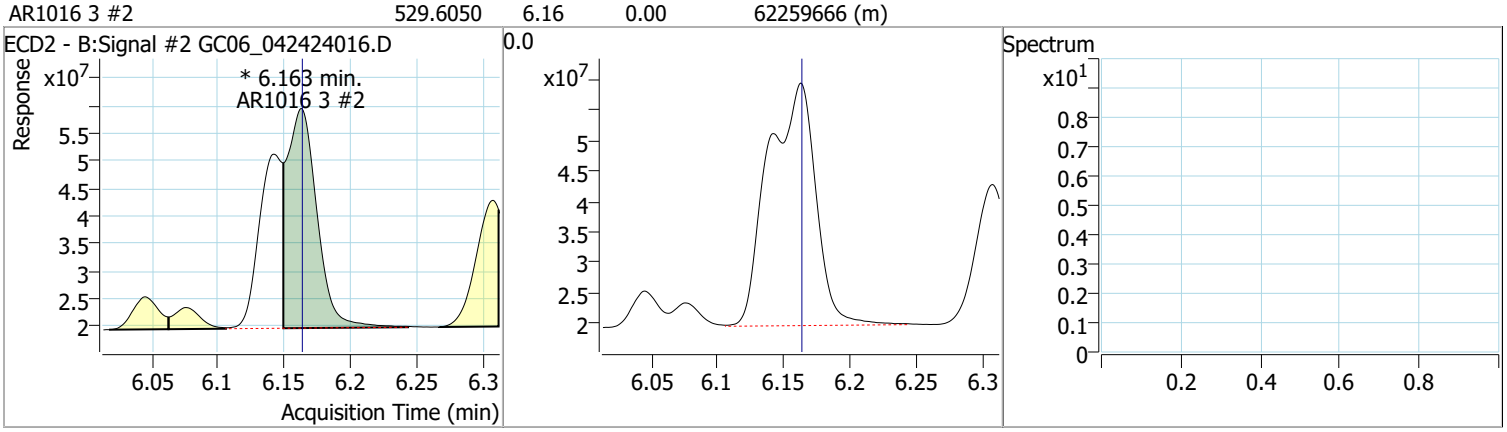
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 2 #2	514.0136	5.70	0.00	43627149				



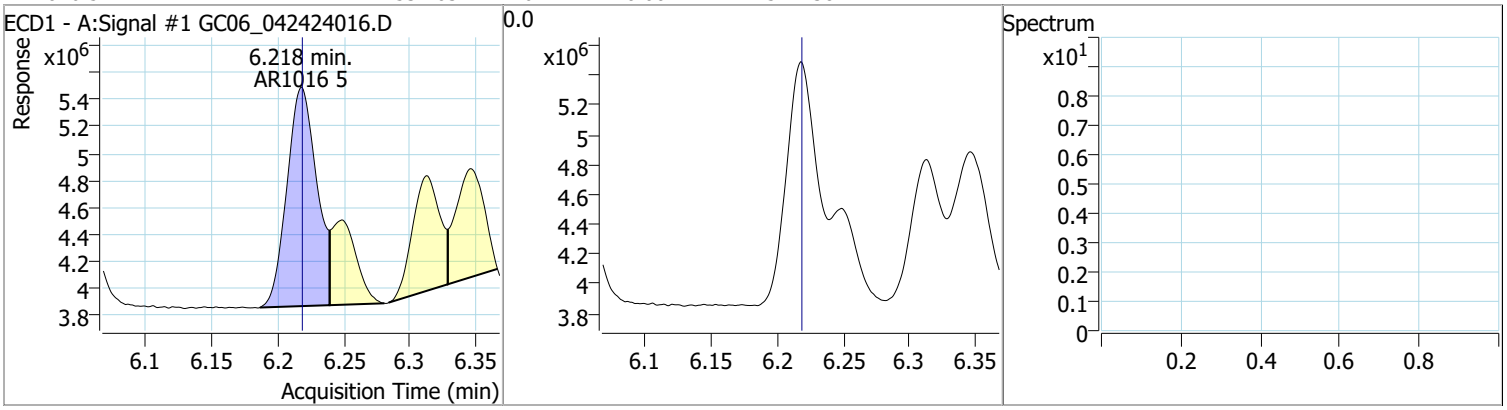
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4	456.6282	5.81	0.00	2600194				



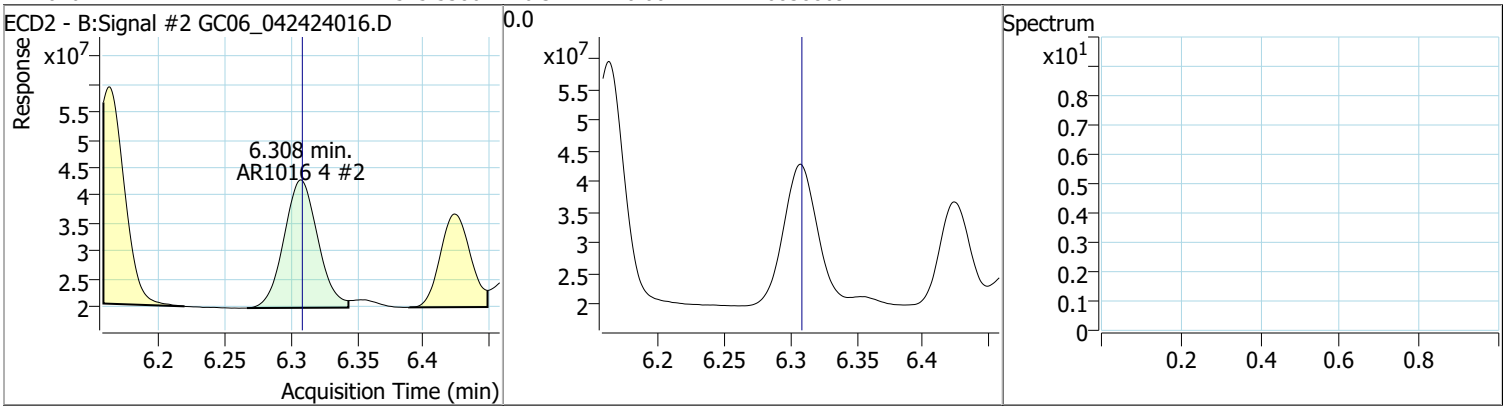
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 3 #2	529.6050	6.16	0.00	62259666 (m)				



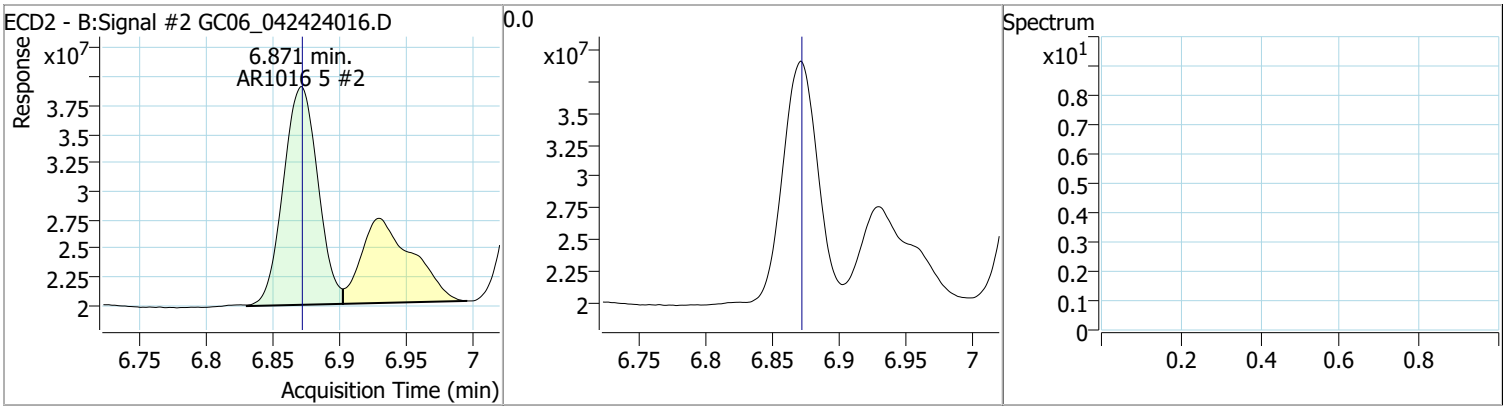
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5	534.0311	6.22	0.00	2547738				



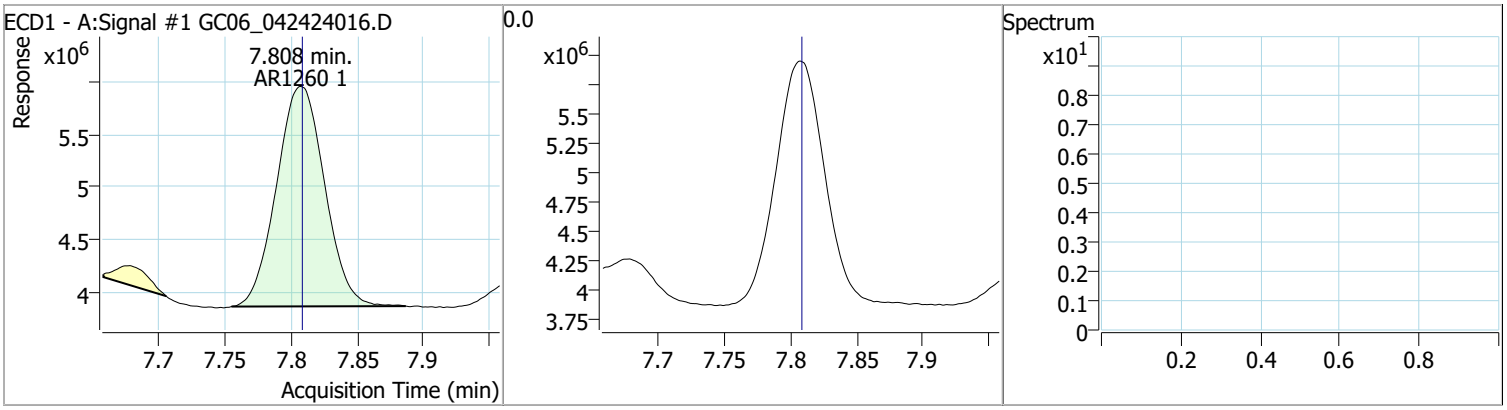
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 4 #2	525.5386	6.31	0.00	40838809				



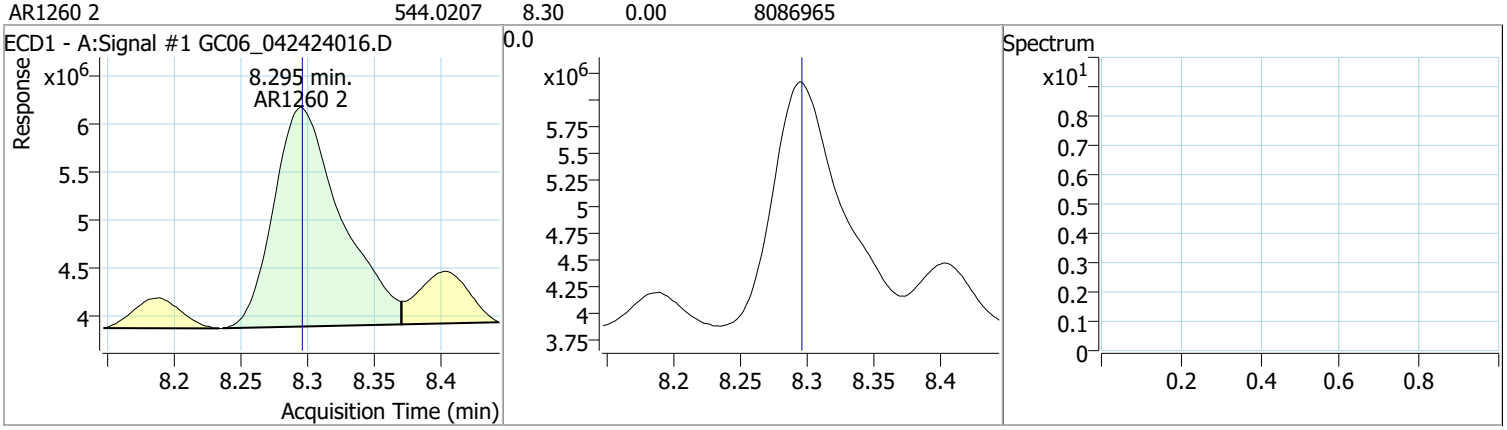
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1016 5 #2	536.1167	6.87	0.00	34873951				



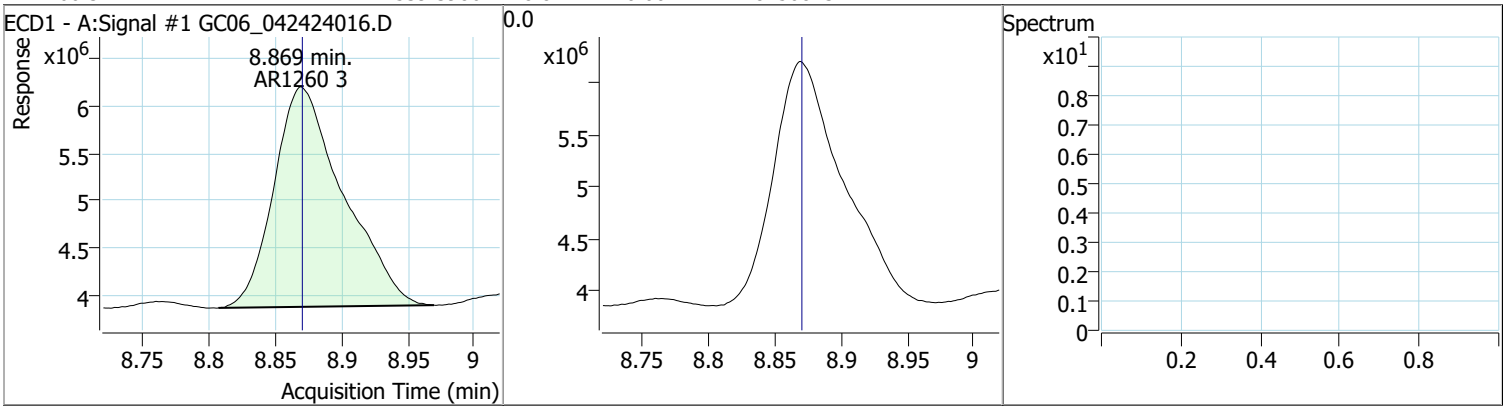
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1	539.6341	7.81	0.00	5243580				



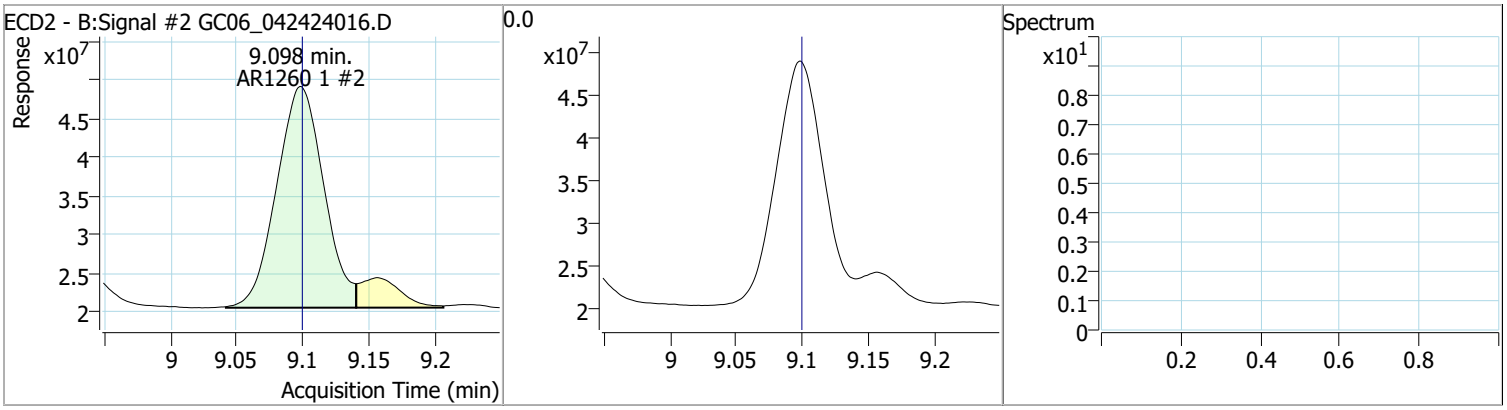
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2	544.0207	8.30	0.00	8086965				



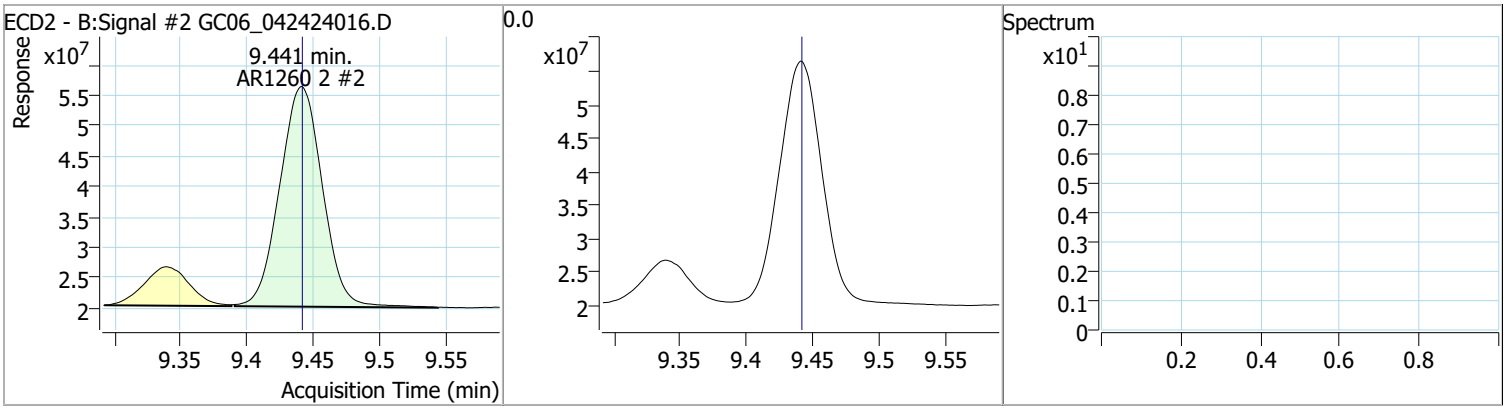
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3	539.3986	8.87	0.00	8450873				



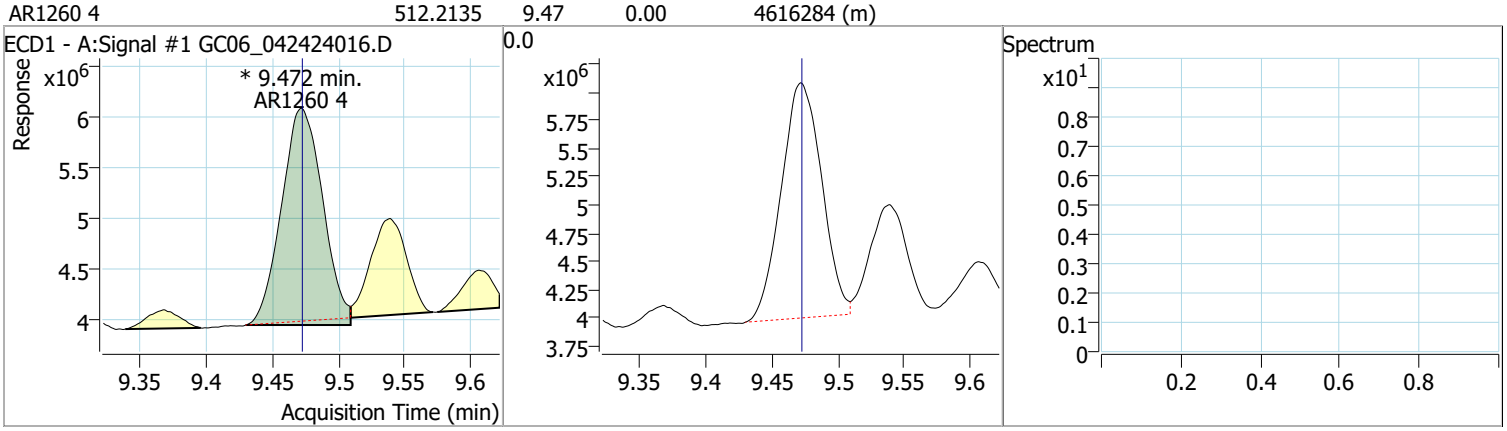
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 1 #2	552.1586	9.10	0.00	70955237				



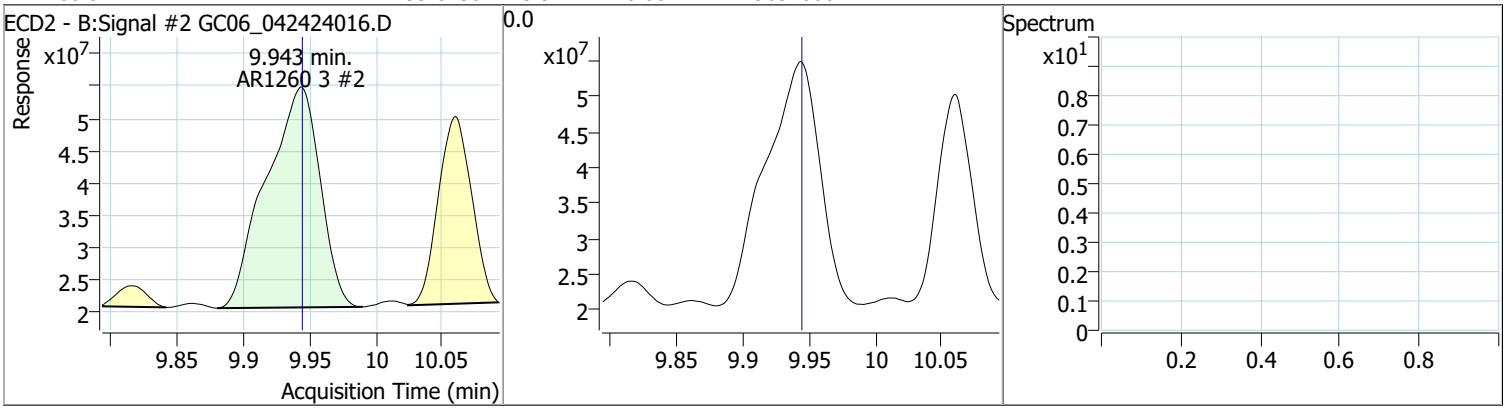
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 2 #2	521.1043	9.44	0.00	81459044				



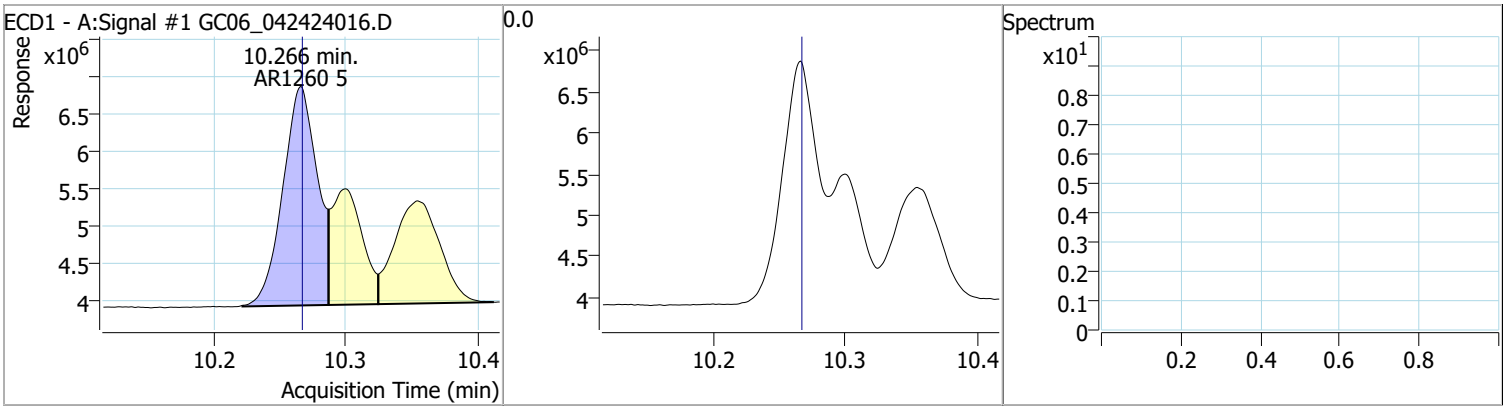
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4	512.2135	9.47	0.00	4616284 (m)				



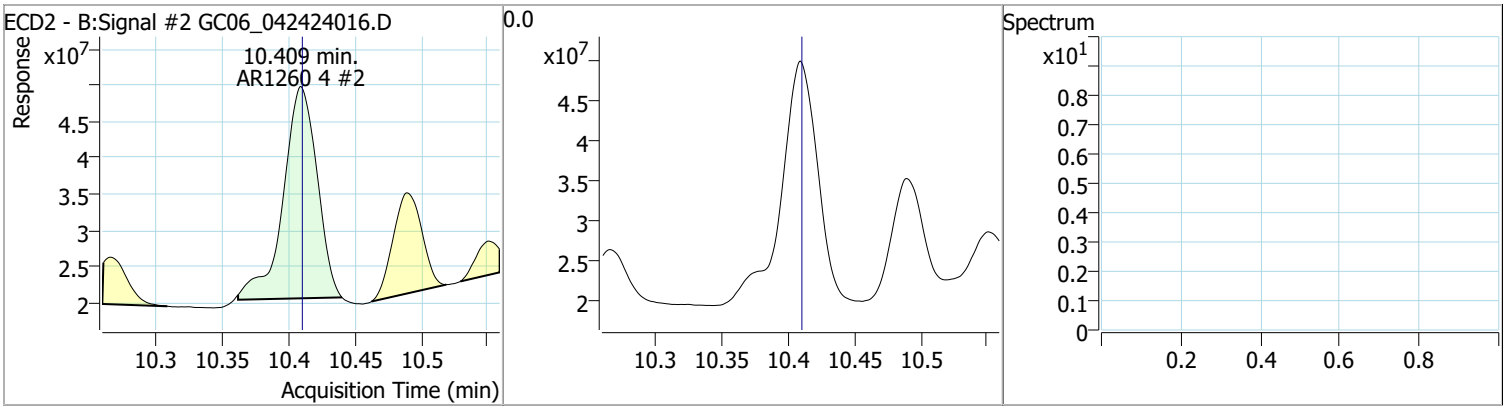
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 3 #2	499.8238	9.94	0.00	96346002				



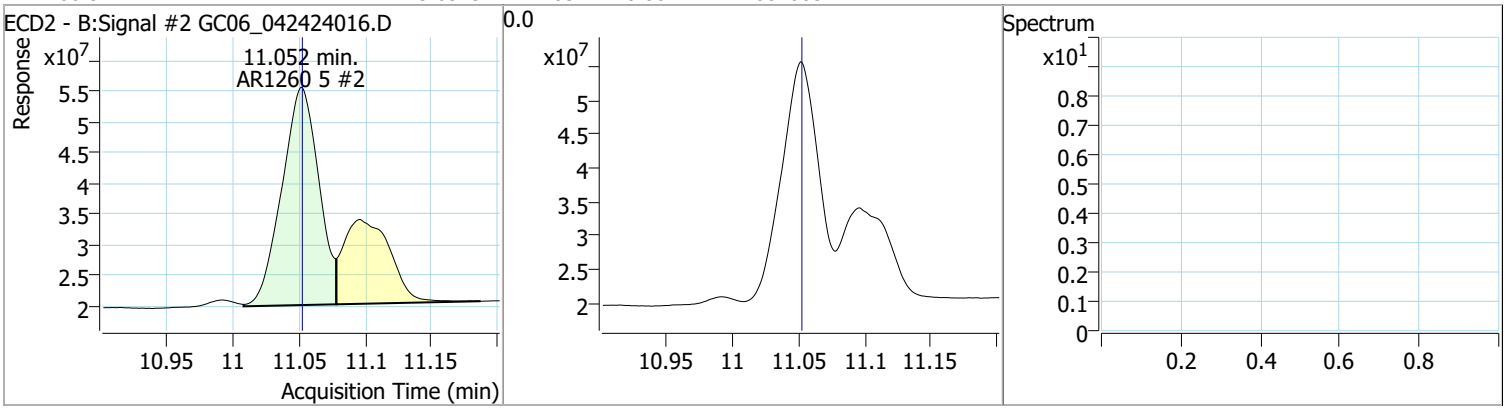
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5	526.8606	10.27	0.00	5301465				



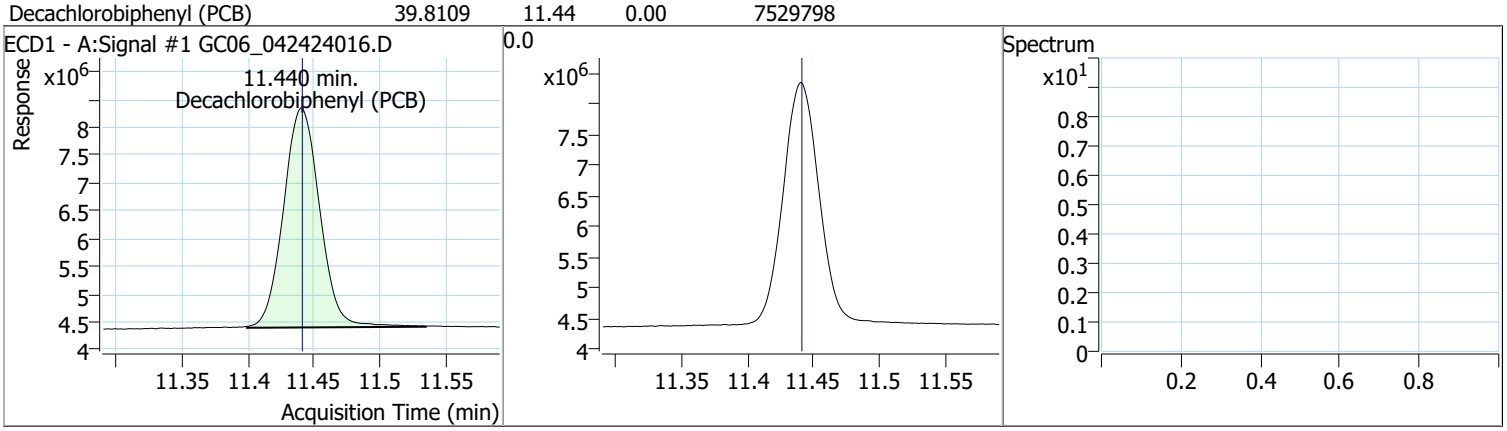
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 4 #2	433.1184	10.41	0.00	51915955				



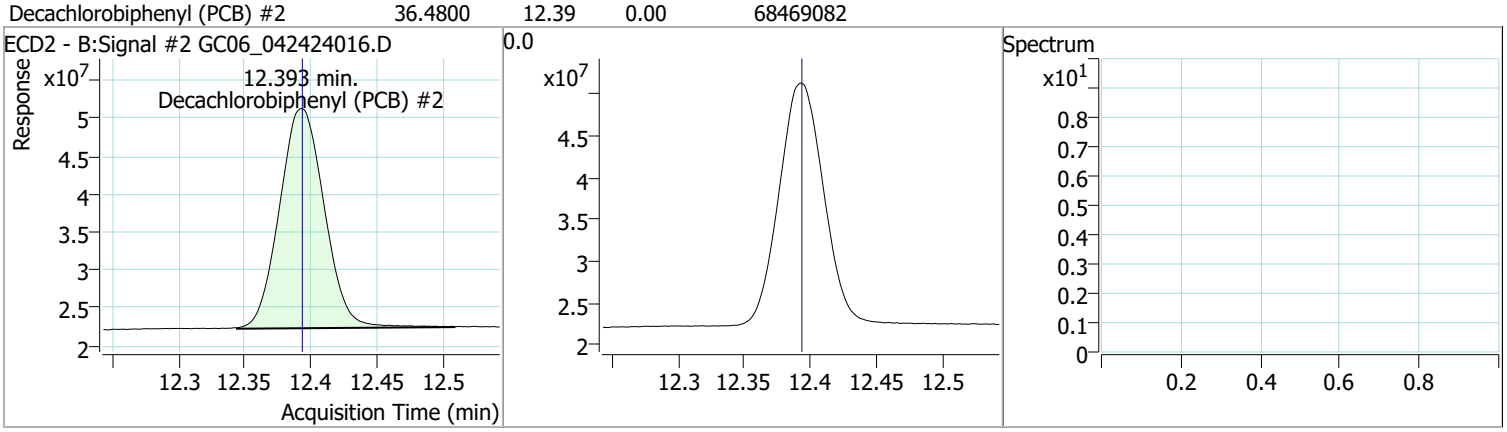
Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
AR1260 5 #2	425.6523	11.05	0.00	68700511				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB)	39.8109	11.44	0.00	7529798				



Compound	Conc.	RT	Dev(Min)	Resp.	QIon	QRatio	Lower	Upper
Decachlorobiphenyl (PCB) #2	36.4800	12.39	0.00	68469082				



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

enthalpy.com

Lab Job Number : 506868
Report Level : IV
Report Date : 04/30/2024

Metals

Analytical Report *prepared for:*

Austin Moore
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

Austin Moore
Rincon
Consultants
449 15th Street
#303
Oakland, CA
94612

Lab Job #:	506868
Project No:	20-10491
Location:	Hangar 1 NTCRA
Date Received:	04/22/24

Sample ID	Lab ID	Collected	Matrix
AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-L-LA	506868-003	04/22/24 07:45	Wipe
AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-L-LA	506868-005	04/22/24 08:05	Wipe
AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-L-WF	506868-007	04/22/24 08:15	Wipe
AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-L-LA	506868-009	04/22/24 08:30	Wipe
AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-WF	506868-011	04/22/24 09:20	Wipe
AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-DUP-WF	506868-012	04/22/24 09:20	Wipe
AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-L-LA	506868-014	04/22/24 08:50	Wipe
AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-L-LA	506868-016	04/22/24 09:05	Wipe
AFRAME-C14E-MED-L2-HS-1-240422-L-G	506868-018	04/22/24 09:35	Wipe
AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-L-I	506868-020	04/22/24 09:55	Wipe
AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-L-LA	506868-022	04/22/24 10:20	Wipe

Case Narrative
METALS (EPA 6010B)

Rincon Consultants 449 15th Street #303 Oakland, CA 94612 Austin Moore	Lab Job Number: 506868 Project No: 20-10491 Location: Hangar 1 NTCRA Date Received: 04/22/24

This data package contains sample and QC results for eleven wipe samples, requested for the above referenced project on 04/23/24. See attached cooler receipt form for any sample receipt problems or discrepancies.

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

Chain of Custody

506868

ENTHALPY ANALYTICAL

Chain of Custody Record COC ID:

Page: 1 of 2

Turn Around Time (rush by advanced notice only)

Standard:	X (PCBs)	5 Day:		3 Day:	
2 Day:		1 Day:	X (PB)	custom TAT:	

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

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

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

Report: Level IV

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
1	AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-LA	4/22/2024	0745	WP	1	--	X			**Confirmation Wipe Samples - Level IV Report/Stage 3 Validation** Report PCB concentrations on a µg/100cm2 basis Report lead concentrations on a µg/ft2 basis Report Aroclor 1268 concentrations in addition to the standard Aroclors Wipe samples collected from Zone 7 Enclosure A/B (High Occupancy)
2	AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-DUP-LA	4/22/2024	0745	WP	1	--	X			
3	AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-L-LA	4/22/2024	0745	WP	1	--		X		
4	AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-P-LA	4/22/2024	0805	WP	1	--	X			
5	AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-L-LA	4/22/2024	0805	WP	1	--		X		
6	AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-P-WF	4/22/2024	0815	WP	1	--	X			
7	AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-L-WF	4/22/2024	0815	WP	1	--		X		
8	AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-P-LA	4/22/2024	0830	WP	1	--	X			
9	AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-L-LA	4/22/2024	0830	WP	1	--		X		
~~10~~	~~AFRAME-C13E-MED-L3-UP-C13.3-DG-240422-P-LA~~	~~4/22/2024~~		WP	1		X			DW
~~11~~	~~AFRAME-C13E-MED-L3-UP-C13.3-DG-240422-L-LA~~	~~4/22/2024~~		WP	1			X		DW
12	AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-P-WF	4/22/2024	0920	WP	1	--	X			
13	AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-WF	4/22/2024	0920	WP	1	--		X		
14	AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-DUP-WF	4/22/2024	0920	WP	1	--		X		
15	AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-P-LA	4/22/2024	0850	WP	1	--	X			

	Signature	Print Name	Company / Title	Date / Time
1 Relinquished By:		Donald Welsh	Rincon / Env. Scientist	4/22/24 1355
1 Received By:	Andrea Hudson	ENTHALPY "	ANDREA HUDSON "	4/22/24 13:55
2 Relinquished By:	Audrey Hudson			4/22/24 16:45
2 Received By:		Kenneth High	BVA	4/22/24 16:45
3 Relinquished By:			EA	4/22/24 18:46
3 Received By:	J. Quintana	JELBERT QUINTANA	E.A.	4/23/24 1035

506868

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

Sample Receipt Temp: (lab use only)

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

	Sample ID	Sampling Date	Sampling Time	Matrix	Container No. / Size	Pres.	PCBs - EPA Method 3546/8082	Lead by EPA Method 3050M/6010B	HOLD	Test Instructions / Comments
16	AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-L-LA	4/22/2024	0850	WP	1	--		X		
17	AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-P-LA	4/22/2024	0905	WP	1	--	X			
18	AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-L-LA	4/22/2024	0905	WP	1	--		X		
19	AFRAME-C14E-MED-L2-HS-1-240422-P-G	4/22/2024	0935	WP	1	--	X			
20	AFRAME-C14E-MED-L2-HS-1-240422-L-G	4/22/2024	0935	WP	1	--		X		2x Rivet Type 1 = 0.0276 ft²
21	AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-P-I	4/22/2024	0955	WP	1	--	X			
22	AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-L-I	4/22/2024	0955	WP	1	--		X		
23	240422-P-FIELDBLANK1-HO	4/22/2024	0750	WP	1	--	X			
24	AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-L-LA	4/22/24	1020	WP	1	--		X		
25	AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-P-LA	4/22/24	1020	WP	1	--	X			
26										
27										
28										
29										
30										

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 7 Enclosure A/B (High Occupancy)

	Signature	Print Name	Company / Title	Date / Time
[1] Relinquished By:		Donald Welsh	Rincon / Env. Scientist	4/22/24 1355
[1] Received By:	Audrey Ichidson	AUDREY ICHIDSON	ENTHALPY	4/22/24 13:55
[2] Relinquished By:	Audrey Ichidson	AUDREY ICHIDSON	ENTHALPY	4/22/24 16:45
[2] Received By:		Maxwell Kys	FedEx	4/22/24 16:45
[3] Relinquished By:				
[3] Received By:	J. Quintana	JOBERT QUITUGUA	E.A.	4/23/24 1035

The below sample checklist was completed after delivery of samples by the laboratory provided courier or Rincon personnel to Enthalpy Analytical in Berkeley, CA, therefore no custody seals were applied to the cooler.

SAMPLE RECEIPT CHECKLIST

ENTHALPY ANALYTICAL

Section 1: General Info

Date Received: 4/22/24 Login # 506868 Client: Rincon

Section 2: Shipping / Custody

Shipping Info: _____

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

Custody seals intact on arrival? ☐ Yes ☐ No ☑ N/A Date: _____ # of seals _____ ☐ Signature ☐ Initials

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

Date Opened 4/22/24 By (print) Kenneth High (sign) [signature]

☑ Samples received on ice directly from the field. Cooling process had begun. (if checked, skip temperatures)

If no cooler: Sample Temp (°C): _____

How many coolers? 1 Temp (°C): #1:_____ #2:_____ #3:_____ #4:_____ #5:_____ #6: _____

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

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

Section 4: Containers / Labels / Samples	YES	NO	N/A
Were custody papers dry, filled out properly, and the project identifiable?	✓		
Were Method 5035 sampling containers present? Transferred to freezer @:_____		✓	
Did all containers 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 about this delivery? Contacted:_____ By:_____ Date:_____		✓	

Section 5: Preservatives	YES	NO	N/A
Are the samples appropriately preserved? (if yes, skip the rest of section 5)	✓		
Did any samples / containers require preservation upon receipt?			
Did you document your preservative check in the bench book?			

Preservative added:

☐ H2SO4 lot#_____ added to samples_____ Date/Time_____

☐ HCL lot#_____ added to samples_____ Date/Time_____

☐ HNO3 lot#_____ added to samples_____ Date/Time_____

☐ CrVI Buffer lot#_____ added to samples_____ Date/Time_____

Section 6: Explanations / Comments

Date Logged 4/22/24 **By (print)** Kenneth High for MAY **(sign)** [signature]

Date Labeled 4/22/24 **By (print)** Kenneth High **(sign)** [signature]

Enthalpy Analytical - Berkeley

Rev.15.1, 09/13/2019

The below sample checklist was completed after the samples were shipped from the Enthalpy Analytical location in Berkeley, CA to the Enthalpy Analytical location in Orange, CA.

ENTHALPY ANALYTICAL

SAMPLE ACCEPTANCE CHECKLIST

Section 1

Client: RINCON Project: HANGAR 1 - NCTRA WP

Date Received: 04/23/24 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: 2.4 #2: _____ #3: _____ #4: _____

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

Shipping Information: _____

Section 3

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

Cooler Temp (°C): #1: 1.7 #2: _____ #3: _____ #4: _____

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

Section 5 Explanations/Comments

506868

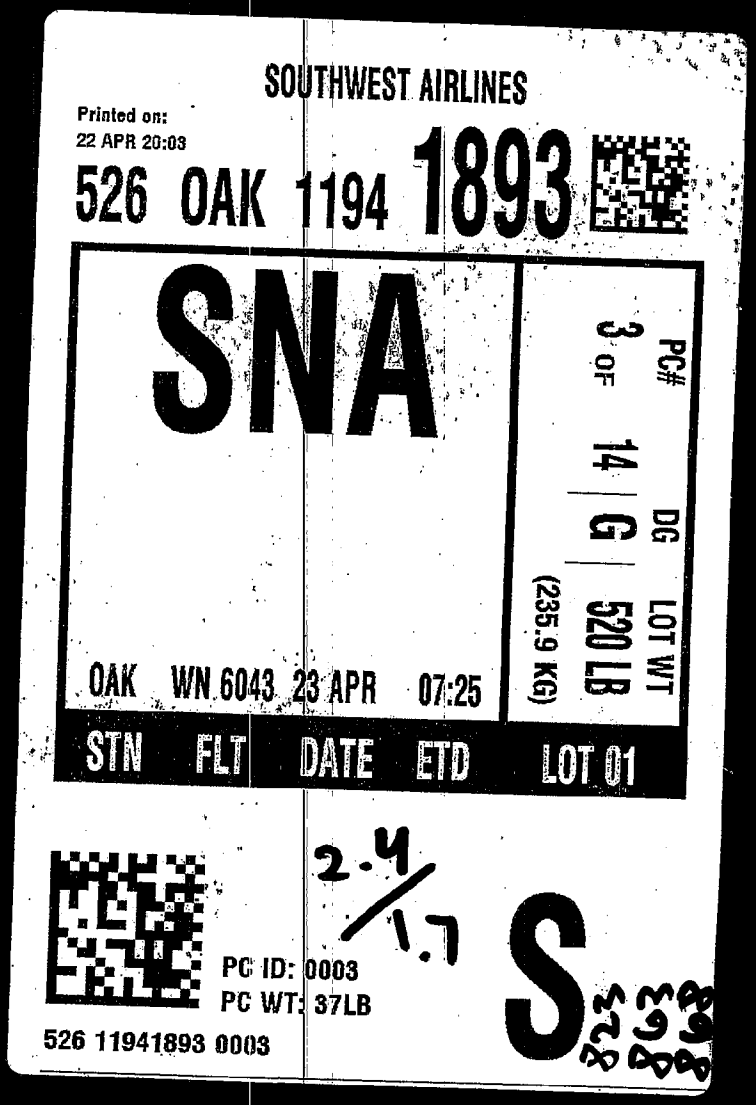
Section 6

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

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

Project Manager's response:

Completed By: J. Quintana Date: 4/23/24


SOUTHWEST AIRLINES
Printed on:
22 APR 20:03
526 OAK 1194 1893
SNA
PC# 3 OF 14
DG G
LOT WT 520 LB (235.9 KG)
OAK WN 6043 23 APR 07:25
STN FLT DATE ETD LOT 01
2.4/1.7
PC ID: 0003
PC WT: 37LB
526 11941893 0003
S

Results & QC Summary

ENTHALPY ANALYTICAL

Lead

Lab #: 506868 **Project#:** 20-10491

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

Field ID: AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-L-LA **Batch#:** 338528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506868-003 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506868-003 Analyte	Result	RL	Units
Lead	**160**	0.50	ug/ft2

Field ID: AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-L-LA **Batch#:** 338528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506868-005 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506868-005 Analyte	Result	RL	Units
Lead	**120**	0.50	ug/ft2

Field ID: AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-L-WF **Batch#:** 338528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506868-007 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506868-007 Analyte	Result	RL	Units
Lead	**130**	0.50	ug/ft2

Field ID: AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-L-LA **Batch#:** 338528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506868-009 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506868-009 Analyte	Result	RL	Units
Lead	**160**	0.50	ug/ft2

Field ID: AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-WF **Batch#:** 338528 **Prep:** EPA 3050B
Type: SAMPLE **Sampled:** 04/22/24 **Analysis:** EPA 6010B
Lab ID: 506868-011 **Received:** 04/22/24 **Analyst:** SBW
Matrix: Wipe **Prepared:** 04/23/24
Diln Fac: 1.000 **Analyzed:** 04/23/24

506868-011 Analyte	Result	RL	Units
Lead	**110**	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 506868 **Project#:** 20-10491
Client: Rincon Consultants **Location:** Hangar 1 NTCRA

Field ID: AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-DUP-WF
Type: SAMPLE
Lab ID: 506868-012
Matrix: Wipe
Diln Fac: 1.000
Batch#: 338528
Sampled: 04/22/24
Received: 04/22/24
Prepared: 04/23/24
Analyzed: 04/23/24
Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

506868-012 Analyte	Result	RL	Units
Lead	130	0.50	ug/ft2

Field ID: AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-L-LA
Type: SAMPLE
Lab ID: 506868-014
Matrix: Wipe
Diln Fac: 1.000
Batch#: 338528
Sampled: 04/22/24
Received: 04/22/24
Prepared: 04/23/24
Analyzed: 04/23/24
Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

506868-014 Analyte	Result	RL	Units
Lead	83	0.50	ug/ft2

Field ID: AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-L-LA
Type: SAMPLE
Lab ID: 506868-016
Matrix: Wipe
Diln Fac: 1.000
Batch#: 338528
Sampled: 04/22/24
Received: 04/22/24
Prepared: 04/23/24
Analyzed: 04/23/24
Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

506868-016 Analyte	Result	RL	Units
Lead	130	0.50	ug/ft2

Field ID: AFRAME-C14E-MED-L2-HS-1-240422-L-G
Type: SAMPLE
Lab ID: 506868-018
Matrix: Wipe
Diln Fac: 1.000
Batch#: 338528
Sampled: 04/22/24
Received: 04/22/24
Prepared: 04/23/24
Analyzed: 04/23/24
Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

506868-018 Analyte	Result	RL	Units
Lead	320	0.50	ug/ft2

Field ID: AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-L-I
Type: SAMPLE
Lab ID: 506868-020
Matrix: Wipe
Diln Fac: 1.000
Batch#: 338528
Sampled: 04/22/24
Received: 04/22/24
Prepared: 04/23/24
Analyzed: 04/23/24
Prep: EPA 3050B
Analysis: EPA 6010B
Analyst: SBW

506868-020 Analyte	Result	RL	Units
Lead	140	0.50	ug/ft2

ENTHALPY ANALYTICAL

Lead

Lab #: 506868 **Project#:** 20-10491

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

Field ID:	AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-L-LA	**Batch#:**	338528	**Prep:**	EPA 3050B
Type:	SAMPLE	**Sampled:**	04/22/24	**Analysis:**	EPA 6010B
Lab ID:	506868-022	**Received:**	04/22/24	**Analyst:**	SBW
Matrix:	Wipe	**Prepared:**	04/23/24		
Diln Fac:	1.000	**Analyzed:**	04/23/24		

506868-022 Analyte	Result	RL	Units
Lead	**34**	0.50	ug/ft2

Type:	BLANK	**Batch#:**	338528	**Analysis:**	EPA 6010B
Lab ID:	QC1147107	**Prepared:**	04/23/24	**Analyst:**	SBW
Matrix:	Wipe	**Analyzed:**	04/23/24		
Diln Fac:	1.000	**Prep:**	EPA 3050B		

QC1147107 Analyte	Result	RL	Units
Lead	ND	0.50	ug/ft2

Legend

ND: Not Detected

RL: Reporting Limit

ENTHALPY ANALYTICAL

Lead: Batch QC

Lab #: 506868 **Project#:** 20-10491

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

Type: BS **Batch#:** 338528 **Analysis:** EPA 6010B

Lab ID: QC1147108 **Prepared:** 04/23/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 04/23/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1147108 Analyte	Spiked	Result	%REC	Limits	Units
Lead	100.0	107.1	107	80-120	ug/ft2

Type: BSD **Batch#:** 338528 **Analysis:** EPA 6010B

Lab ID: QC1147109 **Prepared:** 04/23/24 **Analyst:** SBW

Matrix: Wipe **Analyzed:** 04/23/24

Diln Fac: 1.000 **Prep:** EPA 3050B

QC1147109 Analyte	Spiked	Result	%REC	Limits	Units	RPD	Lim
Lead	100.0	109.7	110	80-120	ug/ft2	2	20

Legend

RPD: Relative Percent Difference

REPORTING SUMMARY FOR 506868 METALS Wipe
Enthalpy Analytical - Orange

Lab ID	Inst ID	Analyzed	IDF	PB
506868-003	MET12	04/23/24 17:40	1.0	✓
506868-005	MET12	04/23/24 17:43	1.0	✓
506868-007	MET12	04/23/24 17:46	1.0	✓
506868-009	MET12	04/23/24 17:55	1.0	✓
506868-011	MET12	04/23/24 17:58	1.0	✓
506868-012	MET12	04/23/24 18:01	1.0	✓
506868-014	MET12	04/23/24 18:05	1.0	✓
506868-016	MET12	04/23/24 18:08	1.0	✓
506868-018	MET12	04/23/24 18:11	1.0	✓
506868-020	MET12	04/23/24 18:14	1.0	✓
506868-022	MET12	04/23/24 18:17	1.0	✓
QC1147107	MET12	04/23/24 16:56	1.0	✓
QC1147108	MET12	04/23/24 16:59	1.0	✓
QC1147109	MET12	04/23/24 17:02	1.0	✓

Enthalpy Sequence Summary for Sequence 794164775

Instrument: MET12 Begun: 04/23/24 10:15
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				04/23/24 10:15	1.0		
002	icp data	ICAL	L1			04/23/24 10:18	1.0	1	
003	icp data	ICAL	L2			04/23/24 10:21	1.0	2	
004	icp data	ICAL	L3			04/23/24 10:24	1.0	3	
005	icp data	ICAL	L4			04/23/24 10:28	1.0	4	
006	icp data	ICAL	L5			04/23/24 10:31	1.0	5	
007	icp data	ICAL	L6			04/23/24 10:34	1.0	6	
008	icp data	ICAL	L7			04/23/24 10:37	1.0	7	
009	icp data	ICAL	L8			04/23/24 10:40	1.0	8	
010	icp data	ICV				04/23/24 10:43	1.0	9	
011	icp data	ICV				04/23/24 10:49	1.0	10	
012	icp data	ICB				04/23/24 10:52	1.0		
013	icp data	CRI				04/23/24 10:55	1.0	11	
014	icp data	ICSA				04/23/24 10:58	1.0	12	6:MGASMGCO3=1400
015	icp data	ICSAB				04/23/24 11:01	1.0	13	6:MGASMGCO3=1400
016	icp data	BLANK	QC1146498	Drinking Water	338345	04/23/24 11:04	1.0	14	
017	icp data	LCS	QC1146499	Drinking Water	338345	04/23/24 11:07	1.0	14	
018	icp data	MSS	506699-001	Drinking Water	338345	04/23/24 11:11	1.0	14	
019	icp data	MS	QC1146500	Drinking Water	338345	04/23/24 11:14	1.0	14	
020	icp data	MSD	QC1146501	Drinking Water	338345	04/23/24 11:17	1.0	14	
021	icp data	SAMPLE	506753-003	Drinking Water	338345	04/23/24 11:20	1.0	14	
022	icp data	CCV				04/23/24 11:23	1.0	10	
023	icp data	CCB				04/23/24 11:26	1.0		
024	icp data	BLANK	QC1147080	Drinking Water	338516	04/23/24 11:29	1.0	14	
025	icp data	XLCS	QC1146946	Drinking Water	338516	04/23/24 11:32	1.0	14	
026	icp data	MSS	506871-003	Drinking Water	338516	04/23/24 11:36	1.0	14	
027	icp data	SAMPLE	506871-001	Drinking Water	338516	04/23/24 11:41	1.0	14	
028	icp data	SAMPLE	506871-002	Drinking Water	338516	04/23/24 11:44	1.0	14	
029	icp data	LCS	QC1147081	Drinking Water	338516	04/23/24 11:47	1.0	14	
030	icp data	MS	QC1147082	Drinking Water	338516	04/23/24 11:53	1.0	14	
031	icp data	MSD	QC1147083	Drinking Water	338516	04/23/24 11:58	1.0	14	
032	icp data	CCV				04/23/24 12:03	1.0	10	
033	icp data	CCB				04/23/24 12:06	1.0		
034	icp data	CCV				04/23/24 12:09	1.0	9	
035	icp data	CCB				04/23/24 12:12	1.0		
036	icp data	BLANK	QC1146791	Soil	338423	04/23/24 12:18	1.0	14	
037	icp data	LCS	QC1146792	Soil	338423	04/23/24 12:21	1.0	14	
038	icp data	SAMPLE	506633-001	Miscell.	338423	04/23/24 12:24	1.0	14	3:ZN=50
039	icp data	SAMPLE	506633-002	Miscell.	338423	04/23/24 12:27	1.0	14	3:FE=180
040	icp data	SAMPLE	506633-003	Miscell.	338423	04/23/24 12:30	1.0	14	4:FE=300
041	icp data	SAMPLE	506633-006	Miscell.	338423	04/23/24 12:34	1.0	14	2:FE=63
042	icp data	SAMPLE	506633-008	Miscell.	338423	04/23/24 12:37	1.0	14	2:FE=77
043	icp data	SAMPLE	506633-012	Miscell.	338423	04/23/24 12:40	1.0	14	3:FE=220
044	icp data	SAMPLE	506633-013	Miscell.	338423	04/23/24 12:43	1.0	14	3:ZN=65
045	icp data	SAMPLE	506633-014	Miscell.	338423	04/23/24 12:46	1.0	14	3:FE=270
046	icp data	CCV				04/23/24 12:49	1.0	9	
047	icp data	CCB				04/23/24 12:52	1.0		
048	icp data	SAMPLE	506633-015	Miscell.	338423	04/23/24 12:55	1.0	14	3:FE=60
049	icp data	SAMPLE	506633-021	Miscell.	338423	04/23/24 12:58	1.0	14	2:FE=180
050	icp data	MSS	506786-004	Soil	338423	04/23/24 13:02	1.0	14	5:ALASAL2O3=360
051	icp data	MS	QC1146793	Soil	338423	04/23/24 13:05	1.0	14	7:ALASAL2O3=440
052	icp data	MSD	QC1146794	Soil	338423	04/23/24 13:08	1.0	14	7:ALASAL2O3=440
053	icp data	PDS	QC1146795	Soil	338423	04/23/24 13:11	1.0	14	5:ALASAL2O3=360
054	icp data	SAMPLE	506786-005	Soil	338423	04/23/24 13:14	1.0	14	2:FE=200
055	icp data	SAMPLE	506786-006	Soil	338423	04/23/24 13:17	1.0	14	2:FE=210

Instrument: MET12 Begun: 04/23/24 10:15
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
056	icp data	SAMPLE	506786-011	Soil	338423	04/23/24 13:20	1.0	14	2:FE=190
057	icp data	SAMPLE	506786-013	Soil	338423	04/23/24 13:23	1.0	14	2:FE=190
058	icp data	CCV				04/23/24 13:27	1.0	9	
059	icp data	CCB				04/23/24 13:30	1.0		
060	icp data	SAMPLE	506786-014	Soil	338423	04/23/24 13:33	1.0	14	3:FE=220
061	icp data	SAMPLE	506786-015	Soil	338423	04/23/24 13:36	1.0	14	3:AL=230
062	icp data	SAMPLE	506786-016	Soil	338423	04/23/24 13:39	1.0	14	2:FE=200
063	icp data	SAMPLE	506786-017	Soil	338423	04/23/24 13:42	1.0	14	3:FE=170
064	icp data	SAMPLE	506786-018	Soil	338423	04/23/24 13:45	1.0	14	2:FE=200
065	icp data	BLANK	QC1146869	Soil	338460	04/23/24 13:48	1.0	14	
066	icp data	LCS	QC1146870	Soil	338460	04/23/24 13:52	1.0	14	
067	icp data	MSS	506597-001	Soil	338460	04/23/24 13:55	1.0	14	5:ALASAL2O3=860
068	icp data	MS	QC1146871	Soil	338460	04/23/24 13:58	1.0	14	5:ALASAL2O3=950
069	icp data	MSD	QC1146872	Soil	338460	04/23/24 14:01	1.0	14	5:ALASAL2O3=920
070	icp data	CCV				04/23/24 14:04	1.0	9	
071	icp data	CCB				04/23/24 14:07	1.0		
072	icp data	PDS	QC1146873	Soil	338460	04/23/24 14:10	1.0	14	5:ALASAL2O3=840
073	icp data	SAMPLE	506597-002	Soil	338460	04/23/24 14:13	1.0	14	2:AL=320
074	icp data	SAMPLE	506597-003	Soil	338460	04/23/24 14:17	1.0	14	2:AL=430
075	icp data	SAMPLE	506597-004	Soil	338460	04/23/24 14:20	1.0	14	2:AL=270
076	icp data	SAMPLE	506597-005	Soil	338460	04/23/24 14:23	1.0	14	2:FE=110
077	icp data	SAMPLE	506597-006	Soil	338460	04/23/24 14:26	1.0	14	2:AL=130
078	icp data	SAMPLE	506597-007	Soil	338460	04/23/24 14:29	1.0	14	2:FE=220
079	icp data	SAMPLE	506597-008	Soil	338460	04/23/24 14:32	1.0	14	2:AL=210
080	icp data	SAMPLE	506597-009	Soil	338460	04/23/24 14:35	1.0	14	2:FE=86
081	icp data	SAMPLE	506597-010	Soil	338460	04/23/24 14:38	1.0	14	2:FE=260
082	icp data	CCV				04/23/24 14:42	1.0	9	
083	icp data	CCB				04/23/24 14:45	1.0		
084	icp data	SAMPLE	506597-011	Soil	338460	04/23/24 14:48	1.0	14	2:FE=200
085	icp data	SAMPLE	506597-012	Soil	338460	04/23/24 14:51	1.0	14	2:FE=50
086	icp data	SAMPLE	506597-013	Soil	338460	04/23/24 14:54	1.0	14	2:AL=29
087	icp data	SAMPLE	506597-014	Soil	338460	04/23/24 14:57	1.0	14	2:AL=300
088	icp data	SAMPLE	506597-015	Soil	338460	04/23/24 15:00	1.0	14	2:AL=390
089	icp data	SAMPLE	506597-016	Soil	338460	04/23/24 15:03	1.0	14	2:AL=300
090	icp data	SAMPLE	506597-017	Soil	338460	04/23/24 15:07	1.0	14	2:FE=200
091	icp data	SAMPLE	506775-001	Soil	338460	04/23/24 15:10	1.0	14	2:FE=180
092	icp data	BLANK	QC1146906	Soil	338469	04/23/24 15:13	1.0	14	
093	icp data	LCS	QC1146907	Soil	338469	04/23/24 15:16	1.0	14	
094	icp data	CCV				04/23/24 15:19	1.0	9	
095	icp data	CCB				04/23/24 15:22	1.0		
096	icp data	MSS	506677-021	Soil	338469	04/23/24 15:25	1.0	14	4:FEASFE2O3=180
097	icp data	MS	QC1146908	Soil	338469	04/23/24 15:29	1.0	14	5:FEASFE2O3=190
098	icp data	MSD	QC1146909	Soil	338469	04/23/24 15:32	1.0	14	4:FEASFE2O3=200
099	icp data	PDS	QC1146910	Soil	338469	04/23/24 15:35	1.0	14	4:FEASFE2O3=180
100	icp data	SAMPLE	506677-022	Soil	338469	04/23/24 15:38	1.0	14	2:FE=150
101	icp data	SAMPLE	506677-023	Soil	338469	04/23/24 15:41	1.0	14	2:FE=140
102	icp data	SAMPLE	506677-024	Soil	338469	04/23/24 15:44	1.0	14	2:FE=86
103	icp data	SAMPLE	506833-001	Soil	338469	04/23/24 15:47	1.0	14	3:AL=200
104	icp data	SAMPLE	506855-001	Miscell.	338469	04/23/24 15:50	1.0	14	2:FE=98
105	icp data	SAMPLE	506855-002	Miscell.	338469	04/23/24 15:54	1.0	14	2:FE=84
106	icp data	CCV				04/23/24 15:57	1.0	9	
107	icp data	CCB				04/23/24 16:00	1.0		
108	icp data	SAMPLE	506855-003	Miscell.	338469	04/23/24 16:03	1.0	14	2:FE=86
109	icp data	SAMPLE	506855-016	Soil	338469	04/23/24 16:06	1.0	14	2:FE=93
110	icp data	SAMPLE	506855-017	Soil	338469	04/23/24 16:09	1.0	14	2:FE=81

Enthalpy Sequence Summary for Sequence 794164775

Instrument: MET12 Begun: 04/23/24 10:15
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
111	icp data	SAMPLE	506855-018	Soil	338469	04/23/24 16:12	1.0	14	2:FE=90
112	icp data	BLANK	QC1147052	Water	338506	04/23/24 16:15	1.0	14	
113	icp data	LCS	QC1147053	Water	338506	04/23/24 16:18	1.0	14	
114	icp data	SAMPLE	506892-001	Water	338506	04/23/24 16:22	1.0	14	
115	icp data	MSS	506898-001	Water	338506	04/23/24 16:25	1.0	14	1:CAASCACO3=330
116	icp data	MS	QC1147054	Water	338506	04/23/24 16:28	1.0	14	1:CAASCACO3=380
117	icp data	MSD	QC1147055	Water	338506	04/23/24 16:31	1.0	14	1:CAASCACO3=380
118	icp data	CCV				04/23/24 16:34	1.0	9	
119	icp data	CCB				04/23/24 16:37	1.0		
120	icp data	SAMPLE	506898-002	Water	338506	04/23/24 16:40	1.0	14	
121	icp data	SAMPLE	506898-003	Water	338506	04/23/24 16:43	1.0	14	
122	icp data	SAMPLE	506898-004	Water	338506	04/23/24 16:47	1.0	14	
123	icp data	SAMPLE	506898-005	Water	338506	04/23/24 16:50	1.0	14	
124	icp data	SAMPLE	506898-006	Water	338506	04/23/24 16:53	1.0	14	
125	icp data	BLANK	QC1147107	Wipe	338528	04/23/24 16:56	1.0	14	
126	icp data	BS	QC1147108	Wipe	338528	04/23/24 16:59	1.0	14	
127	icp data	BSD	QC1147109	Wipe	338528	04/23/24 17:02	1.0	14	
128	icp data	SAMPLE	506865-001	Wipe	338528	04/23/24 17:05	1.0	14	2:FE=120
129	icp data	SAMPLE	506865-002	Wipe	338528	04/23/24 17:08	1.0	14	1:FE=150
130	icp data	CCV				04/23/24 17:12	1.0	9	
131	icp data	CCB				04/23/24 17:15	1.0		
132	icp data	SAMPLE	506865-003	Wipe	338528	04/23/24 17:18	1.0	14	2:FE=47
133	icp data	SAMPLE	506865-004	Wipe	338528	04/23/24 17:21	1.0	14	1:FE=110
134	icp data	SAMPLE	506865-005	Wipe	338528	04/23/24 17:24	1.0	14	1:FE=80
135	icp data	SAMPLE	506865-007	Wipe	338528	04/23/24 17:27	1.0	14	2:ZN=95
136	icp data	SAMPLE	506865-008	Wipe	338528	04/23/24 17:30	1.0	14	2:FE=80
137	icp data	SAMPLE	506865-009	Wipe	338528	04/23/24 17:33	1.0	14	1:FE=50
138	icp data	SAMPLE	506865-010	Wipe	338528	04/23/24 17:36	1.0	14	2:ZN=290
139	icp data	SAMPLE	506868-003	Wipe	338528	04/23/24 17:40	1.0	14	2:ZN=77
140	icp data	SAMPLE	506868-005	Wipe	338528	04/23/24 17:43	1.0	14	1:FE=66
141	icp data	SAMPLE	506868-007	Wipe	338528	04/23/24 17:46	1.0	14	2:ZN=50
142	icp data	CCV				04/23/24 17:49	1.0	9	
143	icp data	CCB				04/23/24 17:52	1.0		
144	icp data	SAMPLE	506868-009	Wipe	338528	04/23/24 17:55	1.0	14	1:FE=74
145	icp data	SAMPLE	506868-011	Wipe	338528	04/23/24 17:58	1.0	14	1:FE=42
146	icp data	SAMPLE	506868-012	Wipe	338528	04/23/24 18:01	1.0	14	1:FE=57
147	icp data	SAMPLE	506868-014	Wipe	338528	04/23/24 18:05	1.0	14	1:FE=55
148	icp data	SAMPLE	506868-016	Wipe	338528	04/23/24 18:08	1.0	14	1:FE=45
149	icp data	SAMPLE	506868-018	Wipe	338528	04/23/24 18:11	1.0	14	1:FE=59
150	icp data	SAMPLE	506868-020	Wipe	338528	04/23/24 18:14	1.0	14	1:FE=41
151	icp data	SAMPLE	506868-022	Wipe	338528	04/23/24 18:17	1.0	14	1:FE=78
152	icp data	BLANK	QC1147086	Soil	338517	04/23/24 18:20	1.0	14	
153	icp data	LCS	QC1147087	Soil	338517	04/23/24 18:23	1.0	14	
154	icp data	CCV				04/23/24 18:26	1.0	9	
155	icp data	CCB				04/23/24 18:30	1.0		
156	icp data	MSS	506789-001	Soil	338517	04/23/24 18:33	1.0	14	5:CAASCACO3=480
157	icp data	MS	QC1147088	Soil	338517	04/23/24 18:36	1.0	14	5:CAASCACO3=560
158	icp data	MSD	QC1147089	Soil	338517	04/23/24 18:39	1.0	14	5:CAASCACO3=560
159	icp data	PDS	QC1147090	Soil	338517	04/23/24 18:42	1.0	14	5:CAASCACO3=470
160	icp data	SAMPLE	506789-002	Soil	338517	04/23/24 18:45	1.0	14	2:FE=170
161	icp data	SAMPLE	506789-003	Soil	338517	04/23/24 18:48	1.0	14	3:AL=170
162	icp data	SAMPLE	506789-004	Soil	338517	04/23/24 18:51	1.0	14	2:FE=160
163	icp data	SAMPLE	506789-005	Soil	338517	04/23/24 18:55	1.0	14	2:FE=170
164	icp data	SAMPLE	506789-006	Soil	338517	04/23/24 18:58	1.0	14	2:FE=180
165	icp data	SAMPLE	506789-007	Soil	338517	04/23/24 19:01	1.0	14	2:FE=210

Instrument: MET12 Begun: 04/23/24 10:15
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
166	icp data	CCV				04/23/24 19:04	1.0	9	
167	icp data	CCB				04/23/24 19:07	1.0		
168	icp data	SAMPLE	506789-008	Soil	338517	04/23/24 19:10	1.0	14	2:FE=120
169	icp data	SAMPLE	506789-009	Soil	338517	04/23/24 19:13	1.0	14	2:FE=150
170	icp data	SAMPLE	506789-010	Soil	338517	04/23/24 19:16	1.0	14	3:FE=160
171	icp data	SAMPLE	506810-001	Miscell.	338517	04/23/24 19:20	1.0	14	3:AL=35
172	icp data	SAMPLE	506810-002	Miscell.	338517	04/23/24 19:23	1.0	14	
173	icp data	SAMPLE	506810-003	Miscell.	338517	04/23/24 19:26	1.0	14	1:AL=100
174	icp data	SAMPLE	506810-004	Miscell.	338517	04/23/24 19:29	1.0	14	5:FE=83
175	icp data	SAMPLE	506810-005	Miscell.	338517	04/23/24 19:32	1.0	14	3:CA=960
176	icp data	SAMPLE	506810-006	Miscell.	338517	04/23/24 19:35	1.0	14	4:AL=140
177	icp data	SAMPLE	506810-008	Miscell.	338517	04/23/24 19:38	1.0	14	2:FE=23
178	icp data	CCV				04/23/24 19:41	1.0	9	
179	icp data	CCB				04/23/24 19:45	1.0		
180	icp data	SAMPLE	506889-001	Miscell.	338517	04/23/24 19:48	1.0	14	2:FE=530
181	icp data	BLANK	QC1147178	Wipe	338551	04/23/24 19:51	1.0	14	
182	icp data	BS	QC1147179	Wipe	338551	04/23/24 19:54	1.0	14	
183	icp data	BSD	QC1147180	Wipe	338551	04/23/24 19:57	1.0	14	
184	icp data	SAMPLE	506863-001	Wipe	338551	04/23/24 20:00	1.0	14	1:FE=120
185	icp data	SAMPLE	506863-002	Wipe	338551	04/23/24 20:03	1.0	14	1:FE=89
186	icp data	SAMPLE	506863-003	Wipe	338551	04/23/24 20:07	1.0	14	1:FE=82
187	icp data	SAMPLE	506863-004	Wipe	338551	04/23/24 20:10	1.0	14	1:FE=87
188	icp data	SAMPLE	506863-005	Wipe	338551	04/23/24 20:13	1.0	14	1:FE=110
189	icp data	SAMPLE	506863-006	Wipe	338551	04/23/24 20:16	1.0	14	1:FE=130
190	icp data	CCV				04/23/24 20:19	1.0	9	
191	icp data	CCB				04/23/24 20:22	1.0		
192	icp data	SAMPLE	506863-007	Wipe	338551	04/23/24 20:25	1.0	14	2:ZN=150
193	icp data	SAMPLE	506863-008	Wipe	338551	04/23/24 20:28	1.0	14	2:FE=93
194	icp data	SAMPLE	506863-009	Wipe	338551	04/23/24 20:32	1.0	14	2:FE=86
195	icp data	SAMPLE	506863-010	Wipe	338551	04/23/24 20:35	1.0	14	2:FE=90
196	icp data	SAMPLE	506863-011	Wipe	338551	04/23/24 20:38	1.0	14	1:FE=98
197	icp data	SAMPLE	506863-012	Wipe	338551	04/23/24 20:41	1.0	14	1:FE=83
198	icp data	SAMPLE	506863-013	Wipe	338551	04/23/24 20:44	1.0	14	2:FE=110
199	icp data	SAMPLE	506863-014	Wipe	338551	04/23/24 20:47	1.0	14	1:FE=95
200	icp data	SAMPLE	506863-015	Wipe	338551	04/23/24 20:50	1.0	14	
201	icp data	SAMPLE	506863-016	Wipe	338551	04/23/24 20:53	1.0	14	
202	icp data	CCV				04/23/24 20:57	1.0	9	
203	icp data	CCB				04/23/24 21:00	1.0		
204	icp data	SAMPLE	506863-017	Wipe	338551	04/23/24 21:03	1.0	14	1:FE=100
205	icp data	SAMPLE	506863-018	Wipe	338551	04/23/24 21:06	1.0	14	1:FE=140
206	icp data	BLANK	QC1147204	Wipe	338562	04/23/24 21:09	1.0	14	
207	icp data	BS	QC1147205	Wipe	338562	04/23/24 21:12	1.0	14	
208	icp data	BSD	QC1147206	Wipe	338562	04/23/24 21:15	1.0	14	
209	icp data	SAMPLE	506865-006	Wipe	338562	04/23/24 21:19	1.0	14	1:FE=96
210	icp data	SAMPLE	506865-011	Wipe	338562	04/23/24 21:22	1.0	14	1:FE=36
211	icp data	SAMPLE	506865-012	Wipe	338562	04/23/24 21:25	1.0	14	2:FE=63
212	icp data	SAMPLE	506865-013	Wipe	338562	04/23/24 21:28	1.0	14	2:ZN=67
213	icp data	SAMPLE	506865-014	Wipe	338562	04/23/24 21:31	1.0	14	2:ZN=75
214	icp data	CCV				04/23/24 21:34	1.0	9	
215	icp data	CCB				04/23/24 21:37	1.0		
216	icp data	SAMPLE	506865-015	Wipe	338562	04/23/24 21:40	1.0	14	2:ZN=82
217	icp data	SAMPLE	506865-016	Wipe	338562	04/23/24 21:44	1.0	14	1:FE=98
218	icp data	SAMPLE	506865-017	Wipe	338562	04/23/24 21:47	1.0	14	1:FE=58
219	icp data	SAMPLE	506865-018	Wipe	338562	04/23/24 21:50	1.0	14	1:FE=66
220	icp data	SAMPLE	506865-019	Wipe	338562	04/23/24 21:53	1.0	14	1:FE=68

Enthalpy Sequence Summary for Sequence 794164775

Instrument: MET12 Begun: 04/23/24 10:15
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
221	icp data	SAMPLE	506865-020	Wipe	338562	04/23/24 21:56	1.0	14	2:ZN=67
222	icp data	SAMPLE	506865-021	Wipe	338562	04/23/24 21:59	1.0	14	
223	icp data	SAMPLE	506865-022	Wipe	338562	04/23/24 22:02	1.0	14	
224	icp data	SAMPLE	506865-023	Wipe	338562	04/23/24 22:06	1.0	14	
225	icp data	SAMPLE	506865-024	Wipe	338562	04/23/24 22:09	1.0	14	
226	icp data	CCV				04/23/24 22:12	1.0	9	
227	icp data	CCB				04/23/24 22:15	1.0		
228	icp data	BLANK	QC1147230	Water	338569	04/23/24 22:18	1.0	14	
229	icp data	LCS	QC1147231	Water	338569	04/23/24 22:21	1.0	14	
230	icp data	MSS	506900-002	Sea Water	338569	04/23/24 22:24	10.0	14	1:MGASMGCO3=430
231	icp data	MS	QC1147234	Sea Water	338569	04/23/24 22:27	10.0	14	1:MGASMGCO3=440
232	icp data	MSD	QC1147235	Sea Water	338569	04/23/24 22:31	10.0	14	1:MGASMGCO3=430
233	icp data	CCV				04/23/24 22:34	1.0	9	
234	icp data	CCB				04/23/24 22:37	1.0		

SBW 04/23/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 035.

SBW 04/24/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 036 through 231.

Standards Used:
1=S19988 2=S19987 3=S19986 4=S19985 5=S19984 6=S19983 7=S20458 8=S20135 9=S20478 10=S19921 11=S20459 12=S20136 13=S20273 14=S16862

Enthalpy Internal Standard Summary for Sequence 794164775

Date: 04/23/24 Reference: icp data
Sequence: MET12 04/23/24 Analyzed: 04/23/24 10:15

#	Type	Sample ID	Y A	Y R
		ICALBLK STD	228647	38511
		LOWER LIMIT	68594	11553
		UPPER LIMIT	457293	77021
012	ICB		222052	37104
014	ICSA		203791	34836
015	ICSAB		203073	34818
016	BLANK	QC1146498	222536	36975
017	LCS	QC1146499	218956	36684
018	MSS	506699-001	218889	36440
019	MS	QC1146500	215949	35753
020	MSD	QC1146501	215781	35612
021	SAMPLE	506753-003	220612	36401
022	CCV		226373	37923
023	CCB		222612	37092
024	BLANK	QC1147080	223046	37111
026	MSS	506871-003	216353	35900
027	SAMPLE	506871-001	216467	35780
028	SAMPLE	506871-002	217281	36148
029	LCS	QC1147081	226838	37475
030	MS	QC1147082	217440	36047
031	MSD	QC1147083	219367	35948
032	CCV		230266	38070
033	CCB		223794	37015
034	CCV		216490	36099
035	CCB		224026	37176
036	BLANK	QC1146791	226631	38059
037	LCS	QC1146792	222662	37732
038	SAMPLE	506633-001	210753	35669
039	SAMPLE	506633-002	208322	35420
040	SAMPLE	506633-003	207053	34925
041	SAMPLE	506633-006	207382	35230
042	SAMPLE	506633-008	211622	35747
043	SAMPLE	506633-012	207986	35271
044	SAMPLE	506633-013	215567	36249
045	SAMPLE	506633-014	213680	36140
046	CCV		218732	36535
047	CCB		225176	37435
048	SAMPLE	506633-015	213844	35808
049	SAMPLE	506633-021	209630	35401
050	MSS	506786-004	219907	37180
051	MS	QC1146793	218642	37069
052	MSD	QC1146794	218268	37085
053	PDS	QC1146795	220719	37313
054	SAMPLE	506786-005	219688	37137
055	SAMPLE	506786-006	221682	37347
056	SAMPLE	506786-011	219210	37053
057	SAMPLE	506786-013	220417	37168
058	CCV		220025	36335
059	CCB		225408	37288
060	SAMPLE	506786-014	216954	36801
061	SAMPLE	506786-015	211720	35979
062	SAMPLE	506786-016	220126	37152
063	SAMPLE	506786-017	218661	36762
064	SAMPLE	506786-018	221958	37297
065	BLANK	QC1146869	231027	38215
066	LCS	QC1146870	226877	37565
067	MSS	506597-001	210714	35816

Enthalpy Internal Standard Summary for Sequence 794164775

Date:	04/23/24	Reference:	icp data
Sequence:	MET12 04/23/24	Analyzed:	04/23/24 10:15

#	Type	Sample ID	Y A	Y R
068	MS	QC1146871	209208	35729
069	MSD	QC1146872	208609	35674
070	CCV		218909	36225
071	CCB		227375	37402
072	PDS	QC1146873	210884	36042
073	SAMPLE	506597-002	214815	36380
074	SAMPLE	506597-003	210070	35759
075	SAMPLE	506597-004	215586	36308
076	SAMPLE	506597-005	224093	37454
077	SAMPLE	506597-006	214786	36178
078	SAMPLE	506597-007	226195	38022
079	SAMPLE	506597-008	218365	36901
080	SAMPLE	506597-009	228297	38086
081	SAMPLE	506597-010	220019	37110
082	CCV		219776	36543
083	CCB		226791	37741
084	SAMPLE	506597-011	225584	37964
085	SAMPLE	506597-012	225935	37881
086	SAMPLE	506597-013	226819	38306
087	SAMPLE	506597-014	213808	36298
088	SAMPLE	506597-015	211947	36225
089	SAMPLE	506597-016	214283	36086
090	SAMPLE	506597-017	220304	37043
091	SAMPLE	506775-001	225074	37912
092	BLANK	QC1146906	230026	38186
093	LCS	QC1146907	227805	37707
094	CCV		219416	36592
095	CCB		226296	37476
096	MSS	506677-021	223186	37585
097	MS	QC1146908	223051	37531
098	MSD	QC1146909	222760	37558
099	PDS	QC1146910	223619	37554
100	SAMPLE	506677-022	225819	37758
101	SAMPLE	506677-023	224835	37550
102	SAMPLE	506677-024	225424	37866
103	SAMPLE	506833-001	224102	37840
104	SAMPLE	506855-001	225984	37918
105	SAMPLE	506855-002	228848	38399
106	CCV		219564	36528
107	CCB		226947	37327
108	SAMPLE	506855-003	226360	37911
109	SAMPLE	506855-016	225072	37797
110	SAMPLE	506855-017	225722	37704
111	SAMPLE	506855-018	221419	37021
112	BLANK	QC1147052	225863	38247
113	LCS	QC1147053	220624	37493
114	SAMPLE	506892-001	216129	36418
115	MSS	506898-001	215447	36471
116	MS	QC1147054	215230	36357
117	MSD	QC1147055	215088	36366
118	CCV		220031	36900
119	CCB		228119	37961
120	SAMPLE	506898-002	218751	36796
121	SAMPLE	506898-003	218529	36810
122	SAMPLE	506898-004	217316	36007
123	SAMPLE	506898-005	219700	36705
124	SAMPLE	506898-006	217757	36541

Enthalpy Internal Standard Summary for Sequence 794164775

Date: 04/23/24 Reference: icp data
Sequence: MET12 04/23/24 Analyzed: 04/23/24 10:15

#	Type	Sample ID	Y A	Y R
125	BLANK	QC1147107	205296	35455
126	BS	QC1147108	206174	35270
127	BSD	QC1147109	206871	35392
128	SAMPLE	506865-001	206169	34907
129	SAMPLE	506865-002	205107	35058
130	CCV		225167	38196
131	CCB		232419	38789
132	SAMPLE	506865-003	208179	35380
133	SAMPLE	506865-004	206982	35276
134	SAMPLE	506865-005	208670	35672
135	SAMPLE	506865-007	207938	35264
136	SAMPLE	506865-008	206999	35290
137	SAMPLE	506865-009	208827	35398
138	SAMPLE	506865-010	205238	34214
139	SAMPLE	506868-003	203628	34671
140	SAMPLE	506868-005	206958	35350
141	SAMPLE	506868-007	205634	34821
142	CCV		229051	38365
143	CCB		236032	39017
144	SAMPLE	506868-009	207916	35533
145	SAMPLE	506868-011	208092	35431
146	SAMPLE	506868-012	209274	35550
147	SAMPLE	506868-014	208424	35282
148	SAMPLE	506868-016	208331	35111
149	SAMPLE	506868-018	206663	35298
150	SAMPLE	506868-020	206336	35119
151	SAMPLE	506868-022	208708	35304
152	BLANK	QC1147086	235932	39044
153	LCS	QC1147087	227774	38047
154	CCV		227285	37980
155	CCB		234943	38787
156	MSS	506789-001	223915	37874
157	MS	QC1147088	223724	37857
158	MSD	QC1147089	222463	37599
159	PDS	QC1147090	222675	37510
160	SAMPLE	506789-002	226722	38079
161	SAMPLE	506789-003	233755	39604
162	SAMPLE	506789-004	229411	38544
163	SAMPLE	506789-005	227094	38382
164	SAMPLE	506789-006	227525	38429
165	SAMPLE	506789-007	228918	38624
166	CCV		225589	37856
167	CCB		234317	38734
168	SAMPLE	506789-008	226966	38245
169	SAMPLE	506789-009	224079	37971
170	SAMPLE	506789-010	226611	38285
171	SAMPLE	506810-001	222392	37194
172	SAMPLE	506810-002	231249	38713
173	SAMPLE	506810-003	221617	37527
174	SAMPLE	506810-004	218121	36760
175	SAMPLE	506810-005	205739	35244
176	SAMPLE	506810-006	220318	37606
177	SAMPLE	506810-008	225208	37645
178	CCV		224311	37724
179	CCB		233624	38974
180	SAMPLE	506889-001	217093	36219
181	BLANK	QC1147178	211128	36019
182	BS	QC1147179	211917	36118

Enthalpy Internal Standard Summary for Sequence 794164775

Date:	04/23/24	Reference:	icp data
Sequence:	MET12 04/23/24	Analyzed:	04/23/24 10:15

#	Type	Sample ID	Y A	Y R
183	BSD	QC1147180	210912	35903
184	SAMPLE	506863-001	209045	35604
185	SAMPLE	506863-002	208417	35246
186	SAMPLE	506863-003	208100	34801
187	SAMPLE	506863-004	207418	35217
188	SAMPLE	506863-005	209251	35392
189	SAMPLE	506863-006	208301	35259
190	CCV		224268	37552
191	CCB		228259	37928
192	SAMPLE	506863-007	207875	34454
193	SAMPLE	506863-008	208750	35753
194	SAMPLE	506863-009	209374	35705
195	SAMPLE	506863-010	209453	35292
196	SAMPLE	506863-011	210351	35397
197	SAMPLE	506863-012	209145	35296
198	SAMPLE	506863-013	209303	35312
199	SAMPLE	506863-014	209945	35548
200	SAMPLE	506863-015	207177	34867
201	SAMPLE	506863-016	210370	35831
202	CCV		224318	37521
203	CCB		228070	37946
204	SAMPLE	506863-017	211004	35730
205	SAMPLE	506863-018	208047	35241
206	BLANK	QC1147204	216656	37036
207	BS	QC1147205	217091	36831
208	BSD	QC1147206	214156	36972
209	SAMPLE	506865-006	212387	36084
210	SAMPLE	506865-011	215370	36332
211	SAMPLE	506865-012	213146	36287
212	SAMPLE	506865-013	213419	36129
213	SAMPLE	506865-014	212237	36284
214	CCV		224176	37467
215	CCB		231748	38594
216	SAMPLE	506865-015	212634	36159
217	SAMPLE	506865-016	214323	36552
218	SAMPLE	506865-017	215588	36905
219	SAMPLE	506865-018	212782	36513
220	SAMPLE	506865-019	216755	36730
221	SAMPLE	506865-020	217947	37004
222	SAMPLE	506865-021	218443	36887
223	SAMPLE	506865-022	221090	37571
224	SAMPLE	506865-023	219853	37205
225	SAMPLE	506865-024	219940	37278
226	CCV		222910	37133
227	CCB		230376	38219
228	BLANK	QC1147230	230112	38717
229	LCS	QC1147231	225252	37140
230	MSS	506900-002	212132	36006
231	MS	QC1147234	212649	35609
232	MSD	QC1147235	214320	36172
233	CCV		221559	37200
234	CCB		228252	38292

ENTHALPY INITIAL CALIBRATION FOR 506868 METALS Wipe: EPA 6010B

Instrument:	MET12		
Calibration #:	794164775001	Date:	23-APR-2024 10:15
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	794164775002	L1	23-APR-2024 10:18	S19988
L2	icp data	794164775003	L2	23-APR-2024 10:21	S19987
L3	icp data	794164775004	L3	23-APR-2024 10:24	S19986
L4	icp data	794164775005	L4	23-APR-2024 10:28	S19985
L5	icp data	794164775006	L5	23-APR-2024 10:31	S19984
L6	icp data	794164775007	L6	23-APR-2024 10:34	S19983

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	-0.0019	7.52E-5		16369	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	23436	18339	15341	14240	13641	13215

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	21	0.0100	19	0.1000	13	1.0000	7	5.0000	2	10.000	-1

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 506868 METALS Wipe
EPA 6010B

Inst:	MET12		
Calnum:	794164775001	Cal Date:	23-APR-2024

- ICV 794164775010 (23-APR-2024) stds: S20478

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.018	mg/L	2	10	

ENTHALPY INSTRUMENT BLANK FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775012	File:	icp data	Time:	23-APR-2024 10:52
Cal:	794164775002	Caldate:	23-APR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	222052	-2.88
Yttrium	R	38511	37104	-3.65

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775014	File:	icp data	Time:	23-APR-2024 10:58
Cal:	794164775002	Caldate:	23-APR-2024		

Standards: S20136

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.01439	0.003333	mg/L	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	351.4	mg/L	88	
Aluminum as Al2O3	A	755.8	664.0	mg/L	88	
Iron	A	160.0	125.3	mg/L	78	
Iron as Fe2O3	A	228.8	179.1	mg/L	78	
Calcium	R	400.0	374.8	mg/L	94	
Calcium as CaCO3	R	998.9	935.9	mg/L	94	
Magnesium	R	400.0	389.7	mg/L	97	
Magnesium as MgCO3	R	1388	1352	mg/L	97	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	203791	-10.87
Yttrium	R	38511	34836	-9.54

+=high bias a=ICSA

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775015	File:	icp data	Time:	23-APR-2024 11:01
Cal:	794164775002	Caldate:	23-APR-2024		

Standards: S20273

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.003	mg/L	0	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	203073	-11.18
Yttrium	R	38511	34818	-9.59

ENTHALPY CONTINUING CALIBRATION FOR 506868 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775118	File:	icp data	Time:	23-APR-2024 16:34
Cal:	794164775001	Caldate:	23-APR-2024		

Standards: S20478

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	16369	14077	1.000	1.017	mg/L	2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	220031	-3.77
Yttrium	R	38511	36900	-4.18

ENTHALPY INSTRUMENT BLANK FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775119	File:	icp data	Time:	23-APR-2024 16:37
Cal:	794164775001	Caldate:	23-APR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	228119	-0.23
Yttrium	R	38511	37961	-1.43

ENTHALPY CONTINUING CALIBRATION FOR 506868 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775130	File:	icp data	Time:	23-APR-2024 17:12
Cal:	794164775001	Caldate:	23-APR-2024		

Standards: S20478

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	16369	13904	1.000	1.004	mg/L	0	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	225167	-1.52
Yttrium	R	38511	38196	-0.82

ENTHALPY INSTRUMENT BLANK FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775131	File:	icp data	Time:	23-APR-2024 17:15
Cal:	794164775001	Caldate:	23-APR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	232419	1.65
Yttrium	R	38511	38789	0.72

ENTHALPY CONTINUING CALIBRATION FOR 506868 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775142	File:	icp data	Time:	23-APR-2024 17:49
Cal:	794164775001	Caldate:	23-APR-2024		

Standards: S20478

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	16369	13831	1.000	0.9988	mg/L	0	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	229051	0.18
Yttrium	R	38511	38365	-0.38

ENTHALPY INSTRUMENT BLANK FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775143	File:	icp data	Time:	23-APR-2024 17:52
Cal:	794164775001	Caldate:	23-APR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	236032	3.23
Yttrium	R	38511	39017	1.31

ENTHALPY CONTINUING CALIBRATION FOR 506868 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775154	File:	icp data	Time:	23-APR-2024 18:26
Cal:	794164775001	Caldate:	23-APR-2024		

Standards: S20478

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	16369	13860	1.000	1.001	mg/L	0	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	227285	-0.60
Yttrium	R	38511	37980	-1.38

ENTHALPY INSTRUMENT BLANK FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775155	File:	icp data	Time:	23-APR-2024 18:30
Cal:	794164775001	Caldate:	23-APR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	234943	2.75
Yttrium	R	38511	38787	0.72

SAMPLE PREPARATION SUMMARY

Batch #:	338528	Prep Date:	23-APR-2024 13:57	Started By:	KCD
Analysis:	ICP	Method:	3050B	Finished By:	KCD

Sample	Matrix	Initial	Final	Prep DF	pH	Spike S20345	Spike S20344	Analysis
QC1147107 BLANK	Wipe	1 ft2	50 mL	50.0				ICP
QC1147108 BS	Wipe	1 ft2	50 mL	50.0		1 mL	1 mL	ICP
QC1147109 BSD	Wipe	1 ft2	50 mL	50.0		1 mL	1 mL	ICP
506865-001	Wipe	1 ft2	50 mL	50.0				6010
506865-002	Wipe	1.02 ft2	50 mL	49.02				6010
506865-003	Wipe	1 ft2	50 mL	50.0				6010
506865-004	Wipe	1 ft2	50 mL	50.0				6010
506865-005	Wipe	1 ft2	50 mL	50.0				6010
506865-007	Wipe	1 ft2	50 mL	50.0				6010
506865-008	Wipe	1 ft2	50 mL	50.0				6010
506865-009	Wipe	1 ft2	50 mL	50.0				6010
506865-010	Wipe	1 ft2	50 mL	50.0				6010
506868-003	Wipe	1 ft2	50 mL	50.0				6010
506868-005	Wipe	1 ft2	50 mL	50.0				6010
506868-007	Wipe	1 ft2	50 mL	50.0				6010
506868-009	Wipe	1 ft2	50 mL	50.0				6010
506868-011	Wipe	1 ft2	50 mL	50.0				6010
506868-012	Wipe	1 ft2	50 mL	50.0				6010
506868-014	Wipe	1 ft2	50 mL	50.0				6010
506868-016	Wipe	1 ft2	50 mL	50.0				6010
506868-018	Wipe	1.0276 ft2	50 mL	48.66				6010
506868-020	Wipe	1 ft2	50 mL	50.0				6010
506868-022	Wipe	1 ft2	50 mL	50.0				6010

Analyst: SBW 04/24/24

Reviewer: KLN 04/24/24

ICP and ICP-MS Prep Log for Soil/Misc.

Initials: KD/MLL Prep Method: 3050B / 3051 / Other: _____ QC Batch #: 338528 Therm ID/Corr Factor: 763746/-0.5

Prep Start, Date/Time: 4-23-24 13:57 Prep End, Date/Time: 4/23/24 15:53 HotBlock Temp (Obs/Cor), °C: 92/91.5

HotBlock ID: HB 15

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Weight (g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	1 ft²	—	50	MLD015000179	
LCS	-----	-----	-----					
LCSD	—	—	—					
506865-1	A		wipes					
-2								
-3								
-4								
-5								
-7								
-8								
-9								
-10								
506868-3								
-5								
-7								
-9								
-11								
-12								
-14								
-16								
-18				1.0276 ft²				
-20				1.0 ft²				
-22								
							KD 4-23-24	

Hydrochloric Acid ID: 10 mL 24006807

Nitric Acid ID: 10 mL 202311 0624

H_2O_2 ID: 3 mL 303303

LCS Spike ID: ~~1.0~~ 0.5 mL 520345, 520744

MS/MSD Spike ID: ↓ ↓ ↓

Gold Std ID: _____

ICP and ICP-MS Prep Log for Soil/Misc.

Initials: KD/MLL Prep Method: (3050B) / 3051 / Other: _____ QC Batch #: 338528 Therm ID/Corr Factor: 163746/-0.5

Prep Start, Date/Time: 4-23-24 13:57 Prep End, Date/Time: 4/23/24 15:53 HotBlock Temp (Obs/Cor), °C: 92/91.5

HotBlock ID: HB 15

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Weight (g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	1 ft²	—	50	MLOD15000129	
LCS	-----	-----	-----					
LCSD	—	—	—					
506865-1	A		Wipes					
-2								
-3								
-4								1.02 SB 4/24/24
-5								
-7								
-8								
-9								
-10								
506868-3								
-5								
-7								
-9								
-11								
-12								
-14								
-16								
-18								
-20				1.0276 ft²				
-22				1.0 ft²			KD 4-23-24	

Hydrochloric Acid ID: 10mL 24006807

Nitric Acid ID: 10mL 207311 0624

H_2O_2 ID: 3mL 303303

LCS Spike ID: ~~1.0~~ 0.5mL S20345, S20744

MS/MSD Spike ID:

Gold Std ID:

ICP and ICP-MS Prep Log for Soil/Misc.

Initials: KD/MLL Prep Method: 3050B / 3051 / Other: _____ QC Batch #: 338528 Therm ID/Corr Factor: 763746/-0.5

Prep Start, Date/Time: 4-23-24 13:57 Prep End, Date/Time: 4/23/24 15:53 HotBlock Temp (Obs/Cor), °C: 92/91.5

HotBlock ID: HB 15

Sample ID	Bottle #	Sample pH (Water Only)	Sample Appearance	Initial Weight (g)	Bal. ID	Final Vol (mL)	Digestion Tube Lot#	Comment
Blank	-----	-----	-----	1 Ft²	—	50	HLD0150000179	
LCS	-----	-----	-----					
LCSD	—	—	—					
506865-1	A		wipes					
-2								
-3				—				1.02 SB 4/24/24
-4				1				
-5								
-7								
-8								
-9								
-10								
506868-3								
-5								
-7								
-9								
-11								
-12								
-14								
-16								
-18								
-20				1.0276 Ft²				
-22				1.0 Ft²				

Hydrochloric Acid ID: 10mL 24006807

Nitric Acid ID: 10mL 202311 0624

H_2O_2 ID: 3mL 303303

KD 4-23-24 Spiked 1.0 mL SB 4/24/24

LCS Spike ID: ~~1.0~~ 0.5mL S20345, S20744

MS/MSD Spike ID: ↓ ↓ ↓

Gold Std ID: ↓

ICP Raw Data

Enthalpy Sequence Summary for Sequence 794164775

Instrument: MET12 Begun: 04/23/24 10:15
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
001	icp data	ICALBLK				04/23/24 10:15	1.0		
002	icp data	ICAL	L1			04/23/24 10:18	1.0	1	
003	icp data	ICAL	L2			04/23/24 10:21	1.0	2	
004	icp data	ICAL	L3			04/23/24 10:24	1.0	3	
005	icp data	ICAL	L4			04/23/24 10:28	1.0	4	
006	icp data	ICAL	L5			04/23/24 10:31	1.0	5	
007	icp data	ICAL	L6			04/23/24 10:34	1.0	6	
008	icp data	ICAL	L7			04/23/24 10:37	1.0	7	
009	icp data	ICAL	L8			04/23/24 10:40	1.0	8	
010	icp data	ICV				04/23/24 10:43	1.0	9	
011	icp data	ICV				04/23/24 10:49	1.0	10	
012	icp data	ICB				04/23/24 10:52	1.0		
013	icp data	CRI				04/23/24 10:55	1.0	11	
014	icp data	ICSA				04/23/24 10:58	1.0	12	6:MGASMGCO3=1400
015	icp data	ICSAB				04/23/24 11:01	1.0	13	6:MGASMGCO3=1400
016	icp data	BLANK	QC1146498	Drinking Water	338345	04/23/24 11:04	1.0	14	
017	icp data	LCS	QC1146499	Drinking Water	338345	04/23/24 11:07	1.0	14	
018	icp data	MSS	506699-001	Drinking Water	338345	04/23/24 11:11	1.0	14	
019	icp data	MS	QC1146500	Drinking Water	338345	04/23/24 11:14	1.0	14	
020	icp data	MSD	QC1146501	Drinking Water	338345	04/23/24 11:17	1.0	14	
021	icp data	SAMPLE	506753-003	Drinking Water	338345	04/23/24 11:20	1.0	14	
022	icp data	CCV				04/23/24 11:23	1.0	10	
023	icp data	CCB				04/23/24 11:26	1.0		
024	icp data	BLANK	QC1147080	Drinking Water	338516	04/23/24 11:29	1.0	14	
025	icp data	XLCS	QC1146946	Drinking Water	338516	04/23/24 11:32	1.0	14	
026	icp data	MSS	506871-003	Drinking Water	338516	04/23/24 11:36	1.0	14	
027	icp data	SAMPLE	506871-001	Drinking Water	338516	04/23/24 11:41	1.0	14	
028	icp data	SAMPLE	506871-002	Drinking Water	338516	04/23/24 11:44	1.0	14	
029	icp data	LCS	QC1147081	Drinking Water	338516	04/23/24 11:47	1.0	14	
030	icp data	MS	QC1147082	Drinking Water	338516	04/23/24 11:53	1.0	14	
031	icp data	MSD	QC1147083	Drinking Water	338516	04/23/24 11:58	1.0	14	
032	icp data	CCV				04/23/24 12:03	1.0	10	
033	icp data	CCB				04/23/24 12:06	1.0		
034	icp data	CCV				04/23/24 12:09	1.0	9	
035	icp data	CCB				04/23/24 12:12	1.0		
036	icp data	BLANK	QC1146791	Soil	338423	04/23/24 12:18	1.0	14	
037	icp data	LCS	QC1146792	Soil	338423	04/23/24 12:21	1.0	14	
038	icp data	SAMPLE	506633-001	Miscell.	338423	04/23/24 12:24	1.0	14	3:ZN=50
039	icp data	SAMPLE	506633-002	Miscell.	338423	04/23/24 12:27	1.0	14	3:FE=180
040	icp data	SAMPLE	506633-003	Miscell.	338423	04/23/24 12:30	1.0	14	4:FE=300
041	icp data	SAMPLE	506633-006	Miscell.	338423	04/23/24 12:34	1.0	14	2:FE=63
042	icp data	SAMPLE	506633-008	Miscell.	338423	04/23/24 12:37	1.0	14	2:FE=77
043	icp data	SAMPLE	506633-012	Miscell.	338423	04/23/24 12:40	1.0	14	3:FE=220
044	icp data	SAMPLE	506633-013	Miscell.	338423	04/23/24 12:43	1.0	14	3:ZN=65
045	icp data	SAMPLE	506633-014	Miscell.	338423	04/23/24 12:46	1.0	14	3:FE=270
046	icp data	CCV				04/23/24 12:49	1.0	9	
047	icp data	CCB				04/23/24 12:52	1.0		
048	icp data	SAMPLE	506633-015	Miscell.	338423	04/23/24 12:55	1.0	14	3:FE=60
049	icp data	SAMPLE	506633-021	Miscell.	338423	04/23/24 12:58	1.0	14	2:FE=180
050	icp data	MSS	506786-004	Soil	338423	04/23/24 13:02	1.0	14	5:ALASAL2O3=360
051	icp data	MS	QC1146793	Soil	338423	04/23/24 13:05	1.0	14	7:ALASAL2O3=440
052	icp data	MSD	QC1146794	Soil	338423	04/23/24 13:08	1.0	14	7:ALASAL2O3=440
053	icp data	PDS	QC1146795	Soil	338423	04/23/24 13:11	1.0	14	5:ALASAL2O3=360
054	icp data	SAMPLE	506786-005	Soil	338423	04/23/24 13:14	1.0	14	2:FE=200
055	icp data	SAMPLE	506786-006	Soil	338423	04/23/24 13:17	1.0	14	2:FE=210

Instrument: MET12 Begun: 04/23/24 10:15
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
056	icp data	SAMPLE	506786-011	Soil	338423	04/23/24 13:20	1.0	14	2:FE=190
057	icp data	SAMPLE	506786-013	Soil	338423	04/23/24 13:23	1.0	14	2:FE=190
058	icp data	CCV				04/23/24 13:27	1.0	9	
059	icp data	CCB				04/23/24 13:30	1.0		
060	icp data	SAMPLE	506786-014	Soil	338423	04/23/24 13:33	1.0	14	3:FE=220
061	icp data	SAMPLE	506786-015	Soil	338423	04/23/24 13:36	1.0	14	3:AL=230
062	icp data	SAMPLE	506786-016	Soil	338423	04/23/24 13:39	1.0	14	2:FE=200
063	icp data	SAMPLE	506786-017	Soil	338423	04/23/24 13:42	1.0	14	3:FE=170
064	icp data	SAMPLE	506786-018	Soil	338423	04/23/24 13:45	1.0	14	2:FE=200
065	icp data	BLANK	QC1146869	Soil	338460	04/23/24 13:48	1.0	14	
066	icp data	LCS	QC1146870	Soil	338460	04/23/24 13:52	1.0	14	
067	icp data	MSS	506597-001	Soil	338460	04/23/24 13:55	1.0	14	5:ALASAL2O3=860
068	icp data	MS	QC1146871	Soil	338460	04/23/24 13:58	1.0	14	5:ALASAL2O3=950
069	icp data	MSD	QC1146872	Soil	338460	04/23/24 14:01	1.0	14	5:ALASAL2O3=920
070	icp data	CCV				04/23/24 14:04	1.0	9	
071	icp data	CCB				04/23/24 14:07	1.0		
072	icp data	PDS	QC1146873	Soil	338460	04/23/24 14:10	1.0	14	5:ALASAL2O3=840
073	icp data	SAMPLE	506597-002	Soil	338460	04/23/24 14:13	1.0	14	2:AL=320
074	icp data	SAMPLE	506597-003	Soil	338460	04/23/24 14:17	1.0	14	2:AL=430
075	icp data	SAMPLE	506597-004	Soil	338460	04/23/24 14:20	1.0	14	2:AL=270
076	icp data	SAMPLE	506597-005	Soil	338460	04/23/24 14:23	1.0	14	2:FE=110
077	icp data	SAMPLE	506597-006	Soil	338460	04/23/24 14:26	1.0	14	2:AL=130
078	icp data	SAMPLE	506597-007	Soil	338460	04/23/24 14:29	1.0	14	2:FE=220
079	icp data	SAMPLE	506597-008	Soil	338460	04/23/24 14:32	1.0	14	2:AL=210
080	icp data	SAMPLE	506597-009	Soil	338460	04/23/24 14:35	1.0	14	2:FE=86
081	icp data	SAMPLE	506597-010	Soil	338460	04/23/24 14:38	1.0	14	2:FE=260
082	icp data	CCV				04/23/24 14:42	1.0	9	
083	icp data	CCB				04/23/24 14:45	1.0		
084	icp data	SAMPLE	506597-011	Soil	338460	04/23/24 14:48	1.0	14	2:FE=200
085	icp data	SAMPLE	506597-012	Soil	338460	04/23/24 14:51	1.0	14	2:FE=50
086	icp data	SAMPLE	506597-013	Soil	338460	04/23/24 14:54	1.0	14	2:AL=29
087	icp data	SAMPLE	506597-014	Soil	338460	04/23/24 14:57	1.0	14	2:AL=300
088	icp data	SAMPLE	506597-015	Soil	338460	04/23/24 15:00	1.0	14	2:AL=390
089	icp data	SAMPLE	506597-016	Soil	338460	04/23/24 15:03	1.0	14	2:AL=300
090	icp data	SAMPLE	506597-017	Soil	338460	04/23/24 15:07	1.0	14	2:FE=200
091	icp data	SAMPLE	506775-001	Soil	338460	04/23/24 15:10	1.0	14	2:FE=180
092	icp data	BLANK	QC1146906	Soil	338469	04/23/24 15:13	1.0	14	
093	icp data	LCS	QC1146907	Soil	338469	04/23/24 15:16	1.0	14	
094	icp data	CCV				04/23/24 15:19	1.0	9	
095	icp data	CCB				04/23/24 15:22	1.0		
096	icp data	MSS	506677-021	Soil	338469	04/23/24 15:25	1.0	14	4:FEASFE2O3=180
097	icp data	MS	QC1146908	Soil	338469	04/23/24 15:29	1.0	14	5:FEASFE2O3=190
098	icp data	MSD	QC1146909	Soil	338469	04/23/24 15:32	1.0	14	4:FEASFE2O3=200
099	icp data	PDS	QC1146910	Soil	338469	04/23/24 15:35	1.0	14	4:FEASFE2O3=180
100	icp data	SAMPLE	506677-022	Soil	338469	04/23/24 15:38	1.0	14	2:FE=150
101	icp data	SAMPLE	506677-023	Soil	338469	04/23/24 15:41	1.0	14	2:FE=140
102	icp data	SAMPLE	506677-024	Soil	338469	04/23/24 15:44	1.0	14	2:FE=86
103	icp data	SAMPLE	506833-001	Soil	338469	04/23/24 15:47	1.0	14	3:AL=200
104	icp data	SAMPLE	506855-001	Miscell.	338469	04/23/24 15:50	1.0	14	2:FE=98
105	icp data	SAMPLE	506855-002	Miscell.	338469	04/23/24 15:54	1.0	14	2:FE=84
106	icp data	CCV				04/23/24 15:57	1.0	9	
107	icp data	CCB				04/23/24 16:00	1.0		
108	icp data	SAMPLE	506855-003	Miscell.	338469	04/23/24 16:03	1.0	14	2:FE=86
109	icp data	SAMPLE	506855-016	Soil	338469	04/23/24 16:06	1.0	14	2:FE=93
110	icp data	SAMPLE	506855-017	Soil	338469	04/23/24 16:09	1.0	14	2:FE=81

Instrument: MET12 Begun: 04/23/24 10:15
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
111	icp data	SAMPLE	506855-018	Soil	338469	04/23/24 16:12	1.0	14	2:FE=90
112	icp data	BLANK	QC1147052	Water	338506	04/23/24 16:15	1.0	14	
113	icp data	LCS	QC1147053	Water	338506	04/23/24 16:18	1.0	14	
114	icp data	SAMPLE	506892-001	Water	338506	04/23/24 16:22	1.0	14	
115	icp data	MSS	506898-001	Water	338506	04/23/24 16:25	1.0	14	1:CAASCACO3=330
116	icp data	MS	QC1147054	Water	338506	04/23/24 16:28	1.0	14	1:CAASCACO3=380
117	icp data	MSD	QC1147055	Water	338506	04/23/24 16:31	1.0	14	1:CAASCACO3=380
118	icp data	CCV				04/23/24 16:34	1.0	9	
119	icp data	CCB				04/23/24 16:37	1.0		
120	icp data	SAMPLE	506898-002	Water	338506	04/23/24 16:40	1.0	14	
121	icp data	SAMPLE	506898-003	Water	338506	04/23/24 16:43	1.0	14	
122	icp data	SAMPLE	506898-004	Water	338506	04/23/24 16:47	1.0	14	
123	icp data	SAMPLE	506898-005	Water	338506	04/23/24 16:50	1.0	14	
124	icp data	SAMPLE	506898-006	Water	338506	04/23/24 16:53	1.0	14	
125	icp data	BLANK	QC1147107	Wipe	338528	04/23/24 16:56	1.0	14	
126	icp data	BS	QC1147108	Wipe	338528	04/23/24 16:59	1.0	14	
127	icp data	BSD	QC1147109	Wipe	338528	04/23/24 17:02	1.0	14	
128	icp data	SAMPLE	506865-001	Wipe	338528	04/23/24 17:05	1.0	14	2:FE=120
129	icp data	SAMPLE	506865-002	Wipe	338528	04/23/24 17:08	1.0	14	1:FE=150
130	icp data	CCV				04/23/24 17:12	1.0	9	
131	icp data	CCB				04/23/24 17:15	1.0		
132	icp data	SAMPLE	506865-003	Wipe	338528	04/23/24 17:18	1.0	14	2:FE=47
133	icp data	SAMPLE	506865-004	Wipe	338528	04/23/24 17:21	1.0	14	1:FE=110
134	icp data	SAMPLE	506865-005	Wipe	338528	04/23/24 17:24	1.0	14	1:FE=80
135	icp data	SAMPLE	506865-007	Wipe	338528	04/23/24 17:27	1.0	14	2:ZN=95
136	icp data	SAMPLE	506865-008	Wipe	338528	04/23/24 17:30	1.0	14	2:FE=80
137	icp data	SAMPLE	506865-009	Wipe	338528	04/23/24 17:33	1.0	14	1:FE=50
138	icp data	SAMPLE	506865-010	Wipe	338528	04/23/24 17:36	1.0	14	2:ZN=290
139	icp data	SAMPLE	506868-003	Wipe	338528	04/23/24 17:40	1.0	14	2:ZN=77
140	icp data	SAMPLE	506868-005	Wipe	338528	04/23/24 17:43	1.0	14	1:FE=66
141	icp data	SAMPLE	506868-007	Wipe	338528	04/23/24 17:46	1.0	14	2:ZN=50
142	icp data	CCV				04/23/24 17:49	1.0	9	
143	icp data	CCB				04/23/24 17:52	1.0		
144	icp data	SAMPLE	506868-009	Wipe	338528	04/23/24 17:55	1.0	14	1:FE=74
145	icp data	SAMPLE	506868-011	Wipe	338528	04/23/24 17:58	1.0	14	1:FE=42
146	icp data	SAMPLE	506868-012	Wipe	338528	04/23/24 18:01	1.0	14	1:FE=57
147	icp data	SAMPLE	506868-014	Wipe	338528	04/23/24 18:05	1.0	14	1:FE=55
148	icp data	SAMPLE	506868-016	Wipe	338528	04/23/24 18:08	1.0	14	1:FE=45
149	icp data	SAMPLE	506868-018	Wipe	338528	04/23/24 18:11	1.0	14	1:FE=59
150	icp data	SAMPLE	506868-020	Wipe	338528	04/23/24 18:14	1.0	14	1:FE=41
151	icp data	SAMPLE	506868-022	Wipe	338528	04/23/24 18:17	1.0	14	1:FE=78
152	icp data	BLANK	QC1147086	Soil	338517	04/23/24 18:20	1.0	14	
153	icp data	LCS	QC1147087	Soil	338517	04/23/24 18:23	1.0	14	
154	icp data	CCV				04/23/24 18:26	1.0	9	
155	icp data	CCB				04/23/24 18:30	1.0		
156	icp data	MSS	506789-001	Soil	338517	04/23/24 18:33	1.0	14	5:CAASCACO3=480
157	icp data	MS	QC1147088	Soil	338517	04/23/24 18:36	1.0	14	5:CAASCACO3=560
158	icp data	MSD	QC1147089	Soil	338517	04/23/24 18:39	1.0	14	5:CAASCACO3=560
159	icp data	PDS	QC1147090	Soil	338517	04/23/24 18:42	1.0	14	5:CAASCACO3=470
160	icp data	SAMPLE	506789-002	Soil	338517	04/23/24 18:45	1.0	14	2:FE=170
161	icp data	SAMPLE	506789-003	Soil	338517	04/23/24 18:48	1.0	14	3:AL=170
162	icp data	SAMPLE	506789-004	Soil	338517	04/23/24 18:51	1.0	14	2:FE=160
163	icp data	SAMPLE	506789-005	Soil	338517	04/23/24 18:55	1.0	14	2:FE=170
164	icp data	SAMPLE	506789-006	Soil	338517	04/23/24 18:58	1.0	14	2:FE=180
165	icp data	SAMPLE	506789-007	Soil	338517	04/23/24 19:01	1.0	14	2:FE=210

Instrument: MET12 Begun: 04/23/24 10:15
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
166	icp data	CCV				04/23/24 19:04	1.0	9	
167	icp data	CCB				04/23/24 19:07	1.0		
168	icp data	SAMPLE	506789-008	Soil	338517	04/23/24 19:10	1.0	14	2:FE=120
169	icp data	SAMPLE	506789-009	Soil	338517	04/23/24 19:13	1.0	14	2:FE=150
170	icp data	SAMPLE	506789-010	Soil	338517	04/23/24 19:16	1.0	14	3:FE=160
171	icp data	SAMPLE	506810-001	Miscell.	338517	04/23/24 19:20	1.0	14	3:AL=35
172	icp data	SAMPLE	506810-002	Miscell.	338517	04/23/24 19:23	1.0	14	
173	icp data	SAMPLE	506810-003	Miscell.	338517	04/23/24 19:26	1.0	14	1:AL=100
174	icp data	SAMPLE	506810-004	Miscell.	338517	04/23/24 19:29	1.0	14	5:FE=83
175	icp data	SAMPLE	506810-005	Miscell.	338517	04/23/24 19:32	1.0	14	3:CA=960
176	icp data	SAMPLE	506810-006	Miscell.	338517	04/23/24 19:35	1.0	14	4:AL=140
177	icp data	SAMPLE	506810-008	Miscell.	338517	04/23/24 19:38	1.0	14	2:FE=23
178	icp data	CCV				04/23/24 19:41	1.0	9	
179	icp data	CCB				04/23/24 19:45	1.0		
180	icp data	SAMPLE	506889-001	Miscell.	338517	04/23/24 19:48	1.0	14	2:FE=530
181	icp data	BLANK	QC1147178	Wipe	338551	04/23/24 19:51	1.0	14	
182	icp data	BS	QC1147179	Wipe	338551	04/23/24 19:54	1.0	14	
183	icp data	BSD	QC1147180	Wipe	338551	04/23/24 19:57	1.0	14	
184	icp data	SAMPLE	506863-001	Wipe	338551	04/23/24 20:00	1.0	14	1:FE=120
185	icp data	SAMPLE	506863-002	Wipe	338551	04/23/24 20:03	1.0	14	1:FE=89
186	icp data	SAMPLE	506863-003	Wipe	338551	04/23/24 20:07	1.0	14	1:FE=82
187	icp data	SAMPLE	506863-004	Wipe	338551	04/23/24 20:10	1.0	14	1:FE=87
188	icp data	SAMPLE	506863-005	Wipe	338551	04/23/24 20:13	1.0	14	1:FE=110
189	icp data	SAMPLE	506863-006	Wipe	338551	04/23/24 20:16	1.0	14	1:FE=130
190	icp data	CCV				04/23/24 20:19	1.0	9	
191	icp data	CCB				04/23/24 20:22	1.0		
192	icp data	SAMPLE	506863-007	Wipe	338551	04/23/24 20:25	1.0	14	2:ZN=150
193	icp data	SAMPLE	506863-008	Wipe	338551	04/23/24 20:28	1.0	14	2:FE=93
194	icp data	SAMPLE	506863-009	Wipe	338551	04/23/24 20:32	1.0	14	2:FE=86
195	icp data	SAMPLE	506863-010	Wipe	338551	04/23/24 20:35	1.0	14	2:FE=90
196	icp data	SAMPLE	506863-011	Wipe	338551	04/23/24 20:38	1.0	14	1:FE=98
197	icp data	SAMPLE	506863-012	Wipe	338551	04/23/24 20:41	1.0	14	1:FE=83
198	icp data	SAMPLE	506863-013	Wipe	338551	04/23/24 20:44	1.0	14	2:FE=110
199	icp data	SAMPLE	506863-014	Wipe	338551	04/23/24 20:47	1.0	14	1:FE=95
200	icp data	SAMPLE	506863-015	Wipe	338551	04/23/24 20:50	1.0	14	
201	icp data	SAMPLE	506863-016	Wipe	338551	04/23/24 20:53	1.0	14	
202	icp data	CCV				04/23/24 20:57	1.0	9	
203	icp data	CCB				04/23/24 21:00	1.0		
204	icp data	SAMPLE	506863-017	Wipe	338551	04/23/24 21:03	1.0	14	1:FE=100
205	icp data	SAMPLE	506863-018	Wipe	338551	04/23/24 21:06	1.0	14	1:FE=140
206	icp data	BLANK	QC1147204	Wipe	338562	04/23/24 21:09	1.0	14	
207	icp data	BS	QC1147205	Wipe	338562	04/23/24 21:12	1.0	14	
208	icp data	BSD	QC1147206	Wipe	338562	04/23/24 21:15	1.0	14	
209	icp data	SAMPLE	506865-006	Wipe	338562	04/23/24 21:19	1.0	14	1:FE=96
210	icp data	SAMPLE	506865-011	Wipe	338562	04/23/24 21:22	1.0	14	1:FE=36
211	icp data	SAMPLE	506865-012	Wipe	338562	04/23/24 21:25	1.0	14	2:FE=63
212	icp data	SAMPLE	506865-013	Wipe	338562	04/23/24 21:28	1.0	14	2:ZN=67
213	icp data	SAMPLE	506865-014	Wipe	338562	04/23/24 21:31	1.0	14	2:ZN=75
214	icp data	CCV				04/23/24 21:34	1.0	9	
215	icp data	CCB				04/23/24 21:37	1.0		
216	icp data	SAMPLE	506865-015	Wipe	338562	04/23/24 21:40	1.0	14	2:ZN=82
217	icp data	SAMPLE	506865-016	Wipe	338562	04/23/24 21:44	1.0	14	1:FE=98
218	icp data	SAMPLE	506865-017	Wipe	338562	04/23/24 21:47	1.0	14	1:FE=58
219	icp data	SAMPLE	506865-018	Wipe	338562	04/23/24 21:50	1.0	14	1:FE=66
220	icp data	SAMPLE	506865-019	Wipe	338562	04/23/24 21:53	1.0	14	1:FE=68

Enthalpy Sequence Summary for Sequence 794164775

Instrument: MET12 Begun: 04/23/24 10:15
Method: EPA 6010B

#	File	Type	Sample ID	Matrix	Batch	Analyzed	IDF	Stds Used	
221	icp data	SAMPLE	506865-020	Wipe	338562	04/23/24 21:56	1.0	14	2:ZN=67
222	icp data	SAMPLE	506865-021	Wipe	338562	04/23/24 21:59	1.0	14	
223	icp data	SAMPLE	506865-022	Wipe	338562	04/23/24 22:02	1.0	14	
224	icp data	SAMPLE	506865-023	Wipe	338562	04/23/24 22:06	1.0	14	
225	icp data	SAMPLE	506865-024	Wipe	338562	04/23/24 22:09	1.0	14	
226	icp data	CCV				04/23/24 22:12	1.0	9	
227	icp data	CCB				04/23/24 22:15	1.0		
228	icp data	BLANK	QC1147230	Water	338569	04/23/24 22:18	1.0	14	
229	icp data	LCS	QC1147231	Water	338569	04/23/24 22:21	1.0	14	
230	icp data	MSS	506900-002	Sea Water	338569	04/23/24 22:24	10.0	14	1:MGASMGCO3=430
231	icp data	MS	QC1147234	Sea Water	338569	04/23/24 22:27	10.0	14	1:MGASMGCO3=440
232	icp data	MSD	QC1147235	Sea Water	338569	04/23/24 22:31	10.0	14	1:MGASMGCO3=430
233	icp data	CCV				04/23/24 22:34	1.0	9	
234	icp data	CCB				04/23/24 22:37	1.0		

SBW 04/23/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 001 through 035.

SBW 04/24/24 : I verified that the vials loaded on the instrument matched the sequence data entry, for runs 036 through 231.

Standards Used:
1=S19988 2=S19987 3=S19986 4=S19985 5=S19984 6=S19983 7=S20458 8=S20135 9=S20478 10=S19921 11=S20459 12=S20136 13=S20273 14=S16862

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	506868-003	Client ID:	AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-L-LA
Seqnum:	794164775139	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	338528	Time:	23-APR-2024 17:40
Cal:	794164775001	Caldate:	23-APR-2024		
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	3.226	160	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	228647	203628	-10.94

!=warning +=high bias <=opening a=ICSA u=use

Instrument ID: MET12

Label:	506868-003,338528	Rack:Tube:	2:45	Type:	Sample
Date Time:	4/23/2024 5:40:06 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficie
Ag 328.068	Ag	n	0.00022158	0.00022158	mg/L	44.98265251	0.00011893	53.67304719	7.30097355	16.23		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.320727
Al 396.152	Al	n	1.95319711	1.95319711	mg/L	103974.19839922	0.04920092	2.51899403	2612.64541913	2.51	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.557796
As 188.980	As	n	0.05765776	0.05765776	mg/L	367.66360001	0.00278024	4.82197702	17.36497634	4.72	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.8459946
B 249.678	B	n	0.02494918	0.02494918	mg/L	1236.54847046	0.00087686	3.51459454	40.74320308	3.29	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.759768
Ba 230.424	Ba	n	0.01211971	0.01211971	mg/L	2342.52549326	0.00033895	2.79668483	61.12658819	2.61	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.99105
Be 313.107	Be	nu	-0.00000023	-0.00000023	mg/L	13.73120214	0.00000617	2730.52056211	10.09647271	73.53	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.1601
Ca 317.933	Ca-R	n	9.74841718	9.74841718	mg/L	82022.63317648	0.05784076	0.59333493	480.71009816	0.59	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.9223605
Cd 214.439	Cd	nu	-0.00001597	-0.00001597	mg/L	343.32906755	0.00003715	232.69459971	10.27513668	2.99	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.70605
Co 230.786	Co	n	0.00975360	0.00975360	mg/L	718.26942224	0.00031227	3.20159099	20.28761083	2.82	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.084529
Cr 267.716	Cr	n	0.03178390	0.03178390	mg/L	2010.70380996	0.00062425	1.96404644	40.16458424	2.00	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.479616
Cu 324.754	Cu	n	0.45106686	0.45106686	mg/L	26970.83928433	0.01107961	2.45631146	641.59177238	2.38	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.448303
Fe 259.940	Fe	no	58.28484850	58.28484850	mg/L	3163575.82682086	1.37032476	2.35108231	74373.19410465	2.35	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.137206
K 766.491	K-R	n	2.64523611	2.64523611	mg/L	1923.50748771	0.05831690	2.20460090	41.60147103	2.16	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.36905008
Li 670.783	Li-R	n	0.00856223	0.00856223	mg/L	365.02706150	0.00104196	12.16924696	56.48835559	15.48	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.600725
Mg 279.800	Mg-R	n	4.62299375	4.62299375	mg/L	3017.73026750	0.02349684	0.50826032	15.22388945	0.50	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.91212225
Mn 257.610	Mn	n	0.27639972	0.27639972	mg/L	171989.59857670	0.00611267	2.21153383	3786.15232601	2.20	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.86711
Mo 204.598	Mo	n	0.00251852	0.00251852	mg/L	54.55358600	0.00041558	16.50101813	7.72852052	14.17	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.880788
Na 589.592	Na-R	n	2.03341608	2.03341608	mg/L	11462.84932472	0.00668047	0.32853451	37.30908097	0.33	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.7957971
Ni 231.604	Ni	n	0.12742228	0.12742228	mg/L	3462.56618653	0.00313213	2.45806830	84.59101020	2.44	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.530604
P 177.434	P	n	1.96637727	1.96637727	mg/L	244.38714056	0.05845381	2.97266508	7.23301745	2.96		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.73902359
Pb 220.353	Pb	n	3.22587561	3.22587561	mg/L	44596.95074214	0.05972838	1.85154015	824.83409962	1.85	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.751250
S 181.972	S	n	4.00675286	4.00675286	mg/L	6183.60371573	0.03329963	0.83108782	49.57282276	0.80		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.6896748
Sb 206.834	Sb	nu	-0.00409937	-0.00409937	mg/L	-13.67863581	0.00145087	35.39256892	6.96571577	50.92	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.0568954
Se 196.026	Se	n	0.01850285	0.01850285	mg/L	102.20013699	0.00032641	1.76411704	1.53226714	1.50	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765
Si 251.611	Si	n	4.44094273	4.44094273	mg/L	23416.25253723	0.08007068	1.80301089	420.52247365	1.80		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.8908119
Sn 189.925	Sn	n	0.06695451	0.06695451	mg/L	1047.61387298	0.00194344	2.90262402	28.66715871	2.74	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.748217
Sr 421.552	Sr-R	n	0.02162314	0.02162314	mg/L	6116.44773162	0.00008824	0.40809342	24.48428957	0.40	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.65176
Ti 334.941	Ti	n	0.15195085	0.15195085	mg/L	46045.65931637	0.01032029	6.79186058	3122.92271645	6.78	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.28759
Tl 190.794	Tl	nu	-0.00366874	-0.00366874	mg/L	-11.29118601	0.00024884	6.78273925	1.55730839	13.79	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.2474171
V 292.401	V	n	0.00814979	0.00814979	mg/L	243.77417086	0.00032218	3.95320982	13.66622381	5.61	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.204117
Zn 206.200	Zn	no	76.73149729	76.73149729	mg/L	3732035.98275132	2.10713579	2.74611582	102457.25005497	2.75	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.942777
Y 371.029	Y		0.89	0.89	Ratio	203628.10	0.01	1.68	3415.22	1.68		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.90	0.90	Ratio	34670.57	0.01	0.70	243.90	0.70		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	506868-005	Client ID:	AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-L-LA
Seqnum:	794164775140	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	338528	Time:	23-APR-2024 17:43
Cal:	794164775001	Caldate:	23-APR-2024		
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	2.429	120	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	228647	206958	-9.49

!=warning +=high bias <=opening a=ICSA u=use

Instrument ID: MET12

Label:	506868-005,338528	Rack:Tube:	2:46	Type:	Sample
Date Time:	4/23/2024 5:43:13 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2
Ag 328.068	Ag	nu	-0.00007277	-0.00007277	mg/L	26.31278566	0.00014133	194.22741653	8.67605000	32.97		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.32072743
Al 396.152	Al	n	1.78247330	1.78247330	mg/L	94902.57446134	0.04049462	2.27182192	2150.32735593	2.27	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.55779610
As 188.980	As	n	0.04970393	0.04970393	mg/L	317.84877307	0.00132990	2.67565073	8.30637241	2.61	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.845994688
B 249.678	B	n	0.02085855	0.02085855	mg/L	1041.54262835	0.00062960	3.01844705	29.25440562	2.81	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.75976813
Ba 230.424	Ba	n	0.01236476	0.01236476	mg/L	2386.40022745	0.00029262	2.36654415	52.77091801	2.21	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.9910546
Be 313.107	Be	nu	-0.00000631	-0.00000631	mg/L	4.22534587	0.00000205	32.53488059	3.35852507	79.49	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.160187
Ca 317.933	Ca-R	n	8.34530835	8.34530835	mg/L	70360.51667457	0.06159494	0.73807865	511.91075634	0.73	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.922360567
Cd 214.439	Cd	nu	-0.00026407	-0.00026407	mg/L	312.86363448	0.00003979	15.06838104	11.00456503	3.52	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.7060563
Co 230.786	Co	n	0.01018364	0.01018364	mg/L	750.40819179	0.00015667	1.53848151	10.17877439	1.36	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.08452914
Cr 267.716	Cr	n	0.03188366	0.03188366	mg/L	2016.88277411	0.00070778	2.21987108	45.53865211	2.26	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163
Cu 324.754	Cu	n	0.41689701	0.41689701	mg/L	24974.82680476	0.00810567	1.94428684	469.37888073	1.88	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.44830331
Fe 259.940	Fe	no	65.65080936	65.65080936	mg/L	3563356.00027440	1.30351887	1.98553359	70747.36205804	1.99	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.13720611
K 766.491	K-R	n	2.15304825	2.15304825	mg/L	1572.62326573	0.05734507	2.66343657	40.90820135	2.60	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.3690500888
Li 670.783	Li-R	n	0.00786818	0.00786818	mg/L	322.19743562	0.00008436	1.07219888	4.57359889	1.42	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	4.14810989	4.14810989	mg/L	2712.45906144	0.05104204	1.23048905	33.07075510	1.22	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.9121222585
Mn 257.610	Mn	n	0.27329563	0.27329563	mg/L	170110.03609245	0.00537363	1.96623244	3328.39178588	1.96	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.8671159
Mo 204.598	Mo	n	0.00291498	0.00291498	mg/L	61.76301302	0.00035042	12.02145416	6.51677888	10.55	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.88078804
Na 589.592	Na-R	n	1.88144667	1.88144667	mg/L	10606.96586925	0.01568051	0.83342809	87.57241864	0.83	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.795797185
Ni 231.604	Ni	n	0.12746610	0.12746610	mg/L	3465.73187580	0.00220968	1.73354523	59.67806964	1.72	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.53060476
P 177.434	P	n	1.75782237	1.75782237	mg/L	218.56947886	0.06303861	3.58617656	7.80033652	3.57		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.7390235934
Pb 220.353	Pb	n	2.42856885	2.42856885	mg/L	33588.86094196	0.02725439	1.12224060	376.37628475	1.12	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.75125029
S 181.972	S	n	3.58575950	3.58575950	mg/L	5557.17766626	0.04203536	1.17228623	62.57761373	1.13		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.689674812
Sb 206.834	Sb	n	0.00271701	0.00271701	mg/L	22.02284407	0.00165527	60.92227445	7.94702339	36.09	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.056895431
Se 196.026	Se	n	0.01490591	0.01490591	mg/L	83.59728347	0.00226225	15.17688455	10.61963713	12.70	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.274476536
Si 251.611	Si	n	3.86696239	3.86696239	mg/L	20401.40704254	0.03862154	0.99875656	202.83611341	0.99		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.890811980
Sn 189.925	Sn	n	0.07200351	0.07200351	mg/L	1122.60659179	0.00125571	1.74396316	18.52273237	1.65	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.74821723
Sr 421.552	Sr-R	n	0.01781582	0.01781582	mg/L	5055.49832574	0.00017921	1.00588102	49.72349938	0.98	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.6517699
Ti 334.941	Ti	n	0.11967225	0.11967225	mg/L	36276.74118565	0.00662652	5.53722422	2005.18718480	5.53	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.2875935
Tl 190.794	Tl	nu	-0.00369693	-0.00369693	mg/L	-11.60724323	0.00063106	17.06994417	3.94935326	34.02	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.247417125
V 292.401	V	n	0.00722759	0.00722759	mg/L	195.18054084	0.00023012	3.18397259	9.76147405	5.00	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.20411745
Zn 206.200	Zn	n	8.89717644	8.89717644	mg/L	433780.06863699	0.15307934	1.72053840	7443.32094572	1.72	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.94277712
Y 371.029	Y		0.91	0.91	Ratio	206957.81	0.02	2.31	4770.48	2.31		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.92	0.92	Ratio	35349.60	0.01	0.70	246.73	0.70		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	506868-007	Client ID:	AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-L-WF
Seqnum:	794164775141	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	338528	Time:	23-APR-2024 17:46
Cal:	794164775001	Caldate:	23-APR-2024		
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	2.559	130	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	228647	205634	-10.06

!=warning +=high bias <=opening a=ICSA u=use

Instrument ID: MET12

Label:	506868-007,338528	Rack:Tube:	2:47	Type:	Sample
Date Time:	4/23/2024 5:46:20 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficien
Ag 328.068	Ag	nu	-0.00008047	-0.00008047	mg/L	26.88647119	0.00007355	91.40503910	4.51515104	16.79		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.320727
Al 396.152	Al	n	1.55545300	1.55545300	mg/L	82846.18765268	0.04071192	2.61736773	2161.86663409	2.61	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.557796
As 188.980	As	n	0.02990714	0.02990714	mg/L	194.59676993	0.00197030	6.58805598	12.30618695	6.32	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.8459946
B 249.678	B	n	0.02455656	0.02455656	mg/L	1227.15558363	0.00027900	1.13616119	12.96376450	1.06	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.759768
Ba 230.424	Ba	n	0.01316950	0.01316950	mg/L	2531.61087673	0.00029728	2.25734253	53.61189366	2.12	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.99105
Be 313.107	Be	n	0.00002598	0.00002598	mg/L	55.53695955	0.00000481	18.52354775	7.87605995	14.18	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.1601
Ca 317.933	Ca-R	n	7.82335556	7.82335556	mg/L	66026.23828744	0.03878074	0.49570466	322.30370325	0.49	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.9223605
Cd 214.439	Cd	nu	-0.00009934	-0.00009934	mg/L	241.74227368	0.00003633	36.57231854	10.04758018	4.16	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.70605
Co 230.786	Co	n	0.00939365	0.00939365	mg/L	685.95231947	0.00035814	3.81261355	23.26791013	3.39	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.084529
Cr 267.716	Cr	n	0.02030344	0.02030344	mg/L	1272.17969716	0.00044865	2.20971927	28.86629753	2.27	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.479616
Cu 324.754	Cu	n	0.17490661	0.17490661	mg/L	11013.20982625	0.00409925	2.34367857	237.37702861	2.16	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.448303
Fe 259.940	Fe	no	44.32886874	44.32886874	mg/L	2406125.56575585	1.06703545	2.40708929	57912.42858941	2.41	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.137206
K 766.491	K-R	n	2.13139509	2.13139509	mg/L	1556.42965809	0.01927982	0.90456357	13.75362934	0.88	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.36905008
Li 670.783	Li-R	n	0.00714700	0.00714700	mg/L	300.31224577	0.00022588	3.16051677	12.24588739	4.08	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.600725
Mg 279.800	Mg-R	n	3.82484364	3.82484364	mg/L	2495.59324356	0.02899084	0.75796147	18.78351731	0.75	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.91212225
Mn 257.610	Mn	n	0.28539768	0.28539768	mg/L	177469.67968512	0.00569995	1.99719637	3530.51536523	1.99	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.86711
Mo 204.598	Mo	n	0.00230599	0.00230599	mg/L	50.64412341	0.00039087	16.95011398	7.26892518	14.35	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.880788
Na 589.592	Na-R	n	1.67597052	1.67597052	mg/L	9484.83429792	0.01316377	0.78544173	73.51697811	0.78	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.7957971
Ni 231.604	Ni	n	0.03322929	0.03322929	mg/L	914.49905980	0.00065077	1.95841681	17.57563825	1.92	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.530604
P 177.434	P	n	1.97179572	1.97179572	mg/L	245.07709012	0.03556344	1.80360684	4.40058564	1.80		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.73902359
Pb 220.353	Pb	n	2.55893114	2.55893114	mg/L	35383.55937334	0.03720128	1.45378205	513.74044457	1.45	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.751250
S 181.972	S	n	3.35140292	3.35140292	mg/L	5206.27598535	0.01766310	0.52703592	26.29487021	0.51		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.6896748
Sb 206.834	Sb	nu	-0.01138588	-0.01138588	mg/L	-54.73650350	0.00133310	11.70834038	6.40027699	11.69	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.0568954
Se 196.026	Se	n	0.01525875	0.01525875	mg/L	90.70066328	0.00232648	15.24683004	10.92111589	12.04	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765
Si 251.611	Si	n	3.72583068	3.72583068	mg/L	19661.13561731	0.06162447	1.65397929	323.64497676	1.65		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.8908119
Sn 189.925	Sn	n	0.06076526	0.06076526	mg/L	955.16397830	0.00156637	2.57774203	23.10515444	2.42	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.748217
Sr 421.552	Sr-R	n	0.01813172	0.01813172	mg/L	5140.08655824	0.00010709	0.59062024	29.71369568	0.58	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.65176
Ti 334.941	Ti	n	0.11626786	0.11626786	mg/L	35249.77805840	0.00594150	5.11018101	1797.89895965	5.10	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.28759
Tl 190.794	Tl	nu	-0.00298531	-0.00298531	mg/L	-6.67429020	0.00108206	36.24621663	6.77180279	> 100.00	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.2474171
V 292.401	V	n	0.00598600	0.00598600	mg/L	170.62886068	0.00028683	4.79165798	12.16674688	7.13	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.204117
Zn 206.200	Zn	no	49.99670072	49.99670072	mg/L	2431843.25990714	1.35603443	2.71224782	65935.74038739	2.71	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.942777
Y 371.029	Y		0.90	0.90	Ratio	205634.11	0.01	1.64	3366.87	1.64		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.90	0.90	Ratio	34821.37	0.00	0.35	121.63	0.35		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	506868-009	Client ID:	AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-L-LA
Seqnum:	794164775144	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	338528	Time:	23-APR-2024 17:55
Cal:	794164775001	Caldate:	23-APR-2024		
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	3.202	160	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	228647	207916	-9.07

!=warning +=high bias <=opening a=ICSA u=use

Instrument ID: MET12

Label:	506868-009,338528	**Rack:Tube:**	2:48	**Type:**	Sample
Date Time:	4/23/2024 5:55:42 PM	**Weight:**	1	**Volume:**	1
Dilution:	1	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00014919	-0.00014919	mg/L	21.41477445	0.00011381	76.28223712	6.98650620	32.62		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.32072743(
Al 396.152	Al	n	3.28506771	3.28506771	mg/L	174694.83106607	0.06428187	1.95678991	3413.46761562	1.95	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.55779610
As 188.980	As	n	0.04515798	0.04515798	mg/L	289.31055405	0.00282247	6.25020199	17.62868271	6.09	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.845994688
B 249.678	B	n	0.02155288	0.02155288	mg/L	1068.66478200	0.00028557	1.32497683	13.26897421	1.24	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.75976813(
Ba 230.424	Ba	n	0.01473179	0.01473179	mg/L	2814.09573854	0.00036033	2.44591043	64.98162858	2.31	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.9910546(
Be 313.107	Be	n	0.00002556	0.00002556	mg/L	57.13924521	0.00000934	36.52678270	15.27929889	26.74	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.160187
Ca 317.933	Ca-R	n	8.96179779	8.96179779	mg/L	75482.15924916	0.03787493	0.42262645	314.77558368	0.42	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.922360567(
Cd 214.439	Cd	nu	-0.00021919	-0.00021919	mg/L	373.36188376	0.00004698	21.43390359	12.99310955	3.48	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.7060563(
Co 230.786	Co	n	0.01214183	0.01214183	mg/L	883.06921014	0.00012263	1.01000228	7.96721224	0.90	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.084529143
Cr 267.716	Cr	n	0.05465501	0.05465501	mg/L	3481.91606329	0.00118359	2.16556633	76.15277322	2.19	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.479616382
Cu 324.754	Cu	n	0.56312642	0.56312642	mg/L	33422.79522113	0.00731167	1.29840610	423.40002495	1.27	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.448303315
Fe 259.940	Fe	no	74.18260290	74.18260290	mg/L	4026413.58403127	1.28772964	1.73589169	69890.41528901	1.74	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.137206111
K 766.491	K-R	n	2.17170766	2.17170766	mg/L	1585.98569251	0.08583934	3.95261960	61.23513016	3.86	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088
Li 670.783	Li-R	n	0.00802128	0.00802128	mg/L	323.14498719	0.00058146	7.24894706	31.52294167	9.76	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	5.31350513	5.31350513	mg/L	3470.59923813	0.03435949	0.64664455	22.26193108	0.64	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122585
Mn 257.610	Mn	n	0.35535657	0.35535657	mg/L	220995.90251404	0.00571989	1.60961918	3542.86320926	1.60	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115
Mo 204.598	Mo	n	0.00402479	0.00402479	mg/L	82.77263756	0.00035994	8.94297128	6.69369152	8.09	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.880788048
Na 589.592	Na-R	n	1.80388890	1.80388890	mg/L	10161.87538843	0.00695483	0.38554648	38.84130586	0.38	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.795797185
Ni 231.604	Ni	n	0.43748369	0.43748369	mg/L	11841.08068465	0.00782772	1.78925970	211.40736952	1.79	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.530604763
P 177.434	P	n	1.76933266	1.76933266	mg/L	219.98293862	0.02407386	1.36061784	2.97887540	1.35		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593
Pb 220.353	Pb	n	3.20152067	3.20152067	mg/L	44261.10562788	0.03362946	1.05042158	464.41453387	1.05	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.751250296
S 181.972	S	n	3.10156450	3.10156450	mg/L	4837.93599306	0.00680784	0.21949711	10.13476774	0.21		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.689674812
Sb 206.834	Sb	n	0.01184681	0.01184681	mg/L	69.50282281	0.00141043	11.90555484	6.77154872	9.74	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.056895431(
Se 196.026	Se	n	0.01283120	0.01283120	mg/L	71.55921794	0.00077009	6.00167023	3.61499685	5.05	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.274476536
Si 251.611	Si	n	6.74795509	6.74795509	mg/L	35531.81716186	0.08286267	1.22796709	435.18568477	1.22		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.890811980
Sn 189.925	Sn	n	0.09937916	0.09937916	mg/L	1527.11137069	0.00120498	1.21250295	17.77428720	1.16	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.748217237
Sr 421.552	Sr-R	n	0.01721490	0.01721490	mg/L	4891.46702593	0.00009470	0.55008136	26.27486881	0.54	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769
Ti 334.941	Ti	n	0.21543161	0.21543161	mg/L	65252.19238639	0.01203630	5.58706479	3642.18889585	5.58	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.2875935
Tl 190.794	Tl	nu	-0.00414712	-0.00414712	mg/L	-14.62407232	0.00032898	7.93281290	2.05886068	14.08	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.247417125
V 292.401	V	n	0.01394017	0.01394017	mg/L	468.48316721	0.00016349	1.17283233	6.93515483	1.48	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.204117453
Zn 206.200	Zn	n	5.54315548	5.54315548	mg/L	270842.12919776	0.05777213	1.04222463	2809.10883584	1.04	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.942777127
Y 371.029	Y		0.91	0.91	Ratio	207916.13	0.02	1.73	3593.88	1.73		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.92	0.92	Ratio	35532.64	0.00	0.32	115.19	0.32		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	506868-011	Client ID:	AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-WF
Seqnum:	794164775145	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	338528	Time:	23-APR-2024 17:58
Cal:	794164775001	Caldate:	23-APR-2024		
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	2.263	110	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	228647	208092	-8.99

!=warning +=high bias <=opening a=ICSA u=use

Instrument ID: MET12

Label:	506868-011,338528	Rack:Tube:	2:49	Type:	Sample
Date Time:	4/23/2024 5:58:49 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2
Ag 328.068	Ag	nu	-0.00015578	-0.00015578	mg/L	22.18687400	0.00011309	72.60079538	6.94264979	31.29		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.32072743
Al 396.152	Al	n	1.22927419	1.22927419	mg/L	65519.11056942	0.02966149	2.41292744	1575.07154696	2.40	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.55779610
As 188.980	As	n	0.03063006	0.03063006	mg/L	199.16003078	0.00190315	6.21333880	11.88677733	5.97	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.845994688
B 249.678	B	n	0.02522409	0.02522409	mg/L	1259.79852388	0.00026271	1.04149520	12.20665143	0.97	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.75976813
Ba 230.424	Ba	n	0.00821157	0.00821157	mg/L	1637.26932142	0.00020379	2.48173054	36.75152441	2.24	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.9910546
Be 313.107	Be	nu	-0.00000191	-0.00000191	mg/L	9.61684289	0.00000257	134.78169235	4.21355406	43.81	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.160187
Ca 317.933	Ca-R	n	6.20223708	6.20223708	mg/L	52553.86602190	0.00407928	0.06577104	33.90254315	0.06	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.922360567
Cd 214.439	Cd	nu	-0.00018020	-0.00018020	mg/L	202.41517437	0.00001853	10.28215714	5.12422861	2.53	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.7060563
Co 230.786	Co	n	0.01165183	0.01165183	mg/L	830.66631595	0.00025420	2.18164539	16.51499687	1.99	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.08452914
Cr 267.716	Cr	n	0.02587339	0.02587339	mg/L	1630.48150718	0.00058345	2.25503079	37.53963638	2.30	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.47961638
Cu 324.754	Cu	n	0.23858852	0.23858852	mg/L	14707.93551161	0.00371947	1.55894558	215.38474124	1.46	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.44830331
Fe 259.940	Fe	no	41.90440101	41.90440101	mg/L	2274538.65182635	0.82314037	1.96432917	44675.23360190	1.96	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.13720611
K 766.491	K-R	n	2.03359523	2.03359523	mg/L	1486.51439636	0.05335625	2.62373985	38.06269624	2.56	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.3690500888
Li 670.783	Li-R	n	0.00710096	0.00710096	mg/L	300.71096330	0.00068845	9.69522945	37.32358974	12.41	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	3.56018016	3.56018016	mg/L	2323.02195927	0.03672461	1.03153803	23.79432146	1.02	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.9121222585
Mn 257.610	Mn	n	0.25347512	0.25347512	mg/L	157676.21931260	0.00686546	2.70853262	4252.42152832	2.70	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.8671159
Mo 204.598	Mo	n	0.00258841	0.00258841	mg/L	55.81357364	0.00019644	7.58909360	3.65311272	6.55	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.88078804
Na 589.592	Na-R	n	1.64321313	1.64321313	mg/L	9306.60548990	0.00531414	0.32339936	29.67839132	0.32	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.795797185
Ni 231.604	Ni	n	0.04232553	0.04232553	mg/L	1159.26367052	0.00032273	0.76248926	8.71607552	0.75	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.53060476
P 177.434	P	n	2.16543665	2.16543665	mg/L	269.04147065	0.03212262	1.48342440	3.97482109	1.48		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.7390235934
Pb 220.353	Pb	n	2.26315422	2.26315422	mg/L	31299.02579199	0.03183953	1.40686522	439.69598501	1.40	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.75125029
S 181.972	S	n	3.10519868	3.10519868	mg/L	4839.11253360	0.01474433	0.47482718	21.94972777	0.45		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.689674812
Sb 206.834	Sb	nu	-0.00773693	-0.00773693	mg/L	-38.51101540	0.00153185	19.79926297	7.35452054	19.10	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.056895431
Se 196.026	Se	n	0.01384470	0.01384470	mg/L	84.92048034	0.00151209	10.92180525	7.09816949	8.36	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.274476536
Si 251.611	Si	n	3.06027422	3.06027422	mg/L	16165.78794174	0.04119358	1.34607492	216.34420337	1.34		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.890811980
Sn 189.925	Sn	n	0.04388483	0.04388483	mg/L	705.89443873	0.00115276	2.62679234	17.00412343	2.41	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.74821723
Sr 421.552	Sr-R	n	0.01370095	0.01370095	mg/L	3904.75643446	0.00002638	0.19256056	7.32027388	0.19	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.6517699
Ti 334.941	Ti	n	0.14335815	0.14335815	mg/L	43447.39295520	0.00685883	4.78440248	2075.48422159	4.78	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.2875935
Tl 190.794	Tl	nu	-0.00375247	-0.00375247	mg/L	-11.38973274	0.00066394	17.69340138	4.15509606	36.48	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.247417125
V 292.401	V	n	0.00579451	0.00579451	mg/L	166.31757780	0.00015048	2.59696456	6.38315357	3.84	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.20411745
Zn 206.200	Zn	n	3.67803463	3.67803463	mg/L	179594.37620943	0.05322344	1.44706185	2587.93330549	1.44	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.94277712
Y 371.029	Y		0.91	0.91	Ratio	208092.45	0.02	1.70	3538.05	1.70		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.92	0.92	Ratio	35430.63	0.00	0.37	129.40	0.37		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	506868-012	Client ID:	AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-DUP-WF
Seqnum:	794164775146	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	338528	Time:	23-APR-2024 18:01
Cal:	794164775001	Caldate:	23-APR-2024		
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	2.678	130	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	228647	209274	-8.47

!=warning +=high bias <=opening a=ICSA u=use

Instrument ID: MET12

Label:	506868-012,338528	Rack:Tube:	2:50	Type:	Sample
Date Time:	4/23/2024 6:01:56 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2
Ag 328.068	Ag	nu	0.00003529	0.00003529	mg/L	33.02568938	0.00006492	183.94901674	3.98519771	12.07		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.32072743
Al 396.152	Al	n	1.36730252	1.36730252	mg/L	72846.83834684	0.02041748	1.49326734	1084.20009707	1.49	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.55779610
As 188.980	As	n	0.02363673	0.02363673	mg/L	155.18622612	0.00133639	5.65386526	8.34687954	5.38	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.845994688
B 249.678	B	n	0.01323621	0.01323621	mg/L	692.38205617	0.00029202	2.20622509	13.56866691	1.96	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.75976813
Ba 230.424	Ba	n	0.00835121	0.00835121	mg/L	1662.28017243	0.00015921	1.90641829	28.71189522	1.73	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.9910546
Be 313.107	Be	nu	-0.00000506	-0.00000506	mg/L	5.57995146	0.00000158	31.23837914	2.58651236	46.35	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.160187
Ca 317.933	Ca-R	n	5.87343346	5.87343346	mg/L	49818.62347405	0.05604798	0.95426255	465.81037799	0.94	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.922360567
Cd 214.439	Cd	nu	-0.00015931	-0.00015931	mg/L	294.68897282	0.00007343	46.09208777	20.30688448	6.89	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.7060563
Co 230.786	Co	n	0.01534932	0.01534932	mg/L	1080.57696179	0.00028928	1.88464267	18.79395931	1.74	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.08452914
Cr 267.716	Cr	n	0.03420558	0.03420558	mg/L	2166.25714419	0.00158530	4.63463012	101.99910480	4.71	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163
Cu 324.754	Cu	n	0.33246991	0.33246991	mg/L	20106.04390213	0.00477306	1.43563617	276.39562936	1.37	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.44830331
Fe 259.940	Fe	no	56.95650010	56.95650010	mg/L	3091478.19597322	0.84725320	1.48754435	45983.93634136	1.49	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.13720611
K 766.491	K-R	n	1.26848325	1.26848325	mg/L	941.25061639	0.03423092	2.69857055	24.41927566	2.59	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.3690500888
Li 670.783	Li-R	n	0.00728413	0.00728413	mg/L	298.06927068	0.00074124	10.17605605	40.18513168	13.48	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	3.43677529	3.43677529	mg/L	2248.56000030	0.02414763	0.70262457	15.64554073	0.70	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.9121222585
Mn 257.610	Mn	n	0.32704459	0.32704459	mg/L	203344.97447983	0.00389243	1.19018188	2410.94442429	1.19	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.8671159
Mo 204.598	Mo	n	0.00270618	0.00270618	mg/L	57.83636070	0.00035464	13.10471747	6.59513876	11.40	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.88078804
Na 589.592	Na-R	n	1.38167239	1.38167239	mg/L	7827.59962359	0.00528571	0.38255916	29.51963493	0.38	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.795797185
Ni 231.604	Ni	n	0.05136191	0.05136191	mg/L	1407.84450292	0.00091459	1.78067731	24.70081522	1.75	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.53060476
P 177.434	P	n	1.18399910	1.18399910	mg/L	147.57601677	0.01346070	1.13688410	1.66561357	1.13		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.7390235934
Pb 220.353	Pb	n	2.67756405	2.67756405	mg/L	37026.08305590	0.02180134	0.81422293	301.07108664	0.81	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.75125029
S 181.972	S	n	2.78355819	2.78355819	mg/L	4361.65937857	0.01159381	0.41651058	17.25959166	0.40		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.689674812
Sb 206.834	Sb	nu	-0.00473736	-0.00473736	mg/L	-17.39976024	0.00049165	10.37818016	2.36044906	13.57	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.056895431
Se 196.026	Se	n	0.00905569	0.00905569	mg/L	58.42575271	0.00070217	7.75390336	3.29617535	5.64	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.274476536
Si 251.611	Si	n	3.25958686	3.25958686	mg/L	17211.84175929	0.00591396	0.18143280	31.05947016	0.18		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.890811980
Sn 189.925	Sn	n	0.04401443	0.04401443	mg/L	709.03027343	0.00090883	2.06483450	13.40585064	1.89	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.74821723
Sr 421.552	Sr-R	n	0.01198709	0.01198709	mg/L	3429.09634880	0.00021358	1.78173628	59.26062778	1.73	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.6517699
Ti 334.941	Ti	n	0.16343025	0.16343025	mg/L	49518.69006768	0.00905217	5.53885753	2739.18887714	5.53	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.2875935
Tl 190.794	Tl	nu	-0.00368076	-0.00368076	mg/L	-11.28849450	0.00030391	8.25679798	1.90196469	16.85	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.247417125
V 292.401	V	n	0.00679150	0.00679150	mg/L	187.64627144	0.00025938	3.81914702	11.00231714	5.86	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.20411745
Zn 206.200	Zn	n	4.32511045	4.32511045	mg/L	211322.61355731	0.04235406	0.97925959	2059.42133200	0.97	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.94277712
Y 371.029	Y		0.92	0.92	Ratio	209273.78	0.02	2.17	4549.26	2.17		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.92	0.92	Ratio	35550.24	0.01	1.05	373.00	1.05		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	506868-014	Client ID:	AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-L-LA
Seqnum:	794164775147	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	338528	Time:	23-APR-2024 18:05
Cal:	794164775001	Caldate:	23-APR-2024		
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	1.662	83	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	228647	208424	-8.84

!=warning +=high bias <=opening a=ICSA u=use

Instrument ID: MET12

Label:	506868-014,338528	Rack:Tube:	2:51	Type:	Sample
Date Time:	4/23/2024 6:05:03 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficie
Ag 328.068	Ag	nu	-0.00004040	-0.00004040	mg/L	28.89905009	0.00004986	123.42444105	3.06075364	10.59		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.32072
Al 396.152	Al	n	2.15609023	2.15609023	mg/L	114742.34013032	0.04288034	1.98880092	2277.01298055	1.98	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.55779
As 188.980	As	n	0.03922135	0.03922135	mg/L	252.57296632	0.00086698	2.21048018	5.41502514	2.14	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.845994
B 249.678	B	n	0.02297595	0.02297595	mg/L	1146.79206543	0.00034688	1.50973483	16.11750682	1.41	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.75976
Ba 230.424	Ba	n	0.01048235	0.01048235	mg/L	2047.29460143	0.00033451	3.19119382	60.32625152	2.95	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.9910
Be 313.107	Be	nu	-0.00000249	-0.00000249	mg/L	9.78707240	0.00000651	261.54445715	10.64826206	> 100.00	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.160
Ca 317.933	Ca-R	n	8.30858235	8.30858235	mg/L	70056.84072279	0.02000249	0.24074493	166.23914726	0.24	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.922360
Cd 214.439	Cd	nu	-0.00024090	-0.00024090	mg/L	263.01228657	0.00004448	18.46449951	12.30171990	4.68	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.7060
Co 230.786	Co	n	0.01056380	0.01056380	mg/L	768.78958911	0.00068641	6.49773411	44.59460825	5.80	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.08452
Cr 267.716	Cr	n	0.05588346	0.05588346	mg/L	3561.24603668	0.00136721	2.44653854	87.96697080	2.47	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.47961
Cu 324.754	Cu	n	0.28824723	0.28824723	mg/L	17550.38343083	0.00548635	1.90335008	317.70075697	1.81	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.44830
Fe 259.940	Fe	no	55.02567269	55.02567269	mg/L	2986686.30805214	1.05437306	1.91614752	57225.18812123	1.92	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.13720
K 766.491	K-R	n	2.15759170	2.15759170	mg/L	1575.40599217	0.02778375	1.28772047	19.82006733	1.26	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.3690500
Li 670.783	Li-R	n	0.00793936	0.00793936	mg/L	334.24432068	0.00065430	8.24127188	35.47217365	10.61	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072
Mg 279.800	Mg-R	n	4.47193166	4.47193166	mg/L	2918.69404221	0.02288139	0.51166681	14.82512990	0.51	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.9121222
Mn 257.610	Mn	n	0.26739973	0.26739973	mg/L	166393.19350985	0.00438142	1.63852983	2713.82734906	1.63	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.8671
Mo 204.598	Mo	n	0.00408624	0.00408624	mg/L	83.80546795	0.00061612	15.07794727	11.45793741	13.67	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.88078
Na 589.592	Na-R	n	1.70331907	1.70331907	mg/L	9623.82329783	0.00787420	0.46228576	43.97580802	0.46	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.795797
Ni 231.604	Ni	n	0.15345028	0.15345028	mg/L	4164.55334104	0.00293008	1.90946631	79.13426389	1.90	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.53060
P 177.434	P	n	1.84869303	1.84869303	mg/L	229.82930768	0.02030725	1.09846501	2.51279880	1.09		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.7390235
Pb 220.353	Pb	n	1.66231600	1.66231600	mg/L	23002.89608044	0.02350698	1.41410995	324.62548937	1.41	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.75125
S 181.972	S	n	3.29841382	3.29841382	mg/L	5128.71343321	0.01417320	0.42969759	21.09950344	0.41		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.689674
Sb 206.834	Sb	n	0.00178103	0.00178103	mg/L	13.13691536	0.00077615	43.57875493	3.72634377	28.37	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.056895
Se 196.026	Se	n	0.01455987	0.01455987	mg/L	84.57930737	0.00037582	2.58123118	1.76422002	2.09	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.274476
Si 251.611	Si	n	4.64614739	4.64614739	mg/L	24494.10469878	0.02460352	0.52954662	129.21498130	0.53		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.890811
Sn 189.925	Sn	n	0.05758614	0.05758614	mg/L	909.13746585	0.00070316	1.22105901	10.37214769	1.14	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.74821
Sr 421.552	Sr-R	n	0.01752288	0.01752288	mg/L	4973.38769435	0.00003876	0.22119614	10.75455114	0.22	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.6517
Ti 334.941	Ti	n	0.17547724	0.17547724	mg/L	53164.88102052	0.01481233	8.44117100	4482.21653612	8.43	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.2875
Tl 190.794	Tl	nu	-0.00391883	-0.00391883	mg/L	-12.76611361	0.00052793	13.47162969	3.30391712	25.88	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.247417
V 292.401	V	n	0.00899791	0.00899791	mg/L	283.89332241	0.00047933	5.32715073	20.33241448	7.16	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.20411
Zn 206.200	Zn	n	3.34681704	3.34681704	mg/L	163727.38153759	0.04805382	1.43580650	2336.56603222	1.43	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.94277
Y 371.029	Y		0.91	0.91	Ratio	208424.12	0.02	1.87	3898.33	1.87		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.92	0.92	Ratio	35282.13	0.00	0.36	126.83	0.36		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	506868-016	Client ID:	AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-L-LA
Seqnum:	794164775148	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	338528	Time:	23-APR-2024 18:08
Cal:	794164775001	Caldate:	23-APR-2024		
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	2.612	130	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	228647	208331	-8.89

!=warning +=high bias <=opening a=ICSA u=use

Instrument ID: MET12

Label:	506868-016,338528	Rack:Tube:	2:52	Type:	Sample
Date Time:	4/23/2024 6:08:10 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficie
Ag 328.068	Ag	nu	0.00016983	0.00016983	mg/L	42.54837238	0.00028382	167.12630652	17.42343824	40.95		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.32072
Al 396.152	Al	n	1.89530897	1.89530897	mg/L	100902.42747289	0.03513849	1.85397182	1865.90878421	1.85	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.55779
As 188.980	As	n	0.03143657	0.03143657	mg/L	204.14496399	0.00097830	3.11199227	6.11033475	2.99	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.845994
B 249.678	B	n	0.01687506	0.01687506	mg/L	870.22558512	0.00066636	3.94880155	30.96237879	3.56	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.75976
Ba 230.424	Ba	n	0.01102804	0.01102804	mg/L	2145.73210835	0.00020331	1.84356626	36.66499259	1.71	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.9910
Be 313.107	Be	nu	-0.00000623	-0.00000623	mg/L	2.94999113	0.00000396	63.47528481	6.47400546	> 100.00	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.160
Ca 317.933	Ca-R	n	10.22901896	10.22901896	mg/L	86019.21970485	0.06458114	0.63135226	536.72885856	0.62	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.922360
Cd 214.439	Cd	nu	-0.00018258	-0.00018258	mg/L	223.46875813	0.00003591	19.66918580	9.93197496	4.44	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.7060
Co 230.786	Co	n	0.00752356	0.00752356	mg/L	565.12070202	0.00014945	1.98645816	9.70963169	1.72	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.08452
Cr 267.716	Cr	n	0.03753051	0.03753051	mg/L	2380.74102454	0.00050177	1.33695906	32.28396586	1.36	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.47961
Cu 324.754	Cu	n	0.17845924	0.17845924	mg/L	11217.39865906	0.00299985	1.68097325	173.71377908	1.55	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.44830
Fe 259.940	Fe	no	45.06802341	45.06802341	mg/L	2446243.96609909	0.75255001	1.66980921	40844.00223837	1.67	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.13720
K 766.491	K-R	n	1.90626637	1.90626637	mg/L	1395.92679798	0.07334485	3.84756580	52.32194822	3.75	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.3690500
Li 670.783	Li-R	n	0.00711264	0.00711264	mg/L	297.16578259	0.00067907	9.54741561	36.81501973	12.39	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072
Mg 279.800	Mg-R	n	4.22228205	4.22228205	mg/L	2753.42043560	0.04172068	0.98810732	27.03133314	0.98	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.9121222
Mn 257.610	Mn	n	0.25339781	0.25339781	mg/L	157656.31015833	0.00402231	1.58734819	2491.39142470	1.58	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.8671
Mo 204.598	Mo	n	0.00201093	0.00201093	mg/L	45.27653653	0.00045974	22.86199230	8.54972310	18.88	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.88078
Na 589.592	Na-R	n	1.65914717	1.65914717	mg/L	9388.36856539	0.00702893	0.42364698	39.25512160	0.42	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.795797
Ni 231.604	Ni	n	0.22495446	0.22495446	mg/L	6092.79252094	0.00448684	1.99455328	121.17837755	1.99	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.53060
P 177.434	P	n	1.46169513	1.46169513	mg/L	181.95798761	0.03493205	2.38983162	4.32245806	2.38		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.7390235
Pb 220.353	Pb	n	2.61242053	2.61242053	mg/L	36121.53998096	0.02924150	1.11932599	403.81787003	1.12	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.75125
S 181.972	S	n	3.20783194	3.20783194	mg/L	4993.09706767	0.01261162	0.39315098	18.77479261	0.38		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.689674
Sb 206.834	Sb	n	0.00321136	0.00321136	mg/L	15.68908054	0.00140718	43.81896522	6.75596826	43.06	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.056895
Se 196.026	Se	n	0.01068988	0.01068988	mg/L	68.93820334	0.00214862	20.09957769	10.08621686	14.63	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.274476
Si 251.611	Si	n	4.18048160	4.18048160	mg/L	22048.94679738	0.02980653	0.71299264	156.54061987	0.71		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.890811
Sn 189.925	Sn	n	0.05498040	0.05498040	mg/L	869.94313067	0.00164707	2.99574456	24.29555092	2.79	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.74821
Sr 421.552	Sr-R	n	0.01794923	0.01794923	mg/L	5097.71528035	0.00004360	0.24291288	12.09777826	0.24	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.6517
Ti 334.941	Ti	n	0.21080137	0.21080137	mg/L	63856.07845853	0.00899849	4.26870438	2722.94483821	4.26	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.2875
Tl 190.794	Tl	nu	-0.00430477	-0.00430477	mg/L	-14.97560366	0.00027772	6.45151437	1.73805957	11.61	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.247417
V 292.401	V	n	0.00829785	0.00829785	mg/L	267.95510251	0.00022217	2.67739008	9.42387838	3.52	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.20411
Zn 206.200	Zn	n	9.40444442	9.40444442	mg/L	458103.31429520	0.12059053	1.28227171	5863.58702685	1.28	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.94277
Y 371.029	Y		0.91	0.91	Ratio	208331.17	0.02	2.28	4756.93	2.28		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.91	0.91	Ratio	35110.57	0.01	0.70	246.42	0.70		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	506868-018	Client ID:	AFRAME-C14E-MED-L2-HS-1-240422-L-G
Seqnum:	794164775149	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	338528	Time:	23-APR-2024 18:11
Cal:	794164775001	Caldate:	23-APR-2024		
IDF:	1.0	Raw Units:	mg/L	Units:	ug/ft2

- 1.03 ft2 ⇨ 50.0 ml = 48.66 ml/ft2 PDF

Analyte	Ch	Raw	Result	RL	Blank	Flags
Lead	A	6.533	320	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	228647	206663	-9.61

!=warning +=high bias <=opening a=ICSA u=use

Instrument ID: MET12

Label:	506868-018,338528	Rack:Tube:	2:53	Type:	Sample
Date Time:	4/23/2024 6:11:17 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficie
Ag 328.068	Ag	nu	-0.00013495	-0.00013495	mg/L	23.13453734	0.00002421	17.94190166	1.48639938	6.43		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.32072
Al 396.152	Al	n	3.36057601	3.36057601	mg/L	178703.80932015	0.06971376	2.07445861	3701.90917433	2.07	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.55779
As 188.980	As	n	0.03550388	0.03550388	mg/L	229.31315179	0.00144974	4.08331987	9.05483437	3.95	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.845994
B 249.678	B	n	0.02268400	0.02268400	mg/L	1131.73257067	0.00035227	1.55296608	16.36836768	1.45	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.75976
Ba 230.424	Ba	n	0.01755621	0.01755621	mg/L	3323.71710528	0.00036182	2.06091370	65.25067974	1.96	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.9910
Be 313.107	Be	nu	-0.00000247	-0.00000247	mg/L	10.13499493	0.00000187	75.42707325	3.05403067	30.13	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.160
Ca 317.933	Ca-R	n	8.67701367	8.67701367	mg/L	73117.93392670	0.01845927	0.21273759	153.41355508	0.21	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.922360
Cd 214.439	Cd	nu	-0.00003968	-0.00003968	mg/L	335.16092560	0.00005677	143.05211375	15.69953635	4.68	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.7060
Co 230.786	Co	n	0.01114960	0.01114960	mg/L	808.72815373	0.00035545	3.18802340	23.09302601	2.86	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.08452
Cr 267.716	Cr	n	0.03158925	0.03158925	mg/L	1998.14566769	0.00023386	0.74031336	15.04663025	0.75	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.47961
Cu 324.754	Cu	n	0.16932704	0.16932704	mg/L	10657.92921917	0.00233430	1.37857534	135.17340739	1.27	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.44830
Fe 259.940	Fe	no	58.51248731	58.51248731	mg/L	3175931.62788545	1.23245362	2.10630872	66890.35697202	2.11	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.13720
K 766.491	K-R	n	2.09173421	2.09173421	mg/L	1528.30933774	0.05052405	2.41541463	36.04229645	2.36	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.3690500
Li 670.783	Li-R	n	0.00929428	0.00929428	mg/L	405.05347275	0.00051727	5.56542124	28.04285567	6.92	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072
Mg 279.800	Mg-R	n	5.44010829	5.44010829	mg/L	3547.04392253	0.02713061	0.49871454	17.57825194	0.50	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.9121222
Mn 257.610	Mn	n	0.38566836	0.38566836	mg/L	239668.75559922	0.00607424	1.57499179	3762.35008270	1.57	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.8671
Mo 204.598	Mo	n	0.00219682	0.00219682	mg/L	49.02177221	0.00016512	7.51637780	3.07074238	6.26	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.88078
Na 589.592	Na-R	n	1.67167411	1.67167411	mg/L	9442.26133033	0.00368368	0.22035845	20.57257384	0.22	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.795797
Ni 231.604	Ni	n	0.04654771	0.04654771	mg/L	1278.25780124	0.00093807	2.01529386	25.33504021	1.98	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.53060
P 177.434	P	n	2.03542932	2.03542932	mg/L	252.93310093	0.02674609	1.31402694	3.30953502	1.31		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.7390235
Pb 220.353	Pb	n	6.53323979	6.53323979	mg/L	90266.29441817	0.07988644	1.22276919	1103.21191006	1.22	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.75125
S 181.972	S	n	3.08893743	3.08893743	mg/L	4817.77671182	0.01128431	0.36531377	16.79884121	0.35		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.689674
Sb 206.834	Sb	nu	-0.00202308	-0.00202308	mg/L	-3.91611109	0.00205553	101.60380634	9.86869724	> 100.00	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.056895
Se 196.026	Se	n	0.01513768	0.01513768	mg/L	86.47768964	0.00142066	9.38495831	6.66899082	7.71	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.274476
Si 251.611	Si	n	7.25286536	7.25286536	mg/L	38184.28583188	0.07002236	0.96544411	367.74979781	0.96		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.890811
Sn 189.925	Sn	n	0.04765057	0.04765057	mg/L	762.82036725	0.00057531	1.20735312	8.48626246	1.11	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.74821
Sr 421.552	Sr-R	n	0.01967227	0.01967227	mg/L	5571.28171244	0.00009404	0.47802810	26.09258635	0.47	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.6517
Ti 334.941	Ti	n	0.33763418	0.33763418	mg/L	102233.11959699	0.01299932	3.85011998	3933.59821808	3.85	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.2875
Tl 190.794	Tl	nu	-0.00472309	-0.00472309	mg/L	-17.86836586	0.00015596	3.30216172	0.97606083	5.46	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.247417
V 292.401	V	n	0.01585502	0.01585502	mg/L	570.90797731	0.00033507	2.11336507	14.21325399	2.49	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.20411
Zn 206.200	Zn	n	8.53175331	8.53175331	mg/L	415890.29886091	0.10164345	1.19135476	4942.30524855	1.19	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.94277
Y 371.029	Y		0.90	0.90	Ratio	206662.99	0.02	2.11	4363.11	2.11		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.92	0.92	Ratio	35297.64	0.00	0.35	123.10	0.35		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	506868-020	Client ID:	AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-L-I
Seqnum:	794164775150	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	338528	Time:	23-APR-2024 18:14
Cal:	794164775001	Caldate:	23-APR-2024		
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	2.807	140	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	228647	206336	-9.76

!=warning +=high bias <=opening a=ICSA u=use

Instrument ID: MET12

Label:	506868-020,338528	Rack:Tube:	2:54	Type:	Sample
Date Time:	4/23/2024 6:14:24 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2
Ag 328.068	Ag	nu	-0.00008812	-0.00008812	mg/L	26.74284960	0.00014943	169.57781729	9.17349644	34.30		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.32072743
Al 396.152	Al	n	1.29632702	1.29632702	mg/L	69090.74187850	0.03025718	2.33406973	1606.70321579	2.33	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.55779610
As 188.980	As	n	0.03176157	0.03176157	mg/L	206.25873709	0.00169073	5.32320120	10.56005238	5.12	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.845994688
B 249.678	B	n	0.02403084	0.02403084	mg/L	1205.58613404	0.00024425	1.01641292	11.34913538	0.94	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.75976813
Ba 230.424	Ba	n	0.01786703	0.01786703	mg/L	3378.69447678	0.00044243	2.47622298	79.78779618	2.36	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.9910546
Be 313.107	Be	nu	-0.00000385	-0.00000385	mg/L	6.41621056	0.00000239	61.97943466	3.90433663	60.85	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.160187
Ca 317.933	Ca-R	n	8.94347392	8.94347392	mg/L	75336.24085490	0.02876544	0.32163610	239.06734313	0.32	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.922360567
Cd 214.439	Cd	n	0.00004255	0.00004255	mg/L	257.97712342	0.00001026	24.12496357	2.83863309	1.10	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.7060563
Co 230.786	Co	n	0.01020698	0.01020698	mg/L	736.26772197	0.00041531	4.06889396	26.98197812	3.66	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.08452914
Cr 267.716	Cr	n	0.02271598	0.02271598	mg/L	1427.55948027	0.00120413	5.30078993	77.47406602	5.43	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163
Cu 324.754	Cu	n	0.23123198	0.23123198	mg/L	14284.88570307	0.00453901	1.96296789	262.84246314	1.84	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.44830331
Fe 259.940	Fe	no	40.59888706	40.59888706	mg/L	2203684.18921485	0.90047719	2.21798491	48872.62257369	2.22	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.13720611
K 766.491	K-R	n	2.01580806	2.01580806	mg/L	1473.94598574	0.10994171	5.45397721	78.42901466	5.32	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.3690500888
Li 670.783	Li-R	n	0.00698498	0.00698498	mg/L	294.67427584	0.00065367	9.35817302	35.43763234	12.03	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	3.60150546	3.60150546	mg/L	2349.43594363	0.02055564	0.57075132	13.31824820	0.57	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.9121222585
Mn 257.610	Mn	n	0.27857404	0.27857404	mg/L	173216.62211011	0.00774650	2.78077042	4798.13734305	2.77	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.8671159
Mo 204.598	Mo	n	0.00628547	0.00628547	mg/L	124.62711937	0.00042254	6.72252355	7.85796878	6.31	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.88078804
Na 589.592	Na-R	n	1.80144653	1.80144653	mg/L	10190.23072290	0.00719204	0.39923712	40.16609326	0.39	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.795797185
Ni 231.604	Ni	n	0.04967828	0.04967828	mg/L	1357.54321458	0.00083847	1.68779099	22.64488576	1.67	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.53060476
P 177.434	P	n	1.86553347	1.86553347	mg/L	231.93462003	0.03350100	1.79578638	4.14538052	1.79		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.7390235934
Pb 220.353	Pb	n	2.80734121	2.80734121	mg/L	38813.70841910	0.03661709	1.30433345	505.67291247	1.30	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.75125029
S 181.972	S	n	3.74185742	3.74185742	mg/L	5787.18411241	0.01889291	0.50490729	28.12568125	0.49		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.689674812
Sb 206.834	Sb	nu	-0.01127170	-0.01127170	mg/L	-55.96264953	0.00208570	18.50384721	10.01355769	17.89	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.056895431
Se 196.026	Se	n	0.01624743	0.01624743	mg/L	96.37866905	0.00224988	13.84760762	10.56155520	10.96	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.274476536
Si 251.611	Si	n	2.93253159	2.93253159	mg/L	15494.99894575	0.04396982	1.49938110	230.92471701	1.49		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.890811980
Sn 189.925	Sn	n	0.05627710	0.05627710	mg/L	888.65302121	0.00134191	2.38447778	19.79424838	2.23	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.74821723
Sr 421.552	Sr-R	n	0.01831271	0.01831271	mg/L	5193.88606908	0.00010838	0.59181809	30.07114980	0.58	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.6517699
Ti 334.941	Ti	n	0.12450656	0.12450656	mg/L	37743.77902765	0.00414017	3.32526361	1252.81699358	3.32	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.2875935
Tl 190.794	Tl	nu	-0.00331034	-0.00331034	mg/L	-8.62699977	0.00114496	34.58724081	7.16542116	83.06	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.247417125
V 292.401	V	n	0.00580003	0.00580003	mg/L	168.46667932	0.00013087	2.25644610	5.55146736	3.30	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.20411745
Zn 206.200	Zn	n	20.08680850	20.08680850	mg/L	977436.32236338	0.49193862	2.44906314	23919.99547285	2.45	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.94277712
Y 371.029	Y		0.90	0.90	Ratio	206336.01	0.02	2.00	4125.69	2.00		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.91	0.91	Ratio	35118.51	0.00	0.35	124.16	0.35		-	-	-	Fitted	-	-

ENTHALPY SAMPLE USER REPORT FOR EPA 6010B

Inst:	MET12	Lab ID:	506868-022	Client ID:	AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-L-LA
Seqnum:	794164775151	Matrix:	Wipe	Acct:	RINCON-BERK (JG)
File:	icp data	Batch:	338528	Time:	23-APR-2024 18:17
Cal:	794164775001	Caldate:	23-APR-2024		
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	0.6710	34	0.50		!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	SAMPLE Abund	%Drift
Yttrium	A	228647	208708	-8.72

!=warning +=high bias <=opening a=ICSA u=use

Instrument ID: MET12

Label:	506868-022,338528	Rack:Tube:	2:55	Type:	Sample
Date Time:	4/23/2024 6:17:31 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficie
Ag 328.068	Ag	nu	-0.00002910	-0.00002910	mg/L	28.16213412	0.00021487	738.27664606	13.19049879	46.84		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.32072
Al 396.152	Al	n	1.68005371	1.68005371	mg/L	89462.13074076	0.03219881	1.91653449	1709.80690688	1.91	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.55779
As 188.980	As	n	0.05805102	0.05805102	mg/L	369.71507602	0.00209133	3.60257006	13.06211778	3.53	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.845994
B 249.678	B	n	0.02307854	0.02307854	mg/L	1135.23550581	0.00023930	1.03687635	11.11882621	0.98	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.75976
Ba 230.424	Ba	n	0.01060501	0.01060501	mg/L	2068.78308456	0.00020414	1.92496059	36.81521103	1.78	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.9910
Be 313.107	Be	nu	-0.00000476	-0.00000476	mg/L	7.74616362	0.00000483	101.44627817	7.90644041	> 100.00	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.160
Ca 317.933	Ca-R	n	7.99477281	7.99477281	mg/L	67444.96648379	0.04874966	0.60976921	405.15466632	0.60	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.922360
Cd 214.439	Cd	nu	-0.00042239	-0.00042239	mg/L	347.17318902	0.00002923	6.91926097	8.08269083	2.33	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.7060
Co 230.786	Co	n	0.01045985	0.01045985	mg/L	777.10012330	0.00042561	4.06900718	27.65119847	3.56	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.08452
Cr 267.716	Cr	n	0.03515713	0.03515713	mg/L	2227.20036251	0.00059719	1.69862841	38.42342573	1.73	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.47961
Cu 324.754	Cu	n	0.45661707	0.45661707	mg/L	27240.13835306	0.00926857	2.02983466	536.71932456	1.97	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.44830
Fe 259.940	Fe	no	78.30015951	78.30015951	mg/L	4249888.23287179	1.45010627	1.85198380	78703.26672454	1.85	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.13720
K 766.491	K-R	n	2.16746828	2.16746828	mg/L	1583.43315127	0.14766824	6.81293663	105.34195234	6.65	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.3690500
Li 670.783	Li-R	n	0.00769892	0.00769892	mg/L	301.70109735	0.00023336	3.03110345	12.65141458	4.19	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072
Mg 279.800	Mg-R	n	3.90673511	3.90673511	mg/L	2561.02814820	0.05903421	1.51108820	38.24898232	1.49	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.9121222
Mn 257.610	Mn	n	0.35844121	0.35844121	mg/L	222939.03755914	0.00575408	1.60530553	3564.03974062	1.60	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.8671
Mo 204.598	Mo	n	0.00284361	0.00284361	mg/L	60.22502491	0.00040492	14.23952145	7.53017171	12.50	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.88078
Na 589.592	Na-R	n	1.69082239	1.69082239	mg/L	9525.97868211	0.01439705	0.85148221	80.40459494	0.84	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.795797
Ni 231.604	Ni	n	0.13865438	0.13865438	mg/L	3771.98858247	0.00269054	1.94046552	72.66485083	1.93	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.53060
P 177.434	P	n	1.99471064	1.99471064	mg/L	247.86050821	0.03519945	1.76463946	4.35554569	1.76		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.7390235
Pb 220.353	Pb	n	0.67098238	0.67098238	mg/L	9321.35264729	0.00795674	1.18583450	109.88060727	1.18	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.75125
S 181.972	S	n	3.19151504	3.19151504	mg/L	4971.41188116	0.01024273	0.32093616	15.24824031	0.31		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.689674
Sb 206.834	Sb	n	0.00335872	0.00335872	mg/L	31.17302346	0.00033888	10.08960895	1.62698897	5.22	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.056895
Se 196.026	Se	n	0.01466171	0.01466171	mg/L	78.83390012	0.00071737	4.89282950	3.36754391	4.27	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.274476
Si 251.611	Si	n	3.71561824	3.71561824	mg/L	19605.90155326	0.02773559	0.74645955	145.66427585	0.74		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.890811
Sn 189.925	Sn	n	0.08195159	0.08195159	mg/L	1270.45295203	0.00163073	1.98987051	24.05449511	1.89	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.74821
Sr 421.552	Sr-R	n	0.01694476	0.01694476	mg/L	4813.53647338	0.00008682	0.51235732	24.08893642	0.50	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.6517
Ti 334.941	Ti	n	0.15573981	0.15573981	mg/L	47188.51659102	0.00811977	5.21367380	2457.04336956	5.21	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.2875
Tl 190.794	Tl	nu	-0.00355760	-0.00355760	mg/L	-11.04890886	0.00046007	12.93191798	2.87920601	26.06	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.247417
V 292.401	V	n	0.00753955	0.00753955	mg/L	189.46895199	0.00014518	1.92552070	6.15808670	3.25	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.20411
Zn 206.200	Zn	n	2.83987022	2.83987022	mg/L	139489.04776856	0.03285247	1.15683003	1597.41669365	1.15	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.94277
Y 371.029	Y		0.91	0.91	Ratio	208707.96	0.02	2.02	4207.93	2.02		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.92	0.92	Ratio	35303.64	0.01	0.67	237.85	0.67		-	-	-	Fitted	-	-

ENTHALPY BLANK USER REPORT FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12	Lab ID:	QC1147107		
Seqnum:	794164775125.2	Matrix:	Wipe		
File:	icp data	Batch:	338528	Time:	23-APR-2024 16:56
Cal:	794164775001	Caldate:	23-APR-2024		
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	0.0005524	ND	0.50	u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BLANK Abund	%Drift
Yttrium	A	228647	205296	-10.21

u=use

Instrument ID: MET12

Label:	BLANK,QC1147107,338528	**Rack:Tube:**	2:33	**Type:**	Sample
Date Time:	4/23/2024 4:56:25 PM	**Weight:**	1	**Volume:**	1
Dilution:	1	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00010701	-0.00010701	mg/L	26.19412603	0.00010023	93.66606037	6.15312413	23.49		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301
Al 396.152	Al	n	0.00875369	0.00875369	mg/L	684.39936773	0.00029429	3.36187959	15.62717361	2.28	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026
As 188.980	As	nu	0.00021904	0.00021904	mg/L	9.93924455	0.00094803	432.82085246	5.92127506	59.57	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899
B 249.678	B	n	0.00061021	0.00061021	mg/L	140.34896818	0.00020894	34.24078019	9.70840250	6.92	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364
Ba 230.424	Ba	nu	-0.00034827	-0.00034827	mg/L	92.50764052	0.00007530	21.62134266	13.57967833	14.68	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688
Be 313.107	Be	nu	0.00000969	0.00000969	mg/L	25.53260586	0.00001004	103.59005629	16.42325444	64.32	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717
Ca 317.933	Ca-R	n	0.02392642	0.02392642	mg/L	1214.21271118	0.00229785	9.60383689	19.09728708	1.57	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735
Cd 214.439	Cd	n	0.00007966	0.00007966	mg/L	55.64011759	0.00003336	41.87827951	9.22564033	16.58	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323
Co 230.786	Co	nu	0.00001475	0.00001475	mg/L	49.69330400	0.00026172	1774.67609380	17.00359202	34.22	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437
Cr 267.716	Cr	n	0.00021796	0.00021796	mg/L	-19.86978646	0.00009702	44.51434728	6.24244654	31.42	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824
Cu 324.754	Cu	n	0.00249115	0.00249115	mg/L	1130.37498264	0.00101232	40.63654118	58.62072852	5.19	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155
Fe 259.940	Fe	n	0.01369834	0.01369834	mg/L	951.37602152	0.00022519	1.64392442	12.22201049	1.28	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111
K 766.491	K-R	n	0.06427386	0.06427386	mg/L	80.31040951	0.03589059	55.84010743	25.60323859	31.88	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875
Li 670.783	Li-R	n	0.00359049	0.00359049	mg/L	144.15038345	0.00018785	5.23195225	10.18416728	7.06	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	0.01079934	0.01079934	mg/L	9.39175946	0.00498431	46.15381930	3.22939482	34.39	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587
Mn 257.610	Mn	n	0.00012418	0.00012418	mg/L	490.58332687	0.00006021	48.48224072	37.29145757	7.60	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923
Mo 204.598	Mo	n	0.00075320	0.00075320	mg/L	21.72399179	0.00032013	42.50320124	5.95349130	27.41	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482
Na 589.592	Na-R	nu	-0.00630576	-0.00630576	mg/L	146.25664707	0.00717161	113.73110789	40.05195584	27.38	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585
Ni 231.604	Ni	nu	-0.00038046	-0.00038046	mg/L	-5.70518250	0.00069467	182.58708803	18.76135898	> 100.00	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637
P 177.434	P	n	0.00588984	0.00588984	mg/L	1.87411798	0.00476619	80.92226185	0.58976420	31.47		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479
Pb 220.353	Pb	n	0.00055240	0.00055240	mg/L	45.14703497	0.00020562	37.22244908	2.83949587	6.29	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963
S 181.972	S	n	0.06311956	0.06311956	mg/L	305.31482575	0.02204886	34.93190019	32.82391028	10.75		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216
Sb 206.834	Sb	n	0.00212687	0.00212687	mg/L	-8.06182315	0.00071614	33.67095175	3.43821529	42.65	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106
Se 196.026	Se	n	0.00088097	0.00088097	mg/L	34.47845687	0.00105592	119.85866927	4.95675746	14.38	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361
Si 251.611	Si	n	0.05217148	0.05217148	mg/L	369.10034177	0.01344519	25.77115528	70.61268384	19.13		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026
Sn 189.925	Sn	n	0.02508738	0.02508738	mg/L	425.38569810	0.00025326	1.00951549	3.73578934	0.88	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375
Sr 421.552	Sr-R	nu	-0.00003242	-0.00003242	mg/L	70.18251864	0.00004820	148.68280888	13.37295139	19.05	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974
Ti 334.941	Ti	n	0.00094017	0.00094017	mg/L	356.61201627	0.00022826	24.27891263	69.07274066	19.37	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525
Tl 190.794	Tl	nu	-0.00217978	-0.00217978	mg/L	-0.59050954	0.00019580	8.98271965	1.22538966	> 100.00	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548
V 292.401	V	nu	-0.00000095	-0.00000095	mg/L	-27.79000414	0.00015289	16179.14743905	6.48549251	23.34	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533
Zn 206.200	Zn	n	0.00248639	0.00248639	mg/L	201.84747107	0.00004175	1.67920570	2.03012741	1.01	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274
Y 371.029	Y		0.90	0.90	Ratio	205295.70	0.04	4.07	8365.69	4.07		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.92	0.92	Ratio	35454.69	0.01	0.65	229.07	0.65		-	-	-	Fitted	-	-

ENTHALPY SPIKE USER REPORT FOR 506868 METALS Wipe

EPA 6010B

Type:	BS	Type:	BSD
Inst:	MET12	Inst:	MET12
Seqnum:	794164775126.2	Seqnum:	794164775127.2
File:	icp data	File:	icp data
IDF:	1.0	IDF:	1.0
Lab ID:	QC1147108	Lab ID:	QC1147109
Matrix:	Wipe	Matrix:	Wipe
Batch:	338528	Batch:	338528
Time:	23-APR-2024 16:59	Time:	23-APR-2024 17:02
Cal:	794164775001	Cal:	794164775001
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	2.142	107.1	A	107	2.193	109.7	A	110	80-120	2	20	!<a+ u

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BS Abund	%Drift
Yttrium	A	228647	206174	-9.83

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	BSD Abund	%Drift
Yttrium	A	228647	206871	-9.52

!=warning +=high bias <=opening a=ICSA u=use

Instrument ID: MET12

Label:	BS,QC1147108,338528	Rack:Tube:	2:34	Type:	Sample
Date Time:	4/23/2024 4:59:33 PM	Weight:	1	Volume:	1
Dilution:	1	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3	Flags Replicate 1:		Flags Replicate 2:	
Flags Replicate 3:					

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.98720547	0.98720547	mg/L	60636.08151146	0.00295631	0.29946240	181.48285778	0.30		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.32072743(
Al 396.152	Al	n	1.99627676	1.99627676	mg/L	106232.77346527	0.03488992	1.74774960	1852.70904880	1.74	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.557796102
As 188.980	As	n	2.00476978	2.00476978	mg/L	12530.04469971	0.00668050	0.33323047	41.72539701	0.33	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.845994688
B 249.678	B	n	1.96068116	1.96068116	mg/L	91214.39964552	0.01454299	0.74173146	675.73649131	0.74	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.759768136
Ba 230.424	Ba	n	2.10007951	2.10007951	mg/L	378887.06804902	0.03873422	1.84441702	6985.36832454	1.84	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.9910546
Be 313.107	Be	n	2.09325047	2.09325047	mg/L	3425330.06855957	0.03872170	1.84983613	63362.80789358	1.85	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.160187
Ca 317.933	Ca-R	n	2.17258472	2.17258472	mg/L	19070.39420608	0.01508574	0.69436841	125.37642960	0.66	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.922360567
Cd 214.439	Cd	n	2.01039917	2.01039917	mg/L	556033.59991395	0.02709124	1.34755507	7492.26296568	1.35	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056
Co 230.786	Co	n	2.19569713	2.19569713	mg/L	142700.29273234	0.03231476	1.47173103	2099.42779907	1.47	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.084529143
Cr 267.716	Cr	n	2.07708579	2.07708579	mg/L	133606.94907283	0.03340421	1.60822501	2149.24309462	1.61	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.479616382
Cu 324.754	Cu	n	2.13966030	2.13966030	mg/L	124885.92751260	0.02405740	1.12435597	1393.10255066	1.12	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.448303315
Fe 259.940	Fe	n	2.06961800	2.06961800	mg/L	112537.89239758	0.02456065	1.18672372	1333.00796705	1.18	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.137206111
K 766.491	K-R	n	19.85743238	19.85743238	mg/L	14199.89153372	0.03243533	0.16334099	23.13835786	0.16	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.3690500888
Li 670.783	Li-R	n	2.14577609	2.14577609	mg/L	116277.45854871	0.01459217	0.68004144	791.09389155	0.68	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	2.06581172	2.06581172	mg/L	1341.55714779	0.01482527	0.71764850	9.60547010	0.72	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122585
Mn 257.610	Mn	n	1.60413819	1.60413819	mg/L	994023.11849058	0.02814516	1.75453443	17432.93748032	1.75	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115
Mo 204.598	Mo	n	2.16754755	2.16754755	mg/L	40317.94537255	0.03378766	1.55879692	628.34516756	1.56	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.880788048
Na 589.592	Na-R	n	25.01857868	25.01857868	mg/L	139899.90619427	0.17369621	0.69426889	970.05786091	0.69	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.795797185
Ni 231.604	Ni	n	2.10559957	2.10559957	mg/L	56872.21714655	0.02812662	1.33580082	759.63045063	1.34	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.530604763
P 177.434	P	n	0.03016027	0.03016027	mg/L	4.87803038	0.01767959	58.61881262	2.18765554	44.85		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593
Pb 220.353	Pb	n	2.14230779	2.14230779	mg/L	29617.05724884	0.01160744	0.54181928	160.29581157	0.54	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.751250296
S 181.972	S	n	0.02885180	0.02885180	mg/L	255.71073742	0.00643135	22.29098811	9.57428774	3.74		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.689674812
Sb 206.834	Sb	n	2.03596279	2.03596279	mg/L	9757.21378003	0.01534758	0.75382425	73.68461095	0.76	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.056895431(
Se 196.026	Se	n	1.84043883	1.84043883	mg/L	8669.25266890	0.00243779	0.13245716	11.44366953	0.13	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.274476536
Si 251.611	Si	n	9.30674018	9.30674018	mg/L	48973.21902888	0.01073593	0.11535652	56.38394099	0.12		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.890811980
Sn 189.925	Sn	n	0.02464919	0.02464919	mg/L	419.10882138	0.00012974	0.52634432	1.91375606	0.46	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.748217237
Sr 421.552	Sr-R	n	2.13533294	2.13533294	mg/L	592567.76356542	0.02105774	0.98615745	5842.80088678	0.99	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769
Ti 334.941	Ti	n	2.09042930	2.09042930	mg/L	632636.58731177	0.08391737	4.01436046	25393.41952226	4.01	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593
Tl 190.794	Tl	n	2.16735858	2.16735858	mg/L	13576.85523842	0.01084944	0.50058335	67.89845570	0.50	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.247417125
V 292.401	V	n	2.12080054	2.12080054	mg/L	89930.68788916	0.03356600	1.58270409	1423.80930365	1.58	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.204117453
Zn 206.200	Zn	n	1.99221592	1.99221592	mg/L	96984.01881956	0.00345115	0.17323186	167.80865231	0.17	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.942777127
Y 371.029	Y		0.90	0.90	Ratio	206174.15	0.03	3.22	6647.80	3.22		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.92	0.92	Ratio	35270.22	0.01	0.81	285.25	0.81		-	-	-	Fitted	-	-

Instrument ID: MET12

Label:	BSD,QC1147109,338528	**Rack:Tube:**	2:35	**Type:**	Sample
Date Time:	4/23/2024 5:02:40 PM	**Weight:**	1	**Volume:**	1
Dilution:	1	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3	**Flags Replicate 1:**		**Flags Replicate 2:**	

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coeffic
Ag 328.068	Ag	n	1.00513337	1.00513337	mg/L	61736.65063522	0.00271280	0.26989431	166.53410273	0.27		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207
Al 396.152	Al	n	2.03931851	2.03931851	mg/L	108518.46245193	0.03446174	1.68986543	1829.97199574	1.69	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577
As 188.980	As	n	2.05223499	2.05223499	mg/L	12826.50412798	0.00716735	0.34924626	44.76618831	0.35	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599
B 249.678	B	n	1.99939857	1.99939857	mg/L	93013.36388635	0.01312492	0.65644344	609.84628940	0.66	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597
Ba 230.424	Ba	n	2.14291907	2.14291907	mg/L	386612.82225250	0.03649917	1.70324522	6582.29588567	1.70	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991
Be 313.107	Be	n	2.14166832	2.14166832	mg/L	3504559.31910412	0.02879519	1.34452158	47119.42158695	1.34	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16
Ca 317.933	Ca-R	n	2.22497713	2.22497713	mg/L	19505.79419933	0.00120334	0.05408317	10.00084921	0.05	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236
Cd 214.439	Cd	n	2.05556960	2.05556960	mg/L	568526.20902621	0.04855031	2.36189069	13426.91301068	2.36	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706
Co 230.786	Co	n	2.25098813	2.25098813	mg/L	146292.49237384	0.02944264	1.30798730	1912.83184881	1.31	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845
Cr 267.716	Cr	n	2.12641643	2.12641643	mg/L	136780.90692843	0.03409348	1.60333029	2193.59076426	1.60	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796
Cu 324.754	Cu	n	2.19230510	2.19230510	mg/L	127934.31015784	0.02435428	1.11089828	1410.29419160	1.10	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483
Fe 259.940	Fe	n	2.16437707	2.16437707	mg/L	117680.91926230	0.02231091	1.03082340	1210.90514298	1.03	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372
K 766.491	K-R	n	20.21052396	20.21052396	mg/L	14451.77181026	0.02167511	0.10724665	15.46235222	0.11	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050
Li 670.783	Li-R	n	2.19960418	2.19960418	mg/L	119195.59951002	0.00331073	0.15051484	179.48663680	0.15	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.6007
Mg 279.800	Mg-R	n	2.10308871	2.10308871	mg/L	1365.73661001	0.00626483	0.29788728	4.05906172	0.30	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122
Mn 257.610	Mn	n	1.64195417	1.64195417	mg/L	1017446.66461446	0.02832086	1.72482620	17541.76426768	1.72	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867
Mo 204.598	Mo	n	2.23425043	2.23425043	mg/L	41558.42260533	0.02988098	1.33740508	555.69299896	1.34	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807
Na 589.592	Na-R	n	25.54388857	25.54388857	mg/L	142833.51111609	0.03224580	0.12623686	180.08622275	0.13	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579
Ni 231.604	Ni	n	2.16004619	2.16004619	mg/L	58342.70893607	0.02762484	1.27890032	746.07865094	1.28	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306
P 177.434	P	nu	-0.00096958	-0.00096958	mg/L	1.02600532	0.01394062	1437.79909537	1.72499849	> 100.00		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023
Pb 220.353	Pb	n	2.19336872	2.19336872	mg/L	30322.10079460	0.00793042	0.36156324	109.51706011	0.36	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512
S 181.972	S	n	0.02162031	0.02162031	mg/L	244.97542490	0.00516742	23.90077945	7.69268894	3.14		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967
Sb 206.834	Sb	n	2.07828342	2.07828342	mg/L	9960.42820048	0.01506407	0.72483243	72.32346747	0.73	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689
Se 196.026	Se	n	1.87951162	1.87951162	mg/L	8852.64942919	0.00443670	0.23605626	20.82711046	0.24	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.27447
Si 251.611	Si	n	9.86273319	9.86273319	mg/L	51893.23435806	0.08039872	0.81517687	422.24529505	0.81		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081
Sn 189.925	Sn	n	0.02589266	0.02589266	mg/L	437.45753477	0.00009545	0.36863047	1.40793301	0.32	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482
Sr 421.552	Sr-R	n	2.17150584	2.17150584	mg/L	602604.60271256	0.03293676	1.51677049	9138.81953059	1.52	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651
Ti 334.941	Ti	n	2.15794676	2.15794676	mg/L	653067.37983673	0.08656378	4.01139554	26194.22477088	4.01	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287
Tl 190.794	Tl	n	2.21809984	2.21809984	mg/L	13894.40462746	0.01087493	0.49028120	68.05798129	0.49	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741
V 292.401	V	n	2.17095638	2.17095638	mg/L	92058.11346022	0.03535276	1.62844152	1499.60037932	1.63	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041
Zn 206.200	Zn	n	2.06608748	2.06608748	mg/L	100577.25891603	0.00576067	0.27882047	280.10672188	0.28	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427
Y 371.029	Y		0.90	0.90	Ratio	206870.65	0.03	2.91	6019.77	2.91		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.92	0.92	Ratio	35391.92	0.00	0.52	184.28	0.52		-	-	-	Fitted	-	-

ENTHALPY INITIAL CALIBRATION FOR 506868 METALS Wipe: EPA 6010B

Instrument:	MET12		
Calibration #:	794164775001	Date:	23-APR-2024 10:15
Units:	mg/L	X Axis:	R

Level	File	Seqnum	Sample ID	Analyzed	Standards
L1	icp data	794164775002	L1	23-APR-2024 10:18	S19988
L2	icp data	794164775003	L2	23-APR-2024 10:21	S19987
L3	icp data	794164775004	L3	23-APR-2024 10:24	S19986
L4	icp data	794164775005	L4	23-APR-2024 10:28	S19985
L5	icp data	794164775006	L5	23-APR-2024 10:31	S19984
L6	icp data	794164775007	L6	23-APR-2024 10:34	S19983

Analyte	Ch	Type	a0	a1	a2	Avg RF	r^2	%RSD	n	Min r^2	Flags
Lead	A	WB1K	-0.0019	7.52E-5		16369	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	23436	18339	15341	14240	13641	13215

Spiked Amounts / Drifts	Ch	L1	%D	L2	%D	L3	%D	L4	%D	L5	%D	L6	%D
Lead	A	0.0033	21	0.0100	19	0.1000	13	1.0000	7	5.0000	2	10.000	-1

ENTHALPY 2ND SOURCE CALIBRATION SUMMARY FOR 506868 METALS Wipe
EPA 6010B

Inst:	MET12		
Calnum:	794164775001	Cal Date:	23-APR-2024

- ICV 794164775010 (23-APR-2024) stds: S20478

Analyte	Ch	Spiked	Quant	Units	%D	Max	Flags
Lead	A	1.000	1.018	mg/L	2	10	

Instrument ID: MET12

Label:	ICALBLK	**Rack:Tube:**	S1:1	**Type:**	BLK
Date Time:	4/23/2024 10:15:32 AM	**Weight:**	-	**Volume:**	-
Dilution:	-	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3	**Flags Replicate 1:**		**Flags Replicate 2:**	
Flags Replicate 3:					

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1
Ag 328.068	Ag	n	0.00000000	0.00000000	mg/L	32.76481893	-	-	3.50768254	10.71		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301	0.000000
Al 396.152	Al	n	0.00000000	0.00000000	mg/L	146.60158983	-	-	33.00975509	22.52	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026	0.000000
As 188.980	As	n	0.00000000	0.00000000	mg/L	12.00323303	-	-	8.01822614	66.80	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899	0.000000
B 249.678	B	n	0.00000000	0.00000000	mg/L	111.18978784	-	-	2.72153968	2.45	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364	0.000000
Ba 230.424	Ba	n	0.00000000	0.00000000	mg/L	46.50880580	-	-	12.10793522	26.03	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688	0.000000
Be 313.107	Be	n	0.00000000	0.00000000	mg/L	10.59122811	-	-	2.75080550	25.97	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717	0.000000
Ca 317.933	Ca-R	n	0.00000000	0.00000000	mg/L	949.78206125	-	-	10.15982556	1.07	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735	0.000000
Cd 214.439	Cd	n	0.00000000	0.00000000	mg/L	20.80525872	-	-	3.81339627	18.33	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323	0.000000
Co 230.786	Co	n	0.00000000	0.00000000	mg/L	35.46096651	-	-	8.27574252	23.34	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437	0.000000
Cr 267.716	Cr	n	0.00000000	0.00000000	mg/L	-36.41341473	-	-	4.77977086	13.13	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824	0.000000
Cu 324.754	Cu	n	0.00000000	0.00000000	mg/L	973.01967192	-	-	27.72851049	2.85	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155	0.000000
Fe 259.940	Fe	n	0.00000000	0.00000000	mg/L	32.08748422	-	-	8.40114483	26.18	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111	0.000000
K 766.491	K-R	n	0.00000000	0.00000000	mg/L	77.65828441	-	-	25.15789753	32.40	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875	0.000000
Li 670.783	Li-R	n	0.00000000	0.00000000	mg/L	0.00000000	-	-	11.46367408	> 100.00	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536	0.000000
Mg 279.800	Mg-R	n	0.00000000	0.00000000	mg/L	2.51545488	-	-	0.72697297	28.90	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587	0.000000
Mn 257.610	Mn	n	0.00000000	0.00000000	mg/L	152.80827703	-	-	5.59195752	3.66	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923	0.000000
Mo 204.598	Mo	n	0.00000000	0.00000000	mg/L	8.10315897	-	-	3.81076741	47.03	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482	0.000000
Na 589.592	Na-R	n	0.00000000	0.00000000	mg/L	111.70970366	-	-	33.03281551	29.57	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585	0.000000
Ni 231.604	Ni	n	0.00000000	0.00000000	mg/L	-10.82250671	-	-	8.41631849	77.77	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637	0.000000
P 177.434	P	n	0.00000000	0.00000000	mg/L	1.14533138	-	-	0.96275320	84.06		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479	0.000000
Pb 220.353	Pb	n	0.00000000	0.00000000	mg/L	22.79299702	-	-	10.86896243	47.69	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963	0.000000
S 181.972	S	n	0.00000000	0.00000000	mg/L	211.34654133	-	-	3.36736372	1.59		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216	0.000000
Sb 206.834	Sb	n	0.00000000	0.00000000	mg/L	-24.39054690	-	-	7.83108005	32.11	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106	0.000000
Se 196.026	Se	n	0.00000000	0.00000000	mg/L	24.54617076	-	-	3.30604403	13.47	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361	0.000000
Si 251.611	Si	n	0.00000000	0.00000000	mg/L	95.10162940	-	-	16.03787407	16.86		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026	0.000000
Sn 189.925	Sn	n	0.00000000	0.00000000	mg/L	22.20631639	-	-	8.50665672	38.31	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375	0.000000
Sr 421.552	Sr-R	n	0.00000000	0.00000000	mg/L	57.03020823	-	-	25.59383925	44.88	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974	0.000000
Ti 334.941	Ti	n	0.00000000	0.00000000	mg/L	58.07465318	-	-	12.73944779	21.94	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525	0.000000
Tl 190.794	Tl	n	0.00000000	0.00000000	mg/L	5.63615822	-	-	3.32491732	58.99	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548	0.000000
V 292.401	V	n	0.00000000	0.00000000	mg/L	-34.21015463	-	-	8.56136714	25.03	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533	0.000000
Zn 206.200	Zn	n	0.00000000	0.00000000	mg/L	48.26273503	-	-	4.08424694	8.46	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274	0.000000
Y 371.029	Y		1.00	1.00	Ratio	228646.64	0.00	0.00	2438.63	1.07		-	-	-	Fitted	-	-	1.00
Y 371.029	Y-R		1.00	1.00	Ratio	38510.61	0.00	0.00	602.61	1.56		-	-	-	Fitted	-	-	1.00

Instrument ID: MET12

Label:	ICAL,L1,S19988	**Rack:Tube:**	S1:2	**Type:**	STD
Date Time:	4/23/2024 10:18:39 AM	**Weight:**	-	**Volume:**	-
Dilution:	-	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3	**Flags Replicate 1:**		**Flags Replicate 2:**	
Flags Replicate 3:					

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentration Replicate 1
Ag 328.068	Ag	n			mg/L	39.65559946	-	-	4.81705159	12.15		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301	
Al 396.152	Al	n	0.00666667	0.00666667	mg/L	562.64479711	-	-	8.92170795	1.59	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026	0.00666667
As 188.980	As	n	0.00333333	0.00333333	mg/L	30.50203063	-	-	2.24659177	7.37	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899	0.00333333
B 249.678	B	n	0.00333333	0.00333333	mg/L	264.39621319	-	-	16.05017157	6.07	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364	0.00333333
Ba 230.424	Ba	n	0.00333333	0.00333333	mg/L	720.60020880	-	-	5.93103552	0.82	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688	0.00333333
Be 313.107	Be	n	0.00100000	0.00100000	mg/L	1629.12816967	-	-	11.30324771	0.69	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717	0.00100000
Ca 317.933	Ca-R	n	0.03333333	0.03333333	mg/L	1311.00787063	-	-	28.45187879	2.17	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735	0.03333333
Cd 214.439	Cd	n	0.00166667	0.00166667	mg/L	513.17979603	-	-	6.24121272	1.22	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323	0.00166667
Co 230.786	Co	n	0.00166667	0.00166667	mg/L	161.37941038	-	-	8.10211951	5.02	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437	0.00166667
Cr 267.716	Cr	n	0.00333333	0.00333333	mg/L	176.71202968	-	-	3.02348743	1.71	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824	0.00333333
Cu 324.754	Cu	n	0.00333333	0.00333333	mg/L	1181.10321534	-	-	11.36743623	0.96	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155	0.00333333
Fe 259.940	Fe	n	0.00666667	0.00666667	mg/L	527.44187501	-	-	8.47844981	1.61	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111	0.00666667
K 766.491	K-R	n	0.06666667	0.06666667	mg/L	93.37417171	-	-	4.60201774	4.93	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875	0.06666667
Li 670.783	Li-R	n	0.00333333	0.00333333	mg/L	183.87888314	-	-	42.53905545	23.13	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536	0.00333333
Mg 279.800	Mg-R	n	0.03333333	0.03333333	mg/L	22.34930146	-	-	1.37086836	6.13	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587	0.03333333
Mn 257.610	Mn	n	0.00333333	0.00333333	mg/L	2507.08954212	-	-	4.15263924	0.17	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923	0.00333333
Mo 204.598	Mo	n	0.00333333	0.00333333	mg/L	74.39558549	-	-	8.52623394	11.46	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482	0.00333333
Na 589.592	Na-R	n	0.06666667	0.06666667	mg/L	515.34254953	-	-	48.32730916	9.38	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585	0.06666667
Ni 231.604	Ni	n	0.00333333	0.00333333	mg/L	88.26269610	-	-	3.85068095	4.36	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637	0.00333333
P 177.434	P	n			mg/L	0.63439233	-	-	0.26784804	42.22		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479	
Pb 220.353	Pb	n	0.00333333	0.00333333	mg/L	78.12039095	-	-	1.99514308	2.55	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963	0.00333333
S 181.972	S	n			mg/L	205.05637463	-	-	3.31358317	1.62		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216	
Sb 206.834	Sb	n	0.01000010	0.01000010	mg/L	31.32714646	-	-	2.02990724	6.48	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106	0.01000010
Se 196.026	Se	n	0.01000001	0.01000001	mg/L	75.81776291	-	-	6.22170913	8.21	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361	0.01000001
Si 251.611	Si	n			mg/L	73.56186796	-	-	3.63886345	4.95		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026	
Sn 189.925	Sn	n	0.00333333	0.00333333	mg/L	77.44396758	-	-	4.72499870	6.10	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375	0.00333333
Sr 421.552	Sr-R	n	0.01666667	0.01666667	mg/L	4753.98784840	-	-	93.59281560	1.97	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974	0.01666667
Ti 334.941	Ti	n	0.00333333	0.00333333	mg/L	1088.67606015	-	-	9.18653287	0.84	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525	0.00333333
Tl 190.794	Tl	n	0.01000010	0.01000010	mg/L	67.50258596	-	-	4.59800297	6.81	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548	0.01000010
V 292.401	V	n	0.00166667	0.00166667	mg/L	42.20782447	-	-	9.26123484	21.94	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533	0.00166667
Zn 206.200	Zn	n	0.01000010	0.01000010	mg/L	589.66738100	-	-	5.00656078	0.85	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274	0.01000010
Y 371.029	Y		1.00	1.00	Ratio	228686.33	0.01	0.96	2206.42	0.96		-	-	-	Fitted	-	-	0.99
Y 371.029	Y-R		1.00	1.00	Ratio	38487.24	0.02	2.39	919.63	2.39		-	-	-	Fitted	-	-	1.00

Instrument ID: MET12

Label: ICAL,L2,S19987 | **Rack:Tube:** S1:3 | **Type:** STD

Date Time: 4/23/2024 10:21:46 AM | **Weight:** - | **Volume:** -

Dilution: - | **%RSE limit:** - | **Calibration Coefficient [3]:** -

LIMS ID: | **Customer:** | **Customer Ref.:**

Sample Date Time: | **Sample Site:** | **Description:**

Replicates: 3 | **Flags Replicate 1:** | **Flags Replicate 2:**

Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentra Replicate
Ag 328.068	Ag	n			mg/L	47.11483585	-	-	4.49040260	9.53		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301	
Al 396.152	Al	n	0.02000000	0.02000000	mg/L	1411.30440165	-	-	24.09998351	1.71	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026	0.0200
As 188.980	As	n	0.01000000	0.01000000	mg/L	69.04036824	-	-	5.74713421	8.32	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899	0.0100
B 249.678	B	n	0.01000000	0.01000000	mg/L	588.78466979	-	-	7.49180689	1.27	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364	0.0100
Ba 230.424	Ba	n	0.01000000	0.01000000	mg/L	2046.44169376	-	-	7.03741399	0.34	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688	0.0100
Be 313.107	Be	n	0.00300000	0.00300000	mg/L	4924.35933896	-	-	29.08381178	0.59	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717	0.0030
Ca 317.933	Ca-R	n	0.10000000	0.10000000	mg/L	2236.13608514	-	-	26.39293184	1.18	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735	0.1000
Cd 214.439	Cd	n	0.00500000	0.00500000	mg/L	1466.91754040	-	-	13.08363908	0.89	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323	0.0050
Co 230.786	Co	n	0.00500000	0.00500000	mg/L	372.29368511	-	-	13.52732180	3.63	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437	0.0050
Cr 267.716	Cr	n	0.01000000	0.01000000	mg/L	626.31869906	-	-	5.84531776	0.93	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824	0.0100
Cu 324.754	Cu	n	0.01000000	0.01000000	mg/L	1581.52793019	-	-	15.33884637	0.97	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155	0.0100
Fe 259.940	Fe	n	0.02000000	0.02000000	mg/L	1671.32830337	-	-	11.11503846	0.67	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111	0.0200
K 766.491	K-R	n	0.20000000	0.20000000	mg/L	37.36740189	-	-	47.72479471	> 100.00	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875	0.2000
Li 670.783	Li-R	n	0.01000000	0.01000000	mg/L	490.06633762	-	-	2.43597491	0.50	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536	0.0100
Mg 279.800	Mg-R	n	0.10000000	0.10000000	mg/L	68.63381433	-	-	4.30574940	6.27	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587	0.1000
Mn 257.610	Mn	n	0.01000000	0.01000000	mg/L	8607.17562090	-	-	17.18643265	0.20	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923	0.0100
Mo 204.598	Mo	n	0.01000000	0.01000000	mg/L	190.21399364	-	-	15.01756010	7.90	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482	0.0100
Na 589.592	Na-R	n	0.20000000	0.20000000	mg/L	1410.05447027	-	-	36.89103698	2.62	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585	0.2000
Ni 231.604	Ni	n	0.01000000	0.01000000	mg/L	280.40786502	-	-	8.52618406	3.04	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637	0.0100
P 177.434	P	n			mg/L	0.89638280	-	-	0.62328455	69.53		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479	
Pb 220.353	Pb	n	0.01000000	0.01000000	mg/L	183.38680920	-	-	12.09842441	6.60	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963	0.0100
S 181.972	S	n			mg/L	243.16644885	-	-	4.94425954	2.03		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216	
Sb 206.834	Sb	n	0.03000030	0.03000030	mg/L	118.96968600	-	-	3.44752569	2.90	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106	0.0300
Se 196.026	Se	n	0.03000003	0.03000003	mg/L	180.54445746	-	-	7.27913959	4.03	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361	0.0300
Si 251.611	Si	n			mg/L	74.41742896	-	-	2.81731911	3.79		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026	
Sn 189.925	Sn	n	0.01000000	0.01000000	mg/L	178.78846138	-	-	6.07894210	3.40	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375	0.0100
Sr 421.552	Sr-R	n	0.05000000	0.05000000	mg/L	14000.39343177	-	-	73.52917143	0.53	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974	0.0500
Ti 334.941	Ti	n	0.01000000	0.01000000	mg/L	3090.59045111	-	-	32.92030547	1.07	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525	0.0100
Tl 190.794	Tl	n	0.03000030	0.03000030	mg/L	202.74289090	-	-	1.74218356	0.86	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548	0.0300
V 292.401	V	n	0.00500000	0.00500000	mg/L	186.98761204	-	-	4.63637653	2.48	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533	0.0050
Zn 206.200	Zn	n	0.03000030	0.03000030	mg/L	1649.57719674	-	-	10.93946572	0.66	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274	0.0300
Y 371.029	Y		1.00	1.00	Ratio	229521.92	0.01	0.62	1417.70	0.62		-	-	-	Fitted	-	-	1.00
Y 371.029	Y-R		1.00	1.00	Ratio	38698.07	0.01	0.79	306.79	0.79		-	-	-	Fitted	-	-	1.01

Instrument ID: MET12

Label:	ICAL,L3,S19986	**Rack:Tube:**	S1:4	**Type:**	STD
Date Time:	4/23/2024 10:24:53 AM	**Weight:**	-	**Volume:**	-
Dilution:	-	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3	**Flags Replicate 1:**		**Flags Replicate 2:**	
Flags Replicate 3:					

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concentrati Replicate 1
Ag 328.068	Ag	n			mg/L	34.46774597	-	-	7.56099776	21.94		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301	
Al 396.152	Al	n	0.20000000	0.20000000	mg/L	10706.44733445	-	-	92.05635264	0.86	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026	0.20000
As 188.980	As	n	0.10000000	0.10000000	mg/L	631.49391896	-	-	5.40574784	0.86	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899	0.10000
B 249.678	B	n	0.10000000	0.10000000	mg/L	4658.42019985	-	-	32.71632172	0.70	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364	0.10000
Ba 230.424	Ba	n	0.10000000	0.10000000	mg/L	18147.73200394	-	-	102.23019388	0.56	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688	0.10000
Be 313.107	Be	n	0.03000000	0.03000000	mg/L	50059.91616366	-	-	459.22886921	0.92	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717	0.03000
Ca 317.933	Ca-R	n	1.00000000	1.00000000	mg/L	9814.38675938	-	-	212.93645201	2.17	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735	1.00000
Cd 214.439	Cd	n	0.05000000	0.05000000	mg/L	14475.18322614	-	-	77.57489063	0.54	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323	0.05000
Co 230.786	Co	n	0.05000000	0.05000000	mg/L	3414.08993689	-	-	30.98962795	0.91	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437	0.05000
Cr 267.716	Cr	n	0.10000000	0.10000000	mg/L	6571.71128396	-	-	65.14161821	0.99	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824	0.10000
Cu 324.754	Cu	n	0.10000000	0.10000000	mg/L	6712.40243646	-	-	30.38562562	0.45	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155	0.10000
Fe 259.940	Fe	n	0.20000000	0.20000000	mg/L	11235.06733706	-	-	74.64847913	0.66	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111	0.20000
K 766.491	K-R	n	2.00000000	2.00000000	mg/L	1079.62184683	-	-	36.18367815	3.35	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875	2.00000
Li 670.783	Li-R	n	0.10000000	0.10000000	mg/L	5339.28380241	-	-	16.44644224	0.31	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536	0.10000
Mg 279.800	Mg-R	n	1.00000000	1.00000000	mg/L	688.73092557	-	-	11.78516116	1.71	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587	1.00000
Mn 257.610	Mn	n	0.10000000	0.10000000	mg/L	49277.32755306	-	-	408.48767549	0.83	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923	0.10000
Mo 204.598	Mo	n	0.10000000	0.10000000	mg/L	1846.22400289	-	-	15.96100470	0.86	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482	0.10000
Na 589.592	Na-R	n	2.00000000	2.00000000	mg/L	11179.70689151	-	-	267.09346349	2.39	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585	2.00000
Ni 231.604	Ni	n	0.10000000	0.10000000	mg/L	2837.70503740	-	-	15.57929868	0.55	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637	0.10000
P 177.434	P	n			mg/L	1.43186213	-	-	0.38988494	27.23		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479	
Pb 220.353	Pb	n	0.10000000	0.10000000	mg/L	1534.06065654	-	-	9.31471315	0.61	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963	0.10000
S 181.972	S	n			mg/L	203.35644264	-	-	3.60453182	1.77		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216	
Sb 206.834	Sb	n	0.30000300	0.30000300	mg/L	1427.78224296	-	-	4.56324504	0.32	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106	0.30000
Se 196.026	Se	n	0.30000030	0.30000030	mg/L	1497.34262732	-	-	13.46002870	0.90	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361	0.30000
Si 251.611	Si	n			mg/L	85.56754765	-	-	1.54739318	1.81		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026	
Sn 189.925	Sn	n	0.10000000	0.10000000	mg/L	1551.29009069	-	-	2.96374700	0.19	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375	0.10000
Sr 421.552	Sr-R	n	0.50000000	0.50000000	mg/L	139364.15602254	-	-	167.52394225	0.12	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974	0.50000
Ti 334.941	Ti	n	0.10000000	0.10000000	mg/L	30300.55645907	-	-	299.19168794	0.99	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525	0.10000
Tl 190.794	Tl	n	0.30000300	0.30000300	mg/L	2027.06634430	-	-	18.84444043	0.93	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548	0.30000
V 292.401	V	n	0.05000000	0.05000000	mg/L	2083.72912121	-	-	17.74872285	0.85	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533	0.05000
Zn 206.200	Zn	n	0.30000300	0.30000300	mg/L	15153.82647866	-	-	61.37692319	0.41	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274	0.30000
Y 371.029	Y		1.00	1.00	Ratio	227758.82	0.01	0.66	1503.95	0.66		-	-	-	Fitted	-	-	0.99
Y 371.029	Y-R		0.98	0.98	Ratio	37906.55	0.02	1.70	643.36	1.70		-	-	-	Fitted	-	-	0.97

Instrument ID: MET12

Label: ICAL,L4,S19985 | Rack:Tube: S1:5 | Type: STD
Date Time: 4/23/2024 10:28:01 AM | Weight: - | Volume: -
Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -
LIMS ID: | Customer: | Customer Ref.:
Sample Date Time: | Sample Site: | Description:
Replicates: 3 | Flags Replicate 1: | Flags Replicate 2:
Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Cor Rep
Ag 328.068	Ag	n			mg/L	26.09775766	-	-	4.15176479	15.91		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301	
Al 396.152	Al	n	2.00000000	2.00000000	mg/L	103779.77388784	-	-	979.42075837	0.94	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026	2.0
As 188.980	As	n	1.00000000	1.00000000	mg/L	6236.49876709	-	-	9.41334155	0.15	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899	1.0
B 249.678	B	n	1.00000000	1.00000000	mg/L	46378.94049168	-	-	207.25175745	0.45	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364	1.0
Ba 230.424	Ba	n	1.00000000	1.00000000	mg/L	175676.59827361	-	-	1020.65951887	0.58	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688	1.0
Be 313.107	Be	n	0.30000000	0.30000000	mg/L	499536.33971781	-	-	4185.83423458	0.84	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717	0.3
Ca 317.933	Ca-R	n	10.00000000	10.00000000	mg/L	86526.11635376	-	-	226.77139454	0.26	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735	10
Cd 214.439	Cd	n	0.50000000	0.50000000	mg/L	137550.17615358	-	-	960.17918072	0.70	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323	0.5
Co 230.786	Co	n	0.50000000	0.50000000	mg/L	33076.98944062	-	-	179.21619895	0.54	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437	0.5
Cr 267.716	Cr	n	1.00000000	1.00000000	mg/L	64834.64721619	-	-	485.84145004	0.75	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824	1.0
Cu 324.754	Cu	n	1.00000000	1.00000000	mg/L	58920.16298980	-	-	121.70313818	0.21	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155	1.0
Fe 259.940	Fe	n	2.00000000	2.00000000	mg/L	106348.18826876	-	-	595.33385376	0.56	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111	2.0
K 766.491	K-R	n	20.00000000	20.00000000	mg/L	13799.55283929	-	-	41.75439941	0.30	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875	20
Li 670.783	Li-R	n	1.00000000	1.00000000	mg/L	53875.67956722	-	-	87.56089150	0.16	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536	1.0
Mg 279.800	Mg-R	n	10.00000000	10.00000000	mg/L	6639.54498669	-	-	22.70712891	0.34	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587	10
Mn 257.610	Mn	n	1.00000000	1.00000000	mg/L	473616.17535190	-	-	2776.36992229	0.59	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923	1.0
Mo 204.598	Mo	n	1.00000000	1.00000000	mg/L	18781.05809048	-	-	162.18886930	0.86	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482	1.0
Na 589.592	Na-R	n	20.00000000	20.00000000	mg/L	111957.40234831	-	-	263.57176567	0.24	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585	20
Ni 231.604	Ni	n	1.00000000	1.00000000	mg/L	27612.57709638	-	-	131.80402199	0.48	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637	1.0
P 177.434	P	n			mg/L	1.68621294	-	-	1.17089438	69.44		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479	
Pb 220.353	Pb	n	1.00000000	1.00000000	mg/L	14240.34602900	-	-	49.70254886	0.35	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963	1.0
S 181.972	S	n			mg/L	202.99685068	-	-	5.64801691	2.78		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216	
Sb 206.834	Sb	n	3.00003000	3.00003000	mg/L	14449.83418733	-	-	67.85118488	0.47	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106	3.0
Se 196.026	Se	n	3.00000300	3.00000300	mg/L	14464.76806966	-	-	63.99244709	0.44	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361	3.0
Si 251.611	Si	n			mg/L	172.26088149	-	-	7.58096839	4.40		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026	
Sn 189.925	Sn	n	1.00000000	1.00000000	mg/L	14673.01332738	-	-	74.55777092	0.51	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375	1.0
Sr 421.552	Sr-R	n	5.00000000	5.00000000	mg/L	1386632.80315123	-	-	3185.91743166	0.23	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974	5.0
Ti 334.941	Ti	n	1.00000000	1.00000000	mg/L	305783.09396927	-	-	2428.28669945	0.79	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525	1.0
Tl 190.794	Tl	n	3.00003000	3.00003000	mg/L	19394.45832199	-	-	117.97221151	0.61	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548	3.0
V 292.401	V	n	0.50000000	0.50000000	mg/L	21345.89134171	-	-	175.88595561	0.82	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533	0.5
Zn 206.200	Zn	n	3.00003000	3.00003000	mg/L	143211.32227984	-	-	646.94600668	0.45	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274	3.0
Y 371.029	Y		0.96	0.96	Ratio	219603.57	0.01	0.67	1472.87	0.67		-	-	-	Fitted	-	-	0.9
Y 371.029	Y-R		0.96	0.96	Ratio	36964.98	0.00	0.49	181.08	0.49		-	-	-	Fitted	-	-	0.9

Instrument ID: MET12

Label: ICAL,L5,S19984 | **Rack:Tube:** S1:6 | **Type:** STD

Date Time: 4/23/2024 10:31:08 AM | **Weight:** - | **Volume:** -

Dilution: - | **%RSE limit:** - | **Calibration Coefficient [3]:** -

LIMS ID: | **Customer:** | **Customer Ref.:**

Sample Date Time: | **Sample Site:** | **Description:**

Replicates: 3 | **Flags Replicate 1:** | **Flags Replicate 2:**

Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n			mg/L	77.36898083	-	-	19.36184776	25.03		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301
Al 396.152	Al	n	10.00000000	10.00000000	mg/L	537615.46891637	-	-	4868.43881841	0.91	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026
As 188.980	As	n	5.00000000	5.00000000	mg/L	31332.76158250	-	-	43.55554940	0.14	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899
B 249.678	B	n	5.00000000	5.00000000	mg/L	235576.80781641	-	-	1904.83963192	0.81	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364
Ba 230.424	Ba	n	5.00000000	5.00000000	mg/L	858187.55906028	-	-	6551.16448669	0.76	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688
Be 313.107	Be	n	1.50000000	1.50000000	mg/L	2448855.82572160	-	-	15942.66201059	0.65	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717
Ca 317.933	Ca-R	n	50.00000000	50.00000000	mg/L	423264.66108077	-	-	1966.02137239	0.46	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735
Cd 214.439	Cd	n	2.50000000	2.50000000	mg/L	655312.76171794	-	-	5758.16945654	0.88	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323
Co 230.786	Co	n	2.50000000	2.50000000	mg/L	161562.60216535	-	-	511.01225345	0.32	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437
Cr 267.716	Cr	n	5.00000000	5.00000000	mg/L	319483.69593903	-	-	1527.64388567	0.48	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824
Cu 324.754	Cu	n	5.00000000	5.00000000	mg/L	296249.20812224	-	-	2628.46437157	0.89	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155
Fe 259.940	Fe	n	10.00000000	10.00000000	mg/L	519532.08427097	-	-	2977.79610363	0.57	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111
K 766.491	K-R	n	100.00000000	100.00000000	mg/L	72525.66247235	-	-	342.71852420	0.47	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875
Li 670.783	Li-R	n	5.00000000	5.00000000	mg/L	272460.13933334	-	-	1013.89931528	0.37	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	50.00000000	50.00000000	mg/L	32805.83372128	-	-	187.88953464	0.57	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587
Mn 257.610	Mn	n	5.00000000	5.00000000	mg/L	2270643.61242955	-	-	11667.70113544	0.51	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923
Mo 204.598	Mo	n	5.00000000	5.00000000	mg/L	93540.13838522	-	-	828.05640391	0.89	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482
Na 589.592	Na-R	n	100.00000000	100.00000000	mg/L	555619.37407175	-	-	3011.93612999	0.54	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585
Ni 231.604	Ni	n	5.00000000	5.00000000	mg/L	132781.91066316	-	-	419.13898769	0.32	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637
P 177.434	P	n			mg/L	-2.25426793	-	-	0.77409637	34.34		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479
Pb 220.353	Pb	n	5.00000000	5.00000000	mg/L	68203.95293015	-	-	142.81930367	0.21	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963
S 181.972	S	n			mg/L	256.92691150	-	-	8.18098356	3.18		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216
Sb 206.834	Sb	n	15.00015000	15.00015000	mg/L	71746.54288284	-	-	250.47203652	0.35	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106
Se 196.026	Se	n	15.00000000	15.00000000	mg/L	70080.86669507	-	-	172.30442373	0.25	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361
Si 251.611	Si	n			mg/L	606.09731724	-	-	45.00802741	7.43		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026
Sn 189.925	Sn	n	5.00000000	5.00000000	mg/L	70971.84271634	-	-	322.85121512	0.45	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375
Sr 421.552	Sr-R	n	25.00000000	25.00000000	mg/L	6752635.61450374	-	-	28804.61835852	0.43	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974
Ti 334.941	Ti	n	5.00000000	5.00000000	mg/L	1495526.83075865	-	-	14718.01843103	0.98	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525
Tl 190.794	Tl	n	15.00015000	15.00015000	mg/L	92584.44825880	-	-	410.64231485	0.44	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548
V 292.401	V	n	2.50000000	2.50000000	mg/L	106121.66671532	-	-	610.14464544	0.57	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533
Zn 206.200	Zn	n	15.00015000	15.00015000	mg/L	667444.53683359	-	-	7391.79252742	1.11	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274
Y 371.029	Y		0.94	0.94	Ratio	214092.55	0.01	0.69	1483.31	0.69		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.94	0.94	Ratio	36045.41	0.00	0.35	125.64	0.35		-	-	-	Fitted	-	-

Instrument ID: MET12

Label: ICAL,L6,S19983 | **Rack:Tube:** S1:7 | **Type:** STD

Date Time: 4/23/2024 10:34:15 AM | **Weight:** - | **Volume:** -

Dilution: - | **%RSE limit:** - | **Calibration Coefficient [3]:** -

LIMS ID: | **Customer:** | **Customer Ref.:**

Sample Date Time: | **Sample Site:** | **Description:**

Replicates: 3 | **Flags Replicate 1:** | **Flags Replicate 2:**

Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n			mg/L	107.58454777	-	-	19.22461065	17.87		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.32072743
Al 396.152	Al	n	20.00000000	20.00000000	mg/L	1081313.94651721	-	-	12538.49219578	1.16	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.55779610
As 188.980	As	n	10.00000000	10.00000000	mg/L	61656.11155209	-	-	436.78296672	0.71	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.845994688
B 249.678	B	n	10.00000000	10.00000000	mg/L	468878.19860618	-	-	2343.98526325	0.50	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.75976813
Ba 230.424	Ba	n	10.00000000	10.00000000	mg/L	1665157.04321279	-	-	18148.22565767	1.09	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.9910546
Be 313.107	Be	n	3.00000000	3.00000000	mg/L	4809148.27533032	-	-	46644.83385526	0.97	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.160187
Ca 317.933	Ca-R	n	100.00000000	100.00000000	mg/L	821469.37994381	-	-	1308.66108507	0.16	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.922360567
Cd 214.439	Cd	n	5.00000000	5.00000000	mg/L	1256832.41387430	-	-	12184.84277182	0.97	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.7060563
Co 230.786	Co	n	5.00000000	5.00000000	mg/L	315044.88232141	-	-	2873.62824724	0.91	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.08452914
Cr 267.716	Cr	n	10.00000000	10.00000000	mg/L	621812.07433105	-	-	6496.25791957	1.04	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.47961638
Cu 324.754	Cu	n	10.00000000	10.00000000	mg/L	583973.17602887	-	-	11343.23147873	1.94	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.44830331
Fe 259.940	Fe	n	20.00000000	20.00000000	mg/L	1001451.42767935	-	-	8476.42147137	0.85	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.13720611
K 766.491	K-R	n	200.00000000	200.00000000	mg/L	146297.80234913	-	-	366.70231592	0.25	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.3690500888
Li 670.783	Li-R	n	10.00000000	10.00000000	mg/L	549614.49399523	-	-	1297.74860653	0.24	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	100.00000000	100.00000000	mg/L	64718.02078729	-	-	44.03346504	0.07	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.9121222585
Mn 257.610	Mn	n	10.00000000	10.00000000	mg/L	4403722.49281690	-	-	33335.32295207	0.76	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.8671159
Mo 204.598	Mo	n	10.00000000	10.00000000	mg/L	184460.45883617	-	-	2486.48355275	1.35	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.88078804
Na 589.592	Na-R	n			mg/L	1104709.24814356	-	-	2598.51286054	0.24	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.795797185
Ni 231.604	Ni	n	10.00000000	10.00000000	mg/L	257759.24229843	-	-	2258.75996711	0.88	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.53060476
P 177.434	P	n			mg/L	-1.50203206	-	-	1.95157259	> 100.00		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.7390235934
Pb 220.353	Pb	n	10.00000000	10.00000000	mg/L	132147.37542062	-	-	912.13264007	0.69	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.75125029
S 181.972	S	n			mg/L	320.26670881	-	-	2.87678296	0.90		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.689674812
Sb 206.834	Sb	n	30.00030000	30.00030000	mg/L	141686.31667724	-	-	1166.70302598	0.82	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.056895431
Se 196.026	Se	n	30.00000000	30.00000000	mg/L	135404.90757702	-	-	964.12658805	0.71	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.274476536
Si 251.611	Si	n			mg/L	1161.16695643	-	-	100.13499050	8.62		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.890811980
Sn 189.925	Sn	n	10.00000000	10.00000000	mg/L	137686.13004962	-	-	1212.16303717	0.88	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.74821723
Sr 421.552	Sr-R	n	50.00000000	50.00000000	mg/L	13103154.23305410	-	-	93061.88197409	0.71	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.6517699
Ti 334.941	Ti	n	10.00000000	10.00000000	mg/L	2982188.72674611	-	-	36511.66383798	1.22	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.2875935
Tl 190.794	Tl	n	30.00030000	30.00030000	mg/L	178005.29739833	-	-	1418.43083814	0.80	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.247417125
V 292.401	V	n	5.00000000	5.00000000	mg/L	209592.55383384	-	-	2244.32411448	1.07	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.20411745
Zn 206.200	Zn	n	30.00030000	30.00030000	mg/L	1254118.63830425	-	-	12602.02282519	1.00	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.94277712
Y 371.029	Y		0.92	0.92	Ratio	209965.21	0.01	0.55	1160.88	0.55		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	35642.21	0.00	0.23	83.59	0.23		-	-	-	Fitted	-	-

Instrument ID: MET12

Label:	ICAL,L7,S20458	**Rack:Tube:**	S1:8	**Type:**	STD
Date Time:	4/23/2024 10:37:23 AM	**Weight:**	-	**Volume:**	-
Dilution:	-	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3	**Flags Replicate 1:**		**Flags Replicate 2:**	
Flags Replicate 3:					

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Concer Replica
Ag 328.068	Ag	n	2.00000000	2.00000000	mg/L	122809.40627379	-	-	656.59675725	0.53		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301	2.00
Al 396.152	Al	n			mg/L	233.82420609	-	-	6.63138652	2.84	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026	
As 188.980	As	n			mg/L	19.41977809	-	-	8.10376035	41.73	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899	
B 249.678	B	n			mg/L	280.71100631	-	-	20.06130203	7.15	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364	
Ba 230.424	Ba	n			mg/L	118.19485364	-	-	2.09510400	1.77	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688	
Be 313.107	Be	n			mg/L	71.83709086	-	-	41.84116671	58.24	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717	
Ca 317.933	Ca-R	n			mg/L	998.54472085	-	-	13.96550273	1.40	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735	
Cd 214.439	Cd	n			mg/L	49.84370478	-	-	12.28355795	24.64	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323	
Co 230.786	Co	n			mg/L	54.41322937	-	-	10.74534752	19.75	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437	
Cr 267.716	Cr	n			mg/L	-14.70898592	-	-	6.99931464	47.59	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824	
Cu 324.754	Cu	n			mg/L	1105.53948688	-	-	10.43760338	0.94	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155	
Fe 259.940	Fe	n			mg/L	280.63707107	-	-	20.26581761	7.22	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111	
K 766.491	K-R	n			mg/L	18.74079176	-	-	11.54610206	61.61	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875	
Li 670.783	Li-R	n			mg/L	89.74072248	-	-	0.62478365	0.70	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536	
Mg 279.800	Mg-R	n			mg/L	5.62671581	-	-	0.72397525	12.87	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587	
Mn 257.610	Mn	n			mg/L	432.68855648	-	-	7.99743047	1.85	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923	
Mo 204.598	Mo	n			mg/L	83.71680846	-	-	29.16134124	34.83	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482	
Na 589.592	Na-R	n			mg/L	126.29123837	-	-	23.05453983	18.26	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585	
Ni 231.604	Ni	n			mg/L	8.62720040	-	-	6.30887473	73.13	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637	
P 177.434	P	n			mg/L	1.76078681	-	-	0.94159018	53.48		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479	
Pb 220.353	Pb	n			mg/L	43.04655542	-	-	5.38170676	12.50	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963	
S 181.972	S	n			mg/L	183.99635448	-	-	2.30057859	1.25		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216	
Sb 206.834	Sb	n			mg/L	17.22347941	-	-	18.83047387	> 100.00	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106	
Se 196.026	Se	n			mg/L	45.44650155	-	-	9.08634250	19.99	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361	
Si 251.611	Si	n			mg/L	73.23559874	-	-	6.61441677	9.03		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026	
Sn 189.925	Sn	n			mg/L	46.47306354	-	-	4.44713993	9.57	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375	
Sr 421.552	Sr-R	n			mg/L	200.86017562	-	-	11.82766078	5.89	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974	
Ti 334.941	Ti	n			mg/L	770.15676317	-	-	286.79239016	37.24	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525	
Tl 190.794	Tl	n			mg/L	4.94826521	-	-	1.35302702	27.34	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548	
V 292.401	V	n			mg/L	-24.19256427	-	-	12.19759143	50.42	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533	
Zn 206.200	Zn	n			mg/L	103.39246517	-	-	10.66321765	10.31	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274	
Y 371.029	Y		0.97	0.97	Ratio	222461.79	0.01	0.65	1449.50	0.65		-	-	-	Fitted	-	-	0.97
Y 371.029	Y-R		0.97	0.97	Ratio	37212.67	0.02	1.61	599.46	1.61		-	-	-	Fitted	-	-	0.97

Instrument ID: MET12

Label: ICAL,L8,S20135 | Rack:Tube: S1:9 | Type: STD
Date Time: 4/23/2024 10:40:30 AM | Weight: - | Volume: -
Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -
LIMS ID: | Customer: | Customer Ref.:
Sample Date Time: | Sample Site: | Description:
Replicates: 3 | Flags Replicate 1: | Flags Replicate 2:
Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]	Con Repl
Ag 328.068	Ag	n			mg/L	34.70959779	-	-	11.80132482	34.00		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301	
Al 396.152	Al	n			mg/L	296.27687037	-	-	23.73300163	8.01	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026	
As 188.980	As	n			mg/L	11.19105780	-	-	1.86770606	16.69	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899	
B 249.678	B	n			mg/L	331.52269465	-	-	9.94306568	3.00	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364	
Ba 230.424	Ba	n			mg/L	75.44622556	-	-	11.52626520	15.28	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688	
Be 313.107	Be	n			mg/L	12.23162249	-	-	3.50358094	28.64	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717	
Ca 317.933	Ca-R	n			mg/L	983.36496007	-	-	16.56697494	1.68	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735	
Cd 214.439	Cd	n			mg/L	37.39103167	-	-	4.69117335	12.55	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323	
Co 230.786	Co	n			mg/L	47.78728211	-	-	14.20122097	29.72	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437	
Cr 267.716	Cr	n			mg/L	-14.49935560	-	-	8.42052872	58.08	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824	
Cu 324.754	Cu	n			mg/L	1064.74510131	-	-	9.28160899	0.87	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155	
Fe 259.940	Fe	n			mg/L	193.00047868	-	-	12.59594651	6.53	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111	
K 766.491	K-R	n			mg/L	-5.26079500	-	-	56.24702094	> 100.00	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875	
Li 670.783	Li-R	n			mg/L	53.66268807	-	-	12.86206323	23.97	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536	
Mg 279.800	Mg-R	n			mg/L	1.51627558	-	-	2.49411376	> 100.00	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587	
Mn 257.610	Mn	n			mg/L	319.29424342	-	-	13.33354639	4.18	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923	
Mo 204.598	Mo	n			mg/L	31.80069570	-	-	11.69348552	36.77	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482	
Na 589.592	Na-R	n			mg/L	85.16709771	-	-	0.41891625	0.49	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585	
Ni 231.604	Ni	n			mg/L	-7.56884614	-	-	15.74908847	> 100.00	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637	
P 177.434	P	n	10.00000000	10.00000000	mg/L	1238.53556732	-	-	4.75303637	0.38		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479	10.
Pb 220.353	Pb	n			mg/L	30.60027935	-	-	11.53890955	37.71	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963	
S 181.972	S	n	10.00000000	10.00000000	mg/L	15098.24328945	-	-	17.92052230	0.12		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216	10.
Sb 206.834	Sb	n			mg/L	-4.07598042	-	-	3.31387416	81.30	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106	
Se 196.026	Se	n			mg/L	29.59625801	-	-	4.91090889	16.59	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361	
Si 251.611	Si	n	10.00000000	10.00000000	mg/L	52614.00974920	-	-	348.93519877	0.66		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026	10.
Sn 189.925	Sn	n			mg/L	39.68195195	-	-	6.09425580	15.36	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375	
Sr 421.552	Sr-R	n			mg/L	77.90068727	-	-	17.62152164	22.62	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974	
Ti 334.941	Ti	n			mg/L	1137.53702056	-	-	355.26425904	31.23	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525	
Tl 190.794	Tl	n			mg/L	0.47196166	-	-	0.93232211	> 100.00	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548	
V 292.401	V	n			mg/L	-20.39457820	-	-	1.79609584	8.81	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533	
Zn 206.200	Zn	n			mg/L	59.71031663	-	-	8.94004215	14.97	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274	
Y 371.029	Y		0.99	0.99	Ratio	226644.35	0.01	0.90	2046.10	0.90		-	-	-	Fitted	-	-	0.9
Y 371.029	Y-R		0.97	0.97	Ratio	37495.31	0.01	0.59	220.30	0.59		-	-	-	Fitted	-	-	0.9

Instrument ID: MET12

Label: ICV,S20478 | Rack:Tube: S1:12 | Type: QC
Date Time: 4/23/2024 10:43:38 AM | Weight: - | Volume: -
Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -
LIMS ID: | Customer: | Customer Ref.:
Sample Date Time: | Sample Site: | Description:
Replicates: 3 | Flags Replicate 1: | Flags Replicate 2:
Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.49037526	0.49037526	mg/L	30146.66029001	0.00157838	0.32187139	96.89395504	0.32		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301
Al 396.152	Al	n	1.04341948	1.04341948	mg/L	55831.14851227	0.00872218	0.83592283	463.16143176	0.83	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.557796102
As 188.980	As	n	1.02551901	1.02551901	mg/L	6413.76129074	0.00928688	0.90557833	58.00440909	0.90	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899
B 249.678	B	n	1.04462909	1.04462909	mg/L	48667.16742094	0.01050107	1.00524422	487.92986072	1.00	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364
Ba 230.424	Ba	n	0.98181087	0.98181087	mg/L	177229.20575988	0.00690887	0.70368612	1245.95188301	0.70	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688
Be 313.107	Be	n	1.01926122	1.01926122	mg/L	1667893.91732419	0.00674694	0.66194452	11040.45693851	0.66	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717
Ca 317.933	Ca-R	n	52.01753187	52.01753187	mg/L	433313.05435422	0.20636876	0.39672924	1715.11472556	0.40	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735
Cd 214.439	Cd	n	0.98942474	0.98942474	mg/L	273672.56626554	0.00493270	0.49854246	1364.17193212	0.50	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323
Co 230.786	Co	n	1.02996079	1.02996079	mg/L	66967.72837201	0.00566574	0.55009279	368.09227958	0.55	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437
Cr 267.716	Cr	n	0.98215171	0.98215171	mg/L	63161.10108851	0.00741962	0.75544544	477.38192838	0.76	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824
Cu 324.754	Cu	n	1.00964352	1.00964352	mg/L	59472.43044419	0.00545641	0.54042922	315.96669854	0.53	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.448303315
Fe 259.940	Fe	n	0.97441146	0.97441146	mg/L	53147.96622195	0.00716381	0.73519341	388.80954389	0.73	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111
K 766.491	K-R	n	59.80110744	59.80110744	mg/L	42693.58195364	0.30160827	0.50435232	215.15800542	0.50	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875
Li 670.783	Li-R	n	1.01438843	1.01438843	mg/L	54925.86723247	0.00504048	0.49689845	273.26258899	0.50	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	51.98488172	51.98488172	mg/L	33684.83083178	0.14824797	0.28517517	96.05165834	0.29	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122585587
Mn 257.610	Mn	nQ	0.76095393	0.76095393	mg/L	471839.14391468	0.00514850	0.67658526	3188.95064205	0.68	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923
Mo 204.598	Mo	n	1.01024179	1.01024179	mg/L	18796.02077446	0.00869980	0.86116047	161.78919801	0.86	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482
Na 589.592	Na-R	nQ	33.69518737	33.69518737	mg/L	188314.82433539	0.17495250	0.51922105	977.07401386	0.52	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.7957971858
Ni 231.604	Ni	n	1.00298566	1.00298566	mg/L	27094.75794574	0.00522926	0.52136912	141.22933134	0.52	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637
P 177.434	P	n	5.33712627	5.33712627	mg/L	661.60878646	0.05153553	0.96560441	6.37695576	0.96		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479
Pb 220.353	Pb	n	1.01795410	1.01795410	mg/L	14095.73634155	0.00449758	0.44182511	62.11041660	0.44	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963
S 181.972	S	n	5.47135804	5.47135804	mg/L	8367.90121951	0.01248349	0.22816079	18.58404815	0.22		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216
Sb 206.834	Sb	n	1.00858195	1.00858195	mg/L	4824.65505394	0.01085715	1.07647672	52.12579428	1.08	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106
Se 196.026	Se	n	1.02981980	1.02981980	mg/L	4862.57115113	0.00868659	0.84350574	40.77723394	0.84	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361
Si 251.611	Si	nQ	5.53515414	5.53515414	mg/L	29167.00116457	0.14038527	2.53624861	737.28811071	2.53		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026
Sn 189.925	Sn	n	4.94735340	4.94735340	mg/L	73033.73732958	0.03196108	0.64602373	471.44979636	0.65	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375
Sr 421.552	Sr-R	n	1.01353042	1.01353042	mg/L	281479.87135807	0.00432576	0.42680167	1200.25114105	0.43	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974
Ti 334.941	Ti	n	1.02346895	1.02346895	mg/L	309782.89971921	0.01131424	1.10548000	3423.69364313	1.11	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525
Tl 190.794	Tl	n	1.02310198	1.02310198	mg/L	6415.19466371	0.00514362	0.50274781	32.19006436	0.50	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548
V 292.401	V	n	1.01456461	1.01456461	mg/L	43016.06756856	0.00771108	0.76003793	327.08998999	0.76	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533
Zn 206.200	Zn	n	0.96118474	0.96118474	mg/L	46865.46476837	0.00344770	0.35869315	167.64095554	0.36	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274
Y 371.029	Y		0.94	0.94	Ratio	214460.29	0.00	0.34	719.02	0.34		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.93	0.93	Ratio	35999.20	0.01	0.55	196.88	0.55		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775012	File:	icp data	Time:	23-APR-2024 10:52
Cal:	794164775002	Caldate:	23-APR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	222052	-2.88
Yttrium	R	38511	37104	-3.65

Instrument ID: MET12

Label: ICB | Rack:Tube: S1:1 | Type: QC

Date Time: 4/23/2024 10:52:20 AM | Weight: - | Volume: -

Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -

LIMS ID: | Customer: | Customer Ref.:

Sample Date Time: | Sample Site: | Description:

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	0.00005587	0.00005587	mg/L	36.19105151	0.00013818	247.33638364	8.48259609	23.44		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301
Al 396.152	Al	nu	-0.00115439	-0.00115439	mg/L	158.21078753	0.00050287	43.56155938	26.70330034	16.88	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026
As 188.980	As	nu	-0.00049023	-0.00049023	mg/L	5.50948322	0.00075425	153.85550852	4.71095035	85.51	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899
B 249.678	B	n	0.00061472	0.00061472	mg/L	140.56337508	0.00051852	84.35051119	24.09289013	17.14	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364
Ba 230.424	Ba	nu	-0.00063546	-0.00063546	mg/L	40.71236053	0.00004072	6.40800523	7.34350217	18.04	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688
Be 313.107	Be	n	0.00000254	0.00000254	mg/L	13.83945331	0.00000186	73.10077063	3.04276717	21.99	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717
Ca 317.933	Ca-R	nu	-0.00597876	-0.00597876	mg/L	965.67875104	0.00091815	15.35680384	7.63064074	0.79	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735
Cd 214.439	Cd	nu	-0.00003034	-0.00003034	mg/L	25.14161139	0.00001243	40.98374257	3.43888409	13.68	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323
Co 230.786	Co	nu	-0.00016484	-0.00016484	mg/L	38.01596806	0.00015632	94.82772726	10.15562635	26.71	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437
Cr 267.716	Cr	nu	-0.00009905	-0.00009905	mg/L	-40.26677640	0.00010318	104.16907842	6.63861622	16.49	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824
Cu 324.754	Cu	n	0.00159646	0.00159646	mg/L	1078.59443979	0.00042227	26.45067041	24.45286132	2.27	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155
Fe 259.940	Fe	nu	-0.00307222	-0.00307222	mg/L	41.15525613	0.00015086	4.91052510	8.18791621	19.90	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111
K 766.491	K-R	nu	-0.08777488	-0.08777488	mg/L	-28.15675222	0.06361155	72.47124003	45.37850922	> 100.00	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875
Li 670.783	Li-R	n	0.00323157	0.00323157	mg/L	124.70777324	0.00043336	13.41032912	23.49424960	18.84	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	0.00460147	0.00460147	mg/L	5.37101592	0.00277926	60.39934460	1.80071349	33.53	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587
Mn 257.610	Mn	nu	-0.00032708	-0.00032708	mg/L	210.96456291	0.00004837	14.78761025	29.95839478	14.20	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923
Mo 204.598	Mo	nu	0.00019919	0.00019919	mg/L	11.42058016	0.00038685	194.21625211	7.19426582	62.99	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482
Na 589.592	Na-R	nu	-0.01765614	-0.01765614	mg/L	82.89542082	0.00406687	23.03375327	22.71264583	27.40	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585
Ni 231.604	Ni	nu	-0.00056008	-0.00056008	mg/L	-10.56081749	0.00020978	37.45556172	5.66571684	53.65	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637
P 177.434	P	nu	-0.00007113	-0.00007113	mg/L	1.13652004	0.00752923	10584.58464231	0.93165936	81.97		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479
Pb 220.353	Pb	nu	-0.00077284	-0.00077284	mg/L	26.84612900	0.00028117	36.38209799	3.88295357	14.46	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963
S 181.972	S	nu	-0.01897249	-0.01897249	mg/L	183.10069956	0.00093386	4.92218163	1.39022845	0.76		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216
Sb 206.834	Sb	nu	-0.00061416	-0.00061416	mg/L	-21.22765710	0.00105901	172.43164960	5.08437203	23.95	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106
Se 196.026	Se	nu	-0.00139897	-0.00139897	mg/L	23.77992977	0.00067885	48.52466078	3.18669272	13.40	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361
Si 251.611	Si	nu	-0.00556692	-0.00556692	mg/L	65.86467439	0.00134763	24.20780656	7.07760019	10.75		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026
Sn 189.925	Sn	nu	-0.00207047	-0.00207047	mg/L	24.78560671	0.00025698	12.41170947	3.79066564	15.29	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375
Sr 421.552	Sr-R	nu	-0.00012422	-0.00012422	mg/L	44.66135612	0.00003487	28.07293435	9.67577453	21.66	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974
Ti 334.941	Ti	nu	0.00001504	0.00001504	mg/L	76.66707784	0.00002835	188.44859222	8.57881086	11.19	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525
Tl 190.794	Tl	nu	-0.00108290	-0.00108290	mg/L	6.27456354	0.00026073	24.07721971	1.63172242	26.01	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548
V 292.401	V	nu	-0.00014046	-0.00014046	mg/L	-33.69154323	0.00006108	43.48482329	2.59080967	7.69	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533
Zn 206.200	Zn	nu	-0.00092174	-0.00092174	mg/L	35.88501054	0.00018400	19.96228428	8.94680315	24.93	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274
Y 371.029	Y		0.97	0.97	Ratio	222051.85	0.01	0.62	1367.96	0.62		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	37103.69	0.00	0.08	29.45	0.08		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD A FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775014	File:	icp data	Time:	23-APR-2024 10:58
Cal:	794164775002	Caldate:	23-APR-2024		

Standards: S20136

Analyte	Ch	Quant	IQL	Units	Flags
Lead	A	0.01439	0.003333	mg/L	a+ ***

Interferent	Ch	Spiked	Quant	Units	%Rec	Flags
Aluminum	A	400.0	351.4	mg/L	88	
Aluminum as Al2O3	A	755.8	664.0	mg/L	88	
Iron	A	160.0	125.3	mg/L	78	
Iron as Fe2O3	A	228.8	179.1	mg/L	78	
Calcium	R	400.0	374.8	mg/L	94	
Calcium as CaCO3	R	998.9	935.9	mg/L	94	
Magnesium	R	400.0	389.7	mg/L	97	
Magnesium as MgCO3	R	1388	1352	mg/L	97	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	203791	-10.87
Yttrium	R	38511	34836	-9.54

+=high bias a=ICSA

Instrument ID: MET12

Label:	ICSA,S20136	Rack:Tube:	S1:14	Type:	QC
Date Time:	4/23/2024 10:58:36 AM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration C
Ag 328.068	Ag	nu	-0.00134172	-0.00134172	mg/L	43.64673961	0.00022787	16.98349206	13.98856654	32.05		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3
Al 396.152	Al	no	351.44533440	351.44533440	mg/L	18664016.35740820	2.21449328	0.63011031	117593.04297543	0.63	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5
As 188.980	As	nu	0.00023199	0.00023199	mg/L	12.28534616	0.00030131	129.88145611	1.88195323	15.32	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84
B 249.678	B	nu	-0.00259553	-0.00259553	mg/L	105.84999493	0.00046249	17.81856224	21.48926761	20.30	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7
Ba 230.424	Ba	nK	0.00336926	0.00336926	mg/L	1009.60638203	0.00003338	0.99063654	6.01925434	0.60	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.9
Be 313.107	Be	nu	-0.00002743	-0.00002743	mg/L	12.49771995	0.00000284	10.34871475	4.64549557	37.17	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364
Ca 317.933	Ca-R	no	374.79111962	374.79111962	mg/L	3115698.92061801	0.34063441	0.09088647	2830.98610973	0.09	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92
Cd 214.439	Cd	nu	-0.00059810	-0.00059810	mg/L	613.88239197	0.00004771	7.97637829	13.19370280	2.15	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.1
Co 230.786	Co	nu	-0.00156250	-0.00156250	mg/L	55.57401144	0.00012894	8.25225184	8.37705892	15.07	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0
Cr 267.716	Cr	nu	0.00002853	0.00002853	mg/L	-0.16461337	0.00023682	830.10549340	15.23707459	> 100.00	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4
Cu 324.754	Cu	nKu	-0.00364834	-0.00364834	mg/L	856.22835087	0.00031124	8.53098449	18.02305256	2.10	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4
Fe 259.940	Fe	nKo	125.28343062	125.28343062	mg/L	6800461.99811301	0.67624995	0.53977604	36702.88234193	0.54	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1
K 766.491	K-R	n	0.07567439	0.07567439	mg/L	36.69186607	0.06072035	80.23896708	43.31601632	> 100.00	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369
Li 670.783	Li-R	nK	0.00776471	0.00776471	mg/L	122.84986796	0.00035977	4.63342397	19.50453131	15.88	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.6
Mg 279.800	Mg-R	no	389.69609376	389.69609376	mg/L	252542.98024300	0.13819496	0.03546224	89.53818932	0.04	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912
Mn 257.610	Mn	nu	-0.00147305	-0.00147305	mg/L	1071.48627763	0.00001785	1.21155215	11.05420183	1.03	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.8
Mo 204.598	Mo	n	0.00088370	0.00088370	mg/L	136.39111745	0.00052117	58.97539043	9.69209682	7.11	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8
Na 589.592	Na-R	n	0.19506318	0.19506318	mg/L	563.25444828	0.01128080	5.78315238	63.00096921	11.19	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79
Ni 231.604	Ni	nu	-0.00085312	-0.00085312	mg/L	29.27528207	0.00025051	29.36402658	6.76568581	23.11	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5
P 177.434	P	nu	0.00194225	0.00194225	mg/L	1.84580984	0.01037705	534.28105523	1.28404636	69.57		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739
Pb 220.353	Pb	nK	0.01439466	0.01439466	mg/L	-762.81327461	0.00152881	10.62065267	21.11243945	2.77	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.75
S 181.972	S	nu	-0.00307047	-0.00307047	mg/L	446.62214915	0.00249484	81.25251914	3.71403560	0.83		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.685
Sb 206.834	Sb	nu	-0.00410384	-0.00410384	mg/L	-0.07137840	0.00100717	24.54215250	4.83548088	> 100.00	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.050
Se 196.026	Se	nK	0.02966483	0.02966483	mg/L	112.22209669	0.00207008	6.97821669	9.71750397	8.66	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.274
Si 251.611	Si	nu	-0.00562227	-0.00562227	mg/L	100.13181316	0.00247143	43.95793286	12.97969427	12.96		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.890
Sn 189.925	Sn	nu	-0.00287557	-0.00287557	mg/L	30.41919168	0.00036155	12.57303734	5.33308648	17.53	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.74
Sr 421.552	Sr-R	nu	-0.00239918	-0.00239918	mg/L	747.25356920	0.00008644	3.60279772	23.98346998	3.21	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.6
Ti 334.941	Ti	nu	-0.00013781	-0.00013781	mg/L	61.67131909	0.00005136	37.26825927	15.54135453	25.20	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.2
Tl 190.794	Tl	nu	-0.00031124	-0.00031124	mg/L	4.39125657	0.00015260	49.02897139	0.95499095	21.75	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.247
V 292.401	V	n	0.00057923	0.00057923	mg/L	-97.57307307	0.00041850	72.25144284	17.75201445	18.19	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.20
Zn 206.200	Zn	nKu	-0.05092663	-0.05092663	mg/L	106.90808543	0.00005933	0.11650951	2.88507058	2.70	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.94
Y 371.029	Y		0.89	0.89	Ratio	203791.14	0.01	0.72	1467.59	0.72		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.90	0.90	Ratio	34835.82	0.00	0.19	66.79	0.19		-	-	-	Fitted	-	-

ENTHALPY INTERFERENCE CHECK STANDARD AB FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775015	File:	icp data	Time:	23-APR-2024 11:01
Cal:	794164775002	Caldate:	23-APR-2024		

Standards: S20273

Analyte	Ch	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	1.000	1.003	mg/L	0	20	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	203073	-11.18
Yttrium	R	38511	34818	-9.59

Instrument ID: MET12

Label:	ICSAB,S20273	Rack:Tube:	S1:15	Type:	QC
Date Time:	4/23/2024 11:01:44 AM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coeffi
Ag 328.068	Ag	nb	1.03949447	1.03949447	mg/L	63943.23373878	0.00576514	0.55460966	353.91206586	0.55		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207
Al 396.152	Al	nbo	366.61696050	366.61696050	mg/L	19469721.33400490	2.43118414	0.66314012	129099.66534883	0.66	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577
As 188.980	As	nbu	0.00062100	0.00062100	mg/L	14.83528586	0.00113176	182.24758539	7.06880885	47.65	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599
B 249.678	B	nbu	-0.00307880	-0.00307880	mg/L	89.15277173	0.00037555	12.19796011	17.44987174	19.57	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597
Ba 230.424	Ba	nb	0.49398775	0.49398775	mg/L	89500.17889297	0.00223150	0.45173202	402.43107777	0.45	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991
Be 313.107	Be	nb	0.51092132	0.51092132	mg/L	836112.98084125	0.00365300	0.71498352	5977.64356123	0.71	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16
Ca 317.933	Ca-R	nbo	391.79655396	391.79655396	mg/L	3257021.35886281	0.30117170	0.07686941	2503.01461858	0.08	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236
Cd 214.439	Cd	nb	0.94302282	0.94302282	mg/L	261611.19661007	0.00387467	0.41087771	1071.56613879	0.41	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706
Co 230.786	Co	nb	0.48145864	0.48145864	mg/L	31441.31863390	0.00191994	0.39877652	124.73508245	0.40	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845
Cr 267.716	Cr	nb	0.48917658	0.48917658	mg/L	31473.33301488	0.00323876	0.66208442	208.38349581	0.66	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796
Cu 324.754	Cu	nb	0.53577211	0.53577211	mg/L	32098.13976642	0.00488791	0.91231194	283.04656674	0.88	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483
Fe 259.940	Fe	nbo	130.37701287	130.37701287	mg/L	7076940.53695367	0.77604049	0.59522800	42118.92785577	0.60	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372
K 766.491	K-R	nb	0.09200849	0.09200849	mg/L	45.73087528	0.04472884	48.61381790	31.90817062	69.77	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050
Li 670.783	Li-R	nb	0.00915286	0.00915286	mg/L	186.90339940	0.00018287	1.99790506	9.91379723	5.30	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.6007
Mg 279.800	Mg-R	nbo	408.01902835	408.01902835	mg/L	264416.90777603	0.73559404	0.18028425	476.60029634	0.18	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122
Mn 257.610	Mn	nGb	0.37281126	0.37281126	mg/L	232972.17054164	0.00185262	0.49693243	1147.50152383	0.49	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867
Mo 204.598	Mo	nb	0.00133371	0.00133371	mg/L	150.24102648	0.00044723	33.53273239	8.31704412	5.54	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807
Na 589.592	Na-R	nb	5.90433108	5.90433108	mg/L	32415.36409655	0.00627688	0.10630978	35.05510000	0.11	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579
Ni 231.604	Ni	nb	0.94484910	0.94484910	mg/L	25572.47318121	0.00335057	0.35461381	90.49049675	0.35	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306
P 177.434	P	nbu	-0.00061729	-0.00061729	mg/L	1.55182684	0.00496763	804.74676225	0.61468914	39.61		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023
Pb 220.353	Pb	nb	1.00340415	1.00340415	mg/L	12846.06406251	0.00198642	0.19796828	27.43199291	0.21	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512
S 181.972	S	nbu	0.00063452	0.00063452	mg/L	463.59943045	0.00347851	548.20729156	5.17841534	1.12		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967
Sb 206.834	Sb	nbu	-0.00034163	-0.00034163	mg/L	19.54837828	0.00023658	69.24975027	1.13581882	5.81	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689
Se 196.026	Se	nb	0.02971245	0.02971245	mg/L	109.86764188	0.00144634	4.86777903	6.78950042	6.18	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.27447
Si 251.611	Si	nbu	-0.00725240	-0.00725240	mg/L	93.26238612	0.00060620	8.35862012	3.18369969	3.41		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081
Sn 189.925	Sn	nbu	-0.00340051	-0.00340051	mg/L	23.45119873	0.00030092	8.84934956	4.43884298	18.93	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482
Sr 421.552	Sr-R	nbu	-0.00253294	-0.00253294	mg/L	770.51710153	0.00005135	2.02727136	14.24776209	1.85	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651
Ti 334.941	Ti	nbu	-0.00010301	-0.00010301	mg/L	73.50791762	0.00003234	31.39724821	9.78719429	13.31	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287
Tl 190.794	Tl	nb	0.00092062	0.00092062	mg/L	11.80308854	0.00021160	22.98504259	1.32427538	11.22	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741
V 292.401	V	nb	0.51225353	0.51225353	mg/L	21602.81386160	0.00384527	0.75065786	163.10950519	0.76	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041
Zn 206.200	Zn	nb	0.85528408	0.85528408	mg/L	44280.40975572	0.00333222	0.38960375	162.02562007	0.37	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427
Y 371.029	Y		0.89	0.89	Ratio	203073.29	0.01	0.72	1459.72	0.72		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.90	0.90	Ratio	34818.11	0.00	0.19	67.47	0.19		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775118	File:	icp data	Time:	23-APR-2024 16:34
Cal:	794164775001	Caldate:	23-APR-2024		

Standards: S20478

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	16369	14077	1.000	1.017	mg/L	2	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	220031	-3.77
Yttrium	R	38511	36900	-4.18

Instrument ID: MET12

Label:	CCV,S20478	Rack:Tube:	S1:12	Type:	QC
Date Time:	4/23/2024 4:34:35 PM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3	Flags Replicate 1:		Flags Replicate 2:	
Flags Replicate 3:					

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.49329379	0.49329379	mg/L	30325.59748373	0.00042940	0.08704741	26.36011196	0.09		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301
Al 396.152	Al	n	1.05022955	1.05022955	mg/L	56189.37109353	0.00652317	0.62111833	346.39039656	0.62	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026
As 188.980	As	n	1.05055628	1.05055628	mg/L	6570.14405010	0.00289055	0.27514445	18.05391344	0.27	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899
B 249.678	B	n	1.04888265	1.04888265	mg/L	48864.44092405	0.00540085	0.51491495	250.94936310	0.51	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364
Ba 230.424	Ba	n	0.97947106	0.97947106	mg/L	176806.90168712	0.00558978	0.57069351	1008.06606060	0.57	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688
Be 313.107	Be	n	1.02447348	1.02447348	mg/L	1676423.03278241	0.00547267	0.53419373	8955.28608130	0.53	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717
Ca 317.933	Ca-R	n	51.09463578	51.09463578	mg/L	425643.39075960	0.24934982	0.48801565	2072.32698626	0.49	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735
Cd 214.439	Cd	n	0.98970898	0.98970898	mg/L	273751.00384400	0.00128825	0.13016479	356.27490409	0.13	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323
Co 230.786	Co	n	1.02721619	1.02721619	mg/L	66789.32647580	0.00556014	0.54128251	361.23174683	0.54	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437
Cr 267.716	Cr	n	0.98193792	0.98193792	mg/L	63147.30957441	0.00409503	0.41703507	263.47590160	0.42	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824
Cu 324.754	Cu	n	1.01842498	1.01842498	mg/L	59980.41259600	0.00267510	0.26267063	154.90840575	0.26	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155
Fe 259.940	Fe	n	0.97404566	0.97404566	mg/L	53126.81288986	0.00410602	0.42154309	222.85081143	0.42	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111
K 766.491	K-R	n	59.71864897	59.71864897	mg/L	42634.82578008	0.23353725	0.39106252	166.59824710	0.39	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875
Li 670.783	Li-R	n	1.02185861	1.02185861	mg/L	55331.20233892	0.00296875	0.29052459	160.94665601	0.29	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	50.59803042	50.59803042	mg/L	32786.25695811	0.24030171	0.47492305	155.69438887	0.47	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587
Mn 257.610	Mn	nQ	0.76058564	0.76058564	mg/L	471608.61572373	0.00295195	0.38811479	1828.41683443	0.39	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923
Mo 204.598	Mo	n	1.03294772	1.03294772	mg/L	19218.26699782	0.00611676	0.59216588	113.75273009	0.59	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482
Na 589.592	Na-R	nQ	33.66776502	33.66776502	mg/L	188162.71703809	0.16897939	0.50190260	943.71537644	0.50	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585
Ni 231.604	Ni	n	0.99835911	0.99835911	mg/L	26969.75296222	0.00224227	0.22459554	60.55817549	0.22	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637
P 177.434	P	nQ	8.05858069	8.05858069	mg/L	998.35766934	0.00718890	0.08920805	0.88954777	0.09		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479
Pb 220.353	Pb	n	1.01658477	1.01658477	mg/L	14076.75303324	0.00384884	0.37860528	53.15157204	0.38	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963
S 181.972	S	nQ	5.88030533	5.88030533	mg/L	8976.46066084	0.00875173	0.14883126	13.02861414	0.15		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216
Sb 206.834	Sb	n	1.03332752	1.03332752	mg/L	4943.43943158	0.00539993	0.52257647	25.92535441	0.52	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106
Se 196.026	Se	n	1.05139729	1.05139729	mg/L	4963.89553002	0.00234857	0.22337580	11.02481883	0.22	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361
Si 251.611	Si	nQ	5.56005918	5.56005918	mg/L	29297.75815586	0.12886351	2.31766434	676.77707874	2.31		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026
Sn 189.925	Sn	n	4.98810353	4.98810353	mg/L	73634.80788358	0.01990711	0.39909170	293.64472461	0.40	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375
Sr 421.552	Sr-R	n	1.01253852	1.01253852	mg/L	281201.61660551	0.00441279	0.43581413	1224.39653495	0.44	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974
Ti 334.941	Ti	n	1.02711311	1.02711311	mg/L	310885.53149905	0.01168136	1.13730055	3534.78380410	1.14	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525
Tl 190.794	Tl	n	1.03781693	1.03781693	mg/L	6507.29750800	0.00244460	0.23555186	15.29889321	0.24	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548
V 292.401	V	n	1.01578658	1.01578658	mg/L	43067.77278000	0.00589482	0.58032099	250.04779434	0.58	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533
Zn 206.200	Zn	n	0.96505528	0.96505528	mg/L	47052.63762196	0.00173960	0.18025924	84.58627694	0.18	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274
Y 371.029	Y		0.96	0.96	Ratio	220031.18	0.01	0.57	1254.73	0.57		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.96	0.96	Ratio	36900.29	0.00	0.33	121.63	0.33		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775119	File:	icp data	Time:	23-APR-2024 16:37
Cal:	794164775001	Caldate:	23-APR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	228119	-0.23
Yttrium	R	38511	37961	-1.43

Instrument ID: MET12

Label:	CCB	Rack:Tube:	S1:1	Type:	QC
Date Time:	4/23/2024 4:37:43 PM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00002526	-0.00002526	mg/L	31.20880789	0.00012782	506.03782394	7.84694661	25.14		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301
Al 396.152	Al	nu	-0.00078391	-0.00078391	mg/L	177.81906674	0.00051051	65.12426236	27.10903796	15.25	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026
As 188.980	As	n	0.00063244	0.00063244	mg/L	12.52147264	0.00065207	103.10356533	4.07272716	32.53	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899
B 249.678	B	n	0.00030342	0.00030342	mg/L	126.09597394	0.00018786	61.91304386	8.72879678	6.92	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364
Ba 230.424	Ba	nu	-0.00059244	-0.00059244	mg/L	48.47002880	0.00001929	3.25557453	3.47826973	7.18	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688
Be 313.107	Be	nu	0.00000213	0.00000213	mg/L	13.16032661	0.00000786	369.15194312	12.85978481	97.72	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717
Ca 317.933	Ca-R	nu	-0.00345942	-0.00345942	mg/L	986.61661725	0.00084888	24.53806866	7.05493456	0.72	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735
Cd 214.439	Cd	nu	0.00000435	0.00000435	mg/L	34.73553227	0.00004748	1092.13557940	13.13079536	37.80	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323
Co 230.786	Co	nu	0.00014122	0.00014122	mg/L	57.89925952	0.00015335	108.59271752	9.96286152	17.21	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437
Cr 267.716	Cr	nu	-0.00002961	-0.00002961	mg/L	-35.80042421	0.00011923	402.61521555	7.67111635	21.43	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824
Cu 324.754	Cu	n	0.00203682	0.00203682	mg/L	1104.09251717	0.00029695	14.57916688	17.19568727	1.56	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155
Fe 259.940	Fe	nu	-0.00219429	-0.00219429	mg/L	88.79767947	0.00006579	2.99824689	3.57070445	4.02	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111
K 766.491	K-R	nu	-0.08438039	-0.08438039	mg/L	-25.73619658	0.03037767	36.00086903	21.67049281	84.20	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875
Li 670.783	Li-R	nZ	0.00374453	0.00374453	mg/L	152.52056717	0.00088262	23.57080990	47.84977608	31.37	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	nu	0.00226717	0.00226717	mg/L	3.85851165	0.00538804	237.65436429	3.49097526	90.47	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587
Mn 257.610	Mn	nu	-0.00032964	-0.00032964	mg/L	209.37545549	0.00006673	20.24218455	41.32934139	19.74	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923
Mo 204.598	Mo	n	0.00094508	0.00094508	mg/L	25.29153763	0.00044143	46.70822941	8.20923822	32.46	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482
Na 589.592	Na-R	nu	-0.02253016	-0.02253016	mg/L	55.68280791	0.00474998	21.08274869	26.52765365	47.64	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585
Ni 231.604	Ni	nu	-0.00009369	-0.00009369	mg/L	2.03526131	0.00046508	496.38950019	12.56059078	> 100.00	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637
P 177.434	P	nu	0.00015238	0.00015238	mg/L	1.16416963	0.00447653	2937.80076566	0.55392093	47.58		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479
Pb 220.353	Pb	nu	-0.00133401	-0.00133401	mg/L	19.09798314	0.00080184	60.10788945	11.07324813	57.98	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963
S 181.972	S	nu	-0.02247981	-0.02247981	mg/L	177.87709163	0.00232110	10.32525987	3.45539581	1.94		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216
Sb 206.834	Sb	nu	0.00009483	0.00009483	mg/L	-17.82356637	0.00084048	886.25834474	4.03520362	22.64	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106
Se 196.026	Se	nu	0.00047656	0.00047656	mg/L	32.58477426	0.00083481	175.17383370	3.91882023	12.03	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361
Si 251.611	Si	nu	-0.00265772	-0.00265772	mg/L	81.14313497	0.00061078	22.98148349	3.20777196	3.95		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026
Sn 189.925	Sn	nu	-0.00165221	-0.00165221	mg/L	30.95502809	0.00068131	41.23628884	10.04983814	32.47	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375
Sr 421.552	Sr-R	nu	-0.00012682	-0.00012682	mg/L	43.88153786	0.00004048	31.92100163	11.23282322	25.60	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974
Ti 334.941	Ti	n	0.00044401	0.00044401	mg/L	206.46724354	0.00017090	38.49115625	51.71549042	25.05	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525
Tl 190.794	Tl	nu	-0.00183600	-0.00183600	mg/L	1.56161948	0.00037162	20.24060004	2.32567475	> 100.00	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548
V 292.401	V	n	0.00026586	0.00026586	mg/L	-16.45907504	0.00018143	68.24385042	7.69612311	46.76	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533
Zn 206.200	Zn	nu	-0.00081210	-0.00081210	mg/L	41.21171435	0.00007531	9.27342094	3.66182220	8.89	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274
Y 371.029	Y		1.00	1.00	Ratio	228118.75	0.00	0.50	1132.25	0.50		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.99	0.99	Ratio	37960.51	0.00	0.51	192.12	0.51		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 506868 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775130	File:	icp data	Time:	23-APR-2024 17:12
Cal:	794164775001	Caldate:	23-APR-2024		

Standards: S20478

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	16369	13904	1.000	1.004	mg/L	0	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	225167	-1.52
Yttrium	R	38511	38196	-0.82

Instrument ID: MET12

Label: CCV,S20478 | **Rack:Tube:** S1:12 | **Type:** QC
Date Time: 4/23/2024 5:12:02 PM | **Weight:** - | **Volume:** -
Dilution: - | **%RSE limit:** - | **Calibration Coefficient [3]:** -
LIMS ID: | **Customer:** | **Customer Ref.:**
Sample Date Time: | **Sample Site:** | **Description:**
Replicates: 3 | **Flags Replicate 1:** | **Flags Replicate 2:**
Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.48662096	0.48662096	mg/L	29915.80794298	0.00191517	0.39356422	117.56882235	0.39		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301
Al 396.152	Al	n	1.03876501	1.03876501	mg/L	55577.37967895	0.00632188	0.60859588	335.70173056	0.60	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.557796102
As 188.980	As	n	1.03865915	1.03865915	mg/L	6495.83629408	0.00203284	0.19571808	12.69682933	0.20	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899
B 249.678	B	n	1.02100513	1.02100513	mg/L	47568.87091741	0.00646365	0.63306713	300.33184504	0.63	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364
Ba 230.424	Ba	n	0.96265041	0.96265041	mg/L	173773.26727095	0.00713236	0.74090906	1286.25761478	0.74	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688
Be 313.107	Be	n	1.01209518	1.01209518	mg/L	1656167.60569361	0.00793884	0.78439626	12990.82788844	0.78	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717
Ca 317.933	Ca-R	n	50.27608706	50.27608706	mg/L	418840.70566556	0.37427143	0.74443229	3110.54076763	0.74	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.922360567357
Cd 214.439	Cd	n	0.97580869	0.97580869	mg/L	269906.71885219	0.00619532	0.63489059	1713.35661946	0.63	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323
Co 230.786	Co	n	1.00936401	1.00936401	mg/L	65629.44226599	0.00725712	0.71897937	471.48112152	0.72	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437
Cr 267.716	Cr	n	0.96492885	0.96492885	mg/L	62052.88992552	0.00415908	0.43102453	267.59720713	0.43	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824
Cu 324.754	Cu	n	1.00349736	1.00349736	mg/L	59115.69659352	0.00353966	0.35273267	204.97285584	0.35	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.448303315
Fe 259.940	Fe	n	0.96497280	0.96497280	mg/L	52633.61400633	0.00204328	0.21174439	110.89703197	0.21	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111
K 766.491	K-R	n	58.86828401	58.86828401	mg/L	42028.20998175	0.52416417	0.89040165	373.92249734	0.89	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875
Li 670.783	Li-R	n	1.00961236	1.00961236	mg/L	54667.54274093	0.00773947	0.76657837	419.58453615	0.77	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	49.57783397	49.57783397	mg/L	32125.24924240	0.33560503	0.67692556	217.44256788	0.68	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122585875
Mn 257.610	Mn	nQ	0.74635096	0.74635096	mg/L	462790.45916049	0.00317739	0.42572323	1968.05553127	0.43	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923
Mo 204.598	Mo	n	1.02145593	1.02145593	mg/L	19004.53863841	0.00499308	0.48882008	92.85574597	0.49	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482
Na 589.592	Na-R	nQ	33.18833453	33.18833453	mg/L	185485.88101433	0.24050460	0.72466606	1343.16906344	0.72	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.795791858
Ni 231.604	Ni	n	0.98154091	0.98154091	mg/L	26515.50918766	0.00224559	0.22878196	60.64780189	0.23	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637
P 177.434	P	nQ	8.21994083	8.21994083	mg/L	1018.32345320	0.04745452	0.57730975	5.87197593	0.58		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479
Pb 220.353	Pb	n	1.00406363	1.00406363	mg/L	13903.85852217	0.00203068	0.20224642	28.04322425	0.20	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963
S 181.972	S	nQ	5.81007319	5.81007319	mg/L	8871.73673088	0.01388323	0.23895103	20.66782033	0.23		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216
Sb 206.834	Sb	n	1.02084232	1.02084232	mg/L	4883.49137951	0.00728646	0.71376911	34.98269510	0.72	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106
Se 196.026	Se	n	1.03855615	1.03855615	mg/L	4903.64622399	0.00477896	0.46015391	22.43373452	0.46	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361
Si 251.611	Si	nQ	5.64108765	5.64108765	mg/L	29723.28309527	0.19470194	3.45149638	1022.55330795	3.44		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081190260
Sn 189.925	Sn	n	4.92990859	4.92990859	mg/L	72776.37068892	0.02796067	0.56716413	412.44084694	0.57	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375
Sr 421.552	Sr-R	n	1.00069749	1.00069749	mg/L	277913.30560838	0.00692207	0.69172441	1920.63632004	0.69	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974
Ti 334.941	Ti	n	1.00777778	1.00777778	mg/L	305034.50585139	0.01032436	1.02446793	3124.15437097	1.02	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525
Tl 190.794	Tl	n	1.01604283	1.01604283	mg/L	6371.03998924	0.00642265	0.63212420	40.19454916	0.63	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548
V 292.401	V	n	1.00202649	1.00202649	mg/L	42483.96405808	0.00537046	0.53595993	227.80528626	0.54	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533
Zn 206.200	Zn	n	0.95567430	0.95567430	mg/L	46595.88731376	0.00555011	0.58075375	269.86844316	0.58	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274
Y 371.029	Y		0.98	0.98	Ratio	225167.49	0.01	0.56	1264.52	0.56		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.99	0.99	Ratio	38195.93	0.01	0.83	318.23	0.83		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775131	File:	icp data	Time:	23-APR-2024 17:15
Cal:	794164775001	Caldate:	23-APR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	232419	1.65
Yttrium	R	38511	38789	0.72

Instrument ID: MET12

Label: CCB | Rack:Tube: S1:1 | Type: QC

Date Time: 4/23/2024 5:15:09 PM | Weight: - | Volume: -

Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -

LIMS ID: | Customer: | Customer Ref.:

Sample Date Time: | Sample Site: | Description:

Replicates: 3

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00012754	-0.00012754	mg/L	24.93237130	0.00009678	75.88525733	5.94124679	23.83		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301
Al 396.152	Al	nu	-0.00037019	-0.00037019	mg/L	199.84821597	0.00050224	135.67048862	26.66950883	13.34	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026
As 188.980	As	nu	-0.00040667	-0.00040667	mg/L	6.03126108	0.00066700	164.01490876	4.16599867	69.07	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899
B 249.678	B	nu	-0.00008381	-0.00008381	mg/L	108.10577832	0.00057975	691.76969827	26.93812882	24.92	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364
Ba 230.424	Ba	nu	-0.00060049	-0.00060049	mg/L	47.01757470	0.00013919	23.17998465	25.10227408	53.39	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688
Be 313.107	Be	nu	0.00000171	0.00000171	mg/L	12.47459779	0.00000254	148.30623822	4.14938592	33.26	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717
Ca 317.933	Ca-R	nu	-0.00375818	-0.00375818	mg/L	984.13160712	0.00050264	13.37448644	4.17738491	0.42	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735
Cd 214.439	Cd	nu	-0.00002244	-0.00002244	mg/L	27.33043492	0.00001236	55.06048401	3.41756263	12.50	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323
Co 230.786	Co	nu	-0.00005519	-0.00005519	mg/L	45.14083756	0.00019086	345.84785544	12.39984883	27.47	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437
Cr 267.716	Cr	n	0.00008786	0.00008786	mg/L	-28.24111028	0.00008492	96.64996889	5.46384413	19.35	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824
Cu 324.754	Cu	n	0.00165779	0.00165779	mg/L	1082.14238929	0.00032441	19.56885619	18.78573119	1.74	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155
Fe 259.940	Fe	nu	-0.00104184	-0.00104184	mg/L	151.35412692	0.00013663	13.11453964	7.41561466	4.90	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111
K 766.491	K-R	nu	-0.01006597	-0.01006597	mg/L	27.27842769	0.05732851	569.52800817	40.89638611	> 100.00	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875
Li 670.783	Li-R	n	0.00298179	0.00298179	mg/L	111.16523854	0.00060082	20.14979431	32.57285098	29.30	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	nu	0.00070012	0.00070012	mg/L	2.84355075	0.00212463	303.46550678	1.37657583	48.41	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587
Mn 257.610	Mn	nu	-0.00035355	-0.00035355	mg/L	194.58168615	0.00007496	21.20092101	46.42764607	23.86	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923
Mo 204.598	Mo	n	0.00059365	0.00059365	mg/L	18.75452028	0.00050736	85.46537651	9.43535552	50.31	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482
Na 589.592	Na-R	nu	-0.02220619	-0.02220619	mg/L	57.48391992	0.00393594	17.72451360	21.98141298	38.24	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585
Ni 231.604	Ni	nu	-0.00017314	-0.00017314	mg/L	-0.10987001	0.00061219	353.58261878	16.53385578	> 100.00	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637
P 177.434	P	nu	-0.00406190	-0.00406190	mg/L	0.64270600	0.00323613	79.67041950	0.40043563	62.30		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479
Pb 220.353	Pb	nu	-0.00019349	-0.00019349	mg/L	34.86454984	0.00064680	334.27590904	8.93212891	25.62	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963
S 181.972	S	nu	-0.02909890	-0.02909890	mg/L	168.02384100	0.00356825	12.26249779	5.31201957	3.16		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216
Sb 206.834	Sb	nu	-0.00035090	-0.00035090	mg/L	-19.96290260	0.00106971	304.85204237	5.13574758	25.73	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106
Se 196.026	Se	nu	-0.00186077	-0.00186077	mg/L	21.61216392	0.00055378	29.76106341	2.59961278	12.03	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361
Si 251.611	Si	nu	-0.00513193	-0.00513193	mg/L	68.14882587	0.00101307	19.74059080	5.32055544	7.81		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026
Sn 189.925	Sn	nu	-0.00135341	-0.00135341	mg/L	35.36302388	0.00015220	11.24554226	2.24503056	6.35	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375
Sr 421.552	Sr-R	nu	-0.00012010	-0.00012010	mg/L	45.80109802	0.00009151	76.19719455	25.39109486	55.44	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974
Ti 334.941	Ti	n	0.00039122	0.00039122	mg/L	190.49850600	0.00016938	43.29476231	51.25438927	26.91	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525
Tl 190.794	Tl	nu	-0.00175972	-0.00175972	mg/L	2.03878724	0.00007890	4.48352151	0.49375988	24.22	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548
V 292.401	V	nu	0.00001811	0.00001811	mg/L	-26.96678819	0.00030037	1658.38771610	12.74107316	47.25	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533
Zn 206.200	Zn	nu	-0.00053776	-0.00053776	mg/L	54.57043465	0.00019405	36.08479411	9.43547951	17.29	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274
Y 371.029	Y		1.02	1.02	Ratio	232418.60	0.01	0.81	1876.89	0.81		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.01	1.01	Ratio	38788.56	0.01	0.50	192.67	0.50		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 506868 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775142	File:	icp data	Time:	23-APR-2024 17:49
Cal:	794164775001	Caldate:	23-APR-2024		

Standards: S20478

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	16369	13831	1.000	0.9988	mg/L	0	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	229051	0.18
Yttrium	R	38511	38365	-0.38

Instrument ID: MET12

Label:	CCV,S20478	Rack:Tube:	S1:12	Type:	QC
Date Time:	4/23/2024 5:49:27 PM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3	Flags Replicate 1:		Flags Replicate 2:	
Flags Replicate 3:					

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.48589174	0.48589174	mg/L	29871.06323750	0.00095065	0.19565101	58.35893636	0.20		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301
Al 396.152	Al	n	1.03855721	1.03855721	mg/L	55566.63625312	0.00323692	0.31167447	171.88536907	0.31	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026
As 188.980	As	n	1.03984375	1.03984375	mg/L	6503.23484834	0.00071174	0.06844705	4.44543333	0.07	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899
B 249.678	B	n	1.01213456	1.01213456	mg/L	47156.73758919	0.00284696	0.28128314	132.28349500	0.28	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364
Ba 230.424	Ba	n	0.95896427	0.95896427	mg/L	173108.53807928	0.00462233	0.48201302	833.59605089	0.48	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688
Be 313.107	Be	n	1.00851323	1.00851323	mg/L	1650306.24264831	0.00445006	0.44124953	7281.91862322	0.44	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717
Ca 317.933	Ca-R	n	50.45538570	50.45538570	mg/L	420330.80045132	0.34262345	0.67906219	2847.51685107	0.68	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735
Cd 214.439	Cd	n	0.97343471	0.97343471	mg/L	269250.17934117	0.00415153	0.42648236	1148.13272494	0.43	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323
Co 230.786	Co	n	1.00436742	1.00436742	mg/L	65304.82937403	0.00361248	0.35967747	234.69612269	0.36	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437
Cr 267.716	Cr	n	0.95988289	0.95988289	mg/L	61728.23368771	0.00215285	0.22428254	138.51538653	0.22	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824
Cu 324.754	Cu	n	1.00119579	1.00119579	mg/L	58982.47653587	0.00241578	0.24128961	139.89173538	0.24	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155
Fe 259.940	Fe	n	0.95347953	0.95347953	mg/L	52009.94732651	0.00146326	0.15346544	79.41725608	0.15	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111
K 766.491	K-R	n	59.14302342	59.14302342	mg/L	42224.19329460	0.61614205	1.04178314	439.53666707	1.04	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875
Li 670.783	Li-R	n	1.00826004	1.00826004	mg/L	54594.19938187	0.01104337	1.09529016	598.70101363	1.10	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	49.86834527	49.86834527	mg/L	32313.47554604	0.37598961	0.75396447	243.60822326	0.75	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587
Mn 257.610	Mn	nQ	0.74077719	0.74077719	mg/L	459338.30330340	0.00207841	0.28057099	1287.35186756	0.28	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923
Mo 204.598	Mo	n	1.02285016	1.02285016	mg/L	19030.46929055	0.00548329	0.53607938	101.97206791	0.54	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482
Na 589.592	Na-R	nQ	33.28481038	33.28481038	mg/L	186024.58606320	0.29615133	0.88974918	1653.94469585	0.89	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585
Ni 231.604	Ni	n	0.97589656	0.97589656	mg/L	26363.07323431	0.00126506	0.12963043	34.16611802	0.13	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637
P 177.434	P	nQ	8.49659764	8.49659764	mg/L	1052.55681538	0.02326812	0.27385217	2.87917404	0.27		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479
Pb 220.353	Pb	n	0.99876681	0.99876681	mg/L	13830.70544533	0.00170931	0.17114247	23.60520419	0.17	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963
S 181.972	S	nQ	5.81202924	5.81202924	mg/L	8874.67117738	0.01266352	0.21788467	18.85205252	0.21		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216
Sb 206.834	Sb	n	1.01952871	1.01952871	mg/L	4877.18519713	0.00636459	0.62426787	30.55675924	0.63	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106
Se 196.026	Se	n	1.03822783	1.03822783	mg/L	4902.10269926	0.00369755	0.35614040	17.35730873	0.35	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361
Si 251.611	Si	n	5.47173450	5.47173450	mg/L	28833.86298360	0.15400919	2.81463202	808.83945478	2.81		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026
Sn 189.925	Sn	n	4.94786865	4.94786865	mg/L	73041.29688679	0.00683480	0.13813634	100.81848257	0.14	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375
Sr 421.552	Sr-R	n	1.00040638	1.00040638	mg/L	277832.79449989	0.00948541	0.94815586	2631.87595201	0.95	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974
Ti 334.941	Ti	n	1.01186398	1.01186398	mg/L	306270.99784017	0.00343062	0.33904006	1038.10787189	0.34	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525
Tl 190.794	Tl	n	1.02560152	1.02560152	mg/L	6430.85955981	0.00226514	0.22085955	14.17579960	0.22	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548
V 292.401	V	n	1.00069060	1.00069060	mg/L	42427.31263877	0.00306030	0.30581883	129.81243958	0.31	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533
Zn 206.200	Zn	n	0.98113140	0.98113140	mg/L	47833.75911212	0.00365814	0.37284918	177.87321024	0.37	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274
Y 371.029	Y		1.00	1.00	Ratio	229050.57	0.01	0.55	1264.14	0.55		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.00	1.00	Ratio	38364.58	0.01	0.79	304.21	0.79		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775143	File:	icp data	Time:	23-APR-2024 17:52
Cal:	794164775001	Caldate:	23-APR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	236032	3.23
Yttrium	R	38511	39017	1.31

Instrument ID: MET12

Label:	CCB	**Rack:Tube:**	S1:1	**Type:**	QC
Date Time:	4/23/2024 5:52:35 PM	**Weight:**	-	**Volume:**	-
Dilution:	-	**%RSE limit:**	-	**Calibration Coefficient [3]:**	-
LIMS ID:		**Customer:**		**Customer Ref.:**	
Sample Date Time:		**Sample Site:**		**Description:**	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00004597	-0.00004597	mg/L	29.93602411	0.00015422	335.48410664	9.46719925	31.62		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.320727430
Al 396.152	Al	nu	-0.00055513	-0.00055513	mg/L	189.93790696	0.00055025	99.12056600	29.21910830	15.38	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.557796102
As 188.980	As	nu	0.00030804	0.00030804	mg/L	10.49521347	0.00043721	141.93243017	2.73077730	26.02	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.8459946889
B 249.678	B	nu	-0.00017579	-0.00017579	mg/L	103.82584841	0.00024179	137.54711469	11.23492202	10.82	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.759768136
Ba 230.424	Ba	nu	-0.00062650	-0.00062650	mg/L	42.32385666	0.00006332	10.10620032	11.41831853	26.98	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.99105468
Be 313.107	Be	nu	0.00000332	0.00000332	mg/L	15.10551119	0.00000360	108.62598577	5.89764294	39.04	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.1601871
Ca 317.933	Ca-R	nu	-0.00379180	-0.00379180	mg/L	983.85530890	0.00147103	38.79504569	12.22560566	1.24	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.9223605673
Cd 214.439	Cd	nu	-0.00003405	-0.00003405	mg/L	24.12366422	0.00002944	86.48111338	8.14254412	33.75	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.70605632
Co 230.786	Co	nu	-0.00001090	-0.00001090	mg/L	48.01665916	0.00018486	1695.54440466	12.01027752	25.01	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.084529143
Cr 267.716	Cr	n	0.00009395	0.00009395	mg/L	-27.85120253	0.00009267	98.64397471	5.96269348	21.41	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.479616382
Cu 324.754	Cu	n	0.00140138	0.00140138	mg/L	1067.28764464	0.00015590	11.12478017	9.02776892	0.85	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.448303315
Fe 259.940	Fe	nu	-0.00078171	-0.00078171	mg/L	165.45623042	0.00187518	239.88042240	101.77370187	61.51	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.137206111
K 766.491	K-R	nu	-0.00014809	-0.00014809	mg/L	34.35308371	0.03629560	24509.23748824	25.89215505	75.37	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.36905008887
Li 670.783	Li-R	nZ	0.00364784	0.00364784	mg/L	147.28027669	0.00038223	10.47811139	20.72180421	14.07	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	nu	-0.00650046	-0.00650046	mg/L	-1.82186453	0.00557013	85.68814327	3.60895327	> 100.00	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.91212225858
Mn 257.610	Mn	nu	-0.00036317	-0.00036317	mg/L	188.60492720	0.00004023	11.07843029	24.92036826	13.21	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.86711592
Mo 204.598	Mo	nu	0.00051908	0.00051908	mg/L	17.36736977	0.00055788	107.47436611	10.37487287	59.74	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.880788048
Na 589.592	Na-R	nu	-0.02545318	-0.02545318	mg/L	39.36498978	0.00178353	7.00708094	9.96062374	25.30	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.7957971858
Ni 231.604	Ni	nu	0.00004793	0.00004793	mg/L	5.86031617	0.00032021	668.11638250	8.64802292	> 100.00	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.530604763
P 177.434	P	nu	-0.00199275	-0.00199275	mg/L	0.89872370	0.00506859	254.35171773	0.62718204	69.79		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.73902359347
Pb 220.353	Pb	nu	-0.00042999	-0.00042999	mg/L	31.60028847	0.00040633	94.49765368	5.61127666	17.76	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.751250296
S 181.972	S	nu	-0.03119737	-0.03119737	mg/L	164.89583206	0.00149754	4.80019639	2.22936508	1.35		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.6896748121
Sb 206.834	Sb	nu	0.00054796	0.00054796	mg/L	-15.64723666	0.00141414	258.07121599	6.78936439	43.39	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.0568954310
Se 196.026	Se	nu	-0.00188261	-0.00188261	mg/L	21.51035982	0.00056757	30.14808221	2.66432959	12.39	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361
Si 251.611	Si	nu	-0.00332451	-0.00332451	mg/L	77.64059308	0.00212536	63.93003232	11.16214979	14.38		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.8908119802
Sn 189.925	Sn	nu	-0.00120703	-0.00120703	mg/L	37.52171097	0.00033392	27.66444535	4.92555246	13.13	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.748217237
Sr 421.552	Sr-R	nu	-0.00014275	-0.00014275	mg/L	39.43821785	0.00002104	14.73799435	5.83730460	14.80	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.65176997
Ti 334.941	Ti	n	0.00034799	0.00034799	mg/L	177.41098972	0.00020489	58.87912979	62.00104941	34.95	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.28759352
Tl 190.794	Tl	nu	-0.00141101	-0.00141101	mg/L	4.22136787	0.00087631	62.10513295	5.48415463	> 100.00	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.2474171254
V 292.401	V	nu	0.00019417	0.00019417	mg/L	-19.50300991	0.00026374	135.82897627	11.18739905	57.36	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.204117453
Zn 206.200	Zn	n	0.00785893	0.00785893	mg/L	462.84538315	0.00452231	57.54363977	219.89274643	47.51	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.942777127
Y 371.029	Y		1.03	1.03	Ratio	236031.61	0.01	0.67	1573.16	0.67		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.01	1.01	Ratio	39016.98	0.01	1.13	439.04	1.13		-	-	-	Fitted	-	-

ENTHALPY CONTINUING CALIBRATION FOR 506868 METALS Wipe
EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775154	File:	icp data	Time:	23-APR-2024 18:26
Cal:	794164775001	Caldate:	23-APR-2024		

Standards: S20478

Analyte	Ch	ICAL Avg RF/CF	Run RF/CF	Spiked	Quant	Units	%D	Max %D	Flags
Lead	A	16369	13860	1.000	1.001	mg/L	0	10	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	227285	-0.60
Yttrium	R	38511	37980	-1.38

Instrument ID: MET12

Label: CCV,S20478 | Rack:Tube: S1:12 | Type: QC
Date Time: 4/23/2024 6:26:53 PM | Weight: - | Volume: -
Dilution: - | %RSE limit: - | Calibration Coefficient [3]: -
LIMS ID: | Customer: | Customer Ref.:
Sample Date Time: | Sample Site: | Description:
Replicates: 3 | Flags Replicate 1: | Flags Replicate 2:
Flags Replicate 3:

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	n	0.48507385	0.48507385	mg/L	29820.90505782	0.00168317	0.34699182	103.32677063	0.35		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301
Al 396.152	Al	n	1.03742157	1.03742157	mg/L	55507.21900422	0.00797185	0.76842933	423.31774066	0.76	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.557796102
As 188.980	As	n	1.04283619	1.04283619	mg/L	6521.92484517	0.00340446	0.32646186	21.26374784	0.33	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899
B 249.678	B	n	1.02035332	1.02035332	mg/L	47538.70512193	0.00478209	0.46867007	222.19869258	0.47	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364
Ba 230.424	Ba	n	0.95987839	0.95987839	mg/L	173273.46052792	0.00430343	0.44833052	776.08443341	0.45	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688
Be 313.107	Be	n	1.00987896	1.00987896	mg/L	1652541.07591454	0.00665447	0.65893779	10889.14290791	0.66	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717
Ca 317.933	Ca-R	n	50.67082732	50.67082732	mg/L	422121.23416080	0.44834038	0.88480967	3726.12210866	0.88	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735
Cd 214.439	Cd	n	0.97777233	0.97777233	mg/L	270449.78198087	0.00301678	0.30853648	834.31192910	0.31	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323
Co 230.786	Co	n	1.00797037	1.00797037	mg/L	65538.92348971	0.00205513	0.20388797	133.51788379	0.20	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437
Cr 267.716	Cr	n	0.96229951	0.96229951	mg/L	61883.73179041	0.00655067	0.68073100	421.47331884	0.68	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824
Cu 324.754	Cu	n	1.00231303	1.00231303	mg/L	59047.29441381	0.00451612	0.45056941	261.51674709	0.44	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.448303315
Fe 259.940	Fe	n	0.95495536	0.95495536	mg/L	52090.31992394	0.00567951	0.59474082	308.25046794	0.59	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111
K 766.491	K-R	n	59.29028872	59.29028872	mg/L	42329.23790328	0.45834140	0.77304633	326.96657011	0.77	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875
Li 670.783	Li-R	n	1.00830648	1.00830648	mg/L	54596.64088655	0.00860465	0.85337690	466.48930744	0.85	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	n	50.02511397	50.02511397	mg/L	32415.04969695	0.51978564	1.03904940	336.77542024	1.04	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122585875
Mn 257.610	Mn	nQ	0.74552034	0.74552034	mg/L	462276.63172252	0.00471692	0.63270179	2921.63167619	0.63	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923
Mo 204.598	Mo	n	1.02567067	1.02567067	mg/L	19082.92758794	0.00780307	0.76077726	145.11274786	0.76	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482
Na 589.592	Na-R	nQ	33.37495410	33.37495410	mg/L	186527.79688848	0.27021411	0.80963140	1509.09061833	0.81	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.7957971858
Ni 231.604	Ni	n	0.97895613	0.97895613	mg/L	26445.71349253	0.00469756	0.47985366	126.86940891	0.48	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637
P 177.434	P	nQ	9.01457851	9.01457851	mg/L	1116.65153190	0.06565099	0.72827580	8.12358984	0.73		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479
Pb 220.353	Pb	n	1.00089351	1.00089351	mg/L	13860.06600210	0.00551889	0.55139633	76.21449914	0.55	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963
S 181.972	S	nQ	5.89034363	5.89034363	mg/L	8991.31194555	0.02257635	0.38327731	33.60918011	0.37		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216
Sb 206.834	Sb	n	1.02553702	1.02553702	mg/L	4906.03247988	0.00442904	0.43187542	21.26408411	0.43	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106
Se 196.026	Se	n	1.04384241	1.04384241	mg/L	4928.45153239	0.00507890	0.48655851	23.84176998	0.48	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361
Si 251.611	Si	n	5.45381201	5.45381201	mg/L	28739.74567771	0.15805141	2.89799878	830.06872586	2.89		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026
Sn 189.925	Sn	n	4.95297300	4.95297300	mg/L	73116.59518527	0.03622874	0.73145452	534.40109085	0.73	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375
Sr 421.552	Sr-R	n	1.00084196	1.00084196	mg/L	277954.43830094	0.00858351	0.85762904	2381.62955602	0.86	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974
Ti 334.941	Ti	n	1.01027055	1.01027055	mg/L	305788.86112328	0.00480356	0.47547292	1453.55952959	0.48	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525
Tl 190.794	Tl	n	1.03025715	1.03025715	mg/L	6459.99271218	0.00308658	0.29959300	19.31657079	0.30	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548
V 292.401	V	n	0.99947553	0.99947553	mg/L	42375.81290012	0.00578284	0.57858730	245.29762023	0.58	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533
Zn 206.200	Zn	n	0.95887414	0.95887414	mg/L	46751.65822422	0.00357965	0.37331796	174.05666639	0.37	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274
Y 371.029	Y		0.99	0.99	Ratio	227285.05	0.00	0.43	975.04	0.43		-	-	-	Fitted	-	-
Y 371.029	Y-R		0.99	0.99	Ratio	37979.58	0.01	1.40	531.60	1.40		-	-	-	Fitted	-	-

ENTHALPY INSTRUMENT BLANK FOR 506868 METALS Wipe

EPA 6010B

Inst:	MET12			IDF:	1.0
Seqnum:	794164775155	File:	icp data	Time:	23-APR-2024 18:30
Cal:	794164775001	Caldate:	23-APR-2024		

Analyte	Ch	Quant	IQL	LOD	Units	Flags
Lead	A	ND	0.003333	---	mg/L	

ISTD (ICALBLK 001)	Ch	ICALBLK Abund	Abund	%Drift
Yttrium	A	228647	234943	2.75
Yttrium	R	38511	38787	0.72

Instrument ID: MET12

Label:	CCB	Rack:Tube:	S1:1	Type:	QC
Date Time:	4/23/2024 6:30:00 PM	Weight:	-	Volume:	-
Dilution:	-	%RSE limit:	-	Calibration Coefficient [3]:	-
LIMS ID:		Customer:		Customer Ref.:	
Sample Date Time:		Sample Site:		Description:	
Replicates:	3				

Element	Element Label	Flags	Unadjusted Data	Concentration	Unit	Intensity	Concentration SD	Concentration % RSD	Intensity SD	Intensity % RSD	%RSE	Internal Standard	Calibration fit	Correlation coefficient	Background correction	Calibration Coefficient [1]	Calibration Coefficient [2]
Ag 328.068	Ag	nu	-0.00009376	-0.00009376	mg/L	27.00409100	0.00006271	66.88347819	3.84980500	14.26		Y (371.029 nm)	Linear	1.00000	Fitted	32.7648189328332	61388.3207274301
Al 396.152	Al	nu	-0.00072809	-0.00072809	mg/L	180.80513341	0.00013151	18.06167383	6.98316789	3.86	6.54028956	Y (371.029 nm)	Linear	0.99999	Fitted	219.625628003797	53101.5577961026
As 188.980	As	nu	0.00038002	0.00038002	mg/L	10.94487412	0.00072849	191.69691380	4.55006494	41.57	3.18434956	Y (371.029 nm)	Linear	0.99997	Fitted	8.57142871088519	6245.84599468899
B 249.678	B	nu	-0.00023855	-0.00023855	mg/L	100.91370685	0.00035825	150.18087807	16.64612374	16.50	2.05162820	Y (371.029 nm)	Linear	1.00000	Fitted	112.00465501384	46464.7597681364
Ba 230.424	Ba	nu	-0.00067554	-0.00067554	mg/L	33.48148351	0.00001923	2.84731545	3.46883481	10.36	6.09869726	Y (371.029 nm)	Linear	0.99990	Fitted	155.310487429335	180340.991054688
Be 313.107	Be	n	0.00000363	0.00000363	mg/L	15.62428230	0.00000261	71.79188947	4.26990921	27.33	1.74506676	Y (371.029 nm)	Linear	0.99996	Fitted	9.67715731099278	1636364.16018717
Ca 317.933	Ca-R	nu	-0.00549808	-0.00549808	mg/L	969.67321611	0.00115153	20.94415821	9.57024604	0.99	23.93021169	Y-R (371.029 nm)	Linear	0.99991	Fitted	1015.36761807391	8310.92236056735
Cd 214.439	Cd	nu	-0.00000650	-0.00000650	mg/L	31.73951427	0.00000771	118.69034383	2.13271295	6.72	6.32809207	Y (371.029 nm)	Linear	0.99979	Fitted	33.5344519127928	276556.706056323
Co 230.786	Co	nu	0.00000761	0.00000761	mg/L	49.21964549	0.00015552	2044.52695426	10.10412697	20.53	3.22960176	Y (371.029 nm)	Linear	0.99993	Fitted	48.7273684654202	64968.0845291437
Cr 267.716	Cr	n	0.00008304	0.00008304	mg/L	-28.55175993	0.00006347	76.43134303	4.08378516	14.30	2.71757563	Y (371.029 nm)	Linear	0.99992	Off-Peak Left+Right	-33.8919660146538	64340.4796163824
Cu 324.754	Cu	n	0.00143754	0.00143754	mg/L	1069.38718066	0.00013270	9.23082533	7.68410825	0.72	1.90673103	Y (371.029 nm)	Linear	0.99998	Fitted	986.145960919311	57907.4483033155
Fe 259.940	Fe	nu	-0.00244226	-0.00244226	mg/L	75.34112148	0.00009985	4.08851249	5.41937629	7.19	18.94181597	Y (371.029 nm)	Linear	0.99985	Off-Peak Left+Right	207.907517894086	54274.1372061111
K 766.491	K-R	n	0.01747275	0.01747275	mg/L	46.92331862	0.00952620	54.52029911	6.79569320	14.48	52.20983342	Y-R (371.029 nm)	Linear	0.99998	Fitted	34.4614846171031	713.369050088875
Li 670.783	Li-R	n	0.00308953	0.00308953	mg/L	117.00916528	0.00118280	38.28396472	64.12361242	54.80	14.87165445	Y-R (371.029 nm)	Linear	0.99999	FACT	-50.4941432910804	54213.60072536
Mg 279.800	Mg-R	nu	0.00188364	0.00188364	mg/L	3.61024204	0.00437980	232.51871863	2.83772828	78.60	5.12979990	Y-R (371.029 nm)	Linear	0.99998	Fitted	2.39000108551145	647.912122258587
Mn 257.610	Mn	nu	-0.00039165	-0.00039165	mg/L	170.96915359	0.00000903	2.30616689	5.59449235	3.27	29.98050820	Y (371.029 nm)	Linear	0.99989	Fitted	413.572981047437	619393.867115923
Mo 204.598	Mo	nu	0.00051376	0.00051376	mg/L	17.26949945	0.00069674	135.61521924	12.95718144	75.03	3.99862725	Y (371.029 nm)	Linear	0.99998	Fitted	7.71498685263083	18596.8807880482
Na 589.592	Na-R	nu	-0.03013460	-0.03013460	mg/L	13.21128916	0.00640111	21.24173069	35.74890008	> 100.00	8.35138679	Y-R (371.029 nm)	Linear	1.00000	Fitted	181.48947777409	5584.79579718585
Ni 231.604	Ni	nu	-0.00045933	-0.00045933	mg/L	-7.83955611	0.00013935	30.33844756	3.76362990	48.01	5.16137617	Y (371.029 nm)	Linear	0.99989	Off-Peak Left+Right	4.56607310121834	27007.5306047637
P 177.434	P	nu	0.00609867	0.00609867	mg/L	1.89995911	0.00664687	108.98869988	0.82247670	43.29		Y (371.029 nm)	Linear	1.00000	Fitted	1.14533138113953	123.739023593479
Pb 220.353	Pb	nu	-0.00108164	-0.00108164	mg/L	22.59219903	0.00020140	18.61984599	2.78127251	12.31	8.21782232	Y (371.029 nm)	Linear	0.99988	Off-Peak Right	37.535753069574	13809.7512502963
S 181.972	S	nu	-0.02864080	-0.02864080	mg/L	168.70498023	0.00351773	12.28223033	5.23680738	3.10		Y (371.029 nm)	Linear	1.00000	Fitted	211.346541326681	1488.68967481216
Sb 206.834	Sb	n	0.00135062	0.00135062	mg/L	-11.79404847	0.00043435	32.15943381	2.08535005	17.68	3.01326908	Y (371.029 nm)	Linear	0.99998	Off-Peak Right	-18.2786265427354	4801.05689543106
Se 196.026	Se	nu	-0.00176481	-0.00176481	mg/L	22.06289551	0.00066232	37.52904950	3.10909966	14.09	4.82098425	Y (371.029 nm)	Linear	0.99986	Fitted	30.346114849529	4694.2744765361
Si 251.611	Si	nu	-0.00596252	-0.00596252	mg/L	63.78655687	0.00061745	10.35559253	3.24280493	5.08		Y (371.029 nm)	Linear	1.00000	Fitted	95.1016294016755	5251.89081198026
Sn 189.925	Sn	nu	-0.00159584	-0.00159584	mg/L	31.78671347	0.00037524	23.51371988	5.53508860	17.41	28.96245558	Y (371.029 nm)	Linear	0.99989	Fitted	55.3272294245965	14750.7482172375
Sr 421.552	Sr-R	nu	-0.00008297	-0.00008297	mg/L	56.07019041	0.00002604	31.38316102	7.22455554	12.88	3.13566688	Y-R (371.029 nm)	Linear	0.99989	Fitted	79.2283282919343	277465.651769974
Ti 334.941	Ti	n	0.00039446	0.00039446	mg/L	191.47497740	0.00018018	45.67884639	54.52373042	28.48	1.13900270	Y (371.029 nm)	Linear	1.00000	Fitted	72.1222152678017	302600.287593525
Tl 190.794	Tl	nu	-0.00120912	-0.00120912	mg/L	5.48473667	0.00024106	19.93657220	1.50858950	27.51	8.09548191	Y (371.029 nm)	Linear	0.99981	Fitted	13.0512701094019	6258.24741712548
V 292.401	V	nu	0.00004532	0.00004532	mg/L	-25.81390464	0.00017994	397.01935577	7.63271267	29.57	1.10167258	Y (371.029 nm)	Linear	0.99998	Off-Peak Left+Right	-27.7295518631979	42418.2041174533
Zn 206.200	Zn	nu	0.00028705	0.00028705	mg/L	94.66861776	0.00111760	389.33797919	54.34217684	57.40	9.52083176	Y (371.029 nm)	Linear	0.99953	Fitted	80.7217044004	48623.9427771274
Y 371.029	Y		1.03	1.03	Ratio	234943.33	0.01	0.87	2034.55	0.87		-	-	-	Fitted	-	-
Y 371.029	Y-R		1.01	1.01	Ratio	38787.06	0.01	0.72	277.87	0.72		-	-	-	Fitted	-	-

Attachment 4

ProUCL Input and Output Files

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 7
ProUCL Lead Input File

Sample ID	LeadResults	d_LeadResults
AFRAME-C13W-LAT-L2-UP-C13.1-VS-240315-I	110	1
AFRAME-C13W-LAT-L2-UP-C13.6-VS-240315-LA	21	1
AFRAME-C14W-LAT-L2-INT-0.5 TO 1-240315-FB	21	1
AFRAME-C13W-LAT-L2-DN-C13.7-VS-240315-I	51	1
AFRAME-C13W-MED-L2-DN-C13.6-DG-240315-LA	82	1
AFRAME-C13W-LAT-L2-DN-C13.5-DG-240315-LA	43	1
AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-DUP-WF	150	1
AFRAME-C14W-MED-L2-INT-0 TO 0.5-240315-FB	71	1
AFRAME-C13W-MED-L1-UP-C13.6-DG-240315-SS	110	1
AFRAME-C13W-LAT-L1-UP-C13.7-DG-240315-LA	91	1
AFRAME-C14W-LAT-L1-HS-3-240315-A	63	1
AFRAME-C14W-MED-L1-HS-3-240315-DUP-A	70	1
AFRAME-C14W-MED-L1-HS-3-240315-G	21	1
AFRAME-C13W-LAT-L1-DN-C13.7-HS-240315-LA	66	1
AFRAME-C13W-LAT-L1-UP-C13.6-DG-240315-CB	74	1
AFRAME-C14W-MED-L1-EXT-1 TO 2-240315-WF	94	1
AFRAME-C13W-MED-L1-DN-C13.7-DG-240315-SS	48	1
AFRAME-C13W-LAT-L1-DN-C13.7-DG-240315-CB	180	1
AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-LA	57	1
AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-LA	31	1
AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-WF	79	1
AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-LA	28	1
AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-LA	20	1
AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-DUP-WF	22	1
AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-LA	48	1
AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-LA	53	1
AFRAME-C14W-MED-L2-HS-1-240315-G	39	1
AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-I	97	1
AFRAME-C13E-LAT-L2-UP-C13.2-VS-240422-I	460	1
AFRAME-C13E-LAT-L2-UP-C13.6-VS-240422-LA	320	1
AFRAME-C14E-LAT-L2-INT-0.5 TO 1-240422-FB	170	1
AFRAME-C13E-LAT-L2-DN-C13.7-VS-240422-I	19	1
AFRAME-C13E-MED-L2-DN-C13.6-DG-240422-LA	380	1
AFRAME-C13E-LAT-L2-DN-C13.5-DG-240422-LA	330	1
AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-WF	77	1
AFRAME-C14E-MED-L2-INT-0 TO 0.5-240422-FB	75	1
AFRAME-C13E-MED-L1-UP-C13.6-DG-240422-SS	260	1
AFRAME-C13E-LAT-L1-UP-C13.7-DG-240422-LA	29	1
AFRAME-C14E-LAT-L1-HS-3-240422-A	110	1
AFRAME-C14E-MED-L1-HS-3-240422-A	68	1

Sample ID	LeadResults	d_LeadResults
AFRAME-C14E-MED-L1-HS-3-240422-G	330	1
AFRAME-C13E-LAT-L1-UP-C13.7-HS-240422-LA	29	1
AFRAME-C13E-LAT-L1-UP-C13.6-DG-240422-CB	130	1
AFRAME-C14E-MED-L1-EXT-1 TO 2-240422-WF	33	1
AFRAME-C13E-MED-L1-DN-C13.7-DG-240422-SS	38	1
AFRAME-C13E-LAT-L1-DN-C13.7-DG-240422-CB	100	1
AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-LA	160	1
AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-LA	120	1
AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-WF	130	1
AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-LA	160	1
AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-DUP-WF	130	1
AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-LA	83	1
AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-LA	130	1
AFRAME-C14E-MED-L2-HS-1-240422-G	320	1
AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-I	140	1
AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-LA	34	1

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 7
ProUCL Lead Output File

UCL Statistics for Data Sets with Non-Detects	
User Selected Options	
Date/Time of Computation	ProUCL 5.2 7/23/2024 10:58:34 AM
From File	Z7_HO_Lead_UCL_Input_20240723.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

LeadResults

General Statistics			
Total Number of Observations	56	Number of Distinct Observations	44
		Number of Missing Observations	0
Minimum	19	Mean	110.8
Maximum	460	Median	78
SD	100.4	Std. Error of Mean	13.41
Coefficient of Variation	0.906	Skewness	1.779

Normal GOF Test		
Shapiro Wilk Test Statistic	0.781	**Shapiro Wilk GOF Test**
1% Shapiro Wilk P Value	9.697E-11	Data Not Normal at 1% Significance Level
Lilliefors Test Statistic	0.192	**Lilliefors GOF Test**
1% Lilliefors Critical Value	0.136	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	133.2	95% Adjusted-CLT UCL (Chen-1995)	136.3
		95% Modified-t UCL (Johnson-1978)	133.8

Gamma GOF Test		
A-D Test Statistic	0.858	**Anderson-Darling Gamma GOF Test**
5% A-D Critical Value	0.767	Data Not Gamma Distributed at 5% Significance Level
K-S Test Statistic	0.0869	**Kolmogorov-Smirnov Gamma GOF Test**
5% K-S Critical Value	0.121	Detected data appear Gamma Distributed at 5% Significance Level
Detected data follow Appr. Gamma Distribution at 5% Significance Level		

Gamma Statistics			
k hat (MLE)	1.606	k star (bias corrected MLE)	1.532
Theta hat (MLE)	68.99	Theta star (bias corrected MLE)	72.32
nu hat (MLE)	179.9	nu star (bias corrected)	171.6
MLE Mean (bias corrected)	110.8	MLE Sd (bias corrected)	89.52
		Approximate Chi Square Value (0.05)	142.3
Adjusted Level of Significance	0.0457	Adjusted Chi Square Value	141.6

Assuming Gamma Distribution			
95% Approximate Gamma UCL	133.6	95% Adjusted Gamma UCL	134.3

Lognormal GOF Test		
Shapiro Wilk Test Statistic	0.959	**Shapiro Wilk Lognormal GOF Test**
10% Shapiro Wilk P Value	0.109	Data appear Lognormal at 10% Significance Level
Lilliefors Test Statistic	0.0606	**Lilliefors Lognormal GOF Test**
10% Lilliefors Critical Value	0.108	Data appear Lognormal at 10% Significance Level
Data appear Lognormal at 10% Significance Level		

Lognormal Statistics			
Minimum of Logged Data	2.944	Mean of logged Data	4.375
Maximum of Logged Data	6.131	SD of logged Data	0.817

Assuming Lognormal Distribution			
95% H-UCL	142.2	90% Chebyshev (MVUE) UCL	149.6
95% Chebyshev (MVUE) UCL	171.6	97.5% Chebyshev (MVUE) UCL	192.5
99% Chebyshev (MVUE) UCL	249.8		

Nonparametric Distribution Free UCL Statistics
Data appear to follow a Discernible Distribution

Nonparametric Distribution Free UCLs			
95% CLT UCL	132.9	95% BCA Bootstrap UCL	135.1
95% Standard Bootstrap UCL	132.5	95% Bootstrap-t UCL	134.6
95% Hall's Bootstrap UCL	135.8	95% Percentile Bootstrap UCL	131.4
90% Chebyshev(Mean, Sd) UCL	151	95% Chebyshev(Mean, Sd) UCL	165.7
97.5% Chebyshev(Mean, Sd) UCL	194.6	99% Chebyshev(Mean, Sd) UCL	237

Suggested UCL to Use			
95% Approximate Gamma UCL	133.6		

When a data set follows an approximate distribution passing only one of the GOF tests,
it is suggested to use a UCL based upon a distribution passing both GOF tests in ProUCL

Note: Suggestions regarding the selection of a 95% UCL are provided to help the user to select the most appropriate 95% UCL.
Recommendations are based upon data size, data distribution, and skewness using results from simulation studies.
However, simulations results will not cover all Real World data sets; for additional insight the user may want to consult a statistician.

Attachment 4
Hangar 1 Data Summary Submittal for the High Occupancy Area of Zone 7
ProUCL PCBs Input File

Sample ID	Aroclor 1016	Aroclor 1221	Aroclor 1232	Aroclor 1242	Aroclor 1248	Aroclor 1254	Aroclor 1260	Aroclor 1262	Aroclor 1268	d_Aroclor 1016	d_Aroclor 1221	d_Aroclor 1232	d_Aroclor 1242	d_Aroclor 1248	d_Aroclor 1254	d_Aroclor 1260	d_Aroclor 1262	d_Aroclor 1268
AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C14W-MED-L2-HS-1-240315-G	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-I	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-WF	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C14E-MED-L2-HS-1-240422-G	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-I	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0
AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-LA	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	<0.50	0	0	0	0	0	0	0	0	0

UCL Statistics for Data Sets with Non-Detects

User Selected Options	
Date/Time of Computation	ProUCL 5.2 5/6/2024 11:29:28 AM
From File	Z7_HO_PCB_UCL_Input_20240503.xls
Full Precision	OFF
Confidence Coefficient	95%
Number of Bootstrap Operations	2000

Aroclor 1016

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1016 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1221

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1221 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1232

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1232 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1242

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1242 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1248

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1248 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1254

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1254 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1260

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1260 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1262

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1262 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

Aroclor 1268

General Statistics			
Total Number of Observations	0	Number of Distinct Observations	0
		Number of Missing Observations	20
Minimum	N/A	Mean	N/A
Maximum	N/A	Median	N/A

Warning: This data set only has 0 observations!
Data set is too small to compute reliable and meaningful statistics and estimates!
The data set for variable Aroclor 1268 was not processed!

It is suggested to collect at least 8 to 10 observations before using these statistical methods!
If possible, compute and collect Data Quality Objectives (DQO) based sample size and analytical results.

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

April 17, 2024

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 March 28, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #58665_RV1:

SDG #	**Fraction**
504066, 504073, 504322, 504324, 504368, 504369, 504506	Polychlorinated Biphenyls, Lead

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

248 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 58665 (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/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	504066	03/28/24	04/18/24	-	-	0	8																												
B	504073	03/28/24	04/18/24	0	12	0	11																												
C	504322	03/28/24	04/18/24	-	-	0	2																												
D	504324	03/28/24	04/18/24	-	-	0	1																												
E	504368	03/28/24	04/18/24	-	-	0	17																												
F	504369	03/28/24	04/18/24	-	-	0	24																												
G	504506	03/28/24	04/18/24	0	12	0	11																												
Total	TR/PG			0	24	0	74	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	98

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\Wipe\58665ST-Wipe.wpd

LDC Report# 58665_RV1

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

504066
504073
504322
504324
504368
504369
504506

Only the highlighted SDGs contain samples that were collected within the High Occupancy Area of Zone 7.

April 17, 2024

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the March 2024 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 Environmental Protection Agency (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 15.0% 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 15.0% for all analytes with the following exceptions:

SDG	Date	Detector/ Column	Analyte	%D	Associated Samples	Affected Analyte	Flag	A or P
504073	03/12/24	Ch B	Aroclor-1260	16	ARCH-C14W-EXT-1 TO 2-240308-P-WF ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-P-LA ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-LA ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-DUP-LA ARCH-C14W-DG-2 TO 2.5-240308-P-FB ARCH-C14W-PS-2.5-240308-P-G ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-P-LA ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-P-LA	Aroclor-1248 Aroclor-1254 Aroclor-1260 Aroclor-1262	UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects) UJ (all non-detects)	A

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

8082
Laboratory blanks were performed as required by the method. No contaminants were detected in the laboratory blanks.

6010B
Laboratory blanks were performed as required by the method. One laboratory blank had detection for lead. The associated sample results were not detected or were significantly greater than the concentrations found in the field blanks and were not qualified. The details are presented in Enclosure I.

Field Blanks

8082
Two field blanks were collected and analyzed. No contaminants were found.

6010B
Four media blanks were collected and analyzed. No contaminants were found.

Four field blanks were collected and analyzed. Two field blanks had detections for lead. The sample results that were not detected or were significantly greater than the concentrations found in the field blank were not qualified. The field blank outlier reports 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 with the following exceptions:

SDG	Sample	Column	Surrogate	%R (19-121)	Affected Analyte	Flag	A or P
504073	240308-P-FIELDBLANK1-LO	Ch A	Tetrachloro-m-xylene Decachlorobiphenyl	125 124	All analytes	NA	-

Although the above listed %Rs flagged "NA" demonstrate a high bias, the affected analytes in the associated samples were non-detected and did not warrant the qualification of the data.

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 collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

Duplicate Sample Analysis

6010B
Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
Two field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Six field duplicate pairs were collected and analyzed. Six 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. All laboratory reporting limits met the specified requirements.

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 (4/15/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 504066						
Method: 6010B						
240308-L-FIELDBLANK1-LO	504066-007	WIPE	FB	3050B	3/8/2024 7:45:00 AM	S2AVE
240308-L-MEDBLANK1-LO	504066-008	WIPE	FB	3050B	3/8/2024 11:30:00 AM	S2AVE
ARCH-C13W-DG-4 TO 4.5-DN-C13.5-VS-240308-L-LA	504066-001	WIPE	N	3050B	3/8/2024 9:40:00 AM	S2AVE
ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240308-L-LA	504066-004	WIPE	N	3050B	3/8/2024 10:00:00 AM	S2AVE
ARCH-C14W-DG-5 TO 5.5-240308-L-FB	504066-006	WIPE	N	3050B	3/8/2024 10:15:00 AM	S2AVE
ARCH-C14W-INT-3.5 TO 4.5-240308-L-WF	504066-002	WIPE	N	3050B	3/8/2024 10:25:00 AM	S2AVE
ARCH-C14W-INT-4.5 TO 5.5-240308-L-WF	504066-005	WIPE	N	3050B	3/8/2024 10:10:00 AM	S2AVE
ARCH-C14W-PS-4.5-240308-L-G	504066-003	WIPE	N	3050B	3/8/2024 9:50:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 7.

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: 504073						
Method: 6010B						
ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-L-LA	504073-005	WIPE	N	3050B	3/8/2024 8:00:00 AM	S3VEM
ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA	504073-008	WIPE	N	3050B	3/8/2024 8:15:00 AM	S3VEM
ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-L-LA	504073-022	WIPE	N	3050B	3/8/2024 9:30:00 AM	S3VEM
ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-L-LA	504073-020	WIPE	N	3050B	3/8/2024 9:10:00 AM	S3VEM
ARCH-C14W-DG-2 TO 2.5-240308-L-FB	504073-010	WIPE	N	3050B	3/8/2024 8:25:00 AM	S3VEM
ARCH-C14W-DG-2.5 TO 3-240308-L-FB	504073-014	WIPE	N	3050B	3/8/2024 8:45:00 AM	S3VEM
ARCH-C14W-DG-4 TO 4.5-240308-L-FB	504073-018	WIPE	N	3050B	3/8/2024 9:20:00 AM	S3VEM
ARCH-C14W-EXT-1 TO 2-240308-L-DUP-WF	504073-003	WIPE	FD	3050B	3/8/2024 7:40:00 AM	S3VEM
ARCH-C14W-EXT-1 TO 2-240308-L-WF	504073-002	WIPE	N	3050B	3/8/2024 7:40:00 AM	S3VEM
ARCH-C14W-INT-2.5 TO 3.5-240308-L-WF	504073-016	WIPE	N	3050B	3/8/2024 8:55:00 AM	S3VEM
ARCH-C14W-PS-2.5-240308-L-G	504073-012	WIPE	N	3050B	3/8/2024 8:40:00 AM	S3VEM
Method: 8082						
240308-P-FIELDBLANK1-LO	504073-023	WIPE	FB	3546	3/8/2024 7:45:00 AM	S3VEM
ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-P-LA	504073-004	WIPE	N	3546	3/8/2024 8:00:00 AM	S3VEM
ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-DUP-LA	504073-007	WIPE	FD	3546	3/8/2024 8:15:00 AM	S3VEM
ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-LA	504073-006	WIPE	N	3546	3/8/2024 8:15:00 AM	S3VEM
ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-P-LA	504073-021	WIPE	N	3546	3/8/2024 9:30:00 AM	S3VEM
ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-P-LA	504073-019	WIPE	N	3546	3/8/2024 9:10:00 AM	S3VEM
ARCH-C14W-DG-2 TO 2.5-240308-P-FB	504073-009	WIPE	N	3546	3/8/2024 8:25:00 AM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 7.

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						
ARCH-C14W-DG-2.5 TO 3-240308-P-FB	504073-013	WIPE	N	3546	3/8/2024 8:45:00 AM	S3VEM
ARCH-C14W-DG-4 TO 4.5-240308-P-FB	504073-017	WIPE	N	3546	3/8/2024 9:20:00 AM	S3VEM
ARCH-C14W-EXT-1 TO 2-240308-P-WF	504073-001	WIPE	N	3546	3/8/2024 7:40:00 AM	S3VEM
ARCH-C14W-INT-2.5 TO 3.5-240308-P-WF	504073-015	WIPE	N	3546	3/8/2024 8:55:00 AM	S3VEM
ARCH-C14W-PS-2.5-240308-P-G	504073-011	WIPE	N	3546	3/8/2024 8:40:00 AM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 7.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (4/15/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 504322						
Method: 6010B						
ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240313-L-LA	504322-002	WIPE	N	3050B	3/13/2024 9:25:00 AM	S2AVE
ARCH-C14W-INT-3.5 TO 4.5-240313-L-WF	504322-001	WIPE	N	3050B	3/13/2024 9:15:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 7.

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (4/15/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 504324						
Method: 6010B						
ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240313-L-LA	504324-001	WIPE	N	~~3050B~~	3/13/2024 9:05:00 AM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 7.

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: 504368						
Method: 6010B						
240315-L-FIELDBLANK2-LO	504368-016	WIPE	FB	3050B	3/15/2024 8:25:00 AM	S2AVE
240315-L-MEDBLANK2-LO	504368-017	WIPE	FB	3050B	3/15/2024 1:35:00 PM	S2AVE
ARCH-C13W-DG-5 TO 5.5-DN-C13.2-VS-240315-L-LA	504368-001	WIPE	N	3050B	3/15/2024 8:10:00 AM	S2AVE
ARCH-C13W-DG-6 TO 6.5-UP-C13.4-HS-240315-L-LA	504368-005	WIPE	N	3050B	3/15/2024 8:45:00 AM	S2AVE
ARCH-C13W-DG-6.5 TO 7-DN-C13.3-DG-240315-L-DUP-LA	504368-009	WIPE	FD	3050B	3/15/2024 9:05:00 AM	S2AVE
ARCH-C13W-DG-6.5 TO 7-DN-C13.3-DG-240315-L-LA	504368-008	WIPE	N	3050B	3/15/2024 9:05:00 AM	S2AVE
ARCH-C13W-DG-8 TO 9-UP-C13.1-VS-240315-L-LA	504368-014	WIPE	N	3050B	3/15/2024 9:55:00 AM	S2AVE
ARCH-C14W-DG-5.5 TO 6 240315-L-DUP-FB	504368-004	WIPE	FD	3050B	3/15/2024 8:30:00 AM	S2AVE
ARCH-C14W-DG-5.5 TO 6 240315-L-FB	504368-003	WIPE	N	3050B	3/15/2024 8:30:00 AM	S2AVE
ARCH-C14W-DG-6 TO 6.5-240315-L-FB	504368-007	WIPE	N	3050B	3/15/2024 9:00:00 AM	S2AVE
ARCH-C14W-DG-7 TO 7.5-240315-L-FB	504368-011	WIPE	N	3050B	3/15/2024 9:20:00 AM	S2AVE
ARCH-C14W-EXT-6 TO 7-240315-L-WF	504368-006	WIPE	N	3050B	3/15/2024 8:50:00 AM	S2AVE
ARCH-C14W-EXT-8 TO 9.5-240315-L-WF	504368-015	WIPE	N	3050B	3/15/2024 10:00:00 AM	S2AVE
ARCH-C14W-INT-7 TO 7.5-240315-L-WF	504368-013	WIPE	N	3050B	3/15/2024 9:40:00 AM	S2AVE
ARCH-C14W-PS-5.5-240315-L-G	504368-002	WIPE	N	3050B	3/15/2024 8:20:00 AM	S2AVE
ARCH-C14W-PS-6.5-240315-L-G	504368-010	WIPE	N	3050B	3/15/2024 9:15:00 AM	S2AVE
ARCH-C14W-PS-7'-240315-L-G	504368-012	WIPE	N	3050B	3/15/2024 9:30:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 7.

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: 504369						
Method: 6010B						
240315-L-FIELDBLANK1-HO	504369-021	WIPE	FB	3050B	3/15/2024 8:55:00 AM	S2AVE
240315-L-FIELDBLANK2-HO	504369-023	WIPE	FB	3050B	3/15/2024 10:25:00 AM	S2AVE
240315-L-MEDBLANK1-HO	504369-022	WIPE	FB	3050B	3/15/2024 1:28:00 PM	S2AVE
240315-L-MEDBLANK2-HO	504369-024	WIPE	FB	3050B	3/15/2024 1:30:00 PM	S2AVE
AFRAME-C13W-LAT-L1-DN-C13.7-DG-240315-L-CB	504369-020	WIPE	N	3050B	3/15/2024 11:10:00 AM	S2AVE
AFRAME-C13W-LAT-L1-DN-C13.7-HS-240315-L-LA	504369-016	WIPE	N	3050B	3/15/2024 10:45:00 AM	S2AVE
AFRAME-C13W-LAT-L1-UP-C13.6-DG-240315-L-CB	504369-017	WIPE	N	3050B	3/15/2024 10:55:00 AM	S2AVE
AFRAME-C13W-LAT-L1-UP-C13.7-DG-240315-L-LA	504369-011	WIPE	N	3050B	3/15/2024 12:05:00 PM	S2AVE
AFRAME-C13W-LAT-L2-DN-C13.5-DG-240315-L-LA	504369-006	WIPE	N	3050B	3/15/2024 11:10:00 AM	S2AVE
AFRAME-C13W-LAT-L2-DN-C13.7-VS-240315-L-I	504369-004	WIPE	N	3050B	3/15/2024 11:20:00 AM	S2AVE
AFRAME-C13W-LAT-L2-UP-C13.1-VS-240315-L-I	504369-001	WIPE	N	3050B	3/15/2024 10:55:00 AM	S2AVE
AFRAME-C13W-LAT-L2-UP-C13.6-VS-240315-L-LA	504369-002	WIPE	N	3050B	3/15/2024 10:45:00 AM	S2AVE
AFRAME-C13W-MED-L1-DN-C13.7-DG-240315-L-SS	504369-019	WIPE	N	3050B	3/15/2024 11:20:00 AM	S2AVE
AFRAME-C13W-MED-L1-UP-C13.6-DG-240315-L-SS	504369-010	WIPE	N	3050B	3/15/2024 12:20:00 PM	S2AVE
AFRAME-C13W-MED-L2-DN-C13.6-DG-240315-L-LA	504369-005	WIPE	N	3050B	3/15/2024 11:25:00 AM	S2AVE
AFRAME-C14W-LAT-L1-HS-3-240315-L-A	504369-012	WIPE	N	3050B	3/15/2024 10:35:00 AM	S2AVE
AFRAME-C14W-LAT-L2-INT-0.5 TO 1-240315-L-FB	504369-003	WIPE	N	3050B	3/15/2024 11:00:00 AM	S2AVE
AFRAME-C14W-MED-L1-EXT-1 TO 2-240315-L-WF	504369-018	WIPE	N	3050B	3/15/2024 11:00:00 AM	S2AVE
AFRAME-C14W-MED-L1-HS-3-240315-L-A	504369-013	WIPE	N	3050B	3/15/2024 10:20:00 AM	S2AVE
AFRAME-C14W-MED-L1-HS-3-240315-L-DUP-A	504369-014	WIPE	FD	3050B	3/15/2024 10:20:00 AM	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-C14W-MED-L1-HS-3-240315-L-G	504369-015	WIPE	N	3050B	3/15/2024 10:30:00 AM	S2AVE
AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-L-DUP-WF	504369-008	WIPE	FD	3050B	3/15/2024 11:30:00 AM	S2AVE
AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-L-WF	504369-007	WIPE	N	3050B	3/15/2024 11:30:00 AM	S2AVE
AFRAME-C14W-MED-L2-INT-0 TO 0.5-240315-L-FB	504369-009	WIPE	N	3050B	3/15/2024 11:45:00 AM	S2AVE

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (4/15/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*		*Collection Date*	*Validation Code*
Lab Reporting Batch: 504506							
Method: 6010B							
AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-L-I	504506-022	WIPE	N	3050B		3/15/2024 10:30:00 AM	S3VEM
AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-L-LA	504506-018	WIPE	N	3050B		3/15/2024 10:05:00 AM	S3VEM
AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-L-LA	504506-011	WIPE	N	3050B		3/15/2024 9:00:00 AM	S3VEM
AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-L-LA	504506-003	WIPE	N	3050B		3/15/2024 8:20:00 AM	S3VEM
AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-L-LA	504506-016	WIPE	N	3050B		3/15/2024 9:45:00 AM	S3VEM
AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-L-LA	504506-005	WIPE	N	3050B		3/15/2024 8:35:00 AM	S3VEM
AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-L-LA	504506-009	WIPE	N	3050B		3/15/2024 9:15:00 AM	S3VEM
AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-DUP-WF	504506-014	WIPE	FD	3050B		3/15/2024 9:30:00 AM	S3VEM
AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-WF	504506-013	WIPE	N	3050B		3/15/2024 9:30:00 AM	S3VEM
AFRAME-C14W-MED-L2-HS-1-240315-L-G	504506-020	WIPE	N	3050B		3/15/2024 10:10:00 AM	S3VEM
AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-L-WF	504506-007	WIPE	N	3050B		3/15/2024 8:50:00 AM	S3VEM
Method: 8082							
240315-P-FIELDBLANK1-HO	504506-023	WIPE	FB		3546	3/15/2024 8:55:00 AM	S3VEM
AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-P-I	504506-021	WIPE	N		3546	3/15/2024 10:30:00 AM	S3VEM
AFRAME-C13W-LAT-L3-DN-C13.7-DG-240315-P-LA	504506-017	WIPE	N		3546	3/15/2024 10:05:00 AM	S3VEM
AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-P-LA	504506-010	WIPE	N		3546	3/15/2024 9:00:00 AM	S3VEM
AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-DUP-LA	504506-002	WIPE	FD		3546	3/15/2024 8:20:00 AM	S3VEM
AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-LA	504506-001	WIPE	N		3546	3/15/2024 8:20:00 AM	S3VEM
AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-P-LA	504506-015	WIPE	N		3546	3/15/2024 9:45:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (4/15/2024) **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Method: 8082						
AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-P-LA	504506-004	WIPE	N	3546	3/15/2024 8:35:00 AM	S3VEM
AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-P-LA	504506-008	WIPE	N	3546	3/15/2024 9:15:00 AM	S3VEM
AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-P-WF	504506-012	WIPE	N	3546	3/15/2024 9:30:00 AM	S3VEM
AFRAME-C14W-MED-L2-HS-1-240315-P-G	504506-019	WIPE	N	3546	3/15/2024 10:10:00 AM	S3VEM
AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-P-WF	504506-006	WIPE	N	3546	3/15/2024 8:50:00 AM	S3VEM

Data Review Sample Summary Report by Analysis Method

Reviewed By: Blake Newell (4/15/2024) **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: 504066
EDD Filename: 504066

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

SDG# 504073 does not contain samples collected within the High Occupancy Area of Zone 7.

Data Qualifier Summary

Lab Reporting Batch ID: 504073 **Laboratory: Enthalpy Orange**

EDD Filename: 504073 **eQAPP Name:**

Method Category: **SVOA**

Method: **8082** ***Matrix:*** **WIPE**

Sample ID: **240308-P-FIELDBLANK1-LO** ***Collected:*** **3/8/2024 7:45:00 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	0.14	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	0.50	U	0.087	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.13	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.21	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: **ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-P-LA** ***Collected:*** **3/8/2024 8:00:00 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	0.14	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	0.50	U	0.087	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.13	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.21	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: **ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-DUP-LA** ***Collected:*** **3/8/2024 8:15:00 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	0.14	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	0.50	U	0.087	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.13	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.21	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: **ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-LA** ***Collected:*** **3/8/2024 8:15:00 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	0.14	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	0.50	U	0.087	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.13	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

SDG# 504073 does not contain samples collected within the High Occupancy Area of Zone 7.

Data Qualifier Summary

Lab Reporting Batch ID: 504073 **Laboratory: Enthalpy Orange**

EDD Filename: 504073 **eQAPP Name:**

Method Category: **SVOA**

Method: **8082** ***Matrix:*** **WIPE**

Sample ID: **ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-LA** ***Collected:*** **3/8/2024 8:15:00 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-1262	0.50	U	0.21	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: **ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-P-LA** ***Collected:*** **3/8/2024 9:10:00 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	0.14	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	0.50	U	0.087	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.13	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.21	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: **ARCH-C14W-DG-2 TO 2.5-240308-P-FB** ***Collected:*** **3/8/2024 8:25:00 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	0.14	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	0.50	U	0.087	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.13	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.21	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

Sample ID: **ARCH-C14W-EXT-1 TO 2-240308-P-WF** ***Collected:*** **3/8/2024 7:40:00 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	0.14	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	0.50	U	0.087	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.13	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.21	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

SDG# 504073 does not contain samples collected within the High Occupancy Area of Zone 7.

Data Qualifier Summary

Lab Reporting Batch ID: 504073 **Laboratory: Enthalpy Orange**

EDD Filename: 504073 **eQAPP Name:**

Method Category: **SVOA**

Method: **8082** ***Matrix:*** **WIPE**

Sample ID: **ARCH-C14W-PS-2.5-240308-P-G** ***Collected:*** **3/8/2024 8:40:00 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	0.14	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1254	0.50	U	0.087	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1260	0.50	U	0.13	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
Aroclor-1262	0.50	U	0.21	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv
AROCLOR-1268	0.50	U	0.41	MDL	0.50	CRQL	ug/100 cm2	UJ	Ccv

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 504073

Laboratory: Enthalpy Orange

EDD Filename: 504073

eQAPP Name:

Reason Code Legend

Reason Code	*Description*
Ccv	Continuing Calibration Verification Percent Difference Upper Rejection
Surr	Surrogate/Tracer Recovery Upper Estimation

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 504322
EDD Filename: 504322

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 504324
EDD Filename: 504324

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 504368

Laboratory: Enthalpy Orange

EDD Filename: Prep504368

Moffett_Hangar_1_NTCRA_Enthalpy_230919

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 504369

Laboratory: Enthalpy Orange

EDD Filename: Prep504369

eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 504506
EDD Filename: 504506

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

~~504066~~

SDG# 504066 does not contain samples collected within the High Occupancy Area of Zone 7.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58665A4b
SDG #: 504066
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 4/15/2024
Page: 1 of 1
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=7 MEDBLANK= 8
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-C13W-DG-4 TO 4.5-DN-C13.5-VS-240308-L-LA	504066-001	Wipe	03/08/24
2	ARCH-C14W-INT-3.5 TO 4.5-240308-L-WF	504066-002	Wipe	03/08/24
3	ARCH-C14W-PS-4.5-450308-L-G	504066-003	Wipe	03/08/24
4	ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240308-L-LA	504066-004	Wipe	03/08/24
5	ARCH-C14W-INT-4.5 TO 5.5-240308-L-WF	504066-005	Wipe	03/08/24
6	ARCH-C14W-DG-5 TO 5.5-240308-L-FB	504066-006	Wipe	03/08/24
7	240308-L-FIELDBLANK1-LO	504066-007	Wipe	03/08/24
8	240308-L-MEDBLANK1-LO	504066-008	Wipe	03/08/24
9				
10				
11				
12				
13				
14				
15				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 504066

Laboratory: Enthalpy Orange

EDD Filename: Prep504066

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	230308-L-FIELDBLANK1-LO	0.99	No Qualifiers Applied

Quality Control Outlier Reports

504073

SDG# 504073 does not contain samples collected in the High Occupancy Area of Zone 7.

Surrogate Outlier Report

Lab Reporting Batch ID: 504073 **Laboratory: Enthalpy Orange**

EDD Filename: 504073 **eQAPP Name:**

Method: **8082**
Matrix: **WIPE**

Sample ID (Analysis Type)	*Surrogate*	*Sample % Recovery*	*% Recovery Limits*	*Affected Compounds*	*Flag*
240308-P-FIELDBLANK1-LO	Decachlorobiphenyl (PCB) TCMX (PCB)	124 125	19.00-121.00 19.00-121.00	All Target Analytes	J (all detects)

Field Duplicate RPD Report

Lab Reporting Batch ID: 504073 **Laboratory: Enthalpy Orange**

EDD Filename: 504073 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C14W-EXT-1 TO 2-240308-L-WF (TOT)	ARCH-C14W-EXT-1 TO 2-240308-L-DUP-WF			
LEAD	240	220	9	100.00	No Qualifiers Applied

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58665B3b
SDG #: 504073
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 4/12/24
Page: 1 of 1
Reviewer: PM
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	%RSD ≤ 20 ICV ≤ 15
III.	Continuing calibration	SW	CCV ≤ 15
IV.	Laboratory Blanks	A	
V.	Field blanks	~~ND~~ ND BM4/B/2024	FB = 12
VI.	Surrogate spikes /14	SW	~~FB = 5, 7, 9, 12~~ BM4/B/2024
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	SW	
IX.	Field duplicates	NM	D = 3, 4
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-C14W-EXT-1 TO 2-240308-P-WF	504073-001	Wipe	03/08/24
2	ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-P-LA	504073-004	Wipe	03/08/24
3	ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-LA	504073-006	Wipe	03/08/24
4	ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-P-DUP-LA	504073-007	Wipe	03/08/24
5	ARCH-C14W-DG-2 TO 2.5-240308-P-FB	504073-009	Wipe	03/08/24
6	ARCH-C14W-PS-2.5-240308-P-G	504073-011	Wipe	03/08/24
7	ARCH-C14W-DG-2.5 TO 3-240308-P-FB	504073-013	Wipe	03/08/24
8	ARCH-C14W-INT-2.5 TO 3.5-240308-P-WF	504073-015	Wipe	03/08/24
9	ARCH-C14W-DG-4 TO 4.5-240308-P-FB	504073-017	Wipe	03/08/24
10	ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-P-LA	504073-019	Wipe	03/08/24
11	ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-P-LA	504073-021	Wipe	03/08/24
12	240308-P-FIELDBLANK1-LO	504073-023	Wipe	03/08/24
13				

Notes:

	335084						

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58665 B3h

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ✓GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) < 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥ 0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ~~< 20%~~ < 15%? [illegible] 5/10/2024	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ~~< 20%~~ < 15%? [illegible] 5/10/2024	✓			
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?	✓		NA	
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 #: 58665B3h

VALIDATION FINDINGS WORKSHEET
Continuing Calibration

Page: 1 of 1
Reviewer: FT

METHOD: ✓ GC __ HPLC

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".
What type of continuing calibration calculation was performed? ___%D or ___%R
Y N N/A Were continuing calibration standards analyzed at the required frequencies? 15
Y N N/A Did the continuing calibration standards meet the %D / %R validation criteria of ~~≤20.0%~~ / 80-120%?
Level IV Only
Y N N/A Were the retention times for all calibrated compounds within their respective acceptance windows?

#	Date	Standard ID	Detector/ Column	Compound	%D (Limit ≤ ~~20.0~~ 15)	RT (limit)	Associated Samples	Qualifications
	3/12/24 0842	CCV-GC06	ch B	BB	16		1-6, 10, 12, 335088-MB	J/UJ/A qual 2, AA, BB, Arbclor 1268, Aroclor 1262 (All ND)

CONCAL_r1.wpd

LDC #: 58665B3b

VALIDATION FINDINDS WORKSHEET
Surrogate Recovery

Reviewer: FT

METHOD: X **GC** __ **HPLC**

Are surrogates required by the method? Yes ✓ or No____.

Please see qualifications below for all questions answered "N". Not applicable questions are identified as "N/A".

Y Were surrogates spiked into all samples and blanks?

N Did all surrogate recoveries (%R) meet the QC limits?

#	Sample ID	Detector/ Column	Surrogate Compound	%R (Limits)	Qualifications
	12	ch A	Y	125 (19-121)	Jdet/P all ND
		ch A	O	124 (19-121)	Jdet/P
				( )	

	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		

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below 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 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	3/7/2024	Aroclor 1016-1 ChA	0.0217	0.0217	0.0219	0.0219	12	12
	GC06		Aroclor 1016-1 ChB	0.0199	0.0199	0.0199	0.0199	13	13

LDC #: 58665 B3b

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	3/12/24 0842	Aroclor 1016 chA	500.0	484.7	484.7	3	3
			chB	↓	469.1	469.1	6	6
2	ccv	3/13/24 1140	↓	↓	496.4	496.4	1	1
					481.5	481.5	4	4
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 #: 58665B3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	chA	50.0	50.8481	102	102	0
DCB	↓	↓	45.6940	91	91	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 #: 58665B3b

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: 335088 - LCS ID

Compound	Spike Added (ug/100 gm²)		Spike Sample Concentration (ug/100 gm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1016	5.0	5.0	6.269	6.706	125	125	134	134	7	7

Comments: _____

LDC #: 58665 B3b

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. 335088-LCS Aroclor 1016

Concentration = $\frac{627.0 \times 10}{1\ (1000)}$ = 6.27 ug/100 cm^2

#	Sample ID	Target analyte	Reported Concentrations (ug/100 mg^3)	Recalculated Results Concentrations (ug/100 cm^2)	Qualifications
	LCS	Aroclor 1016	6.269	6.27	
	Aroclor 1016-1 =	13,2476.45 (20.0) / 2245129.84 (0.0219) = 554.21	1016-1	= 554.21	
			2	= 631.8	
			3	= 611.4	
			4	= 742.6	
			5	= 595.0	
			Ave	= 627.0	

Comments:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58665B4b
SDG #: 504073
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 4/12/24
Page: 1 of 1
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	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	SW	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(1,2)
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-C14W-EXT-1 TO 2-240308-L-WF	504073-002	Wipe	03/08/24
2	ARCH-C14W-EXT-1 TO 2-240308-L-DUP-WF	504073-003	Wipe	03/08/24
3	ARCH-C13W-DG-1 TO 1.5-UP-C13.1-HS-240308-L-LA	504073-005	Wipe	03/08/24
4	ARCH-C13W-DG-2 TO 2.5-UP-C13.4-HS-240308-L-LA	504073-008	Wipe	03/08/24
5	ARCH-C14W-DG-2 TO 2.5-240308-L-FB	504073-010	Wipe	03/08/24
6	ARCH-C14W-PS-2.5-240308-L-G	504073-012	Wipe	03/08/24
7	ARCH-C14W-DG-2.5 TO 3-240308-L-FB	504073-014	Wipe	03/08/24
8	ARCH-C14W-INT-2.5 TO 3.5-240308-L-WF	504073-016	Wipe	03/08/24
9	ARCH-C14W-DG-4 TO 4.5-240308-L-FB	504073-018	Wipe	03/08/24
10	ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240308-L-LA	504073-020	Wipe	03/08/24
11	ARCH-C13W-DG-4 TO 4.5-DN-C13.3-DG-240308-L-LA	504073-022	Wipe	03/08/24
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.			NA	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isoptoes in the tuning solution ≤5%?			NA	
III. Calibration				
Were all instruments calibrated daily?	Yes			
Were the proper standards used?	Yes			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	Yes			
Were the low level standard checks within 70-130%?			NA	
Were all initial calibration correlation coefficients within limits as specifed by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?		No		
Were target analytes detected in the field blanks?			NA	
VII. 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.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	Yes			
XI. Field Duplicates				
Were field duplicates identifed in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

Interference Check Sample A

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

Date	Time	Calibration ID	Analyte	Concentration (mg/L)	Limit (mg/L)	Associated Samples	Qualification*	Det/ND
3/12/2024	9:31	ICSA	Pb	0.009003	0.003333	10	no qual (sample interferents<ICSA)	Det

Comments: *For 6010, qualification is only necessary when the interferring elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is establised at 10x the absolute value of the contamination.

VALIDATION FINDINGS WORKSHEET
Laboratory Blank Contamination (PB/ICB/CCB)

Reviewer: JM

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Soil preparation factor applied (if applicable): 50

Sample Concentration, unless otherwise noted: ug/ft^2 Associated Samples: 10

				Sample Identification								
Analyte	**PB (units)**	**Maximum ICB/CCB (ug/L)**	**Action Level**									
Pb		1.841	92.05									

Comments: The listed analyte concentrtaion is the highest ICB or CCB detected in the analysis. The action level, when applicable, is established at 5X the highest ICB, CCB, or PB concentration.

Method: Metals

Analyte	Concentration (ug/ft^2)		RPD (≤ 100)	Qualifiers (Parents Only)
	1	2		
Lead	240	220	9	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalcuated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.005	1.000	100.5	101	Y
CCV	ICP	Pb	1.034	1.000	103.4	103	Y
LLCC	ICP						
ICSAB	ICP	Pb	1.028	1.000	102.8	103	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

VALIDATION FINDINGS CHECKLIST

Quality Control Sample Recalculations

Reviewer: JM

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis. For the MS calculation, Found = SSR (Spiked Sample Result) - SR (Sample Result)

True = concentration of each analyte in the source

The sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = (Absolute value(S-D)x 200) / (S+D)

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

%D = (Absolute value (I - SDR)) x 100 / (I)

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalcuated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1135480	LCS	Pb	51.82	50.00	103.64	104	Y
NA	MS						
QC1135481	Duplicate	Pb	51.36	51.82	0.891645668	1	Y
NA	PDS						
NA	Serial dilution						

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: JM

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Analytes were recalculated and verified using the following equation:
Concentration = (Result from raw data x Final volume x Dilution factor) / (Initial volume)

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Initial Volume (ft^2)	Final Volume (mL)	Reported Result (ug/ft^2)	Recalcuated Result (ug/ft^2)	Acceptable (Y/N)
1	Pb	4.722	1	1	50	240	236.1	Y
2	Pb	4.351	1	1	50	220	217.55	Y
3	Pb	2.017	1	1.02	50	99	98.87254902	Y
4	Pb	3.316	1	1.01	50	160	164.1584158	Y
5	Pb	1.054	1	1	50	53	52.7	Y
6	Pb	4.892	1	1.0414	50	230	234.8761283	Y
7	Pb	1.285	1	1	50	64	64.25	Y
8	Pb	4.332	1	1	50	220	216.6	Y
9	Pb	3.01	1	1	50	150	150.5	Y
10	Pb	2.577	5	1	50	640	644.25	Y
11	Pb	3.719	1	1	50	190	185.95	Y

Quality Control Outlier Reports

~~504322~~

(No Outliers)

SDG# 504322 does not contain samples collected within the High Occupancy Area of Zone 7.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58665C4b
SDG #: 504322
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 4/15/2024
Page: 1 of 1
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	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-C14W-INT-3.5 TO 4.5-240313-L-WF	504322-001	Wipe	03/13/24
2	ARCH-C13W-DG-5 TO 5.5-UP-C13.6-VS-240313-L-LA	504322-002	Wipe	03/13/24
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

Quality Control
Outlier Reports

~~504324~~

SDG# 504324 does not contain samples collected within the High Occupancy Area of Zone 7.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58665D4b
SDG #: 504324
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 4/12/24
Page: 1 of 1
Reviewer: JM
2nd Reviewer: BM

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A/A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	N	
XI.	Target Analyte Quantitation	A	
XII.	Overall Assessment of Data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C13W-DG-4 TO 4.5-UP-C13.4-DG-240313-L-LA	504324-001	Wipe	03/13/24
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

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?	Yes			
Were all water samples preserved to a pH of <2.			NA	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isoptoes in the tuning solution ≤5%?			NA	
III. Calibration				
Were all instruments calibrated daily?	Yes			
Were the proper standards used?	Yes			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	Yes			
Were the low level standard checks within 70-130%?			NA	
Were all initial calibration correlation coefficients within limits as specifed by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?		No		
Were target analytes detected in the field blanks?			NA	
VII. 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.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	Yes			
XI. Field Duplicates				
Were field duplicates identifed in this SDG?		No		
Were target analytes detected in the field duplicates?			NA	
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

VALIDATION FINDINGS WORKSHEETS

Interference Check Sample A

Reviewer: JM

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

Date	Time	Calibration ID	Analyte	Concentration (mg/L)	Limit (mg/L)	Associated Samples	Qualification*	Det/ND
3/14/2024	15:49	ICSA	Pb	0.01285	0.003333	All	no qual (sample interferents<ICSA)	Det

Comments: *For 6010, qualification is only necessary when the interferring elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is establised at 10x the absolute value of the contamination.

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalcuated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.007	1.000	100.7	101	Y
CCV	ICP	Pb	1.008	1.000	100.8	101	Y
LLCC	ICP						
ICSAB	ICP	Pb	1.04	1.000	104	104	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

VALIDATION FINDINGS CHECKLIST

Quality Control Sample Recalculations

Reviewer: JM

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis. For the MS calculation, Found = SSR (Spiked Sample Result) - SR (Sample Result)

True = concentration of each analyte in the source

The sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = (Absolute value(S-D)x 200) / (S+D)

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

%D = (Absolute value (I - SDR)) x 100 / (I)

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalcuated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1136478	LCS	Pb	49.52	50.00	99.04	99	Y
NA	MS						
QC1136479	Duplicate	Pb	49.61	49.52	0.181579744	0	Y
NA	PDS						
NA	Serial dilution						

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: JM

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Analytes were recalculated and verified using the following equation:
Concentration = (Result from raw data x Final volume x Dilution factor) / (Initial volume)

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Initial Volume (ft^2)	Final Volume (mL)	Reported Result (ug/ft^2)	Recalcuated Result (ug/ft^2)	Acceptable (Y/N)
1	Pb	0.2239	1	1	50	11	11.195	Y

Quality Control Outlier Reports

~~504368~~

SDG# 504368 does not contain samples collected within the High Occupancy Area of Zone 7.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58665E4b
SDG #: 504368
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 4/15/2024
Page: 1 of 2
Reviewer: BN
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	ND	FB=16 MEDBLANK=17
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= 4/3, 9/8
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-C13W-DG-5 TO 5.5-DN-C13.2-VS-240315-L-LA	504368-001	Wipe	03/15/24
2	ARCH-C14W-PS-5.5-240315-L-G	504368-002	Wipe	03/15/24
3	ARCH-C14W-DG-5.5-TO 6-240315-L-FB	504368-003	Wipe	03/15/24
4	ARCH-C14W-DG-5.5 TO 6-240315-L-DUP-FB	504368-004	Wipe	03/15/24
5	ARCH-C13W-DG-6 TO 6.5-UP-C13.4-HS-240315-L-LA	504368-005	Wipe	03/15/24
6	ARCH-C14W-EXT-6 TO 7-240315-L-WF	504368-006	Wipe	03/15/24
7	ARCH-C14W-DG-6 TO 6.5-240315-L-FB	504368-007	Wipe	03/15/24
8	ARCH-C13W-DG-6.5-TO 7-DN-C13.3-DG-240315-L-LA	504368-008	Wipe	03/15/24
9	ARCH-C13W-DG-6.5 TO 7-DN-C13.3-DG-240315-L-DUP-LA	504368-009	Wipe	03/15/24
10	ARCH-C14W-PS-6.5-240315-L-G	504368-010	Wipe	03/15/24
11	ARCH-C14W-DG-7 TO 7.5-240315-L-FB	504368-011	Wipe	03/15/24
12	ARCH-C14W-PS-7-240315-L-G	504368-012	Wipe	03/15/24
13	ARCH-C14W-INT-7 TO 7.5-240315-L-WF	504368-013	Wipe	03/15/24
14	ARCH-C13W-DG-8 TO 9-UP-C13.1-VS-240315-L-LA	504368-014	Wipe	03/15/24
15	ARCH-C14W-EXT-8 TO 9.5-240315-L-WF	504368-015	Wipe	03/15/24
16	240315-L-FIELDBLANK2-LO	504368-016	Wipe	03/15/24
17	240315-L-MEDBLANK2-LO	504368-017	Wipe	03/15/24

Field Duplicate RPD Report

Lab Reporting Batch ID: 504368 **Laboratory: Enthalpy Orange**

EDD Filename: 504368 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C13W-DG-6.5 TO 7-DN-C13.3-	**ARCH-C13W-DG-6.5 TO 7-DN-C13.3-**			
LEAD	61	42	37	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C14W-DG-5.5 TO 6 240315-L-FB	**ARCH-C14W-DG-5.5 TO 6 240315-L-DUP-FB**			
LEAD	130	100	26	100.00	No Qualifiers Applied

Quality Control
Outlier Reports

504369

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58665F4b
SDG #: 504369
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 4/5/2024
Page: 1 of 1
Reviewer: MM
2nd Reviewer:

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A / A	
II.	Instrument Calibration	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW	FB = 21, 22, 23 MEDBLANK = 21, 22 4/17/2024
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 = 8/7, 14/13
XI.	Target Analyte Quantitation	N	
XII.	Overall Assessment of Data		

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-C13W-LAT-L2-UP-C13.1-VS-240315-L-I	504369-001	Wipe	03/15/24
2	AFRAME-C13W-LAT-L2-UP-C13.6-VS-240315-L-LA	504369-002	Wipe	03/15/24
3	AFRAME-C14W-LAT-L2-INT-0.5 TO 1-240315-L-FB	504369-003	Wipe	03/15/24
4	AFRAME-C13W-LAT-L2-DN-C13.7-VS-240315-L-I	504369-004	Wipe	03/15/24
5	AFRAME-C13W-MED-L2-DN-C13.6-DG-240315-L-LA	504369-005	Wipe	03/15/24
6	AFRAME-C13W-LAT-L2-DN-C13.5-DG-240315-L-LA	504369-006	Wipe	03/15/24
7	AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-L-WF	504369-007	Wipe	03/15/24
8	AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-L-DUP-WF	504369-008	Wipe	03/15/24
9	AFRAME-C14W-MED-L2-INT-0 TO 0.5-240315-L-FB	504369-009	Wipe	03/15/24
10	AFRAME-C13W-MED-L1-UP-C13.6-DG-240315-L-SS	504369-010	Wipe	03/15/24
11	AFRAME-C13W-LAT-L1-UP-C13.7-DG-240315-L-LA	504369-011	Wipe	03/15/24
12	AFRAME-C14W-LAT-L1-HS-3-240315-L-A	504369-012	Wipe	03/15/24
13	AFRAME-C14W-MED-L1-HS-3-240315-L-A	504369-013	Wipe	03/15/24
14	AFRAME-C14W-MED-L1-HS-3-240315-L-DUP-A	504369-014	Wipe	03/15/24
15	AFRAME-C14W-MED-L1-HS-3-240315-L-G	504369-015	Wipe	03/15/24
16	AFRAME-C13W-LAT-L1-DN-C13.7-HS-240315-L-LA	504369-016	Wipe	03/15/24
17	AFRAME-C13W-LAT-L1-UP-C13.6-DG-240315-L-CB	504369-017	Wipe	03/15/24

LDC #: 58665F4b

SDG #: 504369

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-C14W-MED-L1-EXT-1 TO 2-240315-L-WF	504369-018	Wipe	03/15/24
19	AFRAME-C13W-MED-L1-DN-C13.7-DG-240315-L-SS	504369-019	Wipe	03/15/24
20	AFRAME-C13W-LAT-L1-CN-C13.7-DG-240315-L-CB	504369-020	Wipe	03/15/24
21	240315-L-FIELDBLANK1-HO	504369-021	Wipe	03/15/24
22	240315-L-MEDBLANK1-HO	504369-022	Wipe	03/15/24
23	240315-L-FIELDBLANK2-HO	504369-023	Wipe	03/15/24
24	240315-L-MEDBLANK2-HO	504369-024	Wipe	03/15/24
25				
26				
27				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 504369

Laboratory: Enthalpy Orange

EDD Filename: Prep504369

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	230315-L-FIELDBLANK1-HO	3.0	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 504369 **Laboratory: Enthalpy Orange**

EDD Filename: 504369 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C14W-LAT-L1-HS-3-240315-L-A	**AFRAME-C14W-MED-L1-HS-3-240315-L-**			
LEAD	63	70	11	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-	**AFRAME-C14W-MED-L2-EXT-0 TO 1-240315-**			
LEAD	76	150	65	100.00	No Qualifiers Applied

Quality Control
Outlier Reports

504506

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58665G3b
SDG #: 504506
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 4/12/24
Page: 1 of 1
Reviewer: [illegible]
2nd Reviewer:

METHOD: GC Polychlorinated Biphenyls (EPA SW-846 Method 8082)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A /A	
II.	Initial calibration/ICV	A/A	%D ≤ 20 ICV ≤20/5 [illegible] 4/8/2024
III.	Continuing calibration	A	CCV ≤20/5 [illegible] 4/15/2024
IV.	Laboratory Blanks	A	
V.	Field blanks	NA	FB= 1
VI.	Surrogate spikes 14	A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	LCS/LCSD
IX.	Field duplicates	NA	D= 1,2
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	MJ
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-C13W-LAT-L3-UP-C13.5-DG-240315-P-LA	D	504506-001	Wipe	03/15/24
2	AFRAME-C13W-LAT-L3-UP-C13.5-DG-240315-P-DUP-LA	D	504506-002	Wipe	03/15/24
3	AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-P-LA		504506-004	Wipe	03/15/24
4	AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-P-WF		504506-006	Wipe	03/15/24
5	AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-P-LA		504506-008	Wipe	03/15/24
6	AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-P-LA		504506-010	Wipe	03/15/24
7	AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-P-WF		504506-012	Wipe	03/15/24
8	AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-P-LA		504506-015	Wipe	03/15/24
9	AFRAME-C13W-LAT-L3-DN-C13.-DG-240315-P-LA		504506-017	Wipe	03/15/24
10	AFRAME-C14W-MED-L2-HS-1-240315-P-G		504506-019	Wipe	03/15/24
11	AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-P-I		504506-021	Wipe	03/15/24
12	240315-P-FIELDBLANK1-HO		504506-023	Wipe	03/15/24
13					

Notes:

	33594U						

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58665 936

VALIDATION FINDINGS CHECKLIST

Reviewer: FT

Method: ✓GC HPLC

Validation Area	Yes	No	NA	Findings/Comments
I. Technical holding times				
Were all technical holding times met?	✓			
Was cooler temperature criteria met?	✓			
IIa. Initial calibration				
Did the laboratory perform a 5 point calibration prior to sample analysis?	✓			
Were all percent relative standard deviations (%RSD) ≤ 20%?	✓			
Was a curve fit used for evaluation? If yes, did the initial calibration meet the curve fit acceptance criteria of ≥0.990?			✓	
Were the RT windows properly established?	✓			
IIb. Initial calibration verification				
Was an initial calibration verification standard analyzed after each initial calibration for each instrument?	✓			
Were all percent differences (%D) ≤ ~~20%~~? 15% Blank Nanod 4/15/2024	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ ~~20%~~? 15% Nanod 4/15/2024	✓			
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?	✓		NA	
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:_____

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below 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 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	3/13/2024	Aroclor 1260-1 ChA	0.0607	0.0607	0.0604	0.0604	9	9
	GC07		Aroclor 1260-1 ChB	0.0768	0.0768	0.0745	0.0745	14	14

a

LDC #: 58665G3b

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	3/22/24 1052	Aroclor 1260 ch A	500.0	495.0	495.0	1	1
			↓ ch B	↓	487.1	487.1	3	3
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 #: 58665 G3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ch B	50.0	32.6043	65	65	0
DCB	↓	↓	19.265	39	39	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 #: 38665G3h

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: 335940 LCS/D

Compound	Spike Added (ug/100cm²)		Spike Sample Concentration (ug/100cm²)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1260	5.0	5.0	3.421	3.317	68	68	66	66	3	3

Comments: _____

LDC #: 58665G3b

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: F7

METHOD: GC/HPLC/GCMS/LCMS

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 agree within 10.0% of the reported results?

Concentration = $\frac{(A_x)(I_s)(V_t)(DF)(2.0)}{(A_{is})(RRF)(V_o)(V_i)(\%S)}$

A_x	=	Area of the characteristic ion (EICP) for the compound to be measured
A_{is}	=	Area of the characteristic ion (EICP) for the specific internal standard
I_s	=	Amount of internal standard added in nanograms (ng)
V_o	=	Volume or weight of sample extract in milliliters (ml) or grams (g).
V_i	=	Volume of extract injected in microliters (ul)
V_t	=	Volume of the concentrated extract in microliters (ul)
Df	=	Dilution Factor.
%S	=	Percent solids, applicable to soil and solid matrices only.
2.0	=	Factor of 2 to account for GPC cleanup

Example:

Sample I.D. 335940 LCS Aroclor 1260

Conc. = $\frac{342.12\ (10)}{(1)\ (1000)}$

=

3.4212

#	Sample ID	Compound	Reported Concentration (ug/100)cm 2	Calculated Concentration (ug/ml) 3	Qualification
	LCS	Aroclor 1260	3.421	3.4212	
	1260-1 = 10482338.9 (20.0)		= 404.9		
	6949714.726 (0.0745)				
	1260-1 = 404.9				
	-2 = 402.8				
	-3 = 381.4				
	-4 = 154.0				
	-5 = 367.5				
	342.12				

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58665G4b
SDG #: 504506
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 4/12/24
Page: 1 of 1
Reviewer: JM
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	A	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(6,7)
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-C13W-LAT-L3-UP-C13.5-DG-240315-L-LA	504506-003	Wipe	03/15/24
2	AFRAME-C13W-MED-L3-DN-C13.7-DG-240315-L-LA	504506-005	Wipe	03/15/24
3	AFRAME-C14W-MED-L3-EXT-1 TO 2-240315-L-WF	504506-007	Wipe	03/15/24
4	AFRAME-C13W-MED-L3-UP-C13.3-DG-240315-L-LA	504506-009	Wipe	03/15/24
5	AFRAME-C13W-LAT-L3-UP-C13.1-HS-240315-L-LA	504506-011	Wipe	03/15/24
6	AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-WF	504506-013	Wipe	03/15/24
7	AFRAME-C14W-LAT-L3-EXT-1 TO 2-240315-L-DUP-WF	504506-014	Wipe	03/15/24
8	AFRAME-C13W-MED-L3-DN-C13.1-DG-240315-L-LA	504506-016	Wipe	03/15/24
9	AFRAME–C13W-LAT-L3-DN-C13.7-DG-240315-L-LA	504506-018	Wipe	03/15/24
10	AFRAME-C14W-MED-L2-HS-1-240315-L-G	504506-020	Wipe	03/15/24
11	AFRAME-C13W-LAT-L2-UP-C13.7-VS-240315-L-I	504506-022	Wipe	03/15/24
12				
13				
14				
15				

Notes:

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
I. Technical holding times				
Were all technical holding times met?	Yes			
Were all water samples preserved to a pH of <2.			NA	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isoptoes in the tuning solution ≤5%?			NA	
III. Calibration				
Were all instruments calibrated daily?	Yes			
Were the proper standards used?	Yes			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	Yes			
Were the low level standard checks within 70-130%?			NA	
Were all initial calibration correlation coefficients within limits as specifed by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?		No		
Were target analytes detected in the field blanks?			NA	
VII. 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.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)				
Validation Area	**Yes**	**No**	**NA**	**Comments**
IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	Yes			
XI. Field Duplicates				
Were field duplicates identifed in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample dilutions?	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: JM

Method: Metals

Analyte	Concentration (ug/ft^2)		RPD (≤ 100)	Qualifiers (Parents Only)
	6	7		
Lead	21	22	5	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis
True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalcuated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.081	1.000	108.1	108	Y
CCV	ICP	Pb	1.093	1.000	109.3	109	Y
LLCC	ICP						
ICSAB	ICP	Pb	1.067	1.000	106.7	107	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

Quality Control Sample Recalculations

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis. For the MS calculation, Found = SSR (Spiked Sample Result) - SR (Sample Result)

True = concentration of each analyte in the source

The sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = (Absolute value(S-D)x 200) / (S+D)

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

%D = (Absolute value (I - SDR)) x 100 / (I)

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalcuated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1136967	LCS	Pb	54.97	50.00	109.94	110	Y
NA	MS						
QC1136968	Duplicate	Pb	56.15	54.97	2.123830094	2	Y
NA	PDS						
NA	Serial dilution						

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: JM

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)
Analytes were recalculated and verified using the following equation:
Concentration = (Result from raw data x Final volume x Dilution factor) / (Initial volume)

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Initial Volume (ft^2)	Final Volume (mL)	Reported Result (ug/ft^2)	Recalcuated Result (ug/ft^2)	Acceptable (Y/N)
1	Pb	1.142	1	1	50	57	57.1	Y
2	Pb	0.6135	1	1	50	31	30.675	Y
3	Pb	1.575	1	1	50	79	78.75	Y
4	Pb	0.552	1	1	50	28	27.6	Y
5	Pb	0.4063	1	1	50	20	20.315	Y
6	Pb	0.4209	1	1	50	21	21.045	Y
7	Pb	0.4404	1	1	50	22	22.02	Y
8	Pb	0.9634	1	1	50	48	48.17	Y
9	Pb	1.064	1	1	50	53	53.2	Y
10	Pb	0.7788	1	1	50	39	38.94	Y
11	Pb	1.936	1	1	50	97	96.8	Y

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 9, 2024

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 May 1, 2024. Attachment 1 is a summary of the samples that were reviewed for each analysis.

LDC Project #58899:

SDG #	Fraction
506092	Polychlorinated Biphenyls, Lead
506093	
506863	
506865	
506868	

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

184 pages-ADV EDD

Attachment 1

Stage 2A/3 (client select) **LDC# 58899 (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/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	506092	05/01/24	05/22/24	-	-	0	5																												
B	506093	05/01/24	05/22/24	0	12	0	11																												
C	506863	05/01/24	05/22/24	-	-	0	18																												
D	506865	05/01/24	05/22/24	-	-	0	24																												
E	506868	05/01/24	05/22/24	0	12	0	11																												
Total	TR/PG			0	24	0	69	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, Hangar 1 NTCRA\Wipe\58899ST-Wipe.wpd

LDC Report# 58899

Automated Data Review Data Validation Report
Hangar 1 NTCRA

Sample Delivery Groups

506092
506093
506863
506865
506868

Only the highlighted SDGs contain samples that were collected within the High Occupancy Area of Zone 7.

May 9, 2024

Introduction

This Data Validation Report (DVR) presents Stage 2A and Stage 3 data validation results for samples collected during the April 2024 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 Environmental Protection Agency (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 15.0% 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 15.0% 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 field blanks were collected and analyzed. No contaminants were found.

6010B
Four media blanks were collected and analyzed. No contaminants were found.

Four field blanks were collected and analyzed. Three field blanks had detections for lead. The sample results that were not detected or were significantly greater than the concentrations found in the field blank were not qualified. The field blank outlier reports 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 collection of MS/MSDs for wipe samples is not required per the agency-approved UFP-QAPP.

Duplicate Sample Analysis

6010B
Laboratory duplicate (DUP) analyses is not required per the agency-approved UFP-QAPP.

Laboratory Control Samples

Laboratory control samples (LCS) and laboratory control samples duplicates (LCSD) were analyzed as required by the methods. Percent recoveries (%R) were within QC limits. Relative percent differences (RPD) were within QC limits.

Field Duplicates

8082
Two field duplicate pairs were collected and analyzed. No results were detected in the field duplicates. The field duplicates are identified in Attachment 1.

6010B
Six field duplicate pairs were collected and analyzed. The field duplicate pairs had detections for lead. All RPDs were within QC limits with the exception of one duplicate pair for lead. The associated sample results were qualified as detected estimated (J). 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.

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: **Approved By:** **Laboratory: Enthalpy Orange**

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
Lab Reporting Batch: 506092						
Method: 6010B						
240412-L-FIELDBLANK1-LO	506092-004	WIPE	FB	3050B	4/12/2024 8:45:00 AM	S2AVE
240412-L-MEDBLANK1-LO	506092-005	WIPE	FB	3050B	4/12/2024 9:10:00 AM	S2AVE
ARCH-C13E-DG-5 TO 5.5-UP-C13.6-VS-240412-L-LA	506092-002	WIPE	N	3050B	4/12/2024 8:30:00 AM	S2AVE
ARCH-C14E-INT-3.5 TO 4.5-240412-L-WF	506092-001	WIPE	N	3050B	4/12/2024 8:05:00 AM	S2AVE
ARCH-C14E-INT-4.5 TO 5.5-240412-L-WF	506092-003	WIPE	N	3050B	4/12/2024 8:35:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 7.

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: 506093							
Method: 6010B							
ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-L-LA	506093-005	WIPE	N	3050B		4/12/2024 7:25:00 AM	S3VEM
ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-L-LA	506093-008	WIPE	N	3050B		4/12/2024 7:35:00 AM	S3VEM
ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-L-LA	506093-022	WIPE	N	3050B		4/12/2024 8:10:00 AM	S3VEM
ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-L-LA	506093-018	WIPE	N	3050B		4/12/2024 7:48:00 AM	S3VEM
ARCH-C14E-DG-2 TO 2.5-240412-L-FB	506093-010	WIPE	N	3050B		4/12/2024 7:45:00 AM	S3VEM
ARCH-C14E-DG-2.5 TO 3-240412-L-FB	506093-012	WIPE	N	3050B		4/12/2024 7:55:00 AM	S3VEM
ARCH-C14E-DG-4 TO 4.5-240412-L-FB	506093-020	WIPE	N	3050B		4/12/2024 7:40:00 AM	S3VEM
ARCH-C14E-EXT-1 TO 2-240412-L-DUP-WF	506093-003	WIPE	FD	3050B		4/12/2024 7:10:00 AM	S3VEM
ARCH-C14E-EXT-1 TO 2-240412-L-WF	506093-002	WIPE	N	3050B		4/12/2024 7:10:00 AM	S3VEM
ARCH-C14E-EXT-3 TO 4-240412-L-WF	506093-014	WIPE	N	3050B		4/12/2024 8:05:00 AM	S3VEM
ARCH-C14E-PS-3.5-240412-L-G	506093-016	WIPE	N	3050B		4/12/2024 8:15:00 AM	S3VEM
Method: 8082							
240412-P-FIELDBLANK1-LO	506093-023	WIPE	FB		3546	4/12/2024 8:45:00 AM	S3VEM
ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-P-LA	506093-004	WIPE	N		3546	4/12/2024 7:25:00 AM	S3VEM
ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-DUP-LA	506093-007	WIPE	FD		3546	4/12/2024 7:35:00 AM	S3VEM
ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-LA	506093-006	WIPE	N		3546	4/12/2024 7:35:00 AM	S3VEM
ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-P-LA	506093-021	WIPE	N		3546	4/12/2024 8:10:00 AM	S3VEM
ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-P-LA	506093-017	WIPE	N		3546	4/12/2024 7:48:00 AM	S3VEM
ARCH-C14E-DG-2 TO 2.5-240412-P-FB	506093-009	WIPE	N		3546	4/12/2024 7:45:00 AM	S3VEM
ARCH-C14E-DG-2.5 TO 3-240412-P-FB	506093-011	WIPE	N		3546	4/12/2024 7:55:00 AM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 7.

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						
ARCH-C14E-DG-4 TO 4.5-240412-P-FB	506093-019	WIPE	N	3546	4/12/2024 7:40:00 AM	S3VEM
ARCH-C14E-EXT-1 TO 2-240412-P-WF	506093-001	WIPE	N	3546	4/12/2024 7:10:00 AM	S3VEM
ARCH-C14E-EXT-3 TO 4-240412-P-WF	506093-013	WIPE	N	3546	4/12/2024 8:05:00 AM	S3VEM
ARCH-C14E-PS-3.5-240412-P-G	506093-015	WIPE	N	3546	4/12/2024 8:15:00 AM	S3VEM

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 7.

Data Review Sample Summary Report by Analysis Method

Reviewed By: **Approved By:** **Laboratory: Enthalpy Orange**

Lab Reporting Batch: 506863

Method: 6010B

Client Sample ID	*Lab Sample ID*	*Matrix*	*Sample Type*	*Preparation Method*	*Collection Date*	*Validation Code*
240422-L-FIELDBLANK2-LO	506863-015	WIPE	FB	3050B	4/22/2024 7:45:00 AM	S2AVE
240422-L-MEDBLANK2-LO	506863-016	WIPE	FB	3050B	4/22/2024 11:25:00 AM	S2AVE
ARCH-C13E-DG-5 TO 5.5-DN-C13.2-VS-240422-L-LA	506863-002	WIPE	N	3050B	4/22/2024 8:00:00 AM	S2AVE
ARCH-C13E-DG-6 TO 6.5-UP-C13.4-HS-240422-L-LA	506863-007	WIPE	N	3050B	4/22/2024 8:40:00 AM	S2AVE
ARCH-C13E-DG-8 TO 9-UP-C13.3-VS-240422-L-LA	506863-013	WIPE	N	3050B	4/22/2024 9:45:00 AM	S2AVE
ARCH-C13E-DG-8 TO 9-UP-C13.4-VS-240422-L-LA	506863-017	WIPE	N	3050B	4/22/2024 9:50:00 AM	S2AVE
ARCH-C14E-DG-5 TO 5.5-240422-L-FB	506863-001	WIPE	N	3050B	4/22/2024 7:50:00 AM	S2AVE
ARCH-C14E-DG-5.5 TO 6-240422-L-DUP-FB	506863-006	WIPE	FD	3050B	4/22/2024 8:25:00 AM	S2AVE
ARCH-C14E-DG-5.5 TO 6-240422-L-FB	506863-005	WIPE	N	3050B	4/22/2024 8:25:00 AM	S2AVE
ARCH-C14E-DG-6 TO 6.5-240422-L-DUP-FB	506863-018	WIPE	FD	3050B	4/22/2024 8:50:00 AM	S2AVE
ARCH-C14E-DG-6 TO 6.5-240422-L-FB	506863-008	WIPE	N	3050B	4/22/2024 8:50:00 AM	S2AVE
ARCH-C14E-DG-6.5 TO 7-240422-L-FB	506863-010	WIPE	N	3050B	4/22/2024 9:10:00 AM	S2AVE
ARCH-C14E-EXT-5 TO 6-240422-L-WF	506863-004	WIPE	N	3050B	4/22/2024 8:15:00 AM	S2AVE
ARCH-C14E-EXT-8 TO 9-240422-L-WF	506863-014	WIPE	N	3050B	4/22/2024 10:00:00 AM	S2AVE
ARCH-C14E-INT-7 TO 7.5-240422-L-WF	506863-012	WIPE	N	3050B	4/22/2024 9:30:00 AM	S2AVE
ARCH-C14E-PS-5.5-240422-L-G	506863-003	WIPE	N	3050B	4/22/2024 8:05:00 AM	S2AVE
ARCH-C14E-PS-6.5-240422-L-G	506863-009	WIPE	N	3050B	4/22/2024 9:05:00 AM	S2AVE
ARCH-C14E-PS-7'-240422-L-G	506863-011	WIPE	N	3050B	4/22/2024 9:15:00 AM	S2AVE

Crossed out Sample IDs not collected within the High Occupancy Area of Zone 7.

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: 506865						
Method: 6010B						
240422-L-FIELDBLANK1-HO	506865-021	WIPE	FB	3050B	4/22/2024 7:50:00 AM	S2AVE
240422-L-FIELDBLANK2-HO	506865-023	WIPE	FB	3050B	4/22/2024 11:30:00 AM	S2AVE
240422-L-MEDBLANK1-HO	506865-022	WIPE	FB	3050B	4/22/2024 11:27:00 AM	S2AVE
240422-L-MEDBLANK2-HO	506865-024	WIPE	FB	3050B	4/22/2024 11:26:00 AM	S2AVE
AFRAME-C13E-LAT-L1-DN-C13.7-DG-240422-L-CB	506865-020	WIPE	N	3050B	4/22/2024 12:05:00 PM	S2AVE
AFRAME-C13E-LAT-L1-UP-C13.6-DG-240422-L-CB	506865-017	WIPE	N	3050B	4/22/2024 11:30:00 AM	S2AVE
AFRAME-C13E-LAT-L1-UP-C13.7-DG-240422-L-LA	506865-011	WIPE	N	3050B	4/22/2024 11:10:00 AM	S2AVE
AFRAME-C13E-LAT-L1-UP-C13.7-HS-240422-L-LA	506865-016	WIPE	N	3050B	4/22/2024 11:45:00 AM	S2AVE
AFRAME-C13E-LAT-L2-DN-C13.5-DG-240422-L-LA	506865-006	WIPE	N	3050B	4/22/2024 10:55:00 AM	S2AVE
AFRAME-C13E-LAT-L2-DN-C13.7-VS-240422-L-I	506865-004	WIPE	N	3050B	4/22/2024 10:50:00 AM	S2AVE
AFRAME-C13E-LAT-L2-UP-C13.2-VS-240422-L-I	506865-001	WIPE	N	3050B	4/22/2024 10:25:00 AM	S2AVE
AFRAME-C13E-LAT-L2-UP-C13.6-VS-240422-L-LA	506865-002	WIPE	N	3050B	4/22/2024 10:30:00 AM	S2AVE
AFRAME-C13E-MED-L1-DN-C13.7-DG-240422-L-SS	506865-019	WIPE	N	3050B	4/22/2024 12:10:00 PM	S2AVE
AFRAME-C13E-MED-L1-UP-C13.6-DG-240422-L-SS	506865-010	WIPE	N	3050B	4/22/2024 11:20:00 AM	S2AVE
AFRAME-C13E-MED-L2-DN-C13.6-DG-240422-L-LA	506865-005	WIPE	N	3050B	4/22/2024 11:25:00 AM	S2AVE
AFRAME-C14E-LAT-L1-HS-3-240422-L-A	506865-012	WIPE	N	3050B	4/22/2024 11:00:00 AM	S2AVE
AFRAME-C14E-LAT-L1-HS-3-240422-L-DUP-A	506865-014	WIPE	FD	3050B	4/22/2024 11:00:00 AM	S2AVE
AFRAME-C14E-LAT-L2-INT-0.5 TO 1-240422-L-FB	506865-003	WIPE	N	3050B	4/22/2024 10:20:00 AM	S2AVE
AFRAME-C14E-MED-L1-EXT-1 TO 2-240422-L-WF	506865-018	WIPE	N	3050B	4/22/2024 11:55:00 AM	S2AVE
AFRAME-C14E-MED-L1-HS-3-240422-L-A	506865-013	WIPE	N	3050B	4/22/2024 10:40:00 AM	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-C14E-MED-L1-HS-3-240422-L-G	506865-015	WIPE	N	3050B	4/22/2024 10:55:00 AM	S2AVE
AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-L-DUP-WF	506865-008	WIPE	FD	3050B	4/22/2024 11:15:00 AM	S2AVE
AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-L-WF	506865-007	WIPE	N	3050B	4/22/2024 11:15:00 AM	S2AVE
AFRAME-C14E-MED-L2-INT-0 TO 0.5-240422-L-FB	506865-009	WIPE	N	3050B	4/22/2024 10:30:00 AM	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: 506868							
Method: 6010B							
AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-L-I	506868-020	WIPE	N	3050B		4/22/2024 9:55:00 AM	S3VEM
AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-L-LA	506868-016	WIPE	N	3050B		4/22/2024 9:05:00 AM	S3VEM
AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-L-LA	506868-009	WIPE	N	3050B		4/22/2024 8:30:00 AM	S3VEM
AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-L-LA	506868-003	WIPE	N	3050B		4/22/2024 7:45:00 AM	S3VEM
AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-L-LA	506868-022	WIPE	N	3050B		4/22/2024 10:20:00 AM	S3VEM
AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-L-LA	506868-014	WIPE	N	3050B		4/22/2024 8:50:00 AM	S3VEM
AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-L-LA	506868-005	WIPE	N	3050B		4/22/2024 8:05:00 AM	S3VEM
AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-DUP-WF	506868-012	WIPE	FD	3050B		4/22/2024 9:20:00 AM	S3VEM
AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-WF	506868-011	WIPE	N	3050B		4/22/2024 9:20:00 AM	S3VEM
AFRAME-C14E-MED-L2-HS-1-240422-L-G	506868-018	WIPE	N	3050B		4/22/2024 9:35:00 AM	S3VEM
AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-L-WF	506868-007	WIPE	N	3050B		4/22/2024 8:15:00 AM	S3VEM
Method: 8082							
240422-P-FIELDBLANK1-HO	506868-021	WIPE	FB		3546	4/22/2024 7:50:00 AM	S3VEM
AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-P-I	506868-019	WIPE	N		3546	4/22/2024 9:55:00 AM	S3VEM
AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-P-LA	506868-015	WIPE	N		3546	4/22/2024 9:05:00 AM	S3VEM
AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-P-LA	506868-008	WIPE	N		3546	4/22/2024 8:30:00 AM	S3VEM
AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-DUP-LA	506868-002	WIPE	FD		3546	4/22/2024 7:45:00 AM	S3VEM
AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-LA	506868-001	WIPE	N		3546	4/22/2024 7:45:00 AM	S3VEM
AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-P-LA	506868-023	WIPE	N		3546	4/22/2024 10:20:00 AM	S3VEM
AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-P-LA	506868-013	WIPE	N		3546	4/22/2024 8:50:00 AM	S3VEM

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-C13E-MED-L3-UP-C13.7-DG-240422-P-LA	506868-004	WIPE	N	3546	4/22/2024 8:05:00 AM	S3VEM
AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-P-WF	506868-010	WIPE	N	3546	4/22/2024 9:20:00 AM	S3VEM
AFRAME-C14E-MED-L2-HS-1-240422-P-G	506868-017	WIPE	N	3546	4/22/2024 9:35:00 AM	S3VEM
AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-P-WF	506868-006	WIPE	N	3546	4/22/2024 8:15:00 AM	S3VEM

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: 506092
EDD Filename: 506092

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

SDG# 506093 does not contain samples collected within the High Occupancy Area of Zone 7.

Data Qualifier Summary

Lab Reporting Batch ID: 506093 **Laboratory: Enthalpy Orange**

EDD Filename: Prep506093 **eQAPP Name:**

Method Category: **METALS**

Method: **6010B** ***Matrix:*** **WIPE**

Sample ID: **ARCH-C14E-EXT-1 TO 2-240412-L-DUP-WF** ***Collected:*** **4/12/2024 7:10:00 AM** ***Analysis Type:*** **RES** ***Dilution:*** **1.000**

Analyte	*Lab Result*	*Lab Qual*	*DL*	*DL Type*	*RL*	*RL Type*	*Units*	*Data Review Qual*	*Reason Code*
LEAD	120		0.23	MDL	0.50	CRQL	ug/ft2	J	Fd

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 506093

Laboratory: Enthalpy Orange

EDD Filename: Prep506093

eQAPP Name:

Reason Code Legend

Reason Code	*Description*
Fd	Field Duplicate Precision

* denotes a non-reportable result

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Data Qualifier Summary

Lab Reporting Batch ID: 506863
EDD Filename: 506863

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 506865
EDD Filename: 506865

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Data Qualifier Summary

Lab Reporting Batch ID: 506868
EDD Filename: 506868

Laboratory: Enthalpy Orange
eQAPP Name:

No Data Review Qualifiers Applied.

Enclosure I

Validation Outlier Reports

Quality Control Outlier Reports

506092

SDG# 506092 does not contain samples collected within the High Occupancy Area of Zone 7.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58899A4b
SDG #: 506092
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 5/6/24
Page: 1 of 1
Reviewer: JC
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	N	
III.	ICP Interference Check Sample (ICS) Analysis	N	
IV.	Laboratory Blanks	A	
V.	Field Blanks	SW	4=FB 5=MEDBLANK
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-C14E-INT-3.5 TO 4.5-240412-L-WF	506092-001	Wipe	04/12/24
2	ARCH-C13E-DG-5 TO 5.5-UP-C13.6-VS-240412-L-LA	506092-002	Wipe	04/12/24
3	ARCH-C14E-INT-4.5 TO 5.5-240412-L-WF	506092-003	Wipe	04/12/24
4	240412-L-FIELDBLANK1-LO	506092-004	Wipe	04/12/24
5	240412-L-MEDBLANK1-LO	506092-005	Wipe	04/12/24
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 506092

Laboratory: Enthalpy Orange

EDD Filename: Prep506092

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	240412-L-FIELDBLANK1-LO	3.6	No Qualifiers Applied

Quality Control Outlier Reports

~~506093~~

SDG# 506093 does not contain samples collected within the High Occupancy Area of Zone 7.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58899B3b
SDG #: 506093
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 5/7/24
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 ≤ 20 ICV ≤ 15
III.	Continuing calibration	A	CCV ≤ 15
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB = 12
VI.	Surrogate spikes 1/17	A	
VII.	Matrix spike/Matrix spike duplicates	N	CS
VIII.	Laboratory control samples	A	LCS 1/1
IX.	Field duplicates	ND	D = 3, 4
X.	Target analyte quantitation	A	
XI.	Target analyte identification	A	
XII	Overall assessment of data	A	

Note: A = Acceptable; N = Not provided/applicable; SW = See worksheet; ND = No compounds detected; R = Rinsate; FB = Field blank; D = Duplicate; TB = Trip blank; EB = Equipment blank; SB=Source blank; OTHER:

	Client ID	Lab ID	Matrix	Date
1	ARCH-C14E-EXT-1 TO 2-240412-P-WF	506093-001	Wipe	04/12/24
2	ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-P-LA	506093-004	Wipe	04/12/24
3	ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-LA	506093-006	Wipe	04/12/24
4	ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-P-DUP-LA	506093-007	Wipe	04/12/24
5	ARCH-C14E-DG-2 TO 2.5-240412-P-FB	506093-009	Wipe	04/12/24
6	ARCH-C14E-DG-2.5 TO 3-240412-P-FB	506093-011	Wipe	04/12/24
7	ARCH-C14E-EXT-3 TO 4-240412-P-WF	506093-013	Wipe	04/12/24
8	ARCH-C14E-PS-3.5-240412-P-G	506093-015	Wipe	04/12/24
9	ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-P-LA	506093-017	Wipe	04/12/24
10	ARCH-C14E-DG-4 TO 4.5-240412-P-FB	506093-019	Wipe	04/12/24
11	ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-P-LA	506093-021	Wipe	04/12/24
12	240412-P-FIELDBLANK-LO (#1 after K)	506093-023	Wipe	04/12/24
13				

Notes:

	3/8024						

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58899 B3b

VALIDATION FINDINGS CHECKLIST

Page: 1 of 1
Reviewer: [illegible]

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~~ 15%? Mark Newell 5/10/2024	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ ~~20~~ 15%? Mark Newell 5/10/2024	✓			
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?	✓			

LDC #: 58899B3b

VALIDATION FINDINGS CHECKLIST

Reviewer: PT

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?	✓			
Were relative percent difference (RPD) of the results between two columns ≤ 40%?	✓			
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 #: 58899B3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below 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 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	3/26/2024	Aroclor 1016-1 ChA	0.0207	0.0207	0.0215	0.0215	13	13
	GC06		Aroclor 1016-1 ChB	0.0178	0.0178	0.0185	0.0185	17	17

LDC #: 58899B3b

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	4/18/24 0940	Aroclor 1016 chA	500.0	491.0	491.0	2	2
			↓ chB	↓	505.5	505.5	1	1
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 #: 58899B3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	ohB	50	28.5925	57	57	0
DCB	↓	↓	24.8141	50	50	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 #: 58899B3b

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: 338024 LCS 1R

Compound	Spike Added (ug/100cm2)		Spike Sample Concentration (ug/100cm2)		LCS Percent Recovery		LCSD Percent Recovery		LCS/LCSD RPD	
	LCS	LCSD	LCS	LCSD	Reported	Recalc.	Reported	Recalc.	Reported	Recalc.
Aroclor 1016	5.0	5.0	4.435	4.309	89	89	86	86	3	3

Comments: _____

LDC #: 58899B3h

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 334024 - LCS Aroclo 1016

Concentration = $\frac{443.44 \quad (10)}{(1)(1000}$ =

4.4344 ug/100 cm^2

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm^2)	Recalculated Results Concentrations (ug/100 cm^2)	Qualifications
	LCS	Aroclor 1016	4.435	4.4344	
	Aroclor 1016-1=	$\frac{2008.7798.552 \quad (20.0)}{504.84081.1 \quad (0.0218 \text{ FT})}$ = 430.2		1016-1 = 430.2	
		0.0185		2 = 466.0	
				3 = 441.5	
				4 = 452.7	
				5 = 426.8	
				443.44	

Comments: _____

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58899B4b
SDG #: 506093
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 5/6/24
Page: 1 of 1
Reviewer: JC
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	A	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(1,2)
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-C14E-EXT-1 TO 2-240412-L-WF	506093-002	Wipe	04/12/24
2	ARCH-C14E-EXT-1 TO 2-240412-L-DUP-WF	506093-003	Wipe	04/12/24
3	ARCH-C13E-DG-1 TO 1.5-UP-C13.1-HS-240412-L-LA	506093-005	Wipe	04/12/24
4	ARCH-C13E-DG-2 TO 2.5-UP-C13.4-HS-240412-L-LA	506093-008	Wipe	04/12/24
5	ARCH-C14E-DG-2 TO 2.5-240412-L-FB	506093-010	Wipe	04/12/24
6	ARCH-C14E-DG-2.5 TO 3-240412-L-FB	506093-012	Wipe	04/12/24
7	ARCH-C14E-EXT-3 TO 4-240412-L-WF	506093-014	Wipe	04/12/24
8	ARCH-C14E-PS-3.5-240412-L-G	506093-016	Wipe	04/12/24
9	ARCH-C13E-DG-4 TO 4.5-UP-C13.4-DG-240412-L-LA	506093-018	Wipe	04/12/24
10	ARCH-C14E-DG-4 TO 4.5-240412-L-FB	506093-020	Wipe	04/12/24
11	ARCH-C13E-DG-4 TO 4.5-DN-C13.5-VS-240412-L-LA	506093-022	Wipe	04/12/24
12				
13				
14				
15				

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
1-11	WIPE	6010	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, Pb, Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U

Comments:

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?	Yes			
Were all water samples preserved to a pH of <2.			NA	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isoptoes in the tuning solution ≤5%?			NA	
III. Calibration				
Were all instruments calibrated daily?	Yes			
Were the proper standards used?	Yes			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	Yes			
Were the low level standard checks within 70-130%?			NA	
Were all initial calibration correlation coefficients within limits as specifed by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?			NA	
Were target analytes detected in the field blanks?			NA	
VII. 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.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	Yes			
XI. Field Duplicates				
Were field duplicates identifed in this SDG?			NA	
Were target analytes detected in the field duplicates?			NA	
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

Field Duplicate RPD Report

Lab Reporting Batch ID: 506093

Laboratory: Enthalpy Orange

EDD Filename: Prep506093

Method: 6010B
Matrix: WIPE

Analyte	Concentration (ug/ft2)		Sample RPD	eQAPP RPD	Flag
	ARCH-C14E-EXT-1 TO 2-240412-L-WF (TOT)	ARCH-C14E-EXT-1 T 2-240412-L-DUP-WF (TOT)			
LEAD	36	120	108	100.00	J (all detects) UJ (all non-detects)

Project Name and Number: 20-10491 - Hangar 1 NTCRA

VALIDATION FINDINGS WORKSHEET
Field Duplicates

Reviewer: JC

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	1	2		
Lead	36	120	108	Jdet/A

VALIDATION FINDINGS CHECKLIST
Calibration Calculation Verification

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis
True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (mg/L)	True (mg/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.088	1.000	109	109	Y
CCV	ICP	↓	1.081	1.000	108	108	Y
LLCC	ICP						
ICSAB	ICP	↓	1.053	1.000	105	105	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis. For the MS calculation, Found = SSR (Spiked Sample Result) - SR (Sample Result)

True = concentration of each analyte in the source

The sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = (Absolute value(S-D)x 200) / (S+D)

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

%D = (Absolute value (I - SDR)) x 100 / (I)

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1144512	LCS	Pb	55.17	50	110	110	Y
NA	MS						
QC1144512,13	Duplicate	Pb	55.17	54.44	1	1	Y
NA	PDS						
NA	Serial dilution						

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Matrix: Wipe

Concentration = ((Result from raw data x Final Vol. x Dilution Factor) / (Area of Wipe Sample)) x Unit Conversions

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Wipe Sample Area (ft^2)	Final Volume (unit)	Reported Result (mg/ft^2)	Recalcuated Result (mg/ft^2)	Acceptable (Y/N)
1	Pb	0.7249	1	1	50	36	36	Y
2	↓	2.402	1	1	50	120	120	Y
3	↓	5.589	1	1.01	50	280	277	Y
4	↓	0.6571	1	1.01	50	33	33	Y
5	↓	0.1671	1	1	50	8.4	8.4	Y
6	↓	0.4863	1	1	50	24	24	Y
7	↓	0.2894	1	1	50	14	14	Y
8	↓	1.607	1	1.0552	50	76	76	Y
9	↓	0.6453	1	1	50	32	32	Y
10	↓	0.4097	1	1	50	20	20	Y
11	↓	0.5415	1	1	50	27	27	Y

Quality Control Outlier Reports

~~506863~~

SDG# 506863 does not contain samples collected within the High Occupancy Area of Zone 7.

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58899C4b
SDG #: 506863
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 5/6/24
Page: 1 of 2
Reviewer: JC
2nd Reviewer: BM

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	15=FB 16=MEDBlank
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	(5,6), (8,18)
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-C14E-DG-5 TO 5.5-240422-L-FB	506863-001	Wipe	04/22/24
2	ARCH-C13E-DG-5 TO 5.5-DN-C13.2-VS-240422-L-LA	506863-002	Wipe	04/22/24
3	ARCH-C14E-PS-5.5-240422-L-G	506863-003	Wipe	04/22/24
4	ARCH-C14E-EXT-5 TO 6-240422-L-WF	506863-004	Wipe	04/22/24
5	ARCH-C14E-DG-5.5 TO 6-240422-L-FB	506863-005	Wipe	04/22/24
6	ARCH-C14E-DG-5.5 TO 6-240422-L-DUP-FB	506863-006	Wipe	04/22/24
7	ARCH-C13E-DG-6 TO 6.5-UP-C13.4-HS-240422-L-LA	506863-007	Wipe	04/22/24
8	ARCH-C14E-DG-6 TO 6.5-240422-L-FB	506863-008	Wipe	04/22/24
9	ARCH-C14E-PS-6.5-240422-L-G	506863-009	Wipe	04/22/24
10	ARCH-C14E-DG-6.5 TO 7-240422-L-FB	506863-010	Wipe	04/22/24
11	ARCH-C14E-PS-7'-240422-L-G	506863-011	Wipe	04/22/24
12	ARCH-C14E-INT-7 TO 7.5-240422-L-WF	506863-012	Wipe	04/22/24
13	ARCH-C13E-DG-8 TO 9-UP-C13.3-VS-240422-L-LA	506863-013	Wipe	04/22/24
14	ARCH-C14E-EXT-8 TO 9-240422-L-WF	506863-014	Wipe	04/22/24
15	240422-L-FIELDBLANK2-LO	506863-015	Wipe	04/22/24
16	240422-L-MEDBLANK2-LO	506863-016	Wipe	04/22/24
17	ARCH-C13E-DG-8 TO 9-UP-C13.4-VS-240422-L-LA	506863-017	Wipe	04/22/24

LDC #: 58899C4b

SDG #: 506863

Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET

Stage 2A

Date: 5/6/24

Reviewer: JC

2nd Reviewer: AM

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	ARCH-C14E-DG-6 TO 6.5-240422-L-DUP-FB	506863-018	Wipe	04/22/24
19				
20				
21				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 506863

Laboratory: Enthalpy Orange

EDD Filename: Prep506863

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	240422-L-FIELDBLANK2-LO	0.8	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 506863 **Laboratory: Enthalpy Orange**

EDD Filename: 506863 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C14E-DG-5.5 TO 6-240422-L-FB	**ARCH-C14E-DG-5.5 TO 6-240422-L-DUP-FB**			
LEAD	100	51	65	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	ARCH-C14E-DG-6 TO 6.5-240422-L-FB (TOT)	**ARCH-C14E-DG-6 TO 6.5-240422-L-DUP-FB**			
LEAD	20	23	14	100.00	No Qualifiers Applied

Quality Control
Outlier Reports

506865

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58899D4b
SDG #: 506865
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 5/6/24
Page: 1 of 2
Reviewer: JC
2nd Reviewer: BM

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= 21,23 MED Blank= 22,24
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	(7,8), (12,14)
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-C13E-LAT-L2-UP-C13.2-VS-240422-L-I	506865-001	Wipe	04/22/24
2	AFRAME-C13E-LAT-L2-UP-C13.6-VS-240422-L-LA	506865-002	Wipe	04/22/24
3	AFRAME-C14E-LAT-L2-INT-0.5 TO 1-240422-L-FB	506865-003	Wipe	04/22/24
4	AFRAME-C13E-LAT-L2-DN-C13.7-VS-240422-L-I	506865-004	Wipe	04/22/24
5	AFRAME-C13E-MED-L2-DN-C13.6-DG-240422-L-LA	506865-005	Wipe	04/22/24
6	AFRAME-C13E-LAT-L2-DN-C13.5-DG-240422-L-LA	506865-006	Wipe	04/22/24
7	AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-L-WF	506865-007	Wipe	04/22/24
8	AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-L-DUP-WF	506865-008	Wipe	04/22/24
9	AFRAME-C14E-MED-L2-INT-0 TO 0.5-240422-L-FB	506865-009	Wipe	04/22/24
10	AFRAME-C13E-MED-L1-UP-C13.6-DG-2407422-L-SS	506865-010	Wipe	04/22/24
11	AFRAME-C13E-LAT-L1-UP-C13.7-DG-240422-L-LA	506865-011	Wipe	04/22/24
12	AFRAME-C14E-LAT-L1-HS-3-240422-L-A	506865-012	Wipe	04/22/24
13	AFRAME-C14E-MED-L1-HS-3-240422-L-A	506865-013	Wipe	04/22/24
14	AFRAME-C14E-LAT-L1-HS-3-240422-L-DUP-A	506865-014	Wipe	04/22/24
15	AFRAME-C14E-MED-L1-HS-3-240422-L-G	506865-015	Wipe	04/22/24
16	AFRAME-C13E-LAT-L1-UP-C13.7-HS-240422-L-LA	506865-016	Wipe	04/22/24
17	AFRAME-C13E-LAT-L1-UP-C13.6-DG-240422-L-CB	506865-017	Wipe	04/22/24

LDC #: 58899D4b
SDG #: 506865
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 2A

Date: 5/6/24

Reviewer: JC
2nd Reviewer: [illegible]

METHOD: Lead (EPA SW-846 Method 6010B)

	Client ID	Lab ID	Matrix	Date
18	AFRAME-C14E-MED-L1-EXT-1 TO 2-240422-L-WF	506865-018	Wipe	04/22/24
19	AFRAME-C13E-MED-L1-DN-C13.7-DG-240422-L-SS	506865-019	Wipe	04/22/24
20	AFRAME-C13E-LAT-L1-DN-C13.7-DG-240422-L-CB	506865-020	Wipe	04/22/24
21	240422-L-FIELDBLANK1-HO	506865-021	Wipe	04/22/24
22	240422-L-MEDBLANK1-HO	506865-022	Wipe	04/22/24
23	240422-L-FIELDBLANK2-HO	506865-023	Wipe	04/22/24
24	240422-L-MEDBLANK2-HO	506865-024	Wipe	04/22/24
25				
26				
27				

Notes:

Field Blank Contamination Report

Lab Reporting Batch ID: 506865

Laboratory: Enthalpy Orange

EDD Filename: Prep506865

Moffett_Hangar_1_NTCRA_Enthalpy_230919

Method: 6010B
Matrix: WIPE

Analyte	*Sample*	*Concentration (ug/ft2)*	*Flag*
LEAD	240422-L-FIELDBLANK2-HO	0.92	No Qualifiers Applied

Field Duplicate RPD Report

Lab Reporting Batch ID: 506865 **Laboratory: Enthalpy Orange**

EDD Filename: 506865 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C14E-LAT-L1-HS-3-240422-L-A	**AFRAME-C14E-LAT-L1-HS-3-240422-L-**			
LEAD	110	100	10	100.00	No Qualifiers Applied

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-	**AFRAME-C14E-MED-L2-EXT-0 TO 1-240422-**			
LEAD	77	47	48	100.00	No Qualifiers Applied

Quality Control
Outlier Reports

506868

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58899E3b
SDG #: 506868
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 5/7/24
Page: 1 of 1
Reviewer: PT
2nd Reviewer: BM

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 ≤ 20 ICV ≤ 15
III.	Continuing calibration	A	CCV ≤ 15
IV.	Laboratory Blanks	A	
V.	Field blanks	ND	FB = 11
VI.	Surrogate spikes	A	
VII.	Matrix spike/Matrix spike duplicates	N	
VIII.	Laboratory control samples	A	
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-C13E-LAT-L3-UP-C13.5-DG-240422-P-LA	506868-001	Wipe	04/22/24
2	AFRAME-C13E-LAT-L3-UP-C13.5-DG-240422-P-DUP-LA	506868-002	Wipe	04/22/24
3	AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-P-LA	506868-004	Wipe	04/22/24
4	AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-P-WF	506868-006	Wipe	04/22/24
5	AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-P-LA	506868-008	Wipe	04/22/24
6	AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-P-WF	506868-010	Wipe	04/22/24
7	AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-P-LA	506868-013	Wipe	04/22/24
8	AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-P-LA	506868-015	Wipe	04/22/24
9	AFRAME-C14E-MED-L2-HS-1-240422-P-G	506868-017	Wipe	04/22/24
10	AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-P-I	506868-019	Wipe	04/22/24
11	240422-P-FIELDBLANK1-HO	506868-021	Wipe	04/22/24
12	AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-P-LA	506868-023	Wipe	04/22/24
13				

Notes:

338600

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58899E3b

VALIDATION FINDINGS CHECKLIST

Page: 1 of 2
Reviewer: [illegible]

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~~ 15%? [illegible] 5/10/2024	✓			
III. Continuing calibration				
Was a continuing calibration analyzed daily?	✓			
Were all percent differences (%D) ≤ ~~20~~ 15%? [illegible] 5/10/2024	✓			
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?	✓			

LDC #: 54899E30 **VALIDATION FINDINGS CHECKLIST** Page: 2 of 2
Reviewer: FT

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?	✓			
Were relative percent difference (RPD) of the results between two columns < 40%?	✓			
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 #: 38899E3b

VALIDATION FINDINGS WORKSHEET
Initial Calibration Calculation Verification

Reviewer: FT

METHOD:PCB 8082

The calibration factors (CF), average CF, and relative standard deviation (%RSD) were recalculated for compounds identified below 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 250ug/L	Recalculated 250ug/L	Reported Average CF (Initial)	Recalculated Average CF (Initial)	Reported %RSD	Recalculated %RSD
	ICAL	3/26/2024	Aroclor 1260-1 ChA	0.0594	0.0594	0.0612	0.0612	16	16
	GC06		Aroclor 1260-1 ChB	0.0528	0.0528	0.0560	0.0560	18	18

LDC #: 58899E3b

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	4/24/24 1303	Aroclor 1260 chA	500.0	532.4	532.4	6	6
			chB	↓	486.4	486.4	3	3
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 #: 58899E3b

VALIDATION FINDINGS WORKSHEET
Surrogate Results Verification

Reviewer: FT

METHOD: ✓ GC ___ HPLC

The percent recoveries (%R) of surrogates were recalculated for the compounds identified below using the following calculation:

% Recovery: SF/SS * 100

Where: SF = Surrogate Found
SS = Surrogate Spiked

Sample ID: #1

Surrogate	Column/Detector	Surrogate Spiked	Surrogate Found	Percent Recovery	Percent Recovery	Percent Difference
				Reported	Recalculated	
TCMX	chB	50	34.6653	69	69	0
DCB	↓	↓	25.6140	51	51	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 #: 58899E3b

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: 338600 - LCS ID

Compound	Spike Added (ug/100gm²)		Spike Sample Concentration (ug/100gm²)		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	3.529	3.859	71	71	77	77	9	9

Comments: _____

LDC #: 58899E3h

VALIDATION FINDINGS WORKSHEET
Sample Calculation Verification

Reviewer: FT

METHOD: ✓ GC __ HPLC

The concentration of the sample was calculated for the target analyte identified below using the following calculation:

Concentration= $\frac{(A)(Fv)(Df)}{(RF)(Vs \text{ or } Ws)(\%S/100)}$

A= Area or height of the target analyte to be measured
Fv= Final Volume of extract
Df= Dilution Factor
RF= Average response factor of the target analyte In the initial calibration
Vs= Initial volume of the sample
Ws= Initial weight of the sample
%S= Percent Solid

Example:

Sample ID. 338600-LCS Aroclor 1260

Concentration = $\frac{352.84 \quad (10)}{(1)(1000)}$ =

= 3.5284

#	Sample ID	Target analyte	Reported Concentrations (ug/100 cm²) ✓	Recalculated Results Concentrations (ug/100 cm²)	Qualifications
	LCS	Aroclor 1260	3.529	3.5284	
	1260-1 = 560906447.057 (20.0		1260-1 =	405.5	
	4412005051.005 (0.0560)		2 =	402.9	
		= 405.5	3 =	338.7	
			4 =	322.9	
			5 =	294.2	
				352.84	

Comments: _____

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

LDC #: 58899E4b
SDG #: 506868
Laboratory: Enthalpy Analytical, Orange, CA

VALIDATION COMPLETENESS WORKSHEET
Stage 3

Date: 5/6/24
Page: 1 of 1
Reviewer: JC
2nd Reviewer: RM

METHOD: Lead (EPA SW-846 Method 6010B)

The samples listed below were reviewed for each of the following validation areas. Validation findings are noted in attached validation findings worksheets.

	Validation Area		Comments
I.	Sample receipt/Technical holding times	A, A	
II.	Instrument Calibration	A	
III.	ICP Interference Check Sample (ICS) Analysis	SW	
IV.	Laboratory Blanks	A	
V.	Field Blanks	N	
VI.	Matrix Spike/Matrix Spike Duplicates	N	
VII.	Duplicate sample analysis	N	
VIII.	Serial Dilution	N	
IX.	Laboratory control samples	A	LCS/LCSD
X.	Field Duplicates	SW	(5,6)
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-C13E-LAT-L3-UP-C13.5-DG-240422-L-LA	506868-003	Wipe	04/22/24
2	AFRAME-C13E-MED-L3-UP-C13.7-DG-240422-L-LA	506868-005	Wipe	04/22/24
3	AFRAME-C14E-MED-L3-EXT-1 TO 2-240422-L-WF	506868-007	Wipe	04/22/24
4	AFRAME-C13E-LAT-L3-UP-C13.1-HS-240422-L-LA	506868-009	Wipe	04/22/24
5	AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-WF	506868-011	Wipe	04/22/24
6	AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-L-DUP-WF	506868-012	Wipe	04/22/24
7	AFRAME-C13E-MED-L3-DN-C13.1-DG-240422-L-LA	506868-014	Wipe	04/22/24
8	AFRAME-C13E-LAT-L3-DN-C13.7-DG-240422-L-LA	506868-016	Wipe	04/22/24
9	AFRAME-C14E-MED-L2-HS-1-240422-L-G	506868-018	Wipe	04/22/24
10	AFRAME-C13E-LAT-L2-UP-C13.7-VS-240422-L-I	506868-020	Wipe	04/22/24
11	AFRAME-C13E-MED-L2-DN-C13.3-DG-240422-L-LA	506868-022	Wipe	04/22/24
12				
13				
14				
15				

Notes:

All elements are applicable to each sample as noted below.

Sample ID	Matrix	Method	Target Analyte List
1-11	Wipe	6010	Al, Sb, As, Ba, Be, Cd, Ca, Cr, Co, Cu, Fe, (Pb), Mg, Mn, Hg, Ni, K, Se, Ag, Na, Tl, V, Zn, Mo, B, Sn, Ti, U

Comments:

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?	Yes			
Were all water samples preserved to a pH of <2.			NA	
II. ICP-MS Tune				
Were mass resolutions within 0.1 amu for all isotopes in the tuning solution?			NA	
Were %RSDs of isoptoes in the tuning solution ≤5%?			NA	
III. Calibration				
Were all instruments calibrated daily?	Yes			
Were the proper standards used?	Yes			
Were all initial and continuing calibration verifications within the 90-110% (80-120% for mercury) QC limits?	Yes			
Were the low level standard checks within 70-130%?			NA	
Were all initial calibration correlation coefficients within limits as specifed by the method?	Yes			
IV. Interference Check Sample				
Were the interference check samples performed daily?	Yes			
Were the AB solution recoveries within 80-120%?	Yes			
V. Blanks				
Was a method blank associated with every sample in this SDG?	Yes			
Was there contamination in the method blanks?		No		
Was there contamination in the initial and continuing calibration blanks?		No		
VI. Field Blanks				
Were field blanks identified in this SDG?			NA	
Were target analytes detected in the field blanks?			NA	
VII. 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.)			NA	
Were the MS/MSD or laboratory duplicate relative percent differences (RPDs) within the QC limits?			NA	

The line item for field blanks includes any blank samples collected in the field (i.e., field blank and/or media blank samples.

IX. Serial Dilution				
Were all percent differences <10%?			NA	
Was there evidence of negative interference? If yes, professional judgement will be used to qualify the data.			NA	
X. Laboratory Control Samples				
Was a LCS analyzed for each batch in the SDG?	Yes			
Were the LCS recoveries and RPDs (if applicable) within QC limits?	Yes			
XI. Field Duplicates				
Were field duplicates identifed in this SDG?	Yes			
Were target analytes detected in the field duplicates?	Yes			
VII. Internal Standards				
Were all percent recoveries within the 30-120% (60-125% for EPA Method 200.8) QC limits?			NA	
If the recoveries were outside the limits, was a reanalysis performed?			NA	
XIII. Target Analyte Quantitation				
Were all reporting limits adjusted to reflect sample	Yes			
Were all soil samples dry weight corrected?			NA	
XIV. Overall Assessment of Data				
Was the overall assessment of the data found to be acceptable?	Yes			

Interference Check Sample A

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020)

All interference check sample A standards were performed at the required frequency with no contamination present with the following exceptions:

Date	Time	Calibration ID	Analyte	Concentration (mg/L)	Limit (mg/L)	Associated Samples	Qualification*	Det/ND
4/23/2024	10:58	ICSA	Pb	0.01439	0.13	All	no qual (sample interferents<ICSA)	Det

Comments: *For 6010, qualification is only necessary when the interferring elements (Al, Ca, Fe, Mg) are >90% the level in the ICSA. The ICSA action level is establised at 10x the absolute value of the contamination.

Field Duplicate RPD Report

Lab Reporting Batch ID: 506868 **Laboratory: Enthalpy Orange**

EDD Filename: 506868 **eQAPP Name:**

Method: 6010B
Matrix: WIPE

Analyte	*Concentration (ug/ft2)*		*Sample RPD*	*eQAPP RPD*	*Flag*
	AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-	AFRAME-C14E-LAT-L3-EXT-0 TO 1-240422-			
LEAD	110	130	17	100.00	No Qualifiers Applied

Project Name and Number: 20-10491 - Hangar 1 NTCRA

Method: Metals

Analyte	Concentration (ug/ft2)		RPD (≤ 100)	Qualifiers (Parents Only)
	5	6		
Lead	110	130	17	

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

An intial calibration verification (ICV), continuing calibration verification (CCV), low level calibration check (LLCC), and interference check sample (ICSAB) percent recovery (%R) was recalculated for each type of analysis using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis

True = concentration of each analyte in the source

Standard ID	Type of Analysis	Element	Found (ug/L)	True (ug/L)	Recalculated %R	Reported %R	Acceptable (Y/N)
ICV	ICP	Pb	1.018	1.00	102	102	Y
CCV	ICP	↓	1.017	1.00	102	102	Y
LLCC	ICP	↓					
ICSAB	ICP	↓	1.003	1.00	100	100	Y
ICV	ICP-MS						
CCV	ICP-MS						
LLCC	ICP-MS						
ICSAB	ICP-MS						
ICV	CVAA						
CCV	CVAA						

ICP-MS Tune	QC Parameter	Mass	Actual	Required
	Mass Axis			± 0.1 amu
	%RSD			≤ 5%

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Percent recoveries (%R) for the laboratory control sample (LCS), matrix spike (MS), and post digestion spike (PDS) were recalculated using the following formula:

%R = (Found/True) x 100

Found = concentration of each analyte measured in the analysis. For the MS calculation, Found = SSR (Spiked Sample Result) - SR (Sample Result)

True = concentration of each analyte in the source

The sample and duplicate relative percent difference (RPD) was recalculated using the following formula:

RPD = (Absolute value(S-D)x 200) / (S+D)

S = Original sample concentration

D = Duplicate sample concentration

The serial dilution percent difference (%D) was recalculated using the following formula.

%D = (Absolute value (I - SDR)) x 100 / (I)

I = Initial sample result

SDR = Serial dilution result (with a 5x dilution applied)

Sample ID	Type of Analysis	Element	Found/S/I	True/D/SDR	Recalculated %R/RPD/%D	Reported %R/RPD/%D	Acceptable (Y/N)
QC1147108	LCS	Pb	107.1	100	107	107	Y
NA	MS						
QC1147108, 09	Duplicate	Pb	107.1	109.7	2	2	Y
NA	PDS						
NA	Serial dilution						

METHOD: Trace Metals (EPA SW 846 Methods 6010/6020/7000)

Matrix: Wipe

Concentration = ((Result from raw data x Final Vol. x Dilution Factor) / (Area of Wipe Sample)) x Unit Conversions

Sample ID	Analyte	Raw Data (mg/L)	Dilution	Wipe Sample Area (ft^2)	Final Volume (unit)	Reported Result (mg/ft^2)	Recalcuated Result (mg/ft^2)	Acceptable (Y/N)
1	Pb	3.226	1	1	50	160	161	Y
2	↓	2.429	1	1	50	120	121	Y
3	↓	2.559	1	1	50	130	128	Y
4	↓	3.202	1	1	50	160	160	Y
5	↓	2.263	1	1	50	110	113	Y
6	↓	2.678	1	1	50	130	134	Y
7	↓	1.662	1	1	50	83	83	Y
8	↓	2.612	1	1	50	130	131	Y
9	↓	6.533	1	1.0276	50	320	318	Y
10	↓	2.807	1	1	50	140	140	Y
11	↓	0.671	1	1	50	34	34	Y